EMC EMERGING MARKETS COMMUNICATIONS	**TERMO DE ACEITE TÉCNICO**

Solicitante: Imais			
NOC/Operador: Wallace Teixeira		**Cliente: Imais**	
Empresa EMC Brasil	**VSAT-ID** IMAIS-MORA_1	**Link kbps** 2048K/512K	**Plataforma** VSAT

```
   device
show
System Information:
    Name              : IMAIS-MORA_1    Location
: Barcelos - AM
    Contact           :
    System Up time    : 0 days, 07:58:09
    CPU Load          : 20%
    System  time(UTC)       :  29  May  2018  06:18:31
Broadcast Message   : not set
 HW:
    Model             : SatLink 2000
    HW ID             : 120033
    Main board ID     : 120026 R6.2

MAC addresses:
    Ethernet (LAN)    : 00:20:0e:10:83:8e
    Satellite (DVB)   : 00:20:0e:10:83:8e

# 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    25.333000      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
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Rx State            : On
DVB State           : Forward link up
Network             : 1326,  T14R Beam
Frequency           : 11.592461 GHz
```

```
Symbol Rate          : 29.999619 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          : -23 dBm
# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -20 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power     : 35.3
EIRP                 : 52.0
Default CW Frequency: 14.169550 GHz
ATM mode             : VC-Mux
Header Compression   :  None


Satellite (DVB) Transmitter Status
--------------------------------
State                : On  (DVB-RCS)
IDU Output Power     : -17.9 dBm
ODU Output Power     : 35.1 dBm
EIRP                 : 51.8 dBW Es/No
: 11.0 dB
Header Compression   : Disabled
Timing correction    : -45 us (244369 us)
Frequency correction: -210 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 4033 (14.0-14.5 GHz)
ODU Serial No.                       104804040204090400960000
ODU HW Version                       4.2
ODU SW Version                       1.3
Local oscillator                     13.050000 GHz
DC supply                            24V On
```

```
Temperature                          40 Deg C

Receiver (LNB)
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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             142

Requested capacity per QoS class:
---------------------------------
Channel CRClass MaxRBDC[kbps] MaxVBDC[kB] RateReq[kbps] VolReq[octs]
Description
      0       0           512          51           110          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 mfc show
MfC Classification table
Module: PEP (1)
SubIdx Idx Grp Classification Parms     HitCount
1       10   1 Dst port =     1..65535   125100
# 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
```

```
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
```