

2.0基站产品化测试 - 错误 #2505

【同频组网特性】，10个ue接入，某些slot出现phy层已经上报该ue的srs上报的snr值，但是du并没有做边缘用户或者中心用户的判断

2024-12-07 10:30 - 王 旭初

状态:	已解决	开始日期:	2024-12-07
优先级:	普通	计划完成日期:	
指派给:		% 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	FPGA板卡类型:	
发现问题版本:	Rel_2.1.15P	CPU类型:	
目标解决问题版本:	Rel_2.1.16P		

描述

如下图所示：

du_log里在13:47:14.641：显示17083没有上报SRS，且在下一个系统帧里只对17091、17092做了边缘或中心用户的判断

```
2404440: [12-06 13:47:14.521][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2404636: [12-06 13:47:14.531][DBG_07]ICIC judge by SRS IND: ueId[17091] RSRP[-93]-[rsrpl:-93 rsrp2:0 thr:-85] isInCellEdge[1]
2404640: [12-06 13:47:14.531][DBG_07]ICIC judge by SRS IND: ueId[17092] RSRP[-74]-[rsrpl:-74 rsrp2:0 thr:-85] isInCellEdge[0]
2405201: [12-06 13:47:14.561][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2405341: [12-06 13:47:14.571][ERR_26]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17091]
2405904: [12-06 13:47:14.601][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2406115: [12-06 13:47:14.611][DBG_26]ICIC judge by SRS IND: ueId[17091] RSRP[-92]-[rsrpl:-92 rsrp2:0 thr:-85] isInCellEdge[1]
2406119: [12-06 13:47:14.611][DBG_26]ICIC judge by SRS IND: ueId[17092] RSRP[-74]-[rsrpl:-74 rsrp2:0 thr:-85] isInCellEdge[0]
2406670: [12-06 13:47:14.641][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2406814: [12-06 13:47:14.651][DBG_26]ICIC judge by SRS IND: ueId[17091] RSRP[-94]-[rsrpl:-94 rsrp2:0 thr:-85] isInCellEdge[1]
2406818: [12-06 13:47:14.651][DBG_26]ICIC judge by SRS IND: ueId[17092] RSRP[-75]-[rsrpl:-75 rsrp2:0 thr:-85] isInCellEdge[0]
2407409: [12-06 13:47:14.661][ERR_26]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2407603: [12-06 13:47:14.691][DBG_26]ICIC judge by SRS IND: ueId[17091] RSRP[-92]-[rsrpl:-92 rsrp2:0 thr:-85] isInCellEdge[1]
2407607: [12-06 13:47:14.691][DBG_26]ICIC judge by SRS IND: ueId[17092] RSRP[-74]-[rsrpl:-74 rsrp2:0 thr:-85] isInCellEdge[0]
2408265: [12-06 13:47:14.721][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2408393: [12-06 13:47:14.731][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17091]
2408994: [12-06 13:47:14.761][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2409170: [12-06 13:47:14.771][DBG_26]ICIC judge by SRS IND: ueId[17091] RSRP[-90]-[rsrpl:-90 rsrp2:0 thr:-85] isInCellEdge[1]
2409174: [12-06 13:47:14.771][DBG_26]ICIC judge by SRS IND: ueId[17092] RSRP[-76]-[rsrpl:-76 rsrp2:0 thr:-85] isInCellEdge[0]
2409727: [12-06 13:47:14.801][ERR_26]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2409853: [12-06 13:47:14.811][DBG_26]ICIC judge by SRS IND: ueId[17091] RSRP[-93]-[rsrpl:-93 rsrp2:0 thr:-85] isInCellEdge[1]
2409857: [12-06 13:47:14.811][DBG_26]ICIC judge by SRS IND: ueId[17092] RSRP[-76]-[rsrpl:-76 rsrp2:0 thr:-85] isInCellEdge[0]
2410451: [12-06 13:47:14.841][ERR_26]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2410690: [12-06 13:47:14.851][DBG_07]ICIC judge by SRS IND: ueId[17091] RSRP[-92]-[rsrpl:-92 rsrp2:0 thr:-85] isInCellEdge[1]
2410694: [12-06 13:47:14.851][DBG_07]ICIC judge by SRS IND: ueId[17092] RSRP[-77]-[rsrpl:-77 rsrp2:0 thr:-85] isInCellEdge[0]
2411218: [12-06 13:47:14.881][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2411395: [12-06 13:47:14.891][ERR_26]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17091]
2411925: [12-06 13:47:14.920][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2412157: [12-06 13:47:14.930][DBG_26]ICIC judge by SRS IND: ueId[17091] RSRP[-91]-[rsrpl:-91 rsrp2:0 thr:-85] isInCellEdge[1]
2412161: [12-06 13:47:14.930][DBG_26]ICIC judge by SRS IND: ueId[17092] RSRP[-75]-[rsrpl:-75 rsrp2:0 thr:-85] isInCellEdge[0]
2412658: [12-06 13:47:14.960][ERR_07]ysUlmHdlSrsInd:cqi_valid_flag[0],ue[17083]
2412838: [12-06 13:47:14.970][DBG_26]ICIC judge by SRS IND: ueId[17091] RSRP[-97]-[rsrpl:-97 rsrp2:0 thr:-85] isInCellEdge[1]
2412842: [12-06 13:47:14.970][DBG_26]ICIC judge by SRS IND: ueId[17092] RSRP[-75]-[rsrpl:-75 rsrp2:0 thr:-85] isInCellEdge[0]
```

但是看同一个时间点的phy日志，在13:47:14.641其实是上报了5个ue的SRS：17085、17086、17087、17088、17089（确实没有17083）

```
Line 1529937: [12-06 13:47:14.601][INFO ]SRS_MEAS[17089]_Algo[0]: Port0:[RSRP=-91,RSIP=-104,SINR=13], Port1:[RSRP=0,RSIP=-104,SINR=0], TA[30] RI=[1] PMI[0 0]
Line 1529939: [12-06 13:47:14.601][INFO ]SRS_MEAS[17090]_Algo[0]: Port0:[RSRP=-79,RSIP=-98,SINR=19], Port1:[RSRP=0,RSIP=-98,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530068: [12-06 13:47:14.611][INFO ]SRS_MEAS[17091]_Algo[0]: Port0:[RSRP=-92,RSIP=-110,SINR=18], Port1:[RSRP=0,RSIP=-110,SINR=0], TA[30] RI=[1] PMI[0 0]
Line 1530070: [12-06 13:47:14.611][INFO ]SRS_MEAS[17092]_Algo[0]: Port0:[RSRP=-74,RSIP=-103,SINR=29], Port1:[RSRP=0,RSIP=-103,SINR=0], TA[30] RI=[1] PMI[0 0]
Line 1530429: [12-06 13:47:14.641][INFO ]SRS_MEAS[17085]_Algo[0]: Port0:[RSRP=-78,RSIP=-107,SINR=29], Port1:[RSRP=0,RSIP=-107,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530431: [12-06 13:47:14.641][INFO ]SRS_MEAS[17086]_Algo[0]: Port0:[RSRP=-77,RSIP=-110,SINR=33], Port1:[RSRP=0,RSIP=-110,SINR=0], TA[30] RI=[1] PMI[0 0]
Line 1530433: [12-06 13:47:14.641][INFO ]SRS_MEAS[17087]_Algo[0]: Port0:[RSRP=-76,RSIP=-103,SINR=27], Port1:[RSRP=0,RSIP=-103,SINR=0], TA[30] RI=[1] PMI[0 0]
Line 1530435: [12-06 13:47:14.641][INFO ]SRS_MEAS[17088]_Algo[0]: Port0:[RSRP=-74,RSIP=-103,SINR=29], Port1:[RSRP=0,RSIP=-103,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530437: [12-06 13:47:14.641][INFO ]SRS_MEAS[17089]_Algo[0]: Port0:[RSRP=-89,RSIP=-102,SINR=13], Port1:[RSRP=0,RSIP=-102,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530439: [12-06 13:47:14.641][INFO ]SRS_MEAS[17090]_Algo[0]: Port0:[RSRP=-80,RSIP=-101,SINR=21], Port1:[RSRP=0,RSIP=-101,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530558: [12-06 13:47:14.650][INFO ]SRS_MEAS[17091]_Algo[0]: Port0:[RSRP=-94,RSIP=-110,SINR=16], Port1:[RSRP=0,RSIP=-110,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530560: [12-06 13:47:14.650][INFO ]SRS_MEAS[17092]_Algo[0]: Port0:[RSRP=-75,RSIP=-94,SINR=19], Port1:[RSRP=0,RSIP=-94,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530917: [12-06 13:47:14.681][INFO ]SRS_MEAS[17084]_Algo[0]: Port0:[RSRP=-87,RSIP=-104,SINR=17], Port1:[RSRP=0,RSIP=-104,SINR=0], TA[30] RI=[1] PMI[0 0]
Line 1530919: [12-06 13:47:14.681][INFO ]SRS_MEAS[17085]_Algo[0]: Port0:[RSRP=-75,RSIP=-98,SINR=23], Port1:[RSRP=0,RSIP=-98,SINR=0], TA[31] RI=[1] PMI[0 0]
Line 1530921: [12-06 13:47:14.681][INFO ]SRS_MEAS[17086]_Algo[0]: Port0:[RSRP=-75,RSIP=-100,SINR=25], Port1:[RSRP=0,RSIP=-100,SINR=0], TA[30] RI=[1] PMI[0 0]
```

初步判断，du处理逻辑存在问题，即出现1个ue不上报srs，后面的ue就都不会判断。即17083不判断符合逻辑，因为确实没有上报，但是17085——17089还是需要正常判断。

历史记录

#1 - 2024-12-09 09:24 - 匿名用户

基线版本问题，函数处理逻辑存在问题，10UE的srs在同一消息中上报，当其中某一UE的srs上报无效值的，函数直接return，剩余UE的srs未处理；修改return，为continue，当一个UE的srs上报无效值的时候继续处理后续的UE，而不是直接返回。

测试验证OK。

#2 - 2024-12-24 16:51 - 匿名用户

- 状态 从 新建 变更为 转测试

-指派给 从匿名用户 变更为 周立伟

#3 - 2024-12-25 09:33 - 周立伟

-指派给 从周立伟 变更为 王旭初

已落入16P_T1版本。

#4 - 2025-01-21 10:09 - 王旭初

-状态 从 转测试 变更为 已解决

-指派给 已删除 (王旭初)

最新du包已解决，可正常做中心或者边缘用户的判断

文件

du_log.png	121 KB	2024-12-07	王旭初
phy_log.jpg	371 KB	2024-12-07	王旭初