

## **Technical Description**

The Equipment Under Test (EUT) is a transmitter of a RC Car operating at 49.860 MHz as dictated by a crystal. The EUT is powered by a 9.0 V DC source (1 x 9V battery). The EUT has a forward or backward control lever and a left or right control lever.

After switching ON the EUT and the receiver of the RC Car, activating the control levers on the EUT can control the receiver to move forward, backward, leftward or rightward.

**The brief circuit description is listed as below:**

- 1) U1 acts as MCU (PT997).**
- 2) Y1 is 49.680MHz crystal oscillator providing clock for U1.**

**Antenna Type: Internal antenna**

**Antenna Gain: 0Bi**

**Nominal rated field strength: 71.4dB $\mu$ V/m at 3m**

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