

## Operational Description

This device is a High-Speed 2.4GHz WLAN Mini PCI Card which operates in the 2.4GHz band, 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. This project is seeking the authorization of limited module approval specific to the mobile device such as access point and router.

The transmitter of the EUT is powered by host equipment via a mini-PCI interface. The antenna types used in this product are Inverted F and Dipole with internal connector type MMCX or external connector Reversed SMA, please also refer to the following table:

No.	Antenna Model	Antenna Type	Antenna Gain (dBi)	Connector	
				Internal	External
1	IFF-811D-120-1	Inverted-F	2.0	MMCX	NA
2	IWF-613D-120-1	Dipole	2.0	MMCX	NA
3	IWF-114F-120-1	Dipole	1.8	MMCX	NA
4	IDF-RODER-120-1	Dipole	2.0	MMCX	NA
5	IW-151RS-120-1	Dipole	5.0	MMCX	Reversed SMA
6	IW-241RS-120-1	Dipole	2.0	MMCX	Reversed SMA
7	IW-144RS-120-1	Dipole	2.5	MMCX	Reversed SMA
8	IWF-242-120-1	Dipole	2.0	MMCX	NA
9	IWF-152-120-1	Dipole	4.0	MMCX	NA

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