prodemge	**TERMO DE ACEITE TÉCNICO**

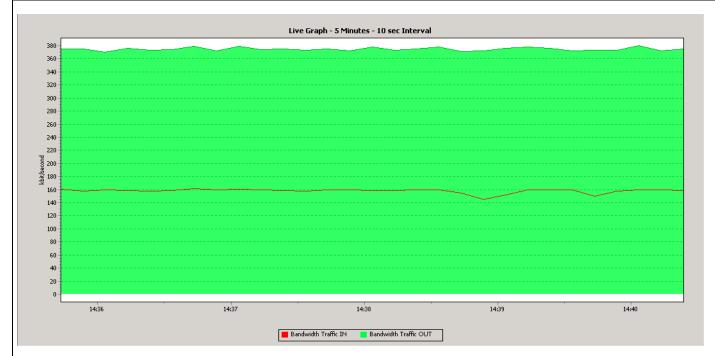**Solicitante:** SES – Secretaria de Estado de Saúde de Minas Gerais

NOC/Operadora: Hugo Leonardo Oliveira Carvalho	**Operadora/Cliente:** Fábio Passoni
GRE/Prodemge: Aguinaldo de Matos	**Responsável/cliente:** Viviane Ferreira

Consórcio STM/Vodanet	**VSAT-ID** SES-IBTE-5200	**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  3        Yes

Satellite (DVB) Receiver Status
--------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.606137 GHz
Symbol Rate         : 45.000258 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         : -22 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     : -21.5 dBm
ODU Output Power     : 33.4 dBm
EIRP                 : 46.7 dBW
Es/No                : 12.5 dB
Header Compression   :  DSM-CC
Timing correction    : 155 us (252170 us)
Frequency correction: 50 Hz


IP DVB: 10.148.5.127/32


 Pinging 10.174.10.1 with 32 bytes of data:

 Reply from 10.174.10.1: bytes=32 time=547ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=598ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=520ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=566ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=613ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=661ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=520ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=628ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=614ms TTL=62
 Reply from 10.174.10.1: bytes=32 time=629ms TTL=62

 Ping statistics for 10.174.10.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 520ms, Maximum = 661ms, Average = 589ms
```