



TERMO DE ACEITE TÉCNICO

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

Data: 17/01/2012

NOC/Operadora: Jefferson de Souza Marques

Operadora/Cliente: Antonio Gonçalves

GRE/Prodemge: Rafael Alves Ferreira

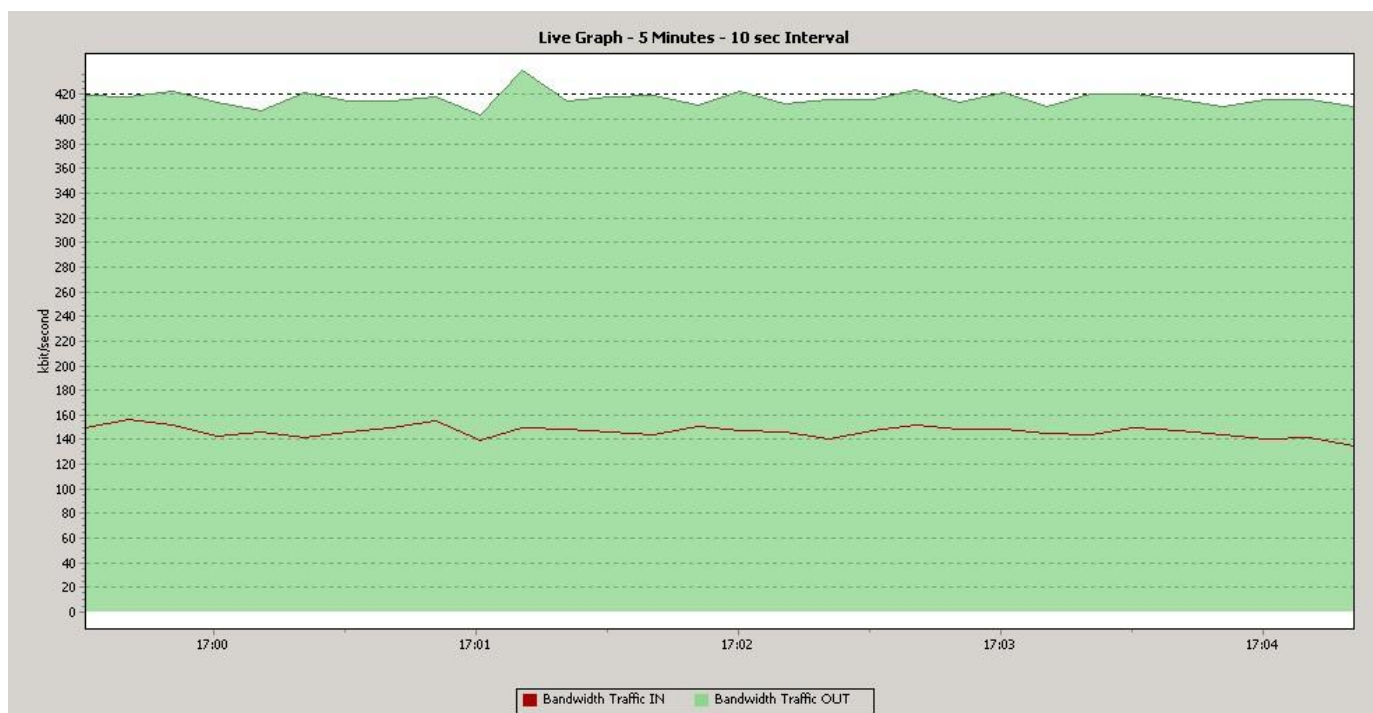
Responsável/cliente: Thiago Siqueira Marques

Consórcio
STM/Vodanet

VSAT-ID
SES-DERA-0685

Porta kbps
384/153

Plataforma
VSAT



```
#
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[Mbps]	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            : 11.583977 GHz
Symbol Rate          : 7.120012 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                  : 14.5 dB
Input Power          : -34 dBm
```

```
#
Satellite (DVB) TX Configuration
-----
Auto start           : Enabled
IDU output power     : -11 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     : -20.4 dBm
ODU Output Power     : 32.6 dBm
EIRP                 : 45.9 dBW
Eb/No                : 14.0 dB
Header Compression   : DSM-CC
Timing correction    : -493 us (272784 us)
Frequency correction: 20 Hz
#

IP DVB: 10.148.0.45/32

Pinging 10.144.40.1 with 32 bytes of data:
Reply from 10.144.40.1: bytes=32 time=664ms TTL=61
Reply from 10.144.40.1: bytes=32 time=601ms TTL=61
Reply from 10.144.40.1: bytes=32 time=717ms TTL=61
Reply from 10.144.40.1: bytes=32 time=641ms TTL=61
Reply from 10.144.40.1: bytes=32 time=564ms TTL=61
Reply from 10.144.40.1: bytes=32 time=668ms TTL=61
Reply from 10.144.40.1: bytes=32 time=596ms TTL=61
Reply from 10.144.40.1: bytes=32 time=646ms TTL=61
Reply from 10.144.40.1: bytes=32 time=578ms TTL=61
Reply from 10.144.40.1: bytes=32 time=715ms TTL=61
Ping statistics for 10.144.40.1:
Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 564ms, Maximum = 717ms, Average = 639ms
```