

## **Technical Description**

The brief circuit description is listed as follows:

- Q1, T2 and associated circuit act as 49.860 MHz Super-regenerative Receiver.
- X1, T3 and associated circuit act as 49.860 MHz Oscillator.
- L1 and associated circuit act as antenna matching circuit.
- Q2, Q3, U1 and associated circuit act as Audio Signal Amplifier.
- S1-A, S1-B, S1-C and S1-D act as Push-to-talk Control Key.

Antenna Used:

An External, Integral Antenna has been used.

Antenna Type: External integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 44.5dB $\mu$ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB