TERMO DE ACEITE TÉCNICO

Solicitante: GEE

NOC/Operador: Wallace Teixeira

Cliente: Nsat

Empresa EMC Brasil	**VSAT-ID** NSAT-AP-VI	**Link kbps** 1M/512k	**Plataforma** VSAT

System Information:
```
   Name          : NSAT-AP-VI
   Location      : CALÇOENE/AP
   Contact       :
   System Up time    : 0 days, 01:38:52
   CPU Load      : 11%
   System time(UTC)  : 27 August 2018 00:15:36
   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:cf
   Satellite (DVB)   : 00:20:0e:10:94:cf
```

Satellite (DVB) Receiver Status

```
Rx State       : On
DVB State      : Forward link up
Network        : 1326,  T14R Beam
Frequency      : 11.592003  GHz
Symbol Rate    : 30.000184  Msps
S2 ModCod
   - receiving  : 19   16APSK-3/4
   - current max : 14   8PSK-3/4
Pilot          : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off       : 0.20
SNR            : 10.1 dB
Input Power      : -40 dBm
```

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	30.000000	11.592000	DVB-S2	4	0	0.0 E			Yes
1	1	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
Frequency   : 11.592003 GHz
Symbol Rate   : 30.000135 Msps
S2 ModCod
    - receiving : 14   8PSK-3/4
    - current max : 14   8PSK-3/4
Pilot   : On
Frame length   : Short
DVB S2 Mode   : ACM
DVB S2 Stream type : MPEG-TS
Roll off   : 0.20
SNR   : 10.0 dB
Input Power   : -40 dBm

Satellite (DVB) TX Configuration

Auto start   : Enabled
IDU Output Power   : -16 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 0.000000 GHz
ATM mode   : VC-Mux
Header Compression : None

Satellite (DVB) Transmitter Status

State   : On (DVB-RCS)
IDU Output Power   : -16.1 dBm
Es/No   : 6.5 dB
Header Compression : Disabled
Timing correction   : 86 us (245186 us)
Frequency correction: -120 Hz

Antenna

```
Type                 Patriot TX-120KU - 1.2m
Antenna controller          None
Tx Gain at 14.25 GHz        43.5dB


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


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:
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Channel  CRA[kbps] Allocated[kbps]
    0      0        0


Requested capacity per QoS class:
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```

Channel CRClass MaxRBDC[kbps] MaxVBDC[kB] RateReq[kbps] VolReq[octs] Description

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 20

VBDC computation interval 200 ms (configured 0)

MfC Classification table
Module: PEP (1)
SubIdx Idx Grp Classification Parms    HitCount
   1  10   1 Dst port =    1..65535   904


QOS Policy Table
```

Grp Cls CrM Pri QLength Drop Timeout Description

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