

**Solicitante:** VIVO- Projeto Escolas Rurais

**NOC/Operador:** Leonardo Martins

**Cliente:** VIVO

**Empresa**  
EMC Brasil

**VSAT-ID**  
VIVO-PER-31148121-MG

**Link kbps**  
256k/128k

**Plataforma**  
VSAT



# device show

System Information:

Name : VIVO-PER-31148121-MG  
Location : Teófilo Otoni - MG  
Contact :  
System Up time : 0 days, 00:56:37  
CPU Load : 16%  
System time(UTC) : 03 April 2017 15:14:49  
Broadcast Message : not set

HW:

Model : SatLink 2000  
HW ID : 120033  
Main board ID : 120026 R6.2

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:8e:5f  
Satellite (DVB) : 00:20:0e:10:8e:5f

# 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 : -169 us (255395 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[Msp/s]	Freq[GHz]	Mode	PopId	SatId	Pos	SatName	Name
Enable									
0	0	9.320000	12.055825	DVB-S2	102	0	0.0 E		
Yes									
* 9	9	15.000000	12.059000	DVB-S2	102	0	0.0 E		
Yes									

Satellite (DVB) Receiver Status

-----  
Rx State : On  
DVB State : Forward link up  
Network : 1326, T14R Beam  
Frequency : 12.059116 GHz  
Symbol Rate : 15.000166 Msp/s  
S2 ModCod  
- receiving : 12 8PSK-3/5  
- current max : 21 16APSK-5/6  
Pilot : On  
Frame length : Short  
DVB S2 Mode : ACM  
DVB S2 Stream type : MPEG-TS  
Roll off : 0.20  
SNR : 13.8 dB  
Input Power : -35 dBm  
# odu show

Antenna

-----  
Type : ASC/Andrew/Channel Master Type 123 - 1.2m  
Antenna controller : None  
Tx Gain at 14.25 GHz : 43.3dB

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

# dvb cr show

Capacity parameters per channel:

-----  
Channel CRA[kbps] Allocated[kbps]  
0 0 0

Requested capacity per QoS class:

-----  
Channel CRClass MaxRBDC[kbps] MaxVBDC[kB] RateReq[kbps] VolReq[octs] Description  
0 0 256 26 2 0 Best Effort  
0 1 0 0 0 0 VoIP  
0 2 0 0 0 0 ViC  
0 3 32 3 0 0 Critical Data

RBDC timeout 14 VBDC timeout 20

VBDC computation interval 200 ms (configured 0)