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Subject: Pactor monitoring test

The four text files contain results from using the PMON command in an
SCS DR-7400 with the default values for monitoring Pactor 1, 2 or 3.
The monitored frequency was 7101 kHz USB.

The default values for PMON produce a packet by packet display of the
contents based on the payload. If the payload is entirely ASCII, this
is displayed. If any portions are not ASCII, the packet payload is
displayed in a verbose HEX format. How the payload data displays is
adjustable, but I used the default method for this test.

Most of the traffic seems to be the NTS digital system running
variations of the BPQ32 system.

This test confirms the monitorability of Pactor packets by anyone with
an SCS modem in their possession and attached to an appropriate
receiver and antenna. All issues of timing, equalization, etc. are
abstracted away in the modem itself leaving only payload data to
examine.

It is important to remember this test merely highlights how Pactor
transmissions may be monitored with ease using the correct SCS modem
product. It does not suggest anything about the meaning of the actual
payload the Pactor modems carry such as Winlink messages, NTS data,
keyboard to keyboard, etc. These are questions for the Application
Layer 7 of the OSI model and have nothing to do with the Level 1,2
transport layers.

Conclusion: Pactor data is monitorable with ease using a third Pactor
modem in the middle in PMON mode. What the Pactor transmission carries
is an Application Layer question outside the responsibility of the
mode used be it Pactor, VARA, AX.25, etc.