

**Solicitante:** VIVO- Projeto Escolas Rurais

**NOC/Operador:** Guilherme Cunha

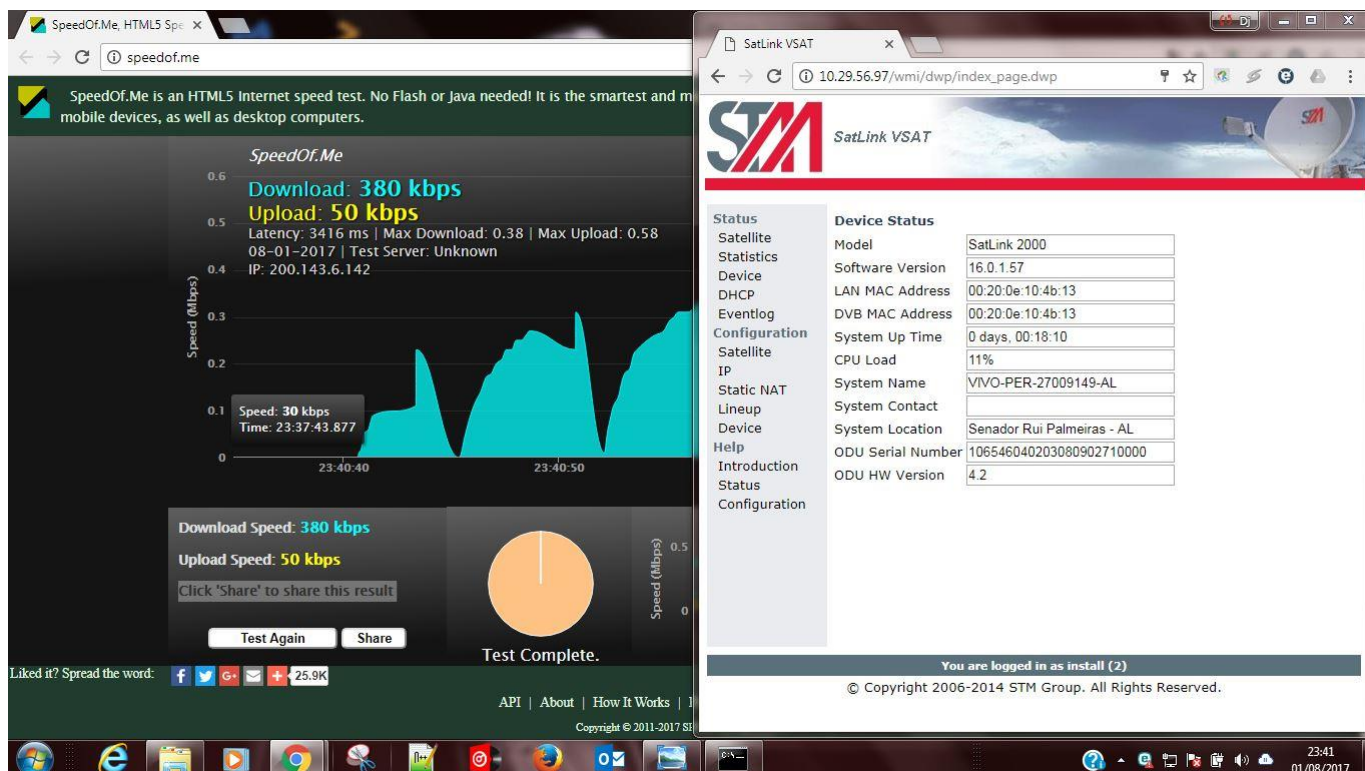
**Cliente:** VIVO

**Empresa**  
EMC Brasil

**VSAT-ID**  
VIVO-PER-27009149-AL

**Link kbps**  
256k/128k

**Plataforma**  
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     : max
EIRP                 : max
Default CW Frequency : 0.000000 GHz
ATM mode              : VC-Mux
Header Compression   : None
```

```
Satellite (DVB) Transmitter Status
```

```
-----
State                : On (DVB-RCS2)
IDU Output Power     : -15.4 dBm
ODU Output Power     : 34.7 dBm
EIRP                 : 48.0 dBW
Es/No                : 11.0 dB
Header Compression   : Disabled
Timing correction     : -45 us (250723 us)
Frequency correction : -150 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[Mbps]	Freq[GHz]	Mode	PopId	SatId	Pos	SatName	Name
Enable									
* 0	0	25.333333	12.050000	DVB-S2	102	0	0.0 E		
Yes									
1	1	15.000000	12.059000	DVB-S2	4	0	0.0 E		
Yes									

#### Satellite (DVB) Receiver Status

Rx State : On  
DVB State : Forward link up  
Network : 1326, T14R Beam  
Frequency : 12.050046 GHz  
Symbol Rate : 25.333202 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 : 14.0 dB  
Input Power : -25 dBm

The screenshot displays a Windows desktop environment. On the left, a web browser window shows the 'SatLink VSAT' web interface. The interface includes a sidebar with navigation links (Status, Statistics, Device, DHCP, Eventlog, Configuration, Satellite, IP, Static NAT, Lineup, Device, Help, Introduction, Status, Configuration) and a main content area titled 'Device Status'. This area contains a table with fields such as Model (SatLink 2000), Software Version (16.0.1.57), LAN MAC Address (00:20:0e:10:4b:13), DVB MAC Address (00:20:0e:10:4b:13), System Up Time (0 days, 00:18:10), CPU Load (11%), System Name (VIVO-PER-27009149-AL), System Contact, System Location (Senador Rui Palmeiras - AL), ODU Serial Number (106546040203080902710000), and ODU HW Version (4.2). Below the table, it states 'You are logged in as install (2)' and '© Copyright 2006-2014 STM Group. All Rights Reserved.'.

On the right, a Windows command prompt window is open, displaying the output of a series of ping commands to the IP address 8.8.8.8. The output shows consistent response times around 76ms and TTL values of 44. Below the ping results, the command 'arp -a' is executed, showing the ARP table for the interface 10.29.56.98. The table lists several IP addresses and their corresponding MAC addresses and interface types (dynamic or static).

Interface: 10.29.56.98 --- 0xb		
Endereço IP	Endereço físico	Tipo
10.29.56.97	00-20-0e-10-4b-13	dinâmico
10.29.56.103	ff-ff-ff-ff-ff-ff	estático
224.0.0.2	01-00-5e-00-00-02	estático
224.0.0.251	01-00-5e-00-00-fb	estático
224.0.0.252	01-00-5e-00-00-fc	estático
224.0.1.60	01-00-5e-00-01-3c	estático
239.255.255.250	01-00-5e-7f-ff-fa	estático
255.255.255.255	ff-ff-ff-ff-ff-ff	estático