TERMO DE ACEITE TÉCNICO

Solicitante: Projeto Escolas Rurais

NOC/Operador: Leonardo Martins

Cliente: VIVO-PER

Empresa EMC Brasil	VSAT-ID VIVO-PER-31097560-MG	Link kbps 256k/128k	Plataforma VSAT

```
# device show
System Information:
    Name                : VIVO-PER-31097560-MG
    Location            : Divino/MG
    Contact             :
    System Up time      : 1 day, 04:19:51
    CPU Load            : 10%
    System time(UTC)    : 22 March 2017 18:15:31
    Broadcast Message   : not set

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

MAC addresses:
    Ethernet (LAN)      : 00:20:0e:10:87:4f
    Satellite (DVB)     : 00:20:0e:10:87:4f

# 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    : -12.4 dBm
ODU Output Power    : 35.0 dBm
EIRP                : 48.3 dBW
Es/No               : 10.0 dB
Header Compression  : Disabled
Timing correction   : -118 us (262568 us)
Frequency correction: -30 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,  T14R Beam
Frequency           : 12.055796 GHz
Symbol Rate         : 9.320199 Msps
S2 ModCod
       - receiving  : 15   8PSK-5/6
       - 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                 : 13.6 dB
Input Power         : -26 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                            SatLink 4033 (14.0-14.5 GHz)
ODU Serial No.                  10480404020 3090603440000
ODU HW Version                  4.2
ODU SW Version                  1.3
Local oscillator                13.050000 GHz
DC supply                       24V On
Temperature                     37 Deg C


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         200          20            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)
#
```