TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Rogério Frias	**Técnico Instalador:** Fernando Dantas **Contato**: 86 99406-0011 **Email**: nando_dantas@hotmail.com
ATI: Weslley Souza	**Responsável/cliente:** Dirceu Franco Marques

Orgão: ATI	Data Instalação 26/12/18		Data Ativação 26/12/18	
Unidade: U.E. Vicente Fonseca	**Município:** Jerumenha		**Coordenadas:** 5°6'56.00"S 42°46'7.00"W	

Operadora Global Eagle	VSAT-ID ATI-ES-0296-IND	Porta kbps 4096/512	Tipo Indoor

Piauí, 26 de dezembro, de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-ES-0296-IND
   Location        : Jerumenha - PI
   Contact         :
   System Up time  : 0 days, 00:18:22
   CPU Load        : 54%
   System time(UTC)   : 26 December 2018 17:25:44
   Broadcast Message   : not set


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

MAC addresses:
   LAN             : 00:20:0e:10:4f:3f
   Satellite (DVB) : 00:20:0e:10:4f:3f

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start         : Enabled
BUPC status        : Disabled
IDU Output Power   : -15 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   : -15.2 dBm
Es/No           : 13.5 dB
Header Compression  : Disabled
Timing correction   : -147 us (250500 us)
Frequency correction: 370 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
```
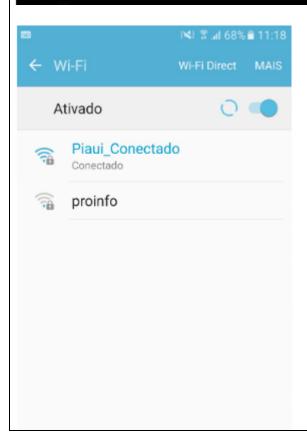
```
* 0  0   25.000000    11.628079 DVB-S2 105     0  0.0 E                    Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State        : On
DVB State       : Forward link up
Network         : 1326,  ATI-PI
Frequency       : 11.628066 GHz
Symbol Rate     : 24.999723 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             : 16.4 dB
Input Power     : -36 dBm
# arp show

  NetAddr      State  MacAddr         If
  10.225.4.170  Dynamic 00:13:3b:8b:45:47   1
# ip show
Interfaces
If     IPAddress     SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
 1   10.225.4.169 255.255.255.252   10.225.4.171  1500          eth0   1
 3  172.18.137.247 255.255.255.255       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    2634    336     189    348931    2434     21      0     987764
3    1766     0      473    937419    1314      0      0     172574
4     0       0       0       0        0        0      0       0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
    4707     1435      0        0        4731     1045      45       944


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
  10.225.4.168  255.255.255.252       0.0.0.0  1   LOCAL   ACTIVE
   10.226.52.0  255.255.255.252   10.225.4.170  1   STATIC  ACTIVE
 172.18.137.247 255.255.255.255       0.0.0.0  3   LOCAL   ACTIVE
```

#

3 – Configurações dos Equipamentos

```
admin  >ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
        inet 10.225.4.170  netmask 255.255.255.252  broadcast 10.225.4.171
        ether 00:90:27:f0:85:8c  txqueuelen 10000  (Ethernet)
        RX packets 123535  bytes 116472981 (111.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 89472  bytes 12560394 (11.9 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 10.226.52.1  netmask 255.255.255.0  broadcast 10.226.52.255
        ether 00:90:27:f0:85:8d  txqueuelen 10000  (Ethernet)
        RX packets 93898  bytes 13110580 (12.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 125585  bytes 116691903 (111.2 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 62865  bytes 45557151 (43.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 62865  bytes 45557151 (43.4 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload

Graph (Username: ATI-ES-0296-IND)

Total FWD IP Rate from NetAcc 2,608.56   RET IP Rate from Netacc   474.91

2,500 Kbps	
2,000 Kbps	
1,500 Kbps	
1,000 Kbps	
500 Kbps	
0 Kbps	

13:51:31   13:52   13:53   13:54   13:55

13:00   13:10   13:20   13:30   13:40   13:50   14:00

From: 12-26-2018 13:5 to: 12-26-2018 13:5   Zoom: MAX