



# TERMO DE ACEITE TÉCNICO

**Solicitante:** Imais

**NOC/Operador:** Wallace Teixeira

**Cliente:** Imais

**Empresa**  
EMC Brasil

**VSAT-ID:** IMAIS-  
CARI\_IV

**Link kbps** 2M/512k

**Plataforma** VSAT

## System Information:

Name : IMAIS-CARI\_IV  
Location : CARAUARI-AM  
Contact :  
System Up time : 0 days, 10:23:06  
CPU Load : 13%  
System time(UTC) : 29 May 2018 05:39:09  
Broadcast Message : not set

## HW:

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

## MAC addresses:

Ethernet (LAN) : 00:20:0e:10:84:9a  
Satellite (DVB) : 00:20:0e:10:84:9a

## 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	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 : 11.592168 GHz  
Symbol Rate : 29.999750 Msps  
S2 ModCod  
- receiving : 18 16APSK-2/3  
- 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 : 13.9 dB  
Input Power : -26 dBm

#### 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: 14.122100 GHz  
ATM mode : VC-Mux  
Header Compression : None

#### Satellite (DVB) Transmitter Status

-----  
State : On (DVB-RCS)  
IDU Output Power : -17.4 dBm  
ODU Output Power : 35.1 dBm  
EIRP : 51.8 dBW  
Es/No : 13.0 dB  
Header Compression : Disabled  
Timing correction : 90 us (244524 us)  
Frequency correction: -140 Hz

#### 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. 106546040203080302240000  
ODU HW Version 4.2  
ODU SW Version 1.3  
Local oscillator 13.050000 GHz  
DC supply 24V On  
Temperature 42 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

```

## 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           0           0
Best Effort
      0          1           0           0           0           0
VoIP
      0          2           0           0           0           0
ViC
      0          3           32           3           2           0
Critical Data

```

RBDC timeout 5 VBDC timeout 20

VBDC computation interval 200 ms (configured 0)

## MfC Classification table

Module: QoS (0)

SubIdx	Idx	Grp	Classification	Parms	HitCount
3	4	6	Protocols =	1 60	
3	5	6	Dst port =	53..53	1428
3	7	6	Src port =	23..23	245

Module: PEP (1)

SubIdx	Idx	Grp	Classification	Parms	HitCount
1	10	1	Dst port =	1..65535	4462

## 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
3	4	6	Protocols =	1 60	
3	5	6	Dst port =	53..53	1428
3	7	6	Src port =	23..23	278

64 bytes from  
8.8.8.8: time=1590

ms

64 bytes from  
8.8.8.8: time=770

ms

64 bytes from  
8.8.8.8: time=650

ms

64 bytes from  
8.8.8.8: time=640

ms

64 bytes from  
8.8.8.8: time=610

ms

64 bytes from  
8.8.8.8: time=620

ms

64 bytes from  
8.8.8.8: time=620

ms

64 bytes from  
8.8.8.8: time=640

ms

64 bytes from  
8.8.8.8: time=630

ms

64 bytes from  
8.8.8.8: time=770

ms

--- ping

statistics ---

10 packets transmitted, 10 received, 0.00 percent packet loss rtt  
min/avg/max = 610/750/1590 ms