

问题描述

MSR810-LM联通物联卡4G拨号失败，从dis cellular和dis interface eth-channel看，运营商注册成功了，但是状态仍未down。

Network Information:

Current Service Status: Service Available
Registration Status: Registered
Current Service: Combined
Current Roaming Status: Home
Current Data Bearer Technology: Unknown
Network Selection Mode: Automatic
Current IP address Mode: IPv4 Cellular-alloc
Mobile Network Name: UNICOM
Mobile Country Code (MCC): 460
Mobile Network Code (MNC): 01
Location Area Code (LAC): 65534
Tracking Area Code(TAC): 55331
Cell ID: 219051585

Radio Information:

Technology Preference: No preference specified (AUTO)

```
[FHSU-FHZH-MSR810-01]display interface Eth-channel 1/0:0
Eth-channel1/0:0
Current state: DOWN
Line protocol state: UP(spoofing)
Description: Eth-channel1/0:0 Interface
Bandwidth: 100000 kbps
Maximum transmission unit: 1500
Internet protocol processing: Disabled
IP packet frame type: Ethernet II, hardware address: 00a0-d5ff-ff01
IPv6 packet frame type: Ethernet II, hardware address: 00a0-d5ff-ff01
Output queue - Urgent queuing: Size/Length/Discards 0/100/0
Output queue - Protocol queuing: Size/Length/Discards 0/500/0
Output queue - FIFO queuing: Size/Length/Discards 0/75/0
Last clearing of counters: Never
```

过程分析

检查配置发现客户配置的为按需触发拨号

```
#
interface Eth-channel1/0:0
  dialer circular enable
  dialer-group 1
  dialer number *99#
  ip address cellular-alloc
  tcp mss 1024
  apn-profile apply liantong
  ipsec apply policy policy_4G
#
```

解决方法

触发拨号有两种方式，一种是配置自动拨号，例如：`dialer number *99# autodial`；还有一种是配置按需拨号，例如：`dialer number *99#`，这种情况下必须有流量从cellular接口发送才能触发拨号。将配置改为自动拨号后拨号成功。

