



## TERMO DE ACEITE TÉCNICO

Solicitante: GEE

NOC/Operador: Wallace Teixeira

Cliente: Nsat

**Empresa**  
EMC Brasil

**VSAT-ID** NSAT-AP-III

**Link kbps** 1M/512k

**Plataforma** VSAT

device show

System Information:

Name : NSAT-AP-III

Location : CALÇOENE/AP

Contact :

System Up time : 0 days, 02:34:30

CPU Load : 26%

System time(UTC) : 28 July 2018 02:16:06

Broadcast Message : not set

HW:

Model : SatLink 2000

HW ID : 120033

Main board ID : 120026 R6.2

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:84:8a

Satellite (DVB) : 00:20:0e:10:84:8a

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	30.000000	11.592000	DVB-S2 4	0	0.0	E		Yes	
1	1	25.333000	11.592000	DVB-S2 4	0	0.0	E		Yes	
5	5	30.000000	11.592000	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 : 11.592055 GHz

Symbol Rate : 29.999946 Msp/s

## S2 ModCod

- receiving : 21 16APSK-5/6  
- current max : 15 8PSK-5/6

Pilot : On

Frame length : Short

DVB S2 Mode : ACM

DVB S2 Stream type : MPEG-TS

Roll off : 0.20

SNR : 11.1 dB

Input Power : -41 dBm

# dvb tx show

## Satellite (DVB) TX Configuration

Auto start : Enabled

IDU Output Power : -16 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 : -15.8 dBm

Es/No : 11.0 dB

Header Compression : Disabled

Timing correction : 80 us (245249 us)

Frequency correction: -80 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)

Type JRC NJT5097 (13.75-14.25 GHz)

Local oscillator 12.800000 GHz

DC supply 24V 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            28

Requested capacity per QoS class:

-----  
Channel CRClass MaxRBDC[kbps] MaxVBDC[kB] RateReq[kbps] VolReq[octs] Description  
0    0        512        51        30        376 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 qos show

QOS Policy Table

Grp	Cls	CrM	Pri	QLength	Drop	Timeout	Description
0	0	0	0	400000	0	120	Best Effort
1	1	1	1	15000	1	120	VoIP Audio
2	1	1	2	4000	1	120	VoIP Signaling
3	2	1	5	500000	1	120	VIC Video
4	2	1	4	50000	1	120	VIC Audio
5	2	1	3	10000	1	120	VIC Signaling
6	3	0	6	400000	0	120	Critical Data

QoS MfC Classification table

SubIdx	Idx	Grp	Classification	Parms	HitCount
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# ip mfc show

MfC Classification table

Module: PEP (1)

SubIdx	Idx	Grp	Classification	Parms	HitCount
1	10	1	Dst port =	1..65535	5367