

ADAPTATION OF THE HW-202 TO CHANNELIZED OPERATION

1. Receiver IF = 10.7 Mhz. Low side injection. Offset crystal frequency 23.21667 Mhz..
2. Channelizer Programming: transmitter X24, Receiver X6, with doubler. Jumpers A-B, F-G, H-E23.
3. Transmitter connections: Coax shield to chassis, center conductor through a 330 ohm resistor to the hot side of the crystal socket. Connect a 220pf capacitor from the hot side of the crystal socket to ground. (see fig)
4. Receiver connections: Coax shield to the ground side of crystal socket (away from the panel end of the rig) , center conductor to the hot side of the crystal socket.
5. Push-to-talk: Connect the PTT line directly to the microphone PTT connection. Connect a 1A PIV diode with the anode to the PTT line, and the cathode to the +12 volt supply line. (this can be done right at the rear connection of the channelizer, either inside or outside as desired)

NOTE: To insure proper drive to the HW202, before connecting 400B to the rig, Measure injection on transmit and receive using crystals. Then connect 400B as per instructions and match readings. If unit is overdriven, a resistive pad or series resistor may be required to reduce drive.

Install
GND LUG
HERE

TX COAX

E SHIELD

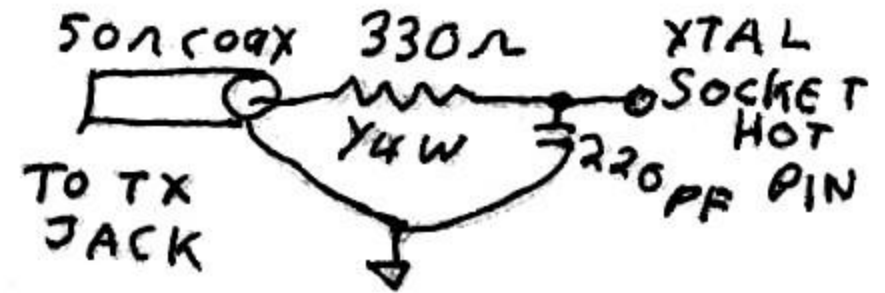
220
PF

330 $\frac{1}{4}$ W

TRANSMITTER
BOARD

XTALS

FRONT PANEL OF RIG



DOUBLER CONNECTIONS

COAX
FR E11

E2

E5

+5 volt line

