

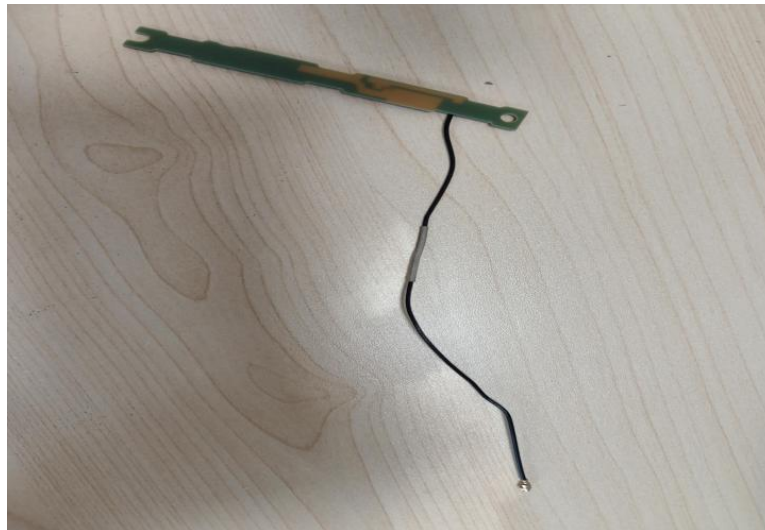
Antenna description

1. Antenna describe:

Antenna plate	PCB antenna
Make name/model name	WA-P-LB-02-994-B
Antenna max gain	5.38dBi
Frequency range	2400MHz-2500MHz&5100MHz-5900MHz
Connector type	Cable
Manufacturer Address	Unit A2 802, Kexing Science Park, Nanshan District, Shenzhen
Manufacturer name	INPAQ TECHNOLOGY CO., LTD.

2. External view drawing:

Picture of antenna



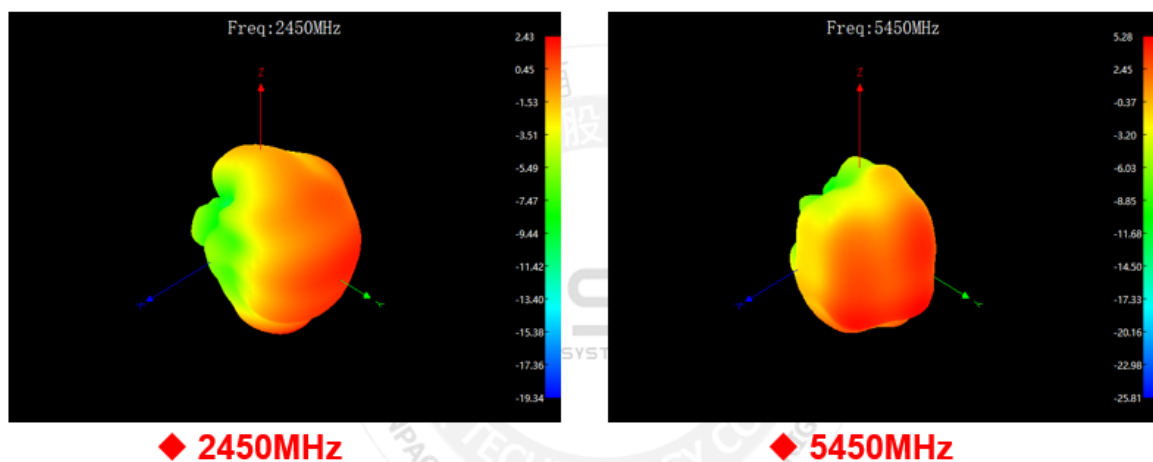
3. Antenna Radiation Pattern

Gain and Efficiency

Frequency (MHz)	2400	2450	2500	5150	5500	5850
Efficiency (%)	42.66	52	44.57	60.53	57.15	58.08
Peak Gain (dBi)	1.34	2.43	0.71	5.38	5.72	4.11

Radiation Pattern

3D Radiation Pattern Results



Efficiency & Gain

Frequency (MHz)	WiFi2.4G			Frequency (MHz)	WiFi5G		
	Efficiency / dB	Efficiency / (%)	Peak Gain (dBi)		Efficiency / dB	Efficiency / (%)	Peak Gain (dBi)
2400	-3.7	42.66	1.34	5150	-2.18	60.53	5.38
2410	-3.24	47.42	1.32	5200	-2.39	57.68	5.42
2420	-2.89	51.4	1.66	5250	-2.53	55.85	4.61
2430	-2.73	53.33	2.04	5300	-2.7	53.70	4.01
2440	-2.58	55.21	1.82	5350	-2.35	58.21	5.05
2450	-2.84	52	2.43	5400	-2.48	56.49	5.37
2460	-2.62	54.7	1.66	5450	-2.66	54.20	5.28
2470	-2.99	50.23	2.32	5500	-2.43	57.15	5.72
2480	-3.09	49.09	1.33	5550	-2.43	57.15	5.55
2490	-3.51	44.57	1.49	5600	-2.51	56.10	5.24
2500	-3.51	44.57	0.71	5650	-2.46	56.75	4.62
				5700	-2.43	57.15	4.19
				5750	-2.09	61.80	4.76
				5800	-2.41	57.41	4.14
				5850	-2.36	58.08	4.11

SWR

Frequency (Unit MHz)	2400	2450	2500	5150	5850
VSWR	2.13	1.21	2.09	1.65	1.34

