

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car Unit) for a RC car. The sample supplied operated on single channel, normally at 2450MHz.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 90.6dB μ V/m at 3m (Peak), 51.5dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (TX7533-3.3V) act as Voltage regulator circuit
2. U2 (H1076-RX) acts as MCU
3. Y1 acts as 16MHz Oscillator
4. C4, C7, C8, L1 and L2 act as antenna matching circuit
5. U3 & U4 (HW1011) act as Motor circuits.