

RC221 Antenna Datasheet



Revision history

Version	Change notes	Modifier	Date
V1.0		Alaan.he	2023.8.14

Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	RC221 Ant 1 RC221 Ant 2	Only sale for DJI
2	Brand	DJI	
3	Operation Frequency	2.4~2.4835GHz;	
4	Connector Type	无	
5	Impedance	50ohm	
6	Gain	0.99dBi@2.4~2.483GHz -0.63dBi@2.4~2.483GHz	
7	Efficiency	$\geq 35\%$	
8	VSWR	≤ 3	
9	Polarization type	Linear	
10	3dB Beam width	Omnidirectional horizon	
11	Weight	/	
12	Antenna type	Dipole	
13	Manufacturer	Shenzhen ZTX Communication Technology Co., LTD.	



2、 Antenna Gain

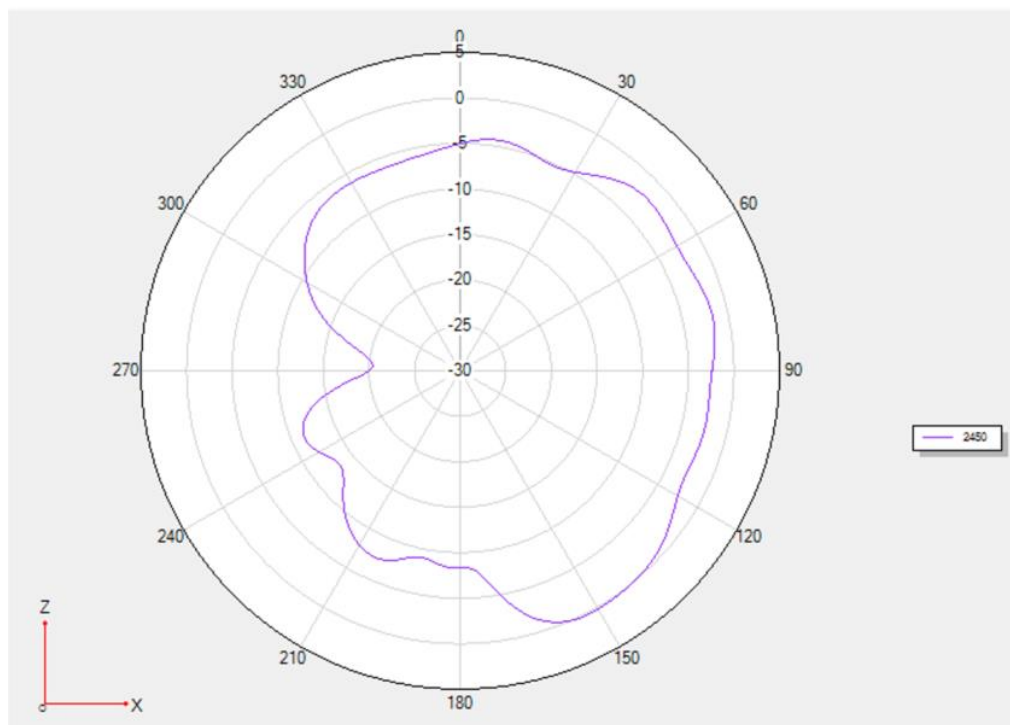
Ant 0		
Frequency	Efficiency	Gain(dBi)
2400MHz	41.02%	0.99
2410MHz	40.83%	0.62
2420MHz	42.27%	0.91
2450MHz	44.77%	0.67
2470MHz	44.87%	0.61
2480MHz	42.56%	0.17

Ant 1		
Frequency	Efficiency	Gain(dBi)
2400MHz	32.21%	-0.73
2410MHz	32.21%	-0.98
2420MHz	33.11%	-0.63
2450MHz	34.12%	-0.72
2470MHz	33.73%	-0.83
2480MHz	32.21%	-1.4

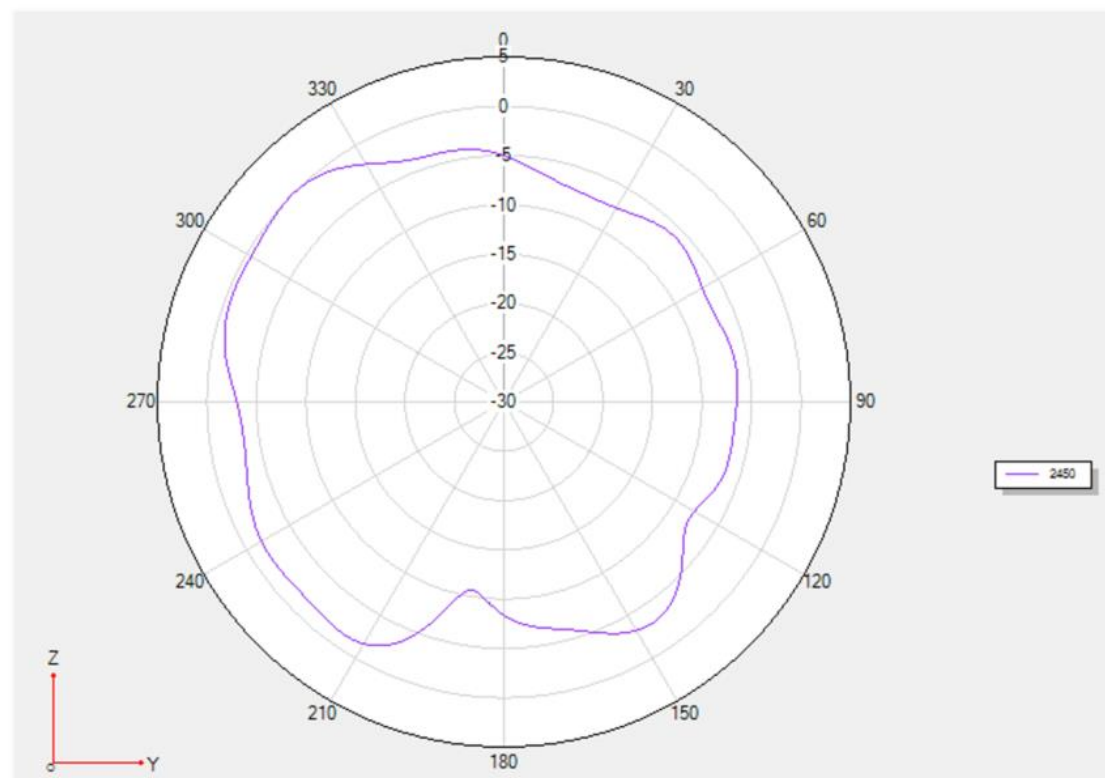
3、 Radiation Pattern

1)Ant 0

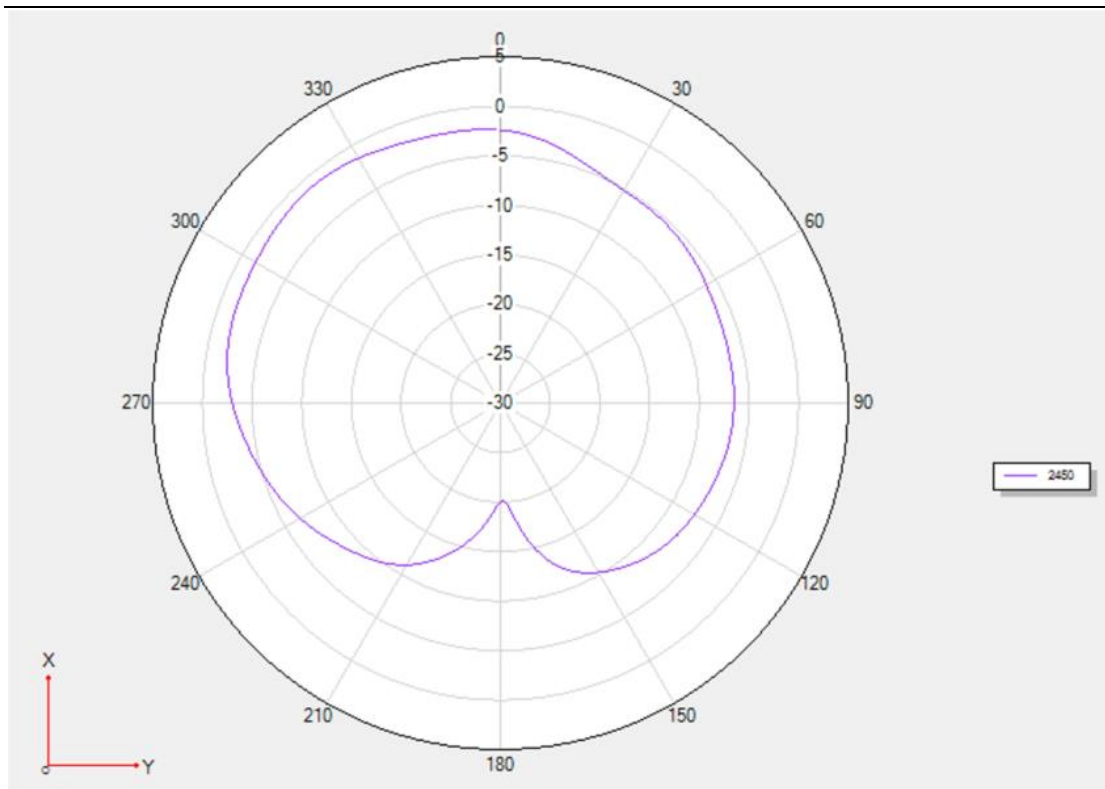
Phi=0



$\Phi = 90$

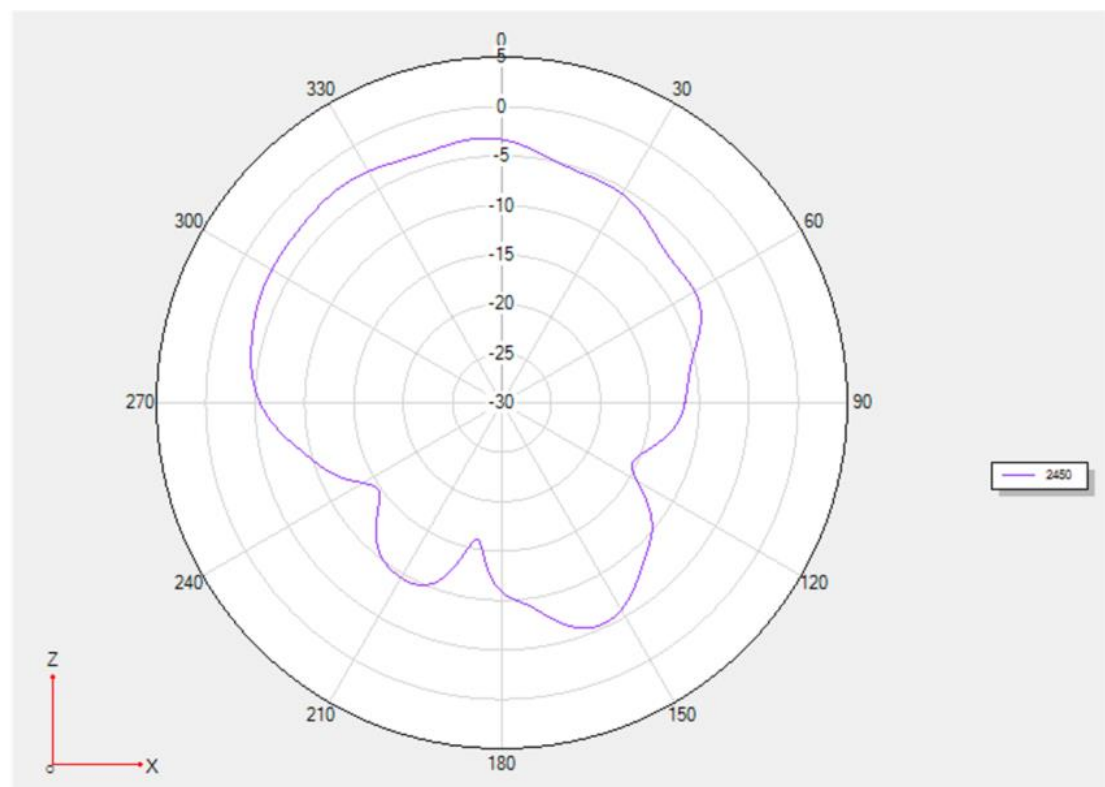


$\Theta = 90$

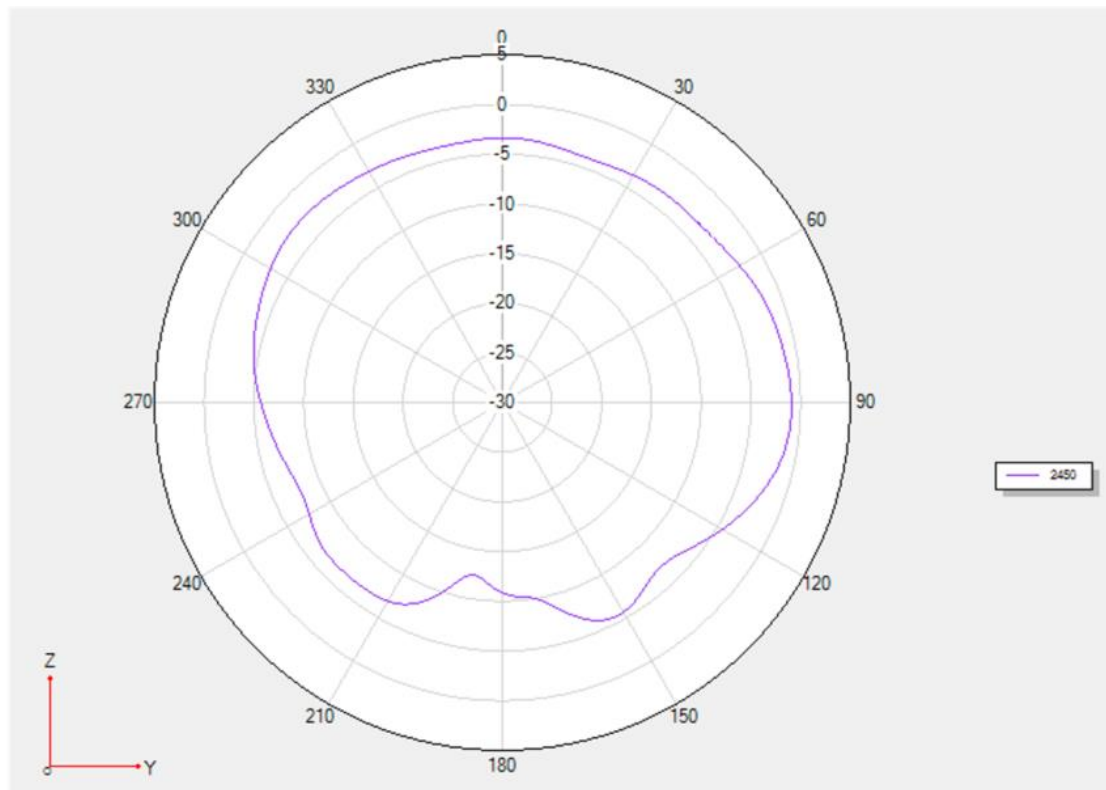


2)Ant 1

$\Phi=0$



Phi=90



Theta=90

