

RF ALIGNMENT PROCEDURE

- 1) FREQUENCY ADJUSTMENT
 - A. CONNECT THE FREQUENCY COUNTER METER TO BASE OF Q6
 - B. PRESS AND HOT PTT BUTTON
 - C. ADJUST L5 TO TX FREQUENCY +/-2kHz 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 <0.08mW
- 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