

Technical Description

The Equipment Under Test (EUT), is a portable 49.86MHz Transceiver for a Walkie Talkie. The sample supplied operated on a single channel, 49.86MHz.

The EUT is powered by 4 x 1.5V Button Cells. After switching on and pressing the button on the EUT, sound received by the Walkie Talkie will be transmitted to another Walkie Talkie.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 65.1dB μ V/m at 3m (Peak)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. Q1 acts as super-regenerative receiver
2. Q2, Q3 and Q4 acts as audio amplifier
3. Q5 acts as microphone amplifier
4. L1 acts as antenna matching circuit.