

Model: 91014(Transmitter portion)
Technical Description of
Transmitter

The Equipment Under Test (EUT) is a transmitter of a RC Car system, which is operating at 27.145MHz as dictated by a crystal. The EUT is powered by 2 x 1.5V AA size batteries. The EUT has a pair of control keys and a red LED indicator.

After switching ON the EUT and its corresponding receiver (i.e. car), activating the control key on the EUT can control the receiver moving forward, backward, left and right.

The circuit of the transmitter comprises of,

1. An Encoding circuit
Consisting: SW1, SW2, SW3, SW4TX-2B
2. A RF Oscillator
(27.145MHz) Consisting:
27.145MHz
3. A Filter Network
Consisting: L1, L3, L2, C4
4. A RF Modulator and Amplifier
Consisting: Q1, Q2
5. A Power Supply
Consisting: 2 x AA size batteries

The transmitter uses an external, integral and telescope-type.

Antenna Type: External, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 77.0dB μ V/m at 3m

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