

## TUNE-UP PROCEDURES

This is a single channel transceiver have been aligned at the factory and does not require any adjustments at installation.

The requied test equipments listed are used for this test set up and alignment.

### TRANSMITTER TEST PROCEDURES :-

ITEM	SETTING	Adjust Point	Measurement
Tx Frequency	Set Radio to Tx mode Connect to frequency counter	L11	462.6625MHz $\pm$ 500Hz
Tx Power	Set Radio to Tx mode Connect RF power meter to antenna point AF signal 30mV/1KHz to microphone point	Nil	max. <0.1W ( at 50 ohm load )
Modulation	Set Radio to Tx mode AF signal 30mV/1KHz to microphone point	Nil	For a needle reading of 3K $\pm$ 1KHz on the modulation meter

### RECEIVER TEST PROCEDURES :-

ITEM	SETTING	Adjust Point	Measurement
Rx Sensitivity	Set Radio to RX mode Set volume control fully clockwise RF SG setting 462.6625MHz 0.1mV/1.5KHz Turn down the input level to 10uV/1.5KHz Connect to antenna point	Nil	For a needle reading on the sinad meter <10uV/-12dB ( at 8 ohm load )
Rx Frequency	Set Radio to Rx mode Set volume control fully clockwise RF SG setting 462.6625MHz Distortion meter connect to speaker point	L12	<0.1% ( at 8 ohm load )