prodemge	**TERMO DE ACEITE TÉCNICO**

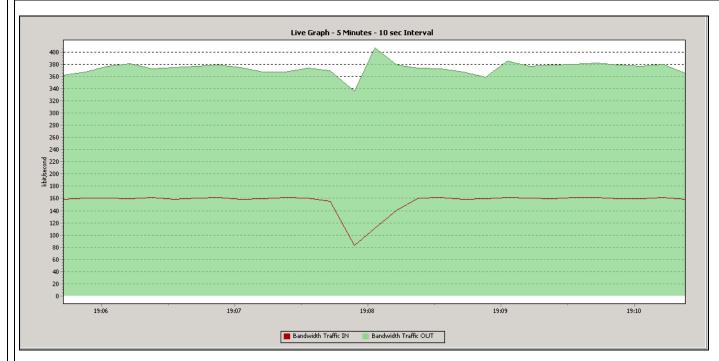**Solicitante:** SES – Secretaria de Estado de Saúde de Minas Gerais

NOC/Operadora: Ermínio Alves Ribeiro Junior	**Operadora/Cliente: Fabio Fernandes**

GRE/Prodemge: Aguinaldo de Matos	**Responsável/cliente:**

Consórcio	**VSAT-ID**	**Porta kbps**	**Plataforma**
STM/Vodanet	SES-PAAO-3963	384/153	VSAT


```
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          : 11.606307 GHz
Symbol Rate        : 44.999470 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                : 11.1 dB
Input Power        : -31 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -11 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     : -20.8 dBm
ODU Output Power     : 32.6 dBm
EIRP                 : 45.9 dBW
Es/No                : 10.0 dB
Header Compression   :  DSM-CC
Timing correction    : 11 us (250408 us)
Frequency correction: 280 Hz

 IP DVB 10.148.7.112

 Pinging 10.146.219.1 with 32 bytes of data:

 Reply from 10.146.219.1: bytes=32 time=528ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=529ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=542ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=574ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=556ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=558ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=571ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=541ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=583ms TTL=62
 Reply from 10.146.219.1: bytes=32 time=584ms TTL=62

 Ping statistics for 10.146.219.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 528ms, Maximum = 584ms, Average = 556ms
```