

### **Operation Description (KR-1252 27MHz transmitter)**

The EUT is a transmitter operating at 27.145 MHz and is crystal-controlled. The EUT is powered by 1 x 9V battery. There are two control levers on the EUT. Different combinations of the controls allow the EUT to transmit radio signals for the receiver to move forward, backward and to perform spinning action.

Referring to the circuit diagram, a brief circuit description is listed as follows:

- T1 and associated circuit act as oscillator
- Q1 and associated circuit act as modulator
- Q2 and associated circuit act as RF amplifier
- U1 and associated circuit act as encoder
- Z1 and associated circuit act as voltage regulator