

## **27.145MHZ Transmitter Operational Description**

### **LC55702 RC Wilson**

The transmitter of R/C Wilson is powered by 4.5V (3XAA) battery, it has radio frequency 27.145MHz. While push the controller right, it will transmitted a modulation signal for receiver to go forward. , When push the left key, the receiver will turning counter-clockwise.

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

- X1, L2, Q2 and associate components are acted as local oscillator for modulation.
- Q1, L1, L3, L4 and associate components are acted as RF power amplifier.

## **27.145MHZ Receiver Operational Description**

### **LC55702 RC Wilson**

The receiver of R/C Wilson is powered by 4.5V (3XAA) battery. It also has radio frequency 27Mhz. When it receiver a modulation signal from the transmitter. it will move forward or turning counter-clockwise.

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

- .. Q2 and associate components are acted as RF receiver.
- .. U2 and associate components are acted as control signal decoder.
- .. Q17/Q18. Q23 ~ Q26 and associate components are acted as motor driving.