

## Operational Description

This device is an IEEE 802.11 b/g/n USB Wireless Module, which operates in the 2.4GHz frequency spectrum with throughput of up to 150Mbps which OFDM technique will be applied. If the signal to noise ratio is too poor which could not support 150Mbps, the 11Mbps data rate with DSSS technique will be applied.

1. There are six antennas provided to this EUT, please refer to the following table:

No.	Brand Name	Model No.	Antenna Type	Gain (dBi)	Antenna Connector
1	GoldenBridge	13G018004000	1/2λ Dipole	2.3803	RSMA
2	INPAQ	13G010067000	1/2λ Dipole	2.21	RSMA
3	INPAQ	13G010067010	1/2λ Dipole	1.98	RSMA
4	INPAQ	13G010071001	1/2λ Dipole	1	RSMA
5	GoldenBridge	13G010071000	1/2λ Dipole	2.38	RSMA
6	GoldenBridge	13-120001022	1/2λ Dipole	0.92	RSMA

From the above antennas, model: **13G018004000** was selected as representative model for the test and its data was recorded in this report.

2. The EUT incorporates a MISO function with 802.11b, 802.11g, draft 802.11n. Physically, the card provides one completed transmit and two receivers.
3. The EUT is 1 \* 2 spatial MISO without beam forming function. The antenna configuration is one transmitter antenna and two receiver antennas, as there are 2 dipole antennas. Spatial multiplexing modes for simultaneous transmission using 1 antenna, and for simultaneous receiver using 2 antennas.
4. The EUT complies with draft 802.11n standards and backwards compatible with 802.11b, 802.11g products.
5. The EUT operates in the 2.4GHz frequency spectrum with data rate up to 150Mbps.
6. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.