



SHENZHEN TENDA TECHNOLOGY CO.LTD

FCC ID:V7TW3002R

### Operational Description

This device is a 802.11bgn WLAN Wireless Router, Model:W3002R, Which operates in 2.412-2462Ghz Band; The maximum data rate could be up to 300Mbps which OFDM technique. If the signal to noise radio is too poor which could not support 300Mbps, the 11Mbps data rate with DSSS technique will be applied. When 802.11b/g mode was working, one antenna was working which has the best signal.

The transmitter of the EUT is powered by Adapter(DC9V1A)

The device adapts DSSS and OFDM modulation. And the antenna was 5dbi Cylindrical antenna. And provided diversity function to improve the receiving functions. It allows your computer to connection to a wireless network and to share resources,

ITEMS	CONTENTS
1. Modulation type	802.11B: CCK    802.11G: OFDM    802.11N: OFDM
2. Number of channels	CE : 13 channels    FCC : 11 channels
3. Bandwidth of each channel	20MHZ/40 MHZ
4. L.O. frequency of receiver	3.216 MHZ
5. Transmitter or Transceiver *	Transceiver
6. Power Rating (DC/AC, Volt rating)	Power from Adapter:9V1A
7. output power to Antenna	802.11B:18dBm +/-2dB 802.11G:15dBm +/-2dB 802.11N:15dBm +/-2dB
8. Basic function of product	Wireless Router
9. Antenna Type, Gain	Cylindrical antenna , 5dbi*2 ,
10. Operation temperature range	0°C ~ 40°C
11. Humidity	10%~ 90% RH
12. Data Rate:	B : 11 /5.5 /2 /1 Mbps G : 54 /48 /36 /24 /18 /12 /9 /6 Mbps N : UP to 300Mbps
13. TX//RX	2TX//2RX