



TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Henrique da R. Bernardes

Operadora/Cliente: Fabio Fernandes

GRE/Prodemge: Douglas Alvares

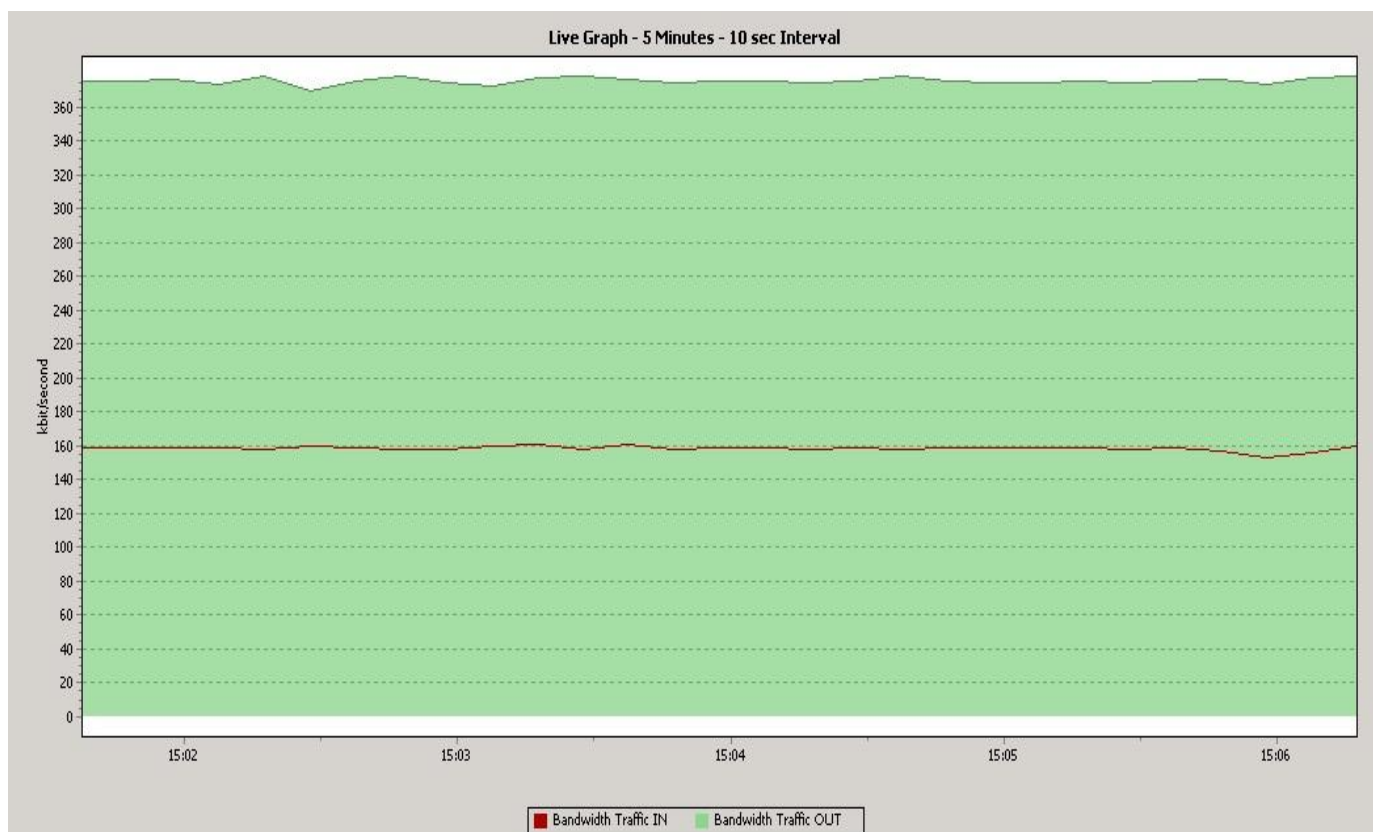
Responsável/cliente: Graziele Deia

Consórcio
STM/Vodanet

VSAT-ID
SES-SERO-5096

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[Msp/s]	Freq[GHz]	Mode	PopId	Enable
* 0	0	45.000000	11.606250	DVB-S2	3	Yes

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 65281, Prodemge@Vodanet
Frequency : 11.606323 GHz
Symbol Rate : 45.000040 Msp/s
S2 ModCod
- receiving : 4 QPSK-1/2
- current max : 13 8PSK-2/3
Pilot : On
Frame length : Short
DVB S2 Mode : ACM
Roll off : 0.20
SNR : 9.8 dB
Input Power : -20 dBm

Satellite (DVB) TX Configuration

```
-----  
Auto start           : Enabled  
IDU Output Power     : -30 dBm  
IDU Max Output Power : 0.0 dBm  
ODU Output Power     : max  
EIRP                 : max  
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     : -15.2 dBm  
ODU Output Power     : 33.9 dBm  
EIRP                 : 47.4 dBW  
Es/No                : 9.5 dB  
Header Compression   : DSM-CC  
Timing correction    : 180 us (251604 us)  
Frequency correction : 90 Hz
```

IP DVB: 10.148.5.74/32

Pinging 10.173.195.1 with 32 bytes of data:

```
Reply from 10.173.195.1: bytes=32 time=551ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=563ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=580ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=561ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=613ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=533ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=578ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=566ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=575ms TTL=62  
Reply from 10.173.195.1: bytes=32 time=531ms TTL=62
```

Ping statistics for 10.173.195.1:

```
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 531ms, Maximum = 613ms, Average = 565ms
```