

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car Unit) for a RC car. The sample supplied operated on 25 channels, normally at 2430 - 2454MHz. The channels are separated with 1MHz spacing.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 86.0dB μ V/m at 3m (Peak), 68.3dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U6 acts as RF Module
2. Y1 acts as 16MHz Oscillator
3. C9, C10, L1 and L2 act as antenna matching circuit
4. R16 and R21 acts as speaker circuit
5. Q1 and Q2 act as amplifiers.
6. U2, U3 and U4 (MX612E) act as Motor circuits.