

Description of Operation

EUT is a Wireless device with 11 channels. This device provided 1/2/5.5/11/6/9/12/18/24/36/48/54 Mbps of transmitting speed. The device of RF carrier is DQPSK,DBPSK,CCK and OFDM. The device adapts direct sequence spread spectrum modulation. The antenna is [external directional Antenna](#), and there is [I-Pex connector](#).

Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) and Orthogonal Frequency Division Multiplex-ing (OFDM) radio transmission, the [Wireless Card](#) transfers data at speeds up to 64/128-bit Wired Equivalent Protection(WEP) algorithm and the new industrial-strength WPA (Wi-Fi Protected Access™) security is used. In addition, its standard compliance ensures that it can communicate with any 802.11b/g network.

Items	Description
Type of Modulation	DSSS (CCK / DQPSK / DBPSK) OFDM (64QAM / 16QAM / DQPSK / DBPSK)
Number of Channels	11
Carrier Frequency	2412MHz ~ 2462 MHz
Data Rate	1, 2, 5.5, 11 Mbps – DSSS 54, 48,36, 24,18,12, 6 Mbps - OFDM
Max. Conducted Output Power	DSSS : 18.48 dBm ; OFDM : 15.77 dBm
Antenna Type / Gain	PCB Antenna / 6.00 dBi
Communication Type	Half-Duplex
Testing Duty Cycle	100.00%
Test Power Source	USB Power 5 VDC
Temperature Range (Operating)	0 ~ 55 °C