



## TERMO DE ACEITE TÉCNICO

**Solicitante:** ATI - Agência de Tecnologia da Informação do Estado do Piauí

**NOC/Operadora:** Wallace Teixeira

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**Responsável/cliente:** DAVID AMARAL  
AVELINO DIRETOR

**Orgão:** SEDUC

**Unidade:** Enel Alojamento

**Data Instalação**

19/10/2018

**Data Ativação**

19/10/2018

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-PB-0183-OUT

**Porta kbps**  
4096/512

**Tipo**  
Indoor

Piauí, 19 de Outubro de 2018

### 1 – Local da Instalação



## 2 – Configurações do Modem

device show

System Information:

Name : ATI-PB-0183-OUT  
Location : São Gonçalo do Gurguéia - PI  
Contact :  
System Up time : 0 days, 03:57:27  
CPU Load : 40%  
System time(UTC) : 20 October 2018 22:56:45  
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:86:28  
Satellite (DVB) : 00:20:0e:10:86:28

# dvb tx show

Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
BUPC status : Disabled  
IDU Output Power : -20 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-RCS2)  
IDU Output Power : -19.8 dBm  
Es/No : 13.5 dB  
Header Compression : Disabled  
Timing correction : 60 us (251504 us)  
Frequency correction: 230 Hz

# dvb rx show

Satellite (DVB) RX Configuration

-----  
Auto start : Enabled  
Max Signalling MODCOD : 23 16APSK-9/10  
Max Traffic MODCOD : 28 32APSK-9/10  
RX watchdog : 15 minute

Idx	Pri	SymbRate[Mbps]	Freq[GHz]	Mode	PopId	SatId	Pos	SatName	Name	Enable
* 0	0	25.000000	11.628079	DVB-S2	105	0	0.0 E		Yes	

Satellite (DVB) Receiver Status

```
Rx State      : On
DVB State     : Forward link up
Network       : 1326, ATI-PI
Frequency     : 11.628100 GHz
Symbol Rate   : 25.000099 Msps
S2 ModCod
```

- receiving : 1 QPSK-1/4
- current max : 16 8PSK-8/9

Pilot : On

Frame length : Short

DVB S2 Mode : ACM

DVB S2 Stream type : MPEG-TS

Roll off : 0.25

SNR : 14.3 dB

Input Power : -36 dBm

```
# odu show
```

## Antenna

Type ASC/Andrew/Channel Master Type 123 - 1.2m

Antenna controller	None
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Tx Gain 43.3dB

Transmitter (BUC)

Type JRC NJT5017 (14.0-14.5 GHz)

Local oscillator 13.050000 GHz

DC supply                      24V On

Reference 10Mhz 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

```
# ip show
```

## Interfaces

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
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```
1 10.225.2.229 255.255.255.252 10.225.2.231 1500 eth0 1
```

3	172.18.192.189	255.255.255.255	N/A	1540	dvb0	1
---	----------------	-----------------	-----	------	------	---

4	N/A	N/A	N/A	1500	air0	1
---	-----	-----	-----	------	------	---

## DNS Client Configuration

Primary DNS Server: 209.244.0.3, Secondary DNS Server: 209.244.0.4

## Interface Statistics

----- Input ----- Output -----

If	UCast	NUCast	Disc	Octets	UCast	NUCast	Disc	Octets
----	-------	--------	------	--------	-------	--------	------	--------

1 827540 7 0 743628638 741421 120 0 393684126

3 697487 0 0 398452790 733018 0 47077 670810906

4      0      0      0      0      0      0      0      0

IP	Receive	Deliver	Errors	InDiscards	Forward	Request	NoRoute	OutDiscards
1524743	2575	0	0	1524314	3729	0	1	

Interface Directed Routing Table

In If	Out If
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-----IP LAC Statistics-----

RPF	Src eq dest	RPF HitCount	Src eq dest HitCount	MfcHitCount (-1/drop classified)
Disabled	Enabled	0	0	0

Routing Table

DestMask	RouteMask	NextHop	If	RtType	Row-Status
0.0.0.0	0.0.0.0	0.0.0.0	3	STATIC	ACTIVE
10.225.2.228	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.225.195.0	255.255.255.0	10.225.2.230	1	STATIC	ACTIVE
172.18.192.189	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE

#

3 – Configurações dos Equipamentos

Configurações de Rede

Configurações	Interfaces	Roteamento Estático	Roteamento Dinâmico	Configurações IPv6	Controle de Banda	H.A.
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.2.230/30	-	Física	WAN	
	eth1	10.225.195.1/24	-	Física	LAN	
	eth2	-	-	Física	LAN	
	eth3	-	-	Física	-	

```
admin: >ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.2.230 netmask 255.255.255.252 broadcast 10.225.2.231
    ether 00:90:27:ef:6f:e4 txqueuelen 10000 (Ethernet)
    RX packets 100919 bytes 96743008 (92.2 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 67298 bytes 42094967 (40.1 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 16 memory 0xfe8e0000-fe900000

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.195.1 netmask 255.255.255.0 broadcast 10.225.195.255
    ether 00:90:27:ef:6f:e5 txqueuelen 10000 (Ethernet)
    RX packets 10507 bytes 2129988 (2.0 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 15364 bytes 16085232 (15.3 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 17 memory 0xfe9e0000-fea00000

eth2: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 00:90:27:ef:6f:e6 txqueuelen 10000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 18 memory 0xfeae0000-feb00000

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    loop txqueuelen 1 (Local Loopback)
    RX packets 1528508 bytes 304425972 (290.3 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1528508 bytes 304425972 (290.3 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



4 – Teste de Velocidade

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