TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Wallace Teixeira	**Técnico Instalador:** Jean Polini **Contato**: 11 97701-2709 **Email**: jeanpolinitelecom@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** SALVADOR SOBRINHO PEREIRA

Orgão: ATI - Agência de Tecnologia da Informação		**Data Instalação** 22/11/2018	**Data Ativação** 22/11/2018
Unidade: Povoado Piripiri (Bom Jesus)	**Município:** Bom Jesus	**Coordenadas:** 5°8'25.00"S 42°47'10.00"W	

Operadora Global Eagle	VSAT-ID ATI-OU-0215-OUT	Porta kbps 4M/256k	Tipo Outdoor

Piauí, 22 de Novembro de 2018

1 – Local da Instalação

device show System Information:
  Name   : ATI-OU-0215-OUT   Location
: Teresina - PI   Contact   :
  System Up time   : 0 days, 00:07:50
  CPU Load   : 55%
  System time(UTC)   : 23 November 2018 00:01:56
  Broadcast Message : not set

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

MAC addresses:
  LAN   : 00:20:0e:10:94:26
  Satellite (DVB)   : 00:20:0e:10:94:26

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   : -20.1 dBm
Es/No   : 13.0 dB
Header Compression : Disabled
Timing correction : 87 us (251055 us)
Frequency correction: 200 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[Msps]	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        : 11.628067 GHz
Symbol Rate      : 25.000002 Msps
S2 ModCod
- receiving  : 1   QPSK-1/4
- current max : 21   16APSK-5/6
Pilot            : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off         : 0.25
SNR              : 16.0 dB
Input Power      : -29 dBm




# odu show


Antenna
---------------------
Type                     ASC/Andrew/Channel Master Type 123 - 1.2m
Antenna controller          None
Tx Gain                  43.3dB

Transmitter (BUC)
-------------------------------
Type                     JRC NJT5037 (14.0-14.5 GHz)
Local oscillator            13.050000 GHz
DC supply                   24V On
Reference                   10Mhz 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

# ip show
Interfaces
If   IPAddress     SubnetMask   BroadCastAddr  MTU        Alias   AdminStatus
 1   10.225.3.101 255.255.255.252   10.225.3.103 1500          eth0   1
 3      172.18.193.39 255.255.255.255         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   23523    0     376   5433215  22045    10      0   19144450
```

```
3      22064     0    144   19431416   23331    0     0    5142521


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 4   22064    0    144  19431416  23331    0    0  5142521
 5   0    0    0    0    0    0    0    0
IP Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
  45567    224    0    0  46098   352    0    525


Interface Directed Routing Table
 In If  Out If




    ---------------IP LAC Statistics----------------
  RPF    Src eq dest   RPF HitCount   SrceqdestHitCount   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
10.225.3.100 255.255.255.252       0.0.0.0 1  LOCAL  ACTIVE
10.225.227.0  255.255.255.0  10.225.3.102 1  STATIC  ACTIVE
172.18.193.39 255.255.255.255       0.0.0.0 3  LOCAL  ACTIVE
```

3 – Configurações dos Equipanento

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.3.102  netmask 255.255.255.252  broadcast 10.225.3.103
        ether 00:90:27:ef:6e:88  txqueuelen 10000  (Ethernet)
        RX packets 91417  bytes 84183260 (80.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 81748  bytes 33330061 (31.7 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 10.225.227.1  netmask 255.255.255.0  broadcast 10.225.227.255
        ether 00:90:27:ef:6e:89  txqueuelen 10000  (Ethernet)
        RX packets 71921  bytes 32729477 (31.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 70829  bytes 55337234 (52.7 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 17  memory 0xfe9e0000-fea00000

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 716743  bytes 103061223 (98.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 716743  bytes 103061223 (98.2 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

Configurações de Rede

Configurações | Interfaces | Roteamento Estático | Roteamento Dinâmico | Configurações IPv6 | Controle de Banda | H.A.

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
⬤	ⓘ eth0	10.225.3.102/30	-	Física	WAN	✎ 🗑
⬤	ⓘ eth1	10.225.227.1/24	-	Física	LAN	✎ 🗑
⬤	ⓘ eth2	-	-	Física	-	✎ 🗑
⬤	ⓘ eth3	-	-	Física	-	✎ 🗑

4 – Teste de Velocidade -Download/Upload