# TERMO DE ACEITE TÉCNICO

**Solicitante:** IMAIS Net

| **NOC/Operador:** Guilherme Henrique | **Cliente: IMAIS** |
|---|---|
| | |

| **Empresa** | **VSAT-ID** | **Link kbps** | **Plataforma** |
|---|---|---|---|
| EMC Brasil | IMAIS-BAOS_X | 1M-512k | VSAT |

```
# device show
System Information:
    Name                : IMAIS-BAOS_X
    Location            : Barcelos-AM
    Contact             :
    System Up time      : 0 days, 23:29:24
    CPU Load            : 10%
    System time(UTC)    : 19 April 2017 13:13:37
    Broadcast Message   : not set

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

MAC addresses:
    Ethernet (LAN)      : 00:20:0e:10:63:9c
    Satellite (DVB)     : 00:20:0e:10:63:9c

# 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    10.680000      12.164510 DVB-S2 103        0   0.0 E
Yes
  1  1     0.000000       0.000000 DVB-S2 2          0   0.0 E
Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 1326,  Anik G1 Beam
Frequency           : 12.164948 GHz
Symbol Rate         : 10.679923 Msps
S2 ModCod
      - receiving   : 14   8PSK-3/4
      - current max : 13   8PSK-2/3
Pilot               : On
Frame length        : Short
DVB S2 Mode         : ACM
DVB S2 Stream type  : MPEG-TS
Roll off            : 0.25
SNR                 : 9.4 dB
Input Power         : -37 dBm
# dvb tx show
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU Output Power    : -18 dBm
IDU Max Output Power: 0.0 dBm
ODU Output Power    : 34.7 dBm
EIRP                : 48.0 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    : -12.7 dBm
ODU Output Power    : 34.5 dBm
EIRP                : 47.8 dBW
Es/No               : 10.5 dB
Header Compression  : Disabled
Timing correction   : -94 us (267895 us)
Frequency correction: -1140 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                                SatLink 4033 (14.0-14.5 GHz)
ODU Serial No.                      10480404020409040253000O
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

# dvb cr show

Capacity parameters per channel:
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Channel  CRA[kbps] Allocated[kbps]
      0          0              78

Requested capacity per QoS class:
---------------------------------
Channel CRClass MaxRBDC[kbps] MaxVBDC[kB] RateReq[kbps] VolReq[octs] Description
      0       0           612          61            42            0 Best Effort
      0       1             0           0             0            0 VoiP
      0       2             0           0             0            0 ViC
      0       3            32           3             0            0 Critical Da
ta
```

```
RBDC timeout 5 VBDC timeout 12

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   10200
# ping 10.40.12.193
64 bytes from 10.40.12.193: time=10 ms
64 bytes from 10.40.12.193: time=10 ms
64 bytes from 10.40.12.193: time=10 ms
64 bytes from 10.40.12.193: time=10 ms
64 bytes from 10.40.12.193: time=10 ms

---  ping statistics ---
5 packets transmitted, 5 received,  0.00 percent packet loss
rtt min/avg/max = 10/10/10 ms
```