

[自同步] 初始时偏概率性出现1500左右样点误差

2026-05-18 11:04 - 杨晋

状态:	进行中	开始日期:	2026-05-18
优先级:	一般	计划完成日期:	
指派给:	杨晋	% 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			
表现在两个问题： 问题一、PHY log打印的前两次初始时偏值差：1500样点+"频偏导致样点偏差/1s"，第二次值发给CP调整初始时偏，调整后可以对sib，后续接入流程完成。 问题二、PHY log打印的前两次初始时偏值差："频偏导致样点偏差/1s"，第二次值发给CP调整初始时偏，调整后不能对sib，然后PHY继续搜索mib得到初始时偏值，发现时偏值差：1500样点+"频偏导致样点偏差/1s"。			

历史记录

#1 - 2026-05-18 11:06 - 杨晋

- 主题从 [自同步] 初始时偏概率性出现1500多样点误差 变更为 [自同步] 初始时偏概率性出现1500多样点误差

问题一：

```

1 [ERR]SRS :read srs_cfg success
2 [ERR]UE_Prach_Proc_Init , sfn=0, slot=0
3 [ERR]UE_Pucch_Proc_Init , sfn=0, slot=0
4 [ERR]gnbSfn 170 ue_sfn_diff 855 ueSlot 1 ue_slot_diff 4 Sample_offset 27062
5 [ERR]gnbSfn 274 ue_sfn_diff 855 ueSlot 14 ue_slot_diff 4 Sample_offset 25446
6 [ERR]Int_time_set sfn 855 slot 4 Samples25446
7 [INFO]Pdcch css for sib1 2 success :5
8 [INFO]3.1 node_type=0 len=0x8
9 [INFO]Node Type is :0 local_devId:0
10 [INFO]MsgToMac: camp_rsp: handle_id=256, payload=41
11 [INFO]UE_CELL_CAMP_SUCC
12 [INFO]UE_CELL_CAMP_SUCC
13 [INFO]UE_CELL_CAMP_SUCC
14 [INFO]3.4 UU Slot format:1D3U, D1Num=6 U1Num=4
15 [INFO]UE_CELL_CAMP_SUCC
16 [ERR]FAPI_UE_RA_CONFIG_REQ
17 [INFO]UE_CELL_CAMP_SUCC
18 [INFO]prachCfgIndex:160,fdm:2, state:8
19 [INFO]prach scs:1, prachOcc:2, slot:1
20 [INFO]numPrach :1
21 [INFO]numPrach :2
22 [INFO]get Prach Occ: 0,19,0,0,0,0
23 [INFO] RA-RNTI[269] startSymbol[2] prachSlotIdx[19] freqResIdx[0]
24 [INFO]UE_MSG1_CFG_REC: [372, 9], 10
25 [INFO]3.11 Plat TA clear, flag=1
26 [ERR][L1c_Send_Trigger_prach_Msg} sfn=372, slot=18, src_core=4, src_apeid=4, dst_apeid=4, longcode:0
27 [INFO]trigger prach slot[18],prach Format:10
28
29 [ERR]UE_Prach_Proc_Task, sfn=372, start_us:29
30 [ERR]Cv_Related_Ncs:0 prachFormat:10 logical_idx:0 lStart:2 preambleId:0
31 [ERR]corest0CfIdx 10
32 [INFO]UE_RA_MSG2_PENDING 2
33 [INFO]UE_MSG1_CFG_REC: [373, 0], 1
34 [INFO]3.11 Plat TA clear, flag=1
35 [INFO]set TA : ta:5, 160 160 according RAR BIT11
36 [INFO]rar sfn:373,curSlot:13, dci:10,k2:9,delta:3
37 [INFO]msg3:RNTI:17028, bwpSize:273, mcs:8
38 [ERR][L1c_Trigger_pusch} sfn=374, slot=1, src_core=4, src_apeid=4, dst_apeid=4
39 [INFO]send Msg3 sfn:374, slot:1
40 [ERR]corest0CfIdx 10
41 [INFO]change state to Msg4 slot 3
42 [INFO]get msg4 Pdcch, sfn:374 slot 17
43 [ERR]ueCfg->cRnti:17028 contResInd->cRnti 17028
44 [ERR][Dedicated] paramType 0
45 [ERR]ENTER UU CFG
46 [ERR]change state to Msg5 slot 2 sfn 375 cRnti 17028
47 [INFO]srs res:1
48 [INFO]srs seqId:0 , n_shift: 4, freq_pos:0 , resType: 0

```

问题二：

```
4-0-str.log x
[ERR]SRS :read srs_cfg success
[ERR]UE_Prach_Proc_Init , sfn=0, slot=0
[ERR]UE_Pucch_Proc_Init , sfn=0, slot=0
[ERR]gnbSfn 968 ue_sfn_diff 558 ueSlot 0 ue_slot_diff 19 Sample_offset 17960
[ERR]gnbSfn 48 ue_sfn_diff 558 ueSlot 13 ue_slot_diff 19 Sample_offset 17954
[ERR]Int_time_set sfn 558 slot 19 Samples 17954
[INFO]Pdcch css for sib1 2 success :10
[ERR]gnbSfn 148 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59958
[ERR]gnbSfn 248 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59956
[ERR]gnbSfn 348 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59948
[ERR]gnbSfn 448 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59954
[ERR]gnbSfn 548 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59952
[ERR]gnbSfn 648 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59950
[ERR]gnbSfn 748 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59944
[ERR]gnbSfn 848 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59938
[ERR]gnbSfn 948 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59934
[ERR]gnbSfn 24 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59942
[ERR]gnbSfn 124 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59938
[ERR]gnbSfn 224 ue_sfn_diff 1023 ueSlot 14 ue_slot_diff 19 Sample_offset 59938
[ERR]gnbSfn 418 ue_sfn_diff 1023 ueSlot 12 ue_slot_diff 19 Sample_offset 59932
[ERR]Int_time_set sfn 1023 slot 19 Samples 59932
[INFO]Pdcch css for sib1 2 success :8
[INFO]3.1 node_type=0 len=0x8
[INFO]Node Type is :0 local_devId:0
[INFO]MsgToMac: camp_rsp: handle_id=256, payload=41
[INFO]UE_CELL_CAMP_SUCC
[INFO]UE_CELL_CAMP_SUCC
[INFO]UE_CELL_CAMP_SUCC
[INFO]3.4 UU Slot format:1D3U, D1Num=6 U1Num=4
[INFO]UE_CELL_CAMP_SUCC
[ERR]FAPI_UE_RA_CONFIG_REQ
[INFO]UE_CELL_CAMP_SUCC
[INFO]prachCfgIndex:160,fdm:2, state:8
[INFO]prach_scs:1, prachOcc:2, slot:1
[INFO]numPrach :1
[INFO]numPrach :2
[INFO]get Prach Occ: 0,19,0,0,0,0
[INFO] RA-RNTI[269] startSymbol[2] prachSlotIdx[19] freqResIdx[0]
[INFO]UE_MSG1_CFG_REC: [524, 9], 10
[INFO]3.11 Plat TA clear, flag=1
[ERR][L1c_Send_Trigger_prach_Msg} sfn=524, slot=18, src_core=4, src_apeid=4, dst_apeid=4, longcode:0
[INFO]trigger prach slot[18],prach Format:10

[ERR]UE_Prach_Proc_Task, sfn=524, start_us:30
[ERR]Cv_Related_Ncs:0 prachFormat:10 logical_idx:0 lStart:2 preambleId:0
[ERR]corest0CfgIdx 10
[INFO]UE_RA_MSG2_PENDING 2
[INFO]UE_MSG1_CFG_REC: [525, 0], 1
[INFO]3.11 Plat TA clear, flag=1
[INFO]set TA : ta:3, 96 96 according RAR BIT11
```

#2 - 2026-05-18 11:20 - 杨晋

- 文件 p1.png 已添加

- 文件 p2.png 已添加

#3 - 2026-05-18 11:21 - 杨晋

问题一：PHY出了个测试版本，延迟5秒进行小区搜索，测试“问题一”未再出现。

#4 - 2026-05-18 11:26 - 杨晋

- 主题从[自同步]初始时偏概率性出现1500多样点误差 变更为[自同步]初始时偏概率性出现1500左右样点误差

#5 - 2026-05-18 14:11 - 杨晋

- 状态从新建 变更为 进行中

文件

p1.png	346 KB	2026-05-18	杨晋
p2.png	384 KB	2026-05-18	杨晋