

Operational Description

This device is a WLAN MINI PCI CARD, 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 (WLAN MINI PCI CARD) is powered by host equipment. The antenna types used in this product are as following:

No.	Brand Name	Antenna Model No.	Antenna Type	Antenna Connector	Gain (dBi)	Frequency range
1	WGT	B05250000006(Main)	PIFA	UFL	2.21	2.4~2.5GHz
2	WGT	B05250000007(Auxiliary)	PIFA	UFL	1.8	2.4~2.5GHz
3	Whayu	B05250000008(Main)	PIFA	UFL	2.45	2.4~2.5GHz
4	Whayu	B05250000009(Auxiliary)	PIFA	UFL	2.54	2.4~2.5GHz
5	WGT	B0125028000001(Main)	PIFA	UFL	2.43	2.4~2.5GHz
6	WGT	B0125028000002(Auxiliary)	PIFA	UFL	2.45	2.4~2.5GHz
7	WNC	B0125028000004(Main)	PIFA	UFL	2.45	2.4~2.5GHz
8	WNC	B0125028000005(Auxiliary)	PIFA	UFL	2.42	2.4~2.5GHz
9	Favortron	D05007001401	PIFA	UFL	1.37	2.4~2.5GHz
10	SmartAnt	21-90841-01-Left Ant	PIFA	UFL	1.21	2.4~2.5GHz
11	SmartAnt	21-90841-01-Right Ant	PIFA	UFL	1.42	2.4~2.5GHz
12	SmartAnt	21-90706-02 (Auxiliary)	PIFA	UFL	0.24	2.4~2.5GHz
13	SmartAnt	21-90707-02 (Main)	PIFA	UFL	2.02	2.4~2.5GHz
14	Favortron	P50 -Right Ant	PIFA	UFL	0.4	2.4~2.5GHz
					-0.21	4.9~5.85GHz
15	Favortron	P50-Left Ant	PIFA	UFL	0.1	2.4~2.5GHz
					-1.2	4.9~5.85GHz
16	YAGEO	M30-Main Ant for EI system	PIFA	UFL	0.98	2.4~2.5GHz
					0.05	5.15~5.85GHz
17	YAGEO	M30-Aux Ant for EI system	PIFA	UFL	-1.13	2.4~2.5GHz
					-0.39	5.15~5.85GHz
18	YAGEO	M30-Main Ant for KI system	PIFA	UFL	1.96	2.4~2.5GHz
					0.92	5.15~5.85GHz
19	YAGEO	M30-Aux Ant for KI system	PIFA	UFL	1.96	2.4~2.5GHz
					0	5.15~5.85GHz
20	WGT	B0265050000003(Left) Main	PIFA	UFL	1.19	2.4~2.5GHz
					1.59	5.15~5.85GHz
21	WGT	B0265050000002(Right) Aux	PIFA	UFL	1.97	2.4~2.5GHz
					2.06	5.15~5.85GHz

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22	Whayu	B0265050000008(Main)	PIFA	UFL	0.87	2.4~2.5GHz
					0.77	5.15~5.85GHz
23	Whayu	B0265050000007(Aux)	PIFA	UFL	0.77	2.4~2.5GHz
					0.02	5.15~5.85GHz
24	WGT	B0375050000001(Main)	PIFA	UFL	0.77	2.4~2.5GHz
25	WGT	B0375050000002(Aux)	PIFA	UFL	0	2.4~2.5GHz

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