

2.0基站产品化测试 - 错误 #2588

16p_T0异频ng的乒乓切换偶发终端异常掉线然后很快接入切换又掉线，异频xn乒乓切换也有此问题

2024-12-20 16:01 - 孙浩

状态:	新建	开始日期:	2024-12-20
优先级:	低	计划完成日期:	
指派给:	周立伟	% 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:	DU, PHY	FPGA板卡类型:	
发现问题版本:	Rel_2.1.16P	CPU类型:	
目标解决问题版本:	Rel_2.1.16P		

描述

【环境信息】：核心网（rel_3.2.3_pre7）+bbu(宝德服务器、Rel_2.1.16P_Pre1T0版本)+pru(3.5G)+yzmm（YZMM2.1.0Pre1T10）

【参数配置】：大上行子帧配比

【问题描述】：基站Rel_2.1.16P_Pre1T0版本，16p_T0异频ng的乒乓切换偶发终端异常掉线然后很快接入切换又掉线，异频xn乒乓切换也有此问题；

【问题频率】：必现

【问题影响】：产品性能

【问题分析】：16p_T0异频ng的乒乓切换偶发终端异常掉线然后很快接入切换又掉线（终端峰值灌包下），异频xn乒乓切换也有此问题，需要du与phy侧分析；

1220-70-1457.pcap														
文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(V) 无线(W) 工具(T) 帮助(H)														
flap ngap sdap nr-rrc xnapp														
No.	Time	Source	Source IP	Destination	Destination IP	Protocol	C-RNTI	Info	DU-UE	CU-UE	UE-NGAP	measId	5G-TMSI	
2719	14:59:33.634818	192.168.62.10	38412	192.168.62.70	38412	NGAP		HandoverRequest					1,2,3	
2721	14:59:33.642473	192.168.62.70	38472	192.168.62.70	38473	FIAP		UEContextSetupRequest, RRC Reconfiguration		80			1,2,3	
2722	14:59:33.645842	192.168.62.70	38473	192.168.62.70	38472	FIAP	17017	UEContextSetupResponse	80	80				
2723	14:59:33.652582	192.168.62.70	38412	192.168.62.10	38412	NGAP		HandoverRequestAcknowledge			80			
2724	14:59:33.666130	192.168.62.10	38412	192.168.62.70	38412	NGAP		DownlinkRANStatusTransfer			80			
2725	14:59:33.743732	192.168.62.70	38473	192.168.62.70	38472	FIAP/NR RRC		ULRRCCMessageTransfer, RRC Reconfiguration Complete MAC=0x96ccb929	80	80				
2727	14:59:33.744299	192.168.62.70	38412	192.168.62.10	38412	NGAP		HandoverNotify			80			
2728	14:59:33.745480	192.168.62.70	38472	192.168.62.70	38473	FIAP		UEContextModificationRequest	80	80				
2729	14:59:33.746174	192.168.62.70	38473	192.168.62.70	38472	FIAP		UEContextModificationResponse	80	80				
2730	14:59:33.746553	192.168.62.70	38472	192.168.62.70	38473	FIAP/NR RRC		DLRRCCMessageTransfer, RRC Reconfiguration Complete MAC=0x8ec17d1e	80	80			1,2,3	
2731	14:59:33.760600	192.168.62.70	38473	192.168.62.70	38472	FIAP/NR RRC		ULRRCCMessageTransfer, RRC Reconfiguration Complete MAC=0x5efcf0dc	80	80				
2732	14:59:33.820482	192.168.62.70	38473	192.168.62.70	38472	FIAP/NR RRC		ULRRCCMessageTransfer, Measurement Report MAC=0xfb729087	80	80			2	
2741	14:59:36.994482	192.168.62.70	38473	192.168.62.70	38472	FIAP		UEContextReleaseRequest	80	80				
2742	14:59:36.995293	192.168.62.70	38412	192.168.62.10	38412	NGAP		UEContextReleaseRequest			80			
2743	14:59:36.997848	192.168.62.10	38412	192.168.62.70	38412	NGAP		Paging						
2744	14:59:36.998390	192.168.62.70	38472	192.168.62.70	38473	FIAP		Paging						
2745	14:59:37.179788	192.168.62.10	38412	192.168.62.70	38412	NGAP		Paging, UEContextReleaseCommand			80			
2747	14:59:37.180420	192.168.62.70	38472	192.168.62.70	38473	FIAP		HandoverRequestAcknowledge	80	80				
2749	14:59:37.180529	192.168.62.70	38473	192.168.62.70	38472	FIAP		UEContextReleaseComplete	80	80				
2750	14:59:37.186221	192.168.62.70	38412	192.168.62.10	38412	NGAP		UEContextReleaseComplete			80			
2775	14:59:42.986513	192.168.62.10	38412	192.168.62.70	38412	NGAP		Paging						
2776	14:59:42.986849	192.168.62.70	38472	192.168.62.70	38473	FIAP		Paging						
2777	14:59:43.164288	192.168.62.10	38412	192.168.62.70	38412	NGAP		Paging						
3152	15:01:19.122261	192.168.62.10	38412	192.168.62.70	38412	NGAP		Paging						
3153	15:01:19.122394	192.168.62.70	38472	192.168.62.70	38473	FIAP		Paging						
3154	15:01:19.267413	192.168.62.10	38412	192.168.62.70	38412	NGAP		Paging						
3178	15:01:25.134637	192.168.62.10	38412	192.168.62.70	38412	NGAP		HandoverRequest					1,2,3	
3180	15:01:25.141917	192.168.62.70	38472	192.168.62.70	38473	FIAP		UEContextSetupRequest, RRC Reconfiguration		81			1,2,3	
1220-40-1454.pcap														
文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(V) 无线(W) 工具(T) 帮助(H)														
flap ngap sdap nr-rrc xnapp														
No.	Time	Source	Source IP	Destination	Destination IP	Protocol	C-RNTI	Info	DU-UE	CU-UE	UE-NGAP	measId	5G-TMSI	MSIN
9602	15:04:26.786709	192.168.62.10	38412	192.168.62.40	38412	NGAP		HandoverRequest					1,2,3	
9606	15:04:26.793760	192.168.62.40	38472	192.168.62.40	38473	FIAP		UEContextSetupRequest, RRC Reconfiguration		250			1,2,3	
9607	15:04:26.797441	192.168.62.40	38473	192.168.62.40	38472	FIAP	17141	UEContextSetupResponse	250	250				
9608	15:04:26.804372	192.168.62.40	38412	192.168.62.10	38412	NGAP		HandoverRequestAcknowledge			250			
9609	15:04:26.832253	192.168.62.10	38412	192.168.62.40	38412	NGAP		DownlinkRANStatusTransfer			250			
9610	15:04:26.895715	192.168.62.40	38473	192.168.62.40	38472	FIAP/NR RRC		ULRRCCMessageTransfer, RRC Reconfiguration Complete MAC=0xe4033ad7	250	250				
9612	15:04:26.896210	192.168.62.40	38412	192.168.62.10	38412	NGAP		HandoverNotify			250			
9613	15:04:26.897420	192.168.62.40	38472	192.168.62.40	38473	FIAP		UEContextModificationRequest	250	250				
9614	15:04:26.898196	192.168.62.40	38473	192.168.62.40	38472	FIAP		UEContextModificationResponse	250	250				
9615	15:04:26.898550	192.168.62.40	38472	192.168.62.40	38473	FIAP/NR RRC		DLRRCCMessageTransfer, RRC Reconfiguration Complete MAC=0xccc2ad792	250	250			1,2,3	
9626	15:04:30.026648	192.168.62.40	38473	192.168.62.40	38472	FIAP		UEContextReleaseRequest	250	250				
9627	15:04:30.027521	192.168.62.40	38412	192.168.62.10	38412	NGAP		UEContextReleaseRequest			250			
9628	15:04:30.028851	192.168.62.10	38412	192.168.62.40	38412	NGAP		UEContextReleaseCommand			250			
9629	15:04:30.029608	192.168.62.40	38472	192.168.62.40	38473	FIAP		UEContextReleaseCommand	250	250				
9630	15:04:30.029707	192.168.62.40	38473	192.168.62.40	38472	FIAP		UEContextReleaseComplete	250	250				
9631	15:04:30.036422	192.168.62.40	38412	192.168.62.10	38412	NGAP		UEContextReleaseComplete			250			
9632	15:04:30.036474	192.168.62.10	38412	192.168.62.40	38412	NGAP		Paging						
9633	15:04:30.037077	192.168.62.40	38472	192.168.62.40	38473	FIAP		Paging						
9634	15:04:30.182452	192.168.62.10	38412	192.168.62.40	38412	NGAP		Paging						
9661	15:04:36.018600	192.168.62.10	38412	192.168.62.40	38412	NGAP		Paging						
9662	15:04:36.018963	192.168.62.40	38472	192.168.62.40	38473	FIAP		Paging						
9761	15:05:00.893698	192.168.62.40	38473	192.168.62.40	38472	FIAP/NR RRC	17142	InitialULRRCCMessageTransfer, RRC Setup Request	251					
9762	15:05:00.894488	192.168.62.40	38472	192.168.62.40	38473	FIAP/NR RRC		DLRRCCMessageTransfer, RRC Setup	251	251				
9763	15:05:00.932423	192.168.62.40	38473	192.168.62.40	38472	FIAP/NR RRC/L		ULRRCCMessageTransfer, RRC Setup Complete, Registration request, Registration...	251	251			1990 (0x000000..	
9764	15:05:00.933501	192.168.62.40	38412	192.168.62.10	38412	NGAP/NAS-SGS-		InitialUEMessage, Registration request, Registration request			251		1990 (0x000000..	
9765	15:05:00.934406	192.168.62.10	38412	192.168.62.40	38412	NGAP/NAS-SGS-		DownlinkNASTransport, Identity request						
9766	15:05:00.934615	192.168.62.40	38472	192.168.62.40	38473	FIAP/NR RRC/L		DLRRCCMessageTransfer, DL Information Transfer, Identity response MAC=0xb00000..	251	251				
9767	15:05:01.018238	192.168.62.40	38473	192.168.62.40	38472	FIAP/NR RRC/L		ULRRCCMessageTransfer, UL Information Transfer, Identity response MAC=0xb00000..	251	251				0000000009
9768	15:05:01.018596	192.168.62.40	38412	192.168.62.10	38412	NGAP/NAS-SGS		UplinkNASTransport, Identity response			251			0000000009
9769	15:05:01.023480	192.168.62.10	38412	192.168.62.40	38412	NGAP/NAS-SGS		DownlinkNASTransport, Authentication request			251			

历史记录

#1 - 2024-12-25 09:35 - 周立伟

- 优先级从普通变更为低

#2 - 2024-12-26 16:27 - 孙浩

- 文件 异频xn切换单天线无业务-1226.part02.rar 已添加

基于在16p_T1版本：
1> 验证“异频ng的乒乓切换偶发终端异常掉线（峰值灌包）”，“异频xn的乒乓切换偶发终端异常掉线（峰值灌包）”此2个问题依然存在；
2> 继续验证“异频ng的乒乓切换偶发终端异常掉线（无灌包）”，“异频xn的乒乓切换偶发终端异常掉线（无灌包）”下也有此类问题；

文件

掉线1.jpg	517 KB	2024-12-20	孙浩
掉线2.jpg	596 KB	2024-12-20	孙浩
异频ng的乒乓切换偶发终端掉线日志-1220.part03.rar	46.7 MB	2024-12-20	孙浩
异频ng的乒乓切换偶发终端掉线日志-1220.part02.rar	100 MB	2024-12-20	孙浩
异频ng的乒乓切换偶发终端掉线日志-1220.part01.rar	100 MB	2024-12-20	孙浩
异频xn切换单天线无业务-1226.part02.rar	17.6 MB	2024-12-26	孙浩