

## **Technical Description**

The Equipment Under Test (EUT) is portable controller for Remote controlled car set which operates at 49.860MHz. 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 only.

Antenna Type: Dedicated antenna

The brief circuit description is listed as below:

- 1) U1 acts as a coding circuit (TX-2).
- 2) Y1 (49.860MHz) acts as a crystal.
- 3) Q1 acts as an oscillation circuit.
- 4) Q2 acts as amplitude modulation circuit.
- 5) ZD1 acts as a regulator circuit.

Antenna Type: Dedicated antenna

Antenna Gain: 0dBi

Nominal rated field strength is 66.8 dB $\mu$ V/m at 3m

Maximum allowed production tolerance: +/- 3dB