TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Leonardo Martins Silva	**Técnico Instalador:** Claudinei Ribeiro **Contato**: 11 96577-9767 **Email**:claudnei@telecomtorre.com.br
ATI: Weslley Souza	**Responsável/cliente:** Caemilene de Oliveira Borges

Orgão: SEDUC	**Data Instalação** **28/12/2018**		**Data Ativação** **28/12/2018**	
Unidade: Francival Rodrigues do Nascimento	**Município: Cajazeiras do Piauí**		**Coordenadas: 6°48'55.00"S 41°20'41.00"W**	
Operadora Global Eagle	**VSAT-ID** ATI-ES-0271-IND		**Porta kbps** 4M/512k	**Tipo** Indoor

Piauí, 28 de Dezembro de 2018

1 – Local da Instalação

```
2 – Configurações do Modem

# device show
System Information:
    Name             : ATI-ES-0271-IND
    Location         : Cajazeiras do Piauí - PI
    Contact          :
    System Up time   : 0 days, 01:14:22
    CPU Load         : 49%
    System time(UTC) : 28 December 2018 14:42:10
    Broadcast Message : not set


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

MAC addresses:
    LAN              : 00:20:0e:10:9b:85
    Satellite (DVB)  : 00:20:0e:10:9b:85

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start         : Enabled
BUPC status        : Disabled
IDU Output Power   : -18 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  : -18.1 dBm
Es/No             : 11.0 dB
Header Compression : Disabled
Timing correction  : -233 us (250072 us)
Frequency correction: 390 Hz
# dvb rx show

Satellite (DVB) RX Configuration
-------------------------------
Auto start        : Enabled
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        : 11.628111 GHz
Symbol Rate      : 24.999868 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              : 15.0 dB
Input Power      : -38 dBm
# odu show


Antenna
---------------------
Type                    ASC/Andrew/Channel Master Type 123 - 1.2m
Antenna controller            None
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                    JRC NJR2842 (10.7-12.75 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             18V


# ip show
Interfaces
If     IPAddress    SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
 1   10.225.4.69 255.255.255.252   10.225.4.71 1500         eth0    1
 3   172.18.193.76 255.255.255.255       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  110661    597    254  46228478 139691    56      0  113859518
 3  124837     0     18 113394854  75826     0     118  43198107
 4    0       0      0      0       0       0       0      0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
    235909    1111      0       0  216110    903    135      202
```

```
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
  10.225.4.68 255.255.255.252        0.0.0.0  1   LOCAL   ACTIVE
  10.226.27.0   255.255.255.0    10.225.4.70  1  STATIC   ACTIVE
 172.18.193.76 255.255.255.255        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
●	❶ eth0	10.225.4.70/30	-	Física	WAN	✎ 🗑
●	❶ eth1	10.226.27.1/24	-	Física	LAN	✎ 🗑
○	❶ eth2	-	-	Física	-	✎ 🗑
○	❶ eth3	-	-	Física	-	✎ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.4.70  netmask 255.255.255.252  broadcast 10.225.4.71
        ether 00:90:27:f0:89:30  txqueuelen 10000   (Ethernet)
        RX packets 54867  bytes 22800941 (21.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 55109  bytes 15718679 (14.9 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 10.226.27.1  netmask 255.255.255.0  broadcast 10.226.27.255
        ether 00:90:27:f0:89:31  txqueuelen 10000   (Ethernet)
        RX packets 61815  bytes 16835716 (16.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 62715  bytes 30708354 (29.2 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 110671  bytes 44684024 (42.6 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 110671  bytes 44684024 (42.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

11:41

Sex, 28 de dez de 2018 ⏰ 04:31

Assistente de Áudio Otimização do sistema Calculadora PowerMaster

Gerenciador de inicialização Lanterna Dados móveis Piaui_Conectado

Som Localização Roteador Wi-Fi Filtro de luz azul

TIM ⁄ Só chamadas de emergência — Claro BR

4 – Teste de Velocidade -Download/Upload

Graph (Username: ATI-ES-0271-IND)

■ Total FWD IP Rate from NetAcc   ■ RET IP Rate from Netacc

2,000 Kbps

1,500 Kbps

1,000 Kbps

500 Kbps

0 Kbps

12:35:30   12:36   12:36:30   12:37   12:37:30   12:38   12

11:40   11:50   12:00   12:10   12:20   12:30

From: 12-28-2018 12:3! to: 12-28-2018 12:3!   Zoom: MAX