TERMO DE ACEITE TÉCNICO

Solicitante: VIVO- Projeto Escolas Rurais

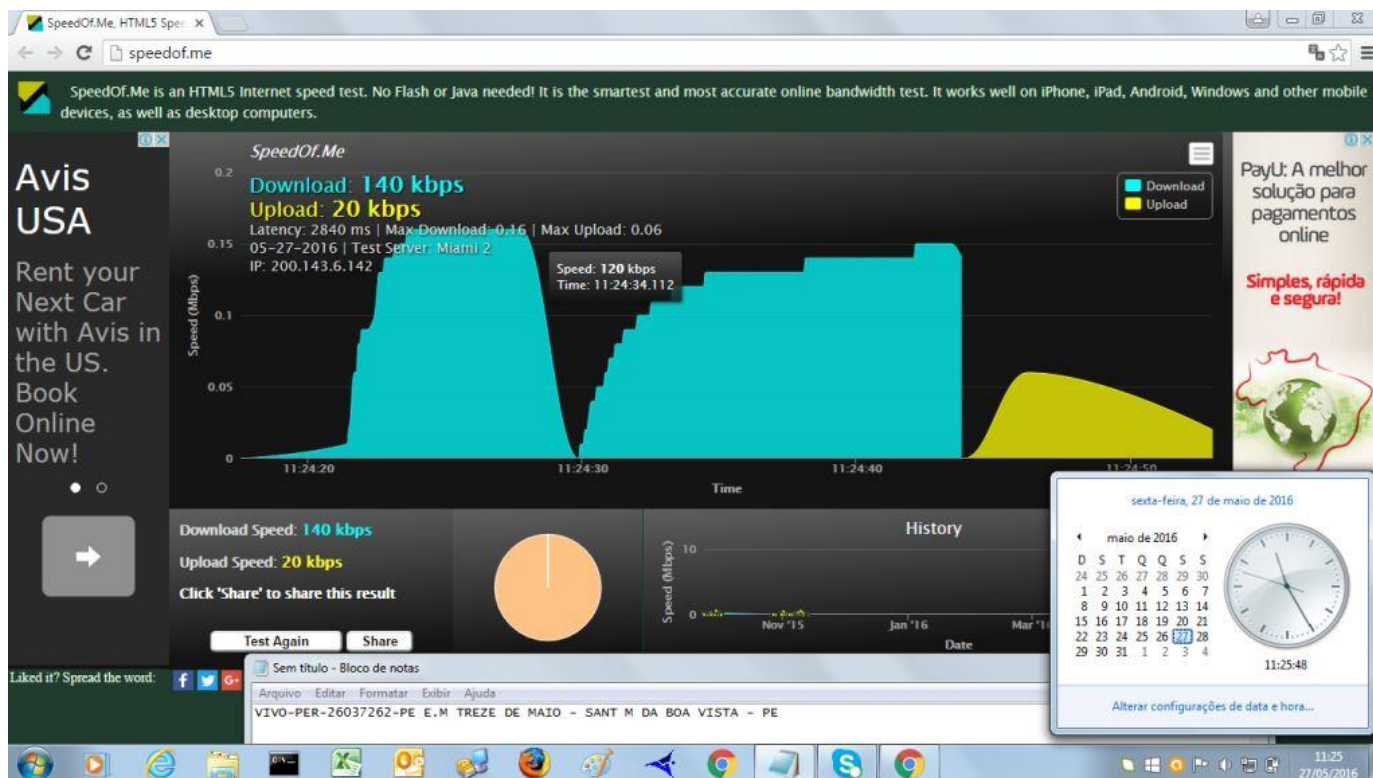| **NOC/Operador:** Renan Borges Sousa	**Cliente: VIVO**

Empresa EMC Brasil	**VSAT-ID** VIVO-PER-26037262-PE	**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    : 35.0 dBm
EIRP                : 48.0 dBW
Default CW Frequency: 0.000000 GHz
ATM mode            : VC-Mux
Header Compression  :  None


Satellite (DVB) Transmitter Status
--------------------------------
State               : On  (DVB-RCS)
IDU Output Power    : -18.6 dBm
ODU Output Power    : 34.9 dBm
EIRP                : 47.9 dBW
Es/No               : 13.5 dB
Header Compression  : Disabled
Timing correction   : -125 us (260917 us)
Frequency correction: -50 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             : 12.055902 GHz
Symbol Rate           : 9.320056 Msps
S2 ModCod
      - receiving   : 1   QPSK-1/4
      - 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                   : 14.4 dB
Input Power           : -22 dBm



IP DVB 10.50.1.202/32


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


C:\Documents and Settings\Administrator.DVB-RCS>ping 10.50.1.202

Pinging 10.50.1.202 with 32 bytes of data:

Reply from 10.50.1.202: bytes=32 time=1751ms TTL=62
Reply from 10.50.1.202: bytes=32 time=545ms TTL=62
Reply from 10.50.1.202: bytes=32 time=652ms TTL=62
Reply from 10.50.1.202: bytes=32 time=548ms TTL=62

Ping statistics for 10.50.1.202:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 545ms, Maximum = 1751ms, Average = 874ms

Ping desde dentro da VSAT 8.8.8.8

# 64 bytes from 8.8.8.8: time=540 ms
64 bytes from 8.8.8.8: time=700 ms
64 bytes from 8.8.8.8: time=720 ms
64 bytes from 8.8.8.8: time=720 ms
64 bytes from 8.8.8.8: time=710 ms

---   ping statistics ---
5 packets transmitted, 5 received,  0.00 percent packet loss
rtt min/avg/max = 540/670/720 ms
```