The UL packets miss Due to RRU carrier mask

Equipment: T5000
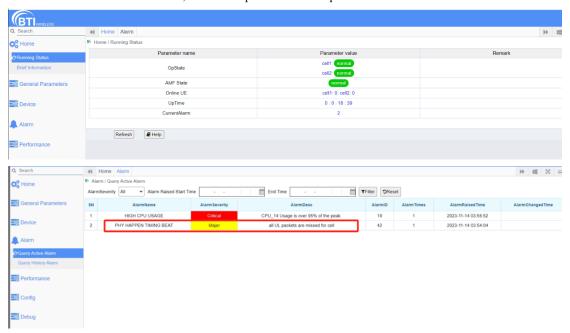
Version:

BBU: 5GNR_ax.tdd.fr1.2.2.3.462_r50381_m435_V3.5SP03

RRU: D.1.1.B13S

1. Issue Description:

There are two cells. Cell 1 is normal, and the UL packets miss is reported in cell 2.

2. Troubleshooting Procedure:

The configuration parameters are normal and consistent with cell 1. RRU receive and emit is normal. PTP synchronization is normal. Up base band power is normal, down base band power is -60. CBRS is not enabled.

UL packets miss in cell 2 is displayed at the physical layer.

Cause:

The default RRU carrier mask is 15, and the RRU2 carrier mask is 0.

Carrier0BandSectorBitmask	Carrier0BandSectorBitmask	Parameter Description:This parameter indicates the carrier0 mask. From low to high, each bit corresponds to one carrier. Bit0 corresponds to carrier 1, bit2 corresponds to carrier 2, and so on. There are 16 carriers. Bit0 set 1 to enable carrier 1, set 0 to close carrier 1, and so on. GUI Value Range:0~65535 Unit:None Actual Value Range:0~65535 Default Value:None Parameter Relationship Description:None Whether the modification will cause service interruption:Not involved Writable:read-write

```
%%LST RU4370:DeviceNumber=1;%%
RETCODE = 0    The command was executed successfully.
List RU4370 Configuration Parameters
--------------------------------
              DeviceNumber = 1
NumberOfReceivingAntennas = 15
CarrierOBandSectorBitmask = 15
        UpDownlinkSwitch = Auto
     ULGainCorrection(dBm) = 0
           CarrierULEnable = ENABLED
           CarrierDLEnable = ENABLED
         HeadCompressMode = Uplan with compression head
               CbrsSwitch = off
          Channel1RFSwitch = on
     CH1ULAttenuation(dB) = 0
     CH1DLAttenuation(dB) = 0
          Channel2RFSwitch = on
     CH2ULAttenuation(dB) = 0
```

```
List RU4370 Configuration Parameters
--------------------------------
              DeviceNumber = 2
NumberOfReceivingAntennas = 15
CarrierOBandSectorBitmask = 0
        UpDownlinkSwitch = Auto
     ULGainCorrection(dBm) = 0
           CarrierULEnable = ENABLED
           CarrierDLEnable = ENABLED
         HeadCompressMode = Uplan with compression head
               CbrsSwitch = off
          Channel1RFSwitch = on
     CH1ULAttenuation(dB) = 0
     CH1DLAttenuation(dB) = 0
          Channel2RFSwitch = on
     CH2ULAttenuation(dB) = 0
     CH2DLAttenuation(dB) = 0
          Channel3RFSwitch = on
```

3. Solution

Change the carrier mask of RRU2 to 15. The alarms are cleared.

Home

Home / Running Status

Parameter name	Parameter value
OpState	cell1: normal cell2: normal
AMF State	normal
Online UE	cell1: 0; cell2: 0
UpTime	0 : 1 : 15 : 32
CurrentAlarm	0

Refresh   Help

Search

Home

General Parameters

Device

Alarm

Performance

Config

Debug