



# 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

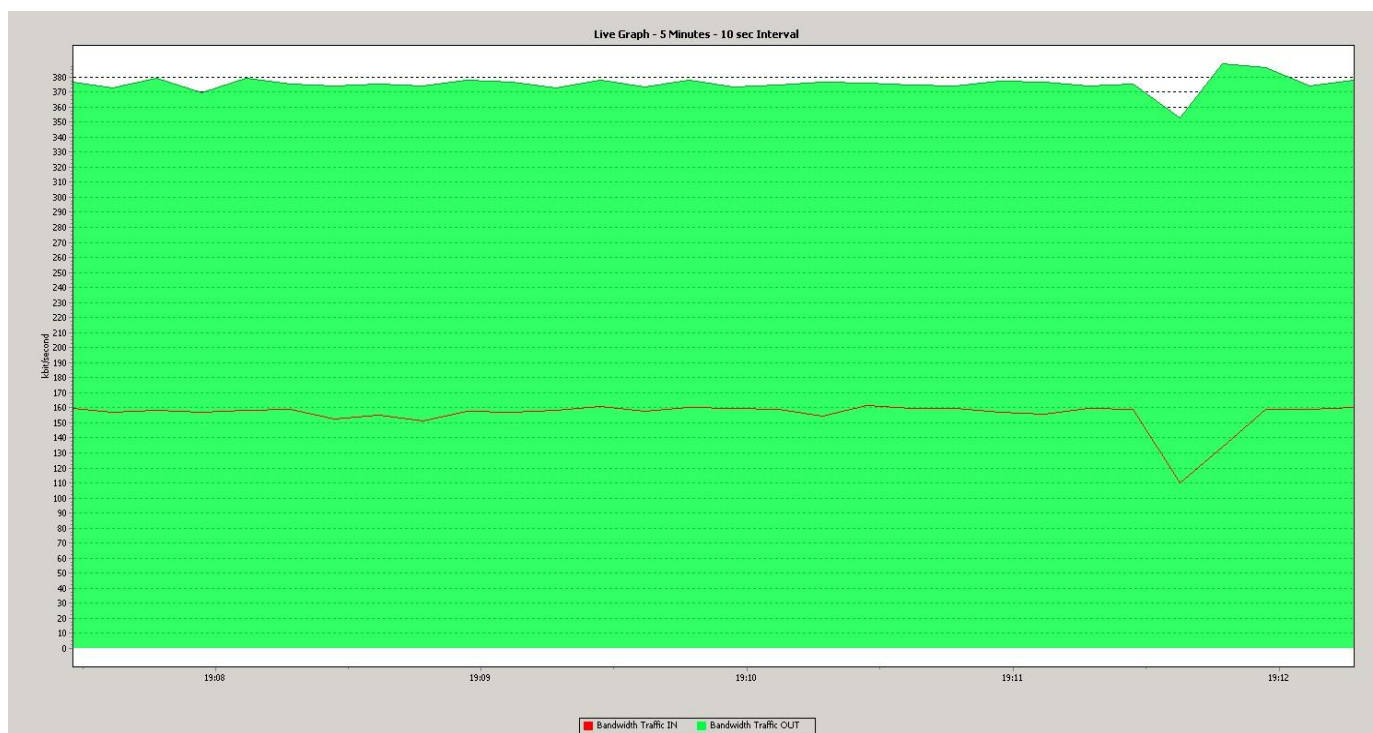
**Responsável/cliente:** Ketren Satomi

**Consórcio**  
STM/Vodanet

**VSAT-ID**  
SES-IRAS-4588

**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[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 : 11.606692 GHz  
Symbol Rate : 44.999849 Msps  
S2 ModCod  
- receiving : 4 QPSK-1/2  
- current max : 13 8PSK-2/3  
Pilot : On  
Frame length : Short frame  
DVB S2 Mode : ACM  
Roll off : 0.20  
SNR : 9.5 dB  
Input Power : -31 dBm

# Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
IDU output power : -30 dBm  
IDU max output power: 0.0 dBm  
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 : 34.4 dBm  
EIRP : 47.7 dBW  
Es/No : 12.0 dB  
Header Compression : DSM-CC  
Timing correction : 141 us (253407 us)  
Frequency correction: 210 Hz

IP DVB: 10.148.4.11 /32

C:\>ping -n 10 10.173.10.1

Pinging 10.173.10.1 with 32 bytes of data:

Reply from 10.173.10.1: bytes=32 time=587ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=603ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=526ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=602ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=557ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=574ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=556ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=605ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=620ms TTL=62  
Reply from 10.173.10.1: bytes=32 time=575ms TTL=62

Ping statistics for 10.173.10.1:

Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 526ms, Maximum = 620ms, Average = 580ms