



# TERMO DE ACEITE TÉCNICO

**Solicitante:** Imais

**NOC/Operador:** Wallace Teixeira

**Cliente:** Imais

**Empresa**  
EMC Brasil

**VSAT-ID** IMAIS-  
BAOS\_P

**Link kbps** 2048K/512K

**Plataforma** VSAT

```
device show
System Information:
  Name           : IMAIS-BAOS_P
  Location        : Barcelos-AM
  Contact         :
  System Up time  : 0 days, 23:57:14
  CPU Load        : 15%
  System time(UTC) : 02 June 2018 07:08:34
  Broadcast Message : not set
```

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

```
MAC addresses:
  Ethernet (LAN)   : 00:20:0e:10:63:be
  Satellite (DVB)  : 00:20:0e:10:63:be
```

```
# dvb rx show
```

## Satellite (DVB) RX Configuration

```
-----
Auto start           : Enabled
Max Traffic MODCOD    : 23 16APSK-9/10
RX watchdog          : 15 minute
```

Idx	Pri	SymbRate[Mbps]	Freq[GHz]	Mode	PopId	SatId	Pos
SatName Name Enable							
0	0	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             : 11.593021 GHz
```

Symbol Rate : 29.999583 Msps  
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 : 13.0 dB  
Input Power : -29 dBm  
# dvb tx show

#### Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
IDU Output Power : -19 dBm  
IDU Max Output Power: 0.0 dBm  
ODU Output Power : 35.3 dBm  
EIRP : 52.0 dBW  
Default CW Frequency: 14.131100 GHz  
ATM mode : VC-Mux  
Header Compression : None

#### Satellite (DVB) Transmitter Status

-----  
State : On (DVB-RCS)  
IDU Output Power : -15.0 dBm  
ODU Output Power : 35.0 dBm  
EIRP : 51.7 dBW  
Es/No : 11.0 dB  
Header Compression : Disabled  
Timing correction : -62 us (244369 us)  
Frequency correction: -250 Hz  
# odu show

#### Antenna

-----  
Type BrasilSat SOB107-18 - 1.8m  
Antenna controller None  
Tx Gain at 14.25 GHz 46.7dB

#### Transmitter (BUC)

-----  
Type SatLink 4035 (14.0-14.5 GHz)  
ODU Serial No. 106546040203080903420000  
ODU HW Version 4.2  
ODU SW Version 1.3  
Local oscillator 13.050000 GHz  
DC supply 24V On

Temperature 45 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

# ip mfc show

## MfC Classification table

Module: PEP (1)

SubIdx	Idx	Grp	Classification	Parms	HitCount
1	10	1	Dst port =	1..65535	16803

# 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 0 512 51 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 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	HitCoun
--------	-----	-----	----------------	-------	---------

