

DJI Antenna Datasheet

HG224 WiFi Antenna

2025-6-24

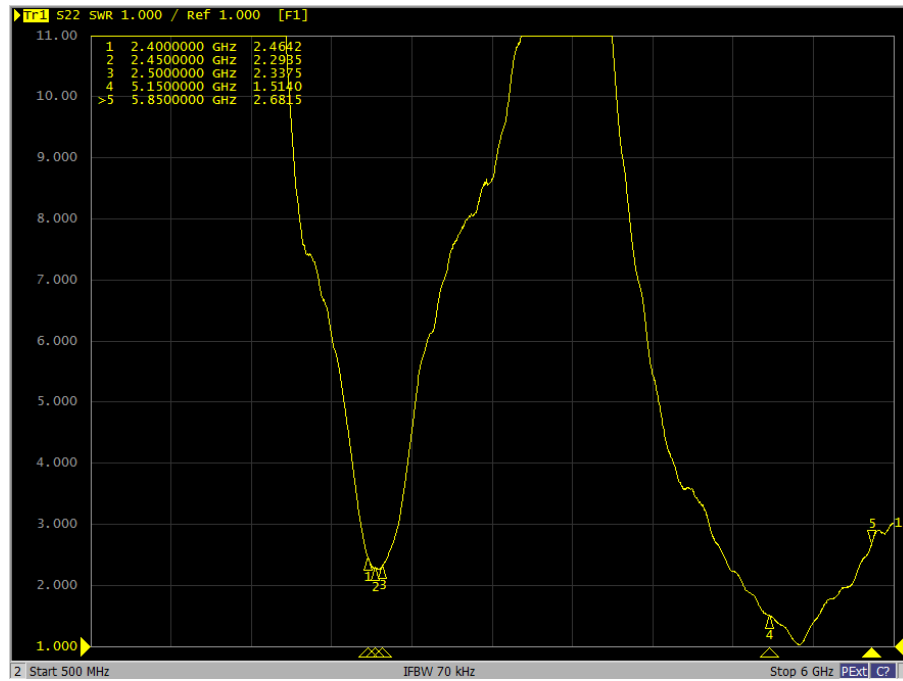


DJI Antenna Datasheet Ant0

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	HG224 WiFi ANT0		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.400~2.483GHz;</u> <u>5.150~5.250GHz;</u> <u>5.725~5.850GHz;</u>		
4	Connector Type	Spring Finger		
5	Impedance	50ohm		
6	Gain	<u>-0.46dBi @2.45GHz;</u> <u>2.89dBi @5.20GHz;</u> <u>-0.78dBi @5.80GHz;</u>		
7	Efficiency	<u>32%@2.400~2.483GHz;</u> <u>42%@5.150~5.250GHz;</u> <u>40%@5.725~5.850GHz;</u>		
8	VSWR	≤3		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	Monopole		
13	Manufacturer	1.INPAQ Technology Co., Ltd. 2.KunShan Innwave Communication Technology Co., Ltd.		

2、 Gain & Efficiency

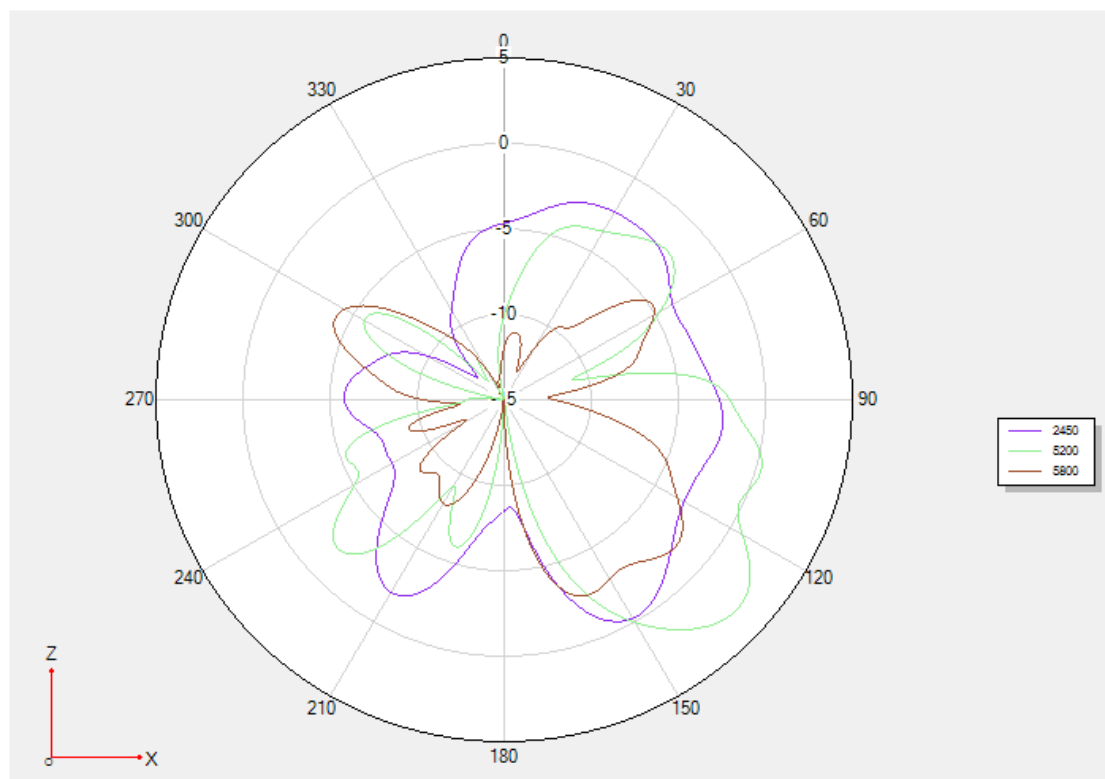


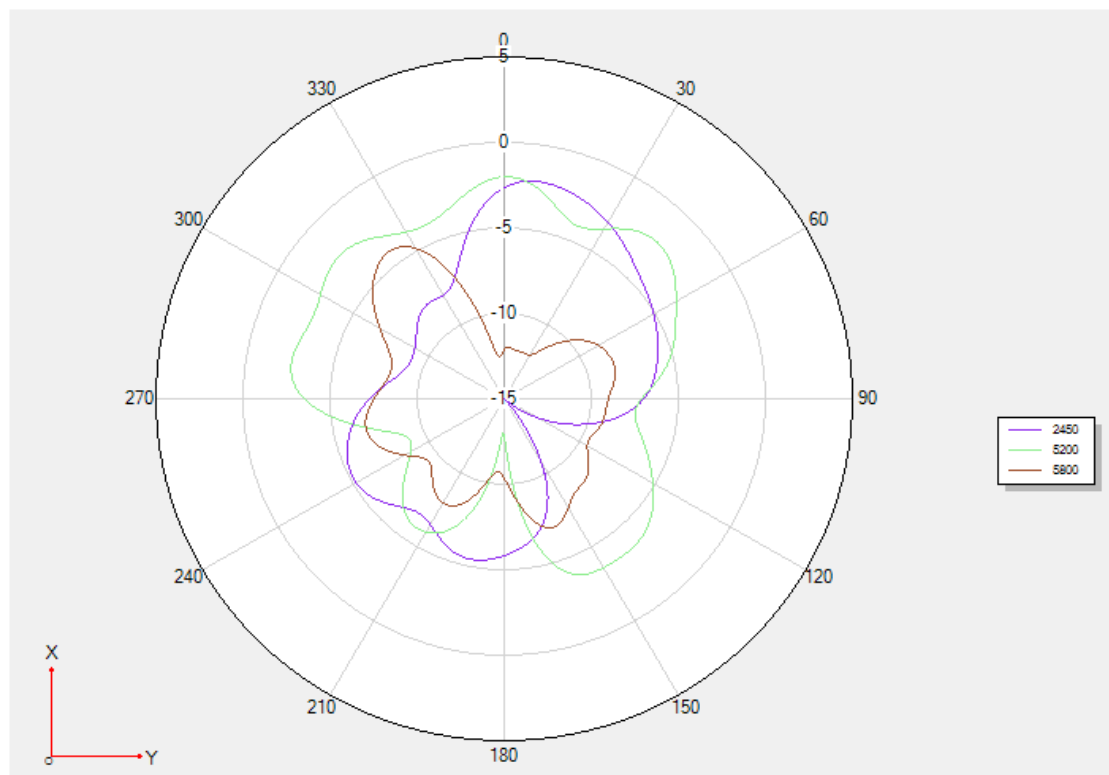
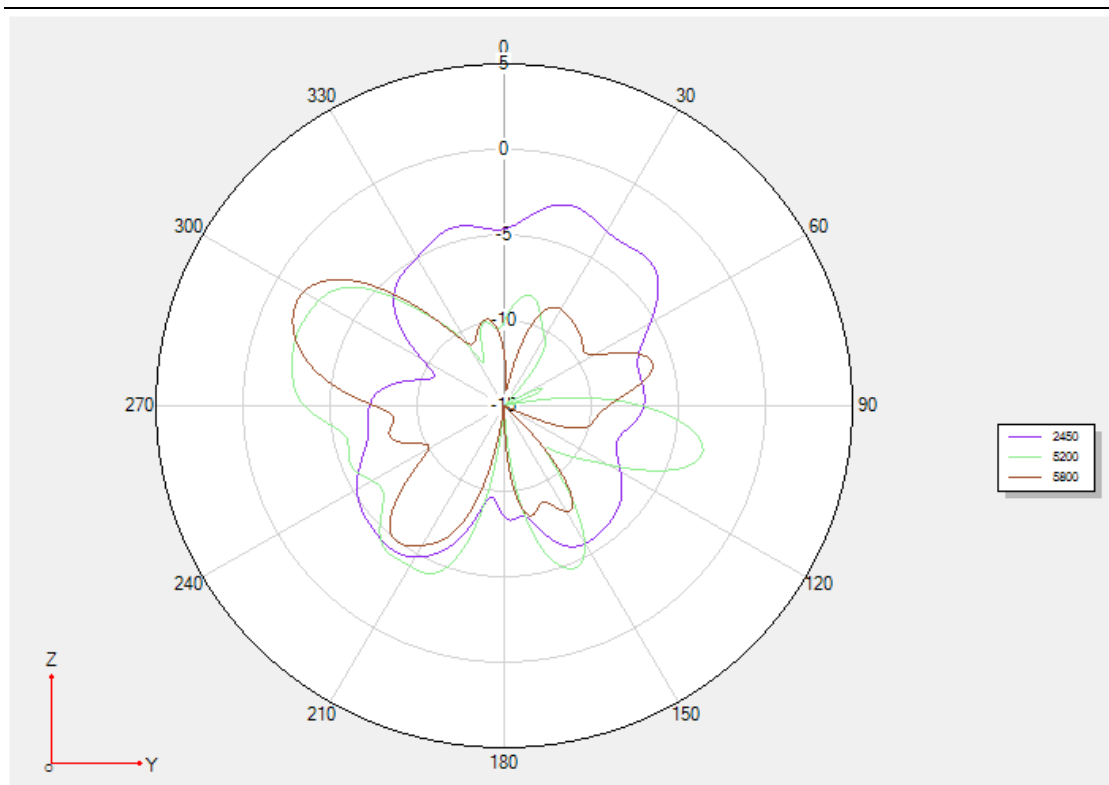
WiFi_ANT0			
Frequency/MHz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-4.92	32.21	-0.76
2410	-4.87	32.58	-0.84
2420	-4.79	33.19	-0.70
2430	-4.75	33.5	-0.54
2440	-4.88	32.51	-0.95
2450	-4.82	32.96	-0.46
2460	-4.92	32.21	-1.19
2470	-4.80	33.11	-0.68
2480	-4.90	32.36	-1.48
2490	-4.80	33.11	-1.11
2500	-4.85	32.73	-1.60
5000	-4.02	39.63	1.83
5050	-3.69	42.76	1.32
5100	-3.84	41.30	1.17
5150	-3.66	43.05	2.14
5200	-3.75	42.17	2.89
5250	-3.75	42.17	2.38

5300	-3.94	40.36	2.01
5350	-3.65	43.15	2.53
5400	-3.53	44.36	2.37
5450	-3.94	40.36	1.54
5500	-3.56	44.06	0.39
5550	-3.50	44.67	0.32
5600	-3.96	40.18	1.09
5650	-3.53	44.36	0.64
5700	-4.22	37.84	-0.76
5750	-3.76	42.07	-0.78
5800	-4.39	36.39	-1.21
5850	-3.56	44.06	-1.75
5900	-4.38	36.48	-1.63
5950	-4.91	32.28	-1.23
6000	-4.71	33.81	-1.03

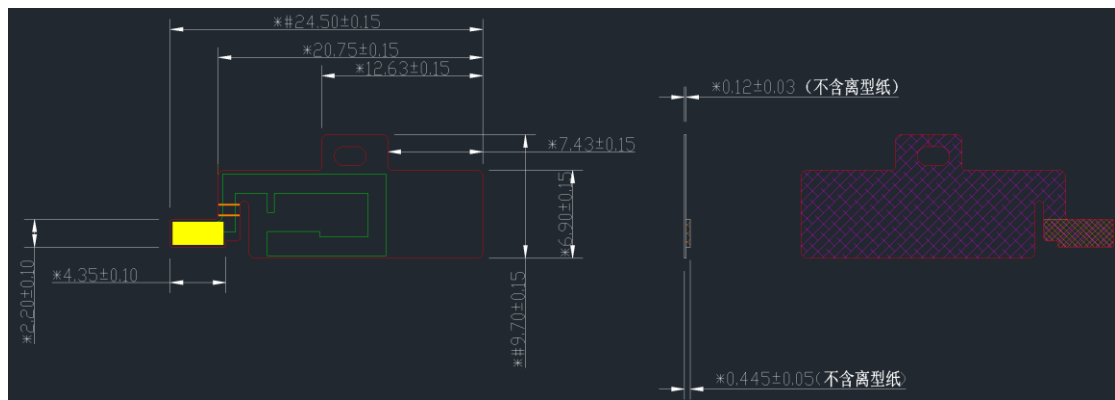
3、 Antenna Pattern

Antenna Pattern:





4、 Antenna drawing



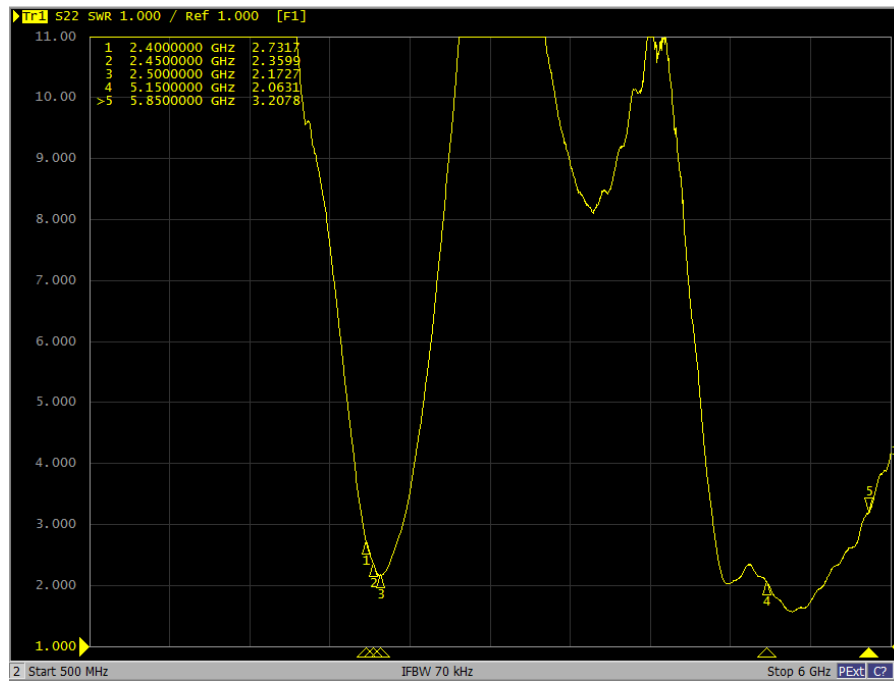


DJI Antenna Datasheet Ant1

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	HG224 WiFi ANT1		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.400~2.483GHz;</u> <u>5.150~5.250GHz;</u> <u>5.725~5.850GHz;</u>		
4	Connector Type	Spring Finger		
5	Impedance	50ohm		
6	Gain	<u>-0.95dBi@2.45GHz;</u> <u>0.76dBi @5.20GHz;</u> <u>-0.75dBi @5.80GHz;</u>		
7	Efficiency	<u>26%@2.400~2.483GHz;</u> <u>41%@5.150~5.250GHz;</u> <u>33%@5.725~5.850GHz;</u>		
8	VSWR	≤ 3		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	Monopole		
13	Manufacturer	1.INPAQ Technology Co., Ltd. 2.KunShan Innowave Communication Technology Co., Ltd.		

2、 Gain & Efficiency

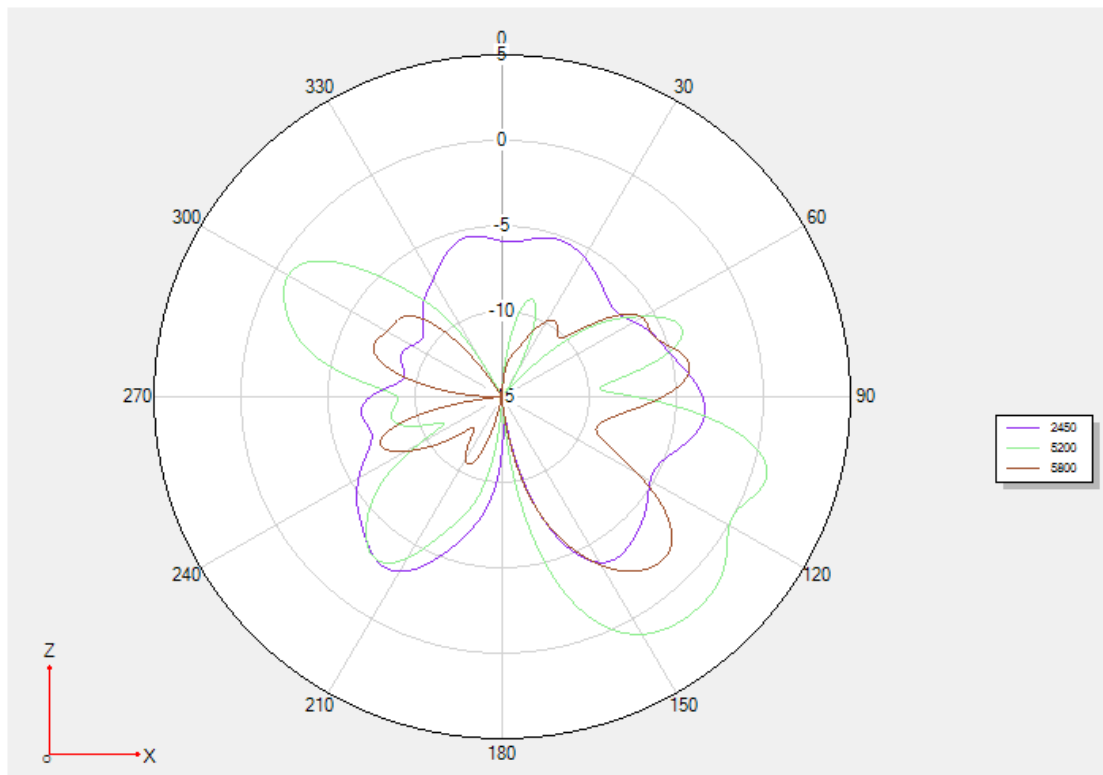


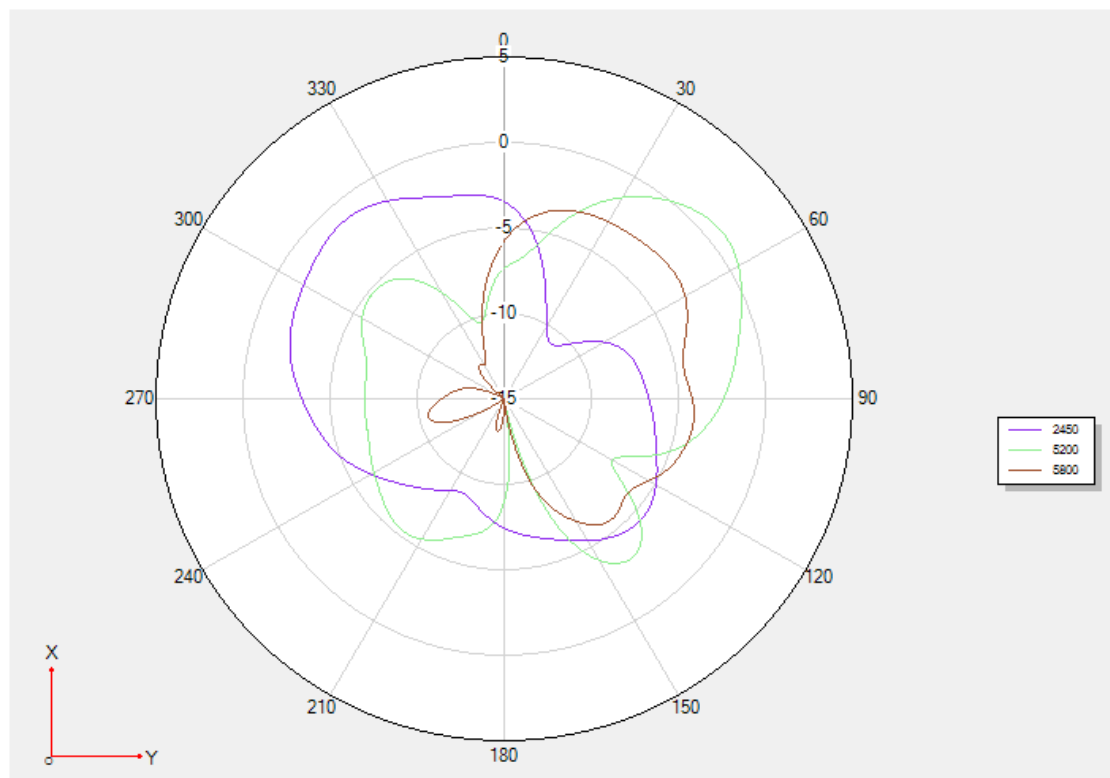
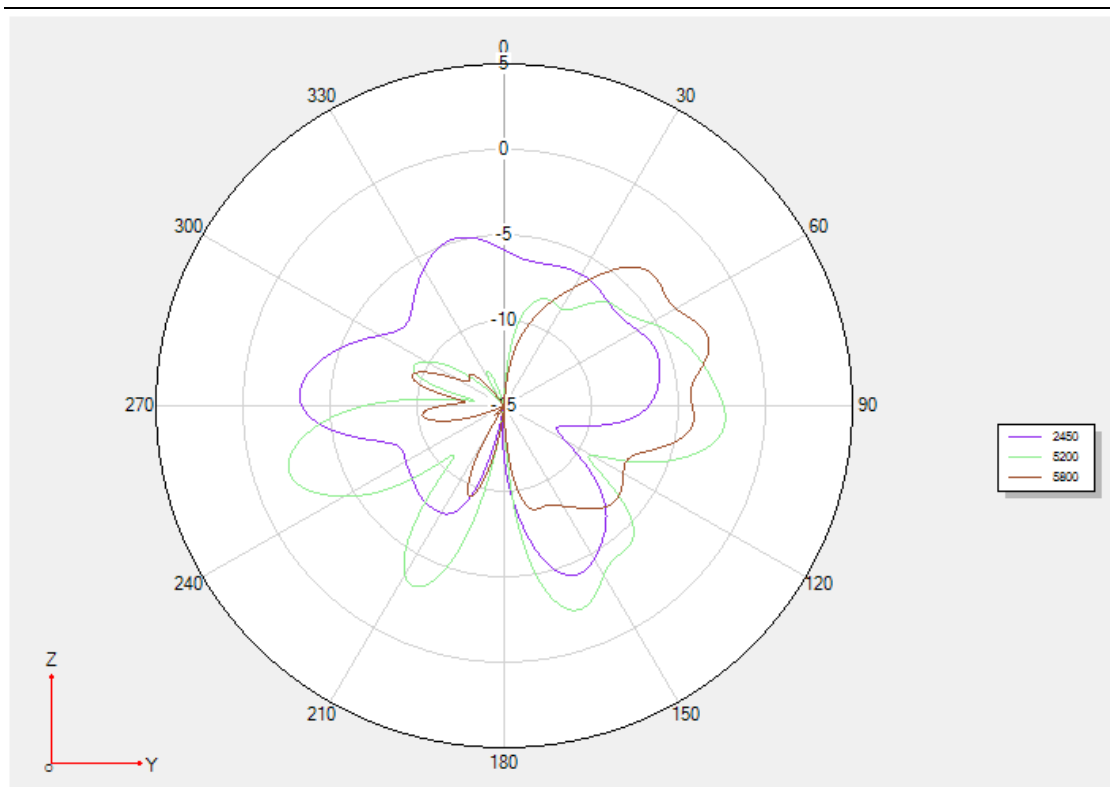
WiFi_ANT1			
Frequency/MHz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-6.01	25.06	-1.28
2410	-5.90	25.70	-1.47
2420	-5.75	26.61	-0.95
2430	-5.67	27.10	-1.20
2440	-5.69	26.98	-1.07
2450	-5.57	27.73	-1.10
2460	-5.66	27.16	-1.26
2470	-5.52	28.05	-1.07
2480	-5.66	27.16	-1.42
2490	-5.55	27.86	-1.11
2500	-5.66	27.16	-1.57
5000	-4.24	37.67	0.21
5050	-4.10	38.90	0.14
5100	-4.17	38.28	-0.06
5150	-3.95	40.27	0.24

5200	-3.86	41.11	0.76
5250	-3.75	42.17	0.36
5300	-4.05	39.36	-0.04
5350	-3.56	44.06	0.72
5400	-3.53	44.36	0.46
5450	-3.77	41.98	-0.70
5500	-3.60	43.65	-1.14
5550	-3.75	42.17	-0.46
5600	-3.88	40.93	0.03
5650	-4.02	39.63	-0.68
5700	-4.47	35.73	-0.72
5750	-4.42	36.14	-0.75
5800	-4.95	31.99	-1.60
5850	-5.36	29.11	-1.82
5900	-5.16	30.48	-0.86
5950	-5.67	27.10	-0.30
6000	-5.78	26.42	0.25

3、 Antenna Pattern

Antenna Pattern:





4、 Antenna drawing

