

## Operational Description

This device is a USB Embedded Module, the maximum data rate could be up to 54Mbps which OFDM technique will be applied. If the signal to noise ratio is too poor which could not support 54Mbps, the 11Mbps data rate with CCK technique will be applied.

The transmitter of the EUT (USB Embedded Module) is powered from host equipment.

The antennas used in this product are as following:

1. The EUT can be equipped with following antennas:

No.	Brand Name	Model No.	Gain (dBi)	Antenna Type	Antenna Connector
1	High-tek	T700(PEN)	0.05	PIFA	I-PEX
2	ARISTOTLE	PCB013	1	PCB	I-PEX
3	ARISTOTLE	C2H Series	2.5	Monopole	I-PEX
4	Own design	MN003	1.29	PCB	I-PEX

**Note:**

1. From above antennas, the different type of antennas was chosen for final test and its data were recorded in this report.
2. Antenna 2 and 4 are the same type of antenna. The antenna 5 was selected as representative antenna for the test.

The other instruction, please have a look at the users manual.