

Technical Description

The Equipment Under Test (EUT), is a portable 27.145MHz Transmitter (Controller Unit) for a RC car. The EUT is powered by 4 x 1.5V AA batteries.

After switch on the EUT, the car will be moved forward or backward, based on the button pressed on the controller, and the car will be turned left or right based on the direction of the driving wheel of the controller.

The Model: 88571, 88591, 88601, 88611, 88621, 88631, 88681, 88741, 88781, 88791, 88801, 88811, 88821, 88831, 88841, 88851, 88921, 88931, 85572, 88592, 88602, 88612, 88622, 88632, 88682, 88742, 88782, 88792, 88802, 88812, 88822, 88832, 88842, 88852, 88922, 88932, 85573, 88593, 88603, 88613, 88623, 88633, 88683, 88743, 88783, 88793, 88803, 88813, 88823, 88833, 88843, 88853, 88923, 88933, 85574, 88594, 88604, 88614, 88624, 88634, 88684, 88784, 88794, 88804, 88814, 88824, 88834, 88844, 88854, 88924, 88934, 5F633F7 and 5F633F8 are the same as the Model: 88744 in hardware aspect. The difference in model number serves as marketing strategy. The models are different in non-conductive outer casing only.

Antenna Type: Internal, Integral

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

The brief circuit description is listed as below:

- 1) U1 acts as a regulator.
- 2) U2 acts as an one-touch switch circuit (IC-TOUCH-CFC221(8)).
- 3) U3 (IC-CX5100) acts as a MCU.
- 4) Q1 acts as an oscillation circuit.
- 5) Q2 acts as an AM.

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength is 63.7 dBµV/m at 3m

Maximum allowed production tolerance: +/- 3dB