

RF ALIGNMENT PROCEDURE

1) FREQUENCY ADJUSTMENT

- A. CONNECT THE FREQUENCY COUNTER METER TO BASE OF Q6
- B. PRESS AND HOLD PTT BUTTON
- C. ADJUST L5 TO TX FREQUENCY $\pm 2\text{kHz}$ OF 462.6375MHz

2) TX POWER CHECK

- A. CONNECT THE RF LEVEL METER TO THE ANT OF PCBA
- B. PRESS AND HOLD PTT BUTTON
- C. CHECK THE TX CONDUCTIVE POWER $< 0.08\text{mW}$

3) DEVIATION LIMITING AND MIC SENSITIVITY

- A. CONNECT THE DEVIATION METER TO THE POINT BETWEEN R17 AND R18
- B. APPLY AUDIO SIGNAL 1KHz 25mVrms ACROSS C21
- C. PRESS AND HOLD PTT BUTTON
- D. CHECK DEVIATION $< 30\%$
- E. CHECK MIC SENSITIVITY BETWEEN 1mVrms AND 10mVrms AT 20% MODULATION