

**Solicitante:** VIVO- Projeto Escolas Rurais

**NOC/Operador:** Allan Santos

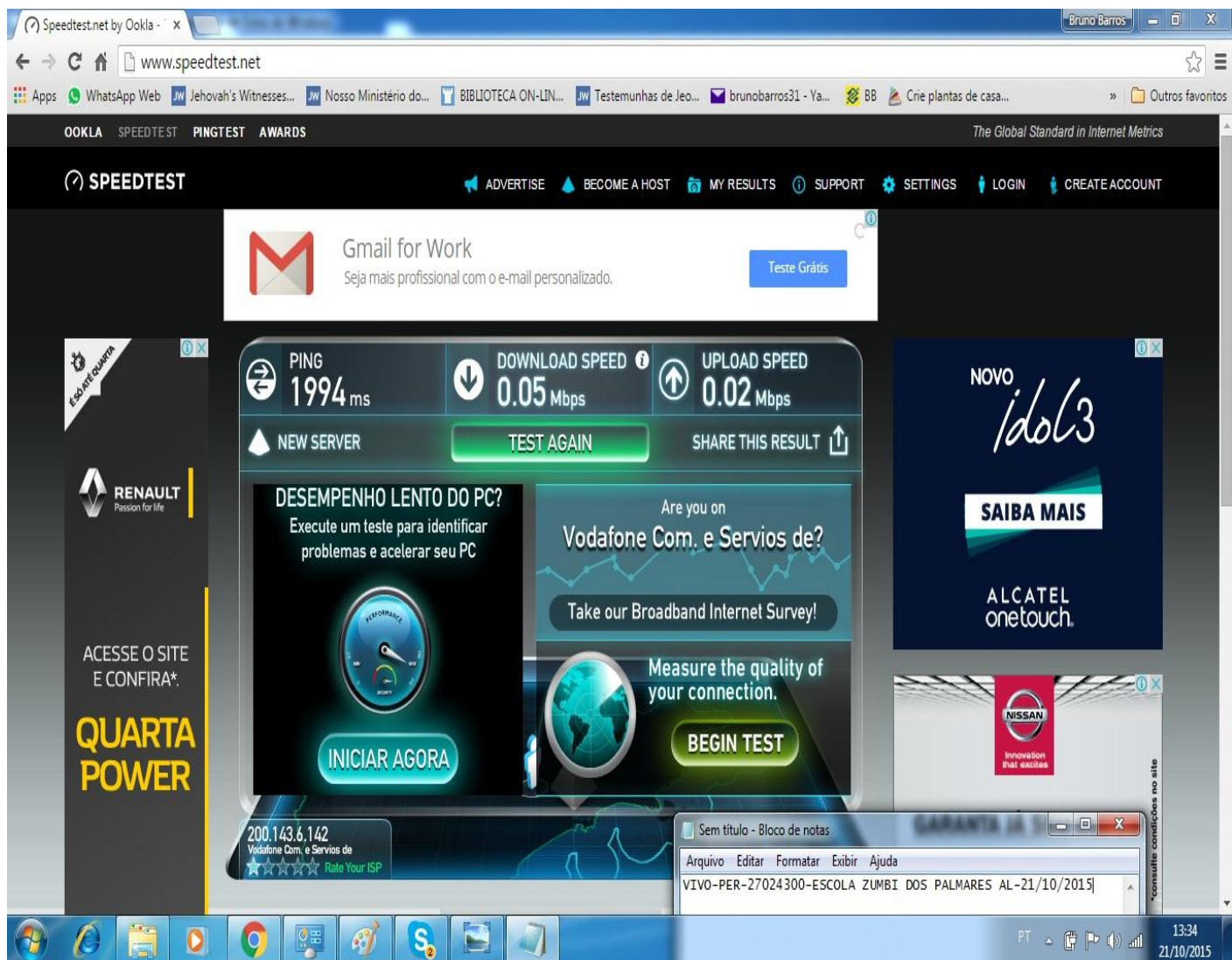
**Cliente:** VIVO

**Empresa**  
EMC Brasil

**VSAT-ID**  
VIVO-PER-27024300-AL

**Link kbps**  
256k/128k

**Plataforma**  
VSAT



The screenshot shows a web browser window with the Speedtest.net website. The test results are displayed prominently: PING 1994ms, DOWNLOAD SPEED 0.05 Mbps, and UPLOAD SPEED 0.02 Mbps. Below the results are buttons for 'NEW SERVER', 'TEST AGAIN', and 'SHARE THIS RESULT'. The page is cluttered with various advertisements, including Gmail for Work, Renault, and Nissan. A Windows taskbar is visible at the bottom, showing the time as 13:34 on 21/10/2015. A small text box in the bottom right corner of the browser window contains the text: 'Sem título - Bloco de notas' and 'VIVO-PER-27024300-ESCOLA ZUMBI DOS PALMARES AL-21/10/2015'.

# dvb tx show

Satellite (DVB) TX Configuration

```
-----
Auto start           : Enabled
IDU Output Power     : -23 dBm
IDU Max Output Power : 0.0 dBm
ODU Output Power     : 34.7 dBm
EIRP                 : 48.0 dBW
Default CW Frequency : 14.125750 GHz
ATM mode             : VC-Mux
Header Compression   : None
```

Satellite (DVB) Transmitter Status

-----

```
State : On (TDMA)
IDU Output Power : -18.3 dBm
ODU Output Power : 34.0 dBm
EIRP : 47.3 dBW
Eb/No : 14.0 dB
Header Compression : Disabled
Timing correction : -182 us (262361 us)
Frequency correction: -370 Hz
# dvb rx show
```

#### Satellite (DVB) RX Configuration

```
-----
Auto start : Enabled
Max MODCOD : 23 16APSK-9/10 (SNR threshold: 23.5 dB)
RX watchdog : 15 minute
```

Idx	Pri	SymbRate[Mbps]	Freq[GHz]	Mode	PopId	Enable
* 0	0	9.320000	12.055825	DVB-S2 4		Yes

#### Satellite (DVB) Receiver Status

```
-----
Rx State : On
DVB State : Forward link up
Network : 1326, GlobalIP@Telstar-14R
Frequency : 12.055835 GHz
Symbol Rate : 9.319932 Msps
S2 ModCod
- receiving : 15 8PSK-5/6
- current max : 23 16APSK-9/10
Pilot : On
Frame length : Short
DVB S2 Mode : ACM
Roll off : 0.25
SNR : 14.4 dB
Input Power : -30 dBm
#
```

IP DVB 10.50.0.93/32

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

Ping desde dentro da VSAT 8.8.8.8

```
# ping 8.8.8.8
64 bytes from 8.8.8.8: time=870 ms
64 bytes from 8.8.8.8: time=920 ms
64 bytes from 8.8.8.8: time=830 ms
64 bytes from 8.8.8.8: time=760 ms
64 bytes from 8.8.8.8: time=790 ms

--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 received, 0.00 percent packet loss
rtt min/avg/max = 760/830/920 ms
#
```