

#### Description of Operation for RC Vehicles :

The Equipment-Under-Test (EUT) is a battery-operated hand-held / portable RF transmitter for remote controlling the movements of an electric toy vehicle. Left paddle on the remote is responsible for the forward/backward of rear wheel in full speed. Right paddle on remote is responsible for the left / right direction of the front wheels.

For the circuit function of the device, the integrated circuit determines inputs (connected to switches S1 and S2 and gives encoded signal which super-imposed with the local crystal oscillator (27.145 MHZ). The modulated signals is subsequently magnified and transmitted through the antenna E1. The antenna of the transmitter is a retractile metal rod.