EMC — EMERGING MARKETS COMMUNICATIONS	# TERMO DE ACEITE TÉCNICO

Solicitante: VIVO- Projeto Escolas Rurais
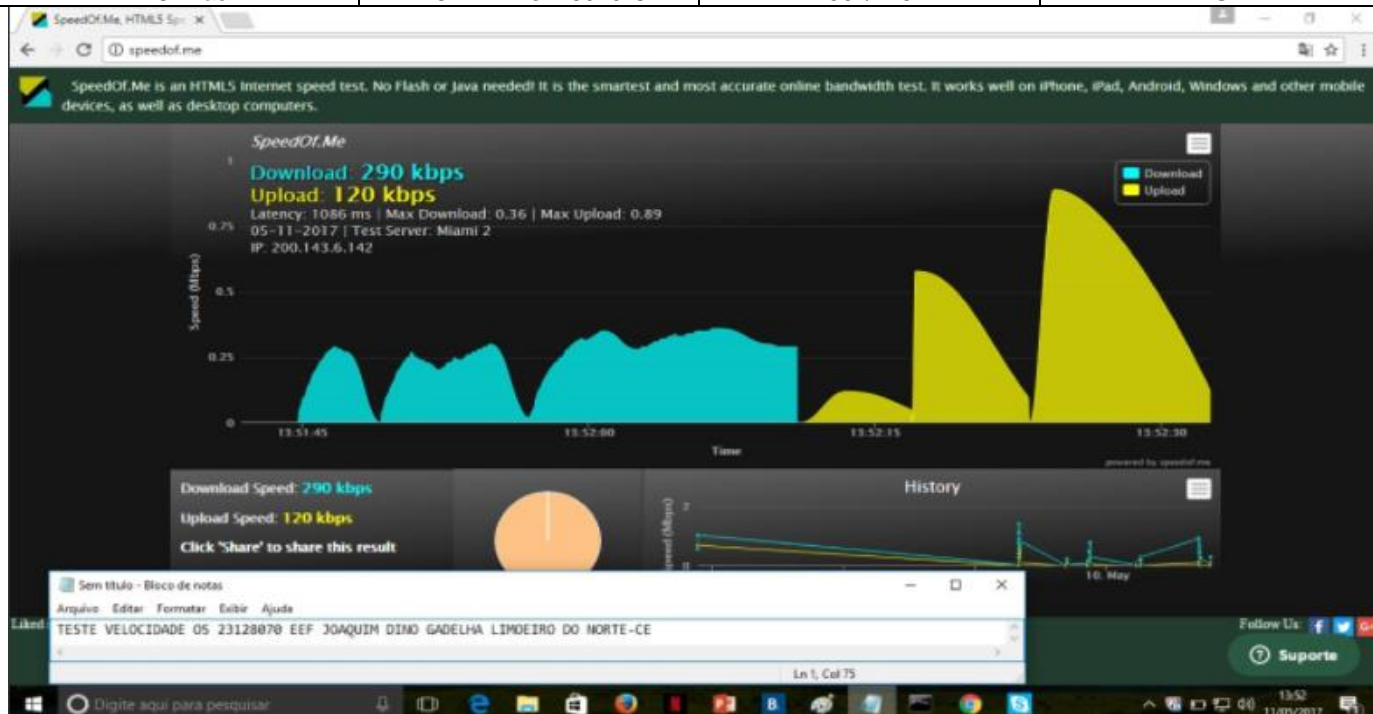
NOC/Operador: Leonardo Martins	**Cliente: VIVO**

Empresa	**VSAT-ID**	**Link kbps**	**Plataforma**
EMC Brasil	VIVO-PER-23128070-CE	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
Default CW Frequency: 0.000000 GHz
ATM mode            : VC-Mux
Header Compression  :  None


Satellite (DVB) Transmitter Status
-------------------------------
State               : On  (DVB-RCS2)
IDU Output Power    : -20.2 dBm
Es/No               : 14.0 dB
Header Compression  : Disabled

Timing correction   : -123 us (254539 us)
Frequency correction: 20 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     15.000000      12.059000 DVB-S2 102         0   0.0 E
Yes
  1   1      9.320000      12.055825 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           : 12.059120 GHz
Symbol Rate         : 15.000097 Msps
S2 ModCod
       - receiving  : 18   16APSK-2/3
       - current max : 22   16APSK-8/9
Pilot               : On
Frame length        : Short
DVB S2 Mode         : ACM
DVB S2 Stream type  : MPEG-TS
Roll off            : 0.20
SNR                 : 14.8 dB
Input Power         : -30 dBm

# odu show
Antenna
---------------------
Type                          BrasilSat SOB107-12  - 1.2m
Antenna controller            None
Tx Gain at 14.25 GHz          43.0dB


Transmitter (BUC)
-------------------------------
Type                          None
Local oscillator              13.050000 GHz
DC supply                     24V On
10MHz Ref                     On


Receiver (LNB)
-----------------------------
Type                          SatLink 403x (10.70-12.75 GHz)
Local oscillator - LO1        9.750000 GHz
Local oscillator - LO2        10.600000 GHz
Oscillator switching frequency 1-2  11.700000 GHz
LO Switching mode             22kHz
13/18V DC supply              13V
```
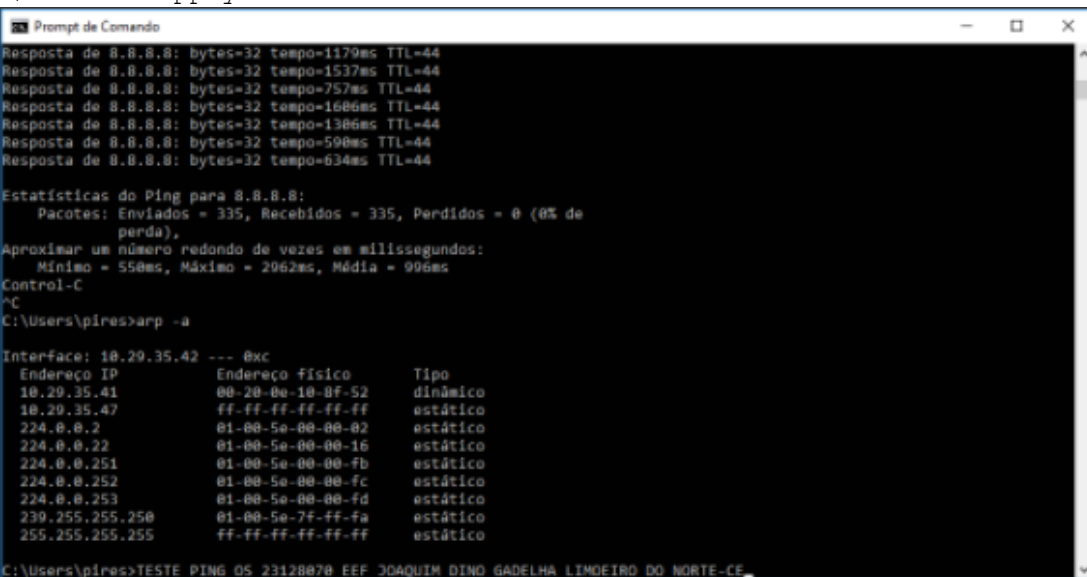


```
Prompt de Comando                                          —   □   ×
Resposta de 8.8.8.8: bytes=32 tempo=1179ms TTL=44
Resposta de 8.8.8.8: bytes=32 tempo=1537ms TTL=44
Resposta de 8.8.8.8: bytes=32 tempo=757ms TTL=44
Resposta de 8.8.8.8: bytes=32 tempo=1686ms TTL=44
Resposta de 8.8.8.8: bytes=32 tempo=1306ms TTL=44
Resposta de 8.8.8.8: bytes=32 tempo=590ms TTL=44
Resposta de 8.8.8.8: bytes=32 tempo=634ms TTL=44

Estatísticas do Ping para 8.8.8.8:
    Pacotes: Enviados = 335, Recebidos = 335, Perdidos = 0 (0% de
          perda),
Aproximar um número redondo de vezes em milissegundos:
    Mínimo = 550ms, Máximo = 2962ms, Média = 996ms
Control-C
^C
C:\Users\pires>arp -a

Interface: 10.29.35.42 --- 0xc
  Endereço IP        Endereço físico       Tipo
  10.29.35.41        00-20-0a-10-8f-52     dinâmico
  10.29.35.47        ff-ff-ff-ff-ff-ff     estático
  224.0.0.2          01-00-5e-00-00-02     estático
  224.0.0.22         01-00-5e-00-00-16     estático
  224.0.0.251        01-00-5e-00-00-fb     estático
  224.0.0.252        01-00-5e-00-00-fc     estático
  224.0.0.253        01-00-5e-00-00-fd     estático
  239.255.255.250    01-00-5e-7f-ff-fa     estático
  255.255.255.255    ff-ff-ff-ff-ff-ff     estático

C:\Users\pires>TESTE PING OS 23128070 EEF JOAQUIM DINO GADELHA LIMOEIRO DO NORTE-CE
```