

Technical Description

The Equipment Under Test (EUT), is a portable 27.14496MHz Transmitter (Controller Unit) for a RC car. The EUT is powered by 1 X 9.0V alkaline battery.

After switch on the EUT, model: 85021, the car will be moved forward or backward, turned left or right based on the joystick control in the controller.

The Model: 85051, 85071, 85091, 85101, 85111, 85121, 85131, 85181, 85221, 85231, 85241, 85281, 85291, 85301, 85311, 85331, 85341, 85351, 85361, 85391, 85411, 85421, 85431, 85511, 85022, 85052, 85072, 85092, 85102, 85112, 85122, 85132, 85182, 85222, 85232, 85242, 85282, 85292, 85302, 85312, 85332, 85342, 85352, 85362, 85392, 85412, 85422, 85432, 85512, AD15452, 85126, 85286, 5F62D85, 5F62D86 and 5F62DB7 are the same as the Model: 85021 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 MCU and RFIC (PT977).**
- 2) Q1 acts as an oscillating circuit.**
- 3) Y1 (27.145MHz) acts as a crystal.**
- 4) Q2 acts as an amplitude modulation circuit.**
- 5) ZD1 acts as a regulator.**

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength is 72.1 dBµV/m at 3m

Maximum allowed production tolerance: +/- 3dB