TERMO DE ACEITE TÉCNICO

prodemge

Solicitante: SES – Secretaria de Estado de Saúde de Minas Gerais	**Data:** 05/01/2012

NOC/Operadora: Jefferson de Souza Marques	**Operadora/Cliente:** Alexandre Pascoal

GRE/Prodemge: Douglas Álvares	**Responsável/cliente:** Henry Lanoicar Pires

Consórcio	VSAT-ID	Porta kbps	Plataforma
STM/Vodanet	SES-PAPO-0738	384/153	VSAT

Live Graph - 5 Minutes - 10 sec Interval

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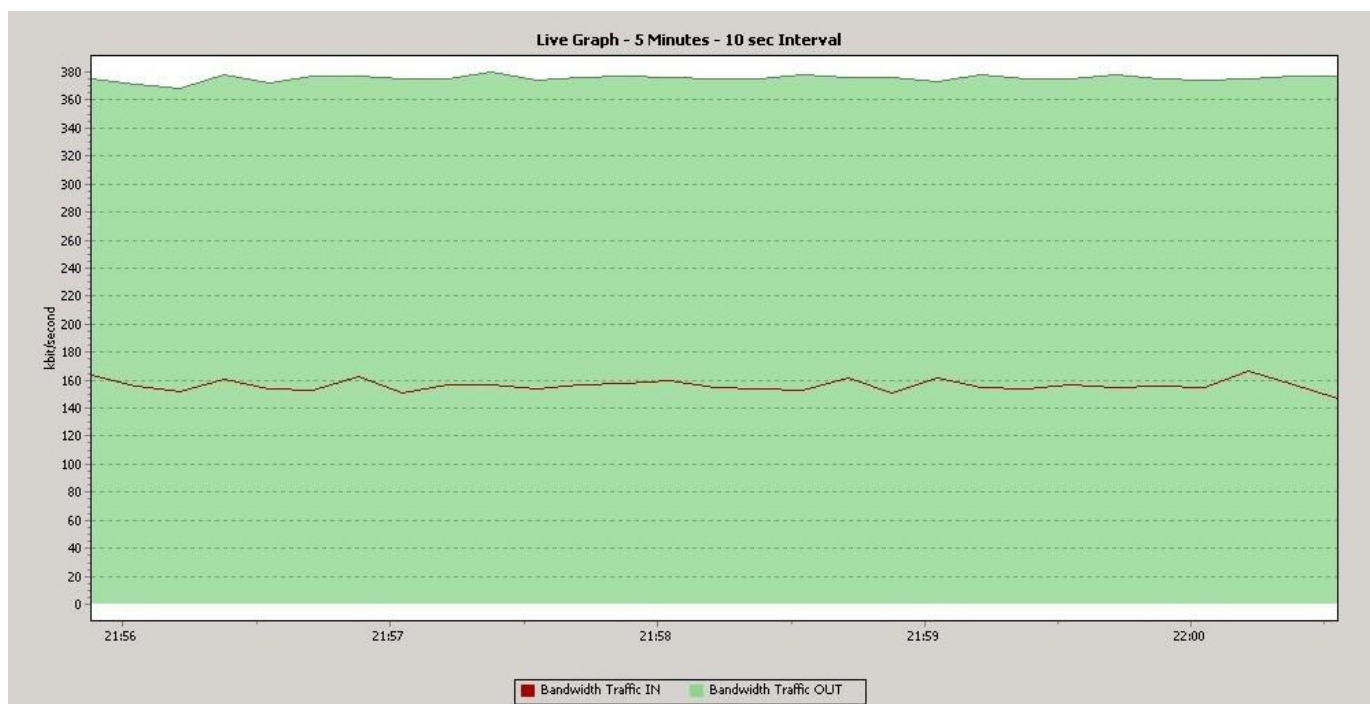
```
#
Satellite (DVB) RX Configuration
-------------------------------
Auto start          : Enabled
Max MODCOD          : 15   8PSK-5/6 (SNR threshold: 9.6 dB)
ACM Latency         : On
RX watchdog         : 15 minute

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           : 11.583943 GHz
Symbol Rate         : 7.119972 Msps
S2 ModCod
      - receiving   : 13   8PSK-2/3
      - current max : 23   16APSK-9/10
Pilot               : On
Frame length        : Short frame
DVB S2 Mode         : ACM
Roll off            : 0.25
SNR                 : 15.2 dB
Input Power         : -31 dBm
```

```
#
Satellite (DVB) TX Configuration
-------------------------------
Auto start          : Enabled
IDU output power    : -21 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    : -18.3 dBm
ODU Output Power    : 32.2 dBm
EIRP                : 45.7 dBW
Eb/No               : 14.0 dB
Header Compression  :  DSM-CC
Timing correction   : -381 us (271976 us)
Frequency correction: 130 Hz


IP DVB 10.148.0.15/32

Pinging 10.144.72.1 with 32 bytes of data:
Reply from 10.144.72.1: bytes=32 time=587ms TTL=62
Reply from 10.144.72.1: bytes=32 time=599ms TTL=62
Reply from 10.144.72.1: bytes=32 time=556ms TTL=62
Reply from 10.144.72.1: bytes=32 time=544ms TTL=62
Reply from 10.144.72.1: bytes=32 time=555ms TTL=62
Reply from 10.144.72.1: bytes=32 time=576ms TTL=62
Reply from 10.144.72.1: bytes=32 time=586ms TTL=62
Reply from 10.144.72.1: bytes=32 time=607ms TTL=62
Reply from 10.144.72.1: bytes=32 time=618ms TTL=62
Reply from 10.144.72.1: bytes=32 time=541ms TTL=62
Ping statistics for 10.144.72.1:
Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 541ms, Maximum = 618ms, Average = 576ms
```