

B5G_UE - 功能 #5647

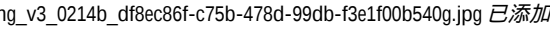
对当前的short BSR功能进行优化，在有两个及以上逻辑信道有数据待申请上行授权情况下，将所有逻辑信道的bo值相加后，映射一个bufferSize进行上行授权申请，逻辑信道组填写最高优先级的逻辑信道组ID

2026-08-10 09:50 - 刘 播雨

状态:	审视	开始日期:	2026-08-10
优先级:	一般	计划完成日期:	
指派给:	李 常	% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
描述			
【问题描述】：当逻辑信道1一直有数据（bo ² ）发送的情况下，由于只支持short BSR功能，当DRB的逻辑信道4上有大量数据待发送的情况下（bo ¹⁶¹⁸¹³⁰ ），发送的BSR申请的bufferSize按照逻辑信道1的bo进行申请，会出现基站授权大小一直比较小，整个数据无法达到峰值；			
【问题规避方案】：对当前的short BSR功能进行优化，在有两个及以上逻辑信道有数据待申请上行授权情况下，将所有逻辑信道的bo值相加后，映射一个bufferSize进行上行授权申请，逻辑信道组填写最高优先级的逻辑信道组ID			

历史记录

#1- 2026-08-10 09:53 - 刘 播雨

- 文件 已添加

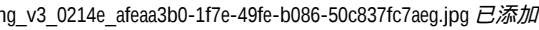
- 跟踪 从 错误 变更为 功能

- 状态 从 新建 变更为 进行中

20260807：合入自同步版本，验证能够达到预期结果，解决问题后测试结果如下：cb010b5a031e738608323111f8508e1ad5c89afc

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2981 [FAP 2019-02-14 10:13:49.015049[INFO ] | src/12/adap/cscc/vn5gNtUeFeSdapULtx.c:244 | vnProcSsdapPkt | enqueue to ul particuar ring 1 success
2982 [2019-02-14 10:13:49.015054[INFO ] | src/12/r1c/cscc/vn5gNtUeFeRlCmTx.c:68 | vnRlCmUpdateBo | Updated lcId[4] action[1] val[1481] Bo[953764], ringCnt[643]
2983 [2019-02-14 10:13:49.015063[TRACE] | src/12/r1c/cscc/vn5gNtUeFeRlCmTx.c:65 | vnRlCmUpdateBo | Updated lcId[4] action[1] val[1] Bo[953765], ringCnt[643] pkt[0x2b7716180]
2984 [2019-02-14 10:13:49.015098[TRACE] | src/12/r1c/cscc/vn5gNtUeFeRlCmTx.c:65 | vnRlCmUpdateBo | Updated lcId[4] action[2] val[439] Bo[953326], ringCnt[643] pkt[0x2b7716180]
2985 [2019-02-14 10:13:49.015107[TRACE] | src/12/r1c/cscc/vn5gNtUeFeRlCmTx.c:65 | vnRlCmUpdateBo | Updated lcId[4] action[1] val[4] Bo[953330], ringCnt[643] pkt[0x2b7716180]
2986 [2019-02-14 10:13:49.015113[INFO ] | src/12/r1c/cscc/vn5gNtUeFeRlCmTx.c:470 | vnRlCmSendRemainingPdus | Segmented packet sent to lower layer
2987 [2019-02-14 10:13:49.015120[INFO ] | src/12/r1c/cscc/vn5gNtUeFeRlCmTx.c:122 | vn5gNtUeFeRlCmTx | Received Transmission Opportunity: 20940 pkt num[15]
2988 [2019-02-14 10:13:49.015126[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:480 | vnShortBarRun | active lcId[4] MAC lc[0] lcState[2] bo[0]!
2989 [2019-02-14 10:13:49.015133[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:480 | vnShortBarRun | MAC lc[1] bufSz[5]!
2990 [2019-02-14 10:13:49.015139[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:501 | vnShortBarRun | MAC lc[2] bufSz[5]!
2991 [2019-02-14 10:13:49.015146[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:522 | vnShortBarRun | active lcId[4] MAC lc[2] lcState[2] bo[0]!
2992 [2019-02-14 10:13:49.015153[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:480 | vnShortBarRun | active lcId[4] MAC lc[4] lcState[2] bo[953330]!
2993 [2019-02-14 10:13:49.015159[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:480 | vnShortBarRun | MAC lc[4] bufSz[953333]!
2994 [2019-02-14 10:13:49.015166[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:501 | vnShortBarRun | active lcId[4] MAC lc[3] lcState[0] bo[0]!
2995 [2019-02-14 10:13:49.015172[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:480 | vnShortBarRun | active lcId[4] MAC lc[5] lcState[0] bo[0]!
2996 [2019-02-14 10:13:49.015179[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:480 | vnShortBarRun | MAC log[2] lc[5] bufSz[0][953333]!
2997 [2019-02-14 10:13:49.015185[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:535 | vnTempShrtBar | MAC log[0] bufSz[5]!
2998 [2019-02-14 10:13:49.015192[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:390 | vnTempShrtBar | MAC log[2] bufSz[953333]!
2999 [2019-02-14 10:13:49.015198[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:417 | vnTempShrtBar | MAC log[0] bufSz[0]!
3000 [2019-02-14 10:13:49.015204[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:417 | vnTempShrtBar | MAC log[0] bufSz[0]!
3001 [2019-02-14 10:13:49.015211[INFO ] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:250 | vnMacHuxFdu | Adding fixed header for MAC CE, lcId[61]
3002 [2019-02-14 10:13:49.015219[DEB0G] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:467 | vnMacHuxFdu | macDlBbHdr res[0] f[0] lcId[61] rlcsl[0x0] data_len[2] DATA:[3d]/[1f]/[0]/[0]/[0]/[0]/[0]/[0]/[0]/[0]
3003 [2019-02-14 10:13:49.015228[ERROR] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:487 | vnMacHuxFdu | devID[65535], pktBuff->data_len: 2, rlcsl[0x0] macCb->tbsize0: 12, macCb->tb: 20985, tbsize: 10, nbasgs 1, DATA:[3d]/[1f]/[0]/[0]/[0]/[0]/[0]/[0]/[0]/[0]
3004 [2019-02-14 10:13:49.015236[ERROR] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:712 | vnMacHuxFdu | MAC tb padding, tlen[20985] pduHm[1] padHdr0[0x3f] padHm[0x3f] res[0] lcId[63]
3005 [2019-02-14 10:13:49.015248[DEB0G] | src/ueapp/test/vn5gNtUeFeLlcSocket.c:3880 | vnSendDlSchToFapi | ulTbReq->msgRnti:0, ulTbReq->rntiType:2, ulTbReq->bufferId:0, ulTbReq->tbsize:20997, ulTbReq->payload:[44]/[4]/[e0]/[80]/[f8]/[0]/[fe]
3006 [2019-02-14 10:13:49.015255[INFO ] | src/ueapp/test/vn5gNtUeFeLlcSocket.c:3884 | vnSendDlSchToFapi | RFI_TRANSFER_TEST:ulTbReq->tbsize[20997]
3007 [2019-02-14 10:13:49.015267[DEB0G] | src/ueapp/test/vn5gNtUeFeLlcSocket.c:1930 | vnFapiMsgSendULtb | FAPI_msg,U[0x35],sendULtbReq 0
3008 [2019-02-14 10:13:49.015275[DEB0G] | src/ueapp/test/vn5gNtUeFeLlcSocket.c:1958 | vnFapiMsgSendULtb | msg_transfer_send_msg success planeFlag[1],FAPI_MSG_TYPE_UL_TB_REQ, msg length[21012],sendULtbReq 0
3009 [2019-02-14 10:13:49.015284[DEB0G] | src/12/mac/cscc/vn5gNtUeFeMacBar.c:140 | vn5gNtUeFeMacBar.c:524 | vnMacULSchRun | SR count:[0] and send SR to PHY
3010 [2019-02-14 10:13:49.015291[INFO ] | src/ueapp/test/vn5gNtUeFeLlcSocket.c:1974 | vnFapiMsgSend | sendULtbReq 0
3011 [2019-02-14 10:13:49.015305[DEB0G] | src/ueapp/test/vn5gNtUeFeLlcSocket.c:2109 | vnFapiMsgSend | FAPI_msg,U[0x39]
3012 [2019-02-14 10:13:49.015313[DEB0G] | src/ueapp/test/vn5gNtUeFeLlcSocket.c:2361 | vnFapiMsgSend | msg_transfer send msg success,Msg[0x19], msg length[0],sendULtbReq 0
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#2- 2026-08-10 09:58 - 刘 播雨

- 文件 已添加

- 状态 从 进行中 变更为 审视

- 指派给 从 刘 播雨 变更为 李 常

出问题时log截图如下：

img_v3_0214b_df8ec86f-c75b-478d-99db-f3e1f00b540g.jpg	745 KB	2026-08-10	刘播雨
img_v3_0214e_afeaa3b0-1f7e-49fe-b086-50c837fc7aeg.jpg	808 KB	2026-08-10	刘播雨