



TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Henrique da R. Bernardes

Operadora/Cliente: Efren Mol

GRE/Prodemge: Douglas Alvares

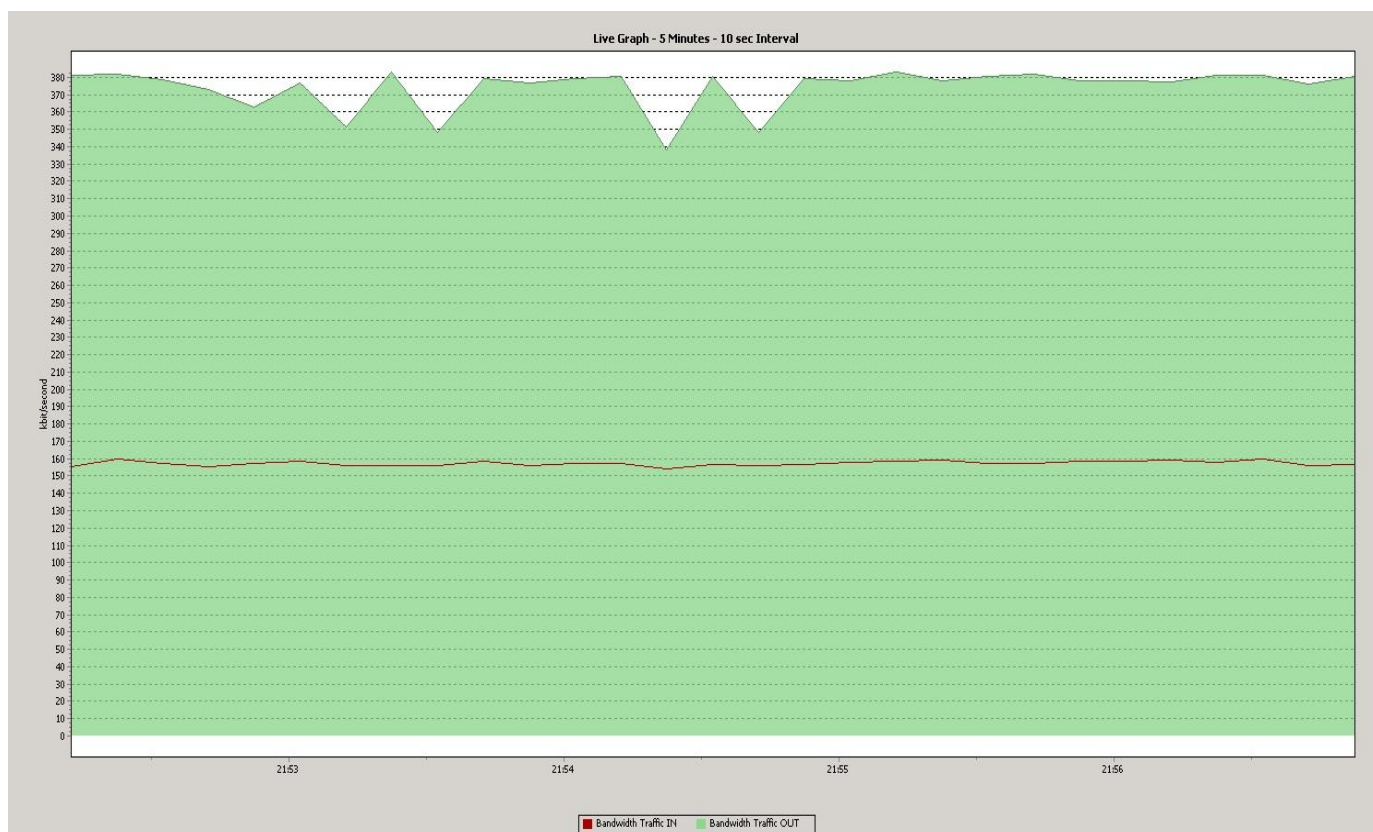
Responsável/cliente: Alerte Araujo

Consórcio
STM/Vodanet

VSAT-ID
SES-IRAS-4565

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

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 65281, Prodemge@Vodanet
Frequency : 11.606294 GHz
Symbol Rate : 45.000326 Msps
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 : -29 dBm

Satellite (DVB) TX Configuration

```
-----  
Auto start           : Enabled  
IDU Output Power     : -29 dBm  
IDU Max Output Power: 0.0 dBm  
ODU Output Power     : 28.7 dBm  
EIRP                 : 42.0 dBW  
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     : -26.5 dBm  
ODU Output Power     : 28.5 dBm  
EIRP                 : 41.8 dBW  
Es/No                : 8.5 dB  
Header Compression   : DSM-CC  
Timing correction    : 192 us (253412 us)  
Frequency correction: 210 Hz
```

IP DVB: 10.148.4.3/32

C:\>ping -n 10 10.172.241.1

Pinging 10.172.241.1 with 32 bytes of data:

```
Reply from 10.172.241.1: bytes=32 time=530ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=641ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=564ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=668ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=595ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=699ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=626ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=550ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=654ms TTL=62  
Reply from 10.172.241.1: bytes=32 time=577ms TTL=62
```

Ping statistics for 10.172.241.1:

```
    Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 530ms, Maximum = 699ms, Average = 610ms
```