49.860MHz transmitter operational description of mini plane

The transmitter send out 49.820MHz ~ 49.900MHz signal of high frequency to control the plane move which supply voltage is 9.0volts with six batteries (size AA). Please consult with added block diagram and schematic.

When the user pulls the trigger to up and pulls the trigger run left or right (schematic presents with S2 ~ S5), the IC U1 high voltage enters into GND. these signal is processed by IC and sent out through Q3, X1, Q1, L2, C4 makes up of oscillator, which generated base oscillatory signal .The signal of R, L, F, and B come by T1, C12, L5, C13, C14 and fixed 49.860MHz of high frequency, it is sent out.

When the user need charger about RX battery, the U3 and Q2 would adjust out current. When working finish the D3 LED would dies.

D1 LED acts as a power –on indicator, D2 LED is use the charger。

All tuning and verifications are performed by the manufacturer and there are no adjustment which can be made by the user. No external ground is required or used with this transmitter.