prodemge	TERMO DE ACEITE TÉCNICO

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

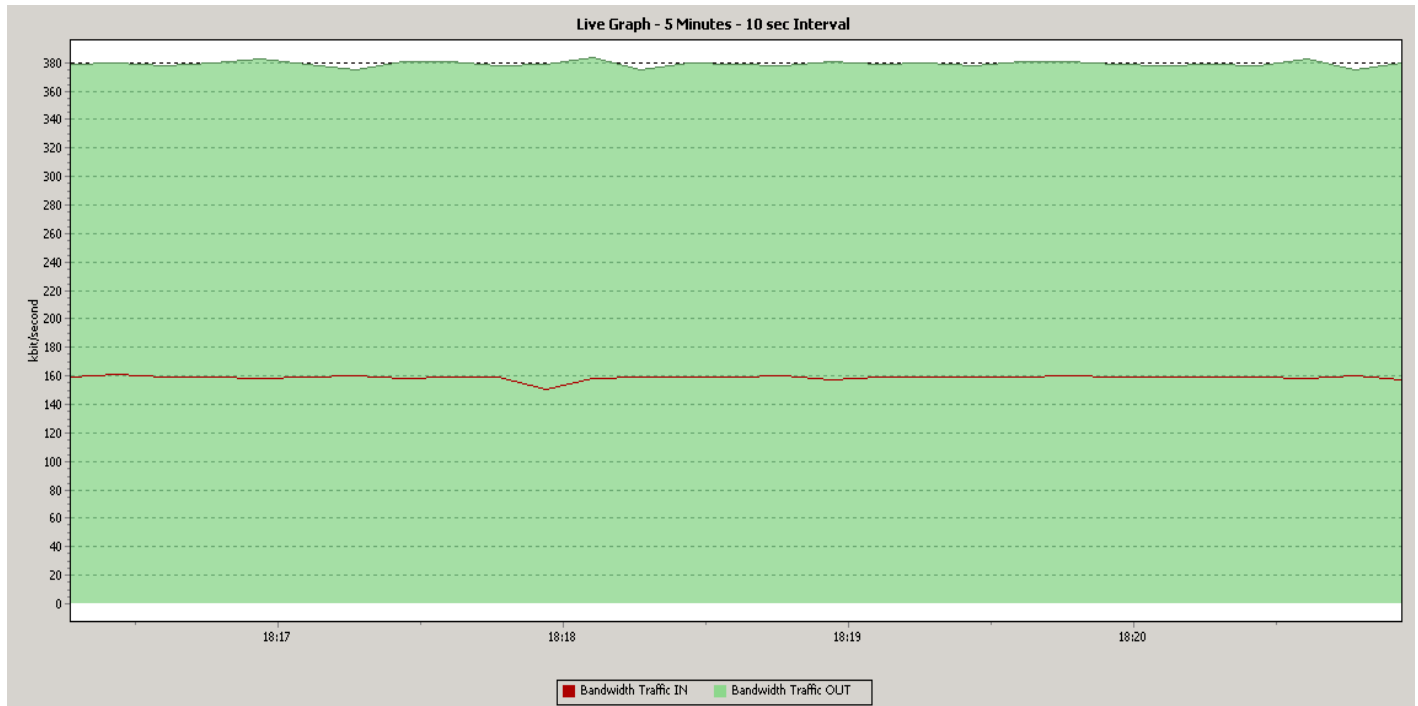| **NOC/Operadora:** Bruno Resston Moreira	**Operadora/Cliente:** Antonio Gonçalves
GRE/Prodemge: Márlu da Silva Santos	**Responsável/cliente:** Luiza Paiva

Consórcio	**VSAT-ID**	**Porta kbps**	**Plataforma**
STM/Vodanet	SES-OUTO-4026	384/153	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    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            : 11.588339 GHz
Symbol Rate          : 13.332944 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                  : 12.8 dB
Input Power          : -35 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -11 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power     : 33.2 dBm
EIRP                 : 46.5 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     : -14.6 dBm
ODU Output Power     : 34.3 dBm
EIRP                 : 47.6 dBW
Es/No                : 12.5 dB
Header Compression   :  DSM-CC
Timing correction    : 101 us (260717 us)
Frequency correction: -90 Hz


IP DVB: 10.148.2.4/32


Pinging 10.147.18.1 with 32 bytes of data:

Reply from 10.147.18.1: bytes=32 time=539ms TTL=62
Reply from 10.147.18.1: bytes=32 time=577ms TTL=62
Reply from 10.147.18.1: bytes=32 time=569ms TTL=62
Reply from 10.147.18.1: bytes=32 time=580ms TTL=62
Reply from 10.147.18.1: bytes=32 time=531ms TTL=62
Reply from 10.147.18.1: bytes=32 time=611ms TTL=62
Reply from 10.147.18.1: bytes=32 time=534ms TTL=62
Reply from 10.147.18.1: bytes=32 time=554ms TTL=62
Reply from 10.147.18.1: bytes=32 time=565ms TTL=62
Reply from 10.147.18.1: bytes=32 time=585ms TTL=62

Ping statistics for 10.147.18.1:
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 531ms, Maximum = 611ms, Average = 564ms
```