



TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Henrique da R. Bernardes

Operadora/Cliente: Paulo Henrique dos Santos

GRE/Prodemge: Douglas Alvares

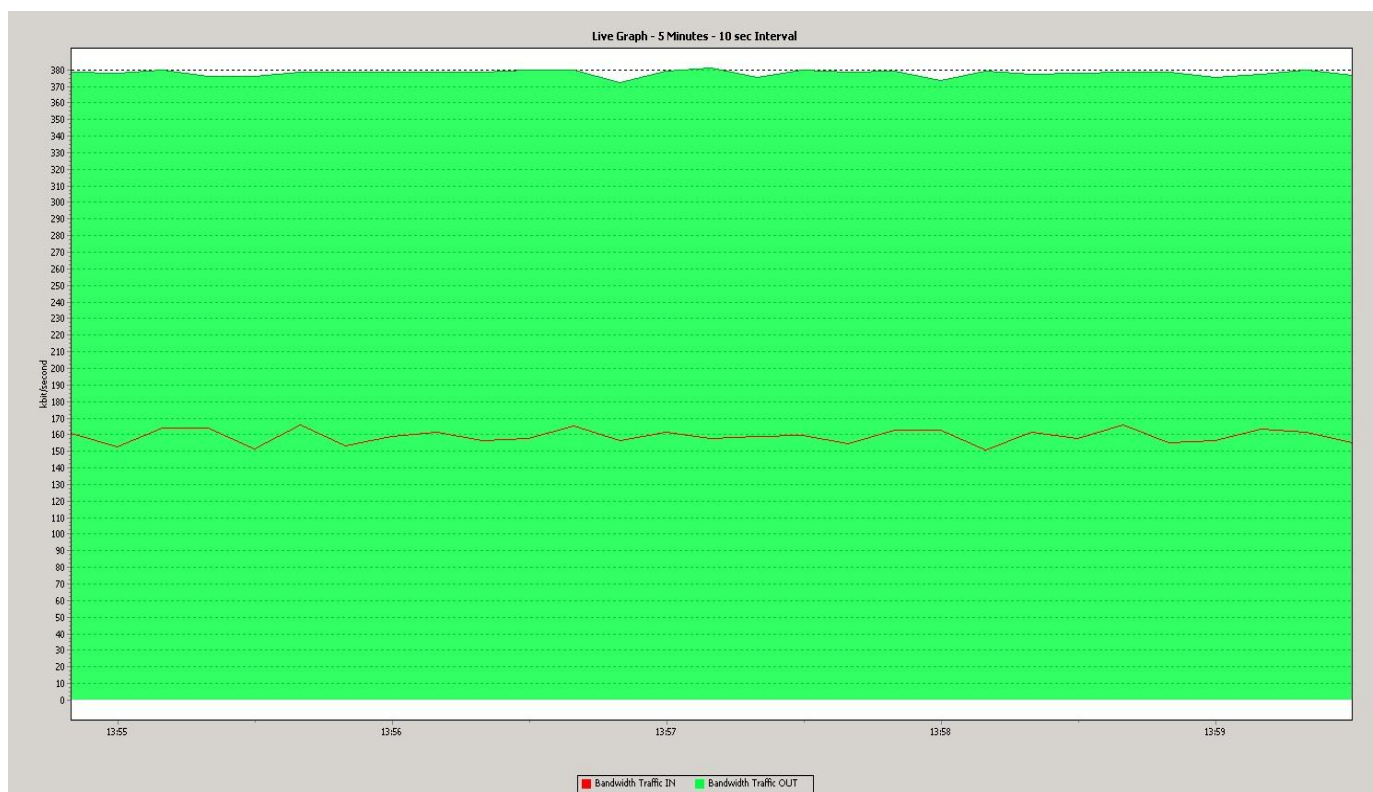
Responsável/cliente: Jane Cristina Rocha

Consórcio
STM/Vodanet

VSAT-ID
SES-CAHO-4544

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	0	45.000000	11.606250	DVB-S2	2	Yes
1	1	0.000000	0.000000	DVB-S2	2	Yes

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 65281, Prodemge@Vodanet
Frequency : 11.606099 GHz
Symbol Rate : 45.000263 Msps
S2 ModCod
- receiving : 4 QPSK-1/2
- current max : 10 QPSK-8/9
Pilot : On
Frame length : Short
DVB S2 Mode : ACM
Roll off : 0.20
SNR : 8.8 dB
Input Power : -28 dBm

Satellite (DVB) TX Configuration

```
-----  
Auto start           : Enabled  
IDU Output Power     : -20 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     : -15.6 dBm  
ODU Output Power     : 34.3 dBm  
EIRP                 : 47.6 dBW  
Es/No                : 10.0 dB  
Header Compression   : DSM-CC  
Timing correction    : -95 us (255143 us)  
Frequency correction: -60 Hz
```

IP DVB: 10.148.3.157/32

C:\>ping -n 10 10.172.220.1

Pinging 10.172.220.1 with 32 bytes of data:

```
Reply from 10.172.220.1: bytes=32 time=617ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=540ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=583ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=570ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=578ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=536ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=523ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=533ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=554ms TTL=62  
Reply from 10.172.220.1: bytes=32 time=537ms TTL=62
```

Ping statistics for 10.172.220.1:

```
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),  
    Approximate round trip times in milli-seconds:  
        Minimum = 523ms, Maximum = 617ms, Average = 557ms
```