

Description of EUT Operation:

Sample Description: Micro HoverCopter (49.860 MHz Receiver)

FCC ID (if applicable): RV849RX915570995

Micro HoverCopter working theory

Micor HoverCopter is combined with remote controlled transmitter gun and UFO mainframe. The radio frequency applied is 49.860 MHz. The circuit is combined with the special IC PT8A978/977 and cooperated wireless transmitting and receiving circuitry.

Micro HoverCopter working process

When adjusting the trigger of the transmitter gun, there are five steps functional keys. The first step is the lowest speed and the fifth step is the highest speed. The controlled dictate of the five steps will modulate the high frequency carried and have it launch.

When the receiving circuit receives the signal from demodulation output, it will be sent to the decode IC. The high electricity will be exported correspondingly and then switches from low to high voltage in order to drive the motor, so that the motor will spin by different speed. Thereby, the Micro HoverCopter can carry out the up, down and suspending flying.

The UFO mainframe can be charged with the rechargeable Ni-MH battery. Charging 10~12 mins can be play around 2 mins.