

# OPERATIONAL DESCRIPTION

## Function of Neutron TX

### Technical Description

The equipment under test (EUT) is a 2.4GHz transmitter with 25 channels operating at 2405-2476MHz; It is powered by 9V DC (6\*1.5V "AA" batteries).

<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>Support Data Rate:</b>	1 Mbps
<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>Conducted Power:</b>	5 dBm (Tolerance: ± 3 dB)
<b>Crystal Frequency:</b>	16 MHz

### Channels List

Channel	25						
<b>Frequency (MHz)</b>	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	

### TX FUNCTION

The functions of TX MAIN Ics are mentioned as below:

- 1) U2 acts as mcu for system and gaming control;
- 2) VR1, VR2 acts as Control lever.