

DJI Antenna Datasheet

RC171 antenna

2023-08-28



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Stephen.Wan	2023.08.28

DJI Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	Ant 0 Ant 1	Only sale for DJI
2	Brand	DJI	
3	Operation Frequency	2400~2480MHz;	
4	Connector Type	NA	
5	Impedance	50ohm	
6	Gain	2.5dBi@2.4~2.483GHz GFSK	
7	Efficiency	$\geq 30\%$ GFSK	
8	VSWR	≤ 2	
9	Polarization type	Linear	
10	3dB Beamwidth	Omnidirectional horizon	
11	Weight	/	
12	Antenna type	PCB	
13	Manufacturer	Shenzhen ZTX Communication Technology Co., LTD. No. 34, Shilong Avenue, Shiyan Street, Baoan, Shenzhen	

2、 Antenna Return Loss/VSWR

2.1 GFSK antenna return loss



3、 Antenna Gain

校准日期： 2023/08/28

测试方法： 近场转台测试

测试暗室型号： Satimo SG24

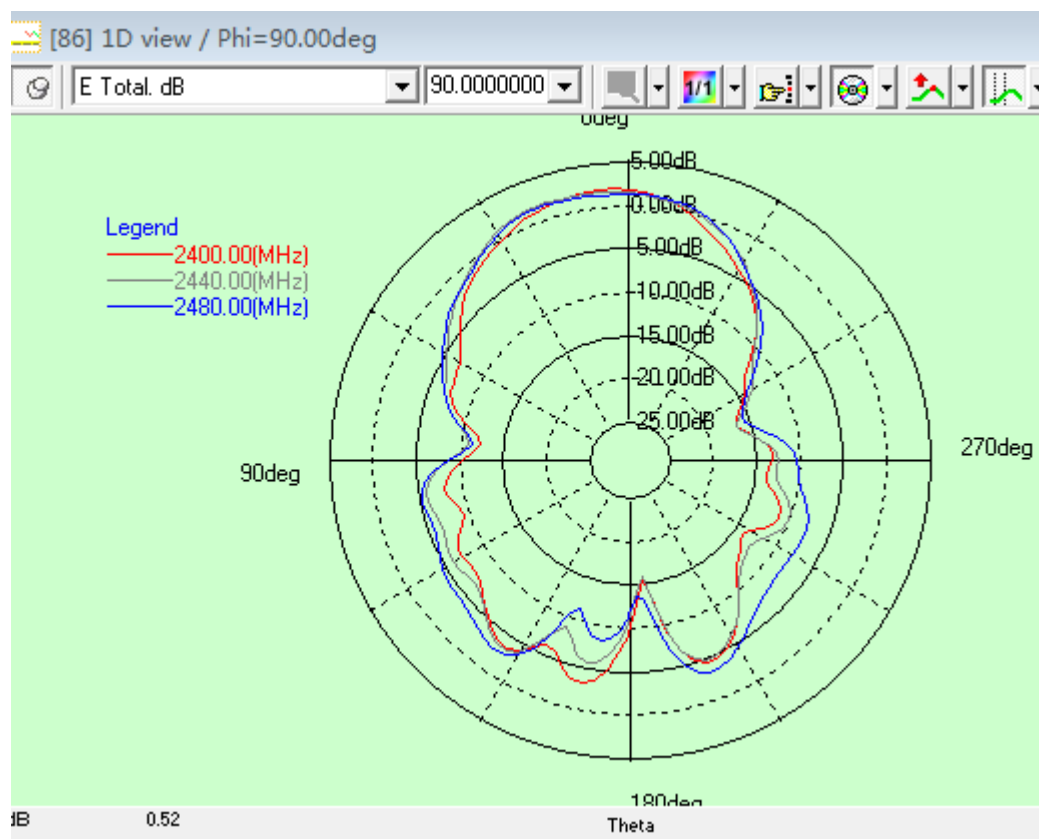
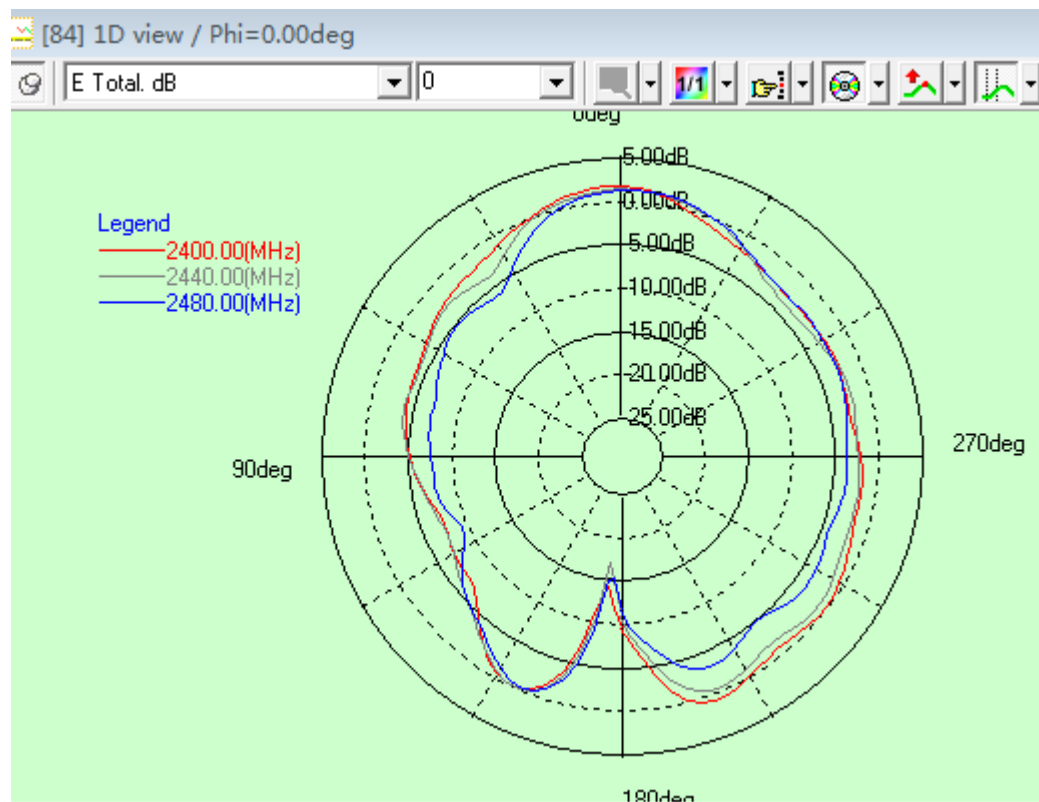
3.1 GFSK

Frequency	Efficiency	Gain(dBi)
2400MHz	48%	2.42143
2410MHz	49%	2.50112
2420MHz	44%	2.36028
2450MHz	49%	2.20777
2470MHz	42%	2.1167
2483MHz	43%	2.2167

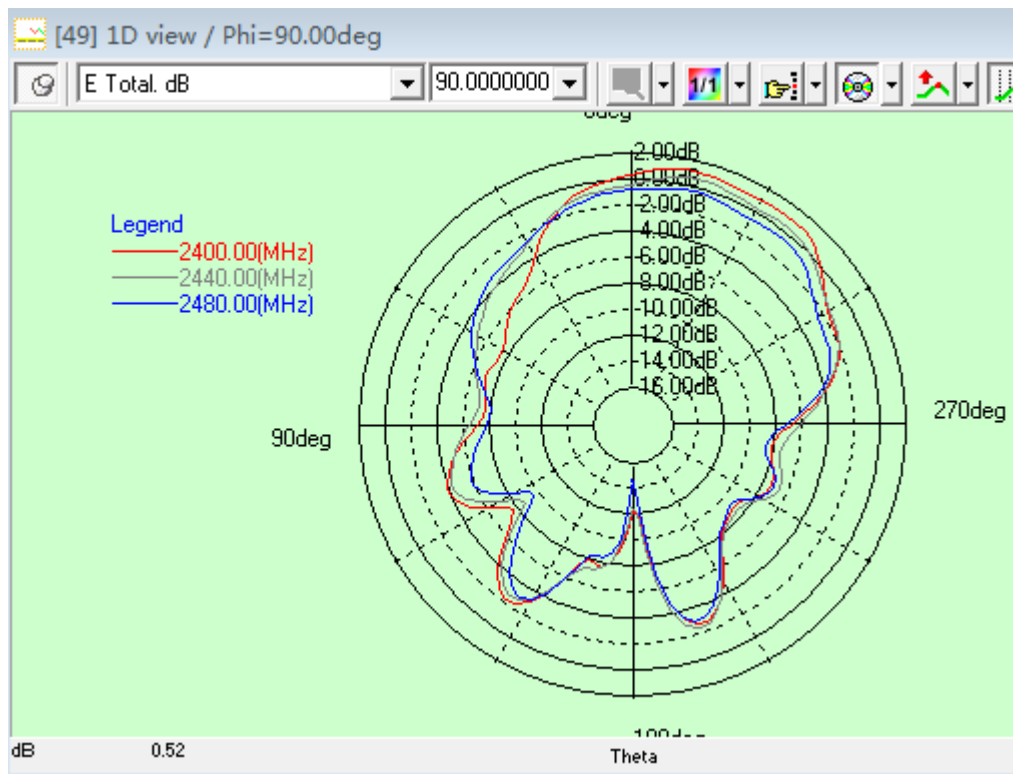
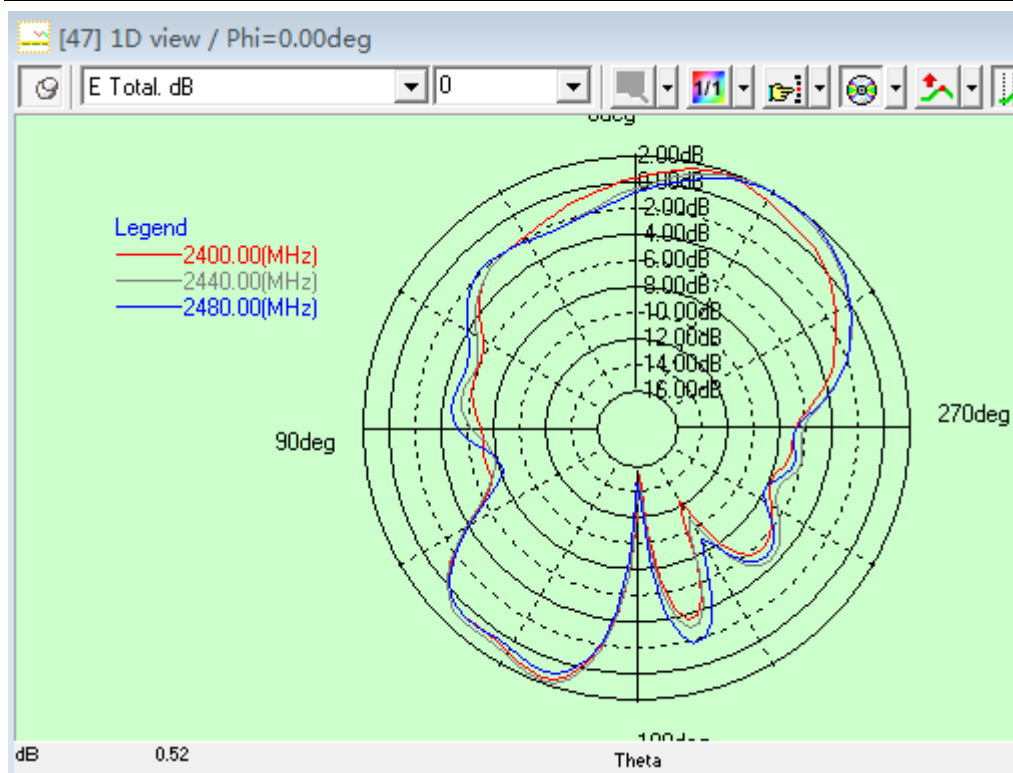
4、 Radiation Pattern

4.1 GFSK antenna 2.4G radiation pattern

Ant0



Ant1



5、 Structure drawing

5.1 GFSK antenna