

Figure - Bug #114891

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

测试 Test-ST # 113425 (New): V4.0专项--BSP专项--压测

【BSP】【EVT2】【压测】【Touch】【偶现】设备烧机启动到操作界面后，执行adb reboot，重启后设备屏幕可以正常显示，但触控失灵，可以通过adb投屏点击

2022-12-28 12:42 - 移动测试一组_CDTS 刘强

Status:	CLOSED	Start date:	2022-12-28
Priority:	Normal	Due date:	2023-01-17
Assignee:	移动测试一组_CDTS 刘强	% Done:	100%
Category:	BSP	Estimated time:	0.00 hour
Target version:		Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.X101.202212240332
Need_Info:	--	Degrated:	--
Resolution:	--	Verified Version:	
Severity:	Normal	Fixed Version:	
Reproducibility:	Occasionally	Root cause:	
Test Type:	ST		
Description			
【前提条件】 设备刷机和恢复出厂后，第一次开机			
【测试步骤】 1、设备启动后滑动跳过开机引导界面 2、通过*#147#打开tlog抓取日志 3、执行adb reboot 4、查看设备运行情况			
【预期结果】 4. 设备显示、触控、功能等均正常			
【实际结果】 4. 设备显示正常，但是触控失灵，重新插拔显示线问题仍然存在			
Others : 偶现一次 出现版本：FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.X101.202212240332			

History

#1 - 2022-12-28 13:42 - 移动测试一组_CDTS 刘强

- Assignee changed from CD SYSTEM-胡兵 to CD BSP-杜磊

#2 - 2022-12-28 14:38 - 移动测试一组_CDTS 刘强

- File VX_tlog_xxx_1227121847.tar.gz added

#3 - 2023-01-03 11:14 - CDTS_TEST 刘勇

使用FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.202212310352 版本，刷机后 2/3次出现了touch点击无响应。EVT2-VX1和EVT2-VC1板端

#4 - 2023-01-03 14:22 - CD BSP-杜磊

- Status changed from New to ASSIGNED

- Assignee changed from CD BSP-杜磊 to CD SYSTEM-龚元祝

帮忙check一下是否和优化tp开机时间有关

#5 - 2023-01-04 14:29 - CD SYSTEM-龚元祝

- File 中科创达软件股份有限公司20230104-135923.png added

根据VC1日志：

tlog_xxx_1224020043.tar.gz (5.3 MB) Delete 移动测试一组_CDTs 刘强, 2022-12-28 12:42

1.txt Magnifier (2.42 MB) Delete 移动测试一组_CDTs 刘强, 2022-12-28 12:42

<https://share.thundersoft.com/redmine/attachments/72216/%E4%B8%AD%E7%A7%91%E5%88%9B%E8%BE%BE%E8%BD%AF%E4%BB%B6%E8%82%A1%E4%BB%BD%E6%9C%89%E9%99%90%E5%85%AC%E5%8F%B820230104-135923.png>

TP驱动初始化正常，后面TP的I2C通信失败。
需要驱动组分析失败原因。

VX1没有看到失败的日志，需要测试组复现并抓取日志。

#6 - 2023-01-04 14:36 - CD SYSTEM-龚元祝

- Assignee changed from CD SYSTEM-龚元祝 to CD BSP-杜磊

#7 - 2023-01-04 17:13 - CD BSP-杜磊

- File tlog_xxx_1228014105.tar.gz added

#8 - 2023-01-04 17:17 - 物联网测试组_CDTs 段小刚

- File tlog.zip added

#9 - 2023-01-05 10:17 - CD BSP-杜磊

- % Done changed from 0 to 20

根据当前的log信息，VC1 touch驱动没有注册input设备，未现错误日志，
当前方法：
修改log打印等级，添加更多log信息，分别编译user和userdebug版本进行测试

#10 - 2023-01-06 17:03 - CD BSP-杜磊

王成，刘强，

从之前的log看来，驱动没有注册完全，缺少一些关键log，如下分别编译了user和userdebug版本，帮忙复测并抓一下log, user版本需要打开usb授权，否则无法进行debug。

ftp://cdiot@192.168.87.46/Pre_figure/VerifyBuild/Pre_figure_turbox-c2130c-la1.1-qssi12-dev/20230104/202301041951-2032
ftp://cdiot@192.168.87.46/Pre_figure/VerifyBuild/Pre_figure_turbox-c2130c-la1.1-qssi12-dev/20230104/202301041949-2031

#11 - 2023-01-06 17:04 - CD BSP-杜磊

- Status changed from ASSIGNED to NEED_INFO
- Assignee changed from CD BSP-杜磊 to 移动测试一组_CDTS 刘强

#12 - 2023-01-07 17:43 - CD BSP-杜磊

- File VX1-touch-error.txt added

VX1的touch失效问题在VB版本上复现，错误日志如下：

```
行 3333: [ 31.182374] init: starting service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)'...
行 3333: [ 31.182374] init: starting service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)'...
行 3333: [ 31.182374] init: starting service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)'...
行 3380: [ 31.253886] cyttsp7_i2c_adapter 0-0024: cyttsp7_i2c_probe begin
行 3380: [ 31.253886] cyttsp7_i2c_adapter 0-0024: cyttsp7_i2c_probe begin
行 3381: [ 31.253923] cyttsp7_i2c_adapter 0-0024: cyttsp7_init: INIT CYTTSP RST gpio=1106 and IRQ gpio=1107 ERR gpio=1123
行 3381: [ 31.253923] cyttsp7_i2c_adapter 0-0024: cyttsp7_init: INIT CYTTSP RST gpio=1106 and IRQ gpio=1107 ERR gpio=1123
行 3381: [ 31.253923] cyttsp7_i2c_adapter 0-0024: cyttsp7_init: INIT CYTTSP RST gpio=1106 and IRQ gpio=1107 ERR gpio=1123
行 3406: [ 31.356074] cyttsp7_i2c_adapter 0-0024: cyttsp7_xres: RESET CYTTSP gpio=1106 r=0
行 3406: [ 31.356074] cyttsp7_i2c_adapter 0-0024: cyttsp7_xres: RESET CYTTSP gpio=1106 r=0
行 3406: [ 31.356074] cyttsp7_i2c_adapter 0-0024: cyttsp7_xres: RESET CYTTSP gpio=1106 r=0
行 3756: [ 32.384096] cyttsp7_i2c_adapter 0-0024: cyttsp7_wait_bl_heartbeat: tmo waiting bl heartbeat cd->mode=0
行 3756: [ 32.384096] cyttsp7_i2c_adapter 0-0024: cyttsp7_wait_bl_heartbeat: tmo waiting bl heartbeat cd->mode=0
行 3761: [ 32.393857] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: Error on h/w reset r=-62
行 3761: [ 32.393857] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: Error on h/w reset r=-62
行 3808: [ 32.406143] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: cyttsp7_exit startup rc=-19...
行 3808: [ 32.406143] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: cyttsp7_exit startup rc=-19...
行 3808: [ 32.406143] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: cyttsp7_exit startup rc=-19...
行 3814: [ 32.416367] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_sleep_device: Device in BOOTLADER mode.
行 3814: [ 32.416367] cyttsp7_i2c_adapter 0-0024: _cyttsp7_core_sleep_device: Device in BOOTLADER mode.
行 3816: [ 32.426802] cyttsp7_i2c_adapter 0-0024: _cyttsp7_core_sleep: sleep state rc -22
行 3816: [ 32.426802] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_sleep: sleep state rc -22
行 3819: [ 32.472043] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_rt_suspend: Error on sleep
行 3819: [ 32.472043] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_rt_suspend: Error on sleep
行 3821: [ 32.483642] cyttsp7_i2c_adapter 0-0024: cyttsp7_probe: Fail initial startup r=-19
行 3821: [ 32.483642] cyttsp7_i2c_adapter 0-0024: cyttsp7_probe: Fail initial startup r=-19
行 3823: [ 32.519456] cyttsp7_i2c_adapter 0-0024: cyttsp7_probe failed.
行 3823: [ 32.519456] cyttsp7_i2c_adapter 0-0024: cyttsp7_probe failed.
行 3900: [ 32.542046] cyttsp7_i2c_adapter 0-0024: cyttsp7_i2c_probe end
行 3900: [ 32.542046] cyttsp7_i2c_adapter 0-0024: cyttsp7_i2c_probe end
行 3901: [ 32.543214] init: Service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)' (pid 1130)
exited with status 1 oneshot service took 1.360000 seconds in background
行 3901: [ 32.543214] init: Service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)' (pid 1130)
exited with status 1 oneshot service took 1.360000 seconds in background
行 3901: [ 32.543214] init: Service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)' (pid 1130)
exited with status 1 oneshot service took 1.360000 seconds in background
行 3903: [ 32.565374] init: Sending signal 9 to service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c
cyttsp7_device_access)' (pid 1130) process group...
行 3903: [ 32.565374] init: Sending signal 9 to service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c
cyttsp7_device_access)' (pid 1130) process group...
行 3903: [ 32.565374] init: Sending signal 9 to service 'exec 22 (/vendor/bin/modprobe -a -d /vendor/lib/modules/ atmel_mxt_ts cyttsp7 cyttsp7_i2c
cyttsp7_device_access)' (pid 1130) process group...
行 4012: [ 33.166974] Modules linked in: wlan(O+) cyttsp7_i2c cyttsp7 atmel_mxt_ts tsnv(O) machine_dtlm(O) wcd938x_slave_dtlm(O) wcd938x_dtlm(O)
wcd9xxx_dtlm(O) mbhc_dtlm(O) tx_macro_dtlm(O) rx_macro_dtlm(O) va_macro_dtlm(O) wsa_macro_dtlm(O) swr_ctrl_dtlm(O) bolero_cdc_dtlm(O)
wsa881x_dtlm(O) wcd_core_dtlm(O) stub_dtlm(O) hdmi_dtlm(O) swr_dtlm(O) pinctrl_lpi_dtlm(O) pinctrl_wcd_dtlm(O) usf_dtlm(O) native_dtlm(O)
```

platform_dlk(O) q6_dlk(O) adsp_loader_dlk(O) apr_dlk(O) snd_event_dlk(O) q6_notifier_dlk(O) q6_pdr_dlk(O) msm_11ad_proxy
行 4012: [33.166974] Modules linked in: wlan(O+) cyttsp7_i2c cyttsp7_atmel_mxt_ts tsnv(O) machine_dlk(O) wcd938x_slave_dlk(O) wcd938x_dlk(O)
wcd9xxx_dlk(O) mbhc_dlk(O) tx_macro_dlk(O) rx_macro_dlk(O) va_macro_dlk(O) wsa_macro_dlk(O) swr_ctrl_dlk(O) bolero_cdc_dlk(O)
wsa881x_dlk(O) wcd_core_dlk(O) stub_dlk(O) hdmi_dlk(O) swr_dlk(O) pinctrl_lpi_dlk(O) pinctrl_wcd_dlk(O) usf_dlk(O) native_dlk(O)
platform_dlk(O) q6_dlk(O) adsp_loader_dlk(O) apr_dlk(O) snd_event_dlk(O) q6_notifier_dlk(O) q6_pdr_dlk(O) msm_11ad_proxy

touch进入了bootloader 模式无法退出，导致驱动不能完全加载成功，进而touch无法使用。
对驱动做了错误处理后，驱动能自动判断当前tp模式，并且退出bootloader模式，进入normal模式。

```
[ 47.170159] init: starting service 'exec 25 (/vendor/bin/modprobe -a -d /vendor/lib/modules/atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)'...
[ 47.225361] cyttsp7_i2c_adapter 0-0024: cyttsp7_i2c_probe begin
[ 47.231878] cyttsp7_i2c_adapter 0-0024: cyttsp7_init: INIT CYTTSP RST gpio=1106 and IRQ gpio=1107 ERR gpio=1123
[ 47.332256] cyttsp7_i2c_adapter 0-0024: cyttsp7_xres: RESET CYTTSP gpio=1106 r=0
[ 48.352288] cyttsp7_i2c_adapter 0-0024: cyttsp7_wait_bl_heartbeat: tmo waiting bl heartbeat cd->mode=0
[ 48.370537] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: Error on h/w reset r=-62
[ 48.370540] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: ----- line=3511
[ 49.376122] cyttsp7_i2c_adapter 0-0024: cyttsp7_wait_bl_heartbeat: tmo waiting bl heartbeat cd->mode=0
[ 49.386244] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: Error on h/w reset line=3514
[ 49.386250] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: cyttsp7_exit startup rc=-62...
[ 49.405399] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_sleep_device: Device in BOOTLADER mode.
[ 49.405405] cyttsp7_i2c_adapter 0-0024: _cyttsp7_core_sleep: sleep state rc 22
[ 49.448090] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_rt_suspend: Error on sleep
[ 49.460287] cyttsp7_i2c_adapter 0-0024: cyttsp7_mt_probe: Fail get sysinfo pointer from core p= (null)
[ 49.478948] cyttsp7_i2c_adapter 0-0024: cyttsp7_i2c_probe end
[ 49.497746] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_sleep_device: Device in BOOTLADER mode.
[ 49.497753] cyttsp7_i2c_adapter 0-0024: _cyttsp7_core_sleep: sleep state rc -22
[ 49.519433] cyttsp7_device_access_init: Registering device access module for core_id: cyttsp7_core0
[ 49.530746] cyttsp7_i2c_adapter 0-0024: cyttsp7_device_access_probe: Fail get sysinfo pointer from core p= (null)
[ 49.542127] cyttsp7_i2c_adapter 0-0024: cyttsp7_core_rt_suspend: Error on sleep
[ 49.542154] cyttsp7_device_access_init: Cypress TTSP Device Access Driver (Built TTDA.02.06.908510) rc=0
[ 50.521599] cyttsp7_i2c_adapter 0-0024: cyttsp7_watchdog_work: device found in bootloader mode
[ 50.521610] cyttsp7_i2c_adapter 0-0024: _cyttsp7_queue_startup: cyttsp7_startup queued
[ 50.620177] cyttsp7_i2c_adapter 0-0024: cyttsp7_xres: RESET CYTTSP gpio=1106 r=0
[ 51.072128] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: ----- line=3511
[ 51.080366] cyttsp7_i2c_adapter 0-0024: exit_bootloader: ----- line=3197
[ 51.098143] init: Service 'exec 25 (/vendor/bin/modprobe -a -d /vendor/lib/modules/atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)' (pid 1237) exited with
status 0 oneshot service took 3.922000 seconds in background
[ 51.098158] init: Sending signal 9 to service 'exec 25 (/vendor/bin/modprobe -a -d /vendor/lib/modules/atmel_mxt_ts cyttsp7 cyttsp7_i2c cyttsp7_device_access)' (pid
1237) process group...
[ 51.225698] Modules linked in: cyttsp7_device_access wlan(O+) cyttsp7_i2c cyttsp7_atmel_mxt_ts tsnv(O) machine_dlk(O) wcd938x_slave_dlk(O)
wcd938x_dlk(O) wcd9xxx_dlk(O) mbhc_dlk(O) tx_macro_dlk(O) rx_macro_dlk(O) va_macro_dlk(O) wsa_macro_dlk(O) swr_ctrl_dlk(O)
bolero_cdc_dlk(O) wsa881x_dlk(O) wcd_core_dlk(O) stub_dlk(O) hdmi_dlk(O) swr_dlk(O) pinctrl_lpi_dlk(O) pinctrl_wcd_dlk(O) usf_dlk(O)
native_dlk(O) platform_dlk(O) q6_dlk(O) adsp_loader_dlk(O) apr_dlk(O) snd_event_dlk(O) q6_notifier_dlk(O) q6_pdr_dlk(O) msm_11ad_proxy
[ 51.518598] cyttsp7_i2c_adapter 0-0024: cyttsp7_si_get_test_data: SCANNING is ENABLED codel=1E
[ 51.563163] cyttsp7_i2c_adapter 0-0024: TTSP Protocol Version is 3.2
[ 51.633454] input: cyttsp7_mt as /devices/platform/soc/980000.i2c/i2c-0/0-0024/input/input3
[ 51.641619] cyttsp7_i2c_adapter 0-0024: cyttsp7_startup_: cyttsp7_exit startup rc=0...
```

下一步计划：

加修改VX1的patch，编译VB user版本，再进行复测，

1. 重启不失效
2. touch热插拔，touch能否正常
3. 亮灭屏后touch是否正常

VC1暂未复现，需要继续复测，再进行分析

#13 - 2023-01-09 11:48 - 物联网测试组_CDTs 段小刚
- File vc1触控失灵log.zip added

#14 - 2023-01-10 10:14 - 物联网测试组_CDTs 段小刚

验证VX1的修复版本：FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.202301071859
验证结果：重复上下电和重复reboot 未出现触控失灵现象

#15 - 2023-01-12 15:55 - CD TPM-王祥林
- Due date set to 2023-01-17

#16 - 2023-01-12 21:30 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
175870	general/clo/la/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-dev	dulei0503@thundersoft.com
Revert SYSTEM:PERFORMANCE: cyttsp7 and atmel_mxt driver changed to ko. 3/3This reverts commit 778e784bd4ca952f3b8c8cd7853fe76f7ea2400b.TC-RID: 1201-0100401IssueID: TS-R-DF-114891Change-Id: I243ce02fe14ac7d82ac1697a805964c37f90f592			

#17 - 2023-01-12 21:30 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
175869	general/platform/vendor/opensource/display-drivers	Pre_figure_turbox-c2130c-la1.1-vendor-dev	dulei0503@thundersoft.com
Revert SYSTEM:PERFORMANCE: max96755,cyttsp7 and atmel_mxt driver changed to ko. 1/3This reverts commit d957516d018f0b8c9ba83395ccb9a301f5709e92.TC-RID: 1201-0100401IssueID: TS-R-DF-114891Change-Id: I642e91e5d62150a803084f44cbbfaec090a2ff3a			

#18 - 2023-01-12 21:30 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
175871	general/vendor/thundercomm/products/figure	Pre_figure_turbox-c2130c-la1.1-vendor-dev	dulei0503@thundersoft.com
Revert SYSTEM:PERFORMANCE: cyttsp7 and atmel_mxt driver changed to ko. 2/3This reverts commit 2868d837054fea0659e6c5068c143aec0bb579d1.TC-RID: 1201-0100401IssueID: TS-R-DF-114891Change-Id: I15c56ce854a14b46f195eb4898b210193ea740ac			

#19 - 2023-01-12 21:34 - CD BSP-杜磊

- Status changed from NEED_INFO to RESOLVED

- % Done changed from 20 to 100

请使用DB版本验证

#20 - 2023-01-12 22:38 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
176021	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-dev	tangjz1204@thundersoft.com
Revert SYSTEM:PERFORMANCE: cyttsp7 and atmel_mxt driver changed to ko. 3/3This reverts commit 778e784bd4ca952f3b8c8cd7853fe76f7ea2400b.TC-RID: 1201-0100401IssueID: TS-R-DF-114891Change-Id: I535ff418dd8d0048141c03861e08590a26b72601			

#21 - 2023-01-17 15:41 - 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

#22 - 2023-01-17 15:41 - 移动测试一组_CDTS 刘强

- Status changed from VERIFIED to CLOSED

#23 - 2023-01-18 15:37 - 物联网测试组_CDTS 段小刚

验证版本：1月18好的DB——FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.202301180547

验证结果：进行断电重启50次未复现问题

Files			
11.zip	735 KB	2022-12-28	移动测试一组_CDTS 刘强
tlog_xxx_1224020043.tar.gz	5.3 MB	2022-12-28	移动测试一组_CDTS 刘强
1.txt	2.42 MB	2022-12-28	移动测试一组_CDTS 刘强
20221228-124146.mp4	4.33 MB	2022-12-28	移动测试一组_CDTS 刘强
VX_tlog_xxx_1227121847.tar.gz	2.27 MB	2022-12-28	移动测试一组_CDTS 刘强
中科创达软件股份有限公司20230104-135923.png	250 KB	2023-01-04	CD SYSTEM-龚元祝
tlog_xxx_1228014105.tar.gz	4.38 MB	2023-01-04	CD BSP-杜磊
tlog.zip	2.26 MB	2023-01-04	物联网测试组_CDTS 段小刚
VX1-touch-error.txt	677 KB	2023-01-07	CD BSP-杜磊
vc1触控失灵log.zip	15.1 MB	2023-01-09	物联网测试组_CDTS 段小刚