



TERMO DE ACEITE TÉCNICO

Solicitante: Imais

NOC/Operador: Wallace Teixeira

Cliente: Imais

Empresa
EMC Brasil

VSAT-ID IMAIS-
SAIO_V

Link kbps 2048K/512K

Plataforma VSAT

device show

System Information:

Name : IMAIS-SAIO_V
Location : Santo Antonio do Ima- AM
Contact :
System Up time : 0 days, 18:46:41
CPU Load : 14%
System time(UTC) : 12 September 2018 07:29:47
Broadcast Message : not set

HW:

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

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:94:77
Satellite (DVB) : 00:20:0e:10:94:77

dvb rx show

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	10.680000	12.164510	DVB-S2	103	0	0.0 E

Yes

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 1326, Anik G1 Beam
Frequency : 12.164537 GHz

Symbol Rate : 10.679967 Msps
S2 ModCod
- receiving : 4 QPSK-1/2
- current max : 20 16APSK-4/5
Pilot : On
Frame length : Short
DVB S2 Mode : ACM
DVB S2 Stream type : MPEG-TS
Roll off : 0.20
SNR : 15.1 dB
Input Power : -40 dBm
dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
IDU Output Power : -20 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 14.125600 GHz
ATM mode : VC-Mux
Header Compression : None

Satellite (DVB) Transmitter Status

State : On (DVB-RCS)
IDU Output Power : -20.0 dBm
Es/No : 16.0 dB
Header Compression : Disabled
Timing correction : -220 us (265322 us)
Frequency correction: -880 Hz
osu show
No Such Command
odu show

Antenna

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

Transmitter (BUC)

Type JRC NJT5017 (14.0-14.5 GHz)
Local oscillator 13.050000 GHz
DC supply 24V On

Receiver (LNB)

```

Type                               Zinwell ZK-VJ1 (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           9

```

```
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 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   1945

```

```
# 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
```