prodemge	**TERMO DE ACEITE TÉCNICO**

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

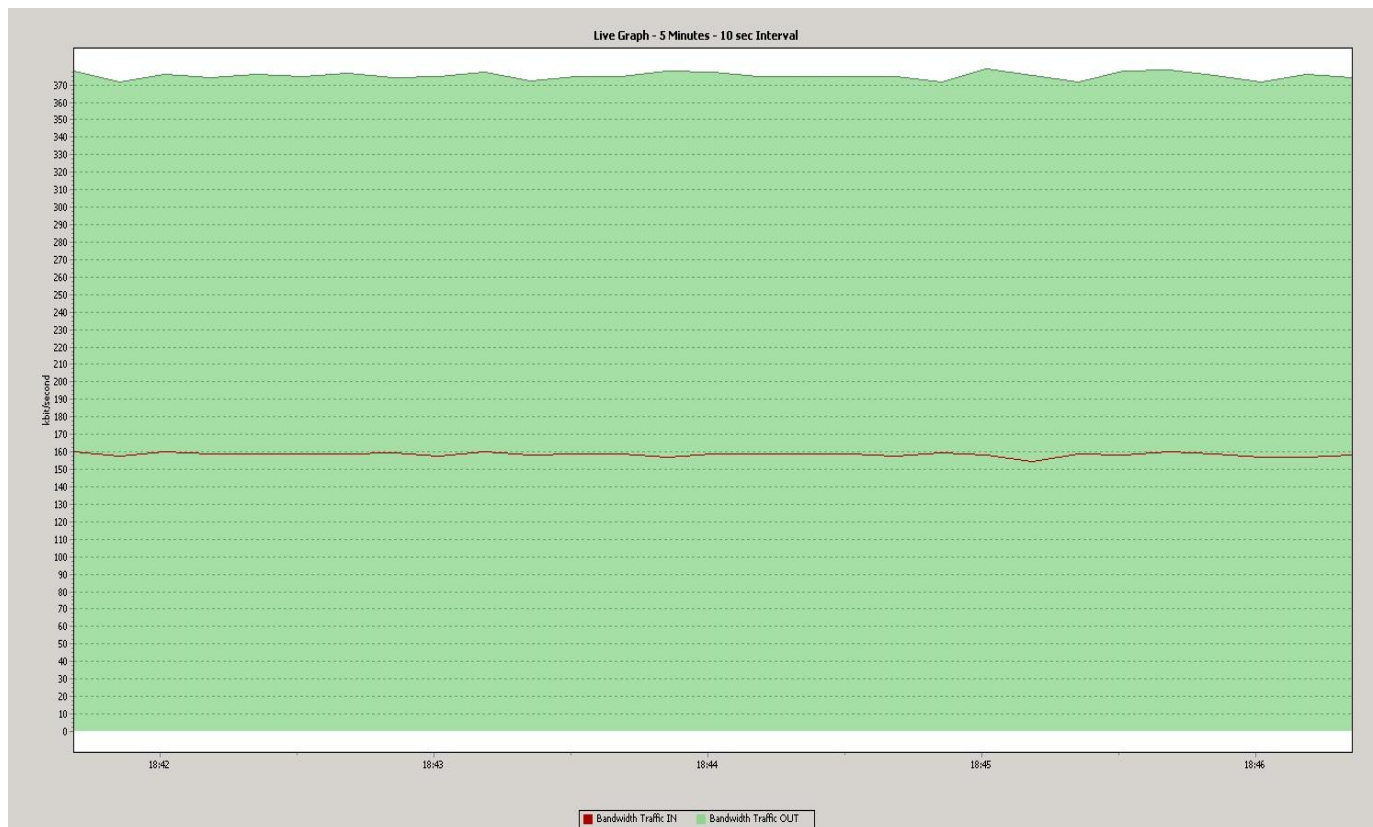| **NOC/Operadora:** Pedro Henrique da R. Bernardes	**Operadora/Cliente:** Fabio Fernandes
GRE/Prodemge: Douglas Alvares	**Responsável/cliente:** Leda Cristina

Consórcio STM/Vodanet	VSAT-ID SES-ITDU-4591	Porta kbps 384/153	Plataforma VSAT

Live Graph - 5 Minutes - 10 sec Interval

■ 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 2         Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.606127 GHz
Symbol Rate         : 45.000807 Msps
S2 ModCod
      - receiving   : 4   QPSK-1/2
      - current max : 10  QPSK-8/9
Pilot               : On
Frame length        : Short
DVB S2 Mode         : ACM
Roll off            : 0.20
SNR                 : 9.2 dB
Input Power         : -27 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     : -17.3 dBm
ODU Output Power     : 34.1 dBm
EIRP                 : 47.6 dBW
Es/No                : 10.5 dB
Header Compression   :  DSM-CC
Timing correction    : 19 us (253122 us)
Frequency correction: 30 Hz


IP DVB: 10.148.4.67/32


 C:\>ping -n 10  10.173.13.1

 Pinging 10.173.13.1 with 32 bytes of data:

 Reply from 10.173.13.1: bytes=32 time=576ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=583ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=595ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=519ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=631ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=555ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=561ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=584ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=562ms TTL=62
 Reply from 10.173.13.1: bytes=32 time=516ms TTL=62

 Ping statistics for 10.173.13.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 516ms, Maximum = 631ms, Average = 568ms
```