

**Description of EUT Operation:**

Sample Description: 90491 Odd On Overboard  
RF REMOTE CONTROL TRANSMITTER  
(49.860MHZ)

FCC ID (if applicable): T2J90490TX49

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 left wheel in full speed. Right paddle on remote is responsible for the forward/backward of right wheel in full speed. Full forward/backward speed of vehicle is achieved by pushing or pulling both left/right paddles simultaneously. Left spinning is achieved by pushing the left paddle on remote forward while pulling the right paddle backward and vice versa.

For the circuit function of the device, the integrated circuit (IC1) determines inputs (connected to switches S1-S4) and gives encoded signal which super-imposed with the local crystal oscillator (49.860MHz). The modulated signal is subsequently magnified and transmit through the antenna E1. The antenna of the transmitter is a retractile metal rod.