

HIFI-COP-3-Spur_B3b_1
 File: H_COP_HIF_SP31.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to address the issue of the LO spectral purity in some areas of the tuneable range of the LO sub-band 3b.

Based on procedure:
 HIFI-COP-3-Spur_B3b_3 (v2)

Summary of Constraints

Success of HIFI-COP-2 is a pre-requisite, with particular emphasis on the updates of the diplexer model following HIFI-2.2-DipCal2.
 This test must be witnessed by instrument experts since the values taken by the parameter varied here are critical for the health of the LO S/S.

RT Science must be enabled

Spacecraft Configuration

Start of Procedure

HIFI is in STANDBY mode

End of Procedure

HIFI is in STANDBY mode

Reference File(s)

Input Command Sequences

Output Command Sequences

HCHSP31X
 HCHSP31Y

Referenced Displays

ANDs GRDs SLDs
 ZAZ9C999

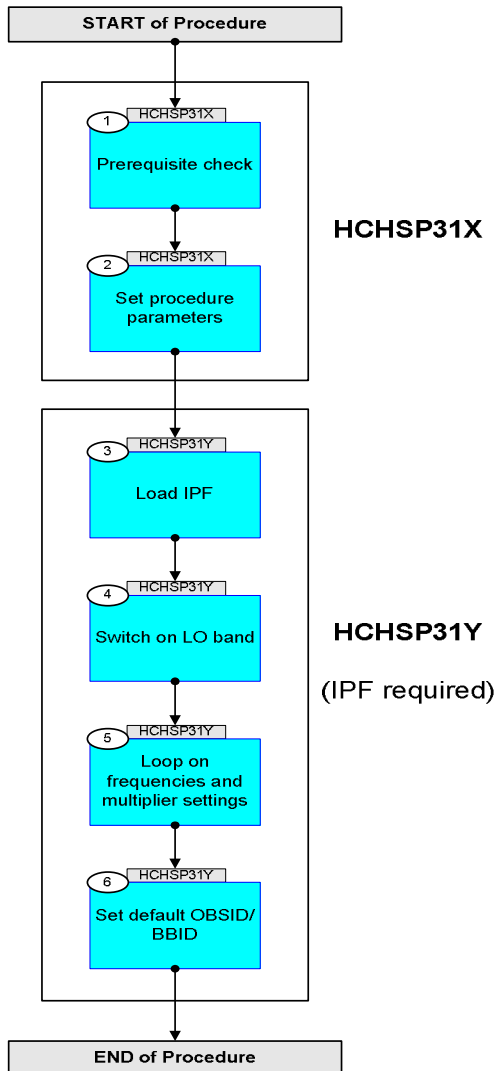
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
14/04/09	2.3	1	Created	R. Biggins	
02/06/09		2	- ET imes removed from all commands - Some FP descriptions updated (due to MOIS import errors)	R. Biggins	
11/06/09	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																					
	ET=+ UT=+00.00.00	<p>HIFI_Housekeeping_on</p> <p style="text-align: center;">HIFI_Housekeeping_on</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 TM(3,25) packets should be produced once every second:</p> <p>HIFI_essential_HK (APID 1024) HIFI_HK_rev_7 (APID 1026)</p>																							
<p>TC Seq. Name :HCHSP31Y (Diplexer 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>HCHSP31Y_SPUR_B3B_vvvv.IPF</p>																							
4		Switch on LO band		Next Step: 5																					
	ET=+ UT=+00.00.01	<p>HIFI_HL_Normal</p> <p style="text-align: center;">HIFI_HL_Normal</p> <p>Command Parameter(s) :</p> <table border="0"> <tr> <td>HIFI_BB_ID</td> <td>HP001197</td> <td>237633537 <dec></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 237043713 <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_CHFP2 HP216191 149 <dec> HF_CPR_Cal_Heater_C HP217191 1.1 mA HF_CH1_MXBIAS_V HP172191 2.31777777777777 HF_CH1_MX_MG_C HP173191 mV HF_CV1_MXBIAS_V HP187191 15 mA HF_CV1_MX_MG_C HP188191 2.31777777777777 HF_P_Chopper_Rot HP454191 mV HF_CH1_DFACT_C HP174191 15 mA HF_CV1_DFACT_C HP189191 -1.07 V -0.91417440986824 mA - 5.22448051583993E- 02 mA		
		Subsch. ID : 70		
		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 <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CH1_MX_MG_C HP173191 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set H mixer magnet current	HC096289 209715201 <dec> 8.3 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V mixer magnet current	HC099289 209715201 <dec> 8.2 mA	
	ET=+ UT=+00.00.01	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 238747649 <dec> -0.91417440986824 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 238747649 <dec> - 5.22448051583993E- 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 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 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 257097729 <dec> 17 <dec> 4062276080 <dec> 4063377889 <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 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 213254145 <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 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> -0.91417440986824 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> - 5.22448051583993E- 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 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> 17 <dec> 4062276080 <dec> 4063377889 <dec> 2 <dec> 0.0 A (Def) 10 11 12 13 14 15 16 17 18 1 <dec>	

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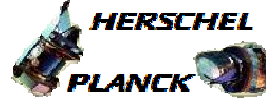
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 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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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 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> -0.91417440986824 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> - 5.22448051583993E-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 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> 17 <dec> 4062276080 <dec> 4063377889 <dec> 2 <dec> 0.0 A (Def) 19 20 21 22 23 24 25 26 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 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 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 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 213254150 <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 213254150 <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 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> -0.91417440986824 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> - 5.22448051583993E- 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 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> 17 <dec> 4062276080 <dec> 4063377889 <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 <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 213254152 <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 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 <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 238747653 <dec> -0.91417440986824 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 238747653 <dec> - 5.22448051583993E-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 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> 17 <dec> 4062276080 <dec> 4063377889 <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> -0.91417440986824 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> - 5.22448051583993E- 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 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> 17 <dec> 4062276080 <dec> 4063377889 <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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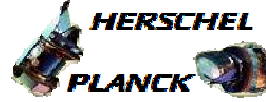
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 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> -0.91417440986824 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> - 5.22448051583993E-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 257097735 <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 257097735 <dec> 17 <dec> 4062276080 <dec> 4063377889 <dec> 2 <dec> 0.0 A (Def) 55 56 57 58 59 60 61 62 63 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 213254157 <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 213254157 <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 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 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 213254158 <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 213254158 <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 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)	
	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 2.324444444444444 mV 15 mA 2.324444444444444 mV 15 mA -1.07 V 0.654318388195235 mA - 0.199942247446081 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> 8.3 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> 8.2 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> 0.654318388195235 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> - 0.199942247446081 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> 17 <dec> 4062275320 <dec> 4063377639 <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 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 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 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 238747657 <dec> 0.654318388195235 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 238747657 <dec> - 0.199942247446081 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 257097737 <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 257097737 <dec> 17 <dec> 4062275320 <dec> 4063377639 <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
		<pre> 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 </pre>	<pre> 78 V 79 80 V 81 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets </pre>	HC193289	
	ET=+ UT=+00.00.02	<pre> 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 </pre>	<pre> HC097289 213254161 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> 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 </pre>	<pre> HC100289 213254161 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> 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 </pre>	<pre> HC106289 213254161 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> 0.654318388195235 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> - 0.199942247446081 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> 17 <dec> 4062275320 <dec> 4063377639 <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 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 213254163 <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 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 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 213254164 <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 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 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 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 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 238747659 <dec> 0.654318388195235 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 238747659 <dec> - 0.199942247446081 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 257097739 <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 257097739 <dec> 17 <dec> 4062275320 <dec> 4063377639 <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
		<pre> HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194 </pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre> 96 v 97 98 v 99 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk </pre> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<pre> HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	HC097289 213254165 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	<pre> HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	HC100289 213254165 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	<pre> HIFI_scan_diplexer HIFI_scan_diplexer </pre> <p>Command Parameter(s) :</p> <pre> 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 </pre> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	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> 0.654318388195235 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> - 0.199942247446081 mA	

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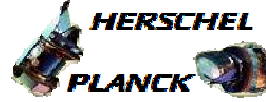
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal HIFI_HL_Normal <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 <i>Subsch. ID : 70</i> Det. descr. : Send single command to switch LCU to normal mode	HC082289 257097740 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b 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 257097740 <dec> 17 <dec> 4062275320 <dec> 4063377639 <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 <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 213254167 <dec> 2.24 mA	

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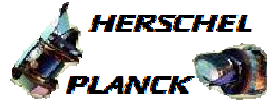
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289 213254167 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	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 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 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 213254168 <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 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> 0.654318388195235 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> - 0.199942247446081 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> 17 <dec> 4062275320 <dec> 4063377639 <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 213254169 <dec> HF_CH1_DPACT_C HP174191 2.24 mA Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 213254169 <dec> HF_CV1_DPACT_C HP189191 2.24 mA Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer Command Parameter(s) : HIFI_BB_ID HP001197 213254169 <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	

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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> 0.654318388195235 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> - 0.199942247446081 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> 17 <dec> 4062275320 <dec> 4063377639 <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 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 213254172 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	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 209715203 <dec> 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_MX BAND 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 209715203 <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 2.331111111111111 mV 15 mA 2.331111111111111 mV 15 mA -1.07 V 0.477383087400679 mA - 0.344316821793418 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> 8.3 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> 8.2 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> 0.477383087400679 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> - 0.344316821793418 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> 4062275315 <dec> 4063377897 <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 <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 213254173 <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 213254173 <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 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 <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 213254174 <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 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> 0.477383087400679 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> - 0.344316821793418 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> 4062275315 <dec> 4063377897 <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
		<pre> HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194 </pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre> 141 v 142 143 v 144 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk </pre> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<pre> HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C </pre> <p>Command Parameter(s) : <pre> HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 </pre> </p> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	<pre> HC097289 213254175 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C </pre> <p>Command Parameter(s) : <pre> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 </pre> </p> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	<pre> HC100289 213254175 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> HIFI_scan_diplexer HIFI_scan_diplexer </pre> <p>Command Parameter(s) : <pre> 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 </pre> </p> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	<pre> HC106289 213254175 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> 0.477383087400679 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> - 0.344316821793418 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 257097745 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097745 <dec> HL_freq_nx HP436194 17 <dec> HL_LSU_main HP438194 4062275315 <dec> HL_LSU_offset HP439194 4063377897 <dec> HL_D2_step HP437194 2 <dec> HL_PL_3B_C HP331194 0.0 A (Def) HL_M1_3B_V HP332194 145 HL_M2_3B_V HP333194 146 HL_M3_3B_V HP334194 147 HL_Gate1_3B_V HP335194 148 HL_Gate2_3B_V HP336194 149 HL_Drain1_3B_V HP337194 150 HL_Curlim1 HP290194 151 HL_Drain2_3B_V HP338194 152 HL_Curlim2 HP291194 153 HL_macro_checksum HP440194 1 <dec> Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289 257097745 <dec> 17 <dec> 4062275315 <dec> 4063377897 <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 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 213254177 <dec> HF_CH1_DPACT_C HP174191 2.24 mA Subsch. ID : 70 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 <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 213254177 <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 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 <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 213254178 <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 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> 0.477383087400679 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> - 0.344316821793418 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> 4062275315 <dec> 4063377897 <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 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 213254179 <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 213254179 <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 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 <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 213254180 <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 213254180 <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 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 <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 238747667 <dec> 0.477383087400679 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 238747667 <dec> - 0.344316821793418 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 257097747 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097747 <dec> HL_freq_nx HP436194 17 <dec> HL_LSU_main HP438194 4062275315 <dec> HL_LSU_offset HP439194 4063377897 <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> 4062275315 <dec> 4063377897 <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 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 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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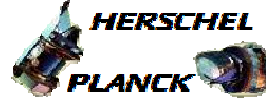
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289 213254181 <dec> 2.24 mA	
	ET=+ 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> 0.477383087400679 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> - 0.344316821793418 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> 4062275315 <dec> 4063377897 <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
		<pre> HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194 </pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre> 177 v 178 179 v 180 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk </pre> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<pre> HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C </pre> <p>Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191</p> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	<pre> HC097289 213254183 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C </pre> <p>Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191</p> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	<pre> HC100289 213254183 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> HIFI_scan_diplexer HIFI_scan_diplexer </pre> <p>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</p> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	<pre> HC106289 213254183 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> 0.477383087400679 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> - 0.344316821793418 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> 4062275315 <dec> 4063377897 <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 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 213254185 <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 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 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 213254186 <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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU Command Parameter(s) : HIFI_BB_ID HP001197 209715204 <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 2.33777777777777 mV 15 mA 2.33777777777777 mV 15 mA -1.07 V 0.300447786606139 mA -0.48869139614074 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> 8.3 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> 8.2 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> 0.300447786606139 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> -0.48869139614074 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> 4062274802 <dec> 4063377894 <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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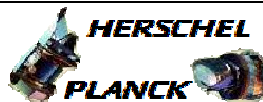
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289 213254187 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	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> 0.300447786606139 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> -0.48869139614074 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> 4062274802 <dec> 4063377894 <dec> 2 <dec> 0.0 A (Def) 199 200 201 202 203	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194</p> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	204 205 206 207 1 <dec>	
	ET=+ UT=+00.00.06	<p>HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk</p> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<p>HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C</p> <p>Command Parameter(s) : HIFI_BB_ID HP001197 213254189 <dec> HF_CH1_DPACT_C HP174191 2.24 mA</p> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	HC097289 213254189 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	<p>HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C</p> <p>Command Parameter(s) : HIFI_BB_ID HP001197 213254189 <dec> HF_CV1_DPACT_C HP189191 2.24 mA</p> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	HC100289 213254189 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	<p>HIFI_scan_diplexer HIFI_scan_diplexer</p> <p>Command Parameter(s) : HIFI_BB_ID HP001197 213254189 <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</p> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	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> 0.300447786606139 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> -0.48869139614074 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> 4062274802 <dec> 4063377894 <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 <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 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 <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 238747673 <dec> 0.300447786606139 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 238747673 <dec> -0.48869139614074 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 257097753 <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 257097753 <dec> 17 <dec> 4062274802 <dec> 4063377894 <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> 0.300447786606139 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> -0.48869139614074 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> 4062274802 <dec> 4063377894 <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> 0.300447786606139 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> -0.48869139614074 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> 4062274802 <dec> 4063377894 <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 <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 213254198 <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 213254198 <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 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 <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 238747676 <dec> 0.300447786606139 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 238747676 <dec> -0.48869139614074 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> 4062274802 <dec> 4063377894 <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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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 2.35 mV 15 mA 2.35 mV 15 mA -1.07 V - 0.442265120539313 mA 0.402389076720157 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> 8.3 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> 8.2 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> - 0.442265120539313 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> 0.402389076720157 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> 19 <dec> 4062272757 <dec> 4063377894 <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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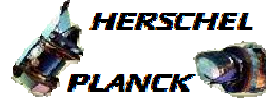
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289 213254201 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	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 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 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 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 238747678 <dec> - 0.442265120539313 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 238747678 <dec> 0.402389076720157 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 257097758 <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 257097758 <dec> 19 <dec> 4062272757 <dec> 4063377894 <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 <i>Subsch. ID : 70</i> 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 <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 213254203 <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 213254203 <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 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> - 0.442265120539313 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> 0.402389076720157 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 257097759 <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 257097759 <dec> 19 <dec> 4062272757 <dec> 4063377894 <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 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 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 <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 213254205 <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 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 <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 213254206 <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 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 <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 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 <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 238747680 <dec> - 0.442265120539313 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 238747680 <dec> 0.402389076720157 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 257097760 <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 257097760 <dec> 19 <dec> 4062272757 <dec> 4063377894 <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
		<pre> HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194 </pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre> 285 v 286 287 v 288 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk </pre> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<pre> HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	<pre> HC097289 213254207 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	<pre> HC100289 213254207 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> HIFI_scan_diplexer HIFI_scan_diplexer </pre> <p>Command Parameter(s) :</p> <pre> 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 </pre> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	<pre> HC106289 213254207 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> - 0.442265120539313 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> 0.402389076720157 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 257097761 <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 257097761 <dec> 19 <dec> 4062272757 <dec> 4063377894 <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 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 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 <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 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 <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 238747682 <dec> - 0.442265120539313 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 238747682 <dec> 0.402389076720157 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 257097762 <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 257097762 <dec> 19 <dec> 4062272757 <dec> 4063377894 <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
		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	303 V 304 305 V 306 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 213254211 <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 213254211 <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 213254211 <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 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> - 0.442265120539313 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> 0.402389076720157 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 257097763 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097763 <dec> HL_freq_nx HP436194 19 <dec> HL_LSU_main HP438194 4062272757 <dec> HL_LSU_offset HP439194 4063377894 <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> 19 <dec> 4062272757 <dec> 4063377894 <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 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 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 <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 213254213 <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 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 <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 213254214 <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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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	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 - 0.609675980068887 mA 0.251667599472404 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 209715206 <dec> 8.3 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 209715206 <dec> 8.2 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 238747684 <dec> - 0.609675980068887 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> 0.251667599472404 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> 19 <dec> 4062272244 <dec> 4063377891 <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> - 0.609675980068887 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> 0.251667599472404 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> 19 <dec> 4062272244 <dec> 4063377891 <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
		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	330 v 331 332 v 333 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 213254217 <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 213254217 <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 213254217 <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 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> - 0.609675980068887 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> 0.251667599472404 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 257097766 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097766 <dec> HL_freq_nx HP436194 19 <dec> HL_LSU_main HP438194 4062272244 <dec> HL_LSU_offset HP439194 4063377891 <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> 19 <dec> 4062272244 <dec> 4063377891 <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 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 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> - 0.609675980068887 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> 0.251667599472404 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> 19 <dec> 4062272244 <dec> 4063377891 <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
		<pre> 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 </pre>	<pre> 348 v 349 350 v 351 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets </pre>	HC193289	
	ET=+ UT=+00.00.02	<pre> 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 </pre>	<pre> HC097289 213254221 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> 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 </pre>	<pre> HC100289 213254221 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> 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 </pre>	<pre> HC106289 213254221 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> - 0.609675980068887 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> 0.251667599472404 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> 19 <dec> 4062272244 <dec> 4063377891 <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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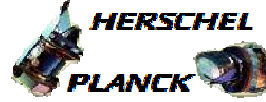
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289 213254223 <dec> 2.24 mA	
	ET=+ 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 <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 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 <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 238747689 <dec> - 0.609675980068887 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 238747689 <dec> 0.251667599472404 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 257097769 <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 257097769 <dec> 19 <dec> 4062272244 <dec> 4063377891 <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
		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	366 v 367 368 v 369 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 213254225 <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 213254225 <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 213254225 <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 <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 213254226 <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 213254226 <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 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 <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 238747690 <dec> - 0.609675980068887 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 238747690 <dec> 0.251667599472404 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> 19 <dec> 4062272244 <dec> 4063377891 <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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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	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 - 0.777086839598445 mA 0.100946122224665 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 209715207 <dec> 8.3 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> 8.2 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> - 0.777086839598445 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> 0.100946122224665 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> 19 <dec> 4062271730 <dec> 4063377641 <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> - 0.777086839598445 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> 0.100946122224665 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> 19 <dec> 4062271730 <dec> 4063377641 <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
		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	393 v 394 395 v 396 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 213254231 <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 213254231 <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 213254231 <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 <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> - 0.777086839598445 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> 0.100946122224665 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 257097773 <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 257097773 <dec> 19 <dec> 4062271730 <dec> 4063377641 <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 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 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 <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 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 <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 238747694 <dec> - 0.777086839598445 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 238747694 <dec> 0.100946122224665 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 257097774 <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 257097774 <dec> 19 <dec> 4062271730 <dec> 4063377641 <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
		<pre>HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194</pre> <p><i>Subsch. ID : 70</i> Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre>411 v 412 413 v 414 1 <dec></pre>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk <pre>HIFI_LCU_all_tuning_hk</pre> <p><i>Subsch. ID : 70</i> Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C <pre>HIFI_CH1_DPACT_C</pre> <p><i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191</p> <p><i>Subsch. ID : 70</i> Det. descr. : Send single command to set H diplexer current</p>	HC097289 <pre>213254235 <dec> 2.24 mA</pre>	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C <pre>HIFI_CV1_DPACT_C</pre> <p><i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191</p> <p><i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current</p>	HC100289 <pre>213254235 <dec> 2.24 mA</pre>	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer <pre>HIFI_scan_diplexer</pre> <p><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</p> <p><i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan</p>	HC106289 <pre>213254235 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA</pre>	

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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> - 0.777086839598445 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> 0.100946122224665 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> 19 <dec> 4062271730 <dec> 4063377641 <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 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 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 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 238747696 <dec> - 0.777086839598445 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 238747696 <dec> 0.100946122224665 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 257097776 <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 257097776 <dec> 19 <dec> 4062271730 <dec> 4063377641 <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
		<pre> HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194 </pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre> 429 v 430 431 v 432 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk </pre> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<pre> HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	<pre> HC097289 213254239 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	<pre> HC100289 213254239 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> HIFI_scan_diplexer HIFI_scan_diplexer </pre> <p>Command Parameter(s) :</p> <pre> 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 </pre> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	<pre> HC106289 213254239 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> - 0.777086839598445 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> 0.100946122224665 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 257097777 <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 257097777 <dec> 19 <dec> 4062271730 <dec> 4063377641 <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 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 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 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 213254241 <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 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 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 213254242 <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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU Command Parameter(s) : HIFI_BB_ID HP001197 209715208 <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 - 0.944497699128019 mA - 4.97753550230875E- 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 209715208 <dec> 8.3 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> 8.2 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> - 0.944497699128019 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> - 4.97753550230875E-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 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> 20 <dec> 4062271217 <dec> 4063377638 <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 <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 213254243 <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 213254243 <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 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 <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 213254244 <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 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 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 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 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 238747699 <dec> - 0.944497699128019 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 238747699 <dec> - 4.97753550230875E-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 257097779 <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 257097779 <dec> 20 <dec> 4062271217 <dec> 4063377638 <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
		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	456 V 457 458 V 459 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	HCI93289	
	ET=+ UT=+00.00.02	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 213254245 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	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 213254245 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	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 213254245 <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 <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 213254246 <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 213254246 <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 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 <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 238747700 <dec> - 0.944497699128019 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 238747700 <dec> - 4.97753550230875E- 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 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> 20 <dec> 4062271217 <dec> 4063377638 <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> - 0.944497699128019 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> - 4.97753550230875E-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 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> 20 <dec> 4062271217 <dec> 4063377638 <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
		<pre> 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 </pre>	<pre> 474 V 475 476 V 477 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets </pre>	HC193289	
	ET=+ UT=+00.00.02	<pre> 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 </pre>	<pre> HC097289 213254249 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> 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 </pre>	<pre> HC100289 213254249 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> 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 </pre>	<pre> HC106289 213254249 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> - 0.944497699128019 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> - 4.97753550230875E-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 257097782 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097782 <dec> HL_freq_nx HP436194 20 <dec> HL_LSU_main HP438194 4062271217 <dec> HL_LSU_offset HP439194 4063377638 <dec> HL_D2_step HP437194 2 <dec> HL_PL_3B_C HP331194 0 A (Def) HL_M1_3B_V HP332194 478 V HL_M2_3B_V HP333194 479 V HL_M3_3B_V HP334194 480 V HL_Gate1_3B_V HP335194 481 V HL_Gate2_3B_V HP336194 482 V HL_Drain1_3B_V HP337194 483 V HL_Curlim1 HP290194 484 HL_Drain2_3B_V HP338194 485 V HL_Curlim2 HP291194 486 HL_macro_checksum HP440194 1 <dec> Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289 257097782 <dec> 20 <dec> 4062271217 <dec> 4063377638 <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 213254251 <dec> HF_CH1_DPACT_C HP174191 2.24 mA Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289 213254251 <dec> 2.24 mA	

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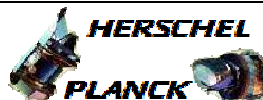
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289 213254251 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	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 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 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 213254252 <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 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 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 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 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 238747703 <dec> - 0.944497699128019 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 238747703 <dec> - 4.97753550230875E-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 257097783 <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 257097783 <dec> 20 <dec> 4062271217 <dec> 4063377638 <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
		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	492 v 493 494 v 495 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 213254253 <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 213254253 <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 213254253 <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 <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 213254254 <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 213254254 <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 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 <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 238747704 <dec> - 0.944497699128019 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 238747704 <dec> - 4.97753550230875E- 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 257097784 <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 257097784 <dec> 20 <dec> 4062271217 <dec> 4063377638 <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 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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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 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 0.602462908960972 mA - 0.193833795229149 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 209715209 <dec> 8.3 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> 8.2 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> 0.602462908960972 mA	

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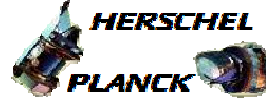
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289 238747705 <dec> - 0.193833795229149 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> 20 <dec> 4062270966 <dec> 4063377896 <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> 0.602462908960972 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> - 0.193833795229149 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> 20 <dec> 4062270966 <dec> 4063377896 <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 <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 213254260 <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 213254260 <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 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 <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 238747707 <dec> 0.602462908960972 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 238747707 <dec> - 0.193833795229149 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 257097787 <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 257097787 <dec> 20 <dec> 4062270966 <dec> 4063377896 <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 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 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 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 213254261 <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 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 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 213254262 <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 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 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 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 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 238747708 <dec> 0.602462908960972 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 238747708 <dec> - 0.193833795229149 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 257097788 <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 257097788 <dec> 20 <dec> 4062270966 <dec> 4063377896 <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
		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	537 v 538 539 v 540 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 213254263 <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 213254263 <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 213254263 <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 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> 0.602462908960972 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> - 0.193833795229149 mA	

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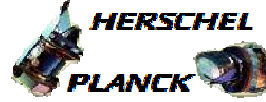
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal HIFI_HL_Normal Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289 257097789 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b 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> 20 <dec> 4062270966 <dec> 4063377896 <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> 0.602462908960972 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> - 0.193833795229149 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> 20 <dec> 4062270966 <dec> 4063377896 <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 <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 213254268 <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 213254268 <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 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 <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 238747711 <dec> 0.602462908960972 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 238747711 <dec> - 0.193833795229149 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 257097791 <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 257097791 <dec> 20 <dec> 4062270966 <dec> 4063377896 <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 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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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 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 0.428103219869569 mA - 0.336553709461264 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 209715210 <dec> 8.3 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> 8.2 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> 0.428103219869569 mA	

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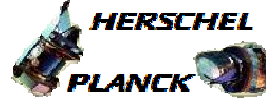
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289 238747712 <dec> - 0.336553709461264 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> 20 <dec> 4062270452 <dec> 4063377892 <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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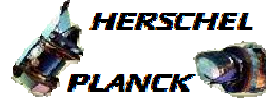
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191 <i>Subsch. ID : 70</i> 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> 0.428103219869569 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> - 0.336553709461264 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> 20 <dec> 4062270452 <dec> 4063377892 <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> 0.428103219869569 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> - 0.336553709461264 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> 20 <dec> 4062270452 <dec> 4063377892 <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 <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 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 <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 238747715 <dec> 0.428103219869569 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 238747715 <dec> - 0.336553709461264 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 257097795 <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 257097795 <dec> 20 <dec> 4062270452 <dec> 4063377892 <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
		<pre> HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194 </pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre> 600 V 601 602 V 603 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk </pre> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<pre> HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	<pre> HC097289 213254277 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C </pre> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	<pre> HC100289 213254277 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> HIFI_scan_diplexer HIFI_scan_diplexer </pre> <p>Command Parameter(s) :</p> <pre> 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 </pre> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	<pre> HC106289 213254277 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> 0.428103219869569 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> - 0.336553709461264 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> 20 <dec> 4062270452 <dec> 4063377892 <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> 0.428103219869569 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> - 0.336553709461264 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> 20 <dec> 4062270452 <dec> 4063377892 <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
		<pre> 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 </pre>	<pre> 618 v 619 620 v 621 1 <dec> </pre>	
	ET=+ UT=+00.00.06	<pre> HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets </pre>	HC193289	
	ET=+ UT=+00.00.02	<pre> 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 </pre>	<pre> HC097289 213254281 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.00	<pre> 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 </pre>	<pre> HC100289 213254281 <dec> 2.24 mA </pre>	
	ET=+ UT=+00.00.01	<pre> 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 </pre>	<pre> HC106289 213254281 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA </pre>	

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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> 0.428103219869569 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> - 0.336553709461264 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 257097798 <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 257097798 <dec> 20 <dec> 4062270452 <dec> 4063377892 <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 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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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 0.253743530778165 mA - 0.479273623693379 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> 8.3 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> 8.2 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> 0.253743530778165 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> - 0.479273623693379 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> 21 <dec> 4062269939 <dec> 4063377889 <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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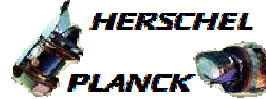
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289 213254285 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	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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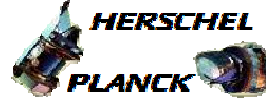
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_scan_diplexer HIFI_scan_diplexer <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HIF_Nsteps HP054197 HIF_step_time HP055197 HF_CH1_DPACT0_C HP175191 HF_CV1_DPACT0_C HP190191 HIF_dpact_step_C HP062191 <i>Subsch. ID : 70</i> 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> 0.253743530778165 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> - 0.479273623693379 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> 21 <dec> 4062269939 <dec> 4063377889 <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
		<pre> HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194 </pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	645 V 646 647 V 648 1 <dec>	
	ET=+ UT=+00.00.06	HIFI_LCU_all_tuning_hk <p style="text-align: center;">HIFI_LCU_all_tuning_hk</p> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	HIFI_CH1_DPACT_C <p style="text-align: center;">HIFI_CH1_DPACT_C</p> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	HC097289 213254287 <dec> 2.24 mA	
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C <p style="text-align: center;">HIFI_CV1_DPACT_C</p> <p>Command Parameter(s) :</p> <pre> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 </pre> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	HC100289 213254287 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	HIFI_scan_diplexer <p style="text-align: center;">HIFI_scan_diplexer</p> <p>Command Parameter(s) :</p> <pre> 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 </pre> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	HC106289 213254287 <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 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> 0.253743530778165 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> - 0.479273623693379 mA	

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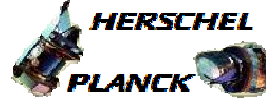
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_HL_Normal HIFI_HL_Normal Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Send single command to switch LCU to normal mode	HC082289 257097801 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b 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> 21 <dec> 4062269939 <dec> 4063377889 <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> 0.253743530778165 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> - 0.479273623693379 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> 21 <dec> 4062269939 <dec> 4063377889 <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
		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	663 V 664 665 V 666 1 <dec>	
	ET=+ UT=+00.00.06	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 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 213254291 <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 213254291 <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 213254291 <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 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> 0.253743530778165 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> - 0.479273623693379 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 257097803 <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 257097803 <dec> 21 <dec> 4062269939 <dec> 4063377889 <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 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 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 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 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 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 238747724 <dec> 0.253743530778165 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 238747724 <dec> - 0.479273623693379 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 257097804 <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 257097804 <dec> 21 <dec> 4062269939 <dec> 4063377889 <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
		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	681 v 682 683 v 684 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 213254295 <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 213254295 <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 213254295 <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 213254296 <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 213254296 <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 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 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 238747725 <dec> 0.253743530778165 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 238747725 <dec> - 0.479273623693379 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 257097805 <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 257097805 <dec> 21 <dec> 4062269939 <dec> 4063377889 <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 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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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 0.079383841686779 mA -0.62199353792548 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> 8.3 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> 8.2 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> 0.079383841686779 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> -0.62199353792548 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> 21 <dec> 4062269426 <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 <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 213254299 <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 213254299 <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 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 <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 213254300 <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 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 <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 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 <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 238747727 <dec> 0.079383841686779 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 238747727 <dec> -0.62199353792548 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 257097807 <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 257097807 <dec> 21 <dec> 4062269426 <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
		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	708 v 709 710 v 711 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 213254301 <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 213254301 <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 213254301 <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 <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 213254302 <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 213254302 <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 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 <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 238747728 <dec> 0.079383841686779 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 238747728 <dec> -0.62199353792548 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 257097808 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097808 <dec> HL_freq_nx HP436194 21 <dec> HL_LSU_main HP438194 4062269426 <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> 21 <dec> 4062269426 <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 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 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 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 213254303 <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 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 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 213254304 <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 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 <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 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 <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 238747729 <dec> 0.079383841686779 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 238747729 <dec> -0.62199353792548 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 257097809 <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 257097809 <dec> 21 <dec> 4062269426 <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
		<pre>HL_Drain1_3B_V HP337194 HL_Curlim1 HP290194 HL_Drain2_3B_V HP338194 HL_Curlim2 HP291194 HL_macro_checksum HP440194</pre> <p>Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b</p>	<pre>726 v 727 728 v 729 1 <dec></pre>	
	ET=+ UT=+00.00.06	<pre>HIFI_LCU_all_tuning_hk HIFI_LCU_all_tuning_hk</pre> <p>Subsch. ID : 70 Det. descr. : Requests all five LCU intermediate housekeeping-sets</p>	HC193289	
	ET=+ UT=+00.00.02	<pre>HIFI_CH1_DPACT_C HIFI_CH1_DPACT_C</pre> <p>Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DPACT_C HP174191</p> <p>Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current</p>	<pre>HC097289 213254305 <dec> 2.24 mA</pre>	
	ET=+ UT=+00.00.00	<pre>HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C</pre> <p>Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191</p> <p>Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current</p>	<pre>HC100289 213254305 <dec> 2.24 mA</pre>	
	ET=+ UT=+00.00.01	<pre>HIFI_scan_diplexer HIFI_scan_diplexer</pre> <p>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</p> <p>Subsch. ID : 70 Det. descr. : Specifies and start an FCU-diplexer scan</p>	<pre>HC106289 213254305 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA</pre>	

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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> 0.079383841686779 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> -0.62199353792548 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 257097810 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097810 <dec> HL_freq_nx HP436194 21 <dec> HL_LSU_main HP438194 4062269426 <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> 21 <dec> 4062269426 <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 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 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 <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 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 <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 238747731 <dec> 0.079383841686779 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 238747731 <dec> -0.62199353792548 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 257097811 <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 257097811 <dec> 21 <dec> 4062269426 <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
		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	744 v 745 746 v 747 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 213254309 <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 213254309 <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 213254309 <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 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> 0.079383841686779 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> -0.62199353792548 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 257097812 <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 257097812 <dec> 21 <dec> 4062269426 <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 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 213254311 <dec> 2.24 mA	

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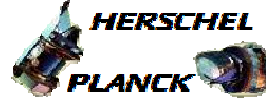
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289 213254311 <dec> 2.24 mA	
	ET=+ 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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 - 9.34127245508994E-02 mA 0.746883952095807 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> 8.3 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> 8.2 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> - 9.34127245508994E-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 238747733 <dec> 0.746883952095807 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> 4062269174 <dec> 4063377897 <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> - 9.34127245508994E-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 238747734 <dec> 0.746883952095807 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> 4062269174 <dec> 4063377897 <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
		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	771 v 772 773 v 774 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 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	HC097289 213254315 <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 <i>Subsch. ID : 70</i> Det. descr. : Send single command to set V diplexer current	HC100289 213254315 <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 <i>Subsch. ID : 70</i> Det. descr. : Specifies and start an FCU-diplexer scan	HC106289 213254315 <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 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> - 9.34127245508994E-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 238747735 <dec> 0.746883952095807 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 257097815 <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 257097815 <dec> 21 <dec> 4062269174 <dec> 4063377897 <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 <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 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 <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 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 <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 238747736 <dec> - 9.34127245508994E-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 238747736 <dec> 0.746883952095807 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 257097816 <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 257097816 <dec> 21 <dec> 4062269174 <dec> 4063377897 <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
		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	789 v 790 791 v 792 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 213254319 <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 213254319 <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 213254319 <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 <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 213254320 <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 213254320 <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 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 <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 238747737 <dec> - 9.34127245508994E-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 238747737 <dec> 0.746883952095807 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> 4062269174 <dec> 4063377897 <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 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 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 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 238747738 <dec> - 9.34127245508994E-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 238747738 <dec> 0.746883952095807 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 257097818 <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 257097818 <dec> 21 <dec> 4062269174 <dec> 4063377897 <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
		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	807 v 808 809 v 810 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 213254323 <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 213254323 <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 213254323 <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 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> - 9.34127245508994E-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 238747739 <dec> 0.746883952095807 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> 4062269174 <dec> 4063377897 <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 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 213254325 <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 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 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 213254326 <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 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 HIFI_scan_diplexer 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 HIFI_Configure_FCU_Power 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 HIFI_P_Configure_FCU 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_DFACT_C HP174191 HF_CV1_DFACT_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 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 209715214 <dec> 8.3 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 209715214 <dec> 8.2 mA	
	ET=+ UT=+00.00.01	HIFI_CH1_DFACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CH1_DFACT_C HP174191 Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HIFI_CH1_DFACT_C HC097289 238747740 <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 238747740 <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 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> 4062268921 <dec> 4063377896 <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> - 0.148445428374019 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 238747741 <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 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> 4062268921 <dec> 4063377896 <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> - 0.148445428374019 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 238747742 <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 257097822 <dec>	
	ET=+ UT=+00.00.01	HIFI_Conf_nom_LCU_ch3b HIFI_Conf_nom_LCU_ch3b Command Parameter(s) : HIFI_BB_ID HP001197 257097822 <dec> HL_freq_nx HP436194 21 <dec> HL_LSU_main HP438194 4062268921 <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 838 V HL_M2_3B_V HP333194 839 V HL_M3_3B_V HP334194 840 V HL_Gate1_3B_V HP335194 841 V HL_Gate2_3B_V HP336194 842 V HL_Drain1_3B_V HP337194 843 V HL_Curlim1 HP290194 844 HL_Drain2_3B_V HP338194 845 V HL_Curlim2 HP291194 846 HL_macro_checksum HP440194 1 <dec> Subsch. ID : 70 Det. descr. : Create macro-command to configure LCU band 3b	HC040289	
	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 213254331 <dec> HF_CH1_DPACT_C HP174191 2.24 mA Subsch. ID : 70 Det. descr. : Send single command to set H diplexer current	HC097289	

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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 213254331 <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 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 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 213254332 <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 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> - 0.148445428374019 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 238747743 <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 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> 4062268921 <dec> 4063377896 <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 <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 213254334 <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 213254334 <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 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 <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 238747744 <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 238747744 <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 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> 4062268921 <dec> 4063377896 <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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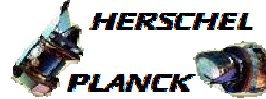
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_CV1_DPACT_C HIFI_CV1_DPACT_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_DPACT_C HP189191 Subsch. ID : 70 Det. descr. : Send single command to set V diplexer current	HC100289 213254335 <dec> 2.24 mA	
	ET=+ UT=+00.00.01	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 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 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 213254336 <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 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 <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 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 <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 238747745 <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 238747745 <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 257097825 <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 257097825 <dec> 21 <dec> 4062268921 <dec> 4063377896 <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 <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 213254338 <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 213254338 <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 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 <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 238747746 <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 238747746 <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 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> 4062268921 <dec> 4063377896 <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 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 213254340 <dec> 61 <dec> 0.1 s 2.24 mA 2.24 mA -0.073 mA	
	ET=+ UT=+00.00.10	HIFI_Housekeeping_on HIFI_Housekeeping_on 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)	
		NOTE: At the end of this test, the standard LCU safety table should be uploaded again.		
6		Set default OBSID/BBID		Next Step: END
	ET=+ UT=+00.00.00	HIFI_Set_OBS_ID HIFI_Set_OBS_ID 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

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
End of Procedure				