| prodemge | **TERMO DE ACEITE TÉCNICO** |
|---|---|

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

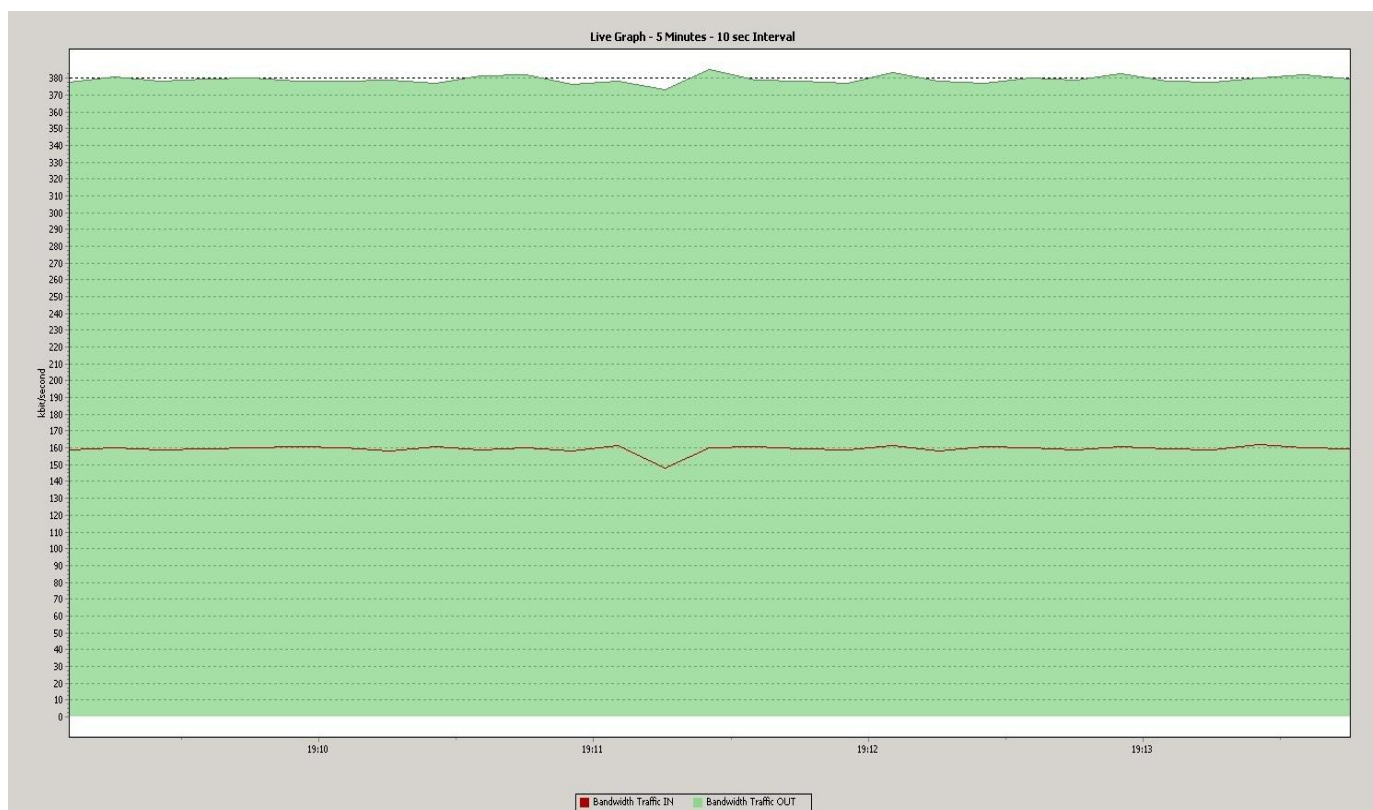| **NOC/Operadora:** Pedro Henrique da R. Bernardes | **Operadora/Cliente:** Marcio Antônio |
|---|---|
| **GRE/Prodemge:** Douglas Alvares | **Responsável/cliente:** Maria Jose de Oliveira |

| **Consórcio** | **VSAT-ID** | **Porta kbps** | **Plataforma** |
|---|---|---|---|
| STM/Vodanet | SES-ITGI-4278 | 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           : 11.606582 GHz
Symbol Rate         : 44.999810 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                 : 9.5 dB
Input Power         : -28 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
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     : -15.7 dBm
ODU Output Power     : 34.0 dBm
EIRP                 : 47.3 dBW
Es/No                : 14.5 dB
Header Compression   :  DSM-CC
Timing correction    : 120 us (253781 us)
Frequency correction: 120 Hz


IP DVB: 10.148.5.174/32


 Pinging 10.147.235.1 with 32 bytes of data:

 Reply from 10.147.235.1: bytes=32 time=584ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=521ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=600ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=609ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=522ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=527ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=536ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=534ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=550ms TTL=62
 Reply from 10.147.235.1: bytes=32 time=579ms TTL=62

 Ping statistics for 10.147.235.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 521ms, Maximum = 609ms, Average = 556ms
```