TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** Fernando Waishman **Contato**: 86-99406-0011 **Email**: nando_dantas@hotmail.com	
ATI: Weslley Souza	**Responsável/cliente:** Fernando Pinheiro	

Orgão: ATI	**Unidade:** Praça da Matriz (São Miguel da Baixa Grande)	**Data Instalação** 09/01/2019	**Data Ativação** 09/01/2019
Operadora Global Eagle	**VSAT-ID** ATI-PB-0255-OUT	**Porta kbps** 4096/512	**Tipo** Outdoor

Piauí, 09 de janeiro de 2019

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name           : ATI-PB-0255-OUT
   Location       : S¦o Miguel da Baixa Grande - PI
   Contact        :
   System Up time    : 0 days, 00:18:42
   CPU Load        : 29%
   System time(UTC)   : 09 January 2019 12:58:36
   Broadcast Message   : not set


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

MAC addresses:
   LAN            : 00:20:0e:10:94:01
   Satellite (DVB)    : 00:20:0e:10:94:01

# 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    27.466667    11.727054 DVB-S2 2     0   0.0 E                  Yes


Satellite (DVB) Receiver Status
-------------------------------
Rx State        : On
DVB State        : Forward link up
Network          : 65281,   ATI-Piaui-Conectado
Frequency        : 11.727094 GHz
Symbol Rate       : 27.466239 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        : 0.25
SNR           : 14.4 dB
Input Power       : -38 dBm


# 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  : SHC/UDP/IP


Satellite (DVB) Transmitter Status
--------------------------------
State           : On   (DVB-RCS2)
IDU Output Power    : -19.9 dBm
Es/No           : 17.5 dB
Header Compression  : SHC/UDP/IP
Timing correction   : 25 us (249218 us)
Frequency correction: 40 Hz


# arp show

  NetAddr      State  MacAddr          If
   10.225.4.6  Dynamic 00:90:27:f0:86:78   1
# ip show
Interfaces
If   IPAddress    SubnetMask  BroadCastAddr  MTU       Alias  AdminStatus
1   10.225.4.5 255.255.255.252    10.225.4.7 1500          eth0   1
3   172.26.7.7 255.255.255.255       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   19260   481    211  2996099  25105    40    1 17888171
3   21283    0     0 17604128  18994    0     0  2640940
4    0    0    0     0     0    0    0     0
IP  Receive Deliver  Errors InDiscards Forward  Request  NoRoute OutDiscards
   40953   981    0      0  44290   1570    52     52


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
   10.225.4.4 255.255.255.252      0.0.0.0  1  LOCAL  ACTIVE
   10.226.11.0  255.255.255.0    10.225.4.6  1  STATIC  ACTIVE
   172.26.7.7 255.255.255.255      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
◑	ℹ eth0	10.225.4.6/30	-	Física	WAN	✎ 🗑
◑	ℹ eth1	10.226.11.1/24	-	Física	LAN	✎ 🗑
◐	ℹ eth2	-	-	Física	-	✎ 🗑
◐	ℹ eth3	-	-	Física	-	✎ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.4.6  netmask 255.255.255.252  broadcast 10.225.4.7
        ether 00:90:27:f0:86:78  txqueuelen 10000  (Ethernet)
        RX packets 27081  bytes 17611090 (16.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 22248  bytes 3915392 (3.7 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 10.226.11.1  netmask 255.255.255.0  broadcast 10.226.11.255
        ether 00:90:27:f0:86:79  txqueuelen 10000  (Ethernet)
        RX packets 25618  bytes 4311195 (4.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 31110  bytes 22939231 (21.8 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 21777  bytes 20323398 (19.3 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 21777  bytes 20323398 (19.3 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – **Teste de Velocidade -**Download/Upload