

3.0基站产品测试 - 错误 #4875

[3.0产品测试] 干扰规避测试中，干扰规避或者干扰恢复后，终端有时搜不到小区

2026-02-06 14:48 - 黄毅

状态:	新建	开始日期:	2026-02-06
优先级:	一般	计划完成日期:	
指派给:	李明新	% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
问题归属:	CU, DRV	目标解决问题版本:	Rel_3.1.4
发现问题版本:	Rel_3.1.4		

描述

测试版本：Rel3.1.4_Pre1T4版本
测试设备：军特整机192.168.8.234，网管：192.168.8.170
测试用例：干扰规避测试（前半段调跳频）
基站配置：7D2U
测试终端：星创CPE
测试场景：基站启动正常，终端接入做下行业务。打开信号源干扰前半段，触发干扰规避，取消干扰，小区恢复。反复3组，在第3次干扰恢复后，终端无法搜到小区。前2组都正常。

历史记录

#1 - 2026-02-07 09:14 - 惠帅帅

- 文件 du_0206 干扰规避.log 已添加

#2 - 2026-02-07 09:17 - 惠帅帅

- 文件 gnb.pcap 已添加

- 文件 gnb_du_20260130T010827_20260206091024_306.yzb.log 已添加

#3 - 2026-02-07 09:32 - 惠帅帅

结合 du_0206 干扰规避.log 和 gnb_du_xxx.log 分析，存在2个问题。

问题1：射频频点生效失败

两次触发间隔5分钟，第一次没有adidriver异常打印，频点修改正常；第二次有异常打印，频点修改异常。

第一次频点修改正常log截取

Feb 06 09:05:43 driver run.sh⁸³⁸: cmdStatusByte=0x0,eventCheck=5

Feb 06 09:05:43 driver run.sh⁸³⁸: The freq of TDD mode is : 5892420000

Feb 06 09:05:43 driver run.sh⁸³⁸: [06/02/2026 09:05:43.544][INF][t: 535132367728][MAC_COMM] Fapi_SetPRUFreq success

第二次频点修改异常log截取

Feb 06 09:10:46 driver run.sh⁸³⁸: cmdStatusByte=0x1,eventCheck=5

Feb 06 09:10:46 driver run.sh⁸³⁸: commonDev abort

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_cpu.c 1152 adi_adrv9025_CpuCmdStatusWait

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_hal.c 562 adi_adrv9025_SpiByteRead

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_cpu.c 971 adi_adrv9025_CpuCmdStatusOpcodeGet

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: private/src/adrv9025_bf_core.c 46 adrv9025_CoreArmCommandBusyBfGet

Feb 06 09:10:46 driver run.sh⁸³⁸: commonDev abort

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_cpu.c 1205 adi_adrv9025_CpuMailboxBusyGet

Feb 06 09:10:46 driver run.sh⁸³⁸: commonDev abort

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_cpu.c 1284 adi_adrv9025_CpuCmdWrite

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_radioctrl.c 2594 adi_adrv9025_PiIFrequencyGet

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_radioctrl.c 805 adi_adrv9025_RadioCtrlCfgSet

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_hal.c 562 adi_adrv9025_SpiByteRead

Feb 06 09:10:46 driver run.sh⁸³⁸: ERR RETURN: public/src/adi_adrv9025_cals.c 446 adi_adrv9025_TrackingCalsEnableSet

Feb 06 09:10:46 driver run.sh⁸³⁸: The freq of TDD mode is : 5879460000

Feb 06 09:10:46 driver run.sh⁸³⁸: [06/02/2026 09:10:46.017][INF][t: 535132367728][MAC_COMM] Fapi_SetPRUFreq success

问题2：业务小区建立成功时，调用API_PA_DynamicParaGet获取的动态功放通道状态都为-1(无效值)。

第一次获取的动态功放通道状态log截取

Feb 06 09:05:47 driver run.sh⁸³⁸: powerAmplifierInfo:staticType=1465445185,staticChannel=15,dynamicChannel=-1

Feb 06 09:05:47 driver run.sh⁸³⁸: get_cell_config /du-cell:DU-CELL/PRU_CONFIG/NR_CELL_PA_RTX_TYPE = 4

Feb 06 09:05:47 driver run.sh⁸³⁸: get_cell_config /du-cell:DU-CELL/PRU_CONFIG/NR_CELL_PA_CHANNEL = 4369

Feb 06 09:05:47 driver run.sh⁸³⁸: PA SET CHANNEL SAME

Feb 06 09:05:47 driver run.sh⁸³⁸: CELL¹ is UP!!!

第二次获取的动态功放通道状态log截取

```
Feb 06 09:10:49 driver run.sh838: powerAmplifierInfo:staticType=1465445185,staticChannel=15,dynamicChannel=-1
Feb 06 09:10:49 driver run.sh838: get_cell_config /du-cell:DU-CELL/PRU_CONFIG/NR_CELL_PA_RTX_TYPE = 4
Feb 06 09:10:49 driver run.sh838: get_cell_config /du-cell:DU-CELL/PRU_CONFIG/NR_CELL_PA_CHANNEL = 4369
Feb 06 09:10:49 driver run.sh838: PA SET CHANNEL SAME
Feb 06 09:10:49 driver run.sh838: CELL1 is UP!!!
```

备注：第一次业务正常而动态通道获取输出为-1无效值，说明可能只是API_PA_DynamicParaGet接口内部逻辑有问题，而实际生效的通道状态应该是正常的。

上述两个问题，需要明新这边定位一下~

#4 - 2026-02-07 09:32 - 惠帅帅

- 指派给从惠帅帅变更为李明新

文件

0206.rar	2.41 MB	2026-02-06	黄毅
0206_du打印.txt	85.7 KB	2026-02-06	黄毅
du_0206干扰规避.log	1.08 MB	2026-02-07	惠帅帅
gnb.pcap	328 KB	2026-02-07	惠帅帅
gnb_du_20260130T010827_20260206091024_306.yzb.log	9.37 MB	2026-02-07	惠帅帅