



# TERMO DE ACEITE TÉCNICO

**Solicitante:** SES – Secretaria de Estado de Saúde de Minas Gerais

**Data:** 02/03/2012

**NOC/Operadora:** Jefferson de Souza Marques

**Operadora/Cliente:** Cid Santos

**GRE/Prodemge:** Bruno Hauck

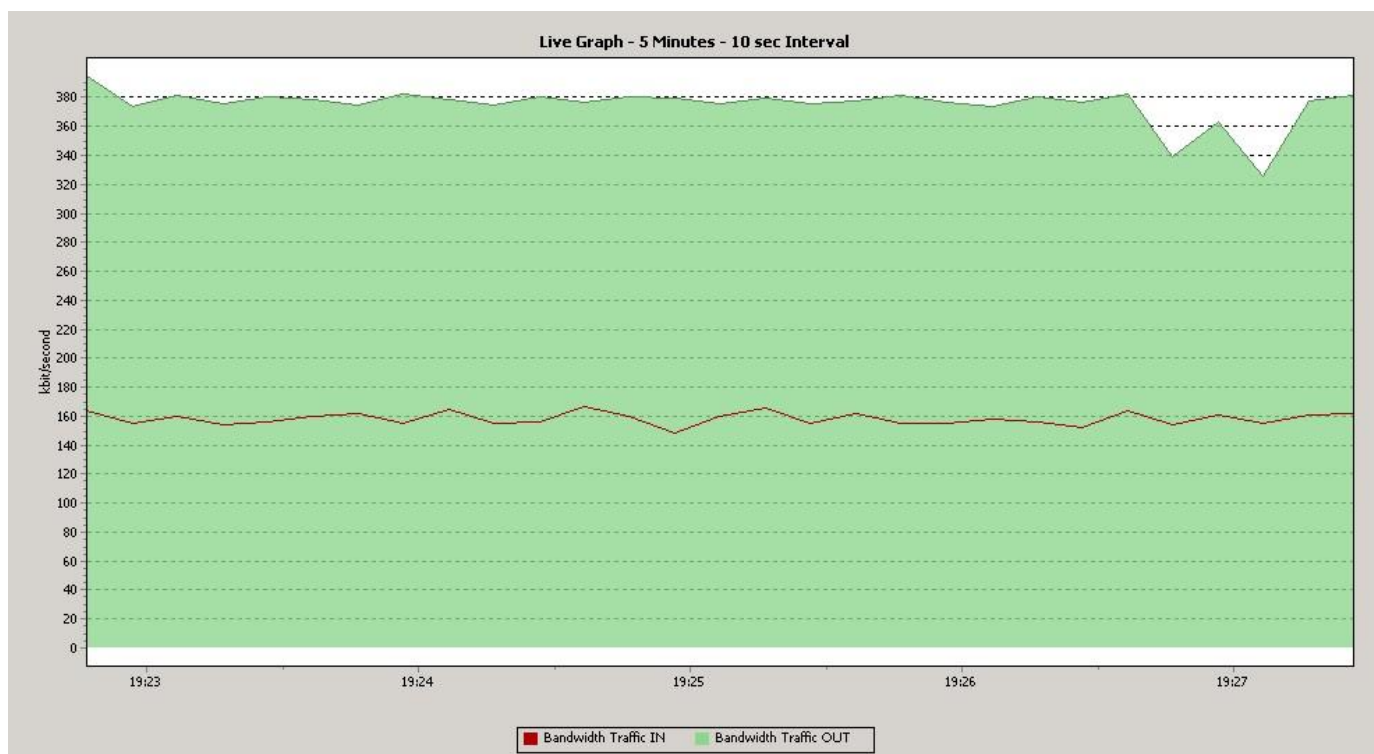
**Responsável/cliente:** Ismael Moreira

**Consórcio**  
STM/Vodanet

**VSAT-ID**  
SES-CALO-0853

**Porta kbps**  
384/153

**Plataforma**  
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[Mbps]	Freq[GHz]	Mode	PopId	Enable
* 0	1	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            : 11.583679 GHz
Symbol Rate          : 7.119972 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                   : 14.2 dB
Input Power          : -32 dBm
```

#

# Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
IDU Output Power : -21 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 : 32.7 dBm  
EIRP : 46.0 dBW  
Es/No : 14.5 dB  
Header Compression : DSM-CC  
Timing correction : -333 us (272367 us)  
Frequency correction: -20 Hz

IP DVB 10.148.0.97/32

Pinging 10.144.172.1 with 32 bytes of data:

Reply from 10.144.172.1: bytes=32 time=560ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=581ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=591ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=612ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=536ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=546ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=567ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=578ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=598ms TTL=62  
Reply from 10.144.172.1: bytes=32 time=577ms TTL=62

Ping statistics for 10.144.172.1:

Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 536ms, Maximum = 612ms, Average = 574ms