

Technical Description (Transmitter portion)

The Equipment Under Test (EUT) is a transmitter of a RC system, which is operating at 49.860MHz as dictated by a crystal. The EUT is powered by 3 x "AAA" size batteries. The EUT has control keys.

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 70.1dB μ V/m @ 3m

Production Tolerance of field strength is 67.1 dB μ V/m to 73.1 dB μ V/m

Antenna gain is 0dBi

The circuit of the transmitter mentioned below.

1. Control buttons:

Consists of K1, K2, K3, K4 and K5

2. Encoding circuit

Consists of IC TX-3 NY4P018AS14

3. Oscillator (49.860MHz):

Consists of J

4. Antenna match

Consists of L3

5. Power Supply

Consists of 4.5VDC (3 x 1.5V size AAA battery)\

6. Debugging

Consists of L1, L2, L6, Q1 and Q2