![prodemge logo] prodemge	**TERMO DE ACEITE TÉCNICO**

Solicitante: SES – Secretaria de Estado de Saúde de Minas Gerais			**Data:** 28/02/2012

NOC/Operadora: Renan Borges Sousa		**Operadora/Cliente:** Leandro de Souza Cardoso	

GRE/Prodemge: Carlos Alberto		**Responsável/cliente:** Iara Cardoso de Oliveira	

Consórcio	**VSAT-ID**	**Porta kbps**	**Plataforma**
STM/Vodanet	SES-SATE-0819	384/153	VSAT
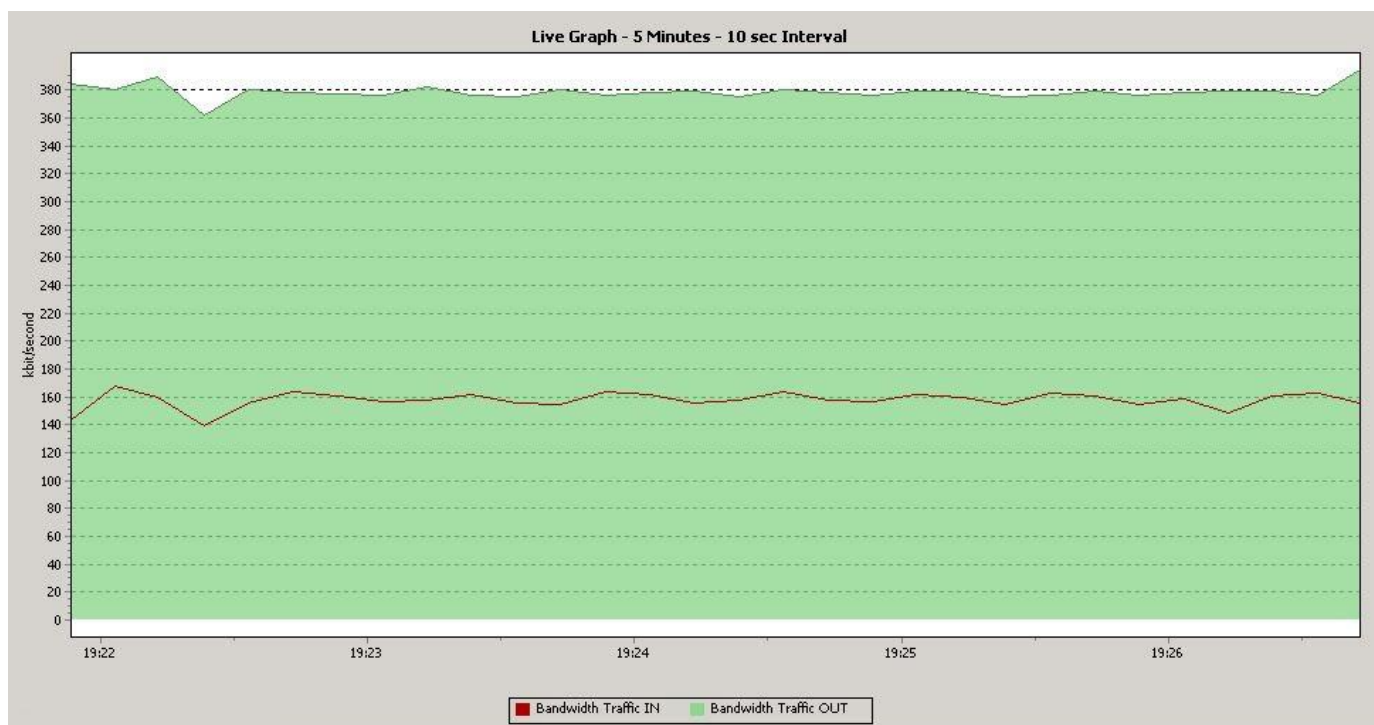

```
Satellite (DVB) RX Configuration
-------------------------------
Auto start          : Enabled
Max MODCOD          : 15   8PSK-5/6 (SNR threshold: 10.6 dB)
RX watchdog         : 15 minute

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           : 11.584006 GHz
Symbol Rate         : 7.120070 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                 : 14.5 dB
Input Power         : -35 dBm
#
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start            : Enabled
IDU Output Power      : -20 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      : -17.5 dBm
ODU Output Power      : 32.4 dBm
EIRP                  : 45.7 dBW
Es/No                 : 14.0 dB
Header Compression    :  DSM-CC
Timing correction     : -292 us (272179 us)
Frequency correction: 30 Hz

IP DVB 10.148.0.90/32

Pinging 10.144.138.1 with 32 bytes of data:

Reply from 10.144.138.1: bytes=32 time=563ms TTL=62
Reply from 10.144.138.1: bytes=32 time=584ms TTL=62
Reply from 10.144.138.1: bytes=32 time=596ms TTL=62
Reply from 10.144.138.1: bytes=32 time=617ms TTL=62
Reply from 10.144.138.1: bytes=32 time=540ms TTL=62
Reply from 10.144.138.1: bytes=32 time=551ms TTL=62
Reply from 10.144.138.1: bytes=32 time=548ms TTL=62
Reply from 10.144.138.1: bytes=32 time=592ms TTL=62
Reply from 10.144.138.1: bytes=32 time=579ms TTL=62
Reply from 10.144.138.1: bytes=32 time=590ms TTL=62

Ping statistics for 10.144.138.1:
Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 540ms, Maximum = 617ms, Average = 576ms
```