

## Technical Description (Transmitter portion)

**The Equipment Under Test (EUT) is a transmitter of a RC system, which is operating at 27.145MHz as dictated by a crystal. The EUT is powered by 2 x AA size batteries. The EUT has a power ON/OFF switch and control key.**

**After switching ON the EUT and the corresponding car(ie. Receiver), activating the control key on the EUT can control the car moving forward, backward, left and right.**

**Antenna Type: Integral, external**

**Nominal field strength is 65.4dB $\mu$ V/m @ 3m**

**Production Tolerance of field strength is 62.4 dB $\mu$ V/m to 68.4 dB $\mu$ V/m**

**Antenna gain is 0dBi**

### **The circuit of the transmitter mentioned below.**

- KL, KR, KB, KF and associated circuit act as a Control key.
- TX-2B and associated circuit act as a decode and coding circuit.
- Q2(945), Q1(8050), L2, L3 and associated circuit act as modification amplifying circuit.
- TX acts as a 27.145 MHz crystal and local oscillator circuit .
- T1 and associated circuit acts as wire transmitting circuit.