



# TERMO DE ACEITE TÉCNICO

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

**NOC/Operadora:** Hugo Leonardo Oliveira Carvalho

**Operadora/Cliente:** Ederson Martins Pires

**GRE/Prodemge:** Aguinaldo de Matos

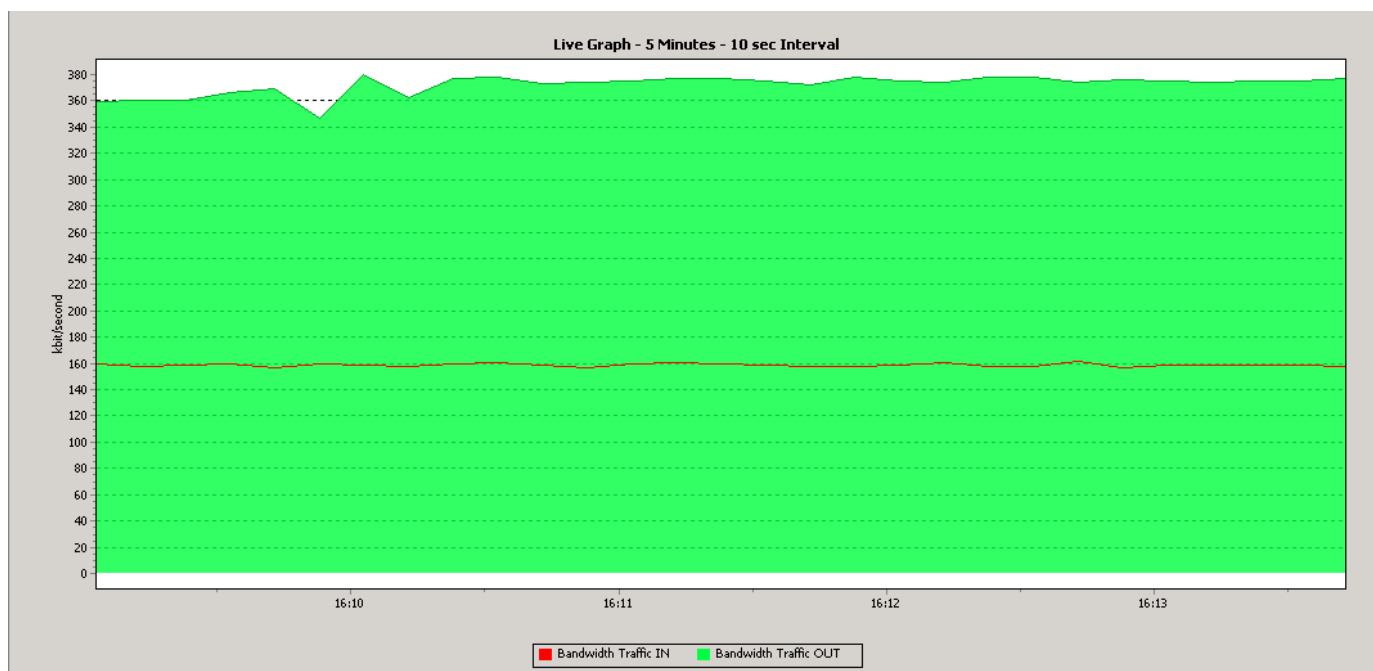
**Responsável/cliente:** Antônio Quintino de Moraes

**Consórcio**  
STM/Vodanet

**VSAT-ID**  
SES-TRES-5301

**Porta kbps**  
384/153

**Plataforma**  
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[Mbps]	Freq[GHz]	Mode	PopId	Enable
* 0	0	45.000000	11.606250	DVB-S2	2	Yes

## Satellite (DVB) Receiver Status

Rx State : On  
DVB State : Forward link up  
Network : 65281, Prodemge@Vodanet  
Frequency : 11.606252 GHz  
Symbol Rate : 44.999711 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 : 10.5 dB  
Input Power : -21 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     : -18.1 dBm  
ODU Output Power     : 34.2 dBm  
EIRP                 : 47.7 dBW  
Es/No                : 11.0 dB  
Header Compression   : DSM-CC  
Timing correction    : -136 us (253552 us)  
Frequency correction: 150 Hz
```

IP DVB: 10.148.5.4/32

Pinging 10.174.93.1 with 32 bytes of data:

```
Reply from 10.174.93.1: bytes=32 time=543ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=526ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=575ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=587ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=542ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=530ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=543ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=562ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=546ms TTL=62  
Reply from 10.174.93.1: bytes=32 time=593ms TTL=62
```

Ping statistics for 10.174.93.1:

```
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 526ms, Maximum = 593ms, Average = 554ms
```