

3.0基站产品测试 - 错误 #5375

3.2.2pre1T4版本切换时ap_driver有 “ Diginal channel0 power too high! ” 功率超限打印导致切换失败

2026-06-04 16:41 - 孙浩

状态:	已解决	开始日期:	2026-06-04
优先级:	一般	计划完成日期:	
指派给:	孙浩	% 完成:	100%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
问题归属:	DRV, FPGA	目标解决问题版本:	Rel_3.2.2
发现问题版本:	Rel_3.2.2		

描述

【问题描述】3.2.2pre1T4版本切换时ap_driver有 “ Diginal channel0 power too high! ” 功率超限打印导致切换失败，失败瞬间终端接入不了；

【问题分析】分析为峰值功率超限，均值功率正常，需要继续定位；

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UE is configured with dedicated PID [17]
HANDIN UE CONTEXT ADDITION SUCCESSFUL[17030]
UE is configured with dedicated PID [18]
HANDIN UE CONTEXT ADDITION SUCCESSFUL[17031]
UE is configured with dedicated PID [19]
HANDIN UE CONTEXT ADDITION SUCCESSFUL[17027]
UE is configured with dedicated PID [20]
HANDIN UE CONTEXT ADDITION SUCCESSFUL[17019]
UE is configured with dedicated PID [21]
HANDIN UE CONTEXT ADDITION SUCCESSFUL[17028]
Diginal channel0 power too high!
Diginal channel0 power too high!
Diginal channel0 power too high!
Diginal channel0 power too high!
Diginal channel0 power too high!
```

No.	Time	Source	Source port	Destination	Destination	Protocol	C-RNTI	Info	DU-UE	CU-UE	UE-NGAP	measId	5G
6596	14:38:56.799180	192.168.68.236	38473	192.168.68.236	38472	F1AP/NR	RRC	ULRRcMessageTransfer, RRC Reconfiguration Complete MAC=0xe492fae4	17	17			
6597	14:38:56.860495	192.168.68.236	38473	192.168.68.236	38472	F1AP/NR	RRC	ULRRcMessageTransfer, Measurement Report MAC=0xc4d513b1	17	17			2
6604	14:38:57.490526	192.168.68.236	38473	192.168.68.236	38472	F1AP/NR	RRC	ULRRcMessageTransfer, Measurement Report MAC=0xfdf11a046	17	17			3
6605	14:38:57.492730	192.168.68.236	38423	192.168.68.236	38422	XnAP		HandoverRequest, RRC Reconfiguration[Malformed Packet]					1,2,3
6606	14:38:57.511943	192.168.68.236	38422	192.168.68.236	38423	XnAP		HandoverRequestAcknowledge, RRC Reconfiguration					
6607	14:38:57.520170	192.168.68.236	38472	192.168.68.236	38473	F1AP/NR	RRC	UEContextModificationRequest, RRC Reconfiguration MAC=0xb5fff77e	17	17			
6608	14:38:57.522998	192.168.68.236	38473	192.168.68.236	38472	F1AP		UEContextModificationResponse	17	17			
6609	14:38:57.525009	192.168.68.236	38423	192.168.68.236	38422	XnAP		SINStatusTransfer					
6610	14:38:57.568557	192.168.68.236	38422	192.168.68.236	38423	XnAP		UEContextRelease					
6611	14:38:57.569016	192.168.68.236	38472	192.168.68.236	38473	F1AP		UEContextReleaseCommand	17	17			
6612	14:38:57.569157	192.168.68.236	38473	192.168.68.236	38472	F1AP		UEContextReleaseComplete	17	17			
6901	14:40:13.396534	192.168.68.13	38412	192.168.68.236	38412	NGAP		Paging					
6902	14:40:13.398014	192.168.68.236	38472	192.168.68.236	38473	F1AP		Paging					

历史记录

#1 - 2026-06-05 21:23 - 赵燕明

- 状态从新建变更为进行中

- % 完成从0 变更为40

出测试版本，检测到发生PA功率保护后，保存当时的DPD功率到ap_driver的log文件中，峰值门限由-1dbfs调整为-0.2dbfs。

#2 - 2026-06-15 10:42 - 赵燕明

- 状态从进行中变更为反馈

- 指派给从赵燕明变更为孙浩

- % 完成从40 变更为100

功率保护峰值门限调整为-0.054dbfs后语音切换测试正常

#3 - 2026-06-15 11:30 - 孙浩
- 状态从反馈变更为审视
- 指派给从孙浩变更为赵燕明

#4 - 2026-06-15 11:30 - 孙浩
- 状态从审视变更为转测试
- 指派给从赵燕明变更为孙浩
- 问题归属已删除(DU)

#5 - 2026-06-15 13:41 - 孙浩
- 状态从转测试变更为已解决

赵燕明重新出ap_driver (功率保护峰值门限调整为-0.054dbfs) 后切换40多次未再出现功率超限打印, 切换均正常, 问题解决。

文件

du界面打印截图.jpg	107 KB	2026-06-04	孙浩
切换失败截图.jpg	342 KB	2026-06-04	孙浩
3.2.2pre1T4版本cpe下行ftp切换异常, 打印功率超限-0604.rar	23.8 MB	2026-06-04	孙浩