

DJI Antenna Datasheet

RC100 wifi/bt antenna

2024-05-16



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## Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Zhe.Peng	2024.05.16



# DJI Antenna Datasheet

## 1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<u>RC100 WIFI/BT Ant</u>		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.4~2.483GHz;</u>		
4	Connector Type			
5	Impedance	50ohm		
6	Gain	0.04dBi@2.4GHz		
7	Efficiency	$\geq 25\%$		
8	VSWR	$\leq 2.5$		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	FPC		
13	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd. INPAQ Technology Co., Ltd.		



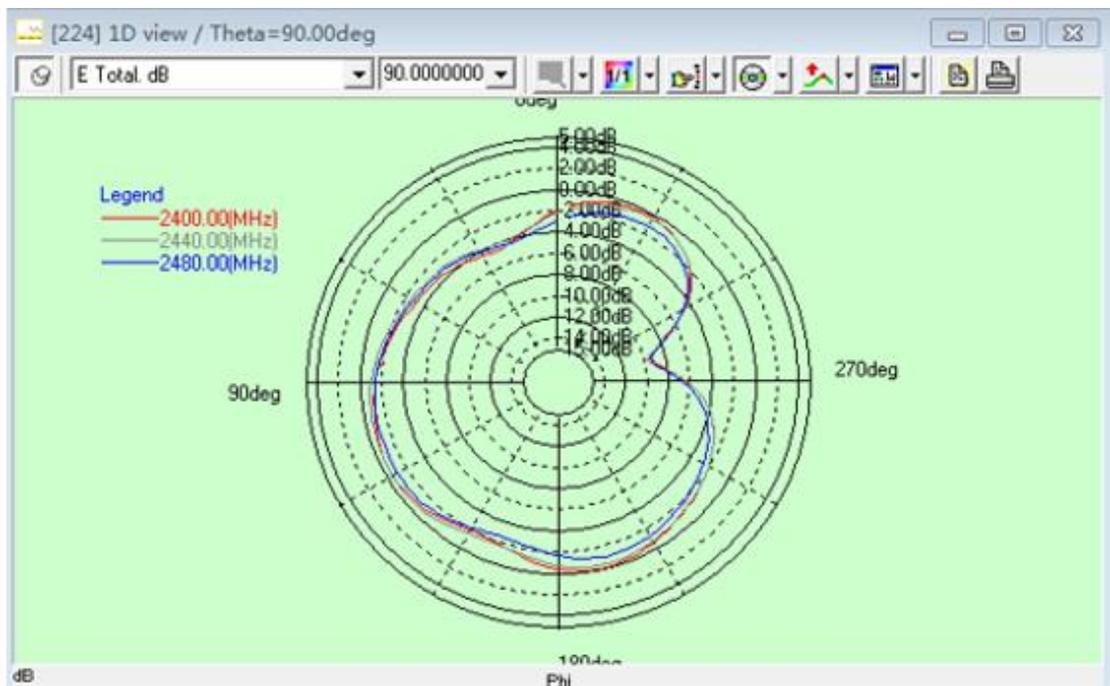
## 2、 Antenna Return Loss/VSWR

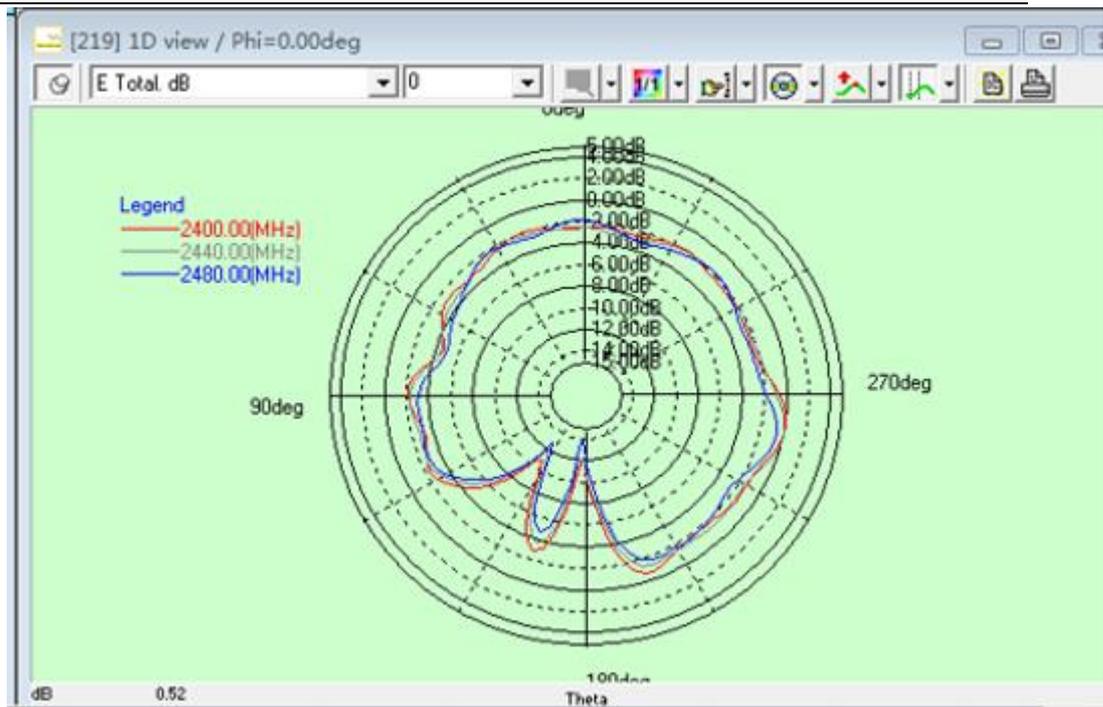
Frequency (GHz)	2.40	2.44	2.48
S11(dB)	-6.7	-8.8	-9.3

## 3、 Antenna Gain

Frequency	Efficiency	Frequency	E Total.
2300MHz	17%	2300MHz	-1.31985
2310MHz	19%	2310MHz	-0.83591
2320MHz	20%	2320MHz	-0.65205
2330MHz	21%	2330MHz	-0.99873
2340MHz	23%	2340MHz	-0.7345
2350MHz	25%	2350MHz	-0.61618
2360MHz	26%	2360MHz	-0.51889
2370MHz	27%	2370MHz	-0.62317
2380MHz	29%	2380MHz	-0.04245
2390MHz	29%	2390MHz	-0.31197
2400MHz	30%	2400MHz	0.061076
2410MHz	31%	2410MHz	-0.07272
2420MHz	32%	2420MHz	-0.37638
2430MHz	34%	2430MHz	0.018147
2440MHz	37%	2440MHz	0.038586
2450MHz	36%	2450MHz	-0.87706
2460MHz	36%	2460MHz	-0.84648
2470MHz	37%	2470MHz	-0.47819
2480MHz	38%	2480MHz	-0.84539
2490MHz	36%	2490MHz	-1.3621
2500MHz	34%	2500MHz	-1.02785
2510MHz	35%	2510MHz	-0.30135
2520MHz	35%	2520MHz	-1.01142
2530MHz	33%	2530MHz	-1.12063
2540MHz	34%	2540MHz	-0.53556
2550MHz	33%	2550MHz	-0.27624
2560MHz	31%	2560MHz	-0.64455
2570MHz	28%	2570MHz	-0.85179
2580MHz	26%	2580MHz	-0.90877
2590MHz	24%	2590MHz	-1.26729
2600MHz	22%	2600MHz	-1.72144

## 4、 Radiation Pattern





5、 Structure drawing

