TERMO DE ACEITE TÉCNICO

EMC
EMERGING MARKETS COMMUNICATIONS

Solicitante: VIVO- Projeto Escolas Rurais

NOC/Operador: Bruno Carvalho de Sá	Cliente: VIVO

Empresa	VSAT-ID	Link kbps	Plataforma
EMC Brasil	VIVO-PER-23059346-CE	256/128	VSAT

```
cmd - Atalho
Microsoft Windows [versão 6.1.7600]
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C:\Windows\System32>tracert 8.8.8.8

Rastreando a rota para google-public-dns-a.google.com [8.8.8.8]
com no máximo 30 saltos:

  1    <1 ms    <1 ms    <1 ms  10.27.18.169
  2   620 ms   561 ms   543 ms  10.10.11.191
  3   557 ms   560 ms   529 ms  10.10.12.2
  4   554 ms   556 ms   555 ms  200.143.6.130
  5   631 ms   556 ms   567 ms  h200-215-188-130.iph.diveo.net.br [200.215.188.1
30]
  6   642 ms   546 ms   557 ms  200-147-28-129.static.uol.com.br [200.147.28.129
]
  7   639 ms   555 ms   508 ms  as15169.sp.ix.br [187.16.216.55]
  8   505 ms   550 ms   542 ms  216.239.43.79
  9   583 ms   552 ms   557 ms  72.14.239.49
 10   597 ms   564 ms   543 ms  google-public-dns-a.google.com [8.8.8.8]

Rastreamento concluído.

C:\Windows\System32>arp -a

Interface: 10.29.18.170 --- 0xb
  Endereço IP           Endereço Físico       Tipo
  10.29.18.169          00-20-0e-10-73-00     dinâmico
  10.29.18.175          ff-ff-ff-ff-ff-ff     estático
  224.0.0.22            01-00-5e-00-00-16     estático
  224.0.0.252           01-00-5e-00-00-fc     estático
  239.255.255.250       01-00-5e-7f-ff-fa     estático
  255.255.255.255       ff-ff-ff-ff-ff-ff     estático

C:\Windows\System32>vivo-per-23059346-Ce Beberibe
```

```
# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU Output Power     : -21 dBm
IDU Max Output Power : 0.0 dBm
ODU Output Power     : 35.6 dBm
EIRP                 : 46.5 dBW
Default CW Frequency : 14.125750 GHz
ATM mode             : VC-Mux
Header Compression   :  None


Satellite (DVB) Transmitter Status
----------------------------------
State                : On  (DVB-RCS)
IDU Output Power     : -20.1 dBm
ODU Output Power     : 35.1 dBm
EIRP                 : 46.0 dBW
Es/No                : 13.0 dB
Header Compression   : Disabled
Timing correction    : -158 us (261117 us)
Frequency correction : 20 Hz
```

```
# dvb rx show

Satellite (DVB) RX Configuration
--------------------------------
Auto start           : Enabled
Max Traffic MODCOD   : 23   16APSK-9/10
RX watchdog          : 15 minute

Idx  Pri  SymbRate[Msps] Freq[GHz] Mode   PopId   SatId  Pos   SatName        Name
Enable
* 0  0      9.320000      12.055825 DVB-S2 102        0   0.0 E
Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State             : On
DVB State            : Forward link up
Network              : 1326,  GlobalIP@Telstar-14R
Frequency            : 12.056029 GHz
Symbol Rate          : 9.320122 Msps
S2 ModCod
        - receiving  : 15   8PSK-5/6
        - current max : 16   8PSK-8/9
Pilot                : On
Frame length         : Short
DVB S2 Mode          : ACM
DVB S2 Stream type   : MPEG-TS
Roll off             : 0.20
SNR                  : 13.0 dB
Input Power          : -27 dBm


# ping 8.8.8.8
64 bytes from 8.8.8.8: time=750 ms
64 bytes from 8.8.8.8: time=720 ms
64 bytes from 8.8.8.8: time=710 ms
64 bytes from 8.8.8.8: time=740 ms
64 bytes from 8.8.8.8: time=700 ms

---  ping statistics ---
5 packets transmitted, 5 received,  0.00 percent packet loss
rtt min/avg/max = 700/720/750 ms
#
```