

Technical Description

The Equipment Under Test (EUT) is a portable transmitter of a RC Car operating at 27.145 MHz as dictated by a crystal. The EUT is powered by 2*1.5V AA battery. The EUT has a left / right control lever, a forward / backward control lever and a transform button.

After switching ON the EUT and the receiver of the RC Car, activating the control levers on the EUT can control the receiver moving forward, backward left and right directions or transform.

Antenna Type: External integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 67.6dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. U2 and the associated circuit act as MCU.
2. K1-K7 act as control buttons.
3. Y1 and the associated circuit act as frequency oscillator.
4. Q1, Q2, Q3 and the associated circuit act as the RF power amplifier.