

DJI Antenna Datasheet

ZA530 lite antenna

2024-10-10



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Dave.li	2024.10.10

DJI Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	ZA530 lite SDR Ant		
2	Brand	DJI		
3	Operation Frequency	5.15~5.25GHz; 5.725~5.85GHz		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	1.5dBi@5.15~5.25GHz 1.5dBi@5.725~5.875GHz		
7	Efficiency	$\geq 40\%$		
8	VSWR	≤ 2		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight	1g		
12	Antenna type	Monopole		
13	Manufacture	Shenzhen ZTX Communication Technology Co., LTD.		



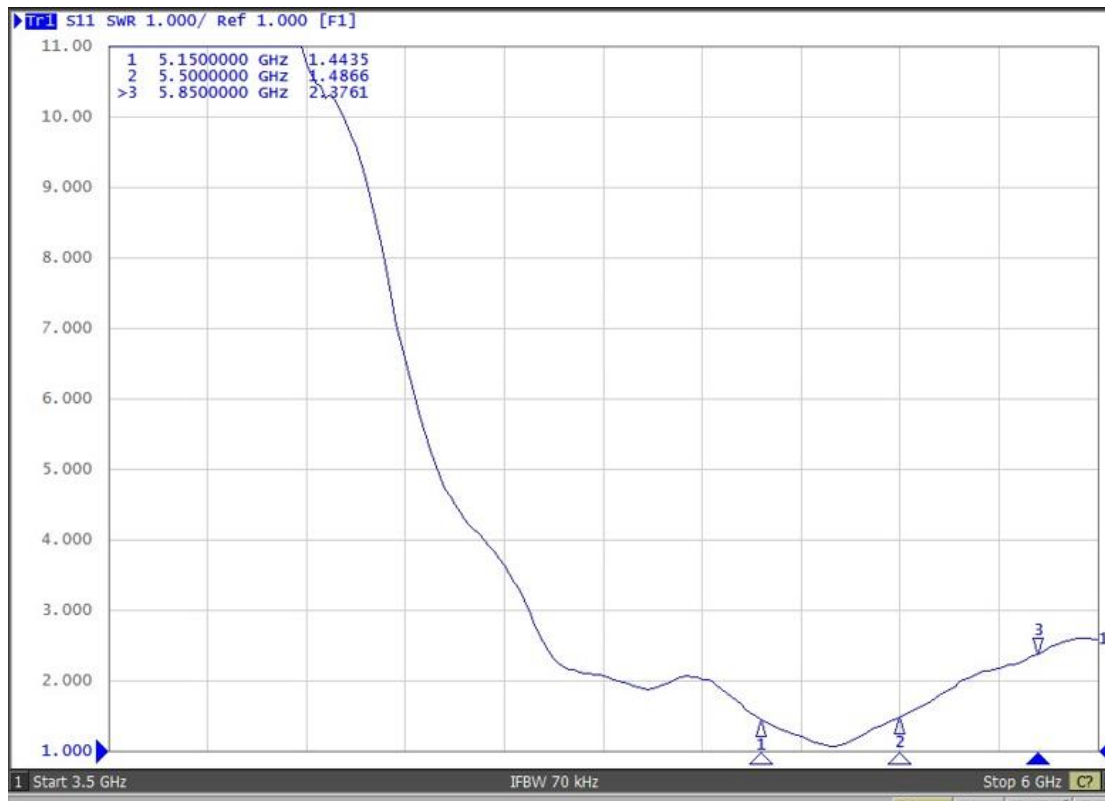
Antenna efficiency and gain:

频率	增益	效率
5150MHz	1.44	54%
5200MHz	1.5	56%
5250MHz	1.42	60%
5725MHz	1.03	58%
5750MHz	1.15	61%
5775MHz	1.14	62%
5800MHz	1.28	64%
5825MHz	1.5	62%
5850MHz	1.35	60%

2、 Antenna Return Loss/VSWR

2.1 antenna VSWR

Mark(GHz)	5.15	5.725	5.85
VSWR	1.44	1.49	2.38



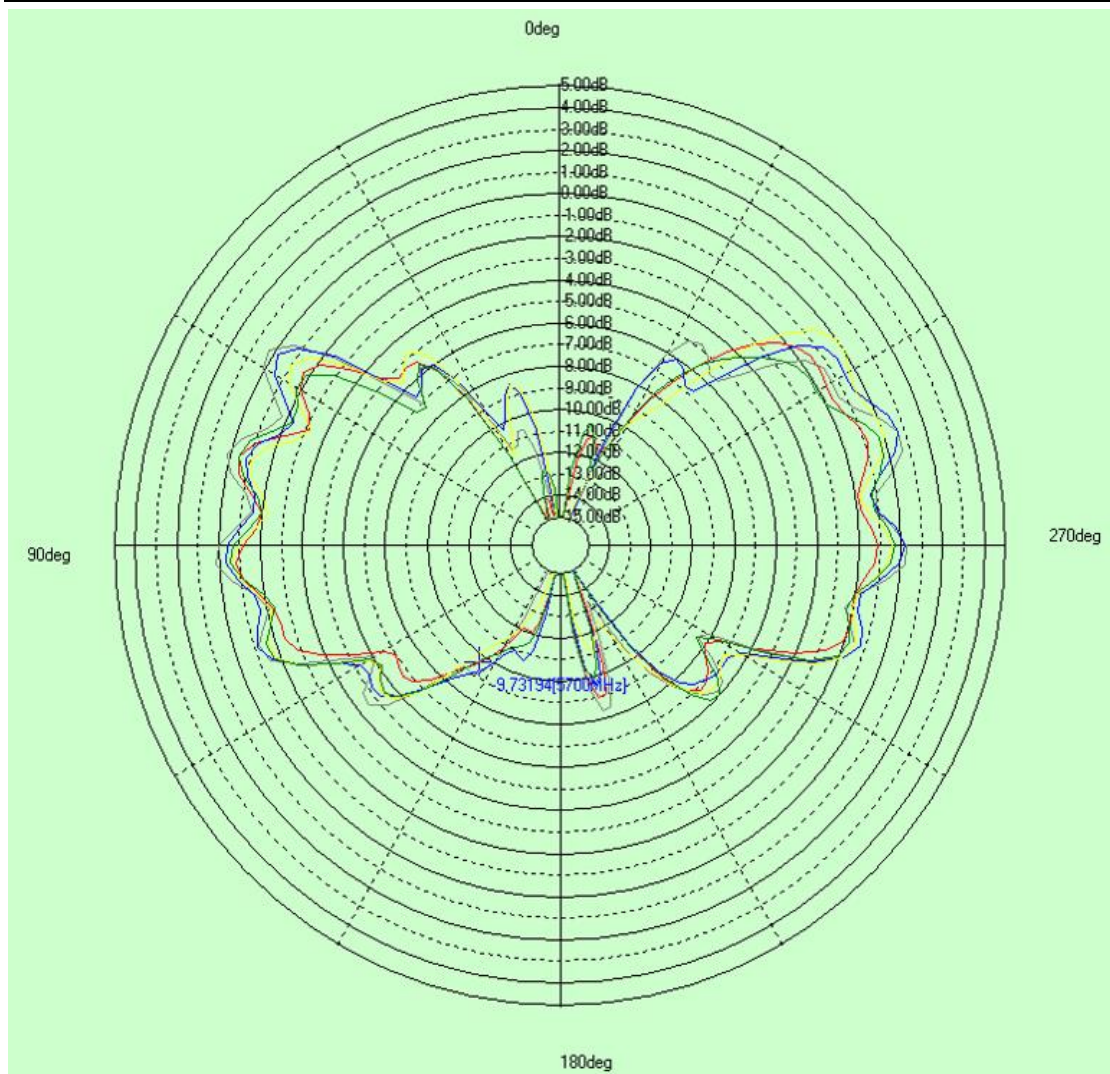
3、 Radiation Pattern

Test lab: Satimo SG24

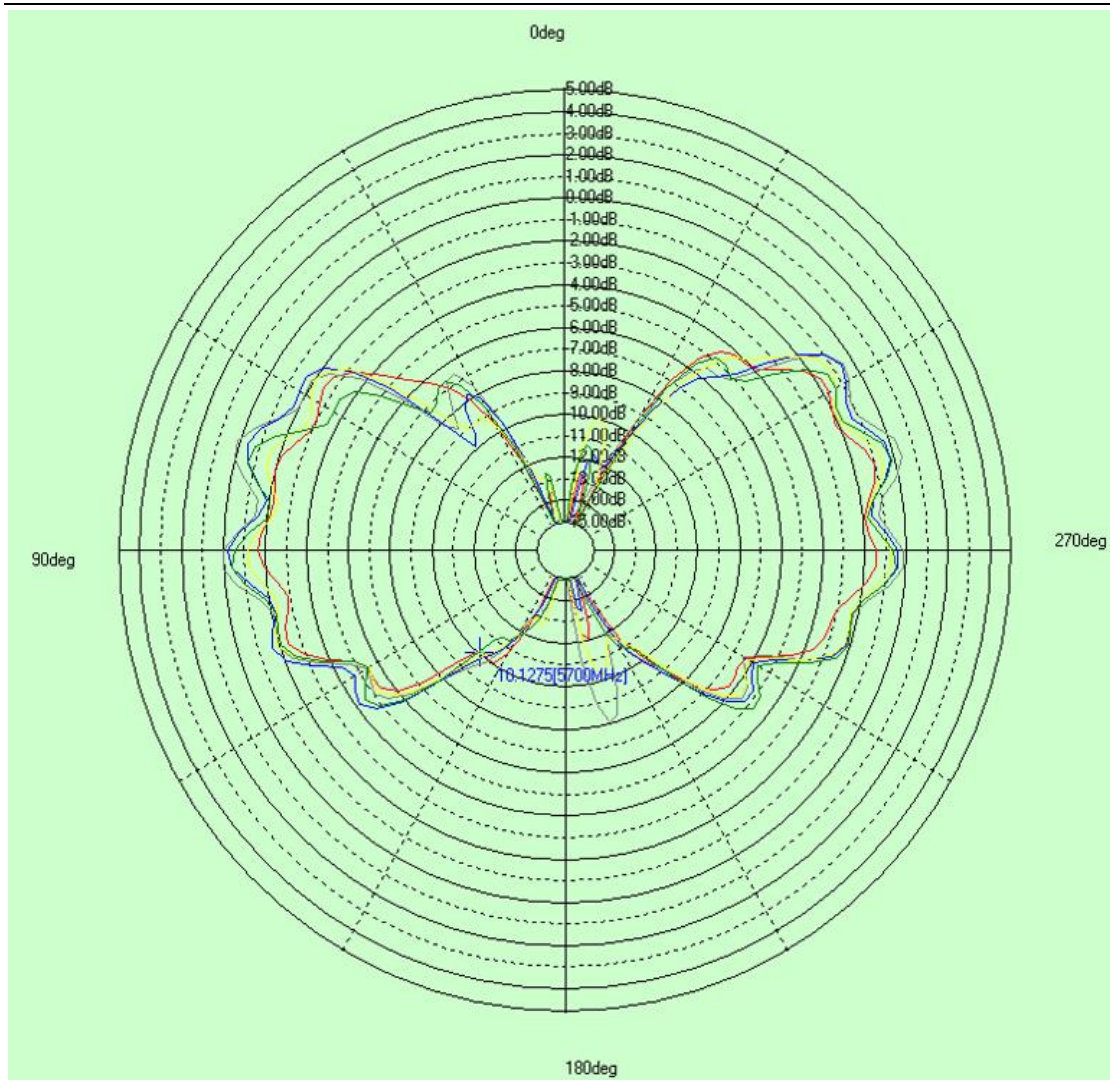
Test date: 2024/09/19

3.1 Antenna radiation pattern

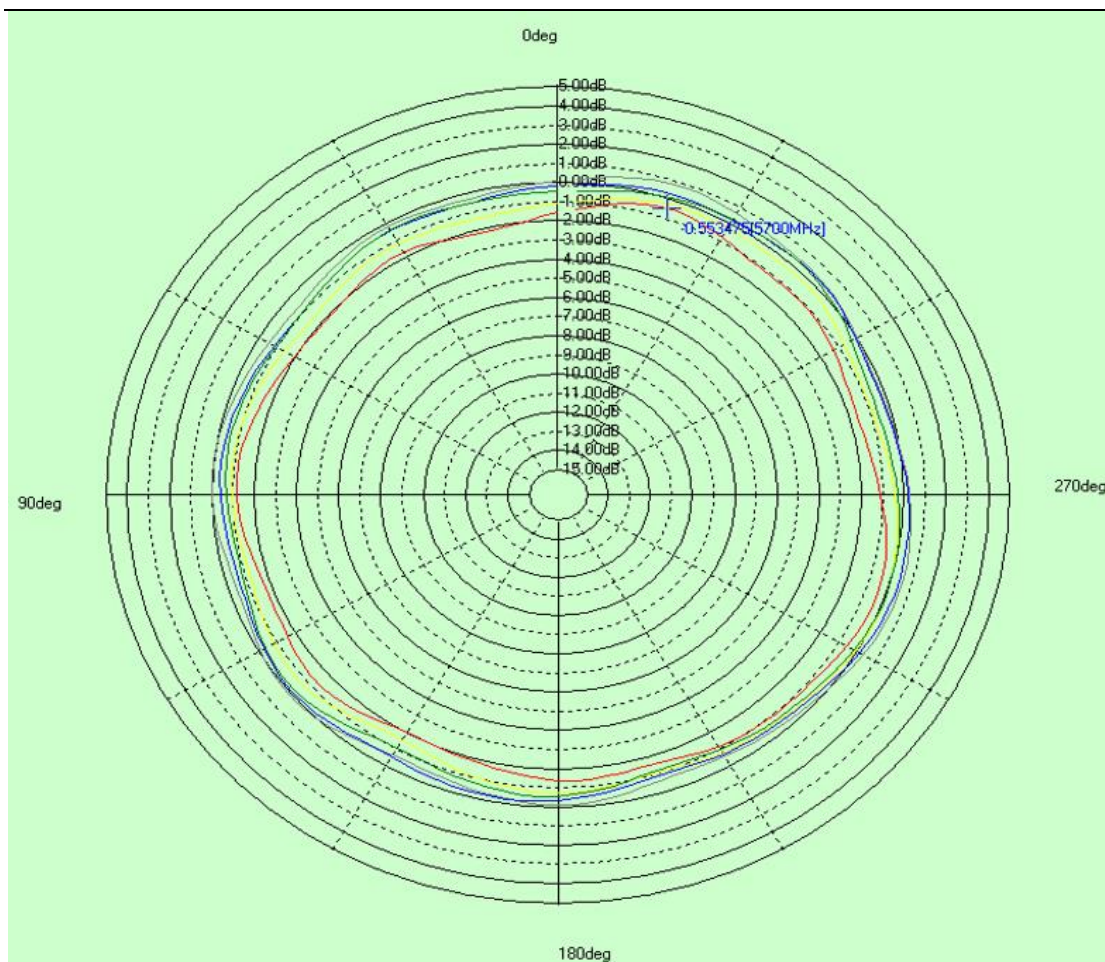
Phi=0



Phi=90



Theta=90



4、 Structure drawing

