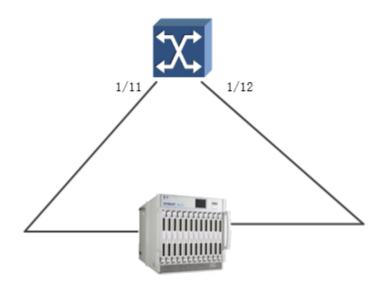
印度项目接口下QOS功能测试报告

一、测试拓扑



二、测试设备配置

switch# sh run

Building configuration...

hostname switch

username admin privilege 15 password algorithm sha256 encrypted ef6f6affcfa8f12f9bfe48662ea5c086628fd633c60425cc9d3662900bbfadde6e2441c462e5a256a5f96 f56a343d94174fb605bf5fa8e2f35f821f4e74f9cf3

```
vlan 1,2

!

!

spanning-tree mst name 00-11-22-33-44-55 revision 0
!

voice vlan oui 00-01-E3 description Siemens AG phones
voice vlan oui 00-03-6B description Cisco phones
```

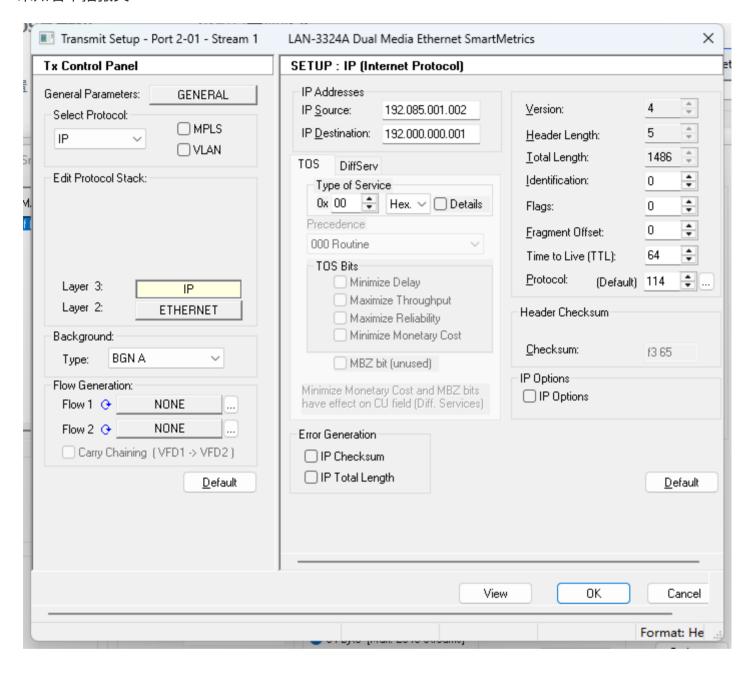
```
voice vlan oui 00-0F-E2 description H3C phones
voice vlan oui 00-60-B9 description Philips and NEC AG phones
voice vlan oui 00-D0-1E description Pingtel phones
voice vlan oui 00-E0-75 description Polycom phones
voice vlan oui 00-E0-BB description 3Com phones
interface GigabitEthernet 1/1
interface GigabitEthernet 1/2
interface GigabitEthernet 1/3
interface GigabitEthernet 1/4
interface GigabitEthernet 1/5
interface GigabitEthernet 1/6
interface GigabitEthernet 1/7
interface GigabitEthernet 1/8
interface GigabitEthernet 1/9
interface GigabitEthernet 1/10
interface GigabitEthernet 1/11
switchport access vlan 2
qos storm unicast 90 mbps
qos storm broadcast 70 mbps
```

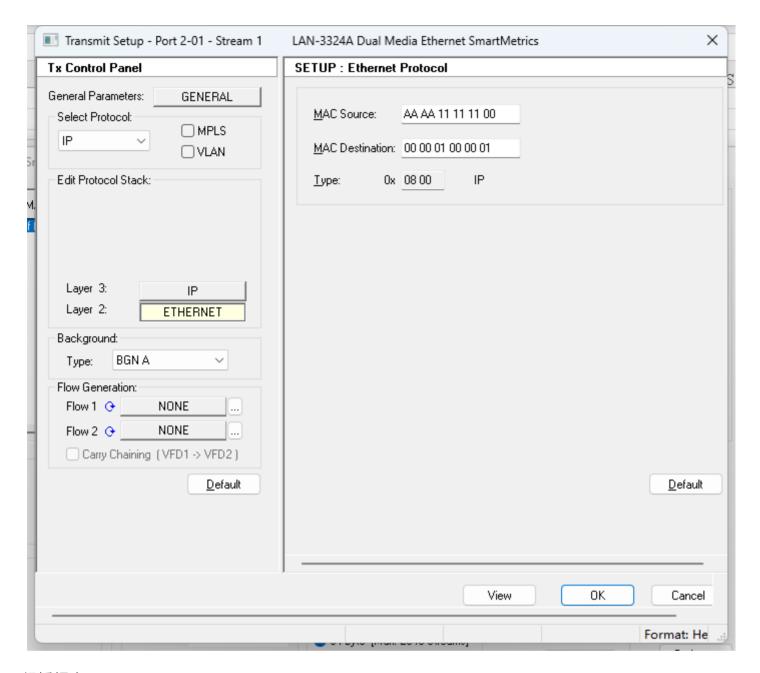
qos storm multicast 80 mbps

```
interface GigabitEthernet 1/12 switchport access vlan 2
interface GigabitEthernet 1/13
interface 10GigabitEthernet 1/1
interface 10GigabitEthernet 1/2
interface 10GigabitEthernet 1/3
interface 10GigabitEthernet 1/4
interface 10GigabitEthernet 1/5
interface 10GigabitEthernet 1/6
interface 10GigabitEthernet 1/7
interface 10GigabitEthernet 1/8
interface vlan 1
ip address 192.168.2.139 255.255.255.0
spanning-tree aggregation
spanning-tree link-type point-to-point
hostname switch
```

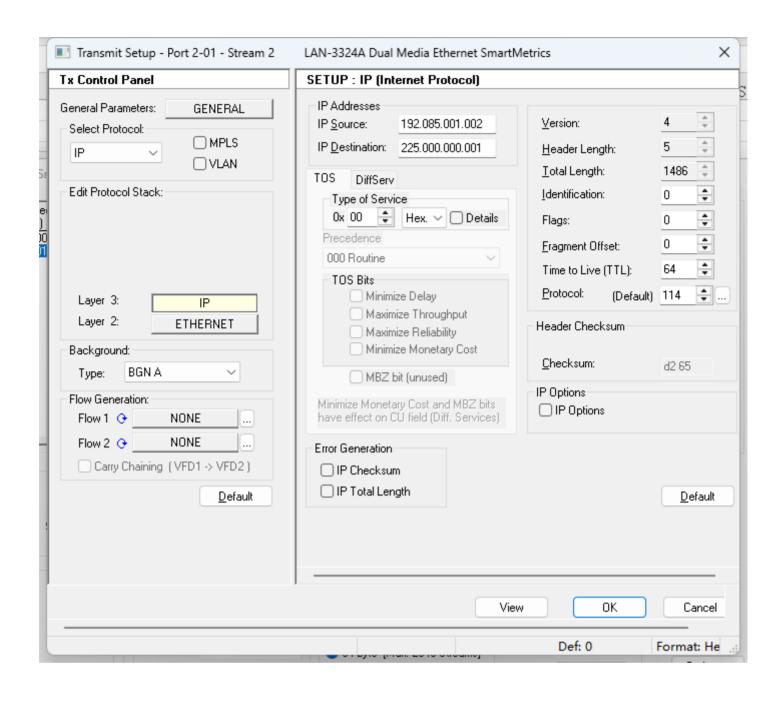
三、测试记录

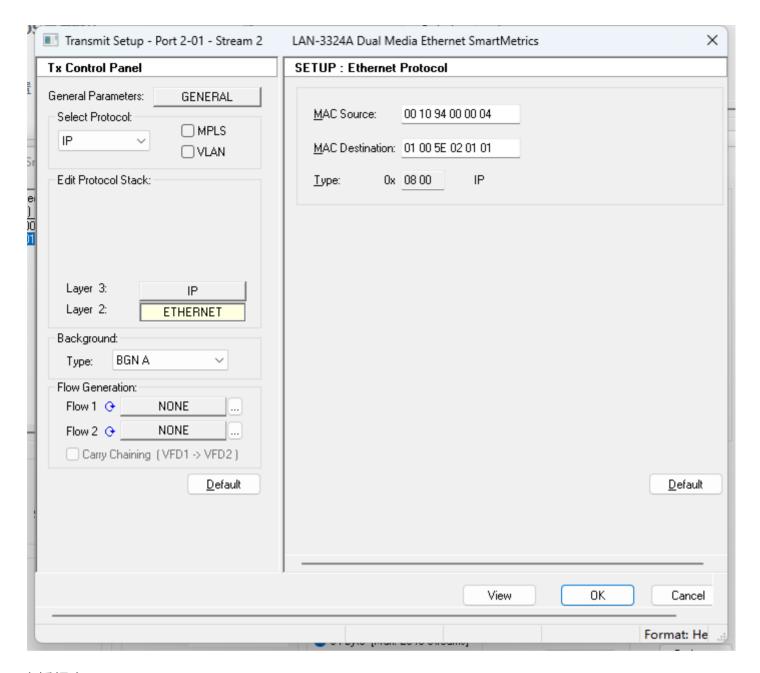
未知名单播报文



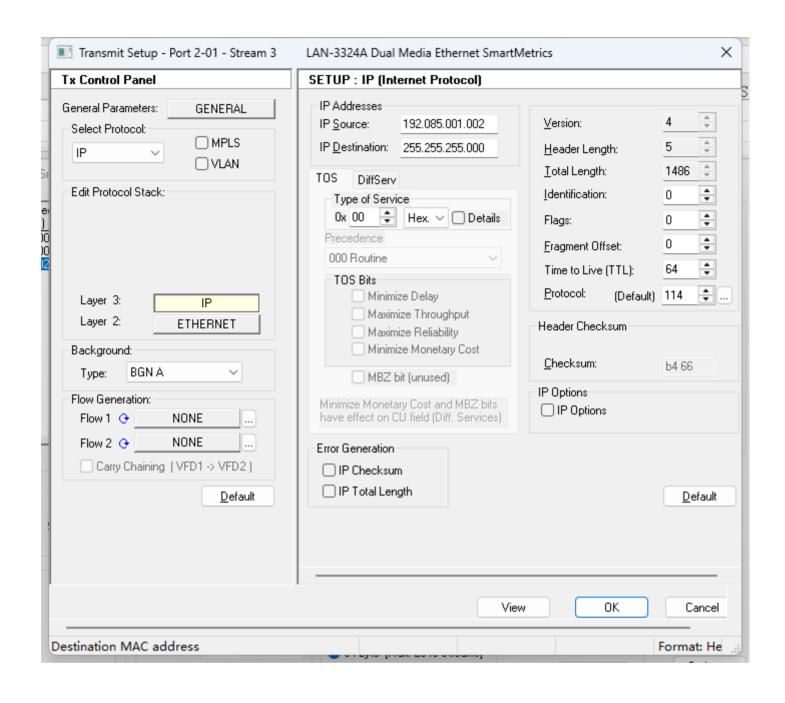


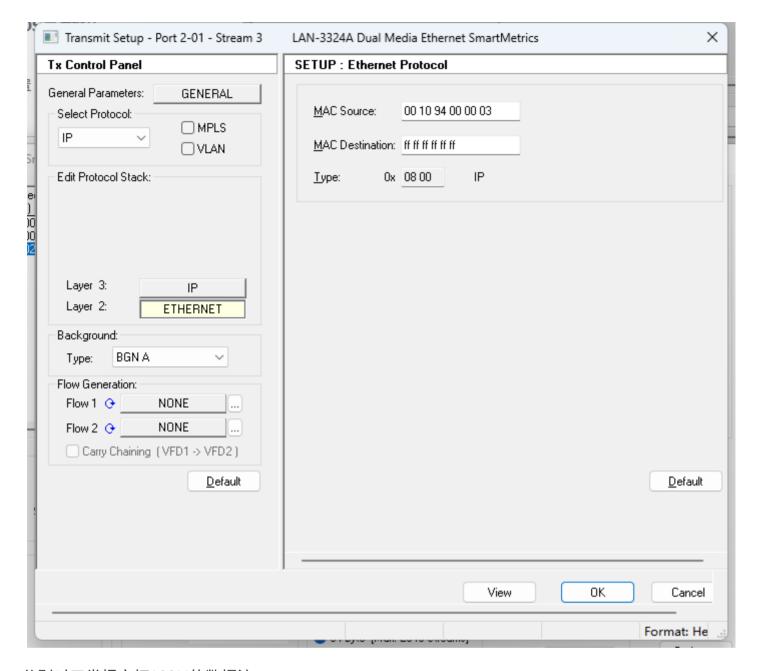
组播报文





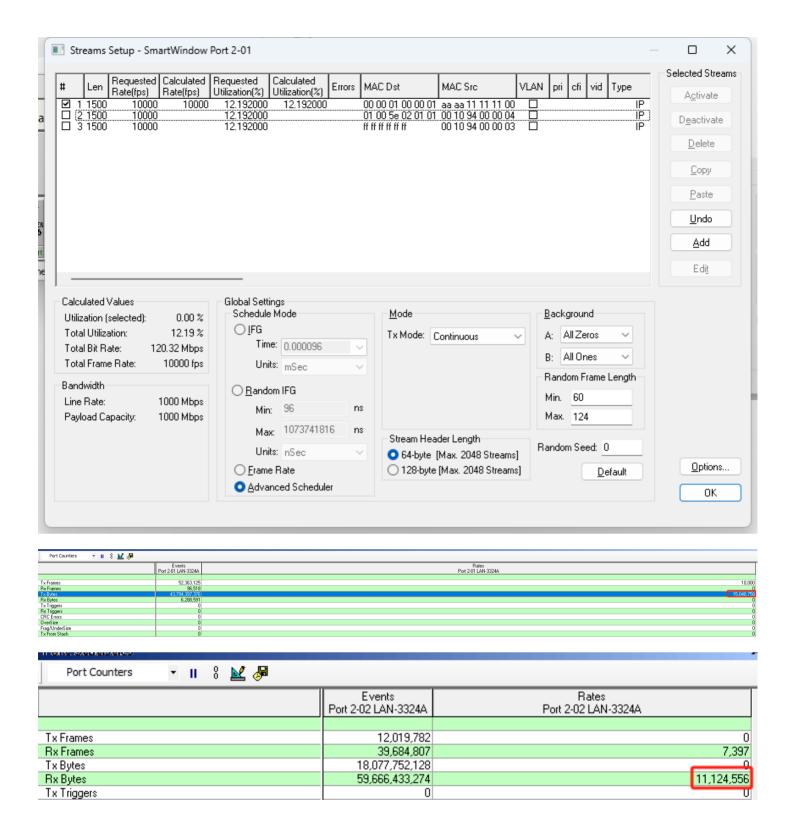
广播报文





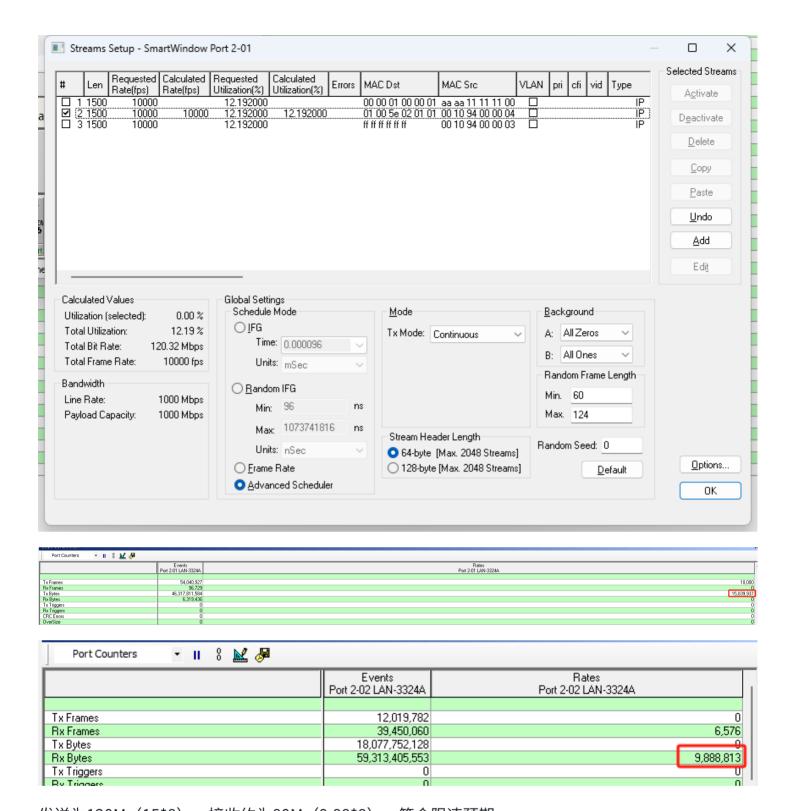
分别对三类报文打100M的数据流

1. 仅未知名单播报文



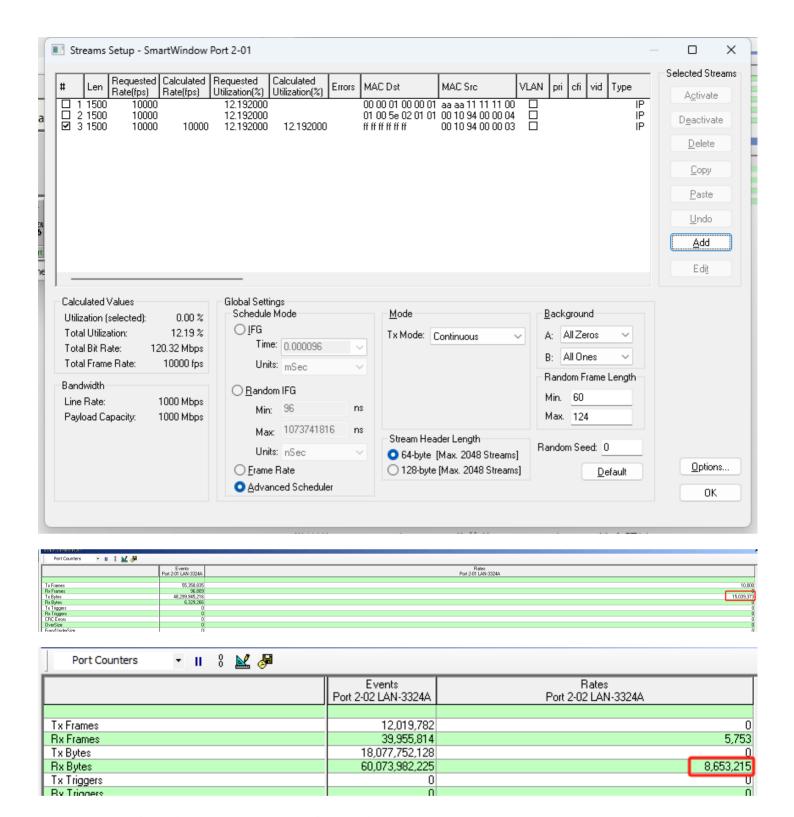
发送为120M(15*8),接收约为90M(11.1*8),符合限速预期。

2. 仅组播报文



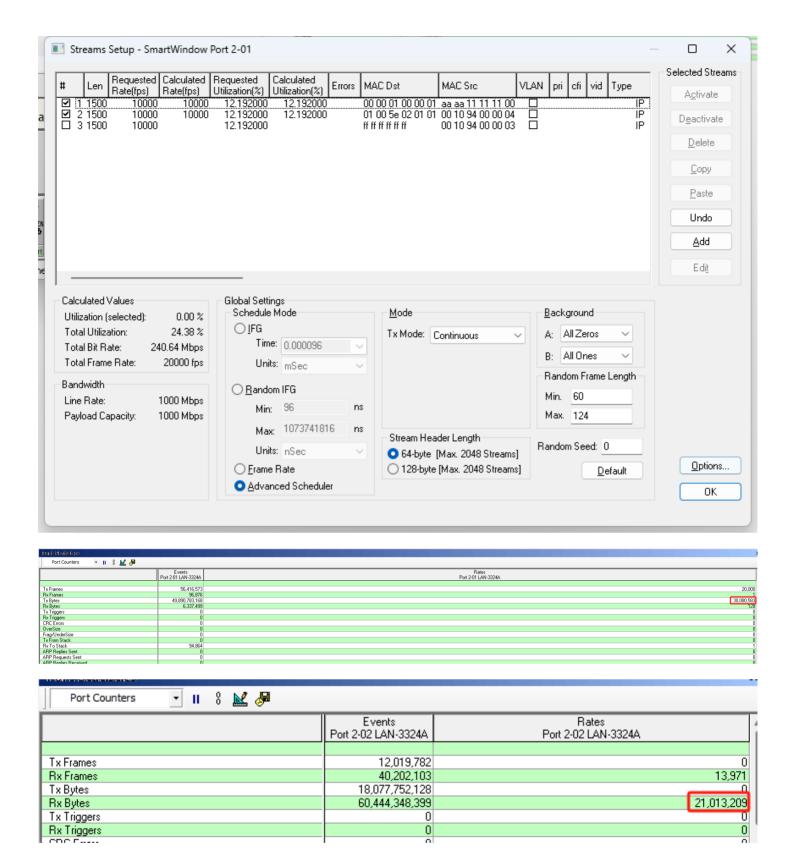
发送为120M(15*8),接收约为80M(9.88*8),符合限速预期。

3. 仅广播报文



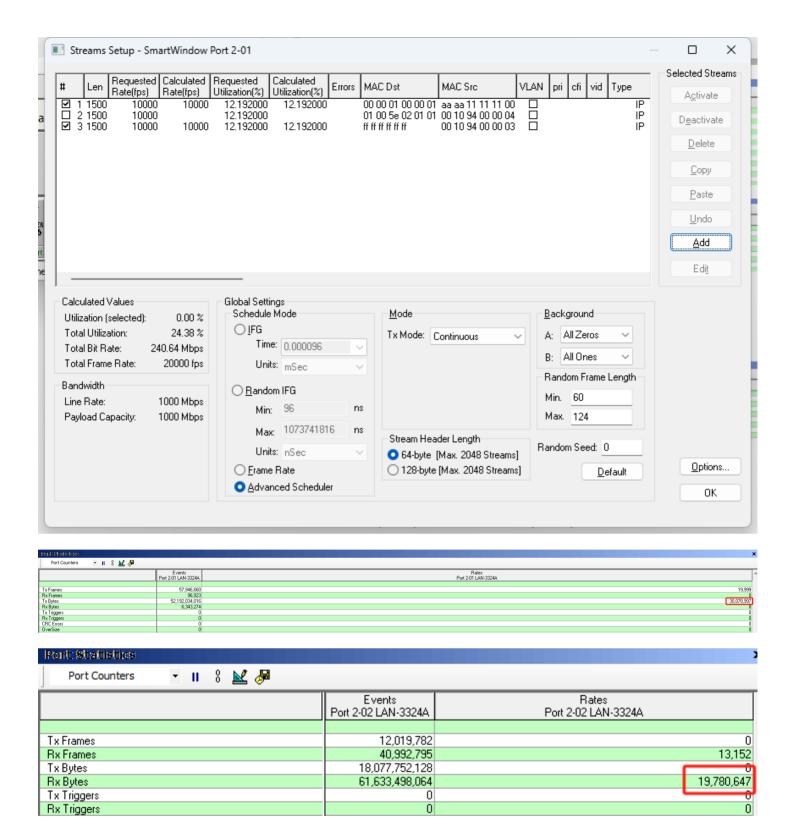
发送为120M(15*8),接收约为70M(8.65*8),符合限速预期。

4. 未知名单播报文+组播报文



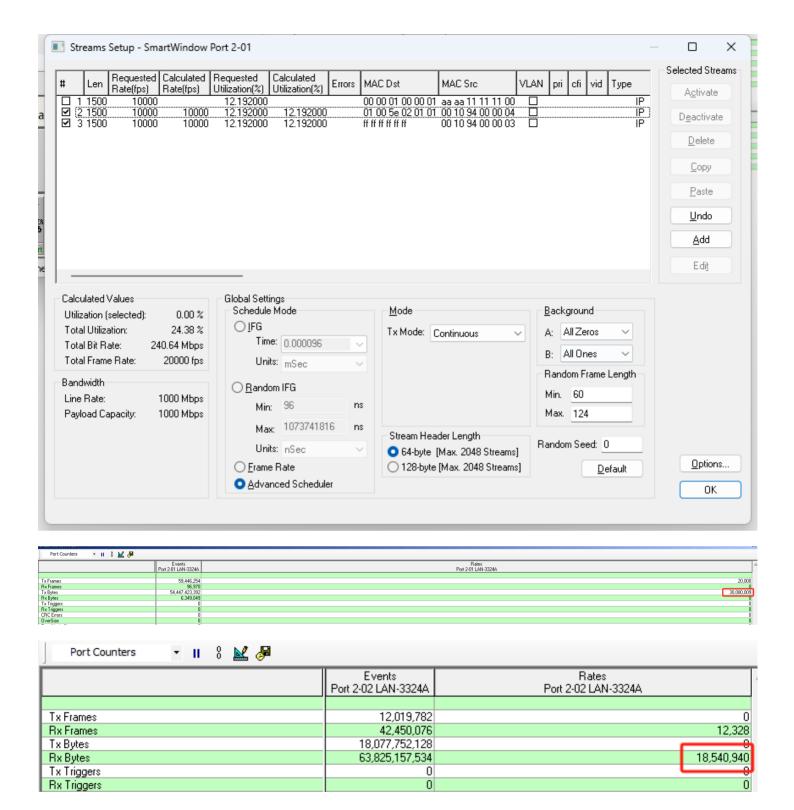
发送为240M(30*8),接收约为170M(21.0*8),符合限速预期。

5. 未知名单播报文+广播报文



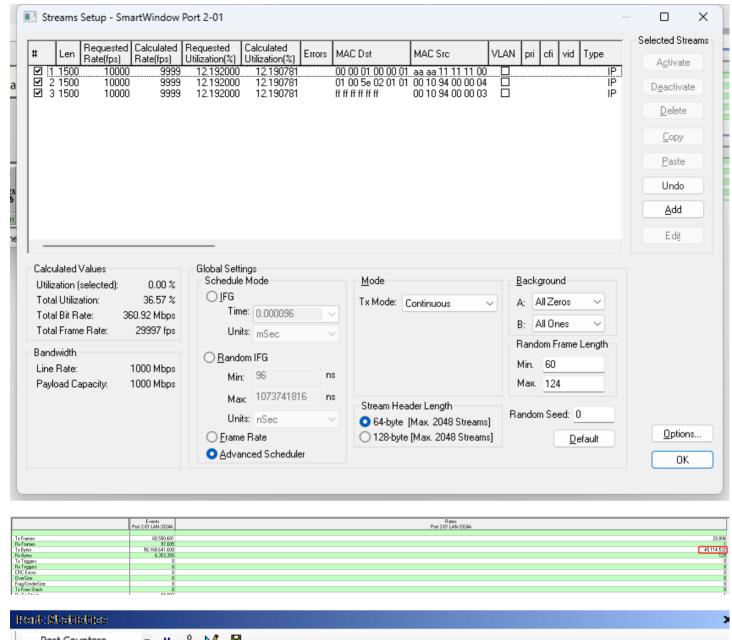
发送为240M(30*8),接收约为160M(19.7*8),符合限速预期。

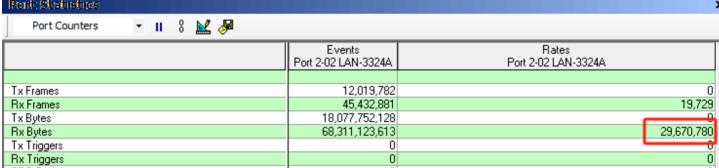
6. 组播报文+广播报文



发送为240M(30*8),接收约为150M(18.5*8),符合限速预期。

7. 未知名单播报文+组播报文+广播报文





发送为360M(45*8),接收约为240M(29.67*8),符合组播限速预期。

四、测试结果

接口QOS测试通过。