| | **TERMO DE ACEITE TÉCNICO** |
|---|---|
| EMC EMERGING MARKETS COMMUNICATIONS | |

**Solicitante:** VIVO- Projeto Escolas Rurais
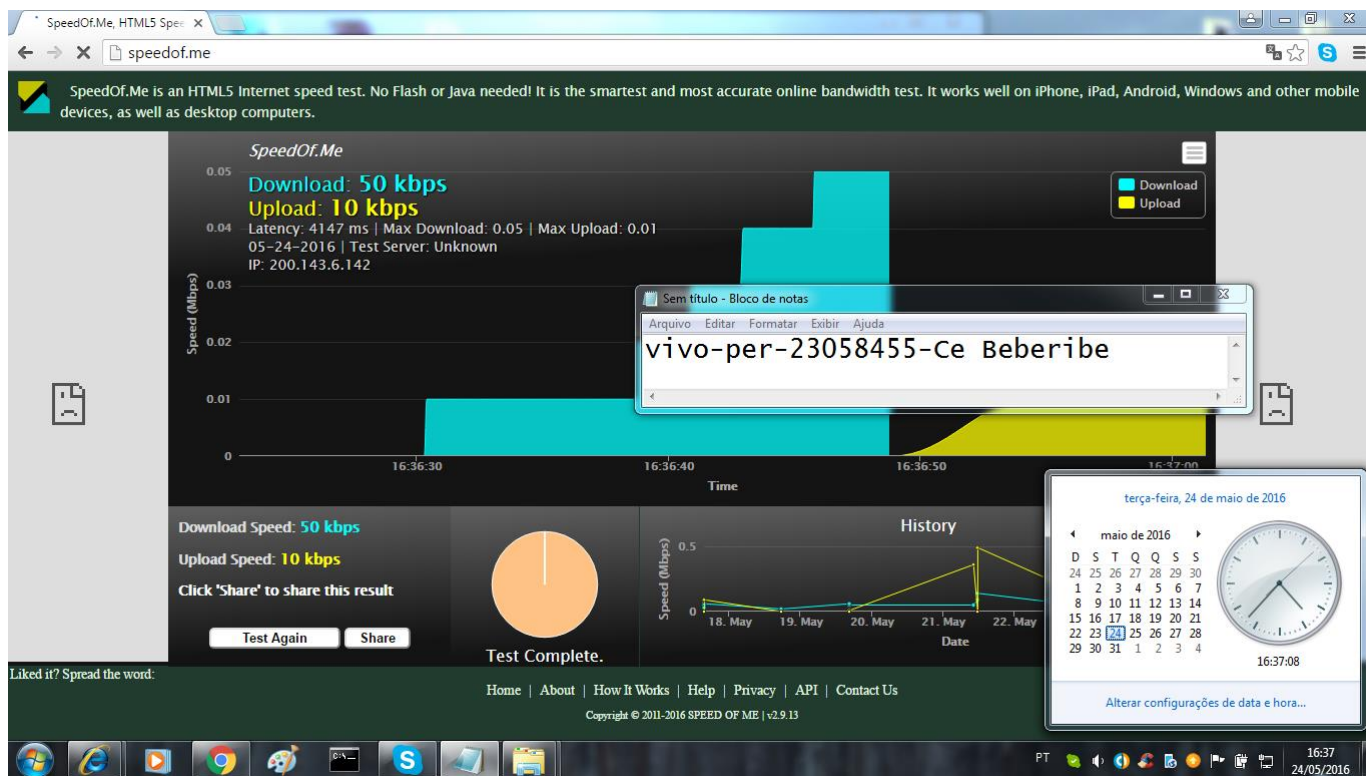
| **NOC/Operador:** Renan Borges Sousa | **Cliente: VIVO** |
|---|---|

| **Empresa**<br>EMC Brasil | **VSAT-ID**<br>VIVO-PER-23058455-CE | **Link kbps**<br>256k/128k | **Plataforma**<br>VSAT |
|---|---|---|---|



```
# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -22 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power     : 35.6 dBm
EIRP                 : 46.5 dBW
Default CW Frequency: 14.125750 GHz
ATM mode             : VC-Mux
Header Compression   :  None


Satellite (DVB) Transmitter Status
--------------------------------
State                : On  (DVB-RCS)
IDU Output Power     : -23.6 dBm
ODU Output Power     : 35.7 dBm
EIRP                 : 46.6 dBW
Es/No                : 9.0 dB
Header Compression   : Disabled
Timing correction    : -161 us (261129 us)
Frequency correction: 40 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           : 12.055865 GHz
Symbol Rate         : 9.319986 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                 : 12.8 dB
Input Power         : -26 dBm


IP DVB 10.50.1.171/32
```

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

```
C:\Documents and Settings\Administrator.DVB-RCS>ping 10.50.1.171

Pinging 10.50.1.171 with 32 bytes of data:

Reply from 10.50.1.171: bytes=32 time=1811ms TTL=62
Reply from 10.50.1.171: bytes=32 time=553ms TTL=62
Reply from 10.50.1.171: bytes=32 time=660ms TTL=62
Reply from 10.50.1.171: bytes=32 time=582ms TTL=62

Ping statistics for 10.50.1.171:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 553ms, Maximum = 1811ms, Average = 901ms
```

**Ping desde dentro da VSAT 8.8.8.8**

```
# 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
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 = 700/710/720 ms
```