

## **Operational Description**

(This information is also found on page 2 of the test report)

### **1.1 Product Description**

The equipment under test (EUT) is a transceiver for Toy walkie-talkie operating at 49.860 MHz which is controlled by a crystal. The EUT is powered by a 9V battery. There are a volume switch, squelch control and a push to talk button on the EUT. Switch on the volume to achieve receive mode, press the push to talk button to achieve transmit mode.

The brief circuit description is listed as follows:

- Q2, Q3 and associated circuit act as RF Transmitter
- Q4 and associated circuit act as TX Pre-Amp
- Q5, XT1 and associated circuit act as Oscillator
- VD1, T8 and associated circuit act as Sound modulator
- Q6 and associated circuit act as Mic, Amp