

# OPERATIONAL DESCRIPTION

## Function of mini RX

### Technical Description

The equipment under test (EUT) is a 2.4GHz transmitter with 25 channels operating at 2405-2476MHz; It is powered by 3.7V DC (1\*3.7V Lithium-polymer battery).

<b>Frequency Range:</b>	2405 MHz to 2476 MHz
<b>Modulation Technique:</b>	Frequency Hopping Spread Spectrum(FHSS)
<b>Type of Modulation:</b>	GFSK
<b>Number of Channels:</b>	25
<b>Channel Separation:</b>	≥ 2 MHz
<b>Antenna Type:</b>	Integral Antenna
<b>Antenna Gain:</b>	1.9 dBi
<b>Maximum Conducted Power:</b>	0 dBm (Tolerance: ± 3 dB)
<b>Crystal Frequency:</b>	32.768 KHz and 16 MHz

### Channels List

Channel	25						
Frequency (MHz)	2405	2422	2424	2426	2428	2430	2413
	2433	2437	2440	2442	2445	2447	
	2450	2452	2455	2457	2460	2462	
	2465	2467	2470	2472	2474	2476	

### RX FUNCTION

The functions of RX MAIN Ics are mentioned as below:

- 1) U5 acts as ARM for system and gaming control;
- 2) U1 acts as power regulator;
- 3) Q1, Q2, Q3, Q4 acts as Motor drive tube;
- 4) U3 as 6-axis gyro.