

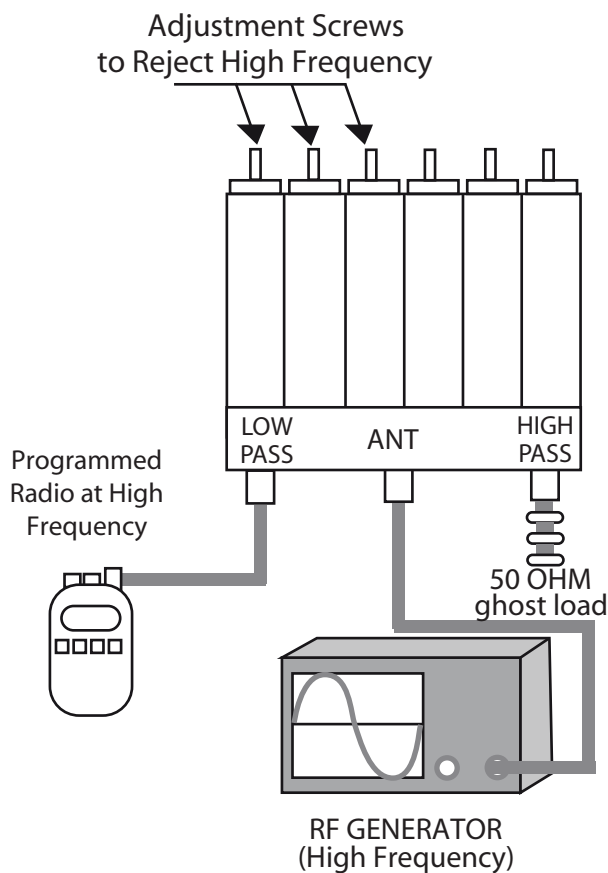
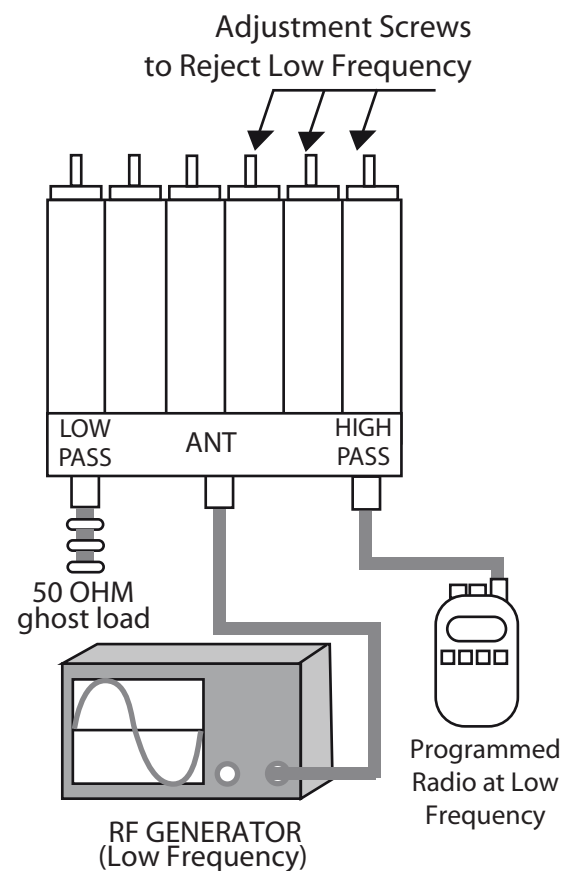
DUPLEXER ADJUSTMENT TYPE BAND REJECTION WITH MINIMUM EQUIPMENT

REQUIRED EQUIPMENT:

- 1.- RF generator.
- 2.- Programmable radio in the desired frequencies (5 MHz of typical separation)
- 3.- 50 Ohm ghost load.
- 4.- Flat screwdriver

PROCEDURE:

- 1.- Connect the test equipment (RF Generator), programmable radio and phantom load to the unit under adjustment (Duplexer) as shown in Fig.1
- 2.- Prepare the RF generator at minimum output signal at high frequency by injecting 1 Khz of modulated signal at 3 Khz.
- 3.- Program the radio in the high frequency and open the control of silencing (squelch).
- 4.- Adjust with one of the three screws of the section passes low (LOW PASS) until the audio signal is nullified in the radio speaker, continue with the other 2 screws gradually increasing the signal of the generator until the audio is null.
- 5.- Connect the test equipment as shown in Fig. 2.
- 6.- Repeat steps 2 to 4, inverting the frequencies, (generating the low frequency and programming the radio to receive also low) adjusting the screws of the cavities of the high pass section (HIGH PASS) until nullifying the Audio.

**FIG. 1****FIG. 2**