

Dixplexer Scan  
 File: H\_COP\_HIF\_SP30.xls  
 Author: R. Biggins



## Procedure Summary

### Objectives

The objective of this procedure is to carry out an investigation of diplexer by performing diplexer scans at a series of M1 frequencies (M1 values to use are pre-tabulated)

Based on procedure:  
 HifiEng\_diplexerscan\_M1\_COP (v7)

### Summary of Constraints

### Spacecraft Configuration

**Start of Procedure**

**End of Procedure**

At the end of this test, the standard LCU safety table should be uploaded again.

### Reference File(s)

**Input Command Sequences**

**Output Command Sequences**

HCHSP30X  
 HCHSP30Y

### Referenced Displays

**ANDs**      **GRDs**      **SLDs**  
 ZAZ9C999

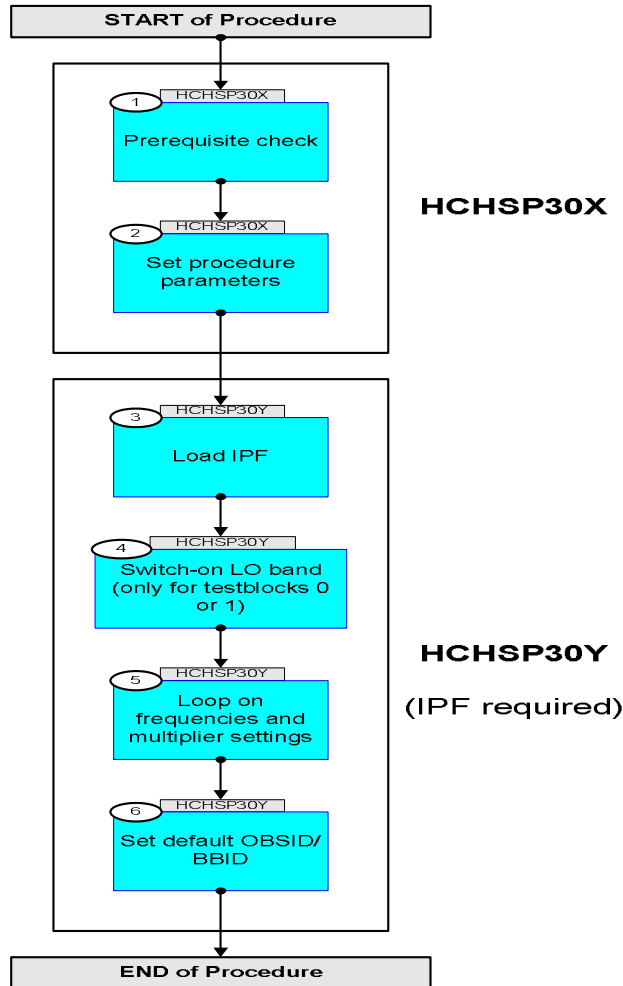
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
28/05/09		1	Created	R. Biggins	
01/06/09		2	- All ET times removed from commands - Some FP descriptions updated (due to MOIS import error)	R. Biggins	
10/06/09	2.5	3	Update to some FP descriptions (due to MOIS error)	R. Biggins	

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### Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>Beginning of Procedure</b>				
<p><i>TC Seq. Name :HCHSP30X (Dixplexer Scan)</i></p> <p><i>TimeTag Type: N</i>  <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p>				
1		<i>Prerequisite check</i>		Next Step: 2
1.1		<i>HSC/ICC input</i>		□
		Verify that the HSC has supplied a valid OBSID value:  <b>OBS_ID = 0xnnnn nnnn</b>		
		Verify: the following IPF file has been generated and can be called from the Manual Stack (where vvvv is the latest version number):  <b>HCHSP30Y_SPUR_3B0_vvvv.IPF</b>		
2		<i>Set procedure parameters</i>		Next Step: 3
	ET=+ UT=+00.00.00	<b>HIFI_Set_OBS_ID</b>  <b>HIFI_Set_OBS_ID</b>  <i>Command Parameter(s) :</i> <b>HIFI_BB_ID           HP001197</b> <b>HIFI_OBS_ID         HP000197</b>  <i>TC Control Flags :</i> <b>GBM IL DSE</b> <b>--Y -- ---</b>  <i>Subsch. ID : 70</i> <i>Det. descr. : Set Observation-ID and Building-Block-ID</i>	<b>HC014289</b>  <b>17700001 &lt;hex&gt;</b> <b>OBS_ID</b>	
		Verify Telemetry <b>BB_ID_per_hk           HM004190</b>	<b>= 17700001 &lt;hex&gt;</b>	AND=ZAZ9C999
		Verify Telemetry <b>OBS_ID_per_hk         HM003190</b>	<b>OBS_ID</b>	AND=ZAZ9C999

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch																					
	ET=+ UT=+00.00.00	<p>HIFI_Housekeeping_on</p> <p style="text-align: center;"><b>HIFI_Housekeeping_on</b></p> <p>Command Parameter(s) :</p> <table border="0"> <tr> <td>HIF_HK_rate</td> <td>HP012197</td> <td>1_pkt_per_s</td> </tr> <tr> <td>HIF_FCU_S</td> <td>HP006197</td> <td>ON (Def)</td> </tr> <tr> <td>HIF_LCU_S</td> <td>HP007197</td> <td>ON (Def)</td> </tr> <tr> <td>HIF_WBSV_S</td> <td>HP009197</td> <td>ON (Def)</td> </tr> <tr> <td>HIF_WBSH_S</td> <td>HP008197</td> <td>ON (Def)</td> </tr> <tr> <td>HIF_HRSV_S</td> <td>HP011197</td> <td>ON (Def)</td> </tr> <tr> <td>HIF_HRSH_S</td> <td>HP010197</td> <td>ON (Def)</td> </tr> </table> <p>TC Control Flags :</p> <p style="text-align: center;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 70            Det. descr. : Sets periodic housekeeping packet generation period</p>	HIF_HK_rate	HP012197	1_pkt_per_s	HIF_FCU_S	HP006197	ON (Def)	HIF_LCU_S	HP007197	ON (Def)	HIF_WBSV_S	HP009197	ON (Def)	HIF_WBSH_S	HP008197	ON (Def)	HIF_HRSV_S	HP011197	ON (Def)	HIF_HRSH_S	HP010197	ON (Def)	HC016289	
HIF_HK_rate	HP012197	1_pkt_per_s																							
HIF_FCU_S	HP006197	ON (Def)																							
HIF_LCU_S	HP007197	ON (Def)																							
HIF_WBSV_S	HP009197	ON (Def)																							
HIF_WBSH_S	HP008197	ON (Def)																							
HIF_HRSV_S	HP011197	ON (Def)																							
HIF_HRSH_S	HP010197	ON (Def)																							
		<p>Verify: The following <b>TM(3,25)</b> packets should be produced once every second:</p> <p><b>HIFI_essential_HK</b> (APID 1024)  <b>HIFI_HK_rev_7</b> (APID 1026)</p>																							
<p>TC Seq. Name :HCHSP30Y (Dixplexer Scan)</p> <p>TimeTag Type: N            Sub Schedule ID:  <input type="checkbox"/></p>																									
3		Load IPF		Next Step: 4																					
		<p>Load the following IPF (TPF) file into the Manual Stack (where vvvv is the latest version number):</p> <p><b>HCHSP30Y_SPUR_3B0_vvvv.IPF</b></p>																							
4		Switch-on LO band (only for testblocks 0 or 1)		Next Step: 5																					
	ET=+ UT=+00.00.01	<p>HIFI_HL_Normal</p> <p style="text-align: center;"><b>HIFI_HL_Normal</b></p> <p>Command Parameter(s) :</p> <table border="0"> <tr> <td>HIFI_BB_ID</td> <td>HP001197</td> <td>237633537 &lt;dec&gt;</td> </tr> </table> <p>TC Control Flags :</p> <p style="text-align: center;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 70            Det. descr. : Send single command to switch LCU to normal mode</p>	HIFI_BB_ID	HP001197	237633537 <dec>	HC082289																			
HIFI_BB_ID	HP001197	237633537 <dec>																							

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_Conf_safe_LCU_ch3b  HIFI_Conf_safe_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID           HP001197 HL_freq_nx           HP436194 HL_LSU_main           HP438194 HL_LSU_offset        HP439194 HL_D2_step            HP437194 HL_Drain2_3B_V       HP338194 HL_Curlim2            HP291194 HL_macro_checksum    HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b to safe setting	HC055289  260702209 <dec> 4 <dec> 4062327800 <dec> 4063377893 <dec> 2 <dec> 1.47 V 1.4 1 <dec>	
	ET=+ UT=+00.00.20	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_HL_heater  HIFI_HL_heater  Command Parameter(s) : HIFI_BB_ID           HP001197 HL_heater             HP397194  Subsch. ID : 70 Det. descr. : Send single command to control the LCU heater	HC086289  236912641 <dec> 2 V	
		Verify Telemetry  HL_Channel_S            HM003194	= 3b	AND=ZAZ9C999
5		Loop on frequencies and multiplier settings		Next Step: 6
	ET=+ UT=+00.10.00	HIFI_Configure_FCU_Power  HIFI_Configure_FCU_Power  Command Parameter(s) : HIFI_BB_ID           HP001197 HF_CPR_Mixer_H_S     HP203191 HF_CPR_Mixer_V_S     HP204191 HF_CPR_Chopper_S    HP205191 HF_CPR_UCH_S        HP206191 HF_CPR_UCV_S        HP207191  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 70  Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289  209715201 <dec> ON (Def) ON (Def) ON (Def) ON (Def) ON (Def)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  HIFI_P_Configure_FCU  Command Parameter(s) :	HC182289	
		HIFI_BB_ID HP001197 209715201 <dec> HF_CPR_MXBAND HP202191 3 <dec> HF_CH1_DPFP1 HP176191 227 <dec> (Def) HF_CH2_FIF1_Drain_V HP177191 0.75 V HF_CH2_FIF1_Drain_C HP178191 4 mA HF_CH2_FIF2_Drain_V HP179191 0.65 V HF_CH2_FIF2_Drain_C HP180191 3 mA HF_CH2_SIF1_Drain_V HP181191 0.82 V HF_CH2_SIF1_Drain_C HP182191 2.5 mA HF_CH2_SIF2_Drain_V HP183191 0.8 V HF_CH2_SIF2_Drain_C HP184191 1.9 mA  HF_CH2_SIF3_Drain_V HP185191 0.65 V HF_CH2_SIF3_Drain_C HP186191 3 mA HF_CV1_DPFP1 HP191191 227 <dec> (Def) HF_CV2_FIF1_Drain_V HP192191 0.75 V HF_CV2_FIF1_Drain_C HP193191 4 mA HF_CV2_FIF2_Drain_V HP194191 0.65 V HF_CV2_FIF2_Drain_C HP195191 3 mA HF_CV2_SIF1_Drain_V HP196191 0.77 V HF_CV2_SIF1_Drain_C HP197191 3 mA HF_CV2_SIF2_Drain_V HP198191 0.9 V HF_CV2_SIF2_Drain_C HP199191 1.55 mA HF_CV2_SIF3_Drain_V HP200191 0.75 V HF_CV2_SIF3_Drain_C HP201191 2.5 mA HF_CPR_CH_SINE_S HP211191 ON (Def) HF_CPR_CH_LOOP_S HP210191 CLOSE (Def)		
		HF_CPR_CHFP1 HP212191 17 <dec> HF_CPR_CHFP2 HP213191 201 <dec> HF_CPR_CHFPZ1 HP214191 1010 <dec> HF_CPR_CHFPZ2 HP215191 885 <dec> HF_CPR_CHFPZ2 HP216191 149 <dec> HF_CPR_Cal_Heater_C HP217191 1.1 mA HF_CH1_MXBIAS_V HP172191 2.30555555555555 HF_CH1_MX_MG_C HP173191 mV HF_CV1_MXBIAS_V HP187191 15 mA HF_CV1_MX_MG_C HP188191 2.30555555555555 HF_P_Chopper_Rot HP454191 mV HF_CH1_DFACT_C HP174191 15 mA HF_CV1_DFACT_C HP189191 -1.07 V - Subsch. ID : 70 0.602893221194278 mA 0.227470361648446 mA		
		Det. descr. : Configure the FCU-subsystem (prime)		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C  HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_MX_MG_C              HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715201 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C  HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_MX_MG_C              HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715201 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747649 <dec> - 0.602893221194278 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747649 <dec> 0.227470361648446 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097729 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b <p style="text-align: center;">HIFI_Conf_nom_LCU_ch3b</p> Command Parameter(s) : HIFI_BB_ID            HP001197 HL_freq_nx            HP436194 HL_LSU_main            HP438194 HL_LSU_offset        HP439194 HL_D2_step            HP437194 HL_PL_3B_C            HP331194 HL_M1_3B_V            HP332194 HL_M2_3B_V            HP333194 HL_M3_3B_V            HP334194 HL_Gate1_3B_V        HP335194 HL_Gate2_3B_V        HP336194  HL_Drain1_3B_V        HP337194 HL_Curлим1            HP290194 HL_Drain2_3B_V        HP338194 HL_Curлим2            HP291194 HL_macro_checksum    HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289                              257097729 <dec> 16 <dec> 4062276857 <dec> 4063377895 <dec> 2 <dec> 0.0 A (Def) 1 2 3 4 5              6 7 8 9 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk <p style="text-align: center;">HIFI_LCU_all_tuning_hk</p> Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C <p style="text-align: center;">HIFI_CH1_DPACT_C</p> Command Parameter(s) : HIFI_BB_ID            HP001197 HF_CH1_DPACT_C        HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289                              213254145 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C <p style="text-align: center;">HIFI_CV1_DPACT_C</p> Command Parameter(s) : HIFI_BB_ID            HP001197 HF_CV1_DPACT_C        HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289                              213254145 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254145 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254146 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254146 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254146 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747650 <dec> - 0.602893221194278 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747650 <dec> 0.227470361648446 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097730 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HL_freq_nx          HP436194 HL_LSU_main          HP438194 HL_LSU_offset       HP439194 HL_D2_step          HP437194 HL_PL_3B_C          HP331194 HL_M1_3B_V          HP332194 HL_M2_3B_V          HP333194 HL_M3_3B_V          HP334194 HL_Gate1_3B_V       HP335194 HL_Gate2_3B_V       HP336194  HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097730 <dec> 16 <dec> 4062276857 <dec> 4063377895 <dec> 2 <dec> 0.0 A (Def) 10 11 12 13 14  15 16 17 18 1 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254147 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254147 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254147 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254148 <dec> 2.24 mA	

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	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254148 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C              HP175191 HF_CV1_DPACT0_C              HP190191 HIF_dpact_step_C              HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254148 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747651 <dec> - 0.602893221194278 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747651 <dec> 0.227470361648446 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097731 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID HP001197 HL_freq_nx HP436194 HL_LSU_main HP438194 HL_LSU_offset HP439194 HL_D2_step HP437194 HL_PL_3B_C HP331194 HL_M1_3B_V HP332194 HL_M2_3B_V HP333194 HL_M3_3B_V HP334194 HL_Gate1_3B_V HP335194 HL_Gate2_3B_V HP336194  HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097731 <dec> 16 <dec> 4062276857 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 19 V 20 V 21 V 22 V 23 V  24 v 25 26 v 27 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254149 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254149 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254149 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254150 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254150 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254150 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747652 <dec> - 0.6028932221194278 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747652 <dec> 0.227470361648446 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097732 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HL_freq_nx          HP436194 HL_LSU_main          HP438194 HL_LSU_offset      HP439194 HL_D2_step          HP437194 HL_PL_3B_C          HP331194 HL_M1_3B_V          HP332194 HL_M2_3B_V          HP333194 HL_M3_3B_V          HP334194 HL_Gate1_3B_V      HP335194 HL_Gate2_3B_V      HP336194  HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097732 <dec> 16 <dec> 4062276857 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 28 V 29 V 30 V 31 V 32 V  33 v 34 35 v 36 1 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254151 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254151 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254151 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254152 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254152 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C              HP175191 HF_CV1_DPACT0_C              HP190191 HIF_dpact_step_C              HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254152 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747653 <dec> - 0.602893221194278 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747653 <dec> 0.227470361648446 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097733 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID HP001197 HL_freq_nx HP436194 HL_LSU_main HP438194 HL_LSU_offset HP439194 HL_D2_step HP437194 HL_PL_3B_C HP331194 HL_M1_3B_V HP332194 HL_M2_3B_V HP333194 HL_M3_3B_V HP334194 HL_Gate1_3B_V HP335194 HL_Gate2_3B_V HP336194  HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097733 <dec> 16 <dec> 4062276857 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 37 V 38 V 39 V 40 V 41 V  42 V 43 44 V 45 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254153 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254153 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                 HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254153 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C             HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254154 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C             HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254154 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                 HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254154 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747654 <dec> - 0.602893221194278 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747654 <dec> 0.227470361648446 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097734 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HL_freq_nx          HP436194 HL_LSU_main          HP438194 HL_LSU_offset       HP439194 HL_D2_step          HP437194 HL_PL_3B_C          HP331194 HL_M1_3B_V          HP332194 HL_M2_3B_V          HP333194 HL_M3_3B_V          HP334194 HL_Gate1_3B_V       HP335194 HL_Gate2_3B_V       HP336194  HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097734 <dec> 16 <dec> 4062276857 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 46 V 47 V 48 V 49 V 50 V  51 v 52 53 v 54 1 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254155 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254155 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254155 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254156 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254156 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C              HP175191 HF_CV1_DPACT0_C              HP190191 HIF_dpact_step_C              HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254156 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747655 <dec> - 0.602893221194278 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747655 <dec> 0.227470361648446 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097735 <dec>	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254157 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254158 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254158 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254158 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  HIFI_Configure_FCU_Power  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CPR_Mixer_H_S HP203191 HF_CPR_Mixer_V_S HP204191 HF_CPR_Chopper_S HP205191 HF_CPR_UCH_S HP206191 HF_CPR_UCV_S HP207191  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289   209715202 <dec> ON (Def) ON (Def) ON (Def) ON (Def) ON (Def) ON (Def)	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  HIFI_P_Configure_FCU  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CPR_MXBAND HP202191 HF_CH1_DPFPF1 HP176191 HF_CH2_FIF1_Drain_V HP177191 HF_CH2_FIF1_Drain_C HP178191 HF_CH2_FIF2_Drain_V HP179191 HF_CH2_FIF2_Drain_C HP180191 HF_CH2_SIF1_Drain_V HP181191 HF_CH2_SIF1_Drain_C HP182191 HF_CH2_SIF2_Drain_V HP183191 HF_CH2_SIF2_Drain_C HP184191  HF_CH2_SIF3_Drain_V HP185191 HF_CH2_SIF3_Drain_C HP186191 HF_CV1_DPFPF1 HP191191 HF_CV2_FIF1_Drain_V HP192191 HF_CV2_FIF1_Drain_C HP193191 HF_CV2_FIF2_Drain_V HP194191 HF_CV2_FIF2_Drain_C HP195191 HF_CV2_SIF1_Drain_V HP196191 HF_CV2_SIF1_Drain_C HP197191 HF_CV2_SIF2_Drain_V HP198191 HF_CV2_SIF2_Drain_C HP199191 HF_CV2_SIF3_Drain_V HP200191 HF_CV2_SIF3_Drain_C HP201191 HF_CPR_CH_SINE_S HP211191 HF_CPR_CH_LOOP_S HP210191	HC182289   209715202 <dec> 3 <dec> 227 <dec> (Def) 0.75 V 4 mA 0.65 V 3 mA 0.82 V 2.5 mA 0.8 V 1.9 mA  0.65 V 3 mA 227 <dec> (Def) 0.75 V 4 mA 0.65 V 3 mA 0.77 V 3 mA 0.9 V 1.55 mA 0.75 V 2.5 mA ON (Def) CLOSE (Def)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.31388888888888 mV 15 mA 2.31388888888888 mV 15 mA -1.07 V - 0.815130395290156 mA 3.67554751892373E 02 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HIFI_CH1_MX_MG_C  HC096289  209715202 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HIFI_CV1_MX_MG_C  HC099289  209715202 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HIFI_CH1_DPACT_C  HC097289  238747656 <dec> - 0.815130395290156 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289   238747656 <dec> 3.67554751892373E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289   257097736 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                 HP332194 HL_M2_3B_V                 HP333194 HL_M3_3B_V                 HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194   HL_Drain1_3B_V             HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V             HP338194 HL_Curlim2                  HP291194 HL_macro_checksum          HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289   257097736 <dec> 16 <dec> 4062276592 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 64 V 65 V 66 V 67 V 68 V   69 v 70 71 v 72 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254159 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254159 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254159 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254160 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254160 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254160 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747657 <dec> - 0.815130395290156 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747657 <dec> 3.67554751892373E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097737 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097737 <dec> 16 <dec> 4062276592 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 73 V 74 V 75 V 76 V 77 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254162 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254162 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254162 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747658 <dec> - 0.815130395290156 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747658 <dec> 3.67554751892373E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097738 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097738 <dec> 16 <dec> 4062276592 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 82 V 83 V 84 V 85 V 86 V  87 v 88 89 v 90 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254163 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254163 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254163 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254164 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254164 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254164 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747659 <dec> - 0.815130395290156 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747659 <dec> 3.67554751892373E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097739 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097739 <dec> 16 <dec> 4062276592 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 91 V 92 V 93 V 94 V 95 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V            HP337194 HL_Curlim1            HP290194 HL_Drain2_3B_V            HP338194 HL_Curlim2            HP291194 HL_macro_checksum        HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	96 v 97 98 v 99 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID            HP001197 HF_CH1_DPACT_C        HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HIFI_CH1_DPACT_C  HC097289  213254165 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID            HP001197 HF_CV1_DPACT_C        HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HIFI_CV1_DPACT_C  HC100289  213254165 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID            HP001197 HIF_Nsteps            HP054197 HIF_step_time        HP055197 HF_CH1_DPACT0_C        HP175191 HF_CV1_DPACT0_C        HP190191 HIF_dpact_step_C        HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HIFI_scan_diplexer  HC106289  213254165 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254166 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254166 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254166 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747660 <dec> - 0.815130395290156 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747660 <dec> 3.67554751892373E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097740 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097740 <dec> 16 <dec> 4062276592 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 100 V 101 V 102 V 103 V 104 V  105 V 106 107 V 108 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254167 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254167 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254167 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254168 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254168 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                 HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254168 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747661 <dec> - 0.815130395290156 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747661 <dec> 3.67554751892373E- 02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097741 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097741 <dec> 16 <dec> 4062276592 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 109 V 110 V 111 V 112 V 113 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V           HP337194 HL_Curlim1           HP290194 HL_Drain2_3B_V           HP338194 HL_Curlim2           HP291194 HL_macro_checksum       HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	114 v 115 116 v 117 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk                   HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C                                   HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID           HP001197 HF_CH1_DPACT_C       HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254169 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C                                   HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID           HP001197 HF_CV1_DPACT_C       HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254169 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer                                   HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID           HP001197 HIF_Nsteps           HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C    HP175191 HF_CV1_DPACT0_C    HP190191 HIF_dpact_step_C    HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254169 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254170 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254170 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254170 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747662 <dec> - 0.815130395290156 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747662 <dec> 3.67554751892373E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097742 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097742 <dec> 16 <dec> 4062276592 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 118 V 119 V 120 V 121 V 122 V  123 V 124 125 V 126 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254171 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254171 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254171 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254172 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254172 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254172 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715203 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715203 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                  HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V            HP177191          0.75 V HF_CH2_FIF1_Drain_C            HP178191          4 mA HF_CH2_FIF2_Drain_V            HP179191          0.65 V HF_CH2_FIF2_Drain_C            HP180191          3 mA HF_CH2_SIF1_Drain_V            HP181191          0.82 V HF_CH2_SIF1_Drain_C            HP182191          2.5 mA HF_CH2_SIF2_Drain_V            HP183191          0.8 V HF_CH2_SIF2_Drain_C            HP184191          1.9 mA  HF_CH2_SIF3_Drain_V            HP185191          0.65 V HF_CH2_SIF3_Drain_C            HP186191          3 mA HF_CV1_DPFPF1                  HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V            HP192191          0.75 V HF_CV2_FIF1_Drain_C            HP193191          4 mA HF_CV2_FIF2_Drain_V            HP194191          0.65 V HF_CV2_FIF2_Drain_C            HP195191          3 mA HF_CV2_SIF1_Drain_V            HP196191          0.77 V HF_CV2_SIF1_Drain_C            HP197191          3 mA HF_CV2_SIF2_Drain_V            HP198191          0.9 V HF_CV2_SIF2_Drain_C            HP199191          1.55 mA HF_CV2_SIF3_Drain_V            HP200191          0.75 V HF_CV2_SIF3_Drain_C            HP201191          2.5 mA HF_CPR_CH_SINE_S               HP211191          ON (Def) HF_CPR_CH_LOOP_S               HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70          Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.32222222222222 mV 15 mA 2.32222222222222 mV 15 mA -1.07 V 0.713296821793415 mA - 0.151817389330307 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C  HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289   209715203 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C  HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289   209715203 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289   238747663 <dec> 0.713296821793415 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747663 <dec> - 0.151817389330307 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097743 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HL_freq_nx          HP436194 HL_LSU_main          HP438194 HL_LSU_offset       HP439194 HL_D2_step          HP437194 HL_PL_3B_C          HP331194 HL_M1_3B_V          HP332194 HL_M2_3B_V          HP333194 HL_M3_3B_V          HP334194 HL_Gate1_3B_V       HP335194 HL_Gate2_3B_V       HP336194  HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097743 <dec> 17 <dec> 4062275573 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 127 V 128 V 129 V 130 V 131 V  132 V 133 134 V 135 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254173 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254173 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254173 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254174 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254174 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254174 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747664 <dec> 0.713296821793415 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747664 <dec> - 0.151817389330307 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097744 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097744 <dec> 17 <dec> 4062275573 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 136 V 137 V 138 V 139 V 140 V	





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254176 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254176 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254176 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747665 <dec> 0.713296821793415 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747665 <dec> - 0.151817389330307 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097745 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097745 <dec> 17 <dec> 4062275573 <dec> 4063377640 <dec> 2 <dec> 0.0 A (Def) 145 146 147 148 149  150 151 152 153 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254177 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254177 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C              HP175191 HF_CV1_DPACT0_C              HP190191 HIF_dpact_step_C              HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254177 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254178 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254178 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254178 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747666 <dec> 0.713296821793415 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747666 <dec> - 0.151817389330307 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097746 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097746 <dec> 17 <dec> 4062275573 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 154 V 155 V 156 V 157 V 158 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	159 v 160 161 v 162 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254179 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254179 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254179 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254180 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254180 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254180 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747667 <dec> 0.713296821793415 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747667 <dec> - 0.151817389330307 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097747 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  257097747 <dec> HL_freq_nx                  HP436194                  17 <dec> HL_LSU_main                  HP438194                  4062275573 <dec> HL_LSU_offset                  HP439194                  4063377640 <dec> HL_D2_step                  HP437194                  2 <dec> HL_PL_3B_C                  HP331194                  0 A (Def) HL_M1_3B_V                  HP332194                  163 V HL_M2_3B_V                  HP333194                  164 V HL_M3_3B_V                  HP334194                  165 V HL_Gate1_3B_V                  HP335194                  166 V HL_Gate2_3B_V                  HP336194                  167 V  HL_Drain1_3B_V                  HP337194                  168 V HL_Curlim1                  HP290194                  169 HL_Drain2_3B_V                  HP338194                  170 V HL_Curlim2                  HP291194                  171 HL_macro_checksum                  HP440194                  1 <dec>  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097747 <dec> 17 <dec> 4062275573 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 163 V 164 V 165 V 166 V 167 V  168 V 169 170 V 171 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  213254181 <dec> HF_CH1_DPACT_C                  HP174191                  2.24 mA  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254181 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254181 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254181 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254182 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254182 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254182 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747668 <dec> 0.713296821793415 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747668 <dec> - 0.151817389330307 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097748 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097748 <dec> 17 <dec> 4062275573 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 172 V 173 V 174 V 175 V 176 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254184 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254184 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time               HP055197 HF_CH1_DPACT0_C             HP175191 HF_CV1_DPACT0_C             HP190191 HIF_dpact_step_C            HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254184 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747669 <dec> 0.713296821793415 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747669 <dec> - 0.151817389330307 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097749 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID HP001197 HL_freq_nx HP436194 HL_LSU_main HP438194 HL_LSU_offset HP439194 HL_D2_step HP437194 HL_PL_3B_C HP331194 HL_M1_3B_V HP332194 HL_M2_3B_V HP333194 HL_M3_3B_V HP334194 HL_Gate1_3B_V HP335194 HL_Gate2_3B_V HP336194  HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097749 <dec> 17 <dec> 4062275573 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 181 V 182 V 183 V 184 V 185 V  186 V 187 188 V 189 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254185 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254185 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254185 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254186 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254186 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254186 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time               HP055197          0.1 s HF_CH1_DPACT0_C             HP175191          2.24 mA HF_CV1_DPACT0_C             HP190191          2.24 mA HIF_dpact_step_C             HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715204 <dec> HF_CPR_Mixer_H_S             HP203191          ON (Def) HF_CPR_Mixer_V_S             HP204191          ON (Def) HF_CPR_Chopper_S             HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715204 <dec> HF_CPR_MX BAND               HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V          HP177191          0.75 V HF_CH2_FIF1_Drain_C          HP178191          4 mA HF_CH2_FIF2_Drain_V          HP179191          0.65 V HF_CH2_FIF2_Drain_C          HP180191          3 mA HF_CH2_SIF1_Drain_V          HP181191          0.82 V HF_CH2_SIF1_Drain_C          HP182191          2.5 mA HF_CH2_SIF2_Drain_V          HP183191          0.8 V HF_CH2_SIF2_Drain_C          HP184191          1.9 mA  HF_CH2_SIF3_Drain_V          HP185191          0.65 V HF_CH2_SIF3_Drain_C          HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V          HP192191          0.75 V HF_CV2_FIF1_Drain_C          HP193191          4 mA HF_CV2_FIF2_Drain_V          HP194191          0.65 V HF_CV2_FIF2_Drain_C          HP195191          3 mA HF_CV2_SIF1_Drain_V          HP196191          0.77 V HF_CV2_SIF1_Drain_C          HP197191          3 mA HF_CV2_SIF2_Drain_V          HP198191          0.9 V HF_CV2_SIF2_Drain_C          HP199191          1.55 mA HF_CV2_SIF3_Drain_V          HP200191          0.75 V HF_CV2_SIF3_Drain_C          HP201191          2.5 mA HF_CPR_CH_SINE_S              HP211191          ON (Def) HF_CPR_CH_LOOP_S              HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70          Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.33055555555555 mV 15 mA 2.33055555555555 mV 15 mA -1.07 V 0.492127695800228 mA - 0.332285607264471 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C  HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289   209715204 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C  HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289   209715204 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289   238747670 <dec> 0.492127695800228 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747670 <dec> - 0.332285607264471 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097750 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194  HL_Drain1_3B_V             HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V             HP338194 HL_Curlim2                  HP291194 HL_macro_checksum          HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097750 <dec> 17 <dec> 4062275063 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 190 V 191 V 192 V 193 V 194 V  195 V 196 197 V 198 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254187 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254187 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254187 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254188 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254188 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                 HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254188 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C             HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747671 <dec> 0.492127695800228 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C             HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747671 <dec> - 0.332285607264471 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097751 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097751 <dec> 17 <dec> 4062275063 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 199 V 200 V 201 V 202 V 203 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	204 v 205 206 v 207 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HCI93289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HIFI_CH1_DPACT_C  HC097289  213254189 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HIFI_CV1_DPACT_C  HC100289  213254189 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HIFI_scan_diplexer  HC106289  213254189 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254190 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254190 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254190 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747672 <dec> 0.492127695800228 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747672 <dec> - 0.332285607264471 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097752 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097752 <dec> 17 <dec> 4062275063 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 208 V 209 V 210 V 211 V 212 V  213 V 214 215 V 216 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254191 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254191 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254191 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254192 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254192 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254192 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747673 <dec> 0.492127695800228 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747673 <dec> - 0.332285607264471 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097753 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097753 <dec> 17 <dec> 4062275063 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 217 V 218 V 219 V 220 V 221 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	222 V 223 224 V 225 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289   213254193 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289   213254193 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289   213254193 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254194 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254194 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254194 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747674 <dec> 0.492127695800228 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747674 <dec> - 0.332285607264471 mA	

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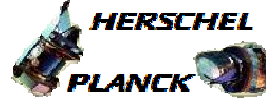
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097754 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097754 <dec> 17 <dec> 4062275063 <dec> 4063377890 <dec> 2 <dec> 0.0 A (Def) 226 227 228 229 230  231 232 233 234 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254195 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254195 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254195 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254196 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254196 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254196 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747675 <dec> 0.492127695800228 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747675 <dec> - 0.332285607264471 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097755 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097755 <dec> 17 <dec> 4062275063 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 235 V 236 V 237 V 238 V 239 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	240 V 241 242 V 243 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254197 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254197 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254197 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254198 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254198 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254198 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747676 <dec> 0.492127695800228 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747676 <dec> - 0.332285607264471 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097756 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097756 <dec> 17 <dec> 4062275063 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 244 V 245 V 246 V 247 V 248 V  249 V 250 251 V 252 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254199 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254199 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254199 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254200 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254200 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254200 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715205 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715205 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                  HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V            HP177191          0.75 V HF_CH2_FIF1_Drain_C            HP178191          4 mA HF_CH2_FIF2_Drain_V            HP179191          0.65 V HF_CH2_FIF2_Drain_C            HP180191          3 mA HF_CH2_SIF1_Drain_V            HP181191          0.82 V HF_CH2_SIF1_Drain_C            HP182191          2.5 mA HF_CH2_SIF2_Drain_V            HP183191          0.8 V HF_CH2_SIF2_Drain_C            HP184191          1.9 mA  HF_CH2_SIF3_Drain_V            HP185191          0.65 V HF_CH2_SIF3_Drain_C            HP186191          3 mA HF_CV1_DPFPF1                  HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V            HP192191          0.75 V HF_CV2_FIF1_Drain_C            HP193191          4 mA HF_CV2_FIF2_Drain_V            HP194191          0.65 V HF_CV2_FIF2_Drain_C            HP195191          3 mA HF_CV2_SIF1_Drain_V            HP196191          0.77 V HF_CV2_SIF1_Drain_C            HP197191          3 mA HF_CV2_SIF2_Drain_V            HP198191          0.9 V HF_CV2_SIF2_Drain_C            HP199191          1.55 mA HF_CV2_SIF3_Drain_V            HP200191          0.75 V HF_CV2_SIF3_Drain_C            HP201191          2.5 mA HF_CPR_CH_SINE_S               HP211191          ON (Def) HF_CPR_CH_LOOP_S               HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70          Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.33888888888888 mV 15 mA 2.33888888888888 mV 15 mA -1.07 V 0.270958569807041 mA - 0.512753825198634 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C  HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289   209715205 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C  HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289   209715205 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289   238747677 <dec> 0.270958569807041 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747677 <dec> - 0.512753825198634 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097757 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                 HP332194 HL_M2_3B_V                 HP333194 HL_M3_3B_V                 HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194  HL_Drain1_3B_V             HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V             HP338194 HL_Curlim2                  HP291194 HL_macro_checksum          HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097757 <dec> 18 <dec> 4062274552 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 253 V 254 V 255 V 256 V 257 V  258 v 259 260 v 261 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254201 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254201 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254201 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254202 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254202 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254202 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747678 <dec> 0.270958569807041 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747678 <dec> - 0.512753825198634 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097758 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097758 <dec> 18 <dec> 4062274552 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 262 V 263 V 264 V 265 V 266 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	267 v 268 269 v 270 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254203 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254203 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254203 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254204 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254204 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254204 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747679 <dec> 0.270958569807041 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747679 <dec> - 0.512753825198634 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097759 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097759 <dec> 18 <dec> 4062274552 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 271 V 272 V 273 V 274 V 275 V  276 V 277 278 V 279 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254205 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254205 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C              HP175191 HF_CV1_DPACT0_C              HP190191 HIF_dpact_step_C              HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254205 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254206 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254206 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289   213254206 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289   238747680 <dec> 0.270958569807041 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289   238747680 <dec> - 0.512753825198634 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289   257097760 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289   257097760 <dec> 18 <dec> 4062274552 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 280 V 281 V 282 V 283 V 284 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	285 v 286 287 v 288 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254207 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254207 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254207 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254208 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254208 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254208 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747681 <dec> 0.270958569807041 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747681 <dec> - 0.512753825198634 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097761 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097761 <dec> 18 <dec> 4062274552 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 289 V 290 V 291 V 292 V 293 V  294 V 295 296 V 297 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254209 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254209 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254209 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254210 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254210 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254210 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747682 <dec> 0.270958569807041 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747682 <dec> - 0.512753825198634 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097762 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097762 <dec> 18 <dec> 4062274552 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 298 V 299 V 300 V 301 V 302 V	





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254212 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254212 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254212 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747683 <dec> 0.270958569807041 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747683 <dec> - 0.512753825198634 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097763 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  257097763 <dec> HL_freq_nx                  HP436194                  18 <dec> HL_LSU_main                  HP438194                  4062274552 <dec> HL_LSU_offset                  HP439194                  4063377893 <dec> HL_D2_step                  HP437194                  2 <dec> HL_PL_3B_C                  HP331194                  0 A (Def) HL_M1_3B_V                  HP332194                  307 V HL_M2_3B_V                  HP333194                  308 V HL_M3_3B_V                  HP334194                  309 V HL_Gate1_3B_V                  HP335194                  310 V HL_Gate2_3B_V                  HP336194                  311 V  HL_Drain1_3B_V                  HP337194                  312 V HL_Curlim1                  HP290194                  313 HL_Drain2_3B_V                  HP338194                  314 V HL_Curlim2                  HP291194                  315 HL_macro_checksum                  HP440194                  1 <dec>  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097763 <dec> 18 <dec> 4062274552 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 307 V 308 V 309 V 310 V 311 V  312 V 313 314 V 315 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  213254213 <dec> HF_CH1_DPACT_C                  HP174191                  2.24 mA  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254213 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254213 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C              HP175191 HF_CV1_DPACT0_C              HP190191 HIF_dpact_step_C              HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254213 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254214 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254214 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254214 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C             HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715206 <dec> HF_CPR_Mixer_H_S             HP203191          ON (Def) HF_CPR_Mixer_V_S             HP204191          ON (Def) HF_CPR_Chopper_S             HP205191          ON (Def) HF_CPR_UCH_S                 HP206191          ON (Def) HF_CPR_UCV_S                 HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715206 <dec> HF_CPR_MX BAND               HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V          HP177191          0.75 V HF_CH2_FIF1_Drain_C          HP178191          4 mA HF_CH2_FIF2_Drain_V          HP179191          0.65 V HF_CH2_FIF2_Drain_C          HP180191          3 mA HF_CH2_SIF1_Drain_V          HP181191          0.82 V HF_CH2_SIF1_Drain_C          HP182191          2.5 mA HF_CH2_SIF2_Drain_V          HP183191          0.8 V HF_CH2_SIF2_Drain_C          HP184191          1.9 mA  HF_CH2_SIF3_Drain_V          HP185191          0.65 V HF_CH2_SIF3_Drain_C          HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V          HP192191          0.75 V HF_CV2_FIF1_Drain_C          HP193191          4 mA HF_CV2_FIF2_Drain_V          HP194191          0.65 V HF_CV2_FIF2_Drain_C          HP195191          3 mA HF_CV2_SIF1_Drain_V          HP196191          0.77 V HF_CV2_SIF1_Drain_C          HP197191          3 mA HF_CV2_SIF2_Drain_V          HP198191          0.9 V HF_CV2_SIF2_Drain_C          HP199191          1.55 mA HF_CV2_SIF3_Drain_V          HP200191          0.75 V HF_CV2_SIF3_Drain_C          HP201191          2.5 mA HF_CPR_CH_SINE_S              HP211191          ON (Def) HF_CPR_CH_LOOP_S              HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70          Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.34722222222222 mV 15 mA 2.34722222222222 mV 15 mA -1.07 V 4.97894438138539E- 02 mA - 0.693222043132798 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_MX_MG_C              HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HIFI_CH1_MX_MG_C  HC096289  209715206 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_MX_MG_C              HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HIFI_CV1_MX_MG_C  HC099289  209715206 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HIFI_CH1_DPACT_C  HC097289  238747684 <dec> 4.97894438138539E- 02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747684 <dec> - 0.693222043132798 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097764 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194  HL_Drain1_3B_V              HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V              HP338194 HL_Curlim2                  HP291194 HL_macro_checksum            HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097764 <dec> 18 <dec> 4062274041 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 316 V 317 V 318 V 319 V 320 V  321 v 322 323 v 324 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254215 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254215 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254215 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254216 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254216 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254216 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747685 <dec> 4.97894438138539E 02 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747685 <dec> - 0.693222043132798 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097765 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097765 <dec> 18 <dec> 4062274041 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 325 V 326 V 327 V 328 V 329 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254218 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254218 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254218 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747686 <dec> 4.97894438138539E-02 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747686 <dec> - 0.693222043132798 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097766 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  257097766 <dec> HL_freq_nx                  HP436194                  18 <dec> HL_LSU_main                  HP438194                  4062274041 <dec> HL_LSU_offset                  HP439194                  4063377896 <dec> HL_D2_step                  HP437194                  2 <dec> HL_PL_3B_C                  HP331194                  0 A (Def) HL_M1_3B_V                  HP332194                  334 V HL_M2_3B_V                  HP333194                  335 V HL_M3_3B_V                  HP334194                  336 V HL_Gate1_3B_V                  HP335194                  337 V HL_Gate2_3B_V                  HP336194                  338 V  HL_Drain1_3B_V                  HP337194                  339 V HL_Curlim1                  HP290194                  340 HL_Drain2_3B_V                  HP338194                  341 V HL_Curlim2                  HP291194                  342 HL_macro_checksum                  HP440194                  1 <dec>  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097766 <dec> 18 <dec> 4062274041 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 334 V 335 V 336 V 337 V 338 V  339 V 340 341 V 342 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  213254219 <dec> HF_CH1_DPACT_C                  HP174191                  2.24 mA  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254219 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254219 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254219 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254220 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254220 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254220 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747687 <dec> 4.97894438138539E 02 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747687 <dec> - 0.693222043132798 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097767 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097767 <dec> 18 <dec> 4062274041 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 343 V 344 V 345 V 346 V 347 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254222 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254222 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254222 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747688 <dec> 4.97894438138539E-02 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747688 <dec> - 0.693222043132798 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097768 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097768 <dec> 18 <dec> 4062274041 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 352 V 353 V 354 V 355 V 356 V  357 V 358 359 V 360 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254223 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254223 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254223 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254224 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254224 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254224 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747689 <dec> 4.97894438138539E 02 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747689 <dec> - 0.693222043132798 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097769 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097769 <dec> 18 <dec> 4062274041 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 361 V 362 V 363 V 364 V 365 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254226 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254226 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254226 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747690 <dec> 4.97894438138539E-02 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747690 <dec> - 0.693222043132798 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097770 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097770 <dec> 18 <dec> 4062274041 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 370 V 371 V 372 V 373 V 374 V  375 V 376 377 V 378 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254227 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254227 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254227 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254228 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254228 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254228 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time              HP055197          0.1 s HF_CH1_DPACT0_C             HP175191          2.24 mA HF_CV1_DPACT0_C             HP190191          2.24 mA HIF_dpact_step_C            HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715207 <dec> HF_CPR_Mixer_H_S             HP203191          ON (Def) HF_CPR_Mixer_V_S             HP204191          ON (Def) HF_CPR_Chopper_S             HP205191          ON (Def) HF_CPR_UCH_S                 HP206191          ON (Def) HF_CPR_UCV_S                 HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715207 <dec> HF_CPR_MX BAND               HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V          HP177191          0.75 V HF_CH2_FIF1_Drain_C          HP178191          4 mA HF_CH2_FIF2_Drain_V          HP179191          0.65 V HF_CH2_FIF2_Drain_C          HP180191          3 mA HF_CH2_SIF1_Drain_V          HP181191          0.82 V HF_CH2_SIF1_Drain_C          HP182191          2.5 mA HF_CH2_SIF2_Drain_V          HP183191          0.8 V HF_CH2_SIF2_Drain_C          HP184191          1.9 mA  HF_CH2_SIF3_Drain_V          HP185191          0.65 V HF_CH2_SIF3_Drain_C          HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V          HP192191          0.75 V HF_CV2_FIF1_Drain_C          HP193191          4 mA HF_CV2_FIF2_Drain_V          HP194191          0.65 V HF_CV2_FIF2_Drain_C          HP195191          3 mA HF_CV2_SIF1_Drain_V          HP196191          0.77 V HF_CV2_SIF1_Drain_C          HP197191          3 mA HF_CV2_SIF2_Drain_V          HP198191          0.9 V HF_CV2_SIF2_Drain_C          HP199191          1.55 mA HF_CV2_SIF3_Drain_V          HP200191          0.75 V HF_CV2_SIF3_Drain_C          HP201191          2.5 mA HF_CPR_CH_SINE_S             HP211191          ON (Def) HF_CPR_CH_LOOP_S             HP210191          CLOSE (Def)	HC182289	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V - 0.163247021323366 mA 0.653591538799737 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715207 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715207 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747691 <dec> - 0.163247021323366 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289   238747691 <dec> 0.653591538799737 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289   257097771 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                 HP332194 HL_M2_3B_V                 HP333194 HL_M3_3B_V                 HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194   HL_Drain1_3B_V             HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V             HP338194 HL_Curlim2                  HP291194 HL_macro_checksum          HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289   257097771 <dec> 18 <dec> 4062273269 <dec> 4063377639 <dec> 2 <dec> 0 A (Def) 379 V 380 V 381 V 382 V 383 V   384 v 385 386 v 387 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254229 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254229 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254229 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254230 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254230 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                   HP001197 HIF_Nsteps                   HP054197 HIF_step_time                HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C            HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254230 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CH1_DPACT_C               HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747692 <dec> - 0.163247021323366 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CV1_DPACT_C               HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747692 <dec> 0.653591538799737 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                   HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097772 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                   HP001197 HL_freq_nx                    HP436194 HL_LSU_main                    HP438194 HL_LSU_offset                 HP439194 HL_D2_step                     HP437194 HL_PL_3B_C                     HP331194 HL_M1_3B_V                     HP332194 HL_M2_3B_V                     HP333194 HL_M3_3B_V                     HP334194 HL_Gate1_3B_V                 HP335194 HL_Gate2_3B_V                 HP336194	HC040289  257097772 <dec> 18 <dec> 4062273269 <dec> 4063377639 <dec> 2 <dec> 0 A (Def) 388 V 389 V 390 V 391 V 392 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254232 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254232 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254232 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747693 <dec> - 0.163247021323366 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747693 <dec> 0.653591538799737 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097773 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  257097773 <dec> HL_freq_nx                  HP436194                  18 <dec> HL_LSU_main                  HP438194                  4062273269 <dec> HL_LSU_offset                  HP439194                  4063377639 <dec> HL_D2_step                  HP437194                  2 <dec> HL_PL_3B_C                  HP331194                  0 A (Def) HL_M1_3B_V                  HP332194                  397 V HL_M2_3B_V                  HP333194                  398 V HL_M3_3B_V                  HP334194                  399 V HL_Gate1_3B_V                  HP335194                  400 V HL_Gate2_3B_V                  HP336194                  401 V  HL_Drain1_3B_V                  HP337194                  402 V HL_Curlim1                  HP290194                  403 HL_Drain2_3B_V                  HP338194                  404 V HL_Curlim2                  HP291194                  405 HL_macro_checksum                  HP440194                  1 <dec>  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097773 <dec> 18 <dec> 4062273269 <dec> 4063377639 <dec> 2 <dec> 0 A (Def) 397 V 398 V 399 V 400 V 401 V  402 V 403 404 V 405 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  213254233 <dec> HF_CH1_DPACT_C                  HP174191                  2.24 mA  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254233 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254233 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254233 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254234 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254234 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                   HP001197 HIF_Nsteps                   HP054197 HIF_step_time               HP055197 HF_CH1_DPACT0_C           HP175191 HF_CV1_DPACT0_C           HP190191 HIF_dpact_step_C           HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254234 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CH1_DPACT_C               HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747694 <dec> - 0.163247021323366 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CV1_DPACT_C               HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747694 <dec> 0.653591538799737 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                   HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097774 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                   HP001197 HL_freq_nx                   HP436194 HL_LSU_main                   HP438194 HL_LSU_offset                HP439194 HL_D2_step                   HP437194 HL_PL_3B_C                   HP331194 HL_M1_3B_V                   HP332194 HL_M2_3B_V                   HP333194 HL_M3_3B_V                   HP334194 HL_Gate1_3B_V                HP335194 HL_Gate2_3B_V                HP336194	HC040289  257097774 <dec> 18 <dec> 4062273269 <dec> 4063377639 <dec> 2 <dec> 0 A (Def) 406 V 407 V 408 V 409 V 410 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum    HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	411 v 412 413 v 414 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk      HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C              HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID              HP001197 HF_CH1_DPACT_C        HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254235 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C              HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID              HP001197 HF_CV1_DPACT_C        HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254235 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer              HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID              HP001197 HIF_Nsteps            HP054197 HIF_step_time        HP055197 HF_CH1_DPACT0_C      HP175191 HF_CV1_DPACT0_C      HP190191 HIF_dpact_step_C      HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254235 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254236 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254236 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254236 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747695 <dec> - 0.163247021323366 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747695 <dec> 0.653591538799737 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097775 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097775 <dec> 18 <dec> 4062273269 <dec> 4063377639 <dec> 2 <dec> 0 A (Def) 415 V 416 V 417 V 418 V 419 V  420 V 421 422 V 423 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254237 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254237 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254237 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254238 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254238 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254238 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747696 <dec> - 0.163247021323366 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747696 <dec> 0.653591538799737 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097776 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097776 <dec> 18 <dec> 4062273269 <dec> 4063377639 <dec> 2 <dec> 0 A (Def) 424 V 425 V 426 V 427 V 428 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum    HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	429 V 430 431 V 432 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HCI93289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HIFI_CH1_DPACT_C  HC097289  213254239 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HIFI_CV1_DPACT_C  HC100289  213254239 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID          HP001197 HIF_Nsteps        HP054197 HIF_step_time     HP055197 HF_CH1_DPACT0_C    HP175191 HF_CV1_DPACT0_C    HP190191 HIF_dpact_step_C    HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HIFI_scan_diplexer  HC106289  213254239 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254240 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254240 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254240 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747697 <dec> - 0.163247021323366 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747697 <dec> 0.653591538799737 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097777 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097777 <dec> 18 <dec> 4062273269 <dec> 4063377639 <dec> 2 <dec> 0 A (Def) 433 V 434 V 435 V 436 V 437 V  438 V 439 440 V 441 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254241 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254241 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254241 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254242 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254242 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197           213254242 <dec> HIF_Nsteps                   HP054197           61 <dec> HIF_step_time                HP055197           0.1 s HF_CH1_DPACT0_C            HP175191           2.24 mA HF_CV1_DPACT0_C            HP190191           2.24 mA HIF_dpact_step_C            HP062191           -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197           209715208 <dec> HF_CPR_Mixer_H_S            HP203191           ON (Def) HF_CPR_Mixer_V_S            HP204191           ON (Def) HF_CPR_Chopper_S            HP205191           ON (Def) HF_CPR_UCH_S                 HP206191           ON (Def) HF_CPR_UCV_S                 HP207191           ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197           209715208 <dec> HF_CPR_MXBAND               HP202191           3 <dec> HF_CH1_DPFPF1                HP176191           227 <dec> (Def) HF_CH2_FIF1_Drain_V         HP177191           0.75 V HF_CH2_FIF1_Drain_C         HP178191           4 mA HF_CH2_FIF2_Drain_V         HP179191           0.65 V HF_CH2_FIF2_Drain_C         HP180191           3 mA HF_CH2_SIF1_Drain_V         HP181191           0.82 V HF_CH2_SIF1_Drain_C         HP182191           2.5 mA HF_CH2_SIF2_Drain_V         HP183191           0.8 V HF_CH2_SIF2_Drain_C         HP184191           1.9 mA  HF_CH2_SIF3_Drain_V         HP185191           0.65 V HF_CH2_SIF3_Drain_C         HP186191           3 mA HF_CV1_DPFPF1                HP191191           227 <dec> (Def) HF_CV2_FIF1_Drain_V         HP192191           0.75 V HF_CV2_FIF1_Drain_C         HP193191           4 mA HF_CV2_FIF2_Drain_V         HP194191           0.65 V HF_CV2_FIF2_Drain_C         HP195191           3 mA HF_CV2_SIF1_Drain_V         HP196191           0.77 V HF_CV2_SIF1_Drain_C         HP197191           3 mA HF_CV2_SIF2_Drain_V         HP198191           0.9 V HF_CV2_SIF2_Drain_C         HP199191           1.55 mA HF_CV2_SIF3_Drain_V         HP200191           0.75 V HF_CV2_SIF3_Drain_C         HP201191           2.5 mA HF_CPR_CH_SINE_S             HP211191           ON (Def) HF_CPR_CH_LOOP_S             HP210191           CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V - 0.372510595735326 mA 0.465189692240052 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715208 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715208 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747698 <dec> - 0.372510595735326 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747698 <dec> 0.465189692240052 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097778 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194  HL_Drain1_3B_V             HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V             HP338194 HL_Curlim2                  HP291194 HL_macro_checksum          HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097778 <dec> 19 <dec> 4062272758 <dec> 4063377888 <dec> 2 <dec> 0 A (Def) 442 V 443 V 444 V 445 V 446 V  447 V 448 449 V 450 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254243 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254243 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time               HP055197 HF_CH1_DPACT0_C           HP175191 HF_CV1_DPACT0_C           HP190191 HIF_dpact_step_C           HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254243 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254244 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254244 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254244 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747699 <dec> - 0.372510595735326 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747699 <dec> 0.465189692240052 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097779 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097779 <dec> 19 <dec> 4062272758 <dec> 4063377888 <dec> 2 <dec> 0 A (Def) 451 V 452 V 453 V 454 V 455 V	





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254246 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254246 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254246 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747700 <dec> - 0.372510595735326 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747700 <dec> 0.465189692240052 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097780 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097780 <dec> 19 <dec> 4062272758 <dec> 4063377888 <dec> 2 <dec> 0 A (Def) 460 V 461 V 462 V 463 V 464 V  465 V 466 467 V 468 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254247 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254247 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254247 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254248 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254248 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254248 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747701 <dec> - 0.372510595735326 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747701 <dec> 0.465189692240052 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097781 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097781 <dec> 19 <dec> 4062272758 <dec> 4063377888 <dec> 2 <dec> 0 A (Def) 469 V 470 V 471 V 472 V 473 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254250 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254250 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254250 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747702 <dec> - 0.372510595735326 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747702 <dec> 0.465189692240052 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097782 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097782 <dec> 19 <dec> 4062272758 <dec> 4063377888 <dec> 2 <dec> 0 A (Def) 478 V 479 V 480 V 481 V 482 V  483 V 484 485 V 486 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254251 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254251 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254251 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254252 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254252 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254252 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747703 <dec> - 0.372510595735326 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747703 <dec> 0.465189692240052 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097783 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097783 <dec> 19 <dec> 4062272758 <dec> 4063377888 <dec> 2 <dec> 0 A (Def) 487 V 488 V 489 V 490 V 491 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254254 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254254 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254254 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747704 <dec> - 0.372510595735326 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747704 <dec> 0.465189692240052 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097784 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097784 <dec> 19 <dec> 4062272758 <dec> 4063377888 <dec> 2 <dec> 0 A (Def) 496 V 497 V 498 V 499 V 500 V  501 V 502 503 V 504 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254255 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254255 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254255 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254256 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254256 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254256 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715209 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715209 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V          HP177191          0.75 V HF_CH2_FIF1_Drain_C          HP178191          4 mA HF_CH2_FIF2_Drain_V          HP179191          0.65 V HF_CH2_FIF2_Drain_C          HP180191          3 mA HF_CH2_SIF1_Drain_V          HP181191          0.82 V HF_CH2_SIF1_Drain_C          HP182191          2.5 mA HF_CH2_SIF2_Drain_V          HP183191          0.8 V HF_CH2_SIF2_Drain_C          HP184191          1.9 mA  HF_CH2_SIF3_Drain_V          HP185191          0.65 V HF_CH2_SIF3_Drain_C          HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V          HP192191          0.75 V HF_CV2_FIF1_Drain_C          HP193191          4 mA HF_CV2_FIF2_Drain_V          HP194191          0.65 V HF_CV2_FIF2_Drain_C          HP195191          3 mA HF_CV2_SIF1_Drain_V          HP196191          0.77 V HF_CV2_SIF1_Drain_C          HP197191          3 mA HF_CV2_SIF2_Drain_V          HP198191          0.9 V HF_CV2_SIF2_Drain_C          HP199191          1.55 mA HF_CV2_SIF3_Drain_V          HP200191          0.75 V HF_CV2_SIF3_Drain_C          HP201191          2.5 mA HF_CPR_CH_SINE_S              HP211191          ON (Def) HF_CPR_CH_LOOP_S              HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V - 0.581774170147286 mA 0.276787845680368 mA	
		Subsch. ID : 70		
		Det. descr. : Configure the FCU-subsystem (prime)		
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191 Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289 209715209 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191 Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289 209715209 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289 238747705 <dec> - 0.581774170147286 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DFACT_C  HIFI_CV1_DFACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DFACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747705 <dec> 0.276787845680368 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097785 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194  HL_Drain1_3B_V              HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V              HP338194 HL_Curlim2                  HP291194 HL_macro_checksum           HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097785 <dec> 19 <dec> 4062272247 <dec> 4063377891 <dec> 2 <dec> 0 A (Def) 505 V 506 V 507 V 508 V 509 V  510 v 511 512 v 513 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254257 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254257 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254257 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254258 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254258 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254258 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747706 <dec> - 0.581774170147286 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747706 <dec> 0.276787845680368 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097786 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097786 <dec> 19 <dec> 4062272247 <dec> 4063377891 <dec> 2 <dec> 0 A (Def) 514 V 515 V 516 V 517 V 518 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	519 v 520 521 v 522 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254259 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254259 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254259 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254260 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254260 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254260 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747707 <dec> - 0.581774170147286 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747707 <dec> 0.276787845680368 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097787 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097787 <dec> 19 <dec> 4062272247 <dec> 4063377891 <dec> 2 <dec> 0 A (Def) 523 V 524 V 525 V 526 V 527 V  528 V 529 530 V 531 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254261 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254261 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254261 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254262 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254262 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197 HIF_Nsteps                   HP054197 HIF_step_time                HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C            HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254262 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CH1_DPACT_C               HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747708 <dec> - 0.581774170147286 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  <b>HIFI_CV1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CV1_DPACT_C               HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747708 <dec> 0.276787845680368 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097788 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197 HL_freq_nx                    HP436194 HL_LSU_main                   HP438194 HL_LSU_offset                 HP439194 HL_D2_step                    HP437194 HL_PL_3B_C                    HP331194 HL_M1_3B_V                    HP332194 HL_M2_3B_V                    HP333194 HL_M3_3B_V                    HP334194 HL_Gate1_3B_V                 HP335194 HL_Gate2_3B_V                 HP336194	HC040289  257097788 <dec> 19 <dec> 4062272247 <dec> 4063377891 <dec> 2 <dec> 0 A (Def) 532 V 533 V 534 V 535 V 536 V	





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254264 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254264 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254264 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747709 <dec> - 0.581774170147286 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747709 <dec> 0.276787845680368 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097789 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097789 <dec> 19 <dec> 4062272247 <dec> 4063377891 <dec> 2 <dec> 0 A (Def) 541 V 542 V 543 V 544 V 545 V  546 V 547 548 V 549 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254265 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254265 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254265 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254266 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254266 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254266 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747710 <dec> - 0.581774170147286 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747710 <dec> 0.276787845680368 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097790 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097790 <dec> 19 <dec> 4062272247 <dec> 4063377891 <dec> 2 <dec> 0 A (Def) 550 V 551 V 552 V 553 V 554 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	555 v 556 557 v 558 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk      HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C                      HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                      HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254267 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C                      HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                      HP001197 HF_CV1_DPACT_C                  HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254267 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer                      HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                      HP001197 HIF_Nsteps                      HP054197 HIF_step_time                    HP055197 HF_CH1_DPACT0_C                HP175191 HF_CV1_DPACT0_C                HP190191 HIF_dpact_step_C                HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254267 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254268 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254268 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254268 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747711 <dec> - 0.581774170147286 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747711 <dec> 0.276787845680368 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097791 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097791 <dec> 19 <dec> 4062272247 <dec> 4063377891 <dec> 2 <dec> 0 A (Def) 559 V 560 V 561 V 562 V 563 V  564 V 565 566 V 567 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254269 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254269 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254269 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254270 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254270 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254270 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715210 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715210 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V          HP177191          0.75 V HF_CH2_FIF1_Drain_C          HP178191          4 mA HF_CH2_FIF2_Drain_V          HP179191          0.65 V HF_CH2_FIF2_Drain_C          HP180191          3 mA HF_CH2_SIF1_Drain_V          HP181191          0.82 V HF_CH2_SIF1_Drain_C          HP182191          2.5 mA HF_CH2_SIF2_Drain_V          HP183191          0.8 V HF_CH2_SIF2_Drain_C          HP184191          1.9 mA  HF_CH2_SIF3_Drain_V          HP185191          0.65 V HF_CH2_SIF3_Drain_C          HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V          HP192191          0.75 V HF_CV2_FIF1_Drain_C          HP193191          4 mA HF_CV2_FIF2_Drain_V          HP194191          0.65 V HF_CV2_FIF2_Drain_C          HP195191          3 mA HF_CV2_SIF1_Drain_V          HP196191          0.77 V HF_CV2_SIF1_Drain_C          HP197191          3 mA HF_CV2_SIF2_Drain_V          HP198191          0.9 V HF_CV2_SIF2_Drain_C          HP199191          1.55 mA HF_CV2_SIF3_Drain_V          HP200191          0.75 V HF_CV2_SIF3_Drain_C          HP201191          2.5 mA HF_CPR_CH_SINE_S              HP211191          ON (Def) HF_CPR_CH_LOOP_S              HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V - 0.791037744559245 mA 8.83859991206839E- 02 mA	
		Subsch. ID : 70		
		Det. descr. : Configure the FCU-subsystem (prime)		
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191 Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289 209715210 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191 Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289 209715210 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289 238747712 <dec> - 0.791037744559245 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289   238747712 <dec> 8.83859991206839E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289   257097792 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194   HL_Drain1_3B_V              HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V              HP338194 HL_Curlim2                  HP291194 HL_macro_checksum           HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289   257097792 <dec> 19 <dec> 4062271737 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 568 V 569 V 570 V 571 V 572 V   573 V 574 575 V 576 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254271 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254271 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254271 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254272 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254272 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254272 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747713 <dec> - 0.791037744559245 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747713 <dec> 8.83859991206839E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097793 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097793 <dec> 19 <dec> 4062271737 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 577 V 578 V 579 V 580 V 581 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V      HP337194 HL_Curlim1            HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2            HP291194 HL_macro_checksum    HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	582 v 583 584 v 585 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk      HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C              HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID            HP001197 HF_CH1_DPACT_C        HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254273 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C              HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID            HP001197 HF_CV1_DPACT_C        HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254273 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer            HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID            HP001197 HIF_Nsteps            HP054197 HIF_step_time        HP055197 HF_CH1_DPACT0_C      HP175191 HF_CV1_DPACT0_C      HP190191 HIF_dpact_step_C      HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254273 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254274 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254274 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time               HP055197 HF_CH1_DPACT0_C           HP175191 HF_CV1_DPACT0_C           HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254274 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747714 <dec> - 0.791037744559245 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747714 <dec> 8.83859991206839E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097794 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097794 <dec> 19 <dec> 4062271737 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 586 V 587 V 588 V 589 V 590 V  591 V 592 593 V 594 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254275 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254275 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C              HP175191 HF_CV1_DPACT0_C              HP190191 HIF_dpact_step_C              HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254275 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254276 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254276 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254276 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747715 <dec> - 0.791037744559245 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747715 <dec> 8.83859991206839E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097795 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097795 <dec> 19 <dec> 4062271737 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 595 V 596 V 597 V 598 V 599 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254278 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254278 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254278 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747716 <dec> - 0.791037744559245 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747716 <dec> 8.83859991206839E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097796 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097796 <dec> 19 <dec> 4062271737 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 604 V 605 V 606 V 607 V 608 V  609 V 610 611 V 612 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254279 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254279 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254279 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254280 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254280 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254280 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747717 <dec> - 0.791037744559245 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747717 <dec> 8.83859991206839E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097797 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097797 <dec> 19 <dec> 4062271737 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 613 V 614 V 615 V 616 V 617 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HL_Drain1_3B_V           HP337194 HL_Curlim1           HP290194 HL_Drain2_3B_V           HP338194 HL_Curlim2           HP291194 HL_macro_checksum        HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	618 V 619 620 V 621 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID           HP001197 HF_CH1_DPACT_C        HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254281 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID           HP001197 HF_CV1_DPACT_C        HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254281 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID           HP001197 HIF_Nsteps            HP054197 HIF_step_time        HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254281 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254282 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254282 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254282 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747718 <dec> - 0.791037744559245 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747718 <dec> 8.83859991206839E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097798 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097798 <dec> 19 <dec> 4062271737 <dec> 4063377895 <dec> 2 <dec> 0 A (Def) 622 V 623 V 624 V 625 V 626 V  627 V 628 629 V 630 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254283 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254283 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254283 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254284 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254284 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254284 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715211 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715211 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                  HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V            HP177191          0.75 V HF_CH2_FIF1_Drain_C            HP178191          4 mA HF_CH2_FIF2_Drain_V            HP179191          0.65 V HF_CH2_FIF2_Drain_C            HP180191          3 mA HF_CH2_SIF1_Drain_V            HP181191          0.82 V HF_CH2_SIF1_Drain_C            HP182191          2.5 mA HF_CH2_SIF2_Drain_V            HP183191          0.8 V HF_CH2_SIF2_Drain_C            HP184191          1.9 mA  HF_CH2_SIF3_Drain_V            HP185191          0.65 V HF_CH2_SIF3_Drain_C            HP186191          3 mA HF_CV1_DPFPF1                  HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V            HP192191          0.75 V HF_CV2_FIF1_Drain_C            HP193191          4 mA HF_CV2_FIF2_Drain_V            HP194191          0.65 V HF_CV2_FIF2_Drain_C            HP195191          3 mA HF_CV2_SIF1_Drain_V            HP196191          0.77 V HF_CV2_SIF1_Drain_C            HP197191          3 mA HF_CV2_SIF2_Drain_V            HP198191          0.9 V HF_CV2_SIF2_Drain_C            HP199191          1.55 mA HF_CV2_SIF3_Drain_V            HP200191          0.75 V HF_CV2_SIF3_Drain_C            HP201191          2.5 mA HF_CPR_CH_SINE_S               HP211191          ON (Def) HF_CPR_CH_LOOP_S               HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V 0.718702701688563 mA - 9.86871857410815E- 02 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715211 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715211 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747719 <dec> 0.718702701688563 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747719 <dec> - 9.86871857410815E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097799 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194  HL_Drain1_3B_V              HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V              HP338194 HL_Curlim2                  HP291194 HL_macro_checksum          HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097799 <dec> 20 <dec> 4062271472 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 631 V 632 V 633 V 634 V 635 V  636 V 637 638 V 639 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254285 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254285 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254285 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254286 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254286 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254286 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747720 <dec> 0.718702701688563 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747720 <dec> - 9.86871857410815E- 02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097800 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097800 <dec> 20 <dec> 4062271472 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 640 V 641 V 642 V 643 V 644 V	





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254288 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254288 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254288 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747721 <dec> 0.718702701688563 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747721 <dec> - 9.86871857410815E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289   257097801 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194   HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289   257097801 <dec> 20 <dec> 4062271472 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 649 V 650 V 651 V 652 V 653 V   654 V 655 656 V 657 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289   213254289 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254289 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254289 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254290 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254290 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254290 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747722 <dec> 0.718702701688563 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747722 <dec> - 9.86871857410815E-02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097802 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097802 <dec> 20 <dec> 4062271472 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 658 V 659 V 660 V 661 V 662 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254292 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254292 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254292 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747723 <dec> 0.718702701688563 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747723 <dec> - 9.86871857410815E-02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097803 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097803 <dec> 20 <dec> 4062271472 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 667 V 668 V 669 V 670 V 671 V  672 V 673 674 V 675 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254293 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254293 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254293 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254294 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254294 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                 HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254294 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747724 <dec> 0.718702701688563 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747724 <dec> - 9.86871857410815E- 02 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097804 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097804 <dec> 20 <dec> 4062271472 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 676 V 677 V 678 V 679 V 680 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254296 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254296 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254296 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747725 <dec> 0.718702701688563 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747725 <dec> - 9.86871857410815E- 02 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097805 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097805 <dec> 20 <dec> 4062271472 <dec> 4063378144 <dec> 2 <dec> 0 A (Def) 685 V 686 V 687 V 688 V 689 V  690 V 691 692 V 693 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254297 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254297 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254297 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254298 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254298 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254298 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715212 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715212 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V          HP177191          0.75 V HF_CH2_FIF1_Drain_C          HP178191          4 mA HF_CH2_FIF2_Drain_V          HP179191          0.65 V HF_CH2_FIF2_Drain_C          HP180191          3 mA HF_CH2_SIF1_Drain_V          HP181191          0.82 V HF_CH2_SIF1_Drain_C          HP182191          2.5 mA HF_CH2_SIF2_Drain_V          HP183191          0.8 V HF_CH2_SIF2_Drain_C          HP184191          1.9 mA  HF_CH2_SIF3_Drain_V          HP185191          0.65 V HF_CH2_SIF3_Drain_C          HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V          HP192191          0.75 V HF_CV2_FIF1_Drain_C          HP193191          4 mA HF_CV2_FIF2_Drain_V          HP194191          0.65 V HF_CV2_FIF2_Drain_C          HP195191          3 mA HF_CV2_SIF1_Drain_V          HP196191          0.77 V HF_CV2_SIF1_Drain_C          HP197191          3 mA HF_CV2_SIF2_Drain_V          HP198191          0.9 V HF_CV2_SIF2_Drain_C          HP199191          1.55 mA HF_CV2_SIF3_Drain_V          HP200191          0.75 V HF_CV2_SIF3_Drain_C          HP201191          2.5 mA HF_CPR_CH_SINE_S              HP211191          ON (Def) HF_CPR_CH_LOOP_S              HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V 0.500753090324317 mA - 0.277087078531218 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715212 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715212 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747726 <dec> 0.500753090324317 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747726 <dec> - 0.277087078531218 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097806 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HL_freq_nx          HP436194 HL_LSU_main          HP438194 HL_LSU_offset       HP439194 HL_D2_step          HP437194 HL_PL_3B_C          HP331194 HL_M1_3B_V          HP332194 HL_M2_3B_V          HP333194 HL_M3_3B_V          HP334194 HL_Gate1_3B_V      HP335194 HL_Gate2_3B_V      HP336194  HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097806 <dec> 20 <dec> 4062270453 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 694 V 695 V 696 V 697 V 698 V  699 v 700 701 v 702 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254299 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254299 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time               HP055197 HF_CH1_DPACT0_C           HP175191 HF_CV1_DPACT0_C           HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254299 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254300 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254300 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254300 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747727 <dec> 0.500753090324317 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747727 <dec> - 0.277087078531218 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097807 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097807 <dec> 20 <dec> 4062270453 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 703 V 704 V 705 V 706 V 707 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254302 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254302 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254302 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747728 <dec> 0.500753090324317 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747728 <dec> - 0.277087078531218 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097808 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  257097808 <dec> HL_freq_nx                  HP436194                  20 <dec> HL_LSU_main                  HP438194                  4062270453 <dec> HL_LSU_offset                  HP439194                  4063377640 <dec> HL_D2_step                  HP437194                  2 <dec> HL_PL_3B_C                  HP331194                  0 A (Def) HL_M1_3B_V                  HP332194                  712 V HL_M2_3B_V                  HP333194                  713 V HL_M3_3B_V                  HP334194                  714 V HL_Gate1_3B_V                  HP335194                  715 V HL_Gate2_3B_V                  HP336194                  716 V  HL_Drain1_3B_V                  HP337194                  717 V HL_Curlim1                  HP290194                  718 HL_Drain2_3B_V                  HP338194                  719 V HL_Curlim2                  HP291194                  720 HL_macro_checksum                  HP440194                  1 <dec>  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097808 <dec> 20 <dec> 4062270453 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 712 V 713 V 714 V 715 V 716 V  717 V 718 719 V 720 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  213254303 <dec> HF_CH1_DPACT_C                  HP174191                  2.24 mA  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254303 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254303 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254303 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254304 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254304 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                   HP001197 HIF_Nsteps                   HP054197 HIF_step_time               HP055197 HF_CH1_DPACT0_C           HP175191 HF_CV1_DPACT0_C           HP190191 HIF_dpact_step_C           HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289   213254304 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CH1_DPACT_C           HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289   238747729 <dec> 0.500753090324317 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CV1_DPACT_C           HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289   238747729 <dec> - 0.277087078531218 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                   HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289   257097809 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                   HP001197 HL_freq_nx                   HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                   HP437194 HL_PL_3B_C                   HP331194 HL_M1_3B_V                   HP332194 HL_M2_3B_V                   HP333194 HL_M3_3B_V                   HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289   257097809 <dec> 20 <dec> 4062270453 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 721 V 722 V 723 V 724 V 725 V	





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254306 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254306 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254306 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747730 <dec> 0.500753090324317 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747730 <dec> - 0.277087078531218 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097810 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  257097810 <dec> HL_freq_nx                  HP436194                  20 <dec> HL_LSU_main                  HP438194                  4062270453 <dec> HL_LSU_offset                  HP439194                  4063377640 <dec> HL_D2_step                  HP437194                  2 <dec> HL_PL_3B_C                  HP331194                  0 A (Def) HL_M1_3B_V                  HP332194                  730 V HL_M2_3B_V                  HP333194                  731 V HL_M3_3B_V                  HP334194                  732 V HL_Gate1_3B_V                  HP335194                  733 V HL_Gate2_3B_V                  HP336194                  734 V  HL_Drain1_3B_V                  HP337194                  735 V HL_Curlim1                  HP290194                  736 HL_Drain2_3B_V                  HP338194                  737 V HL_Curlim2                  HP291194                  738 HL_macro_checksum                  HP440194                  1 <dec>  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097810 <dec> 20 <dec> 4062270453 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 730 V 731 V 732 V 733 V 734 V  735 V 736 737 V 738 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  213254307 <dec> HF_CH1_DPACT_C                  HP174191                  2.24 mA  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254307 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254307 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254307 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254308 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254308 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254308 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747731 <dec> 0.500753090324317 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747731 <dec> - 0.277087078531218 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097811 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                   HP437194 HL_PL_3B_C                   HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097811 <dec> 20 <dec> 4062270453 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 739 V 740 V 741 V 742 V 743 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254310 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254310 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254310 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747732 <dec> 0.500753090324317 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747732 <dec> - 0.277087078531218 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097812 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  257097812 <dec> HL_freq_nx                  HP436194                  20 <dec> HL_LSU_main                  HP438194                  4062270453 <dec> HL_LSU_offset                  HP439194                  4063377640 <dec> HL_D2_step                  HP437194                  2 <dec> HL_PL_3B_C                  HP331194                  0 A (Def) HL_M1_3B_V                  HP332194                  748 V HL_M2_3B_V                  HP333194                  749 V HL_M3_3B_V                  HP334194                  750 V HL_Gate1_3B_V                  HP335194                  751 V HL_Gate2_3B_V                  HP336194                  752 V  HL_Drain1_3B_V                  HP337194                  753 V HL_Curlim1                  HP290194                  754 HL_Drain2_3B_V                  HP338194                  755 V HL_Curlim2                  HP291194                  756 HL_macro_checksum                  HP440194                  1 <dec>  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097812 <dec> 20 <dec> 4062270453 <dec> 4063377640 <dec> 2 <dec> 0 A (Def) 748 V 749 V 750 V 751 V 752 V  753 V 754 755 V 756 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197                  213254311 <dec> HF_CH1_DPACT_C                  HP174191                  2.24 mA  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254311 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254311 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254311 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254312 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254312 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254312 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715213 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715213 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                  HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V            HP177191          0.75 V HF_CH2_FIF1_Drain_C            HP178191          4 mA HF_CH2_FIF2_Drain_V            HP179191          0.65 V HF_CH2_FIF2_Drain_C            HP180191          3 mA HF_CH2_SIF1_Drain_V            HP181191          0.82 V HF_CH2_SIF1_Drain_C            HP182191          2.5 mA HF_CH2_SIF2_Drain_V            HP183191          0.8 V HF_CH2_SIF2_Drain_C            HP184191          1.9 mA  HF_CH2_SIF3_Drain_V            HP185191          0.65 V HF_CH2_SIF3_Drain_C            HP186191          3 mA HF_CV1_DPFPF1                  HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V            HP192191          0.75 V HF_CV2_FIF1_Drain_C            HP193191          4 mA HF_CV2_FIF2_Drain_V            HP194191          0.65 V HF_CV2_FIF2_Drain_C            HP195191          3 mA HF_CV2_SIF1_Drain_V            HP196191          0.77 V HF_CV2_SIF1_Drain_C            HP197191          3 mA HF_CV2_SIF2_Drain_V            HP198191          0.9 V HF_CV2_SIF2_Drain_C            HP199191          1.55 mA HF_CV2_SIF3_Drain_V            HP200191          0.75 V HF_CV2_SIF3_Drain_C            HP201191          2.5 mA HF_CPR_CH_SINE_S               HP211191          ON (Def) HF_CPR_CH_LOOP_S               HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V 0.282803478960071 mA - 0.455486971321355 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715213 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715213 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747733 <dec> 0.282803478960071 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747733 <dec> - 0.455486971321355 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097813 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HL_freq_nx          HP436194 HL_LSU_main          HP438194 HL_LSU_offset       HP439194 HL_D2_step          HP437194 HL_PL_3B_C          HP331194 HL_M1_3B_V          HP332194 HL_M2_3B_V          HP333194 HL_M3_3B_V          HP334194 HL_Gate1_3B_V       HP335194 HL_Gate2_3B_V       HP336194  HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097813 <dec> 21 <dec> 4062269943 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 757 V 758 V 759 V 760 V 761 V  762 v 763 764 v 765 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254313 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254313 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time               HP055197 HF_CH1_DPACT0_C           HP175191 HF_CV1_DPACT0_C           HP190191 HIF_dpact_step_C           HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254313 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254314 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254314 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254314 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747734 <dec> 0.282803478960071 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747734 <dec> - 0.455486971321355 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097814 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID HP001197 HL_freq_nx HP436194 HL_LSU_main HP438194 HL_LSU_offset HP439194 HL_D2_step HP437194 HL_PL_3B_C HP331194 HL_M1_3B_V HP332194 HL_M2_3B_V HP333194 HL_M3_3B_V HP334194 HL_Gate1_3B_V HP335194 HL_Gate2_3B_V HP336194	HC040289  257097814 <dec> 21 <dec> 4062269943 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 766 V 767 V 768 V 769 V 770 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254316 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254316 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254316 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747735 <dec> 0.282803478960071 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747735 <dec> - 0.455486971321355 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097815 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097815 <dec> 21 <dec> 4062269943 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 775 V 776 V 777 V 778 V 779 V  780 V 781 782 V 783 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254317 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254317 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254317 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254318 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254318 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                   HP001197 HIF_Nsteps                   HP054197 HIF_step_time                HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C            HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254318 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CH1_DPACT_C               HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747736 <dec> 0.282803478960071 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                   HP001197 HF_CV1_DPACT_C               HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747736 <dec> - 0.455486971321355 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                   HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097816 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                   HP001197 HL_freq_nx                    HP436194 HL_LSU_main                    HP438194 HL_LSU_offset                 HP439194 HL_D2_step                     HP437194 HL_PL_3B_C                     HP331194 HL_M1_3B_V                     HP332194 HL_M2_3B_V                     HP333194 HL_M3_3B_V                     HP334194 HL_Gate1_3B_V                 HP335194 HL_Gate2_3B_V                 HP336194	HC040289  257097816 <dec> 21 <dec> 4062269943 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 784 V 785 V 786 V 787 V 788 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254320 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254320 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254320 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747737 <dec> 0.282803478960071 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747737 <dec> - 0.455486971321355 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097817 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097817 <dec> 21 <dec> 4062269943 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 793 V 794 V 795 V 796 V 797 V  798 V 799 800 V 801 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254321 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254321 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254321 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254322 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254322 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254322 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747738 <dec> 0.282803478960071 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747738 <dec> - 0.455486971321355 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097818 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097818 <dec> 21 <dec> 4062269943 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 802 V 803 V 804 V 805 V 806 V	





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254324 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254324 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254324 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747739 <dec> 0.282803478960071 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747739 <dec> - 0.455486971321355 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097819 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097819 <dec> 21 <dec> 4062269943 <dec> 4063377890 <dec> 2 <dec> 0 A (Def) 811 V 812 V 813 V 814 V 815 V  816 V 817 818 V 819 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254325 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> <i>Det. descr. : Send single command to set V diplexer current</i>	HC100289  213254325 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> <i>Det. descr. : Specifies and start an FCU-diplexer scan</i>	HC106289  213254325 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> <i>Det. descr. : Send single command to set H diplexer current</i>	HC097289  213254326 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> <i>Det. descr. : Send single command to set V diplexer current</i>	HC100289  213254326 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254326 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715214 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715214 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V           HP177191          0.75 V HF_CH2_FIF1_Drain_C           HP178191          4 mA HF_CH2_FIF2_Drain_V           HP179191          0.65 V HF_CH2_FIF2_Drain_C           HP180191          3 mA HF_CH2_SIF1_Drain_V           HP181191          0.82 V HF_CH2_SIF1_Drain_C           HP182191          2.5 mA HF_CH2_SIF2_Drain_V           HP183191          0.8 V HF_CH2_SIF2_Drain_C           HP184191          1.9 mA  HF_CH2_SIF3_Drain_V           HP185191          0.65 V HF_CH2_SIF3_Drain_C           HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V           HP192191          0.75 V HF_CV2_FIF1_Drain_C           HP193191          4 mA HF_CV2_FIF2_Drain_V           HP194191          0.65 V HF_CV2_FIF2_Drain_C           HP195191          3 mA HF_CV2_SIF1_Drain_V           HP196191          0.77 V HF_CV2_SIF1_Drain_C           HP197191          3 mA HF_CV2_SIF2_Drain_V           HP198191          0.9 V HF_CV2_SIF2_Drain_C           HP199191          1.55 mA HF_CV2_SIF3_Drain_V           HP200191          0.75 V HF_CV2_SIF3_Drain_C           HP201191          2.5 mA HF_CPR_CH_SINE_S              HP211191          ON (Def) HF_CPR_CH_LOOP_S              HP210191          CLOSE (Def)	HC182289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V 0.064853867595826 mA - 0.633886864111492 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715214 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715214 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747740 <dec> 0.064853867595826 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747740 <dec> - 0.633886864111492 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097820 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HL_freq_nx          HP436194 HL_LSU_main          HP438194 HL_LSU_offset       HP439194 HL_D2_step          HP437194 HL_PL_3B_C          HP331194 HL_M1_3B_V          HP332194 HL_M2_3B_V          HP333194 HL_M3_3B_V          HP334194 HL_Gate1_3B_V       HP335194 HL_Gate2_3B_V       HP336194  HL_Drain1_3B_V      HP337194 HL_Curlim1          HP290194 HL_Drain2_3B_V      HP338194 HL_Curlim2          HP291194 HL_macro_checksum   HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097820 <dec> 21 <dec> 4062269432 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 820 V 821 V 822 V 823 V 824 V  825 v 826 827 v 828 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254327 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254327 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254327 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254328 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254328 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254328 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747741 <dec> 0.064853867595826 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747741 <dec> - 0.633886864111492 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097821 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097821 <dec> 21 <dec> 4062269432 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 829 V 830 V 831 V 832 V 833 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254330 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254330 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254330 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747742 <dec> 0.064853867595826 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747742 <dec> - 0.633886864111492 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097822 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097822 <dec> 21 <dec> 4062269432 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 838 V 839 V 840 V 841 V 842 V  843 V 844 845 V 846 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254331 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254331 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254331 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254332 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254332 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254332 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C             HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747743 <dec> 0.064853867595826 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C             HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747743 <dec> - 0.633886864111492 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097823 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194	HC040289  257097823 <dec> 21 <dec> 4062269432 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 847 V 848 V 849 V 850 V 851 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254334 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254334 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254334 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747744 <dec> 0.064853867595826 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747744 <dec> - 0.633886864111492 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097824 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097824 <dec> 21 <dec> 4062269432 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 856 V 857 V 858 V 859 V 860 V  861 V 862 863 V 864 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254335 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254335 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254335 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254336 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254336 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254336 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747745 <dec> 0.064853867595826 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747745 <dec> - 0.633886864111492 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097825 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID HP001197 HL_freq_nx HP436194 HL_LSU_main HP438194 HL_LSU_offset HP439194 HL_D2_step HP437194 HL_PL_3B_C HP331194 HL_M1_3B_V HP332194 HL_M2_3B_V HP333194 HL_M3_3B_V HP334194 HL_Gate1_3B_V HP335194 HL_Gate2_3B_V HP336194	HC040289  257097825 <dec> 21 <dec> 4062269432 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 865 V 866 V 867 V 868 V 869 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254338 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254338 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254338 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747746 <dec> 0.064853867595826 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747746 <dec> - 0.633886864111492 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097826 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097826 <dec> 21 <dec> 4062269432 <dec> 4063377893 <dec> 2 <dec> 0 A (Def) 874 V 875 V 876 V 877 V 878 V  879 V 880 881 V 882 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254339 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254339 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254339 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254340 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254340 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          213254340 <dec> HIF_Nsteps                  HP054197          61 <dec> HIF_step_time                HP055197          0.1 s HF_CH1_DPACT0_C              HP175191          2.24 mA HF_CV1_DPACT0_C              HP190191          2.24 mA HIF_dpact_step_C              HP062191          -0.073 mA  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289	
	ET=+ UT=+00.00.10	HIFI_Configure_FCU_Power  <b>HIFI_Configure_FCU_Power</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715215 <dec> HF_CPR_Mixer_H_S              HP203191          ON (Def) HF_CPR_Mixer_V_S              HP204191          ON (Def) HF_CPR_Chopper_S              HP205191          ON (Def) HF_CPR_UCH_S                  HP206191          ON (Def) HF_CPR_UCV_S                  HP207191          ON (Def)  Subsch. ID : 70 Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)	HC027289	
	ET=+ UT=+00.00.00	HIFI_P_Configure_FCU  <b>HIFI_P_Configure_FCU</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197          209715215 <dec> HF_CPR_MX BAND                HP202191          3 <dec> HF_CH1_DPFPF1                HP176191          227 <dec> (Def) HF_CH2_FIF1_Drain_V           HP177191          0.75 V HF_CH2_FIF1_Drain_C           HP178191          4 mA HF_CH2_FIF2_Drain_V           HP179191          0.65 V HF_CH2_FIF2_Drain_C           HP180191          3 mA HF_CH2_SIF1_Drain_V           HP181191          0.82 V HF_CH2_SIF1_Drain_C           HP182191          2.5 mA HF_CH2_SIF2_Drain_V           HP183191          0.8 V HF_CH2_SIF2_Drain_C           HP184191          1.9 mA  HF_CH2_SIF3_Drain_V           HP185191          0.65 V HF_CH2_SIF3_Drain_C           HP186191          3 mA HF_CV1_DPFPF1                HP191191          227 <dec> (Def) HF_CV2_FIF1_Drain_V           HP192191          0.75 V HF_CV2_FIF1_Drain_C           HP193191          4 mA HF_CV2_FIF2_Drain_V           HP194191          0.65 V HF_CV2_FIF2_Drain_C           HP195191          3 mA HF_CV2_SIF1_Drain_V           HP196191          0.77 V HF_CV2_SIF1_Drain_C           HP197191          3 mA HF_CV2_SIF2_Drain_V           HP198191          0.9 V HF_CV2_SIF2_Drain_C           HP199191          1.55 mA HF_CV2_SIF3_Drain_V           HP200191          0.75 V HF_CV2_SIF3_Drain_C           HP201191          2.5 mA HF_CPR_CH_SINE_S              HP211191          ON (Def) HF_CPR_CH_LOOP_S              HP210191          CLOSE (Def)	HC182289	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HF_CPR_CHFPG1 HP212191 HF_CPR_CHFPG2 HP213191 HF_CPR_CHFPZ1 HP214191 HF_CPR_CHFPZ2 HP215191 HF_CPR_CHFPP2 HP216191 HF_CPR_Cal_Heater_C HP217191 HF_CH1_MXBIAS_V HP172191 HF_CH1_MX_MG_C HP173191 HF_CV1_MXBIAS_V HP187191 HF_CV1_MX_MG_C HP188191 HF_P_Chopper_Rot HP454191 HF_CH1_DPACT_C HP174191 HF_CV1_DPACT_C HP189191  Subsch. ID : 70  Det. descr. : Configure the FCU-subsystem (prime)	17 <dec> 201 <dec> 1010 <dec> 885 <dec> 149 <dec> 1.1 mA 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V - 0.148445428374019 mA 0.69724415476739 mA	
	ET=+ UT=+00.00.03	HIFI_CH1_MX_MG_C HIFI_CH1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191  Subsch. ID : 70 Det. descr. : Send single command to set H mixer magnet current	HC096289  209715215 <dec> 8.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191  Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289  209715215 <dec> 7.76 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747747 <dec> - 0.148445428374019 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747747 <dec> 0.69724415476739 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097827 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                 HP438194 HL_LSU_offset              HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                 HP332194 HL_M2_3B_V                 HP333194 HL_M3_3B_V                 HP334194 HL_Gate1_3B_V              HP335194 HL_Gate2_3B_V              HP336194  HL_Drain1_3B_V             HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V             HP338194 HL_Curlim2                  HP291194 HL_macro_checksum          HP440194  <i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097827 <dec> 21 <dec> 4062268921 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 883 V 884 V 885 V 886 V 887 V  888 v 889 890 v 891 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  <i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254341 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254341 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254341 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C          HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254342 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C          HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254342 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254342 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747748 <dec> - 0.148445428374019 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747748 <dec> 0.69724415476739 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097828 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097828 <dec> 21 <dec> 4062268921 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 892 V 893 V 894 V 895 V 896 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254344 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254344 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254344 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747749 <dec> - 0.148445428374019 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747749 <dec> 0.69724415476739 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  <b>HIFI_HL_Normal</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097829 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  <b>HIFI_Conf_nom_LCU_ch3b</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097829 <dec> 21 <dec> 4062268921 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 901 V 902 V 903 V 904 V 905 V  906 V 907 908 V 909 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  <b>HIFI_LCU_all_tuning_hk</b>  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  <b>HIFI_CH1_DPACT_C</b>  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254345 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254345 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254345 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254346 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254346 <dec> 2.24 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254346 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747750 <dec> - 0.148445428374019 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747750 <dec> 0.69724415476739 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097830 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097830 <dec> 21 <dec> 4062268921 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 910 V 911 V 912 V 913 V 914 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254348 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  213254348 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  Command Parameter(s) : HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C          HP175191 HF_CV1_DPACT0_C          HP190191 HIF_dpact_step_C          HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254348 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  238747751 <dec> - 0.148445428374019 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289  238747751 <dec> 0.69724415476739 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097831 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097831 <dec> 21 <dec> 4062268921 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 919 V 920 V 921 V 922 V 923 V  924 V 925 926 V 927 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254349 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254349 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254349 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254350 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254350 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HIF_Nsteps                  HP054197 HIF_step_time              HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C           HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254350 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C              HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747752 <dec> - 0.148445428374019 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HF_CV1_DPACT_C              HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747752 <dec> 0.69724415476739 mA	
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197  <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097832 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  <i>Command Parameter(s) :</i> HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset               HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V               HP335194 HL_Gate2_3B_V               HP336194	HC040289  257097832 <dec> 21 <dec> 4062268921 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 928 V 929 V 930 V 931 V 932 V	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254352 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254352 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time       HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C     HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254352 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  238747753 <dec> - 0.148445428374019 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  238747753 <dec> 0.69724415476739 mA	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal  HIFI_HL_Normal  Command Parameter(s) : HIFI_BB_ID                  HP001197  Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289  257097833 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b  HIFI_Conf_nom_LCU_ch3b  Command Parameter(s) : HIFI_BB_ID                  HP001197 HL_freq_nx                  HP436194 HL_LSU_main                  HP438194 HL_LSU_offset                  HP439194 HL_D2_step                  HP437194 HL_PL_3B_C                  HP331194 HL_M1_3B_V                  HP332194 HL_M2_3B_V                  HP333194 HL_M3_3B_V                  HP334194 HL_Gate1_3B_V                  HP335194 HL_Gate2_3B_V                  HP336194  HL_Drain1_3B_V                  HP337194 HL_Curlim1                  HP290194 HL_Drain2_3B_V                  HP338194 HL_Curlim2                  HP291194 HL_macro_checksum                  HP440194  Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289  257097833 <dec> 21 <dec> 4062268921 <dec> 4063377896 <dec> 2 <dec> 0 A (Def) 937 V 938 V 939 V 940 V 941 V  942 V 943 944 V 945 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk  HIFI_LCU_all_tuning_hk  Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  Command Parameter(s) : HIFI_BB_ID                  HP001197 HF_CH1_DPACT_C                  HP174191  Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289  213254353 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254353 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  HIFI_scan_diplexer  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HIF_Nsteps          HP054197 HIF_step_time      HP055197 HF_CH1_DPACT0_C     HP175191 HF_CV1_DPACT0_C     HP190191 HIF_dpact_step_C    HP062191  <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254353 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.14	HIFI_CH1_DPACT_C  HIFI_CH1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CH1_DPACT_C      HP174191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current	HC097289  213254354 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C  HIFI_CV1_DPACT_C  <i>Command Parameter(s) :</i> HIFI_BB_ID          HP001197 HF_CV1_DPACT_C      HP189191  <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289  213254354 <dec> 2.24 mA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer  <b>HIFI_scan_diplexer</b>  Command Parameter(s) : HIFI_BB_ID                   HP001197 HIF_Nsteps                   HP054197 HIF_step_time                HP055197 HF_CH1_DPACT0_C            HP175191 HF_CV1_DPACT0_C            HP190191 HIF_dpact_step_C            HP062191  Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan	HC106289  213254354 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_Housekeeping_on  <b>HIFI_Housekeeping_on</b>  Command Parameter(s) : HIF_HK_rate                   HP012197 HIF_FCU_S                    HP006197 HIF_LCU_S                    HP007197 HIF_WBSV_S                    HP009197 HIF_WBSH_S                    HP008197 HIF_HRSV_S                    HP011197 HIF_HRSH_S                    HP010197  Subsch. ID : 70 Det. descr. : Sets periodic housekeeping packet generation period	HC016289  1_pkt_per_4_s ON (Def) ON (Def) ON (Def) ON (Def) ON (Def) ON (Def)	
6		Set default OBSID/BBID		Next Step: END
	ET=+ UT=+00.00.01	HIFI_Set_OBS_ID  <b>HIFI_Set_OBS_ID</b>  Command Parameter(s) : HIFI_BB_ID                    HP001197 HIFI_OBS_ID                    HP000197  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 70 Det. descr. : Set Observation-ID and Building-Block-ID	HC014289  0 <hex> (Def) 0 <hex> (Def)	
		Verify Telemetry  BB_ID_per_hk                   HM004190	= 0 <hex>	AND=ZAZ9C999
		Verify Telemetry  OBS_ID_per_hk                  HM003190	= 0 <hex>	AND=ZAZ9C999
<b>End of Procedure</b>				