EMC — EMERGING MARKETS COMMUNICATIONS	**TERMO DE ACEITE TÉCNICO**

Solicitante: VIVO- Projeto Escolas Rurais

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

Empresa	**VSAT-ID**	**Link kbps**	**Plataforma**
EMC Brasil	VIVO-PER-26021226-PE	256k/128k	VSAT
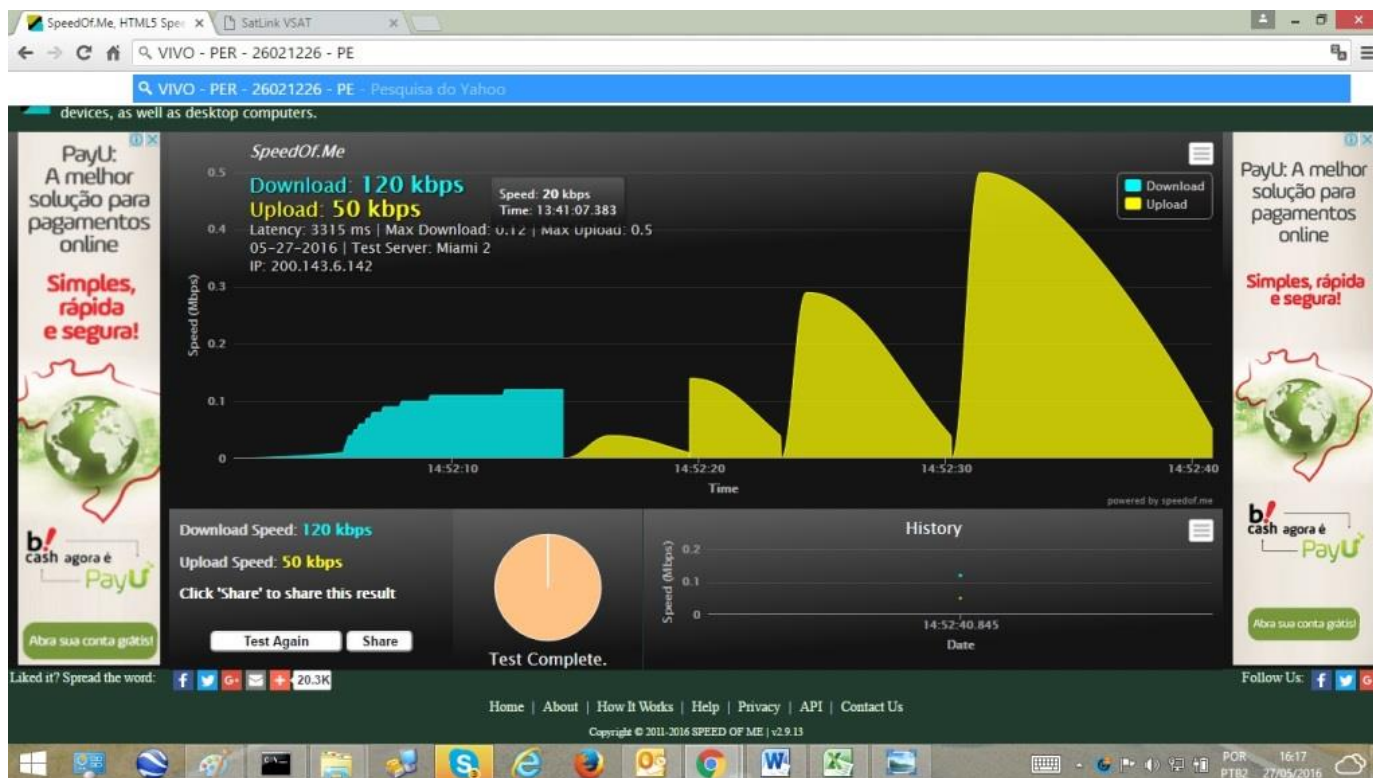

```
# dvb tx show

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    : -15.9 dBm
ODU Output Power    : 34.9 dBm
EIRP                : 47.9 dBW
Es/No               : 15.0 dB
Header Compression  : Disabled
Timing correction   : -136 us (261411 us)
Frequency correction: -10 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           : 12.056075 GHz
Symbol Rate         : 9.320082 Msps
S2 ModCod
      - receiving   : 15   8PSK-5/6
      - 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                 : 14.5 dB
Input Power         : -22 dBm
#



IP DVB 10.50.1.199/32


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


C:\Documents and Settings\Administrator.DVB-RCS>ping 10.50.1.199

Pinging 10.50.1.199 with 32 bytes of data:

Reply from 10.50.1.199: bytes=32 time=1598ms TTL=62
Reply from 10.50.1.199: bytes=32 time=617ms TTL=62
Reply from 10.50.1.199: bytes=32 time=536ms TTL=62
Reply from 10.50.1.199: bytes=32 time=619ms TTL=62

Ping statistics for 10.50.1.199:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 536ms, Maximum = 1598ms, Average = 842ms
Ping desde dentro da VSAT 8.8.8.8


# 64 bytes from 8.8.8.8: time=510 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 = 510/670/720 ms
```