

Operational Description

The Equipment Under Test(EUT) is a transmitter for toy operating at 27.145MHz, which is controlled by a RF Remote Control, and powered by 2*1.5V "AA" batteries.

There are four switches: forward, backward, turn left and turn right.

The brief circuit description is listed as follows:

Description	Function	Component
Antenna	Transmit modulated RF signal	Ant
LPF Filter	Suppression of spurious emissions	C2, C1, T1, L1
RF Power Amplifier and Modulator	Modulate the carrier and amplify the modulated RF signal	Q2
Oscillator	Generate 27.145MHz carrier	Y1, Q1
Encode IC	Generate code signal modulator	U2