prodemge

TERMO DE ACEITE TÉCNICO

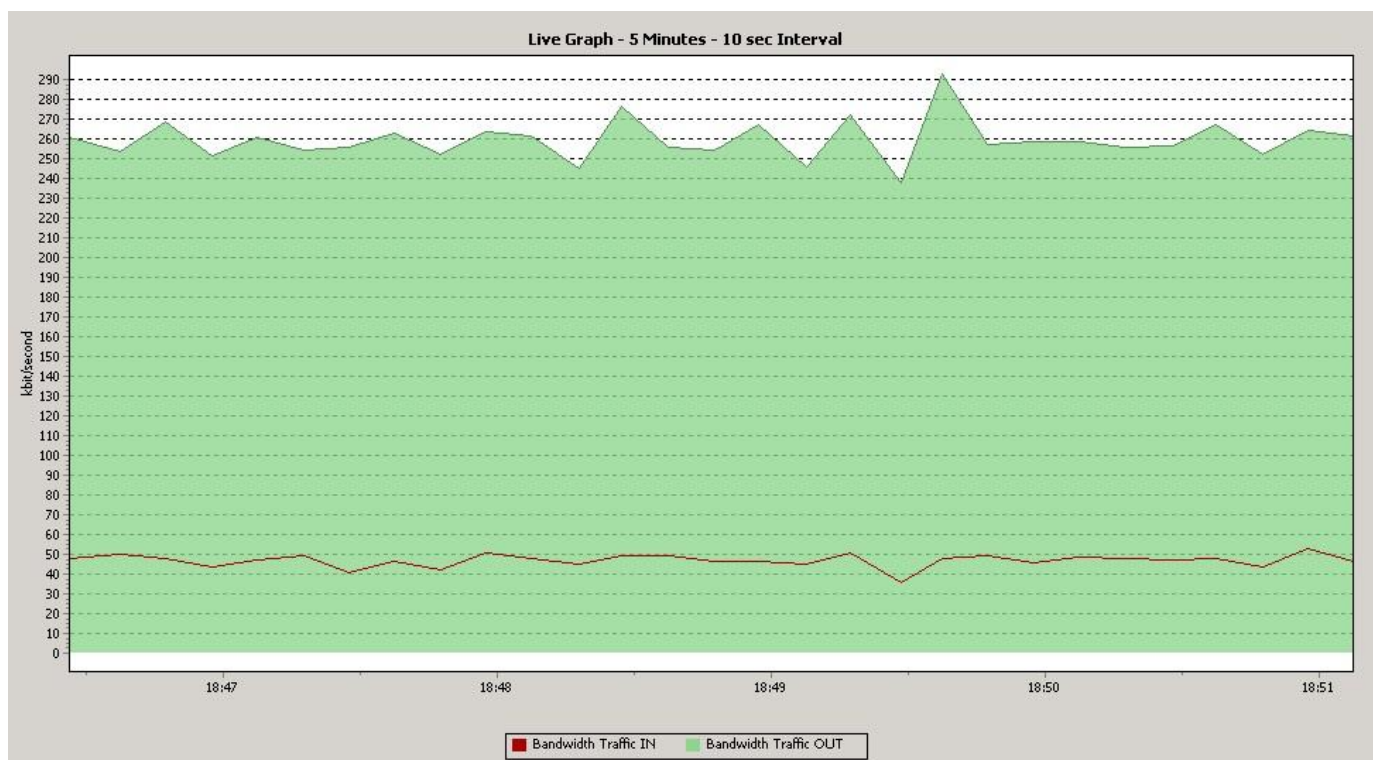| **Solicitante:** SES – Secretaria de Estado de Saúde de Minas Gerais		**Data:** 07/05/2012	
NOC/Operadora: Jefferson de Souza Marques		**Operadora/Cliente:** Marcos Paulo de Sousa Ferreira	
GRE/Prodemge: Rafael Alves Ferreira		**Responsável/cliente:** Valéria Roberta Ferreira	
Consórcio STM/Vodanet	**VSAT-ID** SES-FEHO-3319	**Porta kbps** 384/153	**Plataforma** VSAT

Live Graph - 5 Minutes - 10 sec Interval

```
#
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           : 11.583747 GHz
Symbol Rate         : 7.119887 Msps
S2 ModCod
      - receiving   : 4    QPSK-1/2
      - current max : 22   16APSK-8/9
Pilot               : On
Frame length        : Short frame
DVB S2 Mode         : ACM
Roll off            : 0.25
SNR                 : 14.7 dB
Input Power         : -28 dBm
```

```
#
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU output power     : -18 dBm
EIRP                 : 46.5 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     : -16.2 dBm
ODU Output Power     : 34.6 dBm
EIRP                 : 45.8 dBW
Eb/No                : 13.5 dB
Header Compression   :  DSM-CC
Timing correction    : -352 us (270635 us)
Frequency correction: 90 Hz

IP DVB 10.148.0.189/32

Pinging 10.145.44.1 with 32 bytes of data:

Reply from 10.145.44.1: bytes=32 time=571ms TTL=62
Reply from 10.145.44.1: bytes=32 time=582ms TTL=62
Reply from 10.145.44.1: bytes=32 time=602ms TTL=62
Reply from 10.145.44.1: bytes=32 time=613ms TTL=62
Reply from 10.145.44.1: bytes=32 time=536ms TTL=62
Reply from 10.145.44.1: bytes=32 time=556ms TTL=62
Reply from 10.145.44.1: bytes=32 time=534ms TTL=62
Reply from 10.145.44.1: bytes=32 time=587ms TTL=62
Reply from 10.145.44.1: bytes=32 time=599ms TTL=62
Reply from 10.145.44.1: bytes=32 time=556ms TTL=62

Ping statistics for 10.145.44.1:
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 534ms, Maximum = 613ms, Average = 573ms
```