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| **Project** | DAI\_MMA |
| **Module** | MMG |
| **Test Object** | MMG\_runAutotestCall10ms |

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| **Instrumentation: Test object only** | | |
| **Statement (C0) Coverage** | 100 % |  |
| **Branch (C1) Coverage** | 100 % |  |

**Statistics**

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| --- | --- | --- |
| **Total Testcases** | 29 |  |
| **Successful** | 29 |  |
| **Failed** | 0 |  |
| **Not Executed** | 0 |  |

**Module Properties**

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| --- | --- |
| **Project Root Directory** | C:\Projects\DAIMLER\_MMA\Phase\_02\View\_Development\Tools\Tessy\Workspace |
| **Configuration File** | $(PROJECTROOT)\tessy\config\configuration.xml |
| **Target Environment** | GNU GCC Eclipse CDT (Default) |
| **Kind of Test** | Unit Test |
| **Linker Options** |  |
| **Source Root Directory** | S:\Components\Application\Autoliv |
| | **Source File(s)** |  | | --- | --- | | **File** | |  |  |  |  | | --- | --- | --- | --- | | $(SOURCEROOT)\MMG\Implementation\src\MMG.c | Revision: 1.1.7.25 |  |  | | | **Compiler Options** | -IS:\Tools\Tasking\Installation\TASKING\_TriCore\_v6.3r1p2\backup\_patch2\ctc\include -I$(SOURCEROOT)\..\Supplier\DaVinci\_generated -I$(SOURCEROOT)\..\Supplier\\_Common -I$(SOURCEROOT)\..\Supplier\Adc -I$(SOURCEROOT)\..\Supplier\AdcIf -I$(SOURCEROOT)\..\Supplier\BswM -I$(SOURCEROOT)\..\Supplier\Can -I$(SOURCEROOT)\..\Supplier\CanIf -I$(SOURCEROOT)\..\Supplier\CanNm -I$(SOURCEROOT)\..\Supplier\CanSM -I$(SOURCEROOT)\..\Supplier\CanTp -I$(SOURCEROOT)\..\Supplier\CanTSyn -I$(SOURCEROOT)\..\Supplier\Com -I$(SOURCEROOT)\..\Supplier\ComM -I$(SOURCEROOT)\..\Supplier\Crc -I$(SOURCEROOT)\..\Supplier\CryIf -I$(SOURCEROOT)\..\Supplier\Crypto\_30\_LibCv -I$(SOURCEROOT)\..\Supplier\Crypto\_30\_vHsm -I$(SOURCEROOT)\..\Supplier\Csm -I$(SOURCEROOT)\..\Supplier\Dcm -I$(SOURCEROOT)\..\Supplier\Dem -I$(SOURCEROOT)\..\Supplier\Det -I$(SOURCEROOT)\..\Supplier\Dio -I$(SOURCEROOT)\..\Supplier\Dma -I$(SOURCEROOT)\..\Supplier\E2E -I$(SOURCEROOT)\..\Supplier\E2EXf -I$(SOURCEROOT)\..\Supplier\EcuM -I$(SOURCEROOT)\..\Supplier\Fee -I$(SOURCEROOT)\..\Supplier\Fls\_17\_Dmu -I$(SOURCEROOT)\..\Supplier\Gpt -I$(SOURCEROOT)\..\Supplier\Hwl\Sfr\TC33xA\\_Reg -I$(SOURCEROOT)\..\Supplier\Icu\_17\_TimerIp -I$(SOURCEROOT)\..\Supplier\IpduM -I$(SOURCEROOT)\..\Supplier\KeyM -I$(SOURCEROOT)\..\Supplier\Mcal\_Tc3xx -I$(SOURCEROOT)\..\Supplier\McalLib -I$(SOURCEROOT)\..\Supplier\Mcu -I$(SOURCEROOT)\..\Supplier\MemIf -I$(SOURCEROOT)\..\Supplier\Nm -I$(SOURCEROOT)\..\Supplier\NvM -I$(SOURCEROOT)\..\Supplier\Os -I$(SOURCEROOT)\..\Supplier\PduR -I$(SOURCEROOT)\..\Supplier\Port -I$(SOURCEROOT)\..\Supplier\Pwm -I$(SOURCEROOT)\..\Supplier\PwmIf -I$(SOURCEROOT)\..\Supplier\SBC -I$(SOURCEROOT)\..\Supplier\SecOC -I$(SOURCEROOT)\..\Supplier\Spi -I$(SOURCEROOT)\..\Supplier\Ssa -I$(SOURCEROOT)\..\Supplier\Startup -I$(SOURCEROOT)\..\Supplier\StbM -I$(SOURCEROOT)\..\Supplier\Stm -I$(SOURCEROOT)\..\Supplier\vSecPrim -I$(SOURCEROOT)\..\Supplier\VStdLib -I$(SOURCEROOT)\..\Supplier\Wdg\_17\_Scu -I$(SOURCEROOT)\..\Supplier\WdgIf -I$(SOURCEROOT)\..\Supplier\WdgM -I$(SOURCEROOT)\MMG\Implementation\inc -I$(PROJECTROOT)\Stubs -I$(SOURCEROOT)\NVP\Implementation\inc | |  |  | | |

| **Interface** | | |
| --- | --- | --- |
| **Element** | **Passing** | **Target Passing** |
| **External Functions** |  |  |
| void PAL\_Autotest\_CheckHWSelfProtection(u8TestResultType \*) |  |  |
| void PAL\_Autotest\_CheckMotorCurrent(u8TestResultType \*) |  |  |
| void PMP\_Autotest\_CheckPowerSupplyOV(u8TestResultType \*) |  |  |
| void PMP\_Autotest\_CheckPowerSupplyOVDuringActivation(u8TestResultType \*) |  |  |
| void PMP\_Autotest\_CheckPowerSupplyUV(u8TestResultType \*) |  |  |
| void PMP\_Autotest\_CheckPowerSupplyUVDuringActivation(u8TestResultType \*) |  |  |
| **Local Functions** |  |  |
| void MMG\_runCheckModeStatus(u32ModeMaskType,u8ModeStatusType \*) |  |  |
| unsigned long MMG\_runCheckModeStatus(u32ModesToCheck) | IRRELEVANT |  |
| unsigned char \* MMG\_runCheckModeStatus(bModeStatus) | IN | IN |
| **External Variables** |  |  |
| unsigned char Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | OUT |  |
| unsigned char Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | OUT |  |
| unsigned char Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | OUT |  |
| unsigned char Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | OUT |  |
| unsigned char Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | OUT |  |
| unsigned char Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | OUT |  |
| **Global Variables** |  |  |
| unsigned char MMG\_u8ATLocalResult[7] | IN |  |
| unsigned char MMG\_u8ErrorCounter[7] | INOUT |  |
| unsigned char MMG\_b8MMGHAsBeenInitialized | IRRELEVANT |  |
| unsigned long MMG\_u32ModesStatus | IRRELEVANT |  |
| unsigned long MMG\_u32ModesStatusComplement | IRRELEVANT |  |
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| **Usercode**   |  | | --- | | **Stub Functions** | | **PAL\_Autotest\_CheckHWSelfProtection**  $stub void PAL\_Autotest\_CheckHWSelfProtection(u8TestResultType \*) {  $case 1.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 2.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 3.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 4.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 4.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 5.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 6.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 7.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 8.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 8.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 9.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 9.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 10.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 11.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 12.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 15.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 16.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 17.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 20.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  } | | **PAL\_Autotest\_CheckMotorCurrent**  $stub void PAL\_Autotest\_CheckMotorCurrent(u8TestResultType \*) {  $case 1.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 2.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 3.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 4.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 4.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 5.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 6.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 7.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 8.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 8.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 9.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 9.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 10.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 11.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 12.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 15.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 16.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 17.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 20.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  } | | **PMP\_Autotest\_CheckPowerSupplyOV**  $stub void PMP\_Autotest\_CheckPowerSupplyOV(u8TestResultType \*) {  $case 1.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 2.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 3.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 4.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 4.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 5.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 6.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 7.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 8.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 8.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 9.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 9.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 10.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 11.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 12.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 13.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 14.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 15.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 16.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 17.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 18.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 18.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 18.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 19.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 19.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 19.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 20.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  } | | **PMP\_Autotest\_CheckPowerSupplyOVDuringActivation** | | **PMP\_Autotest\_CheckPowerSupplyUV**  $stub void PMP\_Autotest\_CheckPowerSupplyUV(u8TestResultType \*) {  $case 1.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 2.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 3.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 4.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 4.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 5.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 6.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 7.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 8.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 8.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 9.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 9.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 10.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 11.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 12.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 13.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 13.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 13.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOK;  }  $case 14.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 14.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 14.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 15.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_OK;  }  $case 16.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 17.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 18.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.2 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 19.3 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  $case 20.1 {  \*pu8TestResult = KU8\_ATM\_TEST\_NOT\_DECIDED;  }  } | | **PMP\_Autotest\_CheckPowerSupplyUVDuringActivation** | |  | |

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| |  |  | | --- | --- | | **Test Case 1: AAUT\_MMG\_0006** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0001 | | **Description** | Check HW Self Protection NOT DECIDED |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 1.1 (Repeat Count = 1): Case Test Result NOT DECIDED** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 2: AAUT\_MMG\_0007** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0001 | | **Description** | Check HW Self Protection OK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 3: AAUT\_MMG\_0008** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0002 | | **Description** | Check HW Self Protection NOK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 3.1 (Repeat Count = 1): Case Test Result NOK - first time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 1 | 1 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 3.2 (Repeat Count = 1): Case Test Result NOK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 1 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 1 | 1 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 2 | KU8\_ATM\_TEST\_NOK (2) |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 4: AAUT\_MMG\_0009** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0003 | | **Description** | Check HW Self Protection OK with debounce |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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| --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 4.1 (Repeat Count = 1): Case Test Result OK - after NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 1 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 4.2 (Repeat Count = 1): Case Test Result OK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 5: AAUT\_MMG\_0010** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0001 | | **Description** | Check HW Self Protection OK - default values |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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--- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 6: AAUT\_MMG\_0011** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0004 | | **Description** | Check Motor Current NOT DECIDED |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 7: AAUT\_MMG\_0012** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0004 | | **Description** | Check Motor Current OK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- 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MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 8: AAUT\_MMG\_0013** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0005 | | **Description** | Check Motor Current NOK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 1 | 1 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 8.2 (Repeat Count = 1): Case Test Result NOK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 1 | | MMG\_u8ErrorCounter[1] | 1 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 1 | 1 |  | | MMG\_u8ErrorCounter[1] | 1 | 1 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 2 | KU8\_ATM\_TEST\_NOK (2) |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 9: AAUT\_MMG\_0014** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0006 | | **Description** | Check Motor Current OK with debounce |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- 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target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 1 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 9.2 (Repeat Count = 1): Case Test Result OK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 10: AAUT\_MMG\_0015** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0004 | | **Description** | Check Motor Current OK - default values |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 10.1 (Repeat Count = 1): Case Test Result OK - set default help test** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 11: AAUT\_MMG\_0016** | Result: OK |  |  |  | | --- | --- | | **Description** | Check Under Voltage NOT DECIDED |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 12: AAUT\_MMG\_0017** | Result: OK |  |  |  | | --- | --- | | **Description** | Check Under Voltage OK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 12.1 (Repeat Count = 1): Case Test Result OK - first time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 13: AAUT\_MMG\_0018** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0007 | | **Description** | Check Under Voltage NOK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 13.2 (Repeat Count = 1): Case Test Result NOK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 1 | | MMG\_u8ErrorCounter[1] | 1 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 1 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 1 | 1 |  | | MMG\_u8ErrorCounter[1] | 1 | 1 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 1 | 1 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 13.3 (Repeat Count = 1): Case Test Result NOK - 50th time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 50 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 50 | 50 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 14: AAUT\_MMG\_0019** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0008 | | **Description** | Check Under Voltage OK with debounce |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 14.2 (Repeat Count = 1): Case Test Result OK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 49 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 49 | 49 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 14.3 (Repeat Count = 1): Case Test Result OK - 49th time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 1 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 1 | 1 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 15: AAUT\_MMG\_0020** | Result: OK |  |  |  | | --- | --- | | **Description** | Check Under Voltage OK - default values |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 15.1 (Repeat Count = 1): Case Test Result OK - set default help test** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 16: AAUT\_MMG\_0021** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0009 | | **Description** | Check Over Voltage NOT DECIDED |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- 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target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 17: AAUT\_MMG\_0022** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0009 | | **Description** | Check Over Voltage OK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 17.1 (Repeat Count = 1): Case Test Result OK - first time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 18: AAUT\_MMG\_0023** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0010 | | **Description** | Check Over Voltage NOK |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 18.1 (Repeat Count = 1): Case Test Result NOK - first time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 18.2 (Repeat Count = 1): Case Test Result NOK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 1 | | MMG\_u8ErrorCounter[1] | 1 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 1 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 1 | 1 |  | | MMG\_u8ErrorCounter[1] | 1 | 1 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 1 | 1 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 18.3 (Repeat Count = 1): Case Test Result NOK - 50th time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 1 | | MMG\_u8ErrorCounter[1] | 1 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 50 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 1 | 1 |  | | MMG\_u8ErrorCounter[1] | 1 | 1 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 50 | 50 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 19: AAUT\_MMG\_0024** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0011 | | **Description** | Check Over Voltage OK with debounce |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 1 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 50 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 1 | 1 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 50 | 50 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 19.2 (Repeat Count = 1): Case Test Result OK - second time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 49 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 49 | 49 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 19.3 (Repeat Count = 1): Case Test Result OK - 49th time** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[1] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOT\_DECIDED (4) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 1 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 1 | 1 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 20: AAUT\_MMG\_0025** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS : DSG\_MMG\_0009 | | **Description** | Check Over Voltage OK - default values |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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| 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | 0 |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 21: AAUT\_MMG\_0026** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0008 | | **Description** | Check if result of Power Undervoltage Autotest is passed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- 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target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | KU8\_ATM\_TEST\_OK (1) | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_OK (1) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 1 | KU8\_ATM\_TEST\_OK (1) |  |  |  |  | | --- | --- | |  |  | | **Test Step 21.2 (Repeat Count = 1): Case Test Result OK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_OK (1) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 1 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | |  |  |  | | --- | --- | | **Test Case 22: AAUT\_MMG\_0027** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0007 | | **Description** | Check if result of Power Undervoltage Autotest is failed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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--- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 1 | 1 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 22.2 (Repeat Count = 1): Case Test Result NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 50 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 50 | 50 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 2 | KU8\_ATM\_TEST\_NOK (2) |  | |  |  |  | | --- | --- | | **Test Case 23: AAUT\_MMG\_0028** | Result: OK |  |  |  | | --- | --- | | **Description** | Check result of Power Undervoltage Autotest |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 23.1 (Repeat Count = 1): Default result** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 24: AAUT\_MMG\_0029** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0008; DSG\_MMG\_0047; DSG\_MMG\_0049 | | **Description** | Check if result of Power Undervoltage Autotest is passed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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MMG\_u8ErrorCounter[5] | 1 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 24.2 (Repeat Count = 1): Case Test Result OK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | KU8\_ATM\_TEST\_OK (1) | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 25: AAUT\_MMG\_0030** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0007 | | **Description** | Check if result of Power Undervoltage Autotest is failed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 25.1 (Repeat Count = 1): Case Test Result NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 1 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 2 | 2 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 25.2 (Repeat Count = 1): Case Test Result NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 50 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 50 | 50 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 2 | 2 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 26: AAUT\_MMG\_0031** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0011 | | **Description** | Check if result of Power Overvoltage Autotest is passed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 26.1 (Repeat Count = 1): Case Test Result OK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_OK (1) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 1 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 26.2 (Repeat Count = 1): Case Test Result OK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_OK (1) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 1 | KU8\_ATM\_TEST\_OK (1) |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 27: AAUT\_MMG\_0032** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0010 | | **Description** | Check if result of Power Overvoltage Autotest is failed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 27.1 (Repeat Count = 1): Case Test Result NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 1 | 1 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 27.2 (Repeat Count = 1): Case Test Result NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | 0 | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 50 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_OFF (85) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 50 | 50 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 2 | KU8\_ATM\_TEST\_NOK (2) |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 28: AAUT\_MMG\_0033** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0011; DSG\_MMG\_0048 | | **Description** | Check if result of Power Overvoltage Autotest is passed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 28.2 (Repeat Count = 1): Case Test Result OK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | KU8\_ATM\_TEST\_OK (1) | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 1 | 1 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | |  |  |  | | --- | --- | | **Test Case 29: AAUT\_MMG\_0034** | Result: OK |  |  |  | | --- | --- | | **Specification** | COVERS: DSG\_MMG\_0010 | | **Description** | Check if result of Power Overvoltage Autotest is failed |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Test Step 29.1 (Repeat Count = 1): Case Test Result NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 0 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 1 | 1 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  |  |  |  | | --- | --- | |  |  | | **Test Step 29.2 (Repeat Count = 1): Case Test Result NOK** |  |      | **Name** | **Input Value** | | --- | --- | | MMG\_runCheckModeStatus(bModeStatus) | target\_MMG\_runCheckModeStatus\_bModeStatus | | MMG\_u8ATLocalResult[0] | 0 | | MMG\_u8ATLocalResult[1] | 0 | | MMG\_u8ATLocalResult[2] | 0 | | MMG\_u8ATLocalResult[3] | 0 | | MMG\_u8ATLocalResult[4] | 0 | | MMG\_u8ATLocalResult[5] | 0 | | MMG\_u8ATLocalResult[6] | KU8\_ATM\_TEST\_NOK (2) | | MMG\_u8ErrorCounter[0] | 0 | | MMG\_u8ErrorCounter[1] | 0 | | MMG\_u8ErrorCounter[2] | 0 | | MMG\_u8ErrorCounter[3] | 0 | | MMG\_u8ErrorCounter[4] | 0 | | MMG\_u8ErrorCounter[5] | 0 | | MMG\_u8ErrorCounter[6] | 50 | | target\_MMG\_runCheckModeStatus\_bModeStatus | KU8\_MODE\_STATUS\_ON (170) |      | **Name** | **Actual Value** | **Expected Value** | **Result** | | --- | --- | --- | --- | | MMG\_u8ErrorCounter[0] | 0 | 0 |  | | MMG\_u8ErrorCounter[1] | 0 | 0 |  | | MMG\_u8ErrorCounter[2] | 0 | 0 |  | | MMG\_u8ErrorCounter[3] | 0 | 0 |  | | MMG\_u8ErrorCounter[4] | 0 | 0 |  | | MMG\_u8ErrorCounter[5] | 0 | 0 |  | | MMG\_u8ErrorCounter[6] | 50 | 50 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyOVResult | 2 | 2 |  | | Rte\_Irv\_MMG\_u8CheckExtPowerSupplyUVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckHWSelfProtectionResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckMotorCurrentResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyOVResult | 0 | 0 |  | | Rte\_Irv\_MMG\_u8CheckPowerSupplyUVResult | 0 | 0 |  | | |