TERMO DE ACEITE TÉCNICO

Solicitante: VIVO- Projeto Escolas Rurais

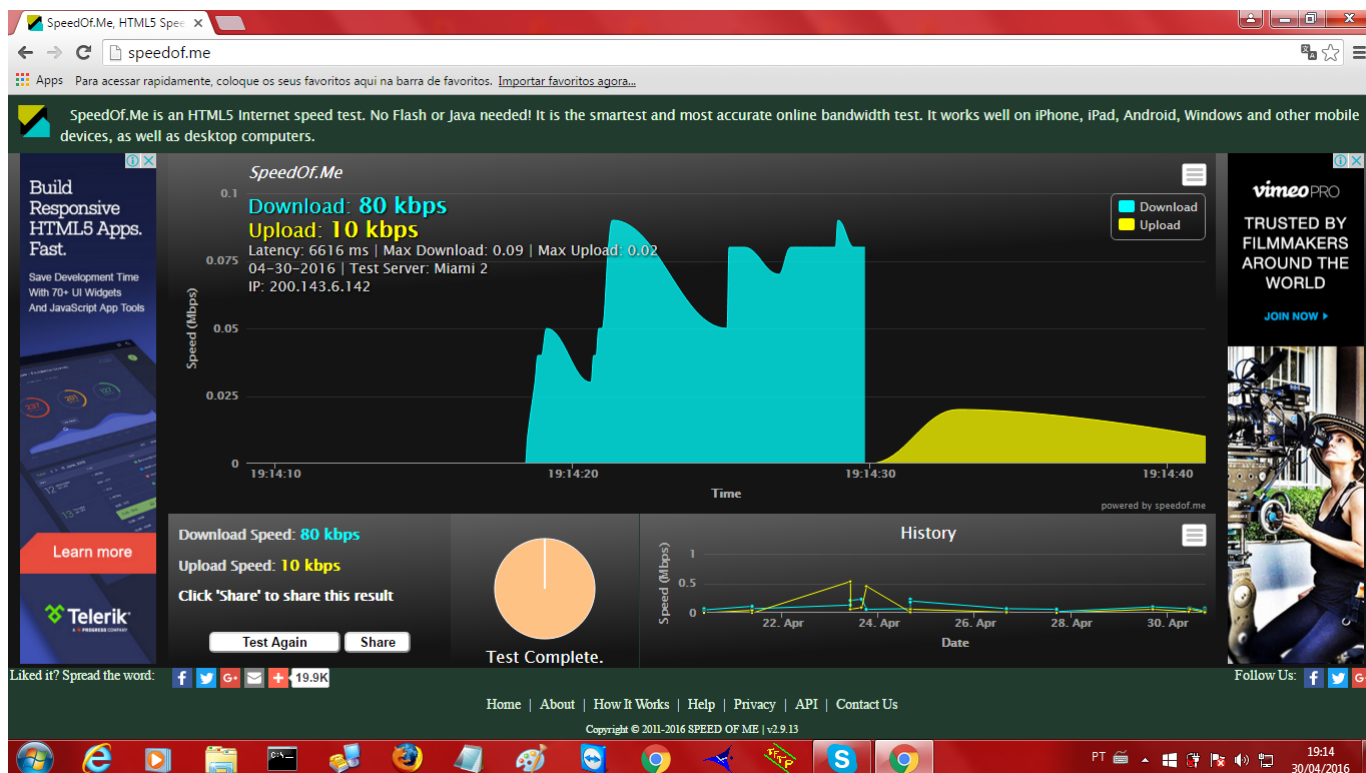**NOC/Operador:** Renan Borges Sousa   **Cliente: VIVO**

Empresa EMC Brasil	VSAT-ID VIVO-PER-31086690-MG	Link kbps 256k/128k	Plataforma VSAT


```
# dvb tx show

#
Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU Output Power    : -30 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  :  None


Satellite (DVB) Transmitter Status
--------------------------------
State               : On  (DVB-RCS)
IDU Output Power    : -18.9 dBm
ODU Output Power    : 34.8 dBm
EIRP                : 48.1 dBW
Es/No               : 15.5 dB
Header Compression  : Disabled
Timing correction   : -81 us (260937 us)
Frequency correction: 220 Hz
##

dvb rx show
```

```
#
Satellite (DVB) RX Configuration
--------------------------------
Auto start          : Enabled
Max Traffic MODCOD  : 23    16APSK-9/10
RX watchdog         : 15 minute

Idx  Pri  SymbRate[Msps] Freq[GHz] Mode   PopId   SatId  Pos   SatName
Name            Enable
* 0  0     9.320000      12.055825 DVB-S2 102         0    0.0 E
                Yes


Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 1326,  GlobalIP@Telstar-14R
Frequency           : 12.055822 GHz
Symbol Rate         : 9.320067 Msps
S2 ModCod
      - receiving   : 16   8PSK-8/9
      - current max : 16   8PSK-8/9
Pilot               : On
Frame length        : Short
DVB S2 Mode         : ACM
DVB S2 Stream type  : MPEG-TS
Roll off            : 0.20
SNR                 : 14.6 dB
Input Power         : -14 dBm



IP DVB 10.50.1.115/32
```

Ping desde o MGMT- Server ao IP de trafego e para o DVB.

```
C:\Documents and Settings\Administrator.DVB-RCS>ping 10.50.1.114

Pinging 10.50.1.114 with 32 bytes of data:

C:\Documents and Settings\Administrator.DVB-RCS>ping 10.50.1.115

Pinging 10.50.1.115 with 32 bytes of data:

Reply from 10.50.1.115: bytes=32 time=738ms TTL=62
Reply from 10.50.1.115: bytes=32 time=655ms TTL=62
Reply from 10.50.1.115: bytes=32 time=572ms TTL=62
Reply from 10.50.1.115: bytes=32 time=659ms TTL=62

Ping statistics for 10.50.1.115:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 572ms, Maximum = 738ms, Average = 656ms
```

Ping desde dentro da VSAT 8.8.8.8

```
# 64 bytes from 8.8.8.8: time=530 ms
64 bytes from 8.8.8.8: time=700 ms
64 bytes from 8.8.8.8: time=710 ms
64 bytes from 8.8.8.8: time=710 ms
64 bytes from 8.8.8.8: time=730 ms

---  ping statistics ---
5 packets transmitted, 5 received,  0.00 percent packet loss
rtt min/avg/max = 530/670/730 ms
```