

DJI Antenna Datasheet

DY401 BT antenna

2024-12-10



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Dave.li	2024.06.19

DJI Antenna Datasheet

1、 Basic Specifications

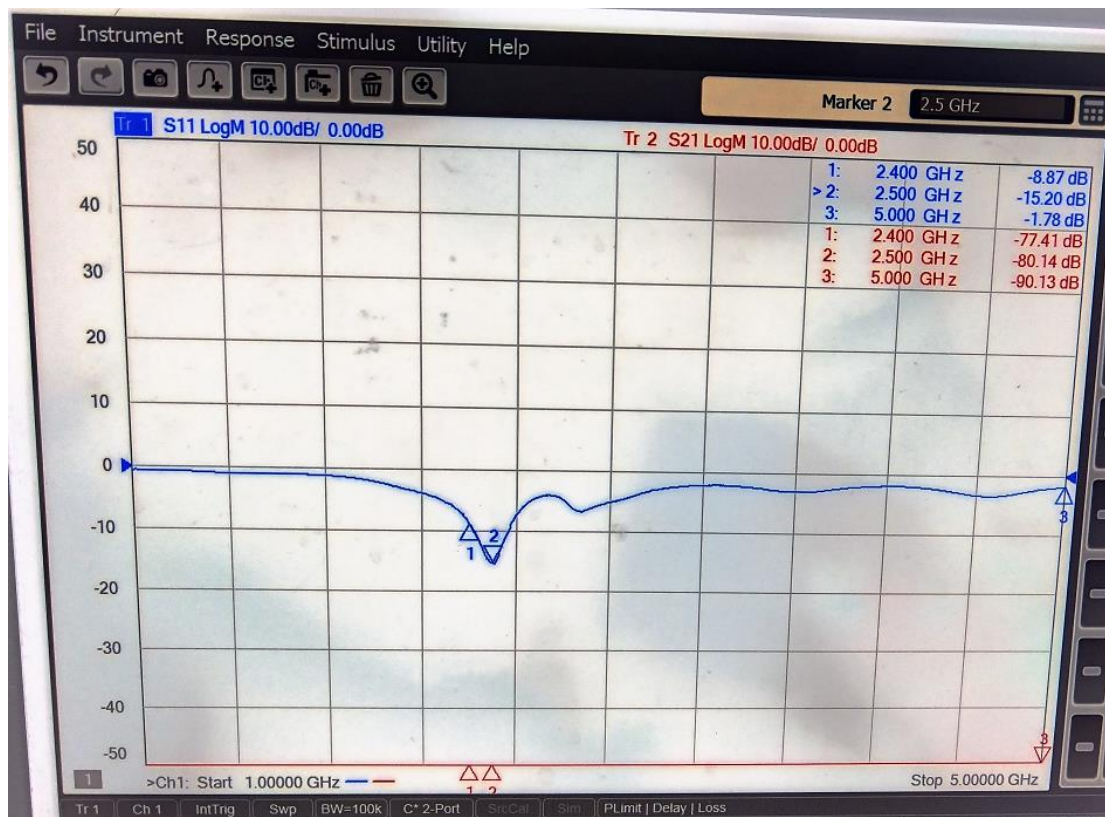
No.	Specification	Descriptions	Notes	
1	Antenna Name	DY401 BT Ant		
2	Brand	DJI		
3	Operation Frequency	2.4~2.483GHz;		
4	Connector Type	NA		
5	Impedance	50ohm		
6	Gain	1dBi@2.4~2.483GHz		
7	Efficiency	$\geq 30\%$		
8	VSWR	≤ 3		
9	Polarization type	Linear		
10	3dB Beam width	$\geq 60\text{deg}$		
11	Weight	1g		
12	Antenna type	IFA		
13	Manufacture	DJI innovation		

Antenna efficiency and gain:

Frequency	Efficiency	Gain . dB
2400MHz	40%	0.21

2410MHz	40%	0.38
2420MHz	39%	0.33
2430MHz	39%	0.26
2440MHz	41%	0.64
2450MHz	40%	0.82
2460MHz	43%	0.95
2470MHz	40%	0.27
2480MHz	42%	0.49

2、 Antenna Return Loss/VSWR



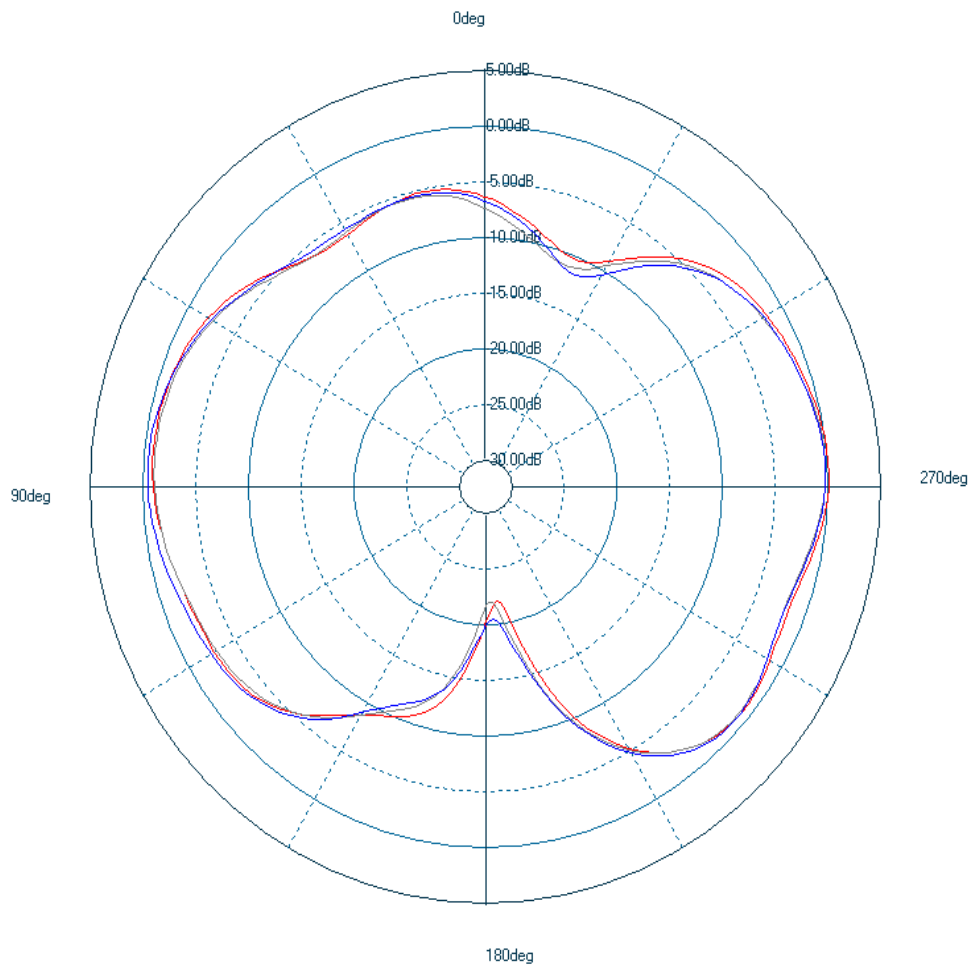
3、 Radiation Pattern

Test lab: Satimo SG24

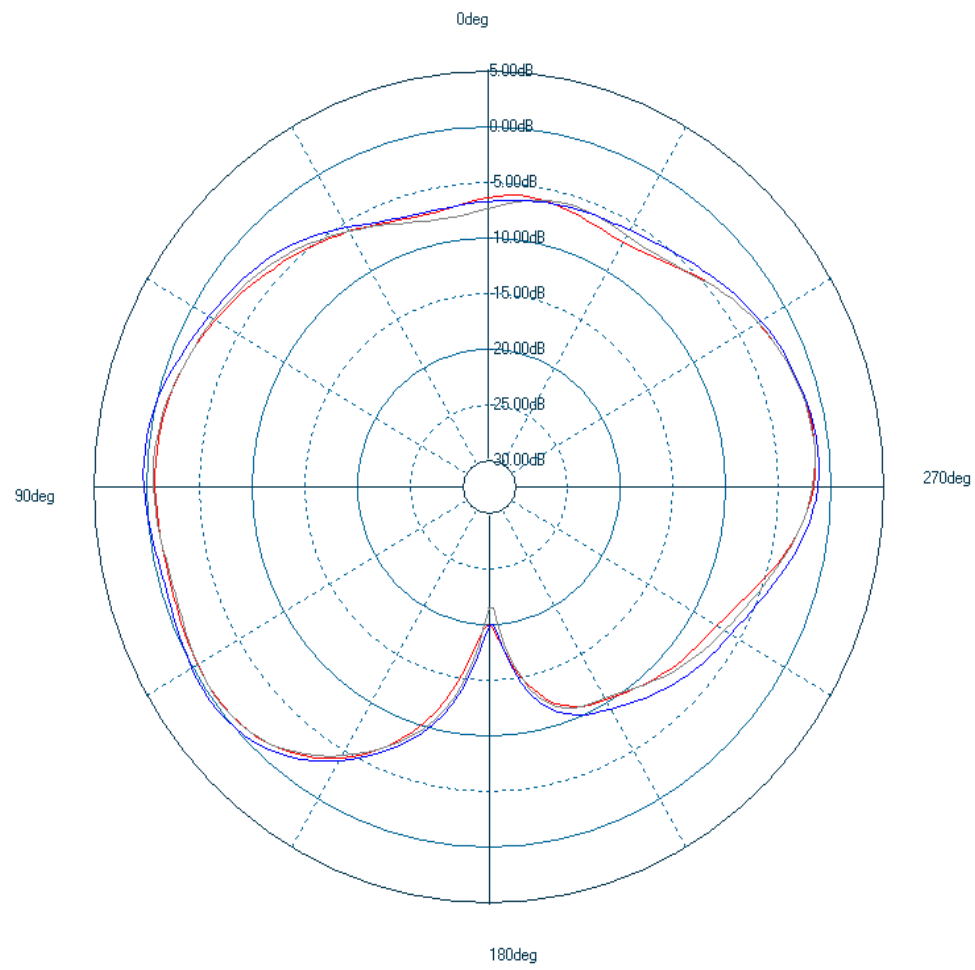
Test date: 2024/11/18

3.1 Antenna radiation pattern

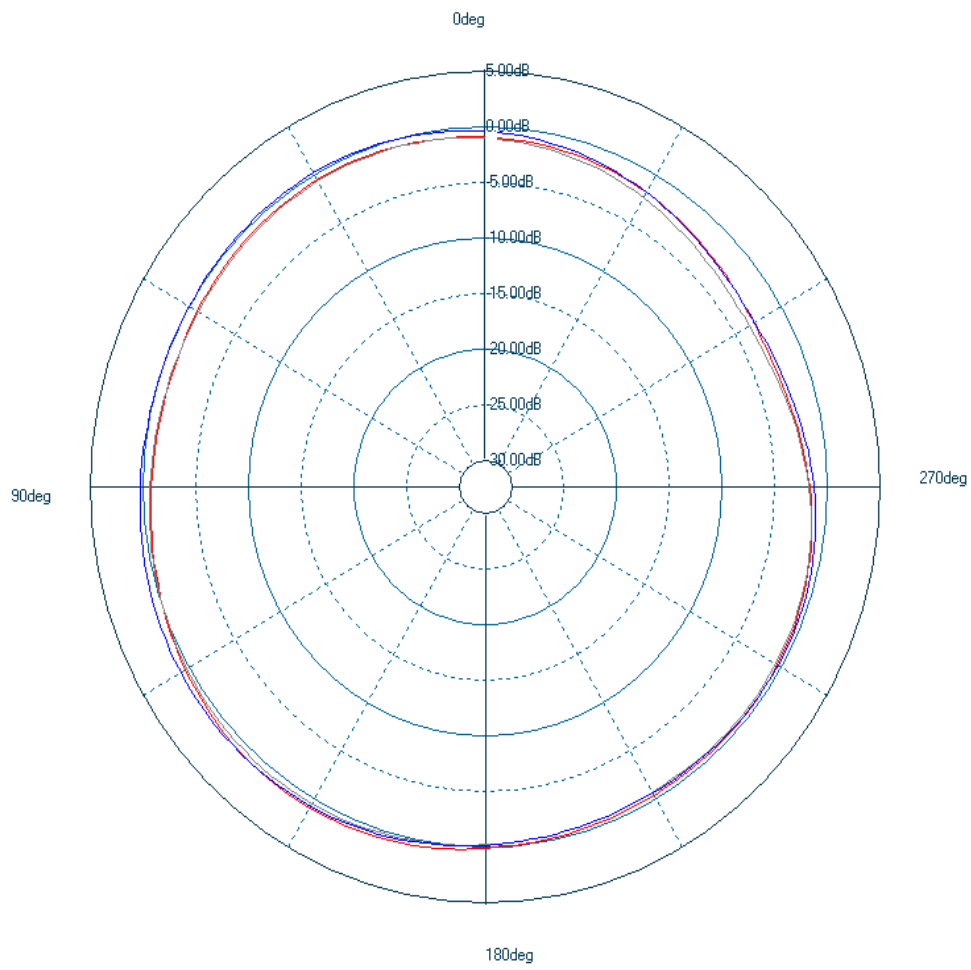
Phi=0



Phi=90



Theta=90



4 Structure drawing

