TERMO DE ACEITE TÉCNICO

Solicitante: SES – Secretaria de Estado de Saúde de Minas Gerais	**Data:** 17/02/2012

NOC/Operadora: Jefferson de Souza Marques	**Operadora/Cliente:** Antonio Gonçalves

GRE/Prodemge: Rafael Alves Ferreira	**Responsável/cliente:** Rodrigo Avilar

Consórcio	VSAT-ID	Porta kbps	Plataforma
STM/Vodanet	SES-CATA-0851	384/153	VSAT

Live Graph - 5 Minutes - 10 sec Interval

■ Bandwidth Traffic IN   ■ Bandwidth Traffic OUT
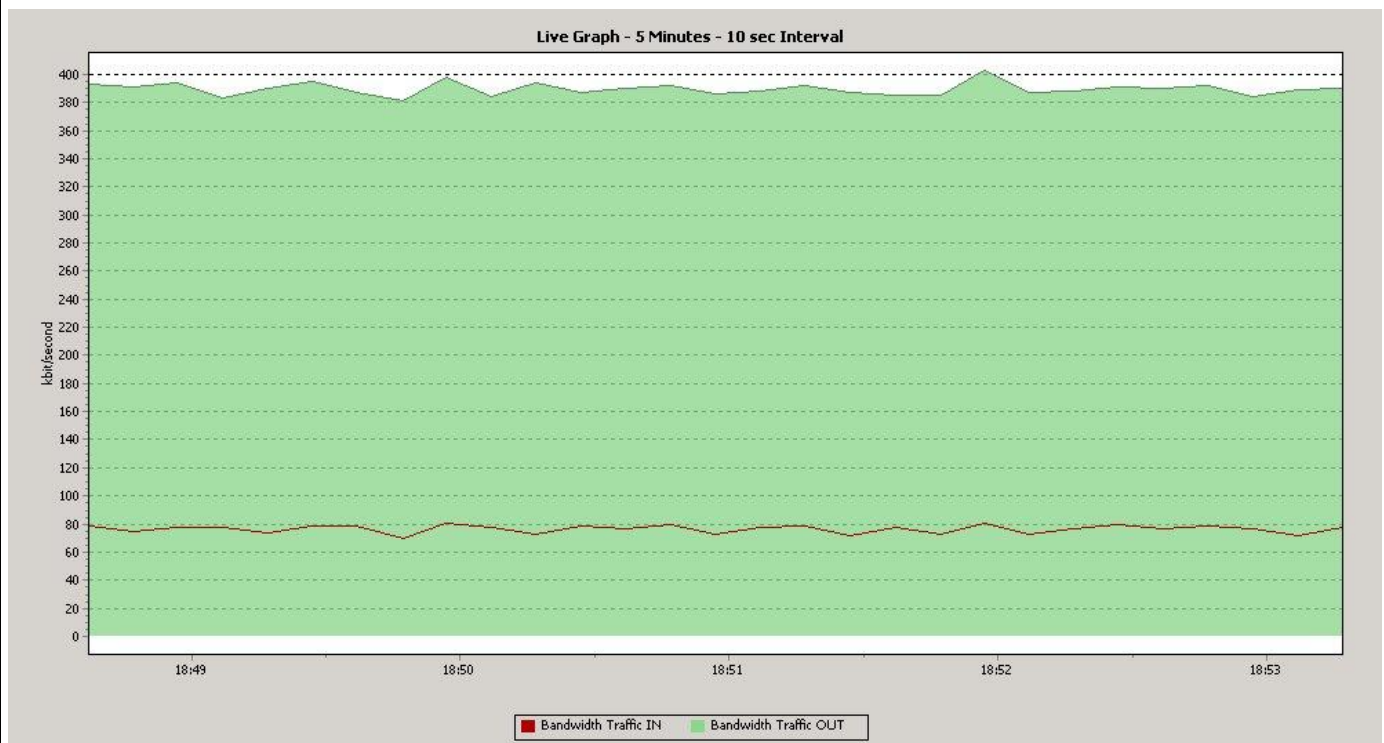
```
#
Satellite (DVB) RX Configuration
-------------------------------
Auto start          : Enabled
Max MODCOD          : 15   8PSK-5/6 (SNR threshold: 10.6 dB)
RX watchdog         : 15 minute

Idx  Pri  SymbRate[Msps]  Freq[GHz]  Mode    PopId   Enable
* 0  0     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           : 11.583808 GHz
Symbol Rate         : 7.119999 Msps
S2 ModCod
     - receiving  : 4   QPSK-1/2
     - current max : 15   8PSK-5/6
Pilot               : On
Frame length        : Short
DVB S2 Mode         : ACM
Roll off            : 0.25
SNR                 : 14.6 dB
Input Power         : -32 dBm
```

```
#
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -11 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power     : 32.7 dBm
EIRP                 : 46.0 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     : -16.6 dBm
ODU Output Power     : 32.8 dBm
EIRP                 : 46.1 dBW
Es/No                : 13.5 dB
Header Compression   :  DSM-CC
Timing correction    : -310 us (271686 us)
Frequency correction: 30 Hz


IP DVB 10.148.0.68/32


Pinging 10.144.170.1 with 32 bytes of data:

Reply from 10.144.170.1: bytes=32 time=591ms TTL=62
Reply from 10.144.170.1: bytes=32 time=611ms TTL=62
Reply from 10.144.170.1: bytes=32 time=581ms TTL=62
Reply from 10.144.170.1: bytes=32 time=536ms TTL=62
Reply from 10.144.170.1: bytes=32 time=556ms TTL=62
Reply from 10.144.170.1: bytes=32 time=600ms TTL=62
Reply from 10.144.170.1: bytes=32 time=587ms TTL=62
Reply from 10.144.170.1: bytes=32 time=598ms TTL=62
Reply from 10.144.170.1: bytes=32 time=555ms TTL=62
Reply from 10.144.170.1: bytes=32 time=630ms TTL=62

Ping statistics for 10.144.170.1:
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 536ms, Maximum = 630ms, Average = 584ms
```