

TERMO DE ACEITE TÉCNICO

Solicitante: VIVO- Projeto Escolas Rurais

NOC/Operador: Bruno Carvalho de Sá

Cliente: VIVO

Empresa
EMC Brasil

VSAT-ID
VIVO-PER-26083850-PE.

Link kbps
256/128

Plataforma
VSAT

```
# ip tracert 8.8.8.8
#
1      880 ms 880 ms 880 ms 10.10.11.2
2      560 ms 570 ms 790 ms 10.10.11.194
3      570 ms 570 ms 700 ms 10.10.12.2
4      640 ms 640 ms 780 ms 200.143.6.130
5      780 ms 780 ms 1140 ms 200.215.188.137
6      700 ms 700 ms 750 ms 200.147.28.145
7      660 ms 830 ms 840 ms 200.147.28.186
8      570 ms 780 ms 780 ms 189.40.252.50
9      530 ms 730 ms 730 ms 189.40.252.50
10     740 ms 740 ms 1040 ms 72.14.194.55
11     1070 ms      1070 ms 1070 ms 216.239.56.47
12     810 ms 820 ms 1340 ms 216.239.56.49
13     670 ms 670 ms 670 ms 8.8.8.8
Trace Complete
```

```
# ip tracert www.google.com.br
Invalid IP Address
# arp show
```

NetAddr	State	MacAddr	If
#			

Satellite (DVB) TX Configuration

```
-----
Auto start           : Enabled
IDU Output Power     : -15 dBm
IDU Max Output Power : 0.0 dBm
ODU Output Power     : 33.7 dBm
EIRP                 : 47.0 dBW
Default CW Frequency : 0.000000 GHz
ATM mode             : VC-Mux
Header Compression   : None
```

Satellite (DVB) Transmitter Status

```
-----
State                : On (TDMA)
IDU Output Power     : -22.8 dBm
ODU Output Power     : 33.6 dBm
EIRP                 : 46.9 dBW
Eb/No                : 14.0 dB
Header Compression   : Disabled
Timing correction    : -124 us (262300 us)
Frequency correction : -310 Hz
# dvb rx show
```

Satellite (DVB) RX Configuration

Auto start : Enabled
Max MODCOD : 23 16APSK-9/10 (SNR threshold: 23.5 dB)
RX watchdog : 15 minute

Idx	Pri	SymbRate[Msp/s]	Freq[GHz]	Mode	PopId	Enable
* 0	0	9.320000	12.055825	DVB-S2 4		Yes

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 1326, GlobalIP@Telstar-14R
Frequency : 12.055651 GHz
Symbol Rate : 9.319874 Msp/s
S2 ModCod
- receiving : 14 8PSK-3/4
- current max : 23 16APSK-9/10
Pilot : On
Frame length : Short
DVB S2 Mode : ACM
Roll off : 0.25
SNR : 14.8 dB
Input Power : -17 dBm

ping 8.8.8.8
64 bytes from 8.8.8.8: time=1170 ms
64 bytes from 8.8.8.8: time=1010 ms
64 bytes from 8.8.8.8: time=890 ms
64 bytes from 8.8.8.8: time=980 ms
64 bytes from 8.8.8.8: time=1080 ms

--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 received, 0.00 percent packet loss
rtt min/avg/max = 890/1020/1170 ms