



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

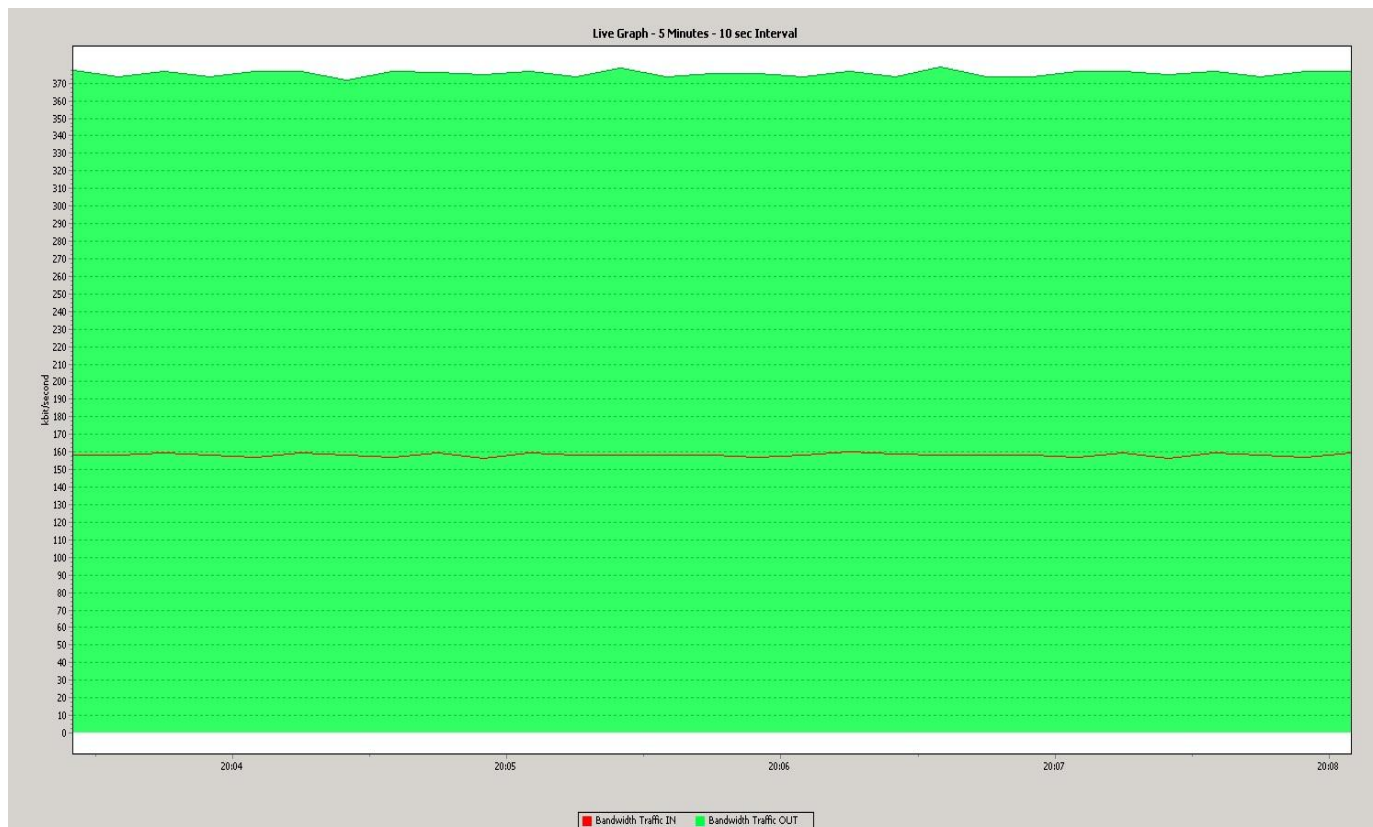
Responsável/cliente: Ronaldo dos Santos

Consórcio
STM/Vodanet

VSAT-ID
SES-SERO-5091

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 : 11.605796 GHz
Symbol Rate : 44.999826 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 : 9.6 dB
Input Power : -25 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

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-----  
State                : On (TDMA)  
IDU Output Power     : -18.0 dBm  
ODU Output Power     : 33.6 dBm  
EIRP                 : 47.1 dBW  
Es/No                : 11.0 dB  
Header Compression   : DSM-CC  
Timing correction    : 269 us (251564 us)  
Frequency correction: 60 Hz
```

IP DVB: 10.148.5.80/32

Pinging 10.173.190.1 with 32 bytes of data:

```
Reply from 10.173.190.1: bytes=32 time=530ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=539ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=559ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=571ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=595ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=601ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=621ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=544ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=582ms TTL=62  
Reply from 10.173.190.1: bytes=32 time=536ms TTL=62
```

Ping statistics for 10.173.190.1:

```
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 530ms, Maximum = 621ms, Average = 567ms
```