

## Operational Description

### **For 2.4 GHz:**

This device is a Wireless Broadband Router; the maximum data rate could be up to 135Mbps which OFDM technique will be applied. If the signal to noise ratio is too poor which could not support 135Mbps, the 65Mbps data rate with OFDM technique will be applied.

The transmitter of the EUT (Wireless Broadband Router) is powered by DC 5V from power adapter or 3.7V from battery. The antenna used in this product is PIFA antenna.

Frequency range is IEEE 802.11b/ 802.11g/ 802.11n 2.4GHz 20MHz: 2412~2462 MHz.

IEEE 802.11n 2.4GHz 40MHz: 2422~2452 MHz.

Modulation type is IEEE 802.11b:DSSS, IEEE 802.11g:DSSS/OFDM, IEEE 802.11n 2.4GHz 20MHz: OFDM, IEEE 802.11n 2.4GHz 40MHz: OFDM

1. RF chipset: RTL8188
2. Oscillator: 40MHz
3. Antenna used: PIFA antenna, Max. Gain: 2.584 dBi