

DJI Antenna Datasheet

RC331 antenna

2022-02-22



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Zhe.Peng	2023.02.22



DJI Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<u>RC331 SDR Ant</u>		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.4~2.483GHz;</u> <u>5.15~5.25GHz</u> <u>5.725~5.85GHz</u>		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	<u>1dBi@2.4~2.483GHz</u> sdr <u>1.5dBi@5.2GHz</u> sdr <u>2dBi@5.725~5.875GHz</u> sdr		
7	Efficiency	$\geq 50\%$ SDR		
8	VSWR	≤ 2.5		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	PCB		
13	Manufacturer	Shenzhen ZTX Communication Technology Co., LTD.		
14	Manufacturer address	No.34 Shilong Road, Bao'an District, Shenzhen, Guangdong Province.		

2、 Antenna Return Loss/VSWR





3、 Antenna Gain

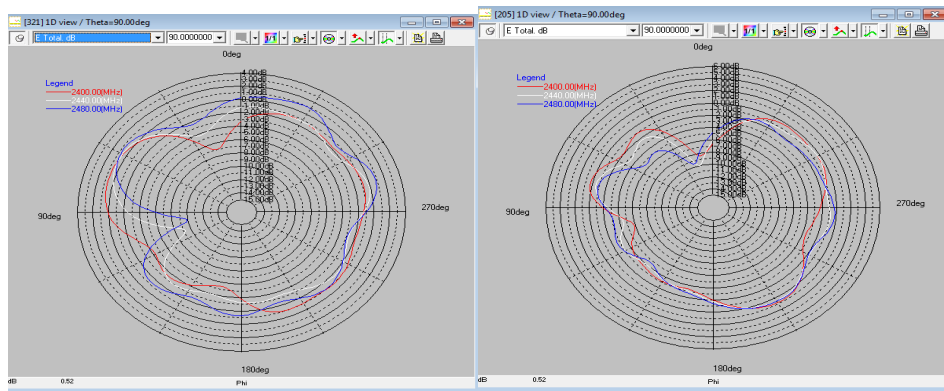
3.1 sdr:

Frequency	Efficiency	Gain(dBi)
2400MHz	63%	0.5
2410MHz	61%	0.6
2420MHz	62%	0.6
2450MHz	65%	1.0
2470MHz	67%	0.8
2483MHz	65%	0.7

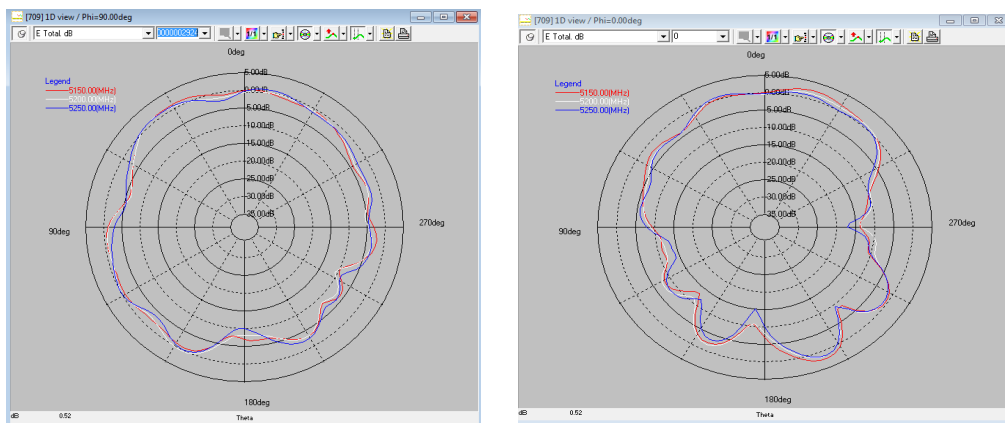
Frequency	Efficiency	Gain(dBi)
5150MHz	42%	1.4
5200MHz	43%	1.5
5725MHz	50%	1.7
5775MHz	50%	2.0
5800MHz	48%	1.8
5825MHz	48%	1.4
5850MHz	50%	1.7

4、 Radiation Pattern

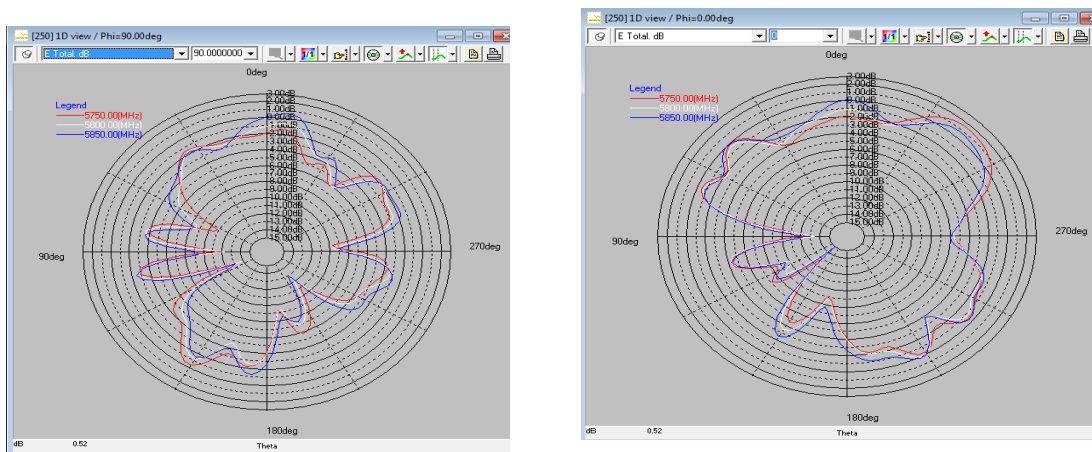
4.1.1 sdr antenna 2.4G radiation pattern



4.1.2 sdr antenna 5.2G radiation pattern



4.1.3 sdr antenna 5.8G radiation pattern



5、 Structure drawing

