	TERMO DE ACEITE TÉCNICO

Solicitante: SES – Secretaria de Estado de Saúde de Minas Gerais

NOC/Operadora: Pedro Henrique da R. Bernardes	**Operadora/Cliente:** Leandro Cruz
GRE/Prodemge: Douglas Alvares	**Responsável/cliente:** Denise da Penha

Consórcio STM/Vodanet	**VSAT-ID** SES-PAOS-5213	**Porta kbps** 384/153	**Plataforma** VSAT

Live Graph - 5 Minutes - 10 sec Interval

■ Bandwidth Traffic IN   ■ Bandwidth Traffic OUT
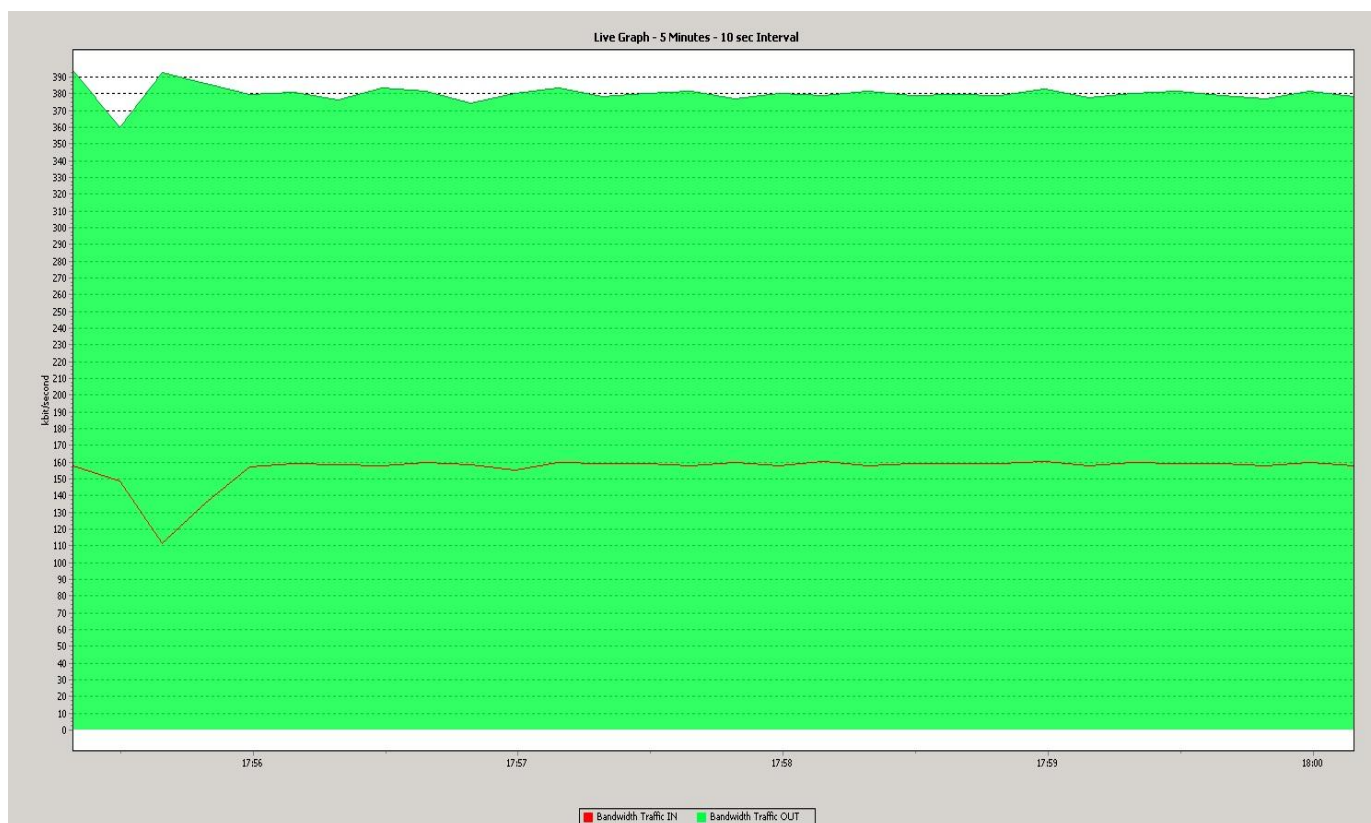
```
Satellite (DVB) RX Configuration
-------------------------------
Auto start          : Enabled
Max MODCOD          : 15   8PSK-5/6 (SNR threshold: 10.6 dB)
RX watchdog         : 15 minute

Idx  Pri  SymbRate[Msps] Freq[GHz]  Mode   PopId   Enable
* 0   0    45.000000      11.606250  DVB-S2 2        Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.606128 GHz
Symbol Rate         : 44.999529 Msps
S2 ModCod
      - receiving   : 4   QPSK-1/2
      - current max : 13   8PSK-2/3
Pilot               : On
Frame length        : Short
DVB S2 Mode         : ACM
Roll off            : 0.20
SNR                 : 9.9 dB
Input Power         : -26 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start            : Enabled
IDU Output Power      : -30 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power      : max
EIRP                  : max
Default CW Frequency: 0.000000 GHz
ATM mode              : VC-Mux
Header Compression    : UDP/IP/DSM-CC


Satellite (DVB) Transmitter Status
----------------------------------
State                 : On (TDMA)
IDU Output Power      : -16.6 dBm
ODU Output Power      : 33.6 dBm
EIRP                  : 47.1 dBW
Es/No                 : 13.0 dB
Header Compression    :  DSM-CC
Timing correction     : -96 us (253433 us)
Frequency correction: 170 Hz


IP DVB: 10.148.5.39/32


 Pinging 10.174.20.1 with 32 bytes of data:

 Reply from 10.174.20.1: bytes=32 time=572ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=668ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=587ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=599ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=526ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=541ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=537ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=555ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=570ms TTL=62
 Reply from 10.174.20.1: bytes=32 time=582ms TTL=62

 Ping statistics for 10.174.20.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 526ms, Maximum = 668ms, Average = 573ms
```