

L1C同一个slot触发Pusch与Pucch时，会丢失对Pucch的参数填写与trigger

状态:	进行中	开始日期:	2025-08-04
优先级:	普通	计划完成日期:	
指派给:	王 金伏	% 完成:	10%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
描述			
L1C同一个slot触发Pusch与Pucch时，会丢失对Pucch的参数填写与trigger			

#1 - 2025-08-04 15:54 - 王金伏

- 文件 20250804-155357.jpg 已添加

【问题描述】终端侧PDSCH CRC OK，但是基站DU侧看收到的是DTX

【问题原因】L1C同一个slot触发Pusch与Pucch时，会丢失对Pucch的参数填写与trigger，造成终端侧PDSCH CRC OK，但是基站DU侧看收到的是DTX，因为此时L1C没trigger PUC。

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56 [INFO]PUSCH from L1c : 171 us Slot 7
57 [ERR][L1c Trigger pushe] sfn=474, slot=7, src core=4, src_apeid=4, dst_apeid=4
58 [ERR]PUSCH DM0:243400,APE_DM1:262144,APE_DM2:262144,APE_DM3:256960 slot:7 time 164
59 [INFO]Pusch from L1c : 211 us Slot 7
60 [ERR][L1c trigger pushe] sfn=475, slot=7, src core=4, src_apeid=4, dst_apeid=4
61 [ERR]PUSCH DM0:243400,APE_DM1:262144,APE_DM2:262144,APE_DM3:256960 slot:7 time 163
62 [INFO]Pusch from L1c : 211 us Slot 7
63
64 [ERR]0804 0002 sfn:477 curSlotIdx:3 dcislotIdx:1 dcill->slotIdx:1 pucchSlotIdx:8 kiValue:7 idx0:2
65
66
67
68 [ERR][L1c Trigger pushe] sfn=477, slot=7, src core=4, src_apeid=4, dst_apeid=4
69 [ERR]PUSCH DM0:243400,APE_DM1:262144,APE_DM2:262144,APE_DM3:256960 slot:7 time 163
70 [INFO]Pusch from L1c : 210 us Slot 7
71 [ERR]0804 0002 sfn:477 curSlotIdx:12 dcislotIdx:10 dcill->slotIdx:10 pucchSlotIdx:18 kiValue:8 idx0:2
72 [INFO]L1c fill format:slotIdx:18 listart:[13] nsym[1] ucipPayload[-128] ucipPayloadLen[1] SR[0] csMO[20] startingPrb[4]
73 [ERR][L1c Trigger pushe] sfn=477, slot=7, src core=4, src_apeid=4, dst_apeid=4
74 [ERR]WPUUCH APE_DM0:243400,APE_DM1:262144,APE_DM2:262144,APE_DM3:256960,slot:17 time:125 us
75 [INFO]PUSCH from L1c : 173 us Slot 17
76 [ERR]0804 0002 sfn:478 curSlotIdx:4 dcislotIdx:2 dcill->slotIdx:2 pucchSlotIdx:8 kiValue:6 idx0:2
77

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没有L1C trigger, 与PUSCH L1C冲突,都在slot7

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Line 66647: [04/08/2025 10:11:59.350][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[12] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[2] txCnt[1] rv[0] crntTime[445 13] pdsch[445 0] pucch[445 8]
Line 66662: [04/08/2025 10:11:59.358][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[12] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[2] rv[2] crntTime[446 9] pdsch[446 2] pucch[446 8]
Line 66743: [04/08/2025 10:11:59.394][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[13] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[1] rv[0] crntTime[450 10] pdsch[449 13] pucch[449 19]
Line 66820: [04/08/2025 10:11:59.433][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[2] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[1] rv[0] crntTime[454 0] pdsch[453 10] pucch[453 18]
Line 66900: [04/08/2025 10:11:59.470][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[0] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[1] rv[0] crntTime[457 13] pdsch[457 1] pucch[457 18]
Line 66945: [04/08/2025 10:11:59.478][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[4] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[1] rv[0] crntTime[459 15] pdsch[459 14] pucch[459 14]
Line 66990: [04/08/2025 10:11:59.480][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[3] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[2] txCnt[2] rv[2] crntTime[458 13] pdsch[458 2] pucch[458 8]
Line 67018: [04/08/2025 10:11:59.490][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[3] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[2] txCnt[3] rv[3] crntTime[459 13] pdsch[459 0] pucch[459 8]
Line 67020: [04/08/2025 10:11:59.490][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[9] lmc[5] rbStart[0] rBNum[15] tbSize[105] Ack/NAck[2] txCnt[1] rv[0] crntTime[459 13] pdsch[459 1] pucch[459 8]
Line 67042: [04/08/2025 10:11:59.593][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[1] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[1] rv[2] crntTime[460 10] pdsch[460 3] pucch[460 9]
Line 67049: [04/08/2025 10:11:59.500][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[3] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[2] txCnt[4] rv[1] crntTime[460 13] pdsch[460 2] pucch[460 8]
Line 67093: [04/08/2025 10:11:59.509][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[10] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[1] rv[0] crntTime[461 10] pdsch[461 3] pucch[461 9]
Line 67165: [04/08/2025 10:11:59.549][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[14] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[2] txCnt[1] rv[0] crntTime[465 13] pdsch[465 0] pucch[465 8]
Line 67202: [04/08/2025 10:11:59.588][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[14] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[2] rv[2] crntTime[466 9] pdsch[466 2] pucch[466 8]
Line 67328: [04/08/2025 10:11:59.633][DBG_07]rgSCHDMPrFdbkForTx: rnti:[17035] harqId[6] lmc[5] rbStart[0] rBNum[4] tbSize[48] Ack/NAck[1] txCnt[1] rv[0] crntTime[473 19] pdsch[473 10] pucch[473 10]

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【解决方案】

【问题验证】

#2 - 2025-08-04 16:00 - 王金伏

- 状态从新建变更为进行中

#3 - 2025-08-04 16:00 - 王金伏

- 文件已删除(20250804-155357.jpg)

#4 - 2025-08-04 16:00 - 王金伏

- 文件 20250804-155926.jpg 已添加

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5 [INFO]Pusch_Symbol_Process, start_sym 1, loop_cnt 0, end_symbol 14, rx_freqdata 9d94580, sfn 59396, slot 2
6 [INFO]pdsch_Symb done,slot:11,12 [153]us
7 [INFO]crc:0 slot:12 sfn:473
8 [INFO]send dl tb : 48 to Mac,state:21
9 [INFO]pdu_num[1] sfn[477][477] slot[1][1]
10 [INFO]rvIndex[0] harqProcessID[3] TBSize[48] RNTI[17035] nIdPusch[41] qamModOrder[2] mcsIndex[5] mcsTable[0] nrOfLayers[1] BWPStart[0] BWPSIZE[273] initialULBwpSize[273] rbStart[0] rbs
11 [INFO]Pusch_Symbol_Process, start_sym 1, loop_cnt 0, end_symbol 14, rx_freqdata a0e0800, sfn 59396, slot 2
12 [INFO]pdsch_Symb done,slot:2,3 [153]us
13 [INFO]crc:0 slot:3 sfn:477
14 [INFO]send dl tb : 48 to Mac,state:21 帧号477 slot1, 终端与基站帧号固定差20, 对应HARQID是3, CRC结果0 CRC OK, 新传RV=0,对应基站DU侧, HARQID是3 帧457 (slot 1) 确是DTX, 原因是L1C次数触发pus与pucc冲突触发了Pusch, 丢失了对puc的填写参数与触发。
15 [INFO]pdu_num[1] sfn[477][477] slot[10][10]
16 [INFO]rvIndex[0] harqProcessID[8] TBSize[48] RNTI[17035] nIdPusch[41] qamModOrder[2] mcsIndex[5] mcsTable[0] nrOfLayers[1] BWPStart[0] BWPSIZE[273] initialULBwpSize[273] rbStart[0] rbs
17 [INFO]Pusch_Symbol_Process, start_sym 1, loop_cnt 0, end_symbol 14, rx_freqdata 9d94580, sfn 59396, slot 2
18 [INFO]pdsch_Symb done,slot:11,12 [153]us
19 [INFO]crc:0 slot:12 sfn:477
20 [INFO]send dl tb : 48 to Mac,state:21
21 [INFO]pdu_num[1] sfn[479][479] slot[1][1]
22 [INFO]rvIndex[0] harqProcessID[9] TBSize[185] RNTI[17035] nIdPusch[41] qamModOrder[2] mcsIndex[5] mcsTable[0] nrOfLayers[1] BWPStart[0] BWPSIZE[273] initialULBwpSize[273] rbStart[0] rbs
23 [INFO]Pusch_Symbol_Process, start_sym 1, loop_cnt 0, end_symbol 14, rx_freqdata a0e0800, sfn 59396, slot 2
24 [INFO]pdsch_Symb done,slot:2,3 [157]us
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文件

20250804-155353.jpg	318 KB	2025-08-04	王 金 伏
20250804-155357.jpg	479 KB	2025-08-04	王 金 伏
20250804-155926.jpg	404 KB	2025-08-04	王 金 伏