

8. Alignment instructions

WARNING

Any repairs or adjustments should be made under the supervision of a qualified radio-telephone technician.

TRANSMITTER

1. Power Supply Voltage

The Power supply voltage should be set for 4.5 VDC measured at the radio during transmit. Periodically check the power supply voltage during the alignment procedure.

2. Frequency Setting

- A. Connect a frequency counter or Communications Service Monitor to the antenna connector through an RF power attenuator (10 watt minimum rating, 20 dB minimum attenuation).
- B. Depress the PTT switch.
- C. Adjust the CT2 trimmer capacitor such that the output frequency is equal to the channel frequency with a maximum error of ± 200 Hz.
- D. Release the PTT switch.

3. Output Power Alignment.

- A. Set the power supply voltage for 4.5 VDC.
- B. Connect a Communications Service Monitor or a wattmeter and dummy load to the antenna connector.
- C. Depress the PTT switch.
- D. To be convinced for 0.45 Watt output power with a maximum error of ± 0.05 Watt.