

DJI Antenna Datasheet

CR810 station antenna

2025-01-21



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Dave.li	2025.01.21

DJI Antenna Datasheet

1、 Basic Specifications

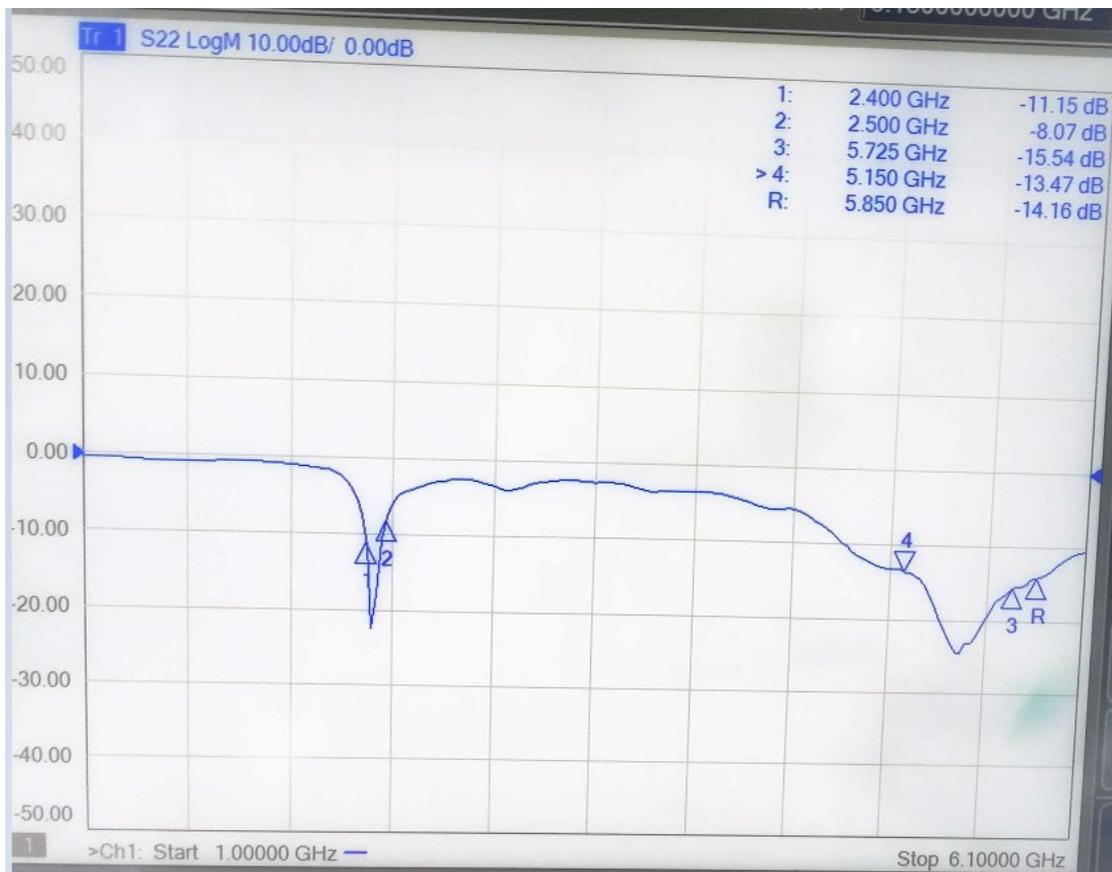
No.	Specification	Descriptions	Notes	
1	Antenna Name	CR810 station Wi-Fi Ant		
2	Brand	DJI		
3	Operation Frequency	2.4~2.483GHz;		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	1.74dBi@2.4~2.483GHz		
7	Efficiency	$\geq 35\%$		
8	VSWR	≤ 3		
9	Polarization type	Linear		
10	3dB Beam width	$\geq 60\text{deg}$		
11	Weight	1g		
12	Antenna type	Dipole		
13	Manufacture	Kunshan Innowave Communication Technology Co., Ltd.		

Antenna efficiency and gain:



Frequency	Efficiency	Gain . dB
2400MHz	38%	1.17
2410MHz	36%	1.56
2420MHz	35%	1.67
2440MHz	37%	1.57
2450MHz	35%	1.74
2460MHz	35%	1.61
2470MHz	37%	1.51
2480MHz	38%	1.42

2、 Antenna Return Loss/VSWR



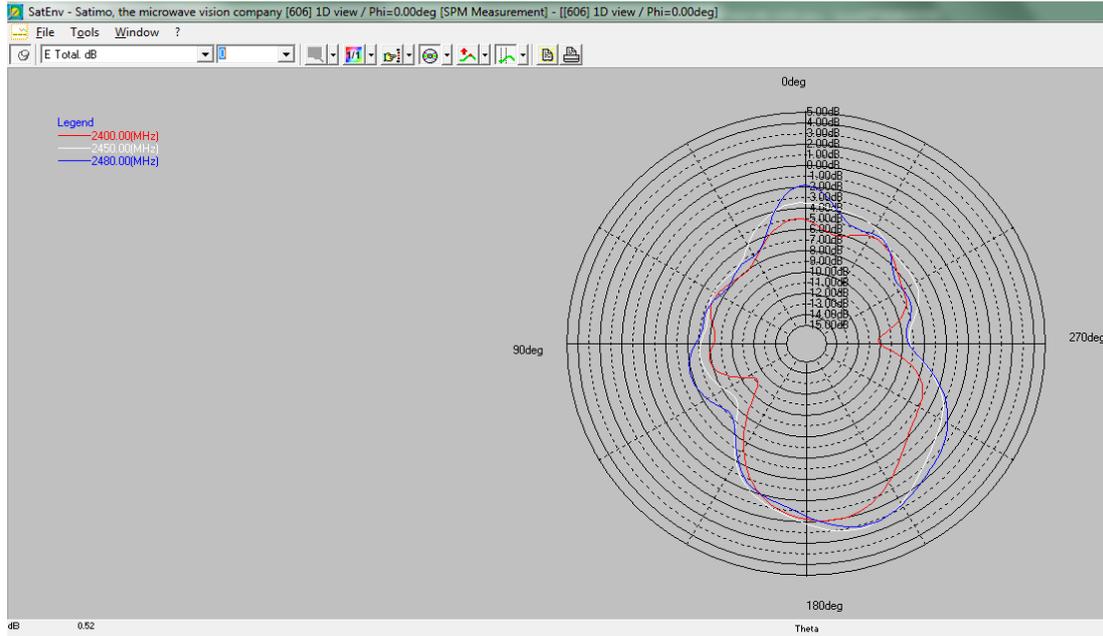
3、 Radiation Pattern

Test lab: Satimo SG24

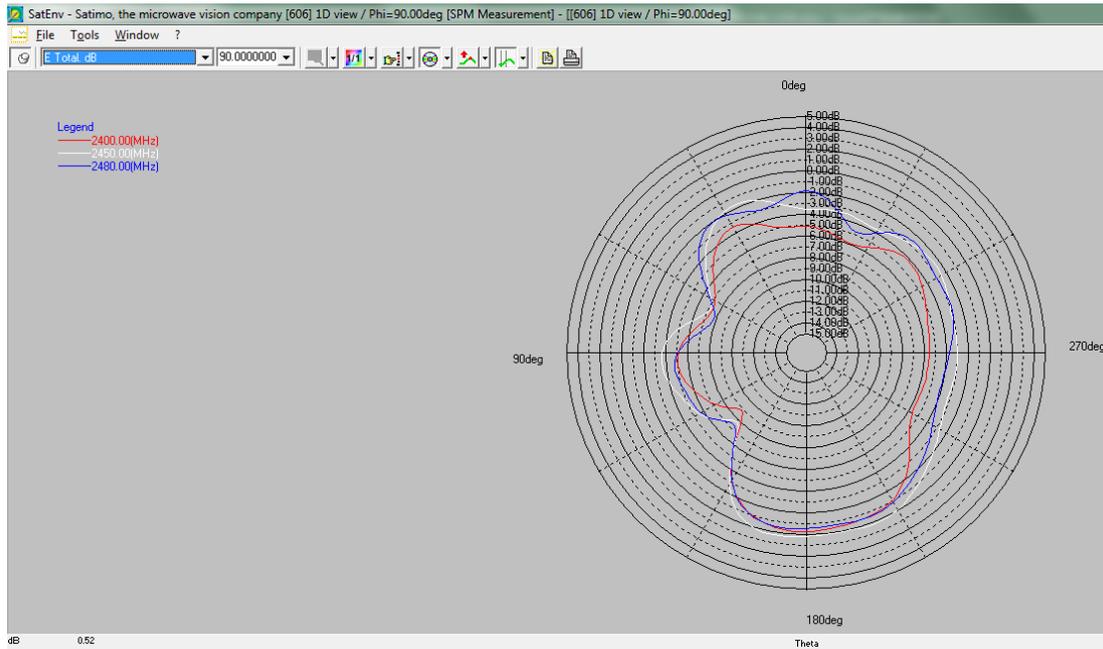
Test date: 2025/1/21

3.1 Antenna radiation pattern

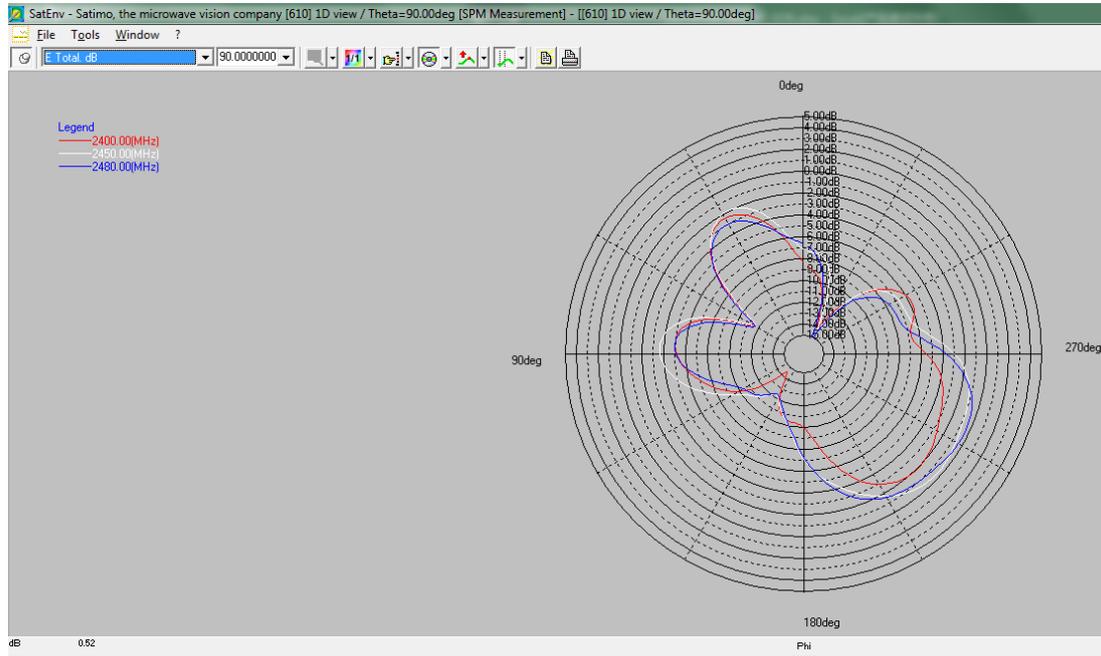
Phi=0



Phi=90



Theta=90



4 Structure drawing