

E822 TX Operation Description

The transmitter of Caterpillar RC car is powered by 2*1.5V AAA battery, it has radio frequency 49.860MHz. While push the controller key, it will transmitted a modulation signal for receiver to turning right 2s. On the other way, no transmitter, the receiver will move left said.

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

- X1, Q3 and associate components are acted as local oscillator for modulation.
- Q1 and associate components are acted as RF power amplifier.
- U1 and associate components are acted as control signal encoder.

E822 RX Operation Description

The receiver of Caterpillar RC car is powered by 2*1.5V AA battery. When it received Turn signal from the transmitter, it will move for right accordingly. When it received no signal, it will move for left.

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

- Q1 and associate components are acted as RF receiver.
- U2 and associate components are acted as control signal decoder.
- Q2 ~ Q8 and associate components are acted as motor driving.