



东莞市一佳电子通讯科技有限公司

Dongguan Yijia Electronics Co.,Ltd.

Antenna Test Report

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Tester : Liu tao

Approval : Yin tao

Date : 2023 / 07/ 21

真诚 务实 开拓 创新



1. Device Profile

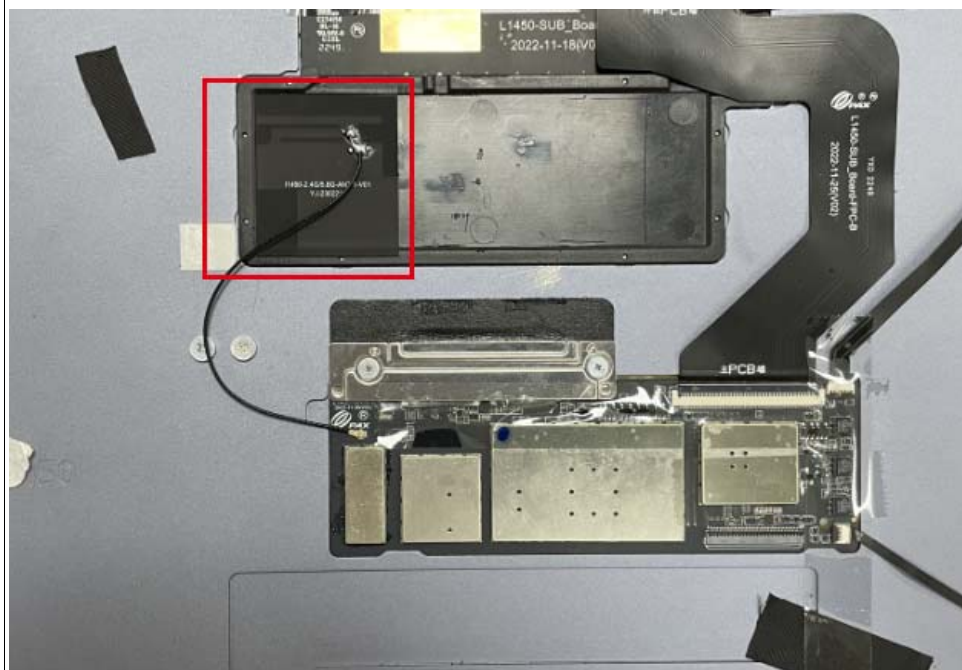
Device





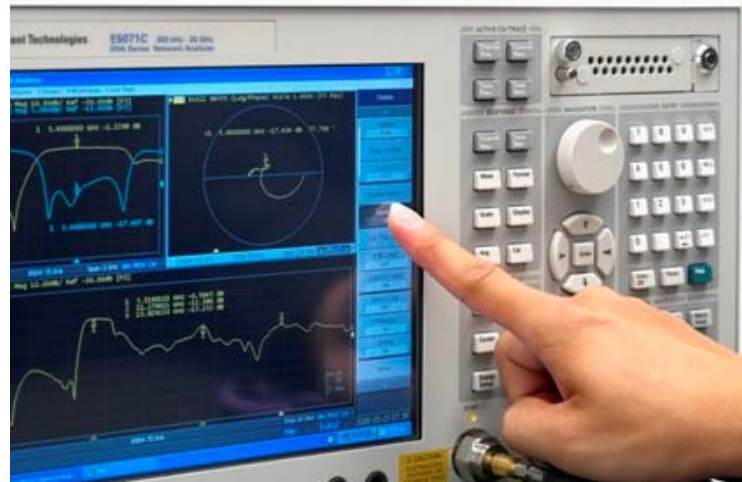
2. WiFi Antenna Test

WiFi Antenna

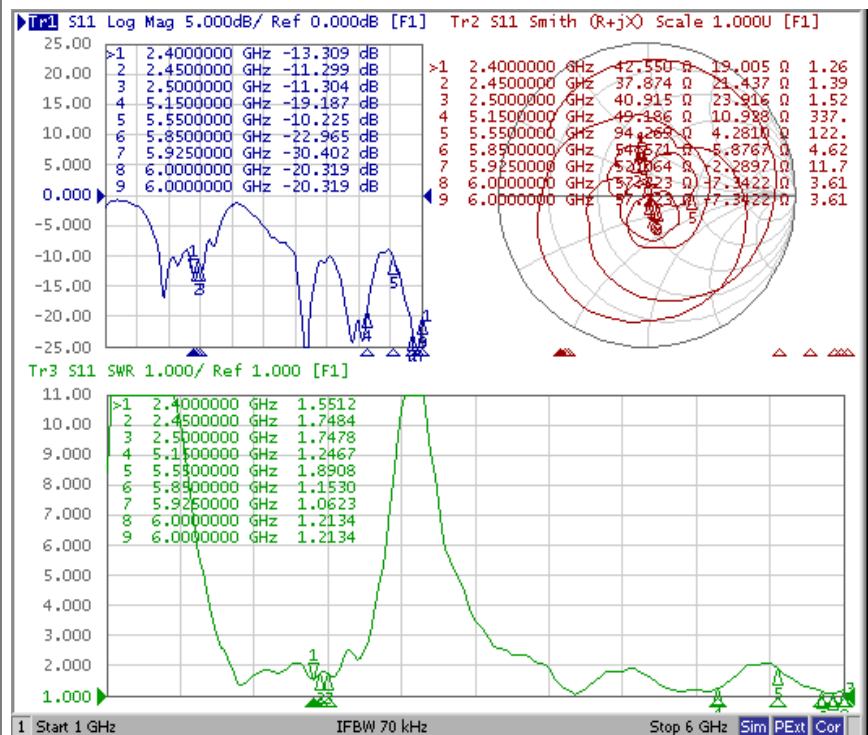




Agilent E5071B



S Parameter Test // WiFi Antenna





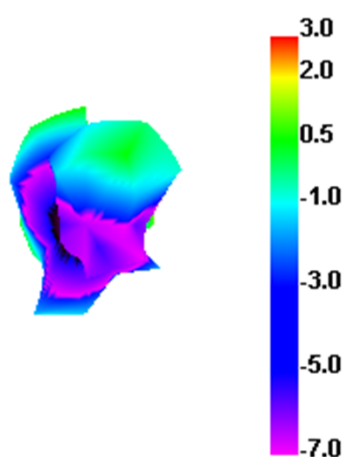
Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	39.88	-3.99	2.96
2410	40.14	-3.96	3
2420	40.13	-3.97	3.02
2430	39.59	-4.02	2.9
2440	39.4	-4.05	2.81
2450	41.18	-3.85	2.95
2460	40.62	-3.91	2.79
2470	40.75	-3.9	2.52
2480	39.32	-4.05	2
2490	38.53	-4.14	1.89
2500	38.11	-4.19	1.91

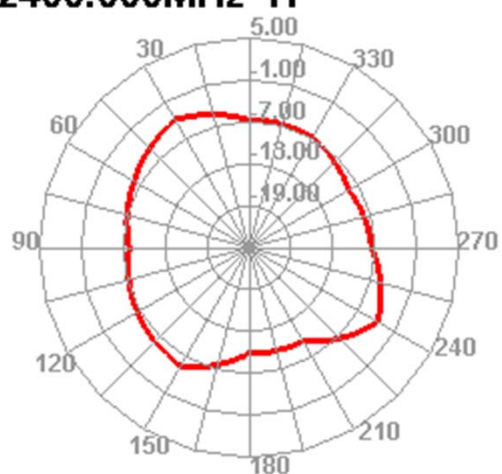


Radiation Pattern For WiFi Antenna(2400MHz)

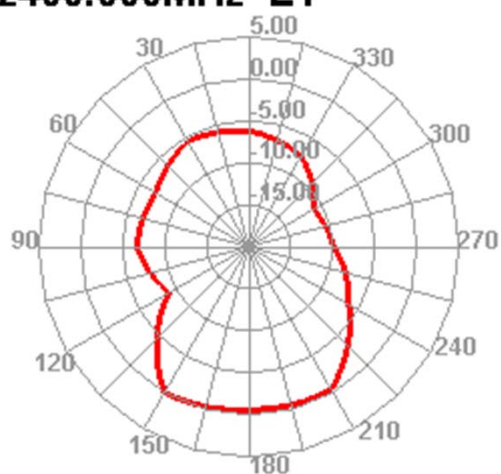
2400.000MHz



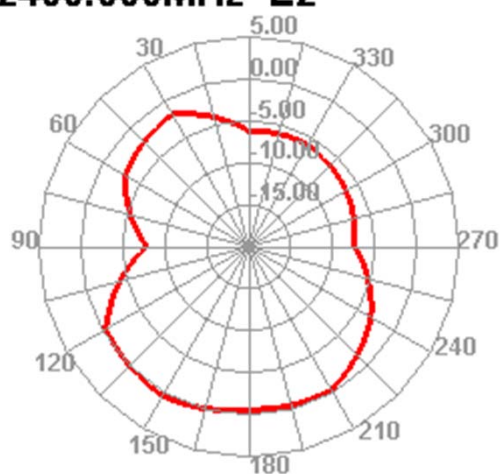
2400.000MHz H



2400.000MHz E1



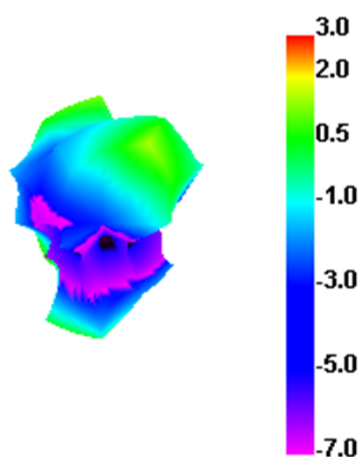
2400.000MHz E2



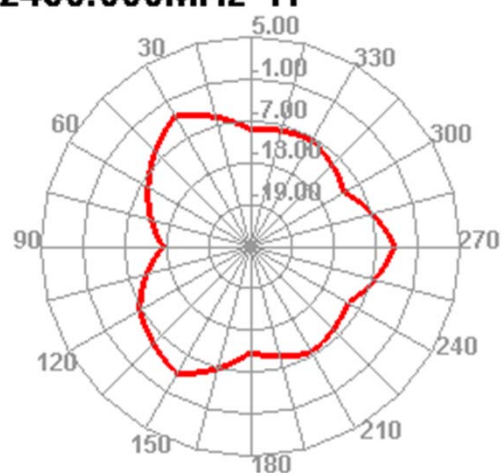


Radiation Pattern For WiFi Antenna(2450MHz)

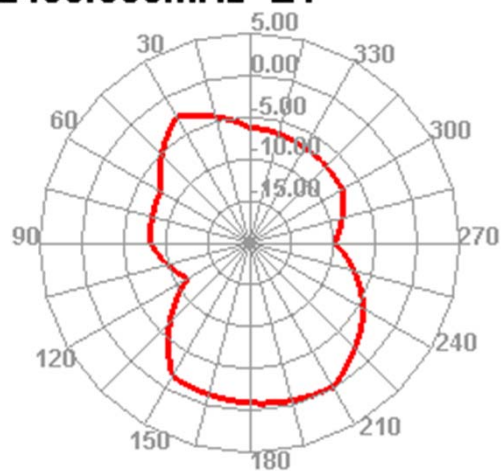
2450.000MHz



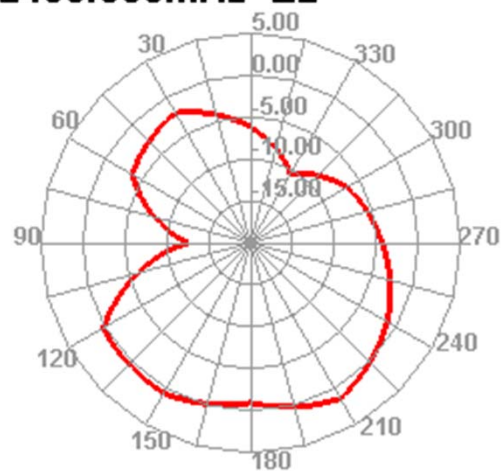
2450.000MHz H



2450.000MHz E1



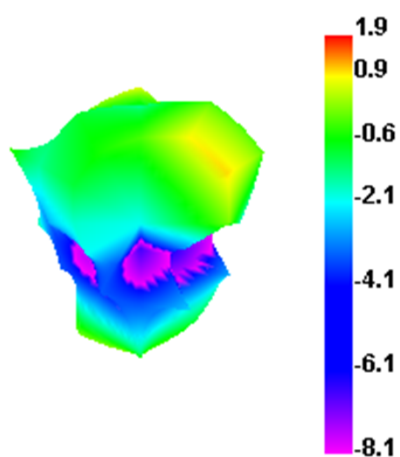
2450.000MHz E2



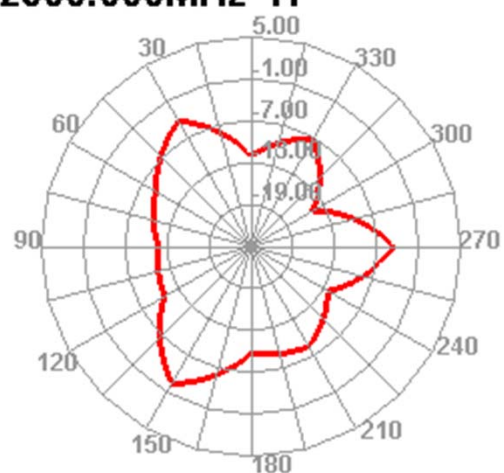


Radiation Pattern For WiFi Antenna(2490MHz)

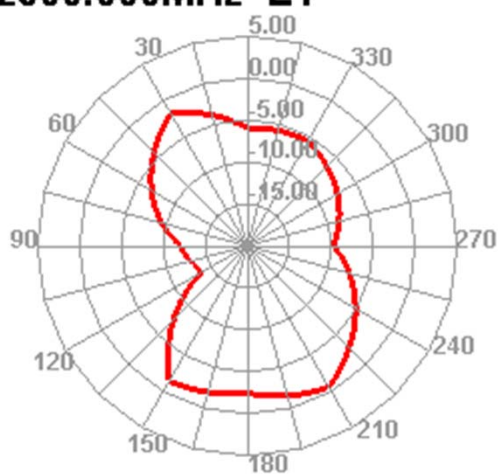
2500.000MHz



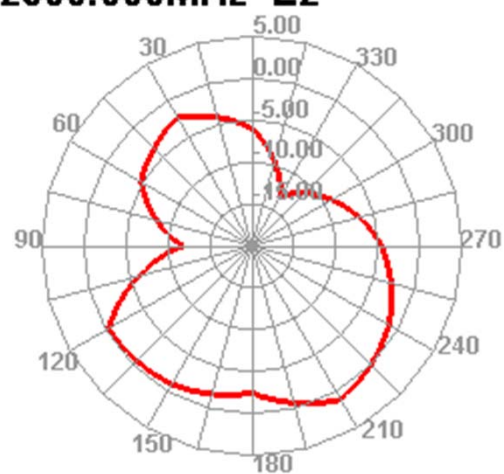
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





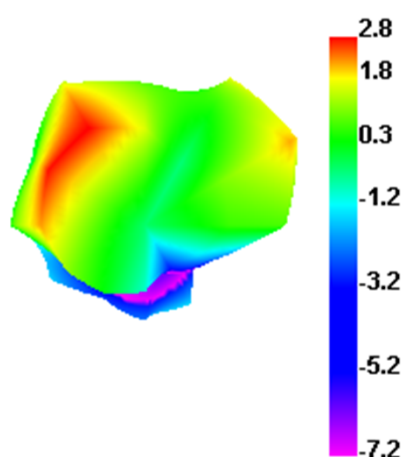
Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	34.95	-4.57	2.79
5200	37.46	-4.26	2.85
5250	36.95	-4.32	2.85
5300	35.19	-4.54	2.21
5350	31.1	-5.07	1.61
5400	29.43	-5.31	1.43
5450	30.01	-5.23	1.37
5500	31.57	-5.01	1.25
5550	32.48	-4.88	1.05
5600	37.48	-4.26	1.12
5650	51.58	-2.87	2.47
5700	46.72	-3.3	1.87
5750	45.39	-3.43	1.84
5800	38.88	-4.1	1.5
5850	36.07	-4.43	1.58

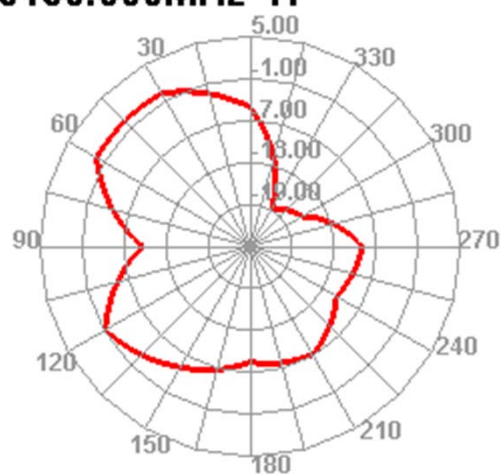


Radiation Pattern For WiFi Antenna(5150MHz)

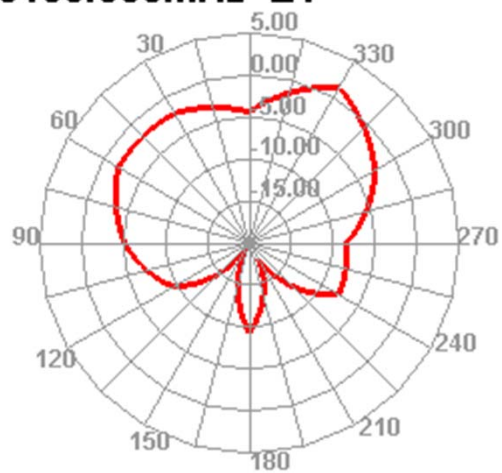
5150.000MHz



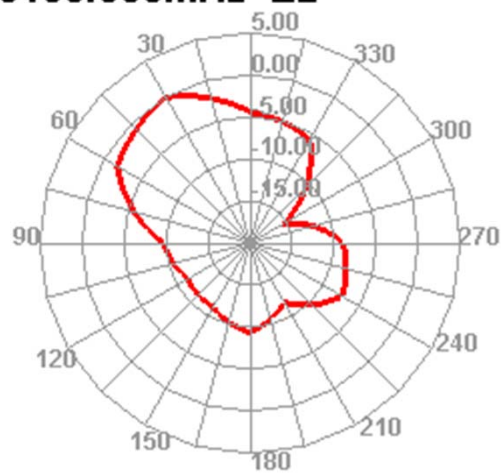
5150.000MHz H



5150.000MHz E1



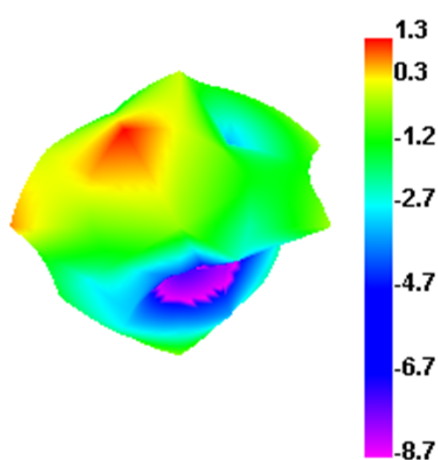
5150.000MHz E2



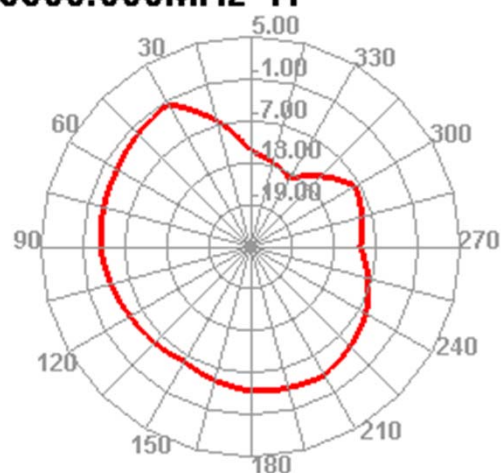


Radiation Pattern For WiFi Antenna(5500MHz)

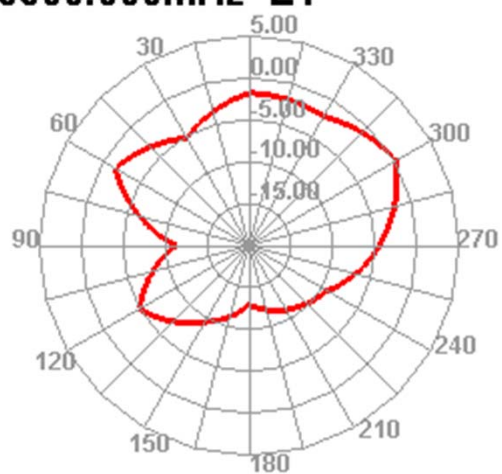
5500.000MHz



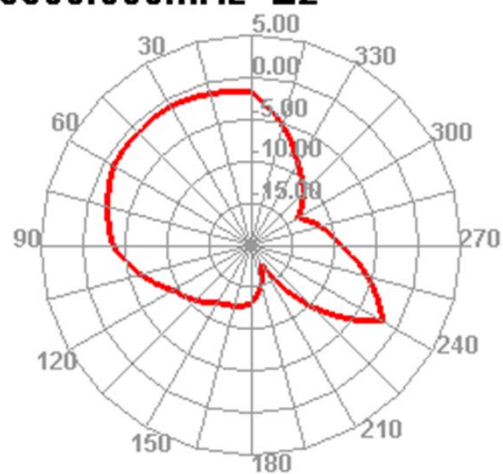
5500.000MHz H



5500.000MHz E1



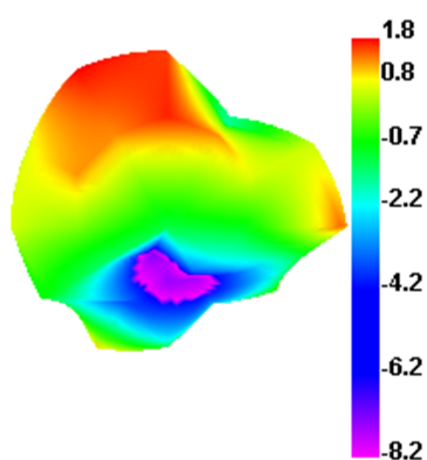
5500.000MHz E2



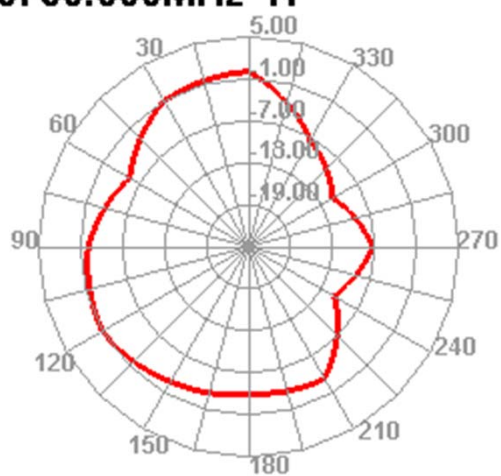


Radiation Pattern For WiFi Antenna(5750MHz)

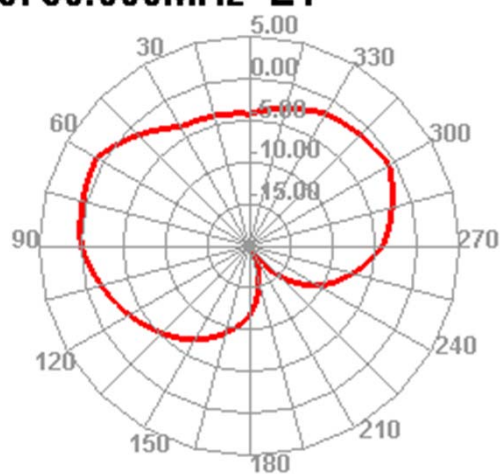
5750.000MHz



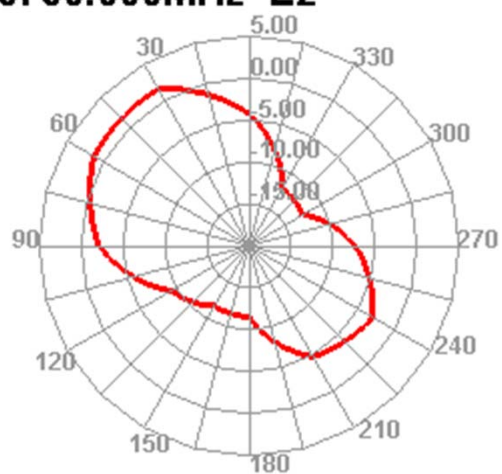
5750.000MHz H



5750.000MHz E1



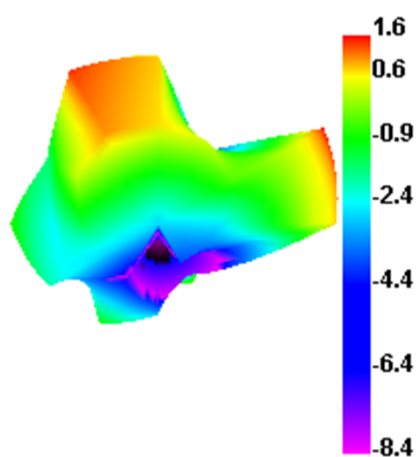
5750.000MHz E2



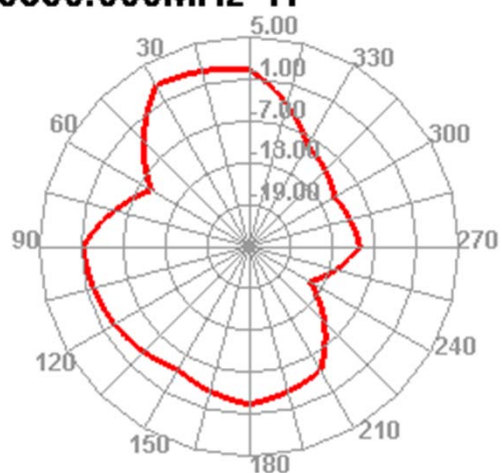


Radiation Pattern For WiFi Antenna(5850MHz)

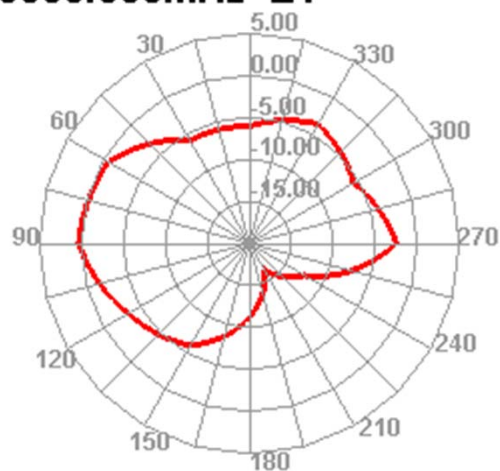
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

