![EMC - EMERGING MARKETS COMMUNICATIONS]

TERMO DE ACEITE TÉCNICO

Solicitante: Imais

NOC/Operador: Wallace Teixeira		**Cliente: Imais**	
Empresa EMC Brasil	**VSAT-ID** IMAIS-BASE-ATTI	**Link kbps** 1024K/512K	**Plataforma** VSAT

```
device show
System Information:
    Name                  : IMAIS-BASE-ATTI
    Location              : Carreiro Castanho - AM
    Contact               :
    System Up time        : 0 days, 06:33:50
    CPU Load              : 14%
    System time(UTC)      : 29 May 2018 05:56:46
    Broadcast Message     : not set

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

MAC addresses:
    Ethernet (LAN)        : 00:20:0e:10:63:8a
    Satellite (DVB)       : 00:20:0e:10:63:8a

# dvb rx show

Satellite (DVB) RX Configuration
--------------------------------
Auto start          : Enabled
Max Traffic MODCOD  : 23   16APSK-9/10
RX watchdog         : 15 minute

Idx  Pri  SymbRate[Msps] Freq[GHz] Mode   PopId   SatId  Pos
SatName          Name              Enable
* 5  5    30.000000      11.592000 DVB-S2 4           0   0.0 E
Yes
  9  9    25.333000      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
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```
Frequency           : 11.592608 GHz
Symbol Rate         : 29.999775 Msps
S2 ModCod
      - receiving   : 12   8PSK-3/5
      - 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                 : 12.4 dB
Input Power         : -35 dBm
# dvb tx show


Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU Output Power    : -13 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power    : 35.0 dBm
EIRP                : 48.0 dBW
Default CW Frequency: 14.125600 GHz
ATM mode            : VC-Mux
Header Compression  :  None



Satellite (DVB) Transmitter Status
----------------------------------
State               : On  (DVB-RCS)
IDU Output Power    : -10.0 dBm
ODU Output Power    : 34.7 dBm
EIRP                : 47.7 dBW
Es/No               : 11.0 dB
Header Compression  : Disabled
Timing correction   : 89 us (244412 us)
Frequency correction: -180 Hz
# odu show

Antenna
---------------------
Type                          BrasilSat SOB107-12  - 1.2m
Antenna controller            None
Tx Gain at 14.25 GHz          43.0dB

Transmitter (BUC)
--------------------------------
Type                          SatLink 4035 (14.0-14.5 GHz)
ODU Serial No.                106546040203080302930000
ODU HW Version                4.2
ODU SW Version                1.3
Local oscillator              13.050000 GHz
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DC supply                       24V On
Temperature                     43 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             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           64           6            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   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

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