

Figure - Bug #115218

测试 Test-ST # 113421 (New): V4.0功能与专项测试

【BSP】【EVT2】【ST】【MCU】通过E1烧写工厂版本FigureV0.0.5.mot后，再烧写正常的release版本，MCU版本未进行升级

2023-01-10 20:45 - 移动测试一组_CDTs 刘强

Status:	CLOSED	Start date:	2023-01-10
Priority:	High	Due date:	2023-01-11
Assignee:	移动测试一组_CDTs 刘强	% Done:	0%
Category:	CD-FW	Estimated time:	0.00 hour
Target version:		Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.R.userdebug.01.00.0067.X101
Need_Info:	--	Degrated:	--
Resolution:	FIXED	Verified Version:	
Severity:	Normal	Fixed Version:	
Reproducibility:	Every time	Root cause:	工厂版本改了MCU版本名称，从9个字节改成7个字节
Test Type:	ST		

Description	
【前提条件】 None	
【测试步骤】 1、通过E1烧写MCU版本：FigureV0.0.5.mot 2、烧写后开机：执行adb shell getMcuVersion 3、通过Qfile烧写最新release版本：FlatBuild_HH_VX1_MCE_FSE.M.R.userdebug.01.00.0067.X101 4、烧机后通过*#149# 查看MCU版本	
【预期结果】 2. figure:/ # getMcuVersion Origin 4.设备自动重启升级MCU，app显示正常MCU版本：0.0.6	
【实际结果】 2. figure:/ # getMcuVersion Origin 4.设备不重启，app不显示版本，通过命令执行获得版本： figure:/ # getMcuVersion Origin	

History

- #1 - 2023-01-10 20:46 - 移动测试一组_CDTs 刘强
- File FigureV0.0.5.mot added
- #2 - 2023-01-11 10:02 - CD BSP-杜磊
- Status changed from New to ASSIGNED
- Assignee changed from CD TPM-王祥林 to CD BSP-陈杰
- #3 - 2023-01-11 10:29 - CD BSP-陈杰
- Assignee changed from CD BSP-陈杰 to CD TPM-王祥林

通过log分析如下：

01-10 03:25:56.854 2883 2983 D MCUUpdate: find 2 mcu version:figureAPP_V0.0.6_a.bin figureAPP_V0.0.6_b.bin
01-10 03:25:56.855 657 657 I mpu_uart: [TIME-:1]:create
01-10 03:25:56.866 657 667 V mpu_uart: send data buf:[0x3c, 0x7, 0x0, 0x11, 0xff, 0x82, 0x57,], send_res=7
01-10 03:25:56.869 657 668 V mpu_uart: [MSG-P:SYNC]:sync resp:62
01-10 03:25:56.869 657 657 I mpu_uart: [TIME-:1]:delete
01-10 03:25:56.870 2883 2983 D MCUUpdate: Check MCU current version :res = 0
01-10 03:25:56.900 657 668 D mpu_uart: [MSG-P:R-M]:recvd H:13, L:0
01-10 03:25:56.900 657 668 V mpu_uart: recv data buf:[0x3c, 0xd, 0x0, 0x0, 0xff, 0x82, 0x4f, 0x72, 0x69, 0x67, 0x69, 0x6e, 0x78,]
01-10 03:25:56.901 657 669 D mpu_uart: [SESSION-Distribute]:Message en queue:ff
01-10 03:25:56.903 2883 2979 D MCUUpdate: MCU version: 79 length: 7
01-10 03:25:56.992 3514 3514 W hpplay-java: [main]:IPManager:getActiveNets invalid networkInfo:null
01-10 03:25:56.992 3514 3514 I hpplay-java: [main]:IPManager:getActiveNets eth0:false wifi:false mobile:false ap:false
01-10 03:25:56.993 3514 3514 I hpplay-java: [main]:ServerTaskManager:get local ip:null
01-10 03:25:57.901 657 669 I mpu_uart: [MSG-P:RECV]:No message received in 1000 ms

其中已经发现了mpu内部存在一个新的版本：MCUUpdate: find 2 mcu version:figureAPP_V0.0.6_a.bin figureAPP_V0.0.6_b.bin
然mpu也去下发了获取版本信息：mpu_uart: send data buf:[0x3c, 0x7, 0x0, 0x11, 0xff, 0x82, 0x57,], send_res=7
MCU也返回了版本信息：mpu_uart: recv data buf:[0x3c, 0xd, 0x0, 0x0, 0xff, 0x82, 0x4f, 0x72, 0x69, 0x67, 0x69, 0x6e, 0x78,]

但是MPU这边没有进行下一步的流程，进行发送bin文件的流程，升级流程出现了问题：

01-10 03:25:56.901 657 669 D mpu_uart: [SESSION-Distribute]:Message en queue:ff
01-10 03:25:56.903 2883 2979 D MCUUpdate: MCU version: 79 length: 7
在这里就完了，麻烦看一下是那儿出了问题，可否咨询一下hal层做串口处理的同事，上报到af的版本信息是否出错了。

#4 - 2023-01-11 18:04 - CD FW 曹覃刚
- Due date set to 2023-01-11

#5 - 2023-01-11 19:12 - IoT scm
Gerrit Merge Information：

ID	Project	Branch	Uploader
175802	general/platform/vendor/thundercom m/apps/TCService	Pre_figure_turbox-c2130c-la1.1-qssi12 -dev	wangxl0510@thundersoft.com
AF:MCU-OTA:MCU won't update after flashing mot file.Since the version of mcu is changed from Original to Origin in mot file,so the length is changed from 9 to 7, but MCUUpdateService still usethe length 9 to judge, so it won't update if length is 7.We add length 7 in judgement to ensure mcu can update.TC-RID: 1201-0200401IssueID: TS-R-BUG-115218Change-Id: Ic832400054bc4355e644648ab7f3702ece99b395			

#6 - 2023-01-12 10:49 - CD TPM-王祥林
- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD TPM-王祥林 to CDTS_TEST 王成

#7 - 2023-01-12 10:50 - CD TPM-王祥林
- Root cause set to 工厂版本改了MCU版本名称，从9个字节改成7个字节。我们代码里之前是用的9个字节判断，所以升级不了。

#8 - 2023-01-17 15:17 - CDTS_TEST 王成
- Assignee changed from CDTS_TEST 王成 to 移动测试一组_CDTS 刘强

#9 - 2023-01-17 15:29 - 移动测试一组_CDTS 刘强
- Status changed from RESOLVED to VERIFIED

验证版本：FlatBuild_HH_VX1_MCE_FSE.M.R.user.01.00.0068.X101
验证结果：验证通过

#10 - 2023-01-17 15:29 - 移动测试一组_CDTS 刘强
- Status changed from VERIFIED to CLOSED

#11 - 2023-01-19 09:54 - CD TPM-王祥林
- Resolution changed from -- to FIXED

#12 - 2023-03-10 13:57 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
186557	general/platform/vendor/thundercom m/apps/TestTools	Pre_figure_turbox-c2130c-la1.1-qssi12 -ftm_v0081	wangxl0510@thundersoft.com
AF:MCU-OTA:DebugTools can not read MCU after flashing mot file.Remove judgement of mcu version length to ensure mcu can update.TC-RID: 1201-0200401IssueID: TS-R-BUG-115218Change-Id: Ief785bae290345464ddf23e9738a07bd2f857a37			

#13 - 2023-03-10 14:15 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
186556	general/platform/vendor/thundercom m/apps/TCService	Pre_figure_turbox-c2130c-la1.1-qssi12 -ftm_v0081	wangxl0510@thundersoft.com
AF:MCU-OTA:DebugTools can not read MCU after flashing mot file.Remove judgement of mcu version length to ensure mcu can update.TC-RID: 1201-0200401IssueID: TS-R-BUG-115218Change-Id: Ifcf2a0184012f396a14212593d163753ebf5009e			

#14 - 2023-03-14 19:53 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
185698	general/platform/vendor/thundercom m/apps/TestTools	Pre_figure_turbox-c2130c-la1.1-qssi12 -dev	wangxl0510@thundersoft.com
AF:MCU-OTA:DebugTools can not read MCU after flashing mot file.Remove judgement of mcu version length to ensure mcu can update.TC-RID:			

#15 - 2023-03-14 22:55 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
185697	general/platform/vendor/thundercom/apps/TCService	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	wangxl0510@thundersoft.com
AF:MCU-OTA:DebugTools can not read MCU after flashing mot file.Remove judgement of mcu version length to ensure mcu can update.TC-RID: 1201-0200401IssueID: TS-R-BUG-115218Change-Id: Ifcf2a0184012f396a14212593d163753ebf5009e			

Files

logcat.txt	3.18 MB	2023-01-10	移动测试一组_CDTS 刘强
tlog.zip	143 KB	2023-01-10	移动测试一组_CDTS 刘强
FigureV0.0.5.mot	297 KB	2023-01-10	移动测试一组_CDTS 刘强