

Technical Description

The Equipment Under Test (EUT) is portable controller for Remote controlled car set which operates at 27.145MHz. The EUT is power by 1 x 9.0V Alkaline battery.

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

The Model: 85476, 85576 and 5F633FA are the same as the Model: 85376 in hardware aspect. The difference in model number serves as marketing strategy. The models are different in non-conductive outer casing of corresponding car only.

Antenna Type: dedicated

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 an Encoding Circuit (TX-2).
- 2) Y1 (27.145MHz) acts as a crystal for Q1.
- 3) Q1 acts as Oscillation Circuit for Q2 (2712).
- 4) Q2 acts as RF Power Amplifier and modulator (2712).
- 5) ZD1 acts as a Regulator circuit for U1, Q1 and Q2 (ZD1)

Antenna Type: dedicated antenna

Antenna Gain: 0dBi

Nominal rated field strength is 67.2 dB μ V/m at 3m

Maximum allowed production tolerance: +/- 3dB