	TERMO DE ACEITE TÉCNICO

Solicitante: GEE			
NOC/Operador: Wallace Teixeira		**Cliente: HSVIASAT**	
Empresa EMC Brasil	**VSAT-ID** HSVIASAT-CCM_PRAINHA	**Link kbps** 1M/512k	**Plataforma** VSAT

device show
System Information:
Name : HSVIASAT-CCM_PRAINHA
Location : Prainha - PA
Contact :
System Up time : 0 days, 02:01:25
CPU Load : 26%
System time(UTC) : 19 July 2018 23:27:45
Broadcast Message : not set

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

MAC addresses:
Ethernet (LAN) : 00:20:0e:10:60:b5
Satellite (DVB) : 00:20:0e:10:60:b5

dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
IDU Output Power : -17 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 14.169750 GHz
ATM mode : VC-Mux
Header Compression : None

Satellite (DVB) Transmitter Status

State : On (DVB-RCS)
IDU Output Power : -17.0 dBm
Es/No : 11.0 dB
Header Compression : Disabled
Timing correction : 55 us (244987 us)
Frequency correction: 90 Hz

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	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 : 11.592185 GHz
Symbol Rate : 30.000026 Msps
S2 ModCod
- receiving : 12 8PSK-3/5
- current max : 18 16APSK-2/3

Pilot : On
Frame length : Short
DVB S2 Mode : ACM
DVB S2 Stream type : MPEG-TS
Roll off : 0.20
SNR : 12.1 dB
Input Power : -34 dBm
odu show

Antenna

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

Transmitter (BUC)

Type JRC NJT5037 (14.0-14.5 GHz)
Local oscillator 13.050000 GHz
DC supply 24V On

Receiver (LNB)

Type JRC NJR2537S (10.95-11.70 GHz)
Local oscillator - LO1 10.000000 GHz
Local oscillator - LO2 10.000000 GHz
Oscillator switching frequency 1-2 13.000000 GHz
13/18V DC supply 18V

```
# dvb cr show

Capacity parameters per channel:
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Channel  CRA[kbps] Allocated[kbps]
     0         0            498

Requested capacity per QoS class:
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Channel CRClass MaxRBDC[kbps] MaxVBDC[kB] RateReq[kbps] VolReq[octs] Description
     0       0           512          51           508        13160 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: QoS (0)
SubIdx Idx Grp Classification Parms     HitCount
    3   4   6 Protocols = 1  162
    3   5   6 Dst port =    53..53      1777
    3   6   6 Src port =   161..161     3
    3   7   6 Src port =    23..23      309

Module: PEP (1)
SubIdx Idx Grp Classification Parms     HitCount
    1  10   1 Dst port =     1..65535   3337
# 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
    3   4   6 Protocols = 1  162
    3   5   6 Dst port =    53..53      1791
    3   6   6 Src port =   161..161     3
    3   7   6 Src port =    23..23      390
```

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