Description of Operation

EUT is a <u>Wireless Residential VoIP Gateway</u> 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.

This <u>Wireless Residential VoIP Gateway</u> is an IEEE 802.11b/g AP. It allows your computer to connect to a wireless network and to share resources, such as files or printers without being bound to the network wires. Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) and Orthogonal Frequency Division Multiplex-ing (OFDM) radio transmission, the <u>Wireless Residential VoIP Gateway</u> transfers data at speeds up to 64/128-bit Wired Equivalent Protection (WEP) algorithm and the new industrial-strength WPA (Wi-Fi Protected AccessTM) security is used. In addition, its standard compliance ensures that it can communicate with any 802.11b/g network.

EUT has been verified, no Ad Hoc mode is provided.

802.11b/g

Items	Description
Power Type	22VDC from adapter
Modulation	DSSS for IEEE 802.11b ; OFDM for IEEE 802.11g
Data Modulation	DSSS (BPSK / QPSK / CCK) ; OFDM (BPSK / QPSK / 16QAM / 64QAM)
Data Rate (Mbps)	DSSS (1/ 2/ 5.5/11) ; OFDM (6/9/12/18/24/36/48/54)
Frequency Range	2400 ~ 2483.5MHz
Number of Channels	11
Channel Band Width (99%)	11b: 12.56 MHz ; 11g: 16.40 MHz
Conducted Output Power	11b: 20.77 dBm ; 11g: 21.00 dBm

Scenarios	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A	M-gear	C407-510497-A (SSR-81173)	Dipole Antenna	NA	2.00
B	-	-	PIFA Antenna	On board	2.557