

49.860Mhz transmitter operational description of hurricane

The transmitter send out 49.820MHz ~49.900MHz signal of high frequency to control the cat move ,which supply voltage is 3.0volts with two batteries (size AA). Please consult with added block diagram and schematic .

When the user pulls the trigger or pulls the whirlabout (schematic presents with SW2~SW11),the high voltage signal enters into IC (w55RF27T3B) .these signal is processed by IC and sent out through ANT-6 pin of IC .Y1,R2,C8,C9 makes up of oscillator ,which generated base oscillatory signal .The signal of R,LF,B,F1 and F2 come by L4,C5,L3,L1,C1 and fixed 49.860MHz of high frequency, is sent out.

In the IC inner , the input signal need be enlarged and this function need voltage too . The voltage is supplied by the power through L2 ,C15 .

A LED acts as a power –on indicator .

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 .