

FCCID: NEX-9401

1. Operation Description

The equipment under test (EUT) is a transmitter for a RC toy car operating at 27.145 MHz. The EUT has two control rods for commanding the forward, backward, left and right movement of the associated receiver.

2. Circuit Description

- 1) IC1, Q2, Q5, Q6 and the associated circuit act as AF-Modulator.
- 2) Q1 and the associated circuit act as a RF-transmitter.
- 3) Q3 together with 27.145 MHz crystal oscillator drive the base of Q1.
The matching network at output of Q1 is to limit the harmonic content and provide the proper coupling to antenna output.