TERMO DE ACEITE TÉCNICO

Solicitante: GEE

NOC/Operador: Rogério Frias	**Cliente: Nort Sat**

Empresa	**VSAT-ID**	**Link kbps**	**Plataforma**
EMC Brasil	NSAT-PAI_II	4096k/1024k	VSAT

device show
System Information:
Name : NSAT-PAI_II
Location : MANAUS - AM
Contact :
System Up time : 0 days, 02:20:02
CPU Load : 23%
System time(UTC) : 30 March 2017 15:11:11
Broadcast Message : not set

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

MAC addresses:
Ethernet (LAN) : 00:20:0e:10:8f:3b
Satellite (DVB) : 00:20:0e:10:8f:3b

```
# 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 4          0   0.0 E                            Yes
  9  9    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          : 12.056094 GHz
Symbol Rate        : 9.320018 Msps
S2 ModCod
     - receiving   : 15   8PSK-5/6
     - current max : 19   16APSK-3/4
Pilot              : On
Frame length       : Short
DVB S2 Mode        : ACM
DVB S2 Stream type  : MPEG-TS
Roll off           : 0.20
SNR                : 13.2 dB
Input Power        : -27 dBm




# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start         : Enabled
IDU Output Power    : -18 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 14.125750 GHz
ATM mode           : VC-Mux
Header Compression  :  None


Satellite (DVB) Transmitter Status
--------------------------------
State              : On  (DVB-RCS)
IDU Output Power    : -22.6 dBm
Es/No              : 10.5 dB
Header Compression  : Disabled
Timing correction   : -152 us (257198 us)
Frequency correction: -190 Hz


# 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)
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```
-------------------------------
Type                        None
Local oscillator              13.050000 GHz
DC supply                     24V On
10MHz Ref                      On

Receiver (LNB)
----------------------------
Type                        No LNB
Local oscillator - LO1          9.750000 GHz
Local oscillator - LO2          10.600000 GHz
Oscillator switching frequency 1-2  11.700000 GHz
13/18V DC supply                13V


# dvb cr show

Capacity parameters per channel:
-------------------------------
Channel  CRA[kbps] Allocated[kbps]
     0         0              7

Requested capacity per QoS class:
---------------------------------
Channel CRClass MaxRBDC[kbps] MaxVBDC[kB] RateReq[kbps] VolReq[octs] Description
     0       0         1024         102            4           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 5 VBDC timeout 20

VBDC computation interval 200 ms (configured 0)

# ip mfc show
MfC Classification table
Module: PEP (1)
SubIdx Idx Grp Classification Parms      HitCount
     1  10   1 Dst port =     1..65535   9329

# ping 8.8.8.8 -n 10 -if 1
64 bytes from 8.8.8.8: time=570 ms
64 bytes from 8.8.8.8: time=690 ms
64 bytes from 8.8.8.8: time=620 ms
64 bytes from 8.8.8.8: time=730 ms
64 bytes from 8.8.8.8: time=1600 ms
64 bytes from 8.8.8.8: time=1660 ms
64 bytes from 8.8.8.8: time=550 ms
64 bytes from 8.8.8.8: time=580 ms
64 bytes from 8.8.8.8: time=960 ms
64 bytes from 8.8.8.8: time=1900 ms

---  ping statistics ---
10 packets transmitted, 10 received,  0.00 percent packet loss
rtt min/avg/max = 550/980/1900 ms
```