

DJI Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	HB722 <u>WiFi Ant</u>		
2	Brand	DJI		
3	Operation Frequency	2.4~2.483GHz; 5.15~5.25GHz; 5.725~5.85GHz		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	Antenna0 : 2.14dBi@2.4~2.483GHz 1.34dBi@5.15~5.25GHz 2.45dBi@5.725~5.85GHz Antenna1 : 2.04dBi@2.4~2.483GHz 1.2dBi@5.15~5.25GHz 2.45dBi@5.725~5.85GHz		
7	Efficiency	≥25%		
8	VSWR	≤3		
9	Polarization type	Linear		
10	3dB Beam width	≥60deg		
11	Weight	1g		
12	Antenna type	IFA antenna		
13	Manufacture	Kunshan <u>Innowave</u>		

		Communication Technology Co., Ltd. INPAQ Technology (Suzhou) Co., Ltd		
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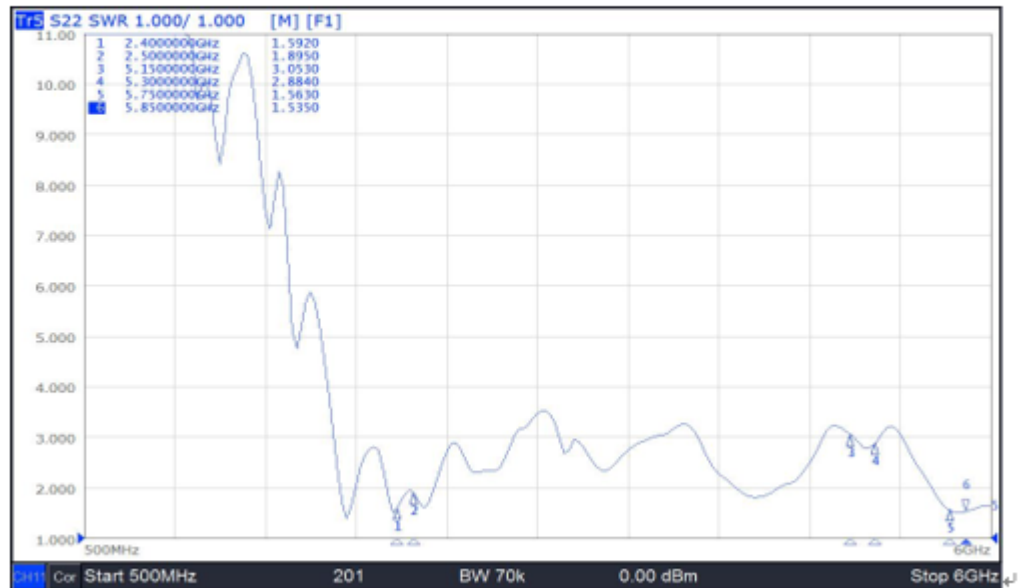
Antenna efficiency and gain:

	Antenna0		Antenna1	
Frequency	Efficiency	<u>Gain</u> , dB	Efficiency	<u>Gain</u> , dB
2400MHz	34	1.26	26	0.91
2410MHz	36	1.64	27	1.18
2420MHz	37	1.87	28	1.51
2430MHz	38	2.06	29	1.64
2440MHz	38	2.1	29	1.81
2450MHz	38	2.13	29	1.92
2460MHz	37	2.1	30	2.07
2470MHz	37	2.14	32	2.04
2480MHz	39	2.12	34	2.05
5150MHz	26	1.07	28	1.13
5200MHz	30	1.34	28	1.2
5250MHz	33	1.1	26	1.13
5725MHz	39	2.25	37	2.16

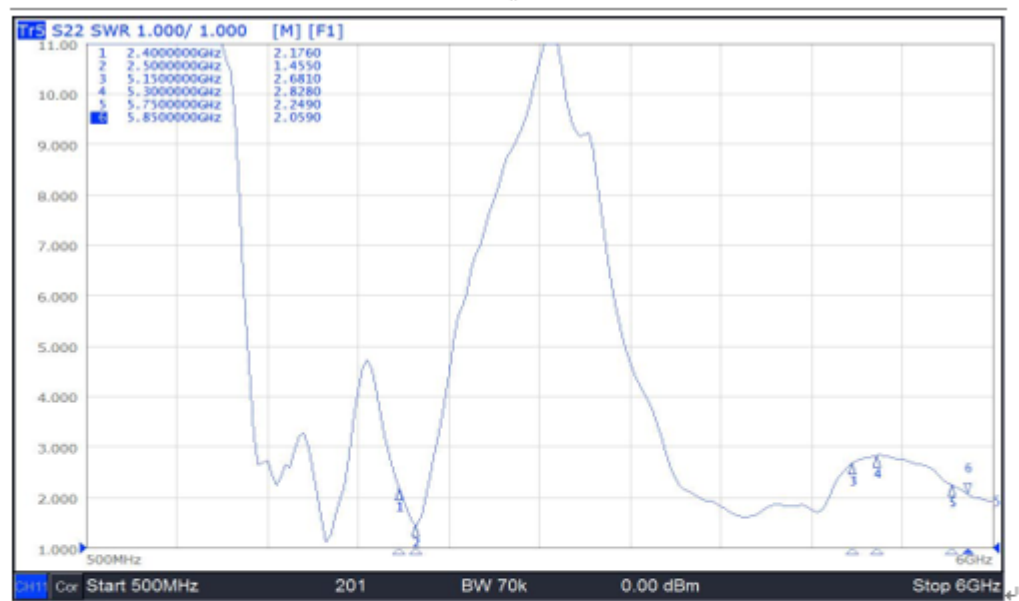
5750MHz↗	42↗	2.45↗	35↗	2.45↗	↗
5775MHz↗	36↗	2.08↗	29↗	2↗	↗
5800MHz↗	34↗	1.85↗	28↗	1.82↗	↗
5825MHz↗	35↗	2.05↗	30↗	2.14↗	↗
5850MHz↗	39↗	2.38↗	35↗	2.27↗	↗

2、 Antenna Return Loss/VSWR↗

Antenna0↗



Antenna1: ↗



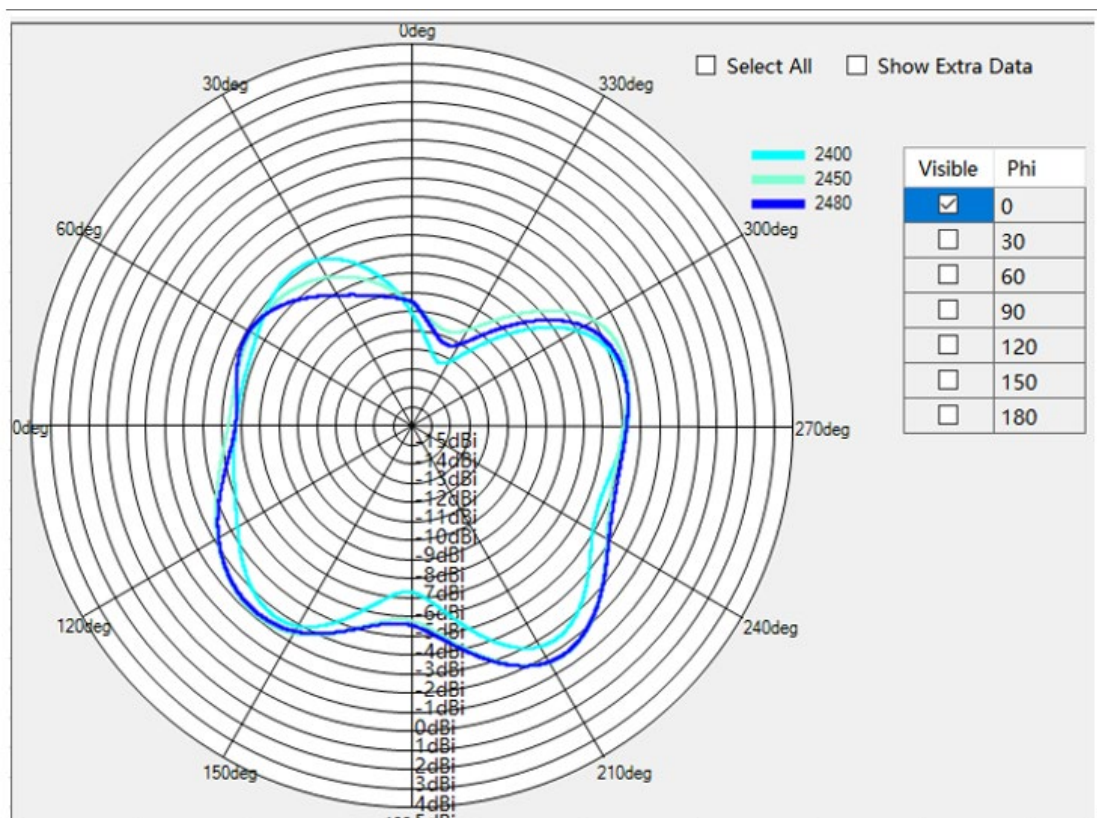
3、 Radiation Pattern

Test lab: Satimo SG24

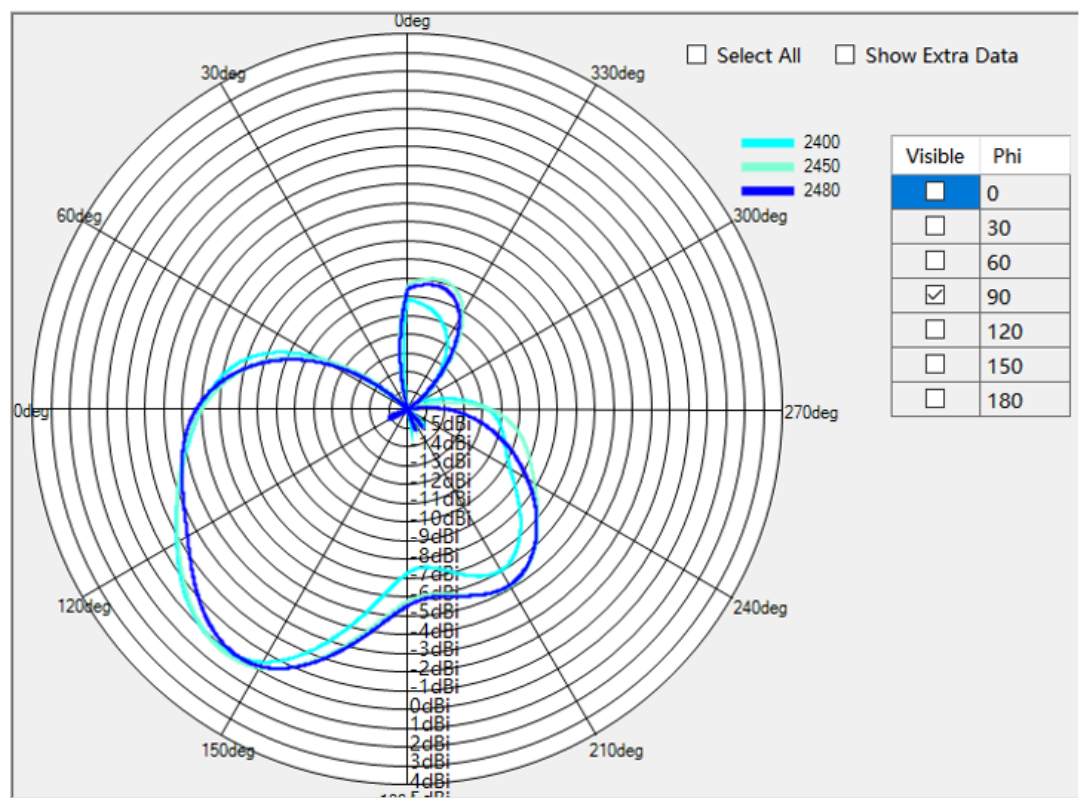
Test date: 2024/8/5

3.1 Wi-Fi antenna 2.4G radiation pattern

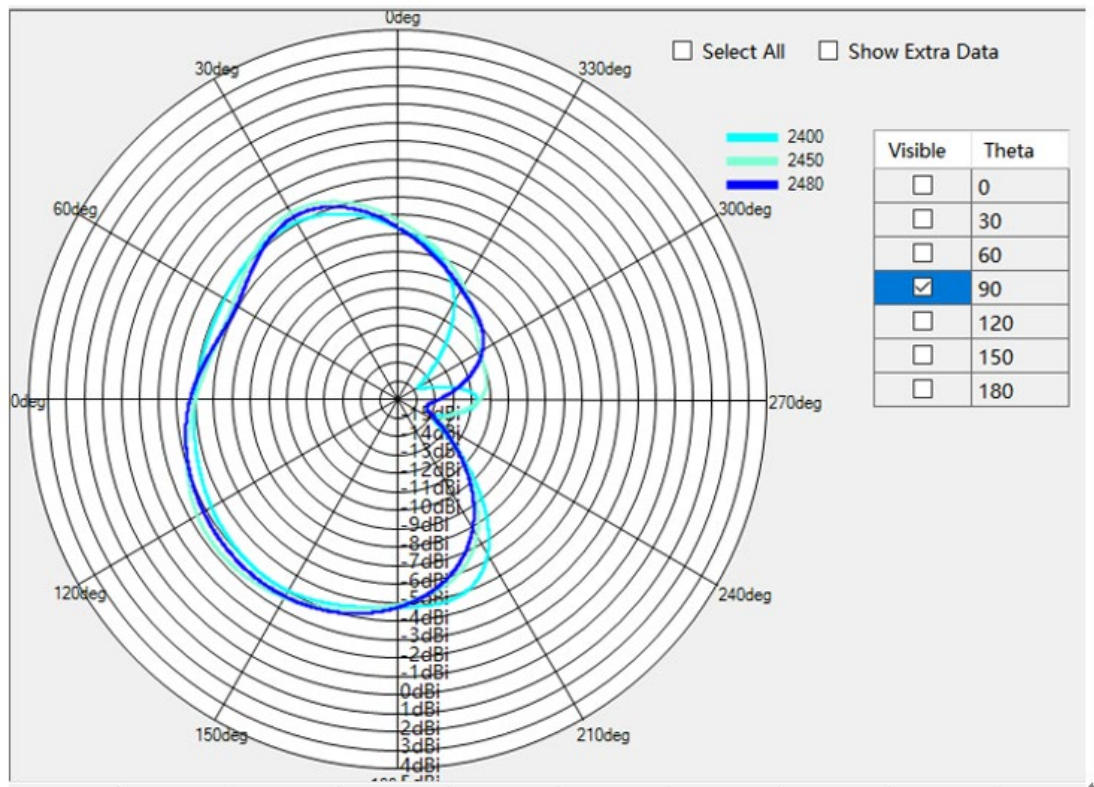
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Phi=90

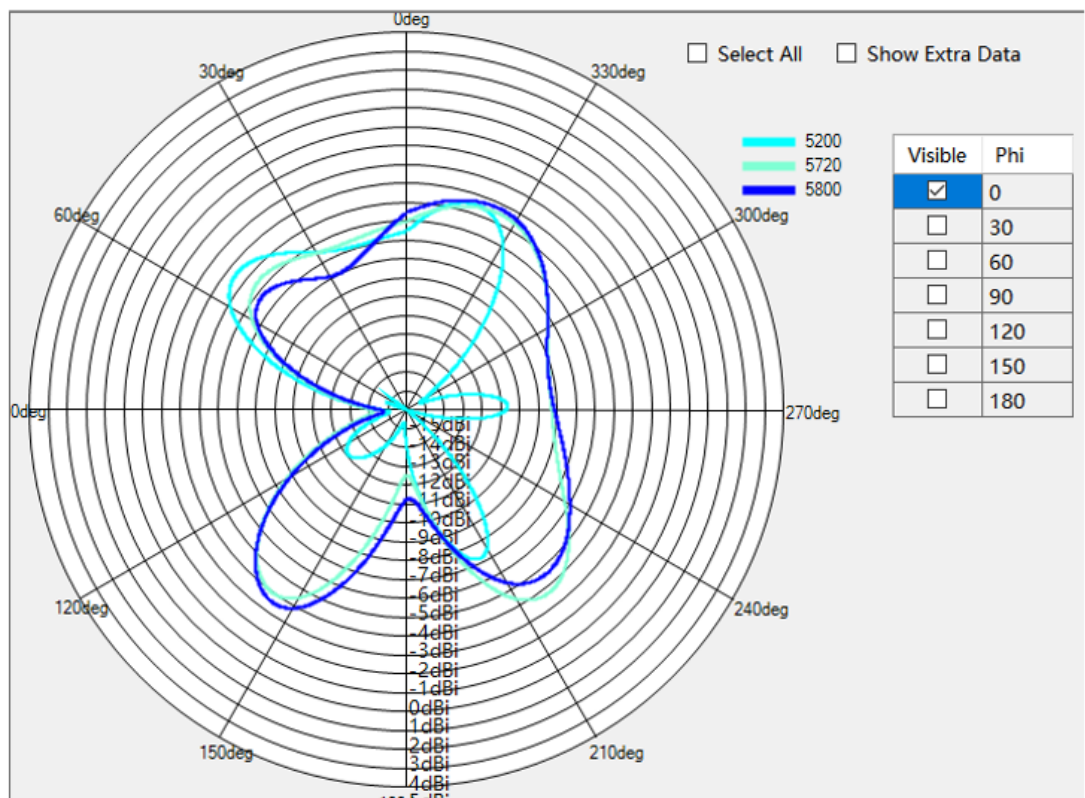


Theta=90

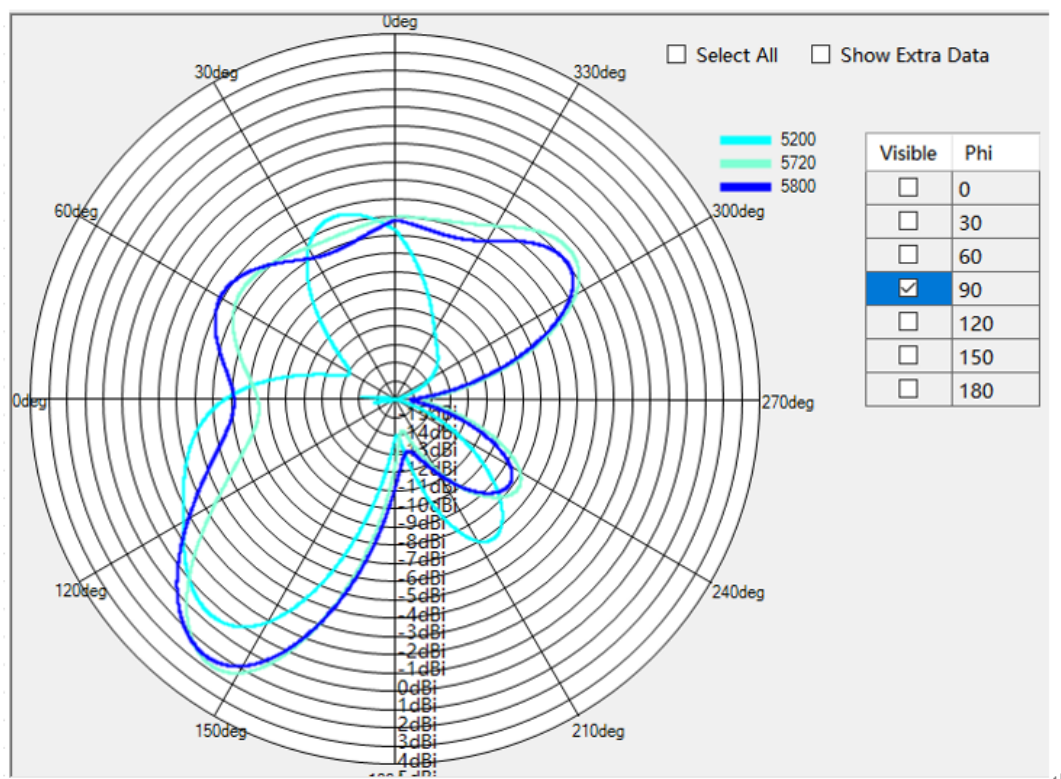


3.2 Wi-Fi antenna 5G radiation pattern

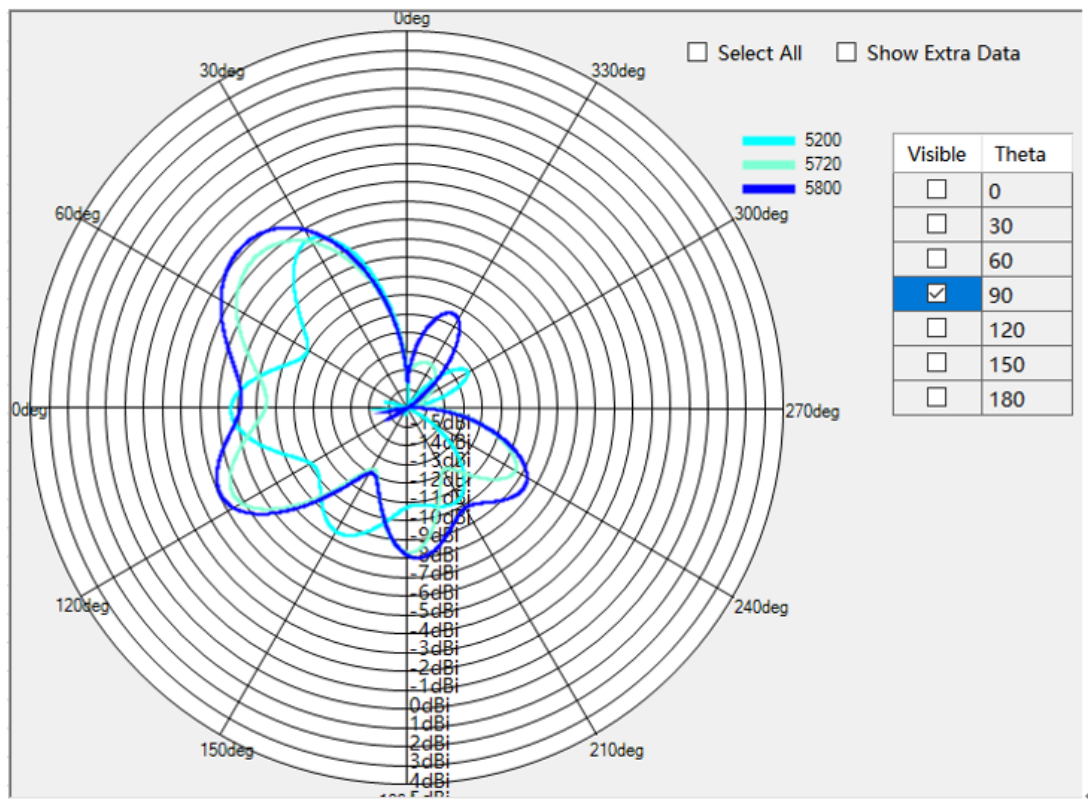
Phi=0



Phi=90



Theta=90



4 Structure drawing

