

## **Operation Description of transmitter for Radio Control Mars Detector**

The receiver for remote control toy car is operating at 49.860 MHz. It is powered by a 9.6V, NiCd type rechargeable battery pack. The receiver receives the signal from transmitter and moves forward as well as backward moving and circular path respectively.

Refer to the circuit design, the circuit description is listed as follows :

- Q1 and associated circuit act as RF amplification
- IC1 and associated circuit act as decoding and oscillation
- Q2, Q3, Q10, Q11 and associated circuit act as motor (M1) control
- Q4, Q5, Q12, Q13 and associated circuit act as motor (M2) control