| ![EMC logo] EMERGING MARKETS COMMUNICATIONS | **TERMO DE ACEITE TÉCNICO** |
|---|---|

**Solicitante:** VIVO- Projeto Escolas Rurais

| **NOC/Operador:** Wallace Teixeira | **Cliente: VIVO** |
|---|---|

| | |
|---|---|

| **Empresa** | **VSAT-ID** | **Link kbps** | **Plataforma** |
|---|---|---|---|
| EMC Brasil | VIVO-PER-22041451-PI | 256k/128k | VSAT |
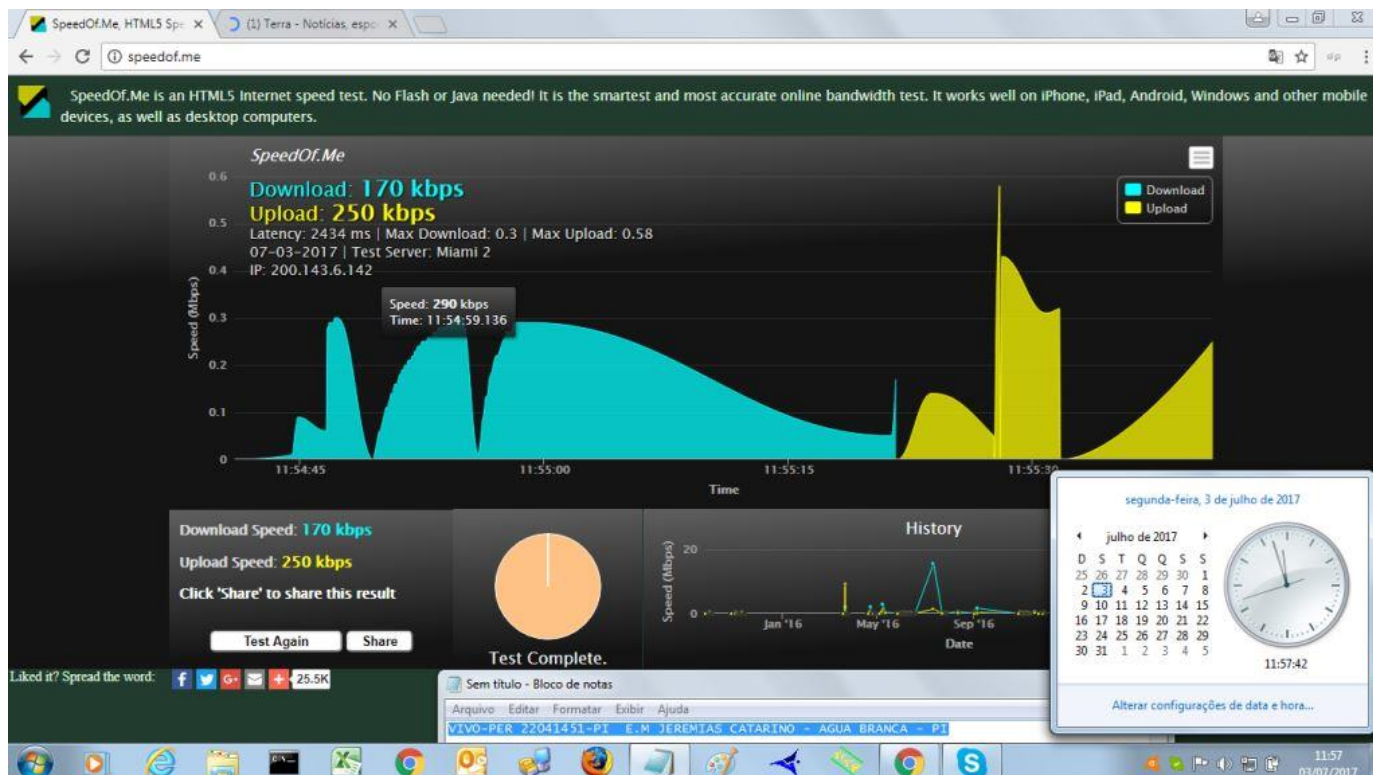


```
# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU Output Power    : -20 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  (DVB-RCS2)
IDU Output Power    : -14.8 dBm
ODU Output Power    : 33.5 dBm
EIRP                : 46.8 dBW
Es/No               : 11.5 dB
Header Compression  : Disabled
```

```
Timing correction   : -60 us (248598 us)
Frequency correction: 80 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
* 6  6     25.333333       12.050000 DVB-S2 102         0   0.0 E
Yes
  7  7     30.000000       12.050000 DVB-S2 102         0   0.0 E
Yes


Satellite (DVB) Receiver Status
--------------------------------
Rx State             : On
DVB State            : Forward link up
Network              : 1326,  T14R Beam
Frequency            : 12.049489 GHz
Symbol Rate          : 25.332763 Msps
S2 ModCod
       - receiving   : 12    8PSK-3/5
       - current max : 20    16APSK-4/5
Pilot                : On
Frame length         : Short
DVB S2 Mode          : ACM
DVB S2 Stream type   : MPEG-TS
Roll off             : 0.20
SNR                  : 13.7 dB
Input Power          : -23 dBm
#
```