

FPU functional test  
 File: H\_COP\_HIF\_RFF5.xls  
 Author: R. Biggins



## Procedure Summary

### Objectives

The objective of this procedure is to execute a functional test on band 5a of the FPU

- Initialise FPU
- Execute FPU heater test

Based on procedure:  
 HIFI-COP-1.2-FPU\_FT (v6)

### Summary of Constraints

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

### Spacecraft Configuration

#### Start of Procedure

n/a

#### End of Procedure

n/a

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

HCHRRF5

### Referenced Displays

| ANDs     | GRDs | SLDs |
|----------|------|------|
| ZAZ9C999 |      |      |
| HA038289 |      |      |
| HA039289 |      |      |

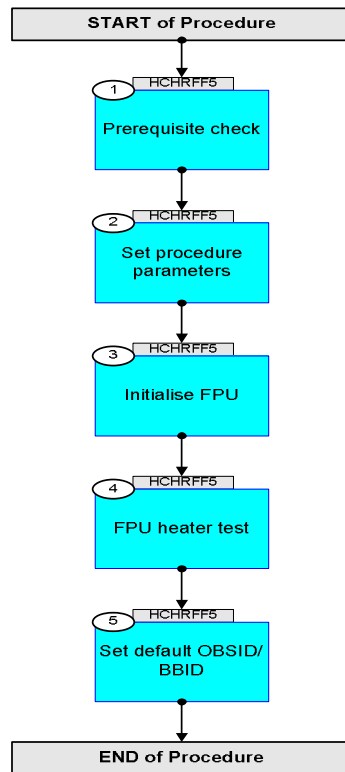
### Configuration Control Information

| DATE     | FOP ISSUE | VERSION | MODIFICATION DESCRIPTION   | AUTHOR     | SPR REF |
|----------|-----------|---------|--|------------|---------|
| 27/08/09 | 2.5       | 1       | Created  | R. Biggins |         |
| 26/11/09 | 3         | 2       | Updates due to Prime unit failure resulting in new operation scheme<br>- Execution times removed<br>- TM APIDs updated | R. Biggins |         |

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## Procedure Flowchart Overview



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| Step No.   | Time                 | Activity/Remarks  | TC/TLM   | Display/ Branch |
|--|----------------------|---|--|-----------------|
| <b>Beginning of Procedure</b>  |                      |   |  |                 |
| <p><i>TC Seq. Name : HCHRFF5 (FPU functional test)</i></p> <p><i>TimeTag Type: B</i><br/> <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p> |                      |   |  |                 |
| 1  |                      | <i>Prerequisite check</i>   |  | Next Step:<br>2 |
| 1.1  |                      | <p><i>HSC/ICC input</i></p> <p>Verify that the HSC/ICC has supplied a valid OBSID value:</p> <p><i>OBS_ID = 0xnnnn nnnn</i></p>   |  | □               |
| 2  |                      | <i>Set procedure parameters</i>   |  | Next Step:<br>3 |
|  | ET=+<br>UT=+00.00.01 | <p>HIFI_Set_OBS_ID</p> <p style="text-align: center;">HIFI_Set_OBS_ID</p> <p><i>Command Parameter(s) :</i></p> <p style="margin-left: 40px;">HIFI_BB_ID                 HP001197</p> <p style="margin-left: 40px;">HIFI_OBS_ID                HP000197</p> <p><i>TC Control Flags :</i></p> <p style="margin-left: 120px;">GBM IL DSE</p> <p style="margin-left: 120px;">--Y -- ---</p> <p><i>Subsch. ID : 70</i></p> <p><i>Det. descr. : Set Observation-ID and Building-Block-ID</i></p>  | <p>HC014289</p> <p>17700001 &lt;hex&gt;</p> <p>OBS_ID</p>  |                 |
|  |                      | <p>Verify Telemetry</p> <p style="margin-left: 120px;">BB_ID_per_hk               HM004190</p>  | = 17700001 <hex>   | AND=ZAZ9C999    |
|  |                      | <p>Verify Telemetry</p> <p style="margin-left: 120px;">OBS_ID_per_hk             HM003190</p>   | OBS_ID   | AND=ZAZ9C999    |
|  | ET=+<br>UT=+00.00.00 | <p>HIFI_Housekeeping_on</p> <p style="text-align: center;">HIFI_Housekeeping_on</p> <p><i>Command Parameter(s) :</i></p> <p style="margin-left: 40px;">HIF_HK_rate                HP012197</p> <p style="margin-left: 40px;">HIF_FCU_S                 HP006197</p> <p style="margin-left: 40px;">HIF_LCU_S                 HP007197</p> <p style="margin-left: 40px;">HIF_WBSV_S                HP009197</p> <p style="margin-left: 40px;">HIF_WBSH_S                HP008197</p> <p style="margin-left: 40px;">HIF_HRSV_S                HP011197</p> <p style="margin-left: 40px;">HIF_HRSH_S                HP010197</p> <p><i>TC Control Flags :</i></p> <p style="margin-left: 120px;">GBM IL DSE</p> <p style="margin-left: 120px;">--Y -- ---</p> | <p>HC016289</p> <p>1_pkt_per_s</p> <p>ON (Def)</p> <p>ON (Def)</p> <p>ON (Def)</p> <p>ON (Def)</p> <p>ON (Def)</p> <p>ON (Def)</p> |                 |

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| Step No.            | Time                 | Activity/Remarks  | TC/TLM           | Display/ Branch |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
|---------------------|----------------------|---|------------------|-----------------|----------------|------------------|----------|----------|------------------|----------|----------|---------------------|----------|----------|---------------------|----------|----------|---------------------|----------|----------|---------------------|------------|----------|---------------------|----------|-------|---------------------|----------|--------|---------------------|----------|-------|---------------------|----------|--------|----------|--|
|                     |                      | Subsch. ID : 70<br>Det. descr. : Sets periodic housekeeping packet generation period  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
|                     |                      | Verify: The following TM(3,25) packets should be produced once every second:<br><br>HIFI_essential_HK (APID 1025)<br>HIFI_HK_rev_7 (APID 1027)  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| 3                   |                      | Initialise FPU  |                  | Next Step:<br>4 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
|                     | ET=+<br>UT=+00.00.01 | HIFI_Configure_FCU_Power<br><b>HIFI_Configure_FCU_Power</b><br><br>Command Parameter(s) :<br><table border="0"> <tr><td>HIFI_BB_ID</td><td>HP001197</td><td>1C200001 &lt;hex&gt;</td></tr> <tr><td>HF_CPR_Mixer_H_S</td><td>HP203191</td><td>ON (Def)</td></tr> <tr><td>HF_CPR_Mixer_V_S</td><td>HP204191</td><td>ON (Def)</td></tr> <tr><td>HF_CPR_Chopper_S</td><td>HP205191</td><td>ON (Def)</td></tr> <tr><td>HF_CPR_UCH_S</td><td>HP206191</td><td>ON (Def)</td></tr> <tr><td>HF_CPR_UCV_S</td><td>HP207191</td><td>ON (Def)</td></tr> </table><br>TC Control Flags :<br><table border="0"> <tr><td>GBM IL DSE</td></tr> <tr><td>--Y -- ---</td></tr> </table><br>Subsch. ID : 70<br><br>Det. descr. : Switch ON or OFF the five FCU-boards (mixer H/V, chopper, IF HV)  | HIFI_BB_ID       | HP001197        | 1C200001 <hex> | HF_CPR_Mixer_H_S | HP203191 | ON (Def) | HF_CPR_Mixer_V_S | HP204191 | ON (Def) | HF_CPR_Chopper_S    | HP205191 | ON (Def) | HF_CPR_UCH_S        | HP206191 | ON (Def) | HF_CPR_UCV_S        | HP207191 | ON (Def) | GBM IL DSE          | --Y -- --- | HC027289 |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HIFI_BB_ID          | HP001197             | 1C200001 <hex>  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CPR_Mixer_H_S    | HP203191             | ON (Def)  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CPR_Mixer_V_S    | HP204191             | ON (Def)  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CPR_Chopper_S    | HP205191             | ON (Def)  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CPR_UCH_S        | HP206191             | ON (Def)  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CPR_UCV_S        | HP207191             | ON (Def)  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| GBM IL DSE          |                      |   |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| --Y -- ---          |                      |   |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
|                     |                      | Verify Telemetry<br><br>BB_ID_per_hk                      HM004190  | = 1C200001 <hex> | AND=ZAZ9C999    |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
|                     | ET=+<br>UT=+00.00.00 | HIFI_R_Configure_FCU<br><b>HIFI_R_Configure_FCU</b><br><br>Command Parameter(s) :<br><table border="0"> <tr><td>HIFI_BB_ID</td><td>HP001197</td><td>1C200001 &lt;hex&gt;</td></tr> <tr><td>HF_CPR_MX BAND</td><td>HP202191</td><td>5 &lt;dec&gt;</td></tr> <tr><td>HF_CH1_DPFP P1</td><td>HP176191</td><td>0 &lt;dec&gt;</td></tr> <tr><td>HF_CH2_FIF1_Drain_V</td><td>HP177191</td><td>0.75 V</td></tr> <tr><td>HF_CH2_FIF1_Drain_C</td><td>HP178191</td><td>4.0 mA</td></tr> <tr><td>HF_CH2_FIF2_Drain_V</td><td>HP179191</td><td>0.65 V</td></tr> <tr><td>HF_CH2_FIF2_Drain_C</td><td>HP180191</td><td>3.0 mA</td></tr> <tr><td>HF_CH2_SIF1_Drain_V</td><td>HP181191</td><td>0.8 V</td></tr> <tr><td>HF_CH2_SIF1_Drain_C</td><td>HP182191</td><td>2.5 mA</td></tr> <tr><td>HF_CH2_SIF2_Drain_V</td><td>HP183191</td><td>0.8 V</td></tr> <tr><td>HF_CH2_SIF2_Drain_C</td><td>HP184191</td><td>2.5 mA</td></tr> </table> | HIFI_BB_ID       | HP001197        | 1C200001 <hex> | HF_CPR_MX BAND   | HP202191 | 5 <dec>  | HF_CH1_DPFP P1   | HP176191 | 0 <dec>  | HF_CH2_FIF1_Drain_V | HP177191 | 0.75 V   | HF_CH2_FIF1_Drain_C | HP178191 | 4.0 mA   | HF_CH2_FIF2_Drain_V | HP179191 | 0.65 V   | HF_CH2_FIF2_Drain_C | HP180191   | 3.0 mA   | HF_CH2_SIF1_Drain_V | HP181191 | 0.8 V | HF_CH2_SIF1_Drain_C | HP182191 | 2.5 mA | HF_CH2_SIF2_Drain_V | HP183191 | 0.8 V | HF_CH2_SIF2_Drain_C | HP184191 | 2.5 mA | HC183289 |  |
| HIFI_BB_ID          | HP001197             | 1C200001 <hex>  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CPR_MX BAND      | HP202191             | 5 <dec>   |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH1_DPFP P1      | HP176191             | 0 <dec>   |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_FIF1_Drain_V | HP177191             | 0.75 V  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_FIF1_Drain_C | HP178191             | 4.0 mA  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_FIF2_Drain_V | HP179191             | 0.65 V  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_FIF2_Drain_C | HP180191             | 3.0 mA  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_SIF1_Drain_V | HP181191             | 0.8 V   |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_SIF1_Drain_C | HP182191             | 2.5 mA  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_SIF2_Drain_V | HP183191             | 0.8 V   |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |
| HF_CH2_SIF2_Drain_C | HP184191             | 2.5 mA  |                  |                 |                |                  |          |          |                  |          |          |                     |          |          |                     |          |          |                     |          |          |                     |            |          |                     |          |       |                     |          |        |                     |          |       |                     |          |        |          |  |

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|----------|----------------------|--|--|-----------------|
|          |                      | HF_CH2_SIF3_Drain_V HP185191<br>HF_CH2_SIF3_Drain_C HP186191<br>HF_CV1_DPFP1 HP191191<br>HF_CV2_FIF1_Drain_V HP192191<br>HF_CV2_FIF1_Drain_C HP193191<br>HF_CV2_FIF2_Drain_V HP194191<br>HF_CV2_FIF2_Drain_C HP195191<br>HF_CV2_SIF1_Drain_V HP196191<br>HF_CV2_SIF1_Drain_C HP197191<br>HF_CV2_SIF2_Drain_V HP198191<br>HF_CV2_SIF2_Drain_C HP199191<br>HF_CV2_SIF3_Drain_V HP200191<br>HF_CV2_SIF3_Drain_C HP201191<br>HF_CPR_CH_SINE_S HP211191<br>HF_CPR_CH_LOOP_S HP210191<br><br>HF_CPR_CHFPG1 HP212191<br>HF_CPR_CHFPG2 HP213191<br>HF_CPR_CHFPZ1 HP214191<br>HF_CPR_CHFPZ2 HP215191<br>HF_CPR_CHFPP2 HP216191<br>HF_CPR_Cal_Heater_C HP217191<br>HF_CH1_MXBIAS_V HP172191<br>HF_CH1_MX_MG_C HP173191<br>HF_CV1_MXBIAS_V HP187191<br>HF_CV1_MX_MG_C HP188191<br>HF_R_Chopper_Rot HP455191<br>HF_CH1_DFACT_C HP174191<br>HF_CV1_DFACT_C HP189191<br><br>TC Control Flags :<br><br>GBM IL DSE<br>--Y -- ---<br><br>Subsch. ID : 70<br>Det. descr. : Configure the FCU-subsystem (redundant) | 0.7 V<br>2.8 mA<br>0 <dec><br>0.75 V<br>4.0 mA<br>0.65 V<br>3.0 mA<br>0.8 V<br>2.5 mA<br>0.8 V<br>2.5 mA<br>0.8 V<br>2.5 mA<br>2.5 mA<br>ON (Def)<br>CLOSE (Def)<br><br>17 <dec><br>201 <dec> (Def)<br>1010 <dec><br>885 <dec> (Def)<br>149 <dec> (Def)<br>1.1 mA<br>2.015 mV<br>15.0 mA<br>2.015 mV<br>15.0 mA<br>-2.33 V<br>0.0 mA<br>0.0 mA |                 |
|          | ET=+<br>UT=+00.00.03 | HIFI_CH1_MX_MG_C<br>HIFI_CH1_MX_MG_C<br>Command Parameter(s) :<br>HIFI_BB_ID HP001197<br>HF_CH1_MX_MG_C HP173191<br><br>Subsch. ID : 70<br>Det. descr. : Send single command to set H mixer magnet current   | HC096289<br><br>1C200001 <hex><br>5.5 mA   |                 |
|          | ET=+<br>UT=+00.00.00 | HIFI_CV1_MX_MG_C<br>HIFI_CV1_MX_MG_C<br>Command Parameter(s) :<br>HIFI_BB_ID HP001197<br>HF_CV1_MX_MG_C HP188191<br><br>Subsch. ID : 70<br>Det. descr. : Send single command to set V mixer magnet current   | HC099289<br><br>1C200001 <hex><br>10.8 mA  |                 |
|          |                      | Verify: Verify the content of the following ANDs with the HIFI representative:   |  |                 |

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| Step No. | Time                 | Activity/Remarks   | TC/TLM  | Display/ Branch |
|----------|----------------------|--|---|-----------------|
|          |                      | HA038289 FCU_H_device<br>HA039289 FCU_V_device<br>HA042289 FCU_PR_power<br>HA044289 FCU_common   |   |                 |
| 4        |                      | FPU heater test  |   | Next Step:<br>5 |
|          | ET=+<br>UT=+00.00.01 | HIFI_CH1_MX_MG_C<br>HIFI_CH1_MX_MG_C<br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CH1_MX_MG_C              HP173191<br>TC Control Flags :<br>GBM IL DSE<br>--Y -- ---<br>Subsch. ID : 70<br>Det. descr. : Send single command to set H mixer magnet current           | HC096289<br><br>CA80001 <hex><br>0.0 mA (Def) |                 |
|          | ET=+<br>UT=+00.00.00 | HIFI_CV1_MX_MG_C<br>HIFI_CV1_MX_MG_C<br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CV1_MX_MG_C              HP188191<br>Subsch. ID : 70<br>Det. descr. : Send single command to set V mixer magnet current   | HC099289<br><br>CA80001 <hex><br>0.0 mA (Def) |                 |
|          |                      | Verify: In the 2 seconds following the upcoming TC, the following parameter (HF_AH1_DHTR_C) should increase in the vicinity of 17mA, then drop to its initial value.   |   |                 |
|          | ET=+<br>UT=+00.00.01 | HIFI_HF_CH1_DHTR_C<br>HIFI_HF_CH1_DHTR_C<br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CH1_DHTR_P               HP218191<br>TC Control Flags :<br>GBM IL DSE<br>--Y -- ---<br>Subsch. ID : 70<br>Det. descr. : Send single command to generate a H deflux heater pulse | HC093289<br><br>CA80001 <hex><br>3000.0 ms    |                 |
|          |                      | Verify Telemetry<br>HF_AH1_DHTR_C                  HM042191  | see above                                     | AND=HA038289    |
|          |                      | Verify: In the 2 seconds following the upcoming TC, the following parameter (HF_AV1_DHTR_C) should increase in the vicinity of 17mA, then drop to its initial value.   |   |                 |

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| Step No. | Time                 | Activity/Remarks   | TC/TLM                                     | Display/ Branch |
|----------|----------------------|--|--|-----------------|
|          | ET=+<br>UT=+00.00.04 | HIFI_HF_CV1_DHTR_C<br><br>HIFI_HF_CV1_DHTR_C<br><br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CV1_DHTR_P              HP219191<br><br>TC Control Flags :<br><br>GBM IL DSE<br>--Y -- ---<br><br>Subsch. ID : 70<br>Det. descr. : Send single command to generate a V<br>deflux heater pulse | HC094289<br><br>CA80001 <hex><br>3000.0 ms |                 |
|          |                      | Verify Telemetry<br><br>HF_AV1_DHTR_C                  HM133191  | see above                                  | AND=HA039289    |
|          | ET=+<br>UT=+00.02.04 | HIFI_CH1_MX_MG_C<br><br>HIFI_CH1_MX_MG_C<br><br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CH1_MX_MG_C              HP173191<br><br>Subsch. ID : 70<br>Det. descr. : Send single command to set H mixer<br>magnet current  | HC096289<br><br>CA80001 <hex><br>15.0 mA   |                 |
|          | ET=+<br>UT=+00.00.00 | HIFI_CV1_MX_MG_C<br><br>HIFI_CV1_MX_MG_C<br><br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CV1_MX_MG_C              HP188191<br><br>Subsch. ID : 70<br>Det. descr. : Send single command to set V mixer<br>magnet current  | HC099289<br><br>CA80001 <hex><br>15.0 mA   |                 |
|          | ET=+<br>UT=+00.00.01 | HIFI_CH1_MX_MG_C<br><br>HIFI_CH1_MX_MG_C<br><br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CH1_MX_MG_C              HP173191<br><br>Subsch. ID : 70<br>Det. descr. : Send single command to set H mixer<br>magnet current  | HC096289<br><br>CA80001 <hex><br>5.5 mA    |                 |
|          | ET=+<br>UT=+00.00.00 | HIFI_CV1_MX_MG_C<br><br>HIFI_CV1_MX_MG_C<br><br>Command Parameter(s) :<br>HIFI_BB_ID                  HP001197<br>HF_CV1_MX_MG_C              HP188191<br><br>Subsch. ID : 70<br>Det. descr. : Send single command to set V mixer<br>magnet current  | HC099289<br><br>CA80001 <hex><br>10.48 mA  |                 |

FPU functional test  
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| Step No.                | Time                 | Activity/Remarks   | TC/TLM   | Display/ Branch   |
|-------------------------|----------------------|--|--|-------------------|
|                         | ET=+<br>UT=+00.00.01 | HIFI_Housekeeping_on<br><br><b>HIFI_Housekeeping_on</b><br><br>Command Parameter(s) :<br><b>HIF_HK_rate</b> HP012197<br><b>HIF_FCU_S</b> HP006197<br><b>HIF_LCU_S</b> HP007197<br><b>HIF_WBSV_S</b> HP009197<br><b>HIF_WBSH_S</b> HP008197<br><b>HIF_HRSV_S</b> HP011197<br><b>HIF_HRSH_S</b> HP010197<br><br>Subsch. ID : 70<br>Det. descr. : Sets periodic housekeeping packet generation period | HC016289<br><br><b>1_pkt_per_4_s</b><br>ON (Def)<br>ON (Def)<br>ON (Def)<br>ON (Def)<br>ON (Def)<br>ON (Def) |                   |
|                         |                      | Verify: The following <b>TM(3,25)</b> packets should be produced once every 4 seconds:<br><br><b>HIFI_essential_HK</b> (APID 1025)<br><b>HIFI_HK_rev_7</b> (APID 1027)   |  |                   |
| 5                       |                      | Set default <b>OBSID/BBID</b>  |  | Next Step:<br>END |
|                         | ET=+<br>UT=+00.00.01 | HIFI_Set_OBS_ID<br><br><b>HIFI_Set_OBS_ID</b><br><br>Command Parameter(s) :<br><b>HIFI_BB_ID</b> HP001197<br><b>HIFI_OBS_ID</b> HP000197<br><br>TC Control Flags :<br><br><b>GBM IL DSE</b><br>--Y -- ---<br><br>Subsch. ID : 70<br>Det. descr. : Set Observation-ID and Building-Block-ID   | HC014289<br><br><b>0 &lt;hex&gt;</b> (Def)<br><b>0 &lt;hex&gt;</b> (Def)                                     |                   |
|                         |                      | Verify Telemetry<br><br><b>BB_ID_per_hk</b> HM004190   | <b>= 0 &lt;hex&gt;</b>   | AND=ZAZ9C999      |
|                         |                      | Verify Telemetry<br><br><b>OBS_ID_per_hk</b> HM003190  | <b>= 0 &lt;hex&gt;</b>   | AND=ZAZ9C999      |
| <b>End of Procedure</b> |                      |  |  |                   |