

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to execute a functional test on the Wide Band Spectrometer (WBS) or the PRIME units

- Set FPU to band 0
- Zero WBS without Laser
- Execute tests with Laser 1
- Execute tests with Laser 2

Based on procedure:
 HifiEng_WBS_FT_COP (v6)

Summary of Constraints

Real-time science packets should be enabled for downlink for HIFI analysis

Spacecraft Configuration

Start of Procedure

End of Procedure

Reference File(s)

Input Command Sequences

Output Command Sequences
 HCHNFWB

Referenced Displays

ANDs	GRDs	SLDs
ZAZ9C999		
ZAZ9D999		

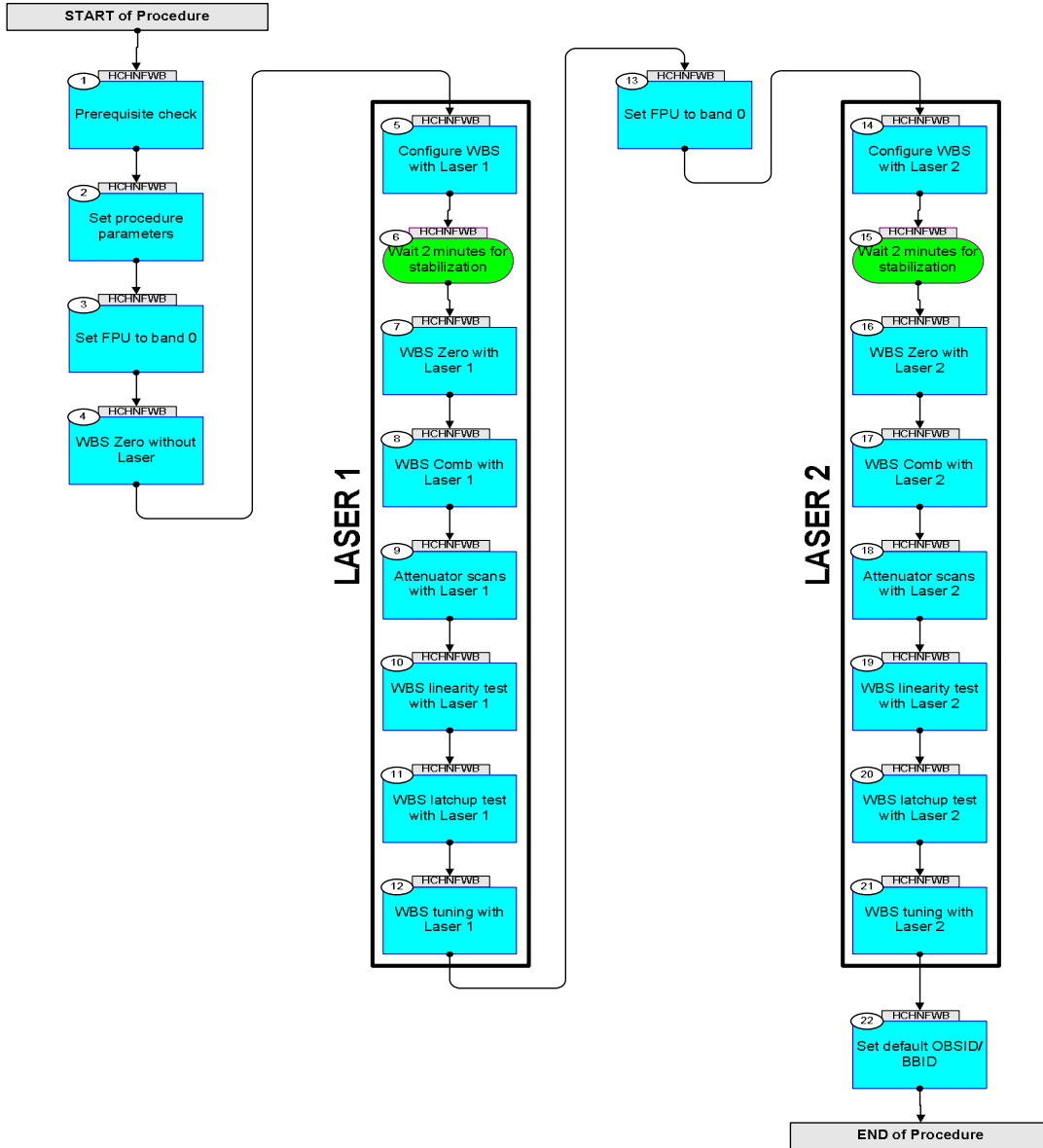
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
17/08/09	2.5	1	Created	R. Biggins	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Procedure Flowchart Overview



WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name : HCHNFWB (WBS Functional Test)				
TimeTag Type: B Sub Schedule ID: □				
1		Prerequisite check		Next Step: 2
1.1		HSC/ICC input		□
		Verify that the HSC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
2		Set procedure parameters		Next Step: 3
	ET=+00.00.01 UT=+00.00.01	HIFI_Set_OBS_ID Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_OBS_ID HP000197 Subsch. ID : 70 Det. descr. : Set Observation-ID and Building-Block-ID	HIFI_Set_OBS_ID HC014289	17700001 <hex> OBS_ID
		Verify Telemetry BB_ID_per_hk HM004190	= 17700001 <hex>	AND=ZAZ9C999
		Verify Telemetry OBS_ID_per_hk HM003190	OBS_ID	AND=ZAZ9C999
	ET=+00.00.00 UT=+00.00.00	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	HIFI_Housekeeping_on HC016289	1_pkt_per_s ON (Def) ON (Def) ON (Def) ON (Def) ON (Def) ON (Def)

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



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 0.5 mV 15.0 mA 0.5 mV 15.0 mA -1.07 V 0.0 mA 0.0 mA	
	ET=+00.00.03 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 1C200001 <hex> 0.5 mA	
	ET=+00.00.00 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 1C200001 <hex> 0.5 mA	
		Verify Telemetry BB_ID_per_hk HM004190	= 1C200001 <hex>	AND=ZAZ9C999
		Verify Telemetry HF_DH1_MXBAND HM005191	= 0 <dec>	AND=ZAZ9C999
		Verify Telemetry HF_DV1_MXBAND HM096191	= 0 <dec>	AND=ZAZ9C999
4		WBS Zero without Laser		Next Step: 5

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 E350001 <hex> OFF (Def) OFF (Def) 0 <dec> (Def) Levell 7 dB 7 dB 7 dB 7 dB 15 dB	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 E350001 <hex> OFF (Def) OFF (Def) 0 <dec> (Def) Levell 7 dB 7 dB 7 dB 7 dB 15 dB	
		Verify Telemetry HWH_Laser1_S HM017193	= OFF	AND=ZAZ9D999
		Verify Telemetry HWH_Laser2_S HM016193	= OFF	AND=ZAZ9D999
		Verify Telemetry HWV_Laser1_S HM056193	= OFF	AND=ZAZ9D999
		Verify Telemetry HWV_Laser2_S HM055193	= OFF	AND=ZAZ9D999
	ET=+00.00.01 UT=+00.00.01	HIFI_WBS_Zero HIFI_WBS_Zero Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Perform zero-measurement with WBS	HC147289 E140001 <hex>	
		Verify Telemetry BB_ID_per_hk HM004190	= 0E140001 <hex>	AND=ZAZ9C999

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.04 UT=+00.00.04	HIFI_WBS_Zero HIFI_WBS_Zero Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Perform zero-measurement with WBS	HC147289 E140002 <hex>	
		Verify Telemetry BB_ID_per_hk HM004190	= 0E140002 <hex>	AND=ZAZ9C999
5		Configure WBS with Laser 1		Next Step: 6
		The following TCs should be sent automatically with the defined time separation.		
	ET=+00.00.04 UT=+00.00.04	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 E350002 <hex> ON OFF (Def) 0 <dec> (Def) Level1 7 dB 7 dB 7 dB 7 dB 15 dB	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 E350002 <hex> ON OFF (Def) 0 <dec> (Def) Level1 7 dB 7 dB 7 dB 7 dB 15 dB	
		Verify Telemetry HWH_Laser1_S HM017193	= ON	AND=ZAZ9D999
		Verify Telemetry HWV_Laser1_S HM056193	= ON	AND=ZAZ9D999

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
6		Wait 2 minutes for stabilization		Next Step: 7
		NOTE: A 2 minute delta release time is already included in the next telecommand		
7		WBS Zero with Laser 1		Next Step: 8
	ET=+00.02.01 UT=+00.02.01	HIFI_WBS_Zero HIFI_WBS_Zero Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Perform zero-measurement with WBS	HC147289 E140003 <hex>	
8		WBS Comb with Laser 1		Next Step: 9
	ET=+00.00.04 UT=+00.00.04	HIFI_WBS_Zero HIFI_WBS_Zero Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Perform zero-measurement with WBS	HC147289 E140004 <hex>	
	ET=+00.00.04 UT=+00.00.04	HIFI_WBS_Comb HIFI_WBS_Comb Command Parameter(s) : HIFI_BB_ID HP001197 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Perform comb-measurement with WBS	HC148289 E150001 <hex> 0 dB (Def) 3 dB 1 dB 3 dB 10 dB 0 dB (Def) 2 dB 2 dB 3 dB 0 dB (Def)	
9		Attenuator scans with Laser 1		Next Step: 10

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 238682113 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 236322817 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876417 <dec> HWH_ZERO_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876417 <dec> HWH_ZERO_OFF	
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876417 <dec> HWH_COMB_OFF	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876417 <dec> HWV_COMB_OFF	
	ET=+00.00.02 UT=+00.00.02	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 8 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 7 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



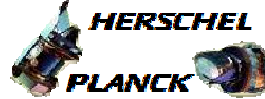
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 4 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 4 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876417 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876417 <dec> ON OFF (Def) 0 <dec> (Def) Levell 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941953 <dec> HWH_ZERO_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941953 <dec> HWV_ZERO_OFF	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941953 <dec> HWH_COMB_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941953 <dec> HWV_COMB_OFF	
	ET=+00.00.02 UT=+00.00.02	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 7 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



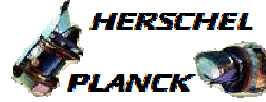
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 6 <dec> 6 <dec> 6 <dec> 6 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 6 <dec> 6 <dec> 6 <dec> 6 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 5 <dec> 5 <dec> 5 <dec> 5 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 5 <dec> 5 <dec> 5 <dec> 5 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 4 <dec> 4 <dec> 4 <dec> 4 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 4 <dec> 4 <dec> 4 <dec> 4 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 3 <dec> 3 <dec> 3 <dec> 3 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 3 <dec> 3 <dec> 3 <dec> 3 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 2 <dec> 2 <dec> 2 <dec> 2 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 2 <dec> 2 <dec> 2 <dec> 2 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Levell 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Levell 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941953 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941953 <dec> ON OFF (Def) 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
10		WBS linearity test with Laser 1		Next Step: 11
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 E7C0001 <hex> HWH_ZERO_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 243007489 <dec> HWH_ZERO_OFF	
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 243007489 <dec> HWH_COMB_OFF	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 243007489 <dec> HWV_COMB_OFF	
	ET=+00.00.02 UT=+00.00.02	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 14 <dec>	
		Subsch. ID : 70 Det. descr. : Configure WBS-H		

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 13 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 13 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 12 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	
		Subsch. ID : 70 Det. descr. : Configure WBS-H		

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 11 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 11 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 9 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



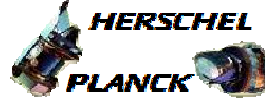
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 8 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 8 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



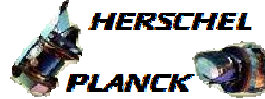
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 8 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 8 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 7 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 7 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 7 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 7 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 6 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 6 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 5 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 5 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 4 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 4 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



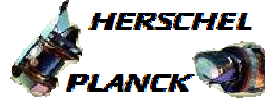
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 3 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 3 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 2 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 2 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007489 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007489 <dec> ON OFF (Def) 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
11		WBS latchup test with Laser 1		Next Step: 12
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 E710001 <hex> ON OFF (Def) 0 <dec> (Def) Level2 (Def) 0 dB (Def) 3 dB 1 dB 3 dB 10 dB	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242286593 <dec> ON OFF (Def) 0 <dec> (Def) Level2 (Def) 0 <dec> (Def) 2 <dec> 2 <dec> 3 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry HWH_LUP_level_S HM018193	= High	AND=ZAZ9D999
		Verify Telemetry HWV_LUP_level_S HM057193	= High	AND=ZAZ9D999
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 E71002 <hex> ON OFF (Def) 0 <dec> (Def) Level1 0 dB (Def) 3 dB 1 dB 3 dB 10 dB	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242286594 <dec> ON OFF (Def) 0 <dec> (Def) Level1 0 <dec> (Def) 2 <dec> 2 <dec> 3 <dec> 0 <dec> (Def)	
		Verify Telemetry HWH_LUP_level_S HM018193	= Low	AND=ZAZ9D999
		Verify Telemetry HWV_LUP_level_S HM057193	= Low	AND=ZAZ9D999
12		WBS tuning with Laser 1		Next Step: 13
		The following TCs should be sent automatically with the defined time separation.		

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Det. descr. : Configure the FCU-subsystem (prime)		
	ET=+00.00.03 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 471859202 <dec> 5.5 mA	
	ET=+00.00.00 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 471859202 <dec> 10.8 mA	
		Verify Telemetry HF_DH1_MXBAND HM005191	= 5 <dec>	AND=ZAZ9C999
		Verify Telemetry HF_DV1_MXBAND HM096191	= 5 <dec>	AND=ZAZ9C999
	ET=+00.00.01 UT=+00.00.01	HIFI_Tune_WBS HIFI_Tune_WBS Command Parameter(s) : HIFI_BB_ID HP001197 HIF_WBS_tune_target HP074197 Subsch. ID : 70 Det. descr. : Find optimal setting for WBS attenuators	HC144289 E130001 <hex> 80 <dec>	
	ET=+00.00.10 UT=+00.00.10	HIFI_config_spectroscopy HIFI_config_spectroscopy Command Parameter(s) : HIFI_BB_ID HP001197 HIF_N_WBS_START HP021197 HIF_R_HRS HP022197 HIF_N_WBS_INTEGR HP023197 HIF_N_HRS_INTEGR HP024197 HIF_DEL_HRS HP025197 HIF_DEL_WBS HP026197 HIF_T_ACC_WBS HP027197 HIF_T_ACC_HRS HP028197 HIF_WBSH_OFFSET1 HP029197 HIF_WBSH_WIDTH1 HP030197	HC150289 0 <dec> (Def) 4 <dec> 1 <dec> (Def) 2 <dec> 2 <dec> 2 <dec> 4 <dec> 945 <dec> 929 <dec> 36 <dec> 1976 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HIF_WBSH_OFFSET2 HP031197 HIF_WBSH_WIDTH2 HP032197 HIF_WBSH_OFFSET3 HP033197 HIF_WBSH_WIDTH3 HP034197 HIF_WBSH_OFFSET4 HP035197 HIF_WBSH_WIDTH4 HP036197 HIF_WBSV_OFFSET1 HP037197 HIF_WBSV_WIDTH1 HP038197 HIF_WBSV_OFFSET2 HP039197 HIF_WBSV_WIDTH2 HP040197 HIF_WBSV_OFFSET3 HP041197 HIF_WBSV_WIDTH3 HP042197 HIF_WBSV_OFFSET4 HP043197 HIF_WBSV_WIDTH4 HP044197 HIF_HRS_RSHIFT HP045197 HIF_WBS_RSHIFT HP046197 HIF_HRSH_SEL HP047197 HIF_HRSV_SEL HP048197 HIF_WBS_packing HP049197 Subsch. ID : 70 Det. descr. : Specify parameters for next spectroscopy measurement	2084 <dec> 1976 <dec> 4132 <dec> 1976 <dec> 6180 <dec> 1976 <dec> 36 <dec> 1976 <dec> 2084 <dec> 1976 <dec> 4132 <dec> 1976 <dec> 6180 <dec> 1976 <dec> 0 <dec> (Def)	
	ET=+00.00.00 UT=+00.00.00	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 236322818 <dec>	
13		Set FPU to band 0		Next Step: 14
		The following TCs should be sent automatically with the defined time separation.		
	ET=+00.00.07 UT=+00.00.07	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 471859203 <dec> ON (Def) ON (Def) ON (Def) ON (Def) ON (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



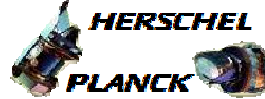
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET+=00.00.00 UT+=00.00.00	HIFI_CV1_MX_MG_C HIFI_CV1_MX_MG_C Command Parameter(s) : HIFI_BB_ID HP001197 HF_CV1_MX_MG_C HP188191 Subsch. ID : 70 Det. descr. : Send single command to set V mixer magnet current	HC099289 471859203 <dec> 0.5 mA	
		Verify Telemetry HF_DH1_MXBAND HM005191	= 0 <dec>	AND=ZAZ9C999
		Verify Telemetry HF_DV1_MXBAND HM096191	= 0 <dec>	AND=ZAZ9C999
14		Configure WBS with Laser 2		Next Step: 15
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 238354435 <dec> OFF (Def) ON 0 <dec> (Def) Level1 7 dB 7 dB 7 dB 7 dB 15 dB	
	ET+=00.00.00 UT+=00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 238354435 <dec> OFF (Def) ON 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
		Verify Telemetry HWH_Laser2_S HM016193	= ON	AND=ZAZ9D999

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 238682114 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 236322819 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876418 <dec> HWH_ZERO_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876418 <dec> HWH_ZERO_OFF	
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876418 <dec> HWH_COMB_OFF	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242876418 <dec> HWV_COMB_OFF	
	ET=+00.00.02 UT=+00.00.02	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 8 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 8 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 7 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



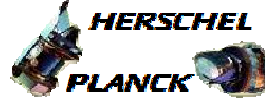
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 7 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



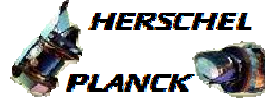
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 4 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 4 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242876418 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242876418 <dec> OFF (Def) ON 0 <dec> (Def) Levell 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941954 <dec> HWH_ZERO_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941954 <dec> HWV_ZERO_OFF	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941954 <dec> HWH_COMB_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 242941954 <dec> HWV_COMB_OFF	
	ET=+00.00.02 UT=+00.00.02	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 7 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



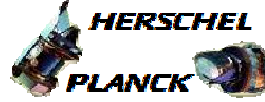
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 6 <dec> 6 <dec> 6 <dec> 6 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 6 <dec> 6 <dec> 6 <dec> 6 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 5 <dec> 5 <dec> 5 <dec> 5 <dec> 5 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 5 <dec> 5 <dec> 5 <dec> 5 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 4 <dec> 4 <dec> 4 <dec> 4 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 4 <dec> 4 <dec> 4 <dec> 4 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 3 <dec> 3 <dec> 3 <dec> 3 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 3 <dec> 3 <dec> 3 <dec> 3 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 2 <dec> 2 <dec> 2 <dec> 2 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 2 <dec> 2 <dec> 2 <dec> 2 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Levell 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Levell 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 242941954 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



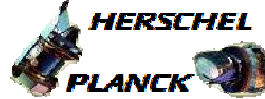
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242941954 <dec> OFF (Def) ON 0 <dec> (Def) Levell 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
19		WBS linearity test with Laser 2		Next Step: 20
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 243007490 <dec> HWH_ZERO_OFF	
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 243007490 <dec> HWH_ZERO_OFF	
	ET=+00.00.01 UT=+00.00.01	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 243007490 <dec> HWH_COMB_OFF	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



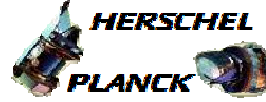
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	HIFI_Single_cmd HIFI_Single_cmd Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_cmd HP235197 Subsch. ID : 70 Det. descr. : Send a single command to LS command bus	HC102289 243007490 <dec> HWV_COMB_OFF	
	ET=+00.00.02 UT=+00.00.02	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 15 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 14 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 14 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 13 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



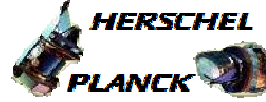
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 13 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 13 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 12 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 12 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 11 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 11 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 10 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 9 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 9 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 8 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 8 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 8 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 8 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 7 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 7 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 7 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 7 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 6 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 6 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 6 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



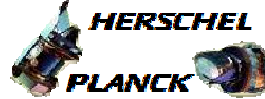
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET+=00.00.07 UT+=00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 5 <dec>	
	ET+=00.00.01 UT+=00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 5 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 5 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 4 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 4 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 4 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 4 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 3 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 3 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 3 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 2 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 2 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 2 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec> 1 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Levell 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 1 <dec> 1 <dec> 1 <dec> 1 <dec> 0 <dec> (Def)	
	ET=+00.00.01 UT=+00.00.01	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 243007490 <dec>	
	ET=+00.00.07 UT=+00.00.07	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193	HC032289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 70 Det. descr. : Configure WBS-H		
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 243007490 <dec> OFF (Def) ON 0 <dec> (Def) Level1 7 <dec> 7 <dec> 7 <dec> 7 <dec> 15 <dec>	
20		WBS latchup test with Laser 2		Next Step: 21
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 242286595 <dec> OFF (Def) ON 0 <dec> (Def) Level2 (Def) 0 dB (Def) 3 dB 1 dB 3 dB 10 dB	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242286595 <dec> OFF (Def) ON 0 <dec> (Def) Level2 (Def) 0 <dec> (Def) 2 <dec> 2 <dec> 3 <dec> 0 <dec> (Def)	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry HWH_LUP_level_S HM018193	= High	AND=ZAZ9D999
		Verify Telemetry HWV_LUP_level_S HM057193	= High	AND=ZAZ9D999
	ET=+00.00.01 UT=+00.00.01	HIFI_Configure_WBS_H HIFI_Configure_WBS_H Command Parameter(s) : HIFI_BB_ID HP001197 HWH_LASER1_S HP158193 HWH_LASER2_S HP159193 HWH_Heater HP160193 HWH_Latchup_S HP161193 HWH_ATT_Band_4 HP157193 HWH_ATT_Band_3 HP156193 HWH_ATT_Band_2 HP155193 HWH_ATT_Band_1 HP154193 HWH_ATT_IN HP153193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC032289 E710004 <hex> OFF (Def) ON 0 <dec> (Def) Level1 0 dB (Def) 3 dB 1 dB 3 dB 10 dB	
	ET=+00.00.00 UT=+00.00.00	HIFI_Configure_WBS_V HIFI_Configure_WBS_V Command Parameter(s) : HIFI_BB_ID HP001197 HWV_LASER1_S HP168193 HWV_LASER2_S HP169193 HWV_Heater HP170193 HWV_Latchup_S HP171193 HWV_ATT_Band_4 HP167193 HWV_ATT_Band_3 HP166193 HWV_ATT_Band_2 HP165193 HWV_ATT_Band_1 HP164193 HWV_ATT_IN HP163193 Subsch. ID : 70 Det. descr. : Configure WBS-H	HC033289 242286596 <dec> OFF (Def) ON 0 <dec> (Def) Level1 0 <dec> (Def) 2 <dec> 2 <dec> 3 <dec> 0 <dec> (Def)	
		Verify Telemetry HWH_LUP_level_S HM018193	= Low	AND=ZAZ9D999
		Verify Telemetry HWV_LUP_level_S HM057193	= Low	AND=ZAZ9D999
21		WBS tuning with Laser 2		Next Step: 22

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Det. descr. : Configure the FCU-subsystem (prime)		
	ET=+00.00.03 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	HC096289 1C200004 <hex> 5.5 mA	
	ET=+00.00.00 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	HC099289 1C200004 <hex> 10.8 mA	
		Verify Telemetry HF_DH1_MXBAND HM005191	= 5 <dec>	AND=ZAZ9C999
		Verify Telemetry HF_DV1_MXBAND HM096191	= 5 <dec>	AND=ZAZ9C999
	ET=+00.00.01 UT=+00.00.01	HIFI_Tune_WBS Command Parameter(s) : HIFI_BB_ID HP001197 HIF_WBS_tune_target HP074197 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 70 Det. descr. : Find optimal setting for WBS attenuators	HC144289 E130002 <hex> 80 <dec>	
	ET=+00.00.10 UT=+00.00.10	HIFI_config_spectroscopy Command Parameter(s) : HIFI_BB_ID HP001197 HIF_N_WBS_START HP021197 HIF_R_HRS HP022197 HIF_N_WBS_INTEGR HP023197 HIF_N_HRS_INTEGR HP024197 HIF_DEL_HRS HP025197 HIF_DEL_WBS HP026197 HIF_T_ACC_WBS HP027197 HIF_T_ACC_HRS HP028197 HIF_WBSH_OFFSET1 HP029197 HIF_WBSH_WIDTH1 HP030197	HC150289 0 <hex> (Def) 4 <dec> 1 <dec> (Def) 2 <dec> 2 <dec> 2 <dec> 4 <dec> 945 <dec> 929 <dec> 36 <dec> 1976 <dec>	

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		HIF_WBSH_OFFSET2 HP031197 HIF_WBSH_WIDTH2 HP032197 HIF_WBSH_OFFSET3 HP033197 HIF_WBSH_WIDTH3 HP034197 HIF_WBSH_OFFSET4 HP035197 HIF_WBSH_WIDTH4 HP036197 HIF_WBSV_OFFSET1 HP037197 HIF_WBSV_WIDTH1 HP038197 HIF_WBSV_OFFSET2 HP039197 HIF_WBSV_WIDTH2 HP040197 HIF_WBSV_OFFSET3 HP041197 HIF_WBSV_WIDTH3 HP042197 HIF_WBSV_OFFSET4 HP043197 HIF_WBSV_WIDTH4 HP044197 HIF_HRS_RSHIFT HP045197 HIF_WBS_RSHIFT HP046197 HIF_HRSH_SEL HP047197 HIF_HRSV_SEL HP048197 HIF_WBS_packing HP049197 Subsch. ID : 70 Det. descr. : Specify parameters for next spectroscopy measurement	2084 <dec> 1976 <dec> 4132 <dec> 1976 <dec> 6180 <dec> 1976 <dec> 36 <dec> 1976 <dec> 2084 <dec> 1976 <dec> 4132 <dec> 1976 <dec> 6180 <dec> 1976 <dec> 0 <dec> (Def)	
	ET=+00.00.00 UT=+00.00.00	HIFI_Spectr_total_power HIFI_Spectr_total_power Command Parameter(s) : HIFI_BB_ID HP001197 Subsch. ID : 70 Det. descr. : Start total-power spectroscopy measurement	HC151289 E160004 <hex>	
	ET=+00.00.07 UT=+00.00.07	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)	
		Verify: The following TM(3,25) packets should be produced once every 4 seconds: HIFI_essential_HK (APID 1024) HIFI_HK_rev_7 (APID 1026)		
22		Set default OBSID/BBID		Next Step: END

WBS Functional Test
 File: H_COP_HIF_NFWB.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	HIFI_Set_OBS_ID HIFI_Set_OBS_ID <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HIFI_OBS_ID HP000197 <i>Subsch. ID : 70</i> 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
End of Procedure				