

DJI Antenna Datasheet

RC701 antenna

2024-04-15

Model number : RC701 antenna 4/5



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Stephen.Wan	2024.04.15

DJI Antenna Datasheet

1、 Basic Specifications

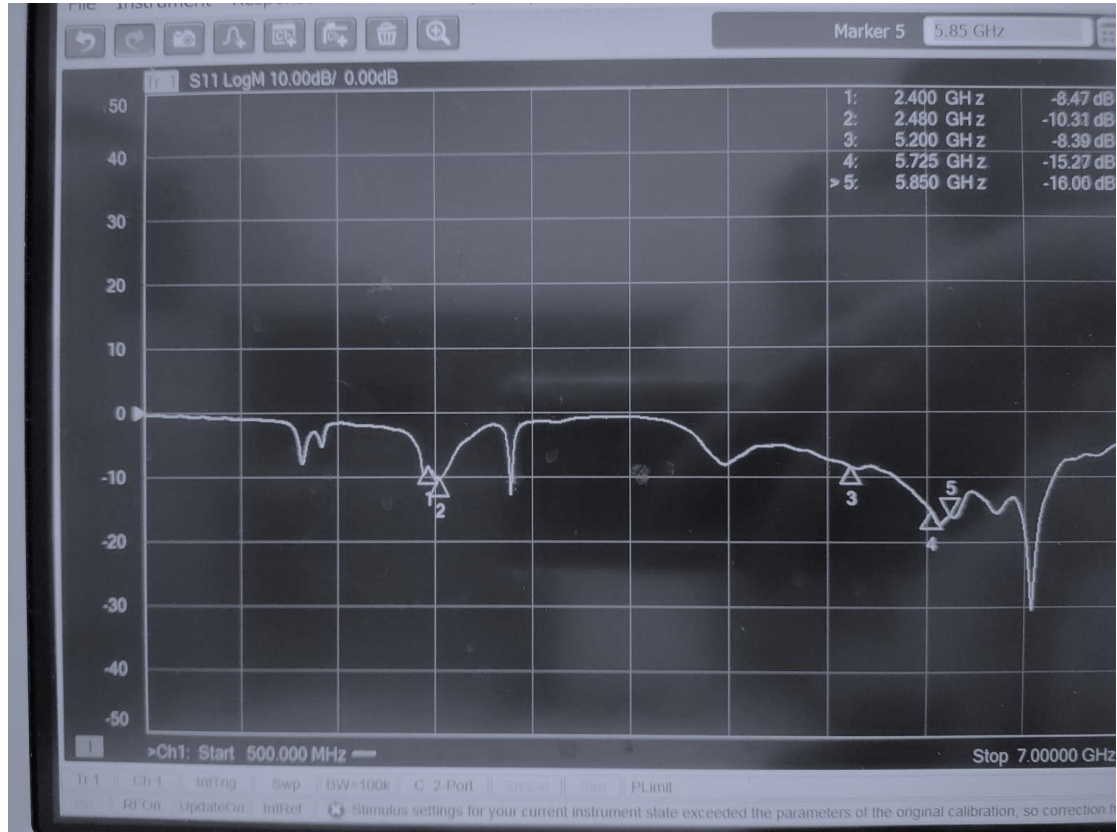
No.	Specification	Descriptions	Notes	
1	Antenna Name	RC701 Ant		
2	Brand	DJI		
3	Operation Frequency	2.4~2.483GHz; 5.15~5.25GHz 5.725~5.85GHz		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	2.5 dBi@2.4~2.483GHz sdr 1.5dBi@5.15~5.25GHz sdr 3.5 dBi@5.725~5.875GHz sdr		
7	Efficiency	$\geq 50\%$ SDR		
8	VSWR	≤ 2		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	Dipole		

2、 Antenna Return Loss/VSWR

2.1 SDR antenna return loss

Freq/GHz	2.4	2.48	5.2	5.725	5.85

S11/dB	-8.5	-10.3	-8.3	-15.3	-16
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3、 Antenna Gain

校准日期：2024/04/11

测试方法：近场转台测试

测试暗室型号：Satimo SG24

天线摆放位置参考坐标系：

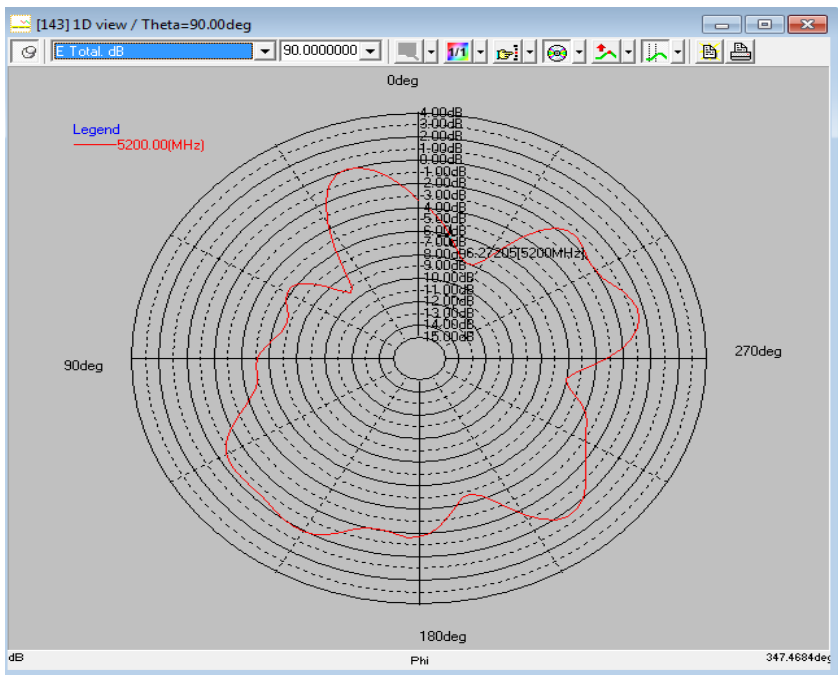
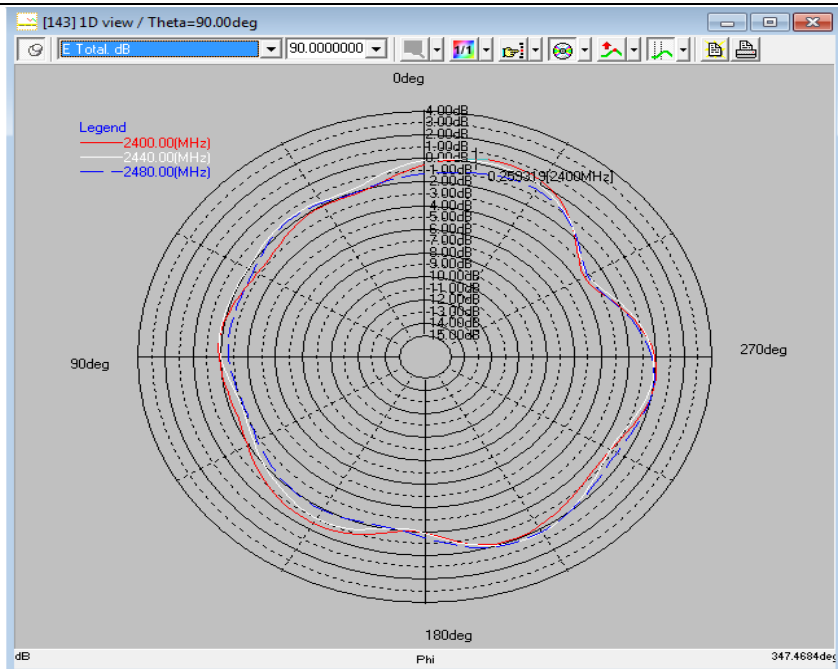


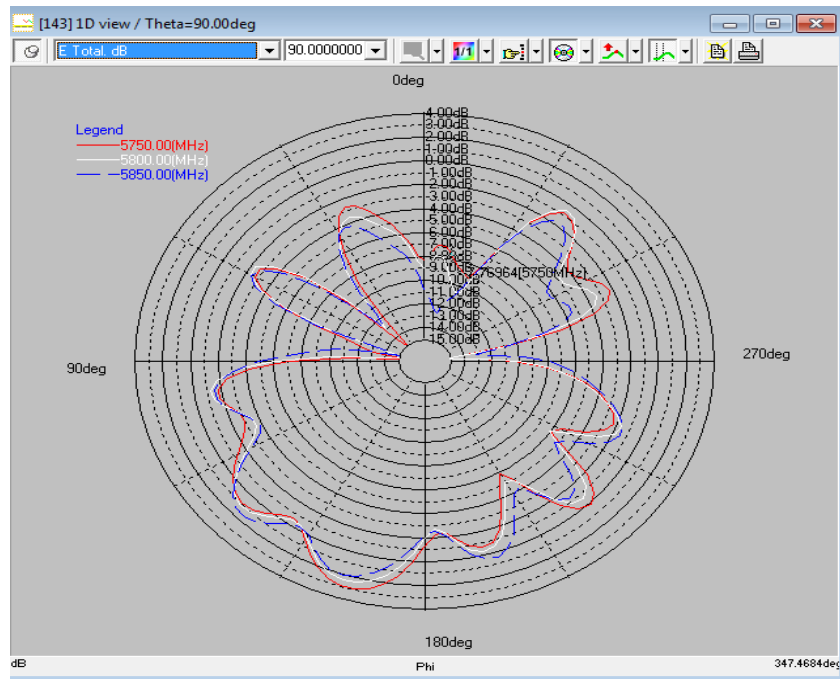
3.1 sdr

Frequency	E Total. dB(dB)	Efficiency()
2400MHz	2.5	5.74E-01
2440MHz	2.4	5.60E-01
2480MHz	2.4	5.59E-01
5130MHz	1.5	3.00E-01
5205MHz	1.5	3.23E-01
5250MHz	1.4	3.10E-01
5730MHz	3.4	4.41E-01
5800MHz	3.5	4.52E-01
5850MHz	3.3	4.71E-01

4、 Radiation Pattern

4.1 sdr antenna 2.4G radiation pattern





5、 Structure drawing

5.1 SDR antenna



Name of the antenna manufacturer: INPAQ Technology Suzhou CO.Ltd

Address of the antenna manufacturer: No.5 Chunqiu Road, Xiangcheng

Dsitric,Suzhou, Jiangsu Province

Website of the antenna manufacturer: www.inpaq.com