prodemge	**TERMO DE ACEITE TÉCNICO**

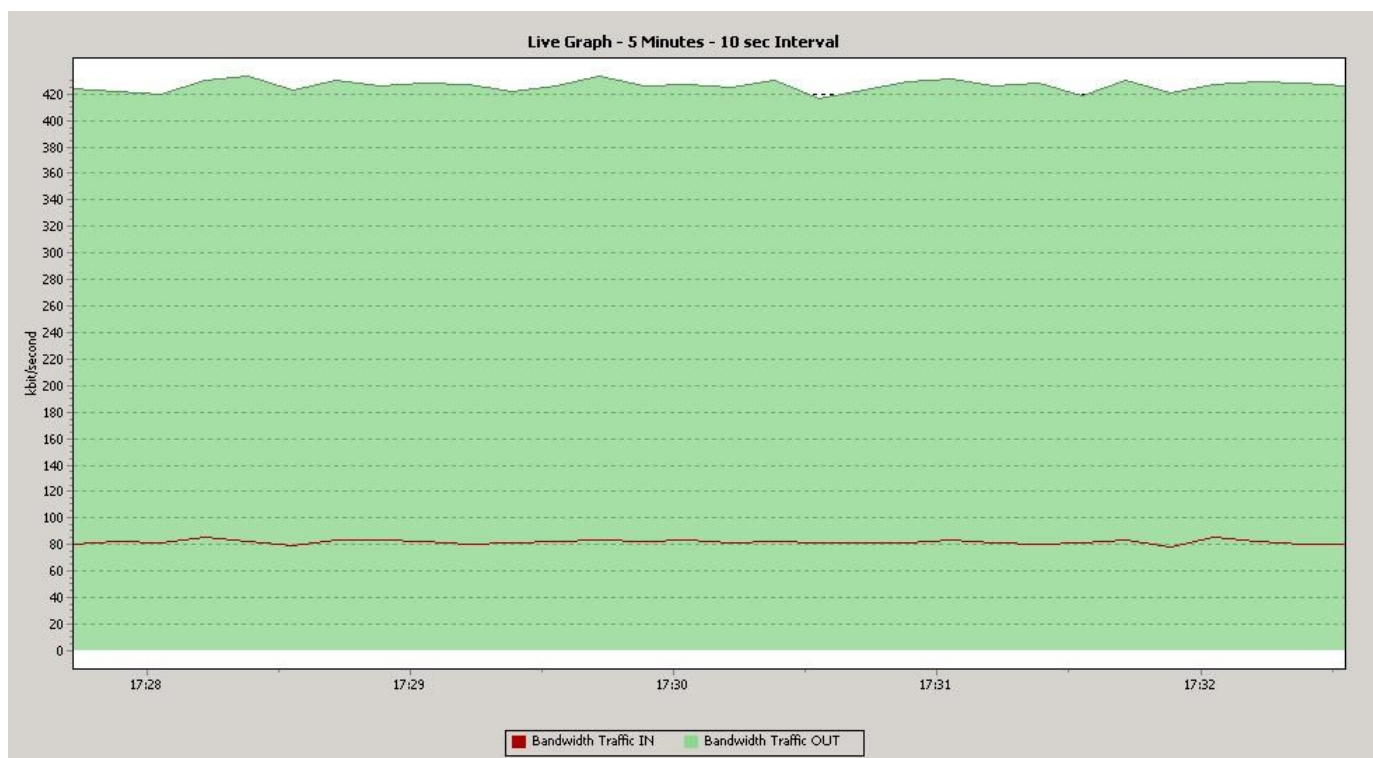| **Solicitante:** SES – Secretaria de Estado de Saúde de Minas Gerais		**Data:** 09/05/2012	
NOC/Operadora: Jefferson de Souza Marques		**Operadora/Cliente:** Airton Gabriel do Nascimento Moro	
GRE/Prodemge: Rafael Alves Ferreira		**Responsável/cliente:** Jaqueline Brito	
Consórcio STM/Vodanet	**VSAT-ID** SES-SAIA-3245	**Porta kbps** 384/153	**Plataforma** 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     7.120000       11.583700  DVB-S2 2       Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.583561 GHz
Symbol Rate         : 7.120037 Msps
S2 ModCod
      - receiving   : 4   QPSK-1/2
      - current max : 23   16APSK-9/10
Pilot               : On
Frame length        : Short frame
DVB S2 Mode         : ACM
Roll off            : 0.25
SNR                 : 15.7 dB
Input Power         : -33 dBm
```

```
#
Satellite (DVB) TX Configuration
-------------------------------
Auto start          : Enabled
IDU output power    : -24 dBm
EIRP                : 44.0 dBW
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    : -18.7 dBm
ODU Output Power    : 29.9 dBm
EIRP                : 43.2 dBW
Eb/No               : 12.5 dB
Header Compression  :  DSM-CC
Timing correction   : -429 us (271501 us)
Frequency correction: 20 Hz

IP DVB 10.148.0.220/32

Pinging 10.145.24.1 with 32 bytes of data:

Reply from 10.145.24.1: bytes=32 time=605ms TTL=62
Reply from 10.145.24.1: bytes=32 time=583ms TTL=62
Reply from 10.145.24.1: bytes=32 time=635ms TTL=62
Reply from 10.145.24.1: bytes=32 time=558ms TTL=62
Reply from 10.145.24.1: bytes=32 time=536ms TTL=62
Reply from 10.145.24.1: bytes=32 time=589ms TTL=62
Reply from 10.145.24.1: bytes=32 time=600ms TTL=62
Reply from 10.145.24.1: bytes=32 time=552ms TTL=62
Reply from 10.145.24.1: bytes=32 time=632ms TTL=62
Reply from 10.145.24.1: bytes=32 time=556ms TTL=62

Ping statistics for 10.145.24.1:
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 536ms, Maximum = 635ms, Average = 584ms
```