E248 Operation Description

The transmitter of Motorcycle RC car is powered by 1*9.0V battery, it has radio frequency 49.860MHz. While push the left controller sticks forward, it will transmitted a modulation signal for receiver to go forward.On the other hand , the receiver will move backward. When push both of the left and the right controller, the receiver will turn clockwise or counter-clockwise.

Refer to the transmitter circuit design, the circuit description is listed as below :

- X1, Q2 and associate components are acted as local oscillator for modulation.
- Q1 and associate components are acted as RF power amplifier.
- IC1 and associate components are acted as control signal encoder.

Operation Description

The receiver of Motorcycle RC car is powered by 4*1.5V AA battery. When it received either one of Forward, Backward, Left Turn and Right Turn signal from the transmitter, it will move forward, backward, turn left or right accordingly.

Refer to the receiver circuit design, the circuit description is listed as below :

- Q4 and associate components are acted as RF receiver.
- U2 and associate components are acted as control signal decoder.
- Q2 ~ Q8 , Q10 ~ Q15 and associate components are acted as motor driving.