



TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Henrique da R. Bernardes

Operadora/Cliente: Renato Bertoline

GRE/Prodemge: Douglas Alvares

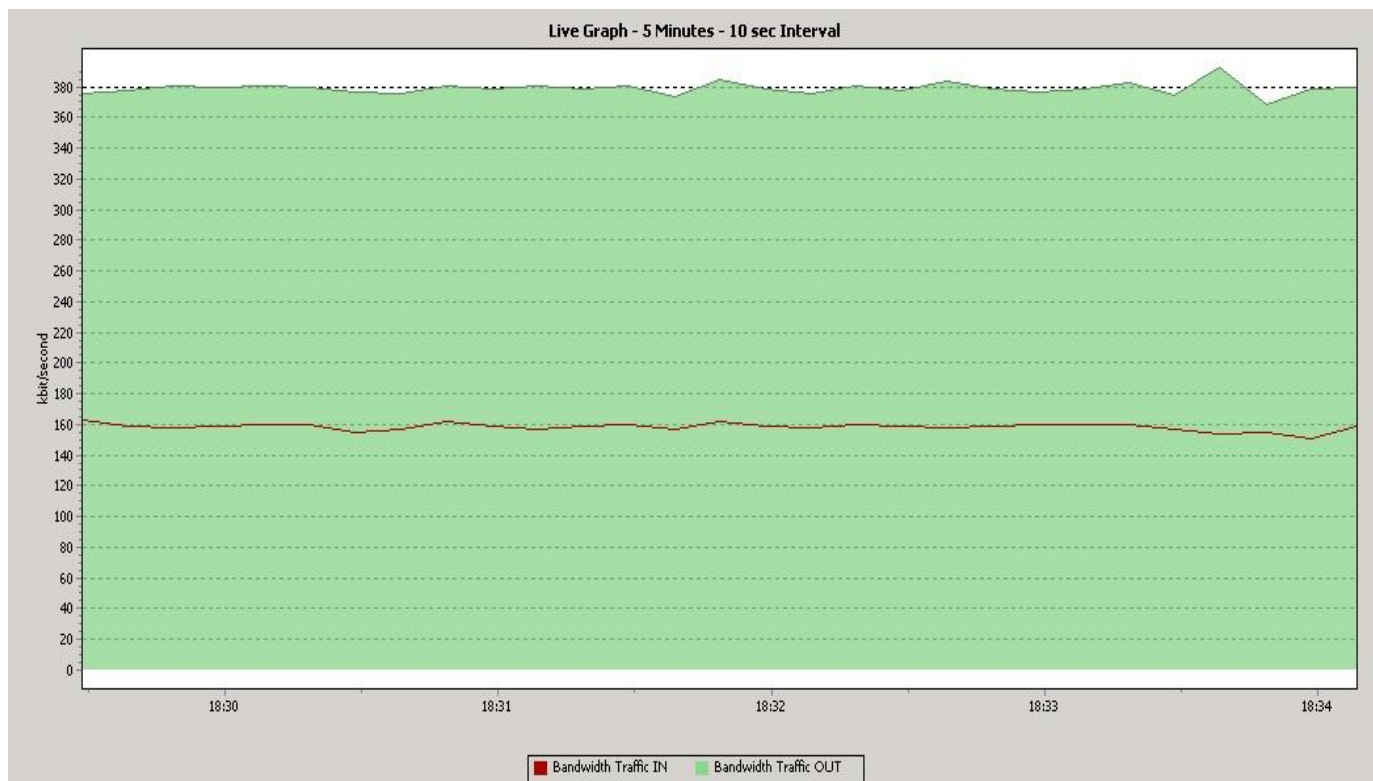
Responsável/cliente: Iza Menezes

Consórcio
STM/Vodanet

VSAT-ID
SES-NEMO-4294

Porta kbps
384/153

Plataforma
VSAT



Satellite (DVB) RX Configuration

Auto start : Enabled
Max MODCOD : 15 8PSK-5/6 (SNR threshold: 10.6 dB)
ACM Latency : On
RX watchdog : 15 minute

Idx	Pri	SymbRate[Msp/s]	Freq[GHz]	Mode	PopId	Enable
* 0	0	13.333000	11.588250	DVB-S2	2	Yes
1	1	0.000000	0.000000	DVB-S2	2	No

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 65281, Prodemge@Vodanet
Frequency : 11.588472 GHz
Symbol Rate : 13.333013 Msp/s
S2 ModCod
- receiving : 4 QPSK-1/2
- current max : 15 8PSK-5/6
Pilot : On
Frame length : Short frame
DVB S2 Mode : ACM
Roll off : 0.25
SNR : 12.9 dB
Input Power : -34 dBm

Satellite (DVB) TX Configuration

```
-----  
Auto start           : Enabled  
IDU output power     : -11 dBm  
IDU max output power: 0.0 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     : -22.4 dBm  
ODU Output Power     : 28.4 dBm  
EIRP                 : 41.7 dBW  
Es/No                : 6.0 dB  
Header Compression   : DSM-CC  
Timing correction    : -30 us (261763 us)  
Frequency correction: 0 Hz
```

IP DVB: 10.148.3.4/32

C:\>ping -n 10 10.147.251.1

Pinging 10.147.251.1 with 32 bytes of data:

```
Reply from 10.147.251.1: bytes=32 time=632ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=555ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=659ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=586ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=697ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=613ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=540ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=614ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=537ms TTL=62  
Reply from 10.147.251.1: bytes=32 time=625ms TTL=62
```

Ping statistics for 10.147.251.1:

Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 537ms, Maximum = 697ms, Average = 605ms