

问题描述

4G卡基本上网拨号配置正确的情况下，接口始终没有up问题

设备型号：

MSR810 Version 7.1.064, Release 0605P05C

相关配置：

```
[H3C]controller Cellular1/0
```

```
[H3C-Cellular1/0]eth-channel 0
```

```
[H3C]dialer-group 1 rule ip permit
```

```
[H3C]interface eth-channel 1/0:0 //进入以太网通道接口视图
```

```
[H3C-Eth-channel1/0:0]dialer circular enable
```

```
[H3C-Eth-channel1/0:0]dialer-group 1
```

```
[H3C-Eth-channel1/0:0]dialer timer idle 0
```

```
[H3C-Eth-channel1/0:0]dialer timer autodial 60
```

```
[H3C-Eth-channel1/0:0]dialer number *99# autodial
```

```
[H3C-Eth-channel1/0:0]ip address cellular-alloc
```

```
[H3C-Eth-channel1/0:0]nat outbound
```

```
[H3C-Eth-channel1/0:0]quit
```

```
[H3C] ip route-static 0.0.0.0 0 Eth-channel1/0:0
```

查看配置没有问题，display device 查看4G卡状态是normal也没有问题

查看dis cellular发现模块状态是online正常，当前服务状态是Limited，同时当前的RSRP的强度是-105 dBm。指导客户去信号好一点的地方测试，问题已解决

Cellular1/0:

Modem State:

Hardware Information:

Model: U9300W

Manufacturer: LONGSUNG

Modem Firmware Version: QB30002.1.2_MX10(0016_1.1.2_L1217)

International Mobile Equipment Identity (IMEI): 862009030214355

International Mobile Subscriber Identity (IMSI): 460062540091878

Hardware Version: 10000

Factory Serial Number (FSN): SB30002146A801356

Modem Status: Online

Modem Status: IPv4 Unknow/n.

Modem Status: IPv6 Unkown.

Profile Information:

Profile index: 1

PDP Type: IPv4v6

Header Compression: Off

Data Compression: Off

Access Point Name (APN): sxgwdd01.jniet

Authentication: NONE

* - Default profile

Network Information:

Current Service Status: Limited

Registration Status: Denied

Current Roaming Status: Roaming

Current Data Bearer Technology: Unknown

Network Selection Mode: Automatic

Current IP address Mode: IPv4 Cellular-alloc

Mobile Country Code (MCC): 460

Mobile Network Code (MNC): 00

Location Area Code (LAC): 65534

Cell ID: 109024889

Radio Information:

Technology Preference: No preference specified (AUTO)

Technology Selected: LTE

Configured LTE Band = 1,3,5,7,8,38,39,40,41

LTE related info:

Current RSSI: -74 dBm

Current RSRO: -8 dB

Current RSRP: -105 dBm

Current SNR: 11 dB

Tx Power: Invalid

Active Band = E-UTRA Operating Band 8

Modem Security Information:

解决方法

当服务状态是Limited, 一般情况是信号弱 (小于-90) 或者是网络选择模式的问题
建议修改Network Selection Mode: LTE 为自动模式

设置4G Modem自动选择

```
<Sysname> system-view
```

```
[Sysname] controller cellular 2/4/0
```

```
[Sysname-Cellular2/4/0]mode auto
```