prodemge	**TERMO DE ACEITE TÉCNICO**

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

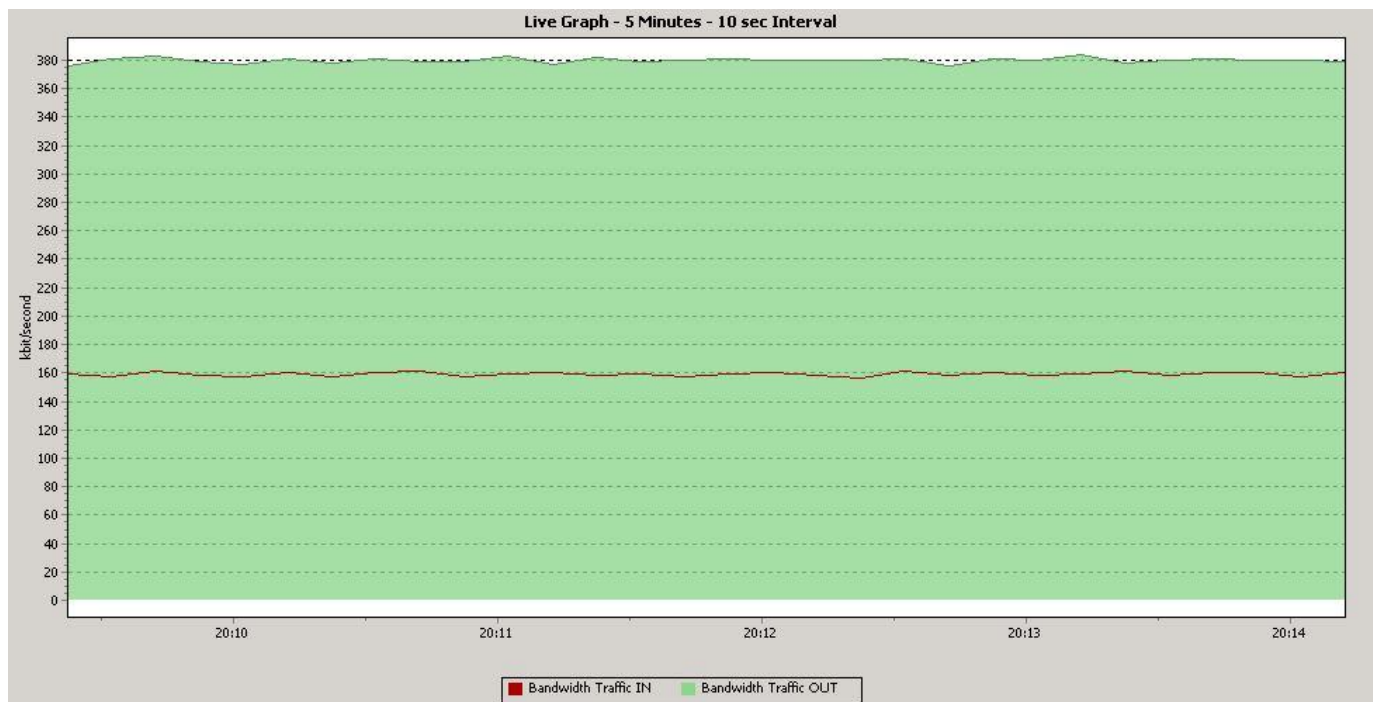| **NOC/Operadora:** Renan Borges Sousa	**Operadora/Cliente:** Marcos Aurélio de Moura
GRE/Prodemge: Rafael Alves Ferreira	**Responsável/cliente:** Marta Beatriz Mangia

Consórcio	VSAT-ID	Porta kbps	Plataforma
STM/Vodanet	SES-PIDE-3531	384/153	VSAT


```
Satellite (DVB) RX Configuration
-------------------------------
Auto start          : Enabled
Max MODCOD          : 15   8PSK-5/6 (SNR threshold: 9.6 dB)
ACM Latency         : On
RX watchdog         : 15 minute

Idx  Pri  SymbRate[Msps]  Freq[GHz]   Mode   PopId   Enable
* 0  0    13.333000       11.588250   DVB-S2 2        Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.588529 GHz
Symbol Rate         : 13.333074 Msps
S2 ModCod
     - receiving    : 4   QPSK-1/2
     - current max  : 21   16APSK-5/6
Pilot               : On
Frame length        : Short frame
DVB S2 Mode         : ACM
Roll off            : 0.25
SNR                 : 13.3 dB
Input Power         : -29 dBm
#
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU output power    : -17 dBm
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    : -13.3 dBm
ODU Output Power    : 34.5 dBm
EIRP                : 47.8 dBW
Eb/No               : 13.5 dB
Header Compression  :  DSM-CC
Timing correction   : 46 us (261283 us)
Frequency correction: -120 Hz


IP DVB 10.148.1.14/32


Pinging 10.145.169.1 with 32 bytes of data:

Reply from 10.145.169.1: bytes=32 time=647ms TTL=61
Reply from 10.145.169.1: bytes=32 time=575ms TTL=61
Reply from 10.145.169.1: bytes=32 time=683ms TTL=61
Reply from 10.145.169.1: bytes=32 time=602ms TTL=61
Reply from 10.145.169.1: bytes=32 time=710ms TTL=61
Reply from 10.145.169.1: bytes=32 time=638ms TTL=61
Reply from 10.145.169.1: bytes=32 time=557ms TTL=61
Reply from 10.145.169.1: bytes=32 time=665ms TTL=61
Reply from 10.145.169.1: bytes=32 time=592ms TTL=61
Reply from 10.145.169.1: bytes=32 time=700ms TTL=61

Ping statistics for 10.145.169.1:
Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 557ms, Maximum = 710ms, Average = 636ms
```