



深圳市美禾嘉科技有限公司

Shenzhen Meihejia Technology Co., Ltd.

Antenna test report

地址：深圳市宝安区航城街道黄田大门路1号鸿丰华互联网创意园F3-005
Address: F3-005, Hongfenghua Internet Creative Park, No. 1, Huangtianmenmen Road, Hangcheng Street,
Bao'an District, Shenzhen, China



Client	Xinhua bang	Name	T1019
Frequency band	2400-2500MHz 5000-6000MHz	Structural Mode	FPC Antenna
Date	2023-02-03		

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测试设备 Test Equipment

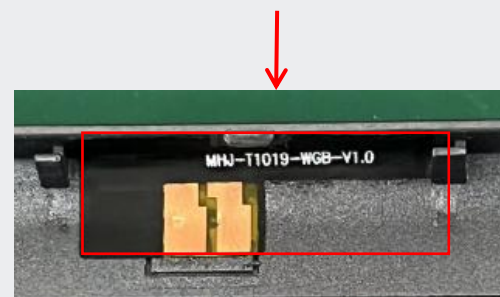


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天线位置 Antenna position

Bluetooth&W Antenna

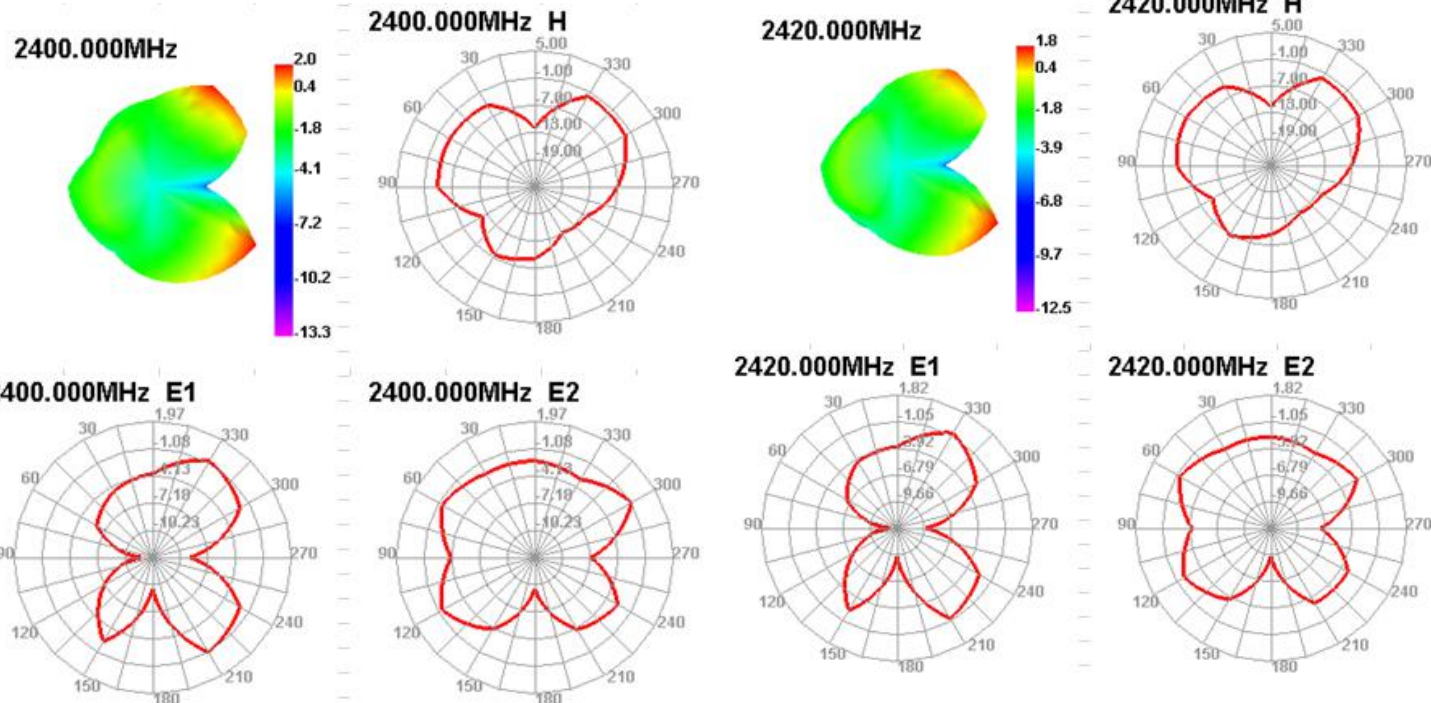


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Antenna Gain

Bluetooth&
2.4GWIFI

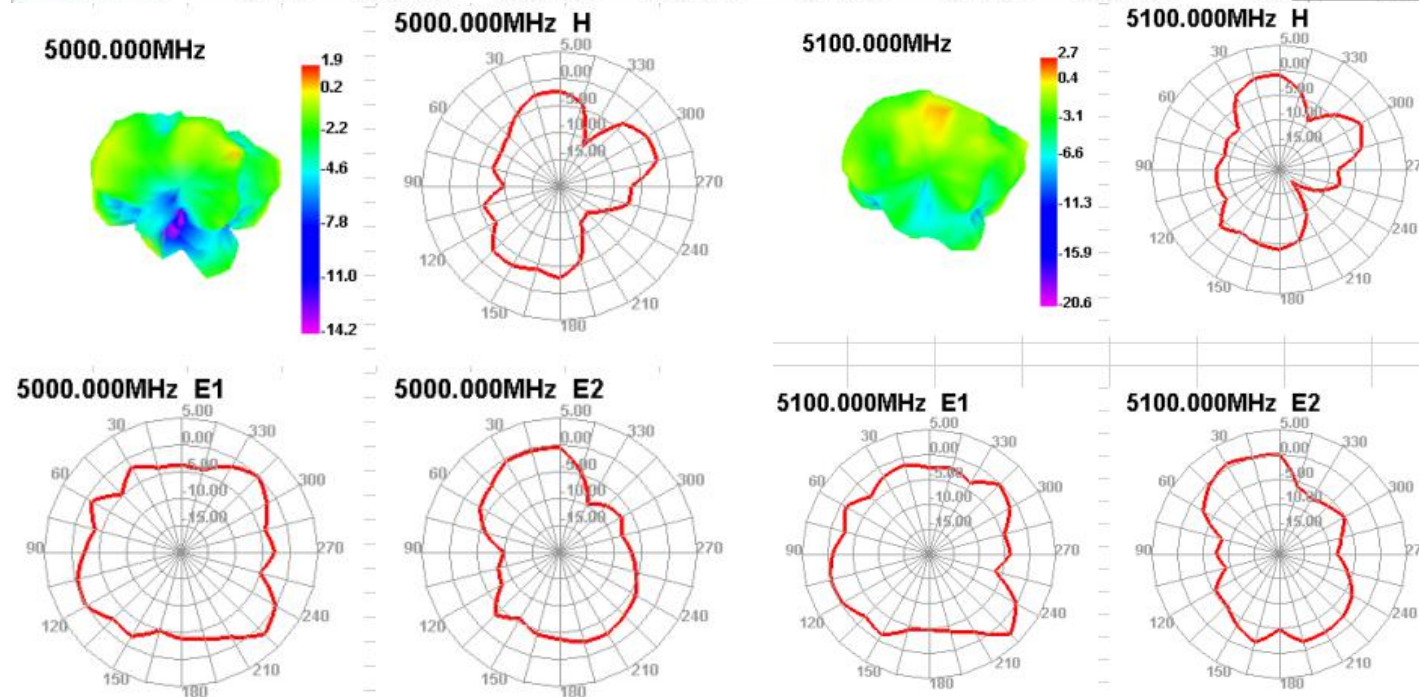
Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	52	-2.84	1.97	-0.18	30.553	21.45	1.97	-13.28	52.03	53.99
2410	51.46	-2.89	1.91	-0.24	29.764	21.698	1.91	-13.96	51.99	53.84
2420	49.65	-3.04	1.82	-0.33	28.728	20.919	1.82	-12.53	52.04	53.98
2430	47.45	-3.24	1.34	-0.81	27.212	20.238	1.34	-12.37	52.23	54.02
2440	51.31	-2.9	1.58	-0.57	29.006	22.304	1.58	-11.82	52.54	54.25
2450	54.34	-2.65	1.86	-0.29	30.165	24.177	1.86	-12.18	52.64	54.11
2460	52.27	-2.82	1.72	-0.43	28.879	23.393	1.72	-12.26	52.59	54.02
2470	49.21	-3.08	1.56	-0.59	26.886	22.326	1.56	-12.13	52.66	54.04
2480	49.87	-3.02	1.54	-0.61	27.027	22.846	1.54	-11.42	53.06	54.43
2490	56.13	-2.51	2	-0.15	30.048	26.081	2	-11.86	53.33	54.57
2500	54.88	-2.61	1.81	-0.34	29.232	25.65	1.81	-11.87	53.11	54.29



Antenna Gain

5G WIFI

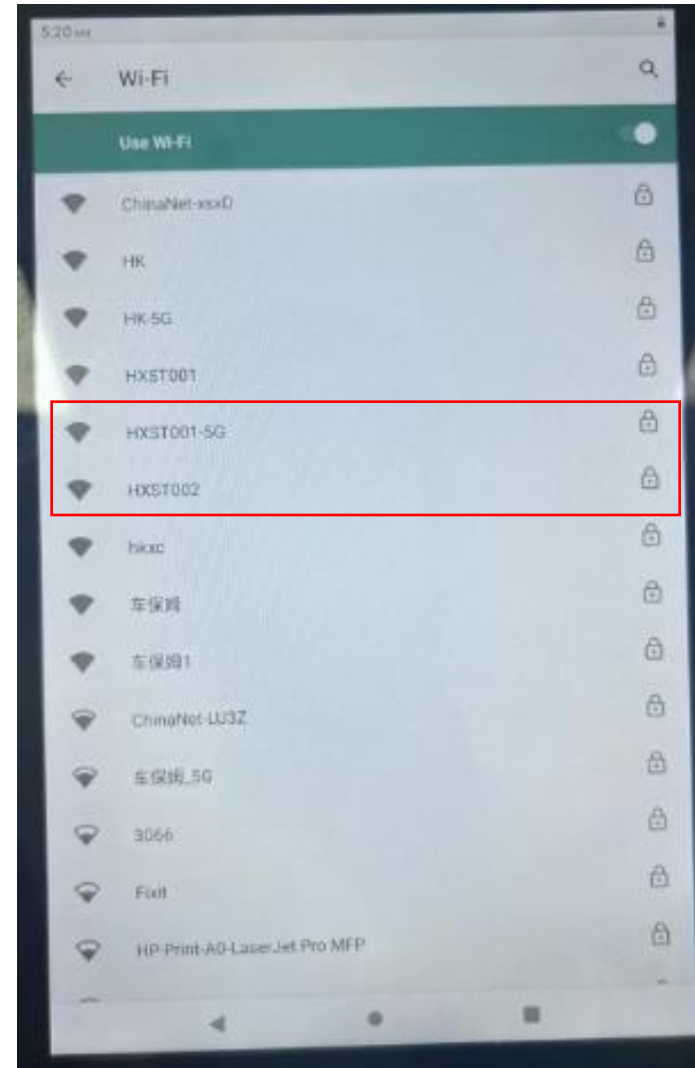
Passive Test For 5.8										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5000	46.67	-3.31	1.85	-0.3	20.83	25.842	1.85	-14.19	60.98	61.12
5100	49.34	-3.07	2.72	0.57	21.539	27.8	2.72	-20.56	62.27	61.85
5200	46.53	-3.32	2.61	0.46	19.821	26.71	2.61	-15.82	61.29	61.02
5300	47.43	-3.24	2.39	0.24	20.042	27.387	2.39	-17.77	62.07	61.55
5400	54.3	-2.65	2.97	0.82	22.628	31.669	2.97	-18.02	62.13	60.92
5500	54.3	-2.65	3.27	1.12	22.779	31.523	3.27	-15.15	63.01	61.73
5600	46.08	-3.37	2.94	0.79	19.41	26.668	2.94	-17.6	63.72	61.99
5700	52.48	-2.8	3.28	1.13	20.976	31.508	3.28	-16.71	64.01	63.03
5800	50.29	-2.98	2.74	0.59	19.693	30.6	2.74	-17.24	63.93	62.81
5900	43.42	-3.62	1.79	-0.36	17.19	26.228	1.79	-14.67	64.36	63.01
6000	0.93	-20.32	-14.54	-16.69	0.392	0.537	-14.54	-33.8	49.87	48.27



Wifi天线实测

Wifi Antenna test

Test environment:
Inside the office
Distance from routing device Distance: about 15 meters



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GPS搜星测试 GPS star search test



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