TERMO DE ACEITE TÉCNICO

EMC — EMERGING MARKETS COMMUNICATIONS

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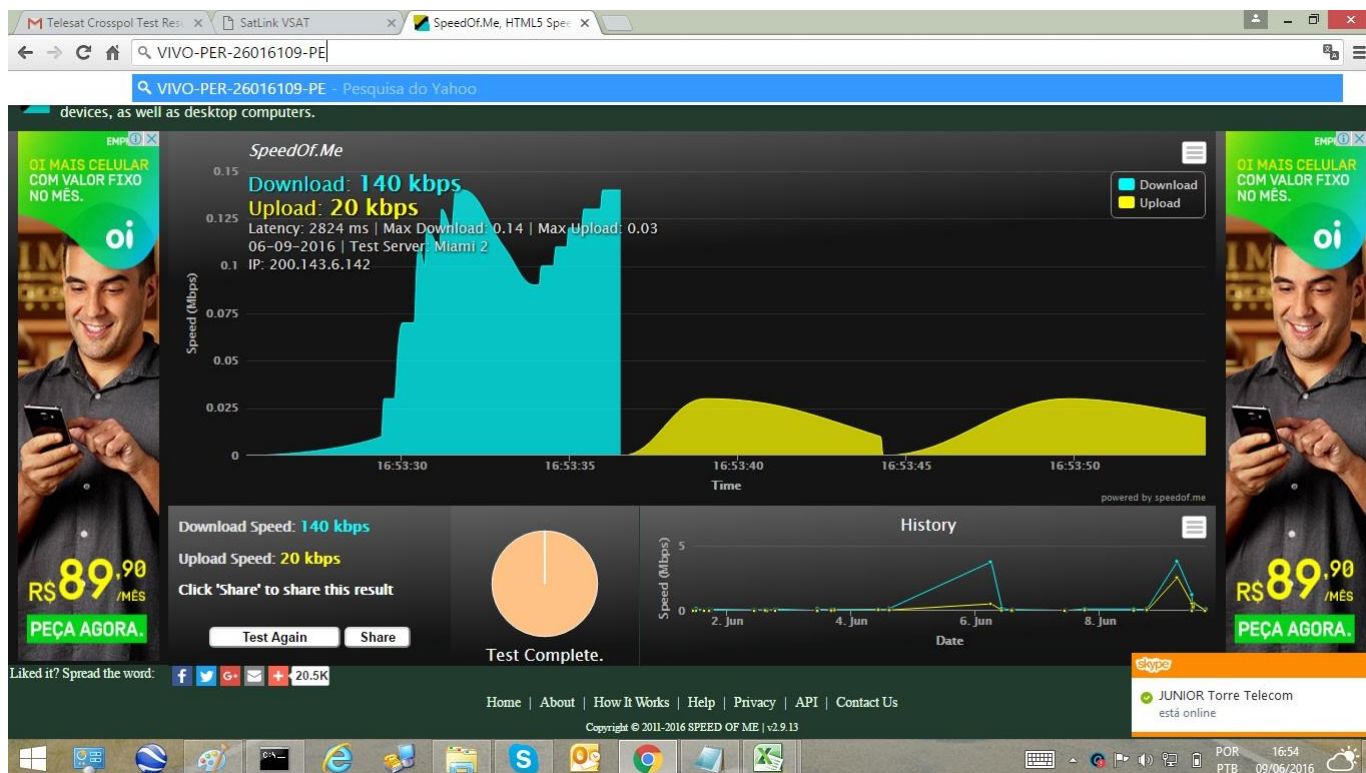
NOC/Operador: Renan Borges Sousa	**Cliente: VIVO**

Empresa	VSAT-ID	Link kbps	Plataforma
EMC Brasil	VIVO-PER-26016109-PE	256k/128k	VSAT


```
# dvb tx show
#
Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU Output Power    : -25 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 0.000000 GHz
ATM mode            : VC-Mux
Header Compression  :  None


Satellite (DVB) Transmitter Status
--------------------------------
State               : On  (DVB-RCS)
IDU Output Power    : -24.8 dBm
Es/No               : 12.0 dB
Header Compression  : Disabled
Timing correction   : -129 us (261599 us)
Frequency correction: 60 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              : 12.055945 GHz
Symbol Rate            : 9.320429 Msps
S2 ModCod
       - receiving     : 14   8PSK-3/4
       - 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                    : 14.6 dB
Input Power            : -34 dBm



IP DVB 172.18.129.13/32
```

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


```
C:\Documents and Settings\Administrator.DVB-RCS>ping 172.18.129.13

Pinging 172.18.129.13 with 32 bytes of data:

Reply from 172.18.129.13: bytes=32 time=1820ms TTL=62
Reply from 172.18.129.13: bytes=32 time=553ms TTL=62
Reply from 172.18.129.13: bytes=32 time=652ms TTL=62
Reply from 172.18.129.13: bytes=32 time=563ms TTL=62

Ping statistics for 172.18.129.13:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 553ms, Maximum = 1820ms, Average = 897ms
```

Ping desde dentro da VSAT 8.8.8.8


```
# 64 bytes from 8.8.8.8: time=590 ms
64 bytes from 8.8.8.8: time=580 ms
64 bytes from 8.8.8.8: time=860 ms
64 bytes from 8.8.8.8: time=1290 ms
64 bytes from 8.8.8.8: time=590 ms

---  ping statistics ---
5 packets transmitted, 5 received,  0.00 percent packet loss
rtt min/avg/max = 580/780/1290 ms
```