prodemge	**TERMO DE ACEITE TÉCNICO**

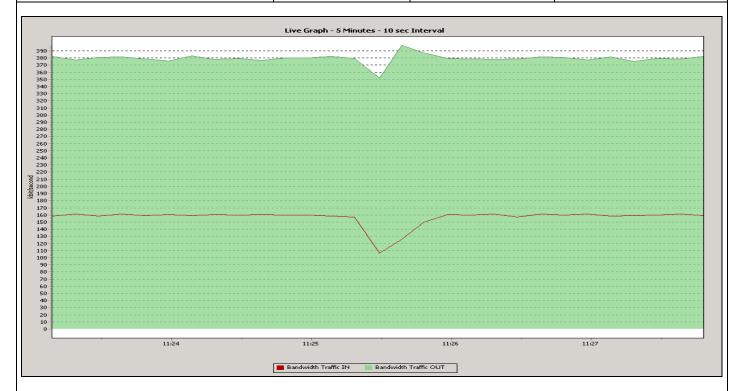**Solicitante:** SES – Secretaria de Estado de Saúde de Minas Gerais

NOC/Operadora: Albo Borges Vieira	**Operadora/Cliente:** Luiz de Sá
GRE/Prodemge: Aguinaldo de Matos	**Responsável/cliente:** Marcela Mendes Santos

Consórcio	**VSAT-ID**	**Porta kbps**	**Plataforma**
STM/Vodanet	SES-PRTA-5073	384/153	VSAT

Live Graph - 5 Minutes - 10 sec Interval
Legend: 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           : 11.605864 GHz
Symbol Rate         : 44.999715 Msps
S2 ModCod
     - receiving    : 4   QPSK-1/2
     - current max  : 14  8PSK-3/4
Pilot               : On
Frame length        : Short
DVB S2 Mode         : ACM
Roll off            : 0.20
SNR                 : 10.6 dB
Input Power         : -27 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Disabled
IDU Output Power     : -19 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     : -14.9 dBm
ODU Output Power     : 33.2 dBm
EIRP                 : 46.5 dBW
Es/No                : 11.5 dB
Header Compression   :  DSM-CC
Timing correction    : 114 us (254159 us)
Frequency correction: -180 Hz


IP DVB: 10.148.5.186/32


Pinging 10.173.174.1 with 32 bytes of data:

Reply from 10.173.174.1: bytes=32 time=615ms TTL=62
Reply from 10.173.174.1: bytes=32 time=530ms TTL=62
Reply from 10.173.174.1: bytes=32 time=538ms TTL=62
Reply from 10.173.174.1: bytes=32 time=543ms TTL=62
Reply from 10.173.174.1: bytes=32 time=576ms TTL=62
Reply from 10.173.174.1: bytes=32 time=557ms TTL=62
Reply from 10.173.174.1: bytes=32 time=565ms TTL=62
Reply from 10.173.174.1: bytes=32 time=571ms TTL=62
Reply from 10.173.174.1: bytes=32 time=573ms TTL=62
Reply from 10.173.174.1: bytes=32 time=585ms TTL=62

Ping statistics for 10.173.174.1:
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 530ms, Maximum = 615ms, Average = 565ms
```