prodemge	TERMO DE ACEITE TÉCNICO

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

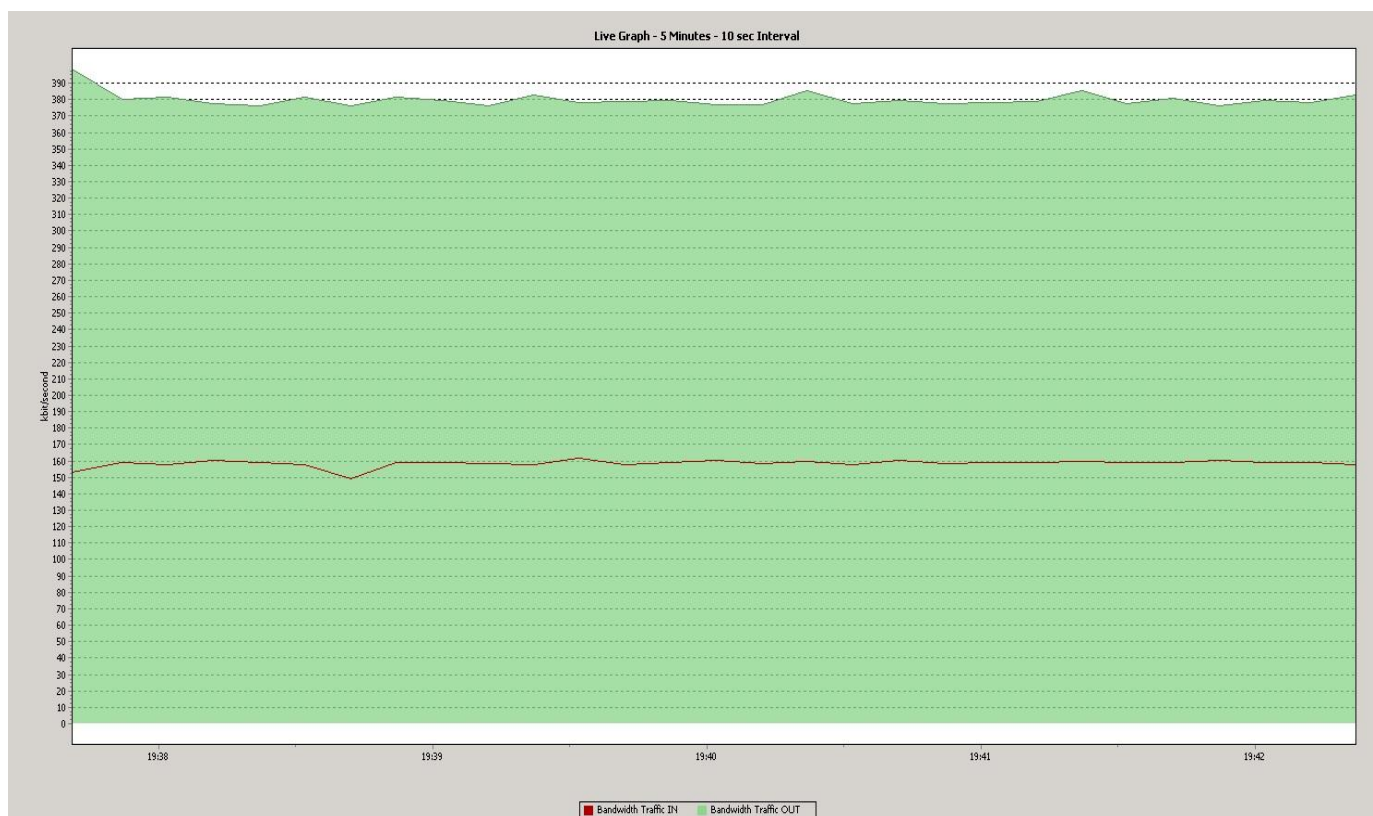| **NOC/Operadora:** Pedro Henrique da R. Bernardes	**Operadora/Cliente:** Renato Bertolini
GRE/Prodemge: Douglas Alvares	**Responsável/cliente:** Eliene Soares

Consórcio	VSAT-ID	Porta kbps	Plataforma
STM/Vodanet	SES-TRAS-5279	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    45.000000      11.606250  DVB-S2 3        Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.606096 GHz
Symbol Rate         : 44.999763 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                 : 9.8 dB
Input Power         : -24 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -21 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     : -16.0 dBm
ODU Output Power     : 34.1 dBm
EIRP                 : 47.4 dBW
Es/No                : 11.5 dB
Header Compression   :  DSM-CC
Timing correction    : -7 us (252350 us)
Frequency correction: -40 Hz


IP DVB: 10.148.5.230/32


 Pinging 10.174.84.1 with 32 bytes of data:

 Reply from 10.174.84.1: bytes=32 time=570ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=582ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=584ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=598ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=600ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=613ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=529ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=531ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=543ms TTL=62
 Reply from 10.174.84.1: bytes=32 time=580ms TTL=62

 Ping statistics for 10.174.84.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 529ms, Maximum = 613ms, Average = 573ms
```