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-27026469-AL	256k/128k	VSAT

```
# device show
System Information:
    Name                : VIVO-PER-27026469-AL
    Location            : Branquinha - AL
    Contact             :
    System Up time      : 0 days, 00:10:09
    CPU Load            : 16%
    System time(UTC)    : 05 August 2017 20:14:04
    Broadcast Message   : not set

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

MAC addresses:
    Ethernet (LAN)      : 00:20:0e:10:52:01
    Satellite (DVB)     : 00:20:0e:10:52:01
# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU Output Power     : -15 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power     : 33.2 dBm
EIRP                : 46.5 dBW
Default CW Frequency: 0.000000 GHz
ATM mode            : VC-Mux
Header Compression  :  None


Satellite (DVB) Transmitter Status
--------------------------------
State               : On  (DVB-RCS2)
IDU Output Power    : -21.2 dBm
ODU Output Power    : 33.3 dBm
EIRP                : 46.6 dBW
Es/No               : 10.0 dB
Header Compression  : Disabled
Timing correction   : -32 us (251207 us)
Frequency correction: 40 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    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             : 12.050421 GHz
Symbol Rate           : 25.333154 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                   : 15.8 dB
Input Power           : -22 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.                    10480404020410020211000
ODU HW Version                    4.2
ODU SW Version                    1.3
Local oscillator                  13.050000 GHz
DC supply                         24V On
Temperature                       39 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           0            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)
#
```