The Naval PV-35R
2 Meter Linear Amplifier

BY LEW McCoy*, W1ICP

The PV-35B presents a neat amplifier package. At the right is the power switch, and to its right is the receiver amplifier. The DC power levels are displayed via LEDs, as are the output levels.

The PV-35R, marketed by Naval Electronics, Inc., is a linear amplifier designed for 2 meter signal amplification, both on transmit and receive. Primarily, this amplifier is for use with a handheld in either base or mobile operation. The unit I had for review was not an “all mode” type, but an all-mode version can be had for an additional charge of $10.00 for the modification. This means that in addition to 2 meter FM, the amplifier can be used with AM, standard FM, CW, SSB, RTTY, and packet.

Essentially, the amplifier provides 10 decibels of gain. I tested it at one-tenth watt input and got 1 watt out. Next, at 1 watt input I got 10 watts out. And last, at 3 watts input the amplifier put out 30 watts.

On the front of the amplifier are three LEDs which show the power output at either 10, 20, or 30 watts. This is a very handy display. Power-supply requirements are 10.5 volts to 14 volts (13.8) DC at 5 amperes. The amplifier measures only 4” x 4” x 2”. It comes with UHF fittings.

The receiving preamp uses GaAS FETs and does an effective job on weak-signal amplification. I found the amplifier to be very useful in marginal repeater situations. Many times a repeater can be on a fringe for your operation, particularly if you are using a handheld. This amplifier, along with a reasonable antenna, will certainly cure such problems.

The PV-35R is manufactured by Naval Electronics, Inc., 5417 Jetview Circle, Tampa, FL 33634 (613-885-3789). The amplifier sells for $149.00 plus $7.50 shipping and handling.

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