

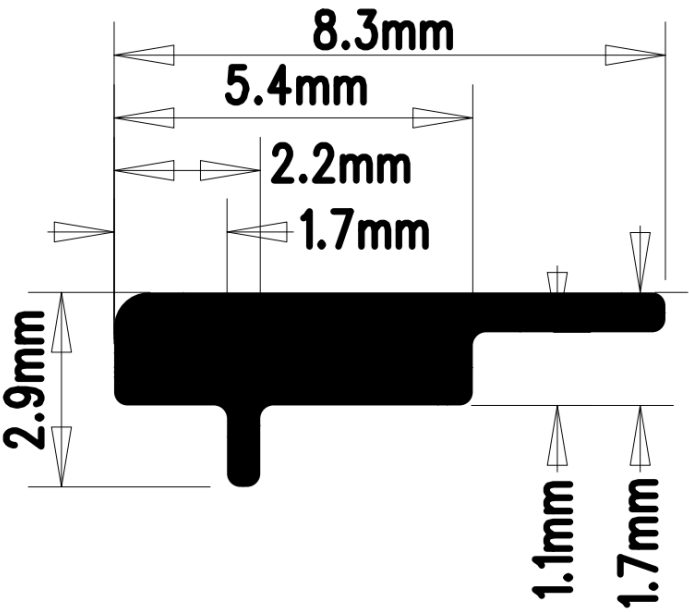
Antenna Specifications

1. Antenna Specifications

Manufacturer	Shenzhen Luhengda Electronics Co., Ltd
Address	201, No. 7, Dawang Industrial Zone, Dakang Community, Yuanshan Street, Longgang District, Shenzhen, China
Model Name	WIFI_5G_ANT
Antenna Type	PCB Antenna
Frequency	5000 – 5850 MHz
Maximum Gain	1.16 dBi
Polarization	Horizontal and Vertical
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ohm
VSWR	<1.2

2. Antenna Dimensions

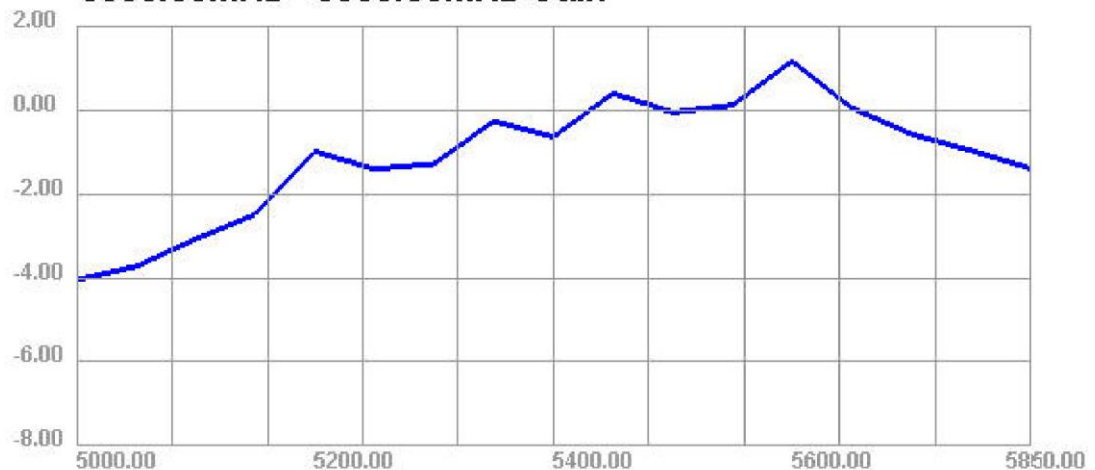
WIFI_5G_ANT

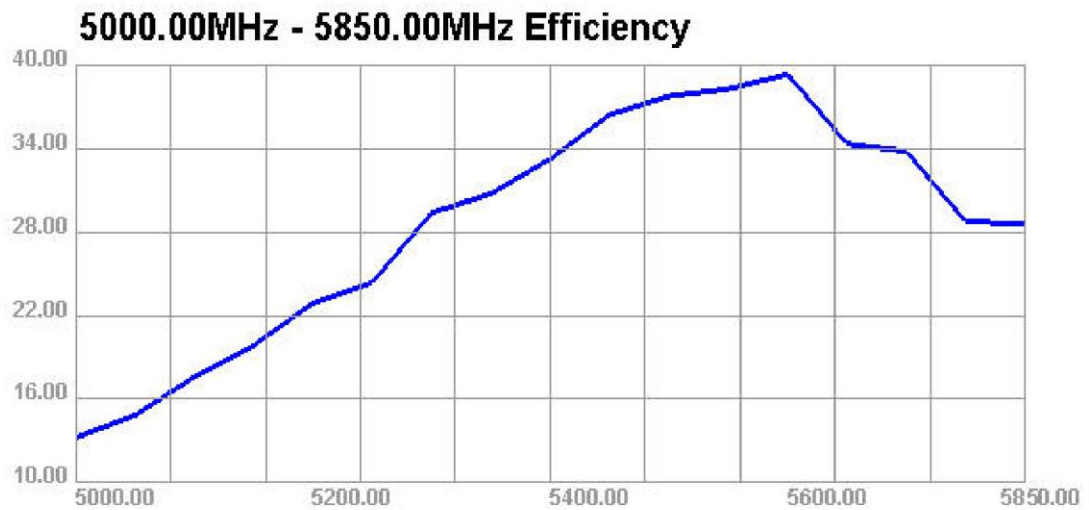


3. Antenna Gain & Efficiency

Passive Test For 5.8										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenuat Hor	Attenuat Ver
5000	13.24	-8.78	-4.05	-6.2	6.376	6.864	-4.05	-17.61	61.78	60.89
5050	14.85	-8.28	-3.73	-5.88	7.502	7.347	-3.73	-16.26	62.26	61.36
5100	17.59	-7.55	-3.07	-5.22	9.151	8.436	-3.07	-17.29	61.83	61
5150	19.85	-7.02	-2.48	-4.63	10.666	9.188	-2.48	-14.77	62.28	61.26
5200	22.91	-6.4	-0.99	-3.14	12.186	10.72	-0.99	-14.51	62.8	61.9
5250	24.38	-6.13	-1.4	-3.55	12.618	11.76	-1.4	-17.34	62.96	62.39
5300	29.39	-5.32	-1.28	-3.43	15.167	14.22	-1.28	-17.9	62.8	62.04
5350	30.76	-5.12	-0.26	-2.41	15.558	15.2	-0.26	-13.69	63.35	62.04
5400	33.26	-4.78	-0.64	-2.79	16.687	16.57	-0.64	-16.99	63.21	62.18
5450	36.43	-4.39	0.4	-1.75	18.161	18.27	0.4	-15.6	64.06	63.28
5500	37.76	-4.23	-0.05	-2.2	19.458	18.31	-0.05	-21.77	64.32	63.01
5550	38.28	-4.17	0.11	-2.04	20.941	17.34	0.11	-17.07	65.06	63.95
5600	39.34	-4.05	1.16	-0.99	21.781	17.56	1.16	-20.99	65.91	65.06
5650	34.34	-4.64	0.05	-2.1	20.456	13.88	0.05	-20.91	65.59	65.05
5700	33.8	-4.71	-0.57	-2.72	19.256	14.54	-0.57	-18.3	65.3	64.92
5750	28.75	-5.41	-0.96	-3.11	16.606	12.15	-0.96	-19.37	65.19	64.75
5850	28.6	-5.44	-1.39	-3.54	16.447	12.15	-1.39	-17.2	65.79	65.14

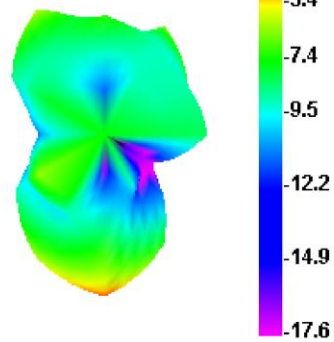
5000.00MHz - 5850.00MHz Gain



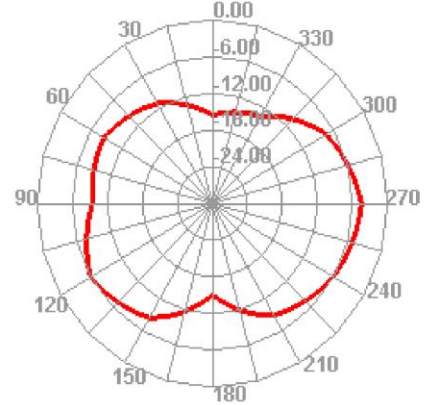


4. 2D/3D Radiated Pattern

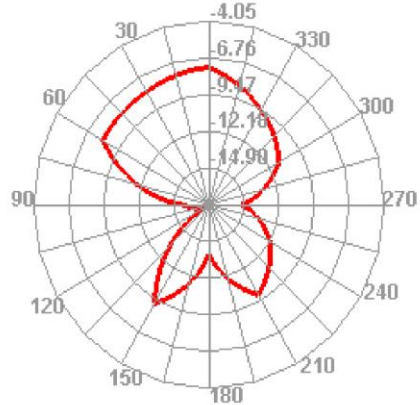
5000.000MHz



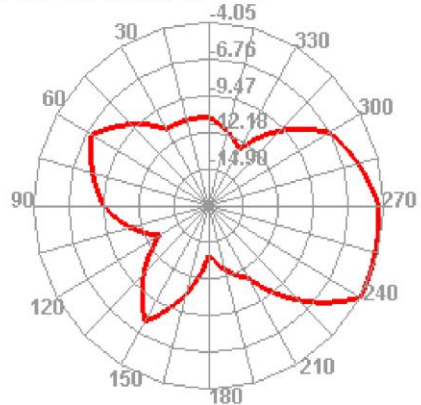
5000.000MHz H



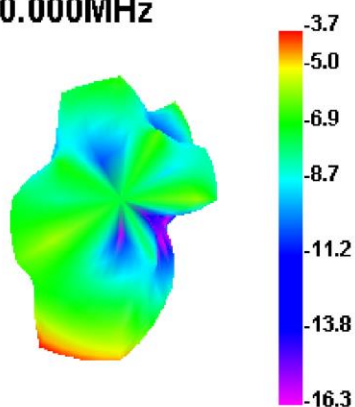
5000.000MHz E1



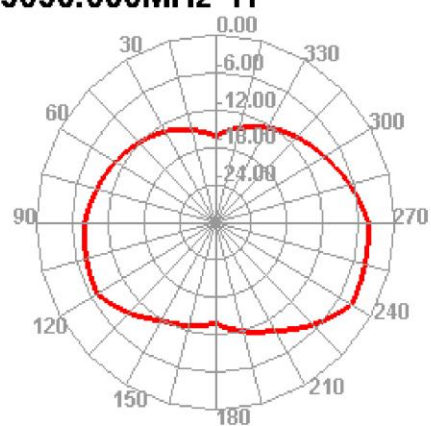
5000.000MHz E2



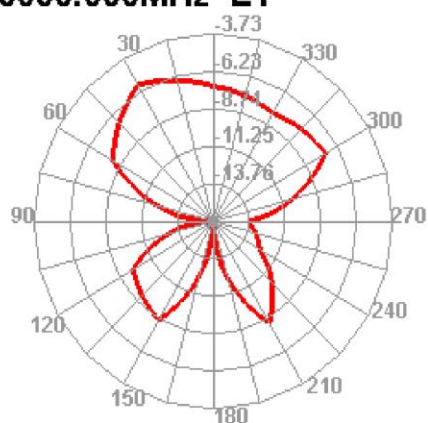
5050.000MHz



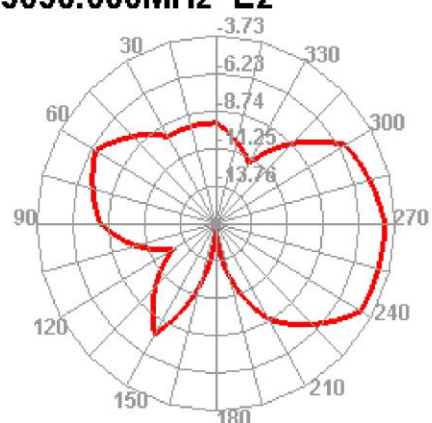
5050.000MHz H



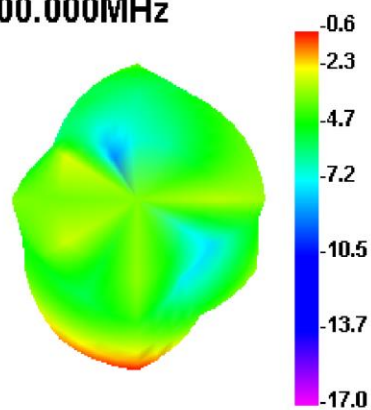
5050.000MHz E1



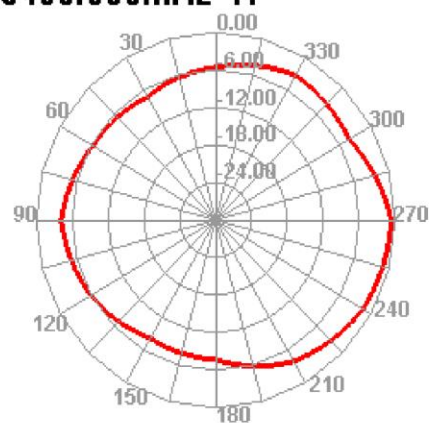
5050.000MHz E2



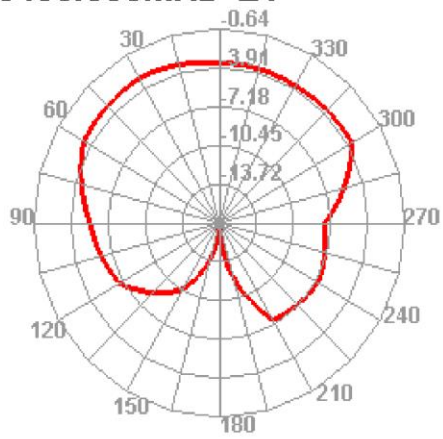
5400.000MHz



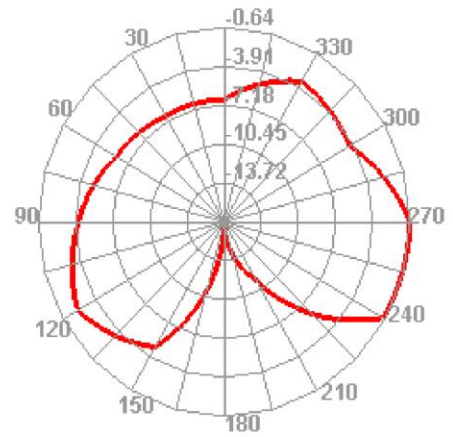
5400.000MHz H



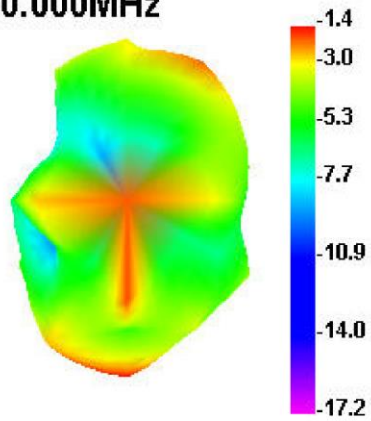
5400.000MHz E1



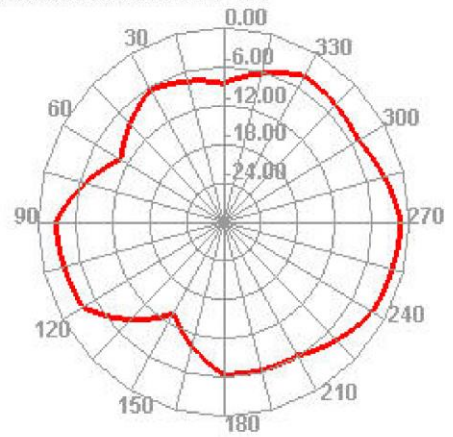
5400.000MHz E2



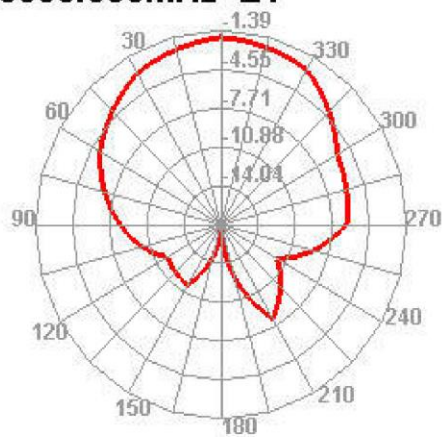
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

