

B5G_UE - 错误 #5403

IRN转DD成功，加衰减后，DD转IRN状态失败

2026-06-15 10:56 - 葛奇思

状态:	进行中	开始日期:	2026-06-15
优先级:	高	计划完成日期:	
指派给:	b jz	% 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

相关的问题:			
重复 B5G_UE - 错误 #5402: DD转IRN成功，加衰减后，IRN转到DD状态，DD没有建立连接	进行中	2026-06-15	

历史记录

#1 - 2026-06-15 10:58 - 葛奇思

- 文件 已添加
- 文件 已添加

```
575 [ERR]UE_Prach_Proc_Task, sfn=833, start_us:29
576 [ERR]Cv_Related_Ncs:0 prachFormat:10 logical_idx:0 lStart:2 preambleId:0
577 [ERR]timing_offset0 8814 ue_sample_diff 18 timing->direc 0
578 [INFO]Pdcch css for sib1 2 success :4
579 [ERR]timing_offset0 8832 ue_sample_diff 0 timing->direc 1
580 [INFO]Pdcch css for sib1 2 success :4
581 [ERR]timing_offset0 8832 ue_sample_diff 0 timing->direc 1
582 [INFO]Pdcch css for sib1 2 success :4
583 [ERR]timing_offset0 8830 ue_sample_diff 2 timing->direc 0
584 [INFO]Pdcch css for sib1 2 success :4
585 [ERR]timing_offset0 8830 ue_sample_diff 2 timing->direc 0
586 [INFO]Pdcch css for sib1 2 success :4
587 [INFO]3:1 node_type=3 len=0x0
588 [INFO]Node Type is :3 local devId:37019
589 [ERR][Dedicated] paramType 1
590 [ERR]ENTER DD CFG
591
```

最后收到OCUE状态

```

325 [INFO] taValue[31] RSRP[90] SINR[196]
326 [INFO] send SIB1 cb : 116 to Mac
327 [INFO] taValue[30] RSRP[90] SINR[195]
328 [INFO] send SIB1 cb : 116 to Mac
329 [INFO] taValue[30] RSRP[90] SINR[201]
330 [INFO] send SIB1 cb : 116 to Mac
331 [INFO] taValue[30] RSRP[90] SINR[196]
332 [INFO] send SIB1 cb : 116 to Mac
333 [INFO] taValue[31] RSRP[90] SINR[200]
334 [INFO] send SIB1 cb : 116 to Mac
335 [INFO] taValue[30] RSRP[90] SINR[198]
336 [INFO] send SIB1 cb : 116 to Mac
337 [INFO] taValue[30] RSRP[90] SINR[200]
338 [INFO] send SIB1 cb : 116 to Mac
339 [INFO] taValue[30] RSRP[90] SINR[197]
340 [INFO] send SIB1 cb : 116 to Mac
341 [INFO] taValue[30] RSRP[90] SINR[191]
342 [INFO] send SIB1 cb : 116 to Mac
343 [INFO] taValue[30] RSRP[90] SINR[196]
344 [INFO] send SIB1 cb : 116 to Mac
345 [INFO] taValue[30] RSRP[90] SINR[200]
346 [INFO] send SIB1 cb : 116 to Mac
347 [INFO] taValue[30] RSRP[90] SINR[193]
348 [INFO] send SIB1 cb : 116 to Mac
349 [INFO] taValue[30] RSRP[90] SINR[196]
350 [INFO] send SIB1 cb : 116 to Mac
351 [INFO] taValue[31] RSRP[90] SINR[195]
352 [INFO] send SIB1 cb : 116 to Mac
353 [INFO] taValue[30] RSRP[90] SINR[199]
354 [INFO] send SIB1 cb : 116 to Mac
355 [INFO] taValue[30] RSRP[90] SINR[198]
356 [INFO] send SIB1 cb : 116 to Mac
357 [INFO] taValue[30] RSRP[90] SINR[201]
358 [INFO] send SIB1 cb : 116 to Mac
359 [INFO] taValue[30] RSRP[90] SINR[192]
360 [INFO] send SIB1 cb : 116 to Mac
361 [INFO] taValue[30] RSRP[90] SINR[190]
362 [INFO] send SIB1 cb : 116 to Mac
363 [INFO] taValue[30] RSRP[90] SINR[197]
364 [INFO] send SIB1 cb : 116 to Mac
365 [INFO] taValue[30] RSRP[90] SINR[193]
366 [INFO] send SIB1 cb : 116 to Mac
367 [INFO] taValue[30] RSRP[90] SINR[192]
368 [INFO] send SIB1 cb : 116 to Mac
369 [INFO] taValue[31] RSRP[90] SINR[198]
370 [INFO] send SIB1 cb : 116 to Mac
371 [INFO] taValue[30] RSRP[90] SINR[190]
372 [INFO] send SIB1 cb : 116 to Mac
373 [INFO] taValue[30] RSRP[90] SINR[190]
374 [INFO] send SIB1 cb : 116 to Mac
375 [INFO] taValue[30] RSRP[90] SINR[197]
376 [INFO] send SIB1 cb : 116 to Mac
377 [INFO] taValue[30] RSRP[90] SINR[194]
378 [INFO] send SIB1 cb : 116 to Mac
379 [INFO] taValue[30] RSRP[90] SINR[196]
380 [INFO] send SIB1 cb : 116 to Mac
381 [INFO] taValue[30] RSRP[90] SINR[196]
382 [INFO] send SIB1 cb : 116 to Mac
383 [INFO] taValue[30] RSRP[90] SINR[199]
384 [INFO] send SIB1 cb : 116 to Mac
385 [INFO] taValue[30] RSRP[90] SINR[196]

```

物理层一直解对SIB1,但是没有切到UE状态继续接入

#2 - 2026-06-15 11:11 - 葛奇思

物理层观察到上报SIB1但是协议栈未收到SIB1消息, 上行消息可能堵塞

#3 - 2026-06-15 18:14 - 李常

- 状态从新建变更为进行中

#4 - 2026-06-15 18:30 - 葛奇思

- 指派给从葛奇思变更为刘播雨

#5 - 2026-06-16 10:01 - 刘播雨

- 文件img_v3_0212m_5fba88fd-379b-489e-ad36-f83282f53a1g.jpg 已添加

- 文件img_v3_0212m_159e635f-1328-4391-bfc4-812ccc9a5d9g.jpg 已添加

- 指派给从刘播雨变更为bjz

【问题分析】: 20260616: 接收线程已经收到PHY上报的消息, 但处理线程在收到cell search

report:消息后, 由于ueCb->cpCb->rrcCb->rrcSi->rrcSiStatus为0, 陷入while((ueCb->cpCb->rrcCb->rrcSi->rrcSiStatus & RRC_SIB1_REQ) != RRC_SIB1_REQ)

```

{
usleep(40000);
}

```

这段代码的死循环中无法跳出, 导致没有办法处理收到的消息; 待RRC先确认ueCb->cpCb->rrcCb->rrcSi->rrcSiStatus为0的原因;

```

23755 [2026-06-15 10:09:01.085552][DEBUG] src/12/mac/csrc/wnPeMacSch.c+6583 | wnSendSlotTypeWithHSslot | loop[7], slotIdx[7], slotType[9], PreHalf_devid[1], PostHalf_devid[1] ul6CurDevIdx[1] cmGcb.numDevice[2]
23760 [2026-06-15 10:09:01.085559][DEBUG] src/12/mac/csrc/wnPeMacSch.c+6583 | wnSendSlotTypeWithHSslot | loop[8], slotIdx[8], slotType[6], PreHalf_devid[1], PostHalf_devid[1] ul6CurDevIdx[1] cmGcb.numDevice[2]
23761 [2026-06-15 10:09:01.085566][DEBUG] src/12/mac/csrc/wnPeMacSch.c+6583 | wnSendSlotTypeWithHSslot | loop[9], slotIdx[9], slotType[6], PreHalf_devid[1], PostHalf_devid[1] ul6CurDevIdx[1] cmGcb.numDevice[2]
23762 [2026-06-15 10:09:01.085978][DEBUG] src/12/clms/csrc/ya_fapi_task.c+355 | yeDlm_FAPI_F11D1SubTmMsg | msg_transfer_send_success, C_PLANE
23763 [2026-06-15 10:09:01.085990][DEBUG] src/12/clms/csrc/ya_fapi_task.c+663 | yeDlm_FAPI_F11D1CellMsg | FAPI_msg, U[0x2]
23764 [2026-06-15 10:09:01.085998][DEBUG] src/12/clms/csrc/ya_fapi_task.c+674 | yeDlm_FAPI_F11D1CellMsg | msgHeader->msgNum[1]
23765 [2026-06-15 10:09:01.086027][DEBUG] src/12/clms/csrc/ya_fapi_task.c+695 | yeDlm_FAPI_F11D1CellMsg | msg_transfer_send_success, C_PLANE, send dlMeas SFN and SLOT [1000][11]
23766 [2026-06-15 10:09:01.086446][INFO ] src/12/clms/csrc/ya_fapi_task.c+2569 | wnFapiPhyRecvMsg | pSFindMsg->nMsgHdr.nMessageType[0x27], payload[172]!
23767 [2026-06-15 10:09:01.086459][DEBUG] src/ueapp/test/wn5gNtFapiSocket.c+738 | wnFapiHdlPhyToMacMsgNoDhHandle | FAPI_msg, D[0x27], msgNum[1], fapiIndPkt:[0x2af60400]
23768 [2026-06-15 10:09:01.086467][INFO ] src/ueapp/test/wn5gNtFapiSocket.c+850 | wnFapiHdlPhyToMacMsgNoDhHandle | RRC_msg_from_phy: Cell Search Report
23769 [2026-06-15 10:09:01.086474][DEBUG] src/ueapp/test/wn5gNtFapiSocket.c+868 | wnFapiHdlPhyToMacMsgNoDhHandle | rrcSiStatus [0]
23770 [2026-06-15 10:09:01.088019][TRACE] src/12/r1c/csrc/wn5gNtFapiR1cAmTx.c+228 | wnR1cAmTxPollRetTxTmrExpiry | Poll Timer lcid[2] txFmt[1] nextSn[1] nackCnt[0] txNextAck[1] isStatRepHandling[0] pollOnWindowStall[0]
23771 [2026-06-15 10:09:01.089478][INFO ] src/12/clms/csrc/ya_fapi_task.c+2510 | wnFapiPhyRecvMsg | Fapi_PhyRecvMsg tti time [1000, 18]
23772 [2026-06-15 10:09:01.089600][TRACE] src/12/r1c/csrc/wn5gNtFapiR1cAmTx.c+228 | wnR1cAmTxPollRetTxTmrExpiry | Poll Timer lcid[2] txFmt[2] nextSn[2] nackCnt[0] txNextAck[2] isStatRepHandling[0] pollOnWindowStall[0]
23773 [2026-06-15 10:09:01.090478][DEBUG] src/12/mac/csrc/wnPeMacSch.c+6398 | wnSendSlotTypeWithHSslot | dlSchedMm.sfn:[1001], dlSchedMm.slot:[10], cmGcb.asrRrcStatus:40, cmGcb.numDevice[2]
23774 [2026-06-15 10:09:01.090486][DEBUG] src/12/mac/csrc/wnPeMacSch.c+6399 | wnSendSlotTypeWithHSslot | uCurBfIdx:191, uCurIndex:101, uLocalIndex:12

```

```

m5gNrPsl1cSocket.c (src\ueapp\test) x  wn5gNrUePsMac.c (src\2\mac\csrc)  wn5gNrUePsMacRach.c (src\2\mac\csrc)  wn5gNrUePsMacSrc.c (src\2\mac\csrc)  wn5gNrUePsUeApp.c (src\ueapp\csrc)  wn5gNrUePsUeApp.h (src\ueapp\csrc)  ys_fapi_task.c (src\
vn5gNrPsl1cSocket.c
Symbol Name (Alt+L)
endif
ifdef_cplusplus
endif
ttiUpdated
sendUITbReq
grantTbSize
l1cCommMutex
g_rb
ifdef_ARM
wnFapiHdlPhyToMacMsg
wnFapiHdlPhyToMacMsgNoD
wnFapiMsgSendUITb
wnFapiMsgSend
endif
wnSocketSend
wnFillCmnChnCfgReq
wnFillRaCfgReq
wnFillMsg1CfgReq
wnSendCellSearchReq
wnSendPhyRelease
wnSendTaReq
ddFapiUlmHdlRachInd
ddapiUlmHdlSchInd
ddFapiUlmHdlCrchInd
RRC_SIB1_REQ Constant in wn5gNrUePsRrcInit.h (src\3\rrc\csrc) at line 139
131: #define NG_POOL_SZ 2000

```

#6 - 2026-06-16 20:19 - 李常

- 优先级从一般变更为高

#7 - 2026-06-18 10:40 - b jz

DD状态需要UU搜网，增加定时搜网功能。

#8 - 2026-06-18 11:48 - b jz

增加DD搜网后，中转UE状态。

#9 - 2026-06-18 17:41 - b jz

- 重复 错误 #5402: DD转IRN成功，加衰减后，IRN转到DD状态，DD没有建立连接已添加

文件

文件名	大小	日期	作者
img_v3_0212m_69638079-1ae4-49c0-b1a9-23aa4b3ab65g.jpg	950 KB	2026-06-15	葛奇思
img_v3_0212m_717918bf-ccbc-482c-8ee8-ca1a20bd82cg.jpg	144 KB	2026-06-15	葛奇思
img_v3_0212m_2cbad9f6-8ac7-4cad-afe1-3c655dc1f3fg.jpg	434 KB	2026-06-15	葛奇思
img_v3_0212m_5fba88fd-379b-489e-ad36-f83282f53a1g.jpg	456 KB	2026-06-16	刘播雨
img_v3_0212m_159e635f-1328-4391-bfc4-812ccc9a5d9g.jpg	453 KB	2026-06-16	刘播雨