prodemge	TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Bruno Resston Moreira	**Operadora/Cliente:** Ed Carlos Carvalho
GRE/Prodemge: Márlu da Silva Santos	**Responsável/cliente:** Ligia Gabriela Sizzero

Consórcio	VSAT-ID	Porta kbps	Plataforma
STM/Vodanet	SES-LADA-3509	384/153	VSAT

Live Graph - 5 Minutes - 10 sec Interval
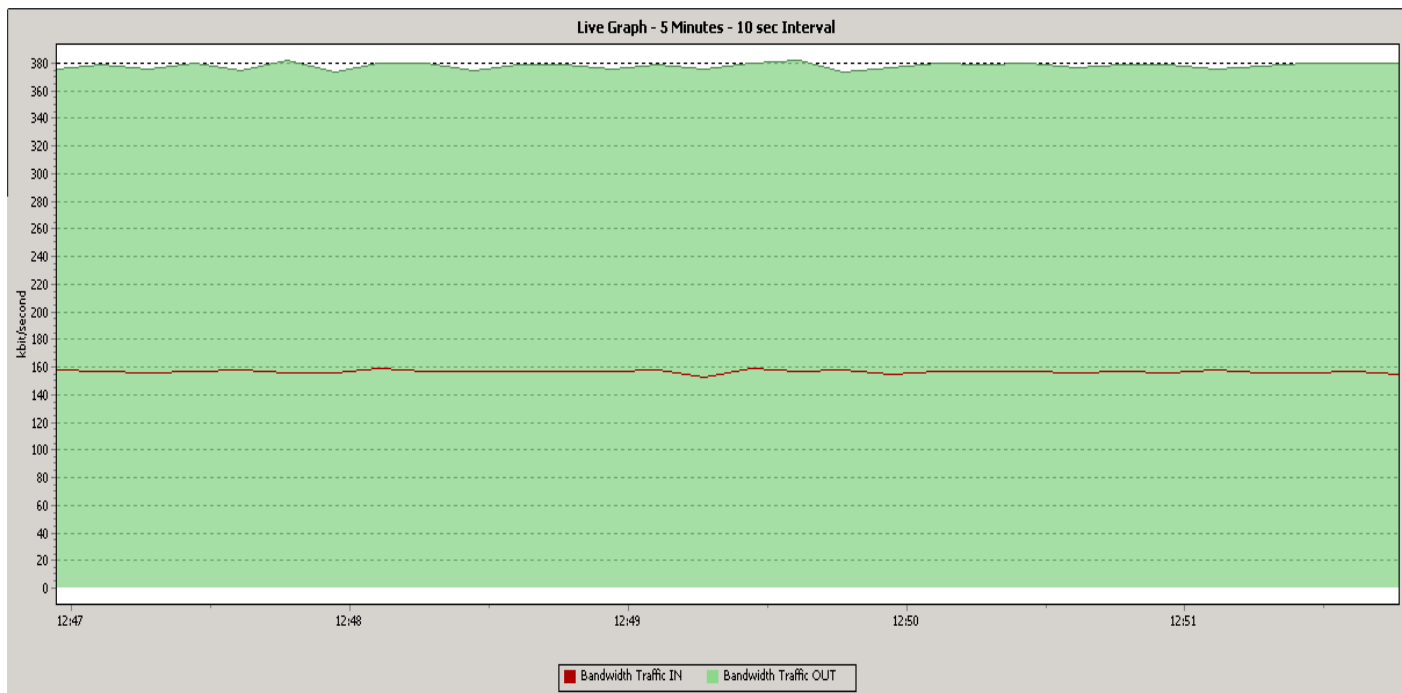
```
Satellite (DVB) RX Configuration
--------------------------------
Auto start         : Enabled
Max MODCOD         : 15   8PSK-5/6 (SNR threshold: 10.6 dB)
RX watchdog        : 15 minute

Idx  Pri  SymbRate[Msps]  Freq[GHz]   Mode    PopId   Enable
* 0   0    13.333000       11.588250   DVB-S2  2        Yes
  1   1     0.000000        0.000000   DVB-S2  2        No

Satellite (DVB) Receiver Status
--------------------------------
Rx State           : On
DVB State          : Forward link up
Network            : 65281,  Prodemge@Vodanet
Frequency          : 11.588613 GHz
Symbol Rate        : 13.332885 Msps
S2 ModCod
      - receiving  : 4   QPSK-1/2
      - current max : 15   8PSK-5/6
Pilot              : On
Frame length       : Short
DVB S2 Mode        : ACM
Roll off           : 0.25
SNR                : 14.5 dB
Input Power        : -25 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -22 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power     : 32.3 dBm
EIRP                 : 45.6 dBW
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     : -19.6 dBm
ODU Output Power     : 32.1 dBm
EIRP                 : 45.4 dBW
Es/No                : 14.5 dB
Header Compression   :  DSM-CC
Timing correction    : -234 us (261091 us)
Frequency correction: -280 Hz

IP DVB: 10.148.1.113/32

Pinging 10.145.136.1 with 32 bytes of data:

Reply from 10.145.136.1: bytes=32 time=535ms TTL=62
Reply from 10.145.136.1: bytes=32 time=579ms TTL=62
Reply from 10.145.136.1: bytes=32 time=566ms TTL=62
Reply from 10.145.136.1: bytes=32 time=576ms TTL=62
Reply from 10.145.136.1: bytes=32 time=596ms TTL=62
Reply from 10.145.136.1: bytes=32 time=574ms TTL=62
Reply from 10.145.136.1: bytes=32 time=529ms TTL=62
Reply from 10.145.136.1: bytes=32 time=550ms TTL=62
Reply from 10.145.136.1: bytes=32 time=594ms TTL=62
Reply from 10.145.136.1: bytes=32 time=582ms TTL=62

Ping statistics for 10.145.136.1:
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 529ms, Maximum = 596ms, Average = 568ms
```