DJI Antenna Datasheet
___RC520 antenna_____

DJI Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	RC520 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	1.5dBi@2.4~2.483GHz sdr 0dBi @5.15~5.25GHz sdr 1.5dBi@5.725~5.875GHz sdr		
7	Efficiency	≥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

3、 Antenna Gain

3.1 sdr

Band	Frequency	Ant4		Ant5	
		Gain (dBi)	efficiency (%)	Gain (dBi)	efficiency (%)
2.4G	2400MHz	1.3	45%	1.1	45%
	2440MHz	1.4	45%	1.2	48%
	2480MHz	1.5	46%	1.2	48%
5.8G	5725MHz	1.5	36%	1.4	44%
	5800MHz	1.5	35%	1.3	43%

	5850MHz	1.4	36%	1.3	42%
	5150 MHz	-0.5	38%	-1	45%
5.2G	5200 MHz	-0.1	39%	-0.5	46%
	5250 MHz	0	40%	0	47%

4、 Radiation Pattern

4.1 sdr antenna 2.4G radiation pattern

Ant4

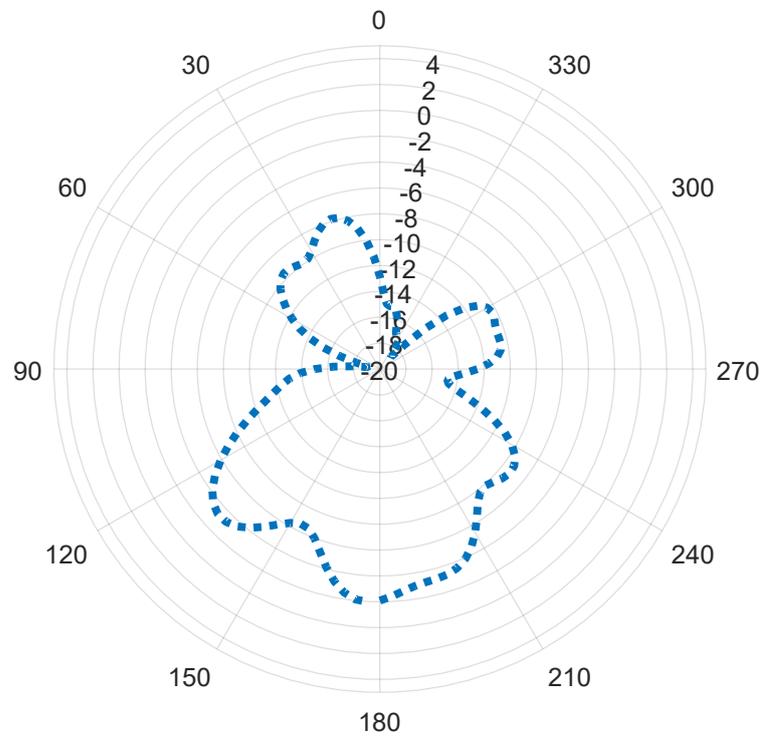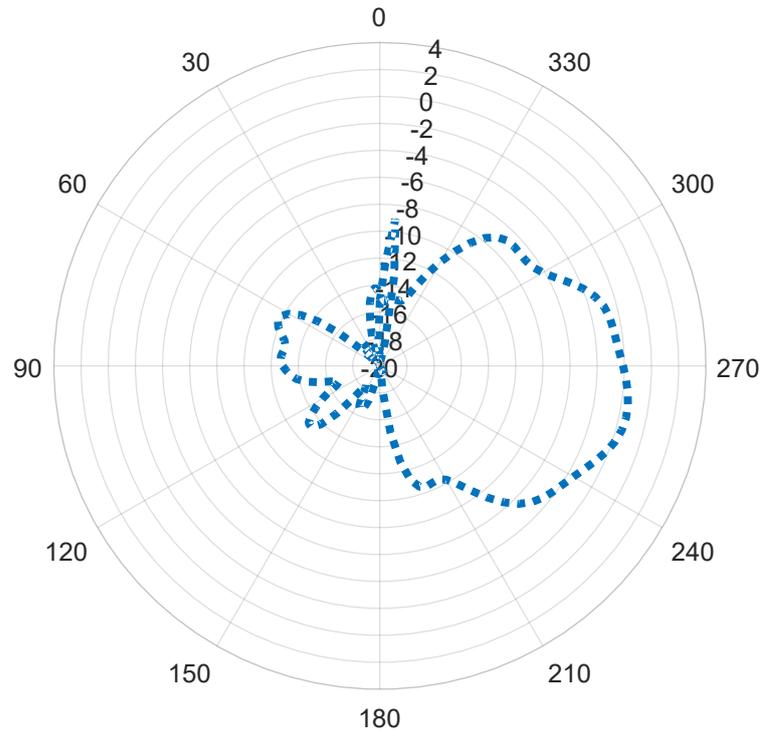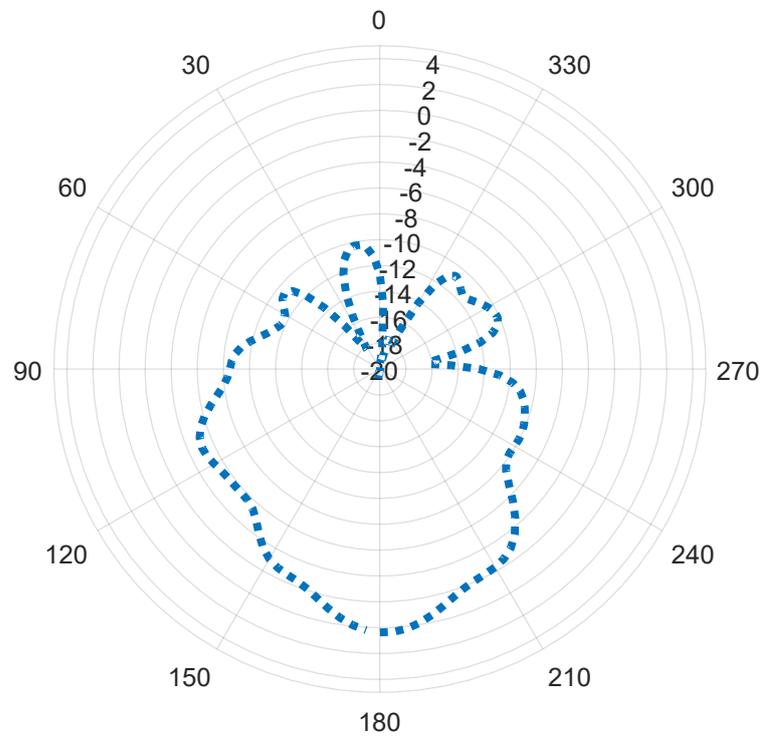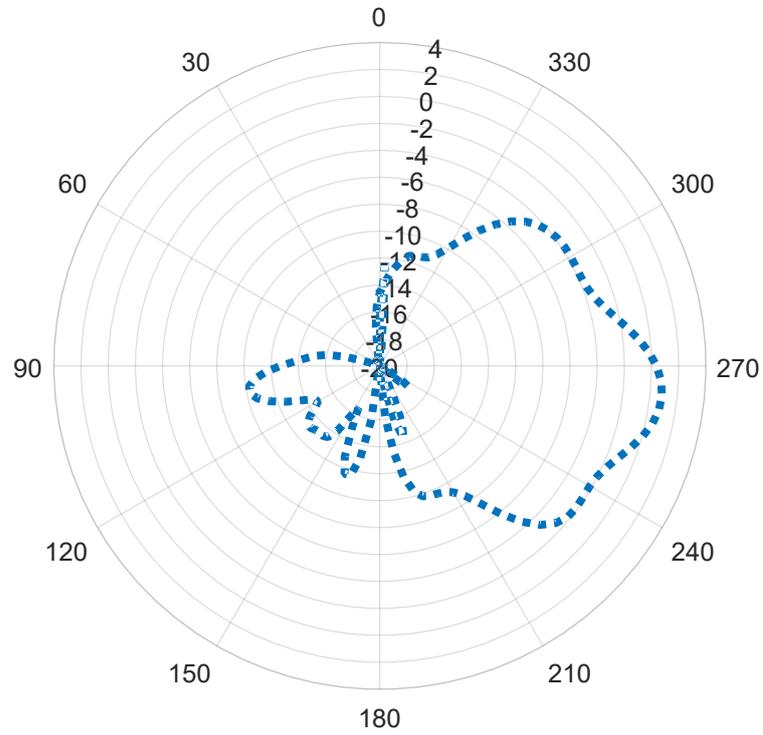**Freq = 2440 MHz Theta = 90 deg Gain**
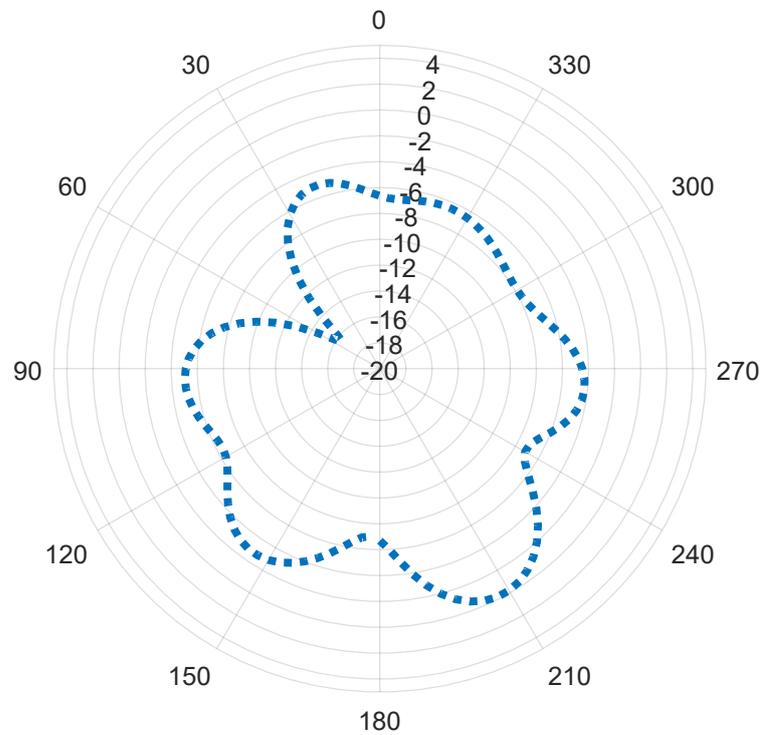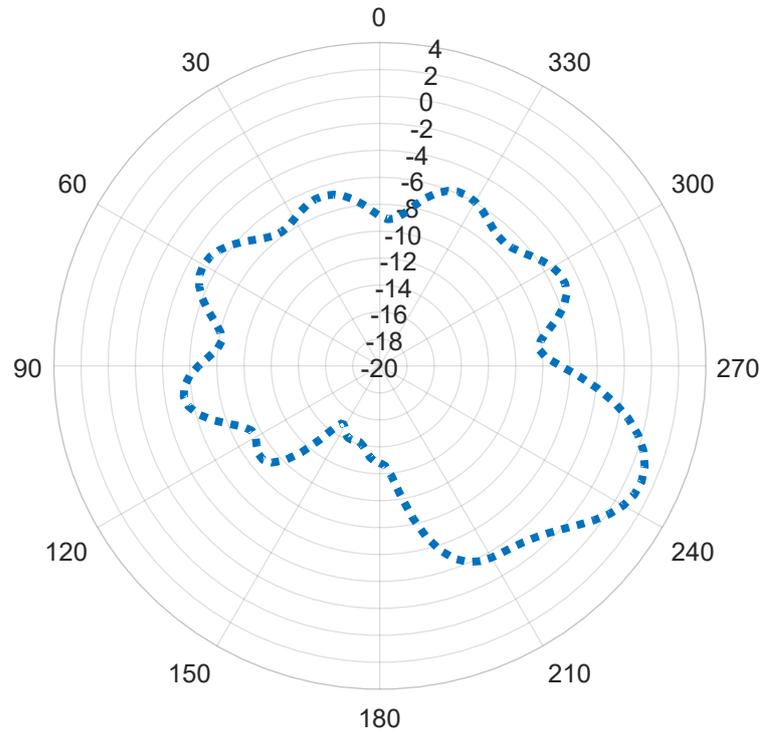
Freq = 2440 MHz Phi = 0 deg Gain

Freq = 5200 MHz Theta = 90 deg Gain

Freq = 5200 MHz Phi = 0 deg Gain

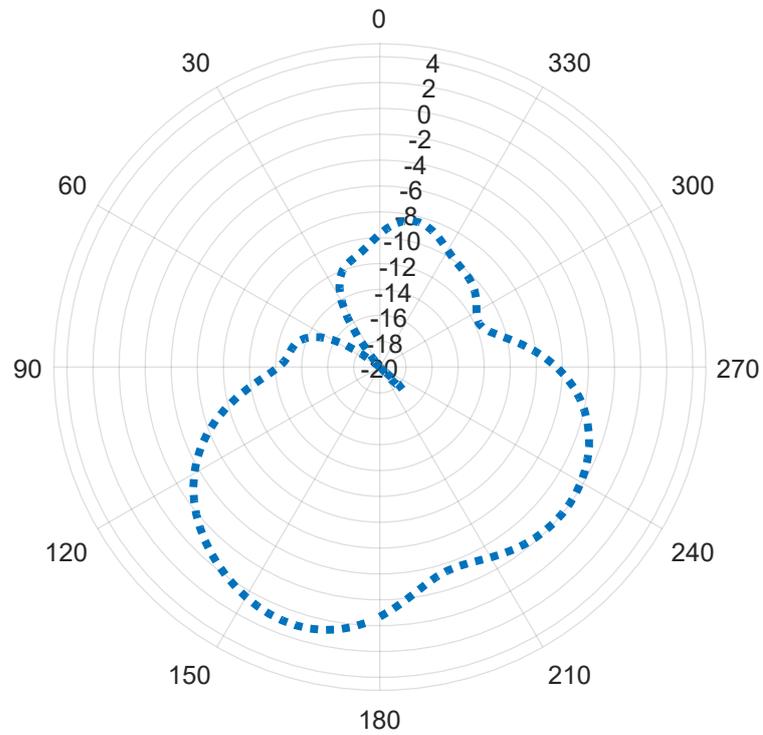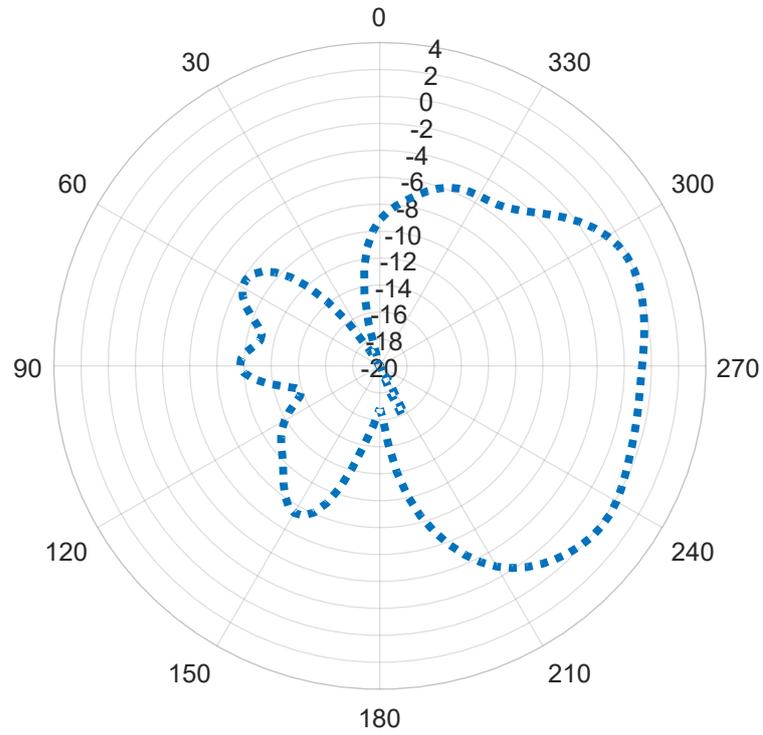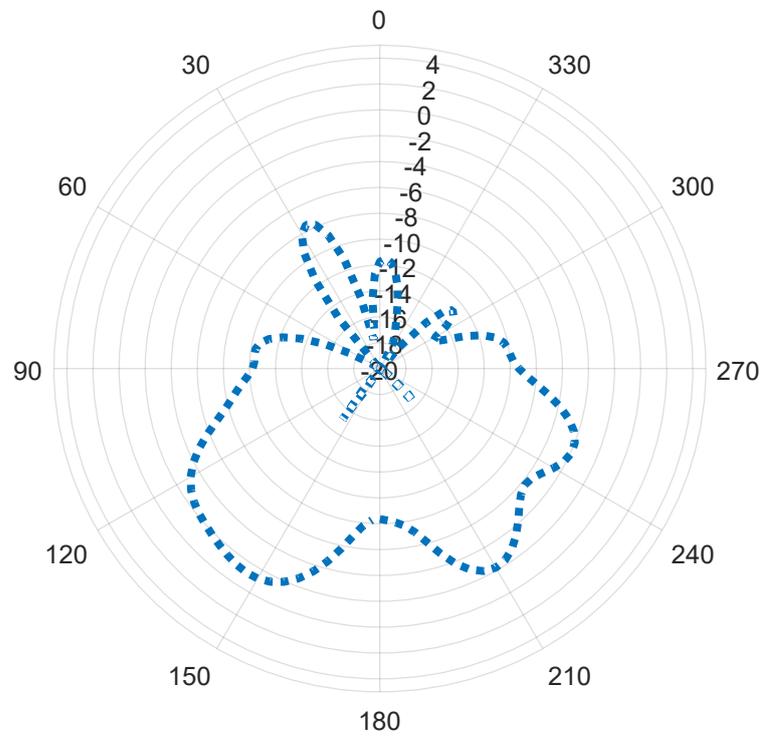**Freq = 5800 MHz Theta = 90 deg Gain**

Freq = 5800 MHz Phi = 0 deg Gain

Ant5

Freq = 2440 MHz Theta = 90 deg Gain
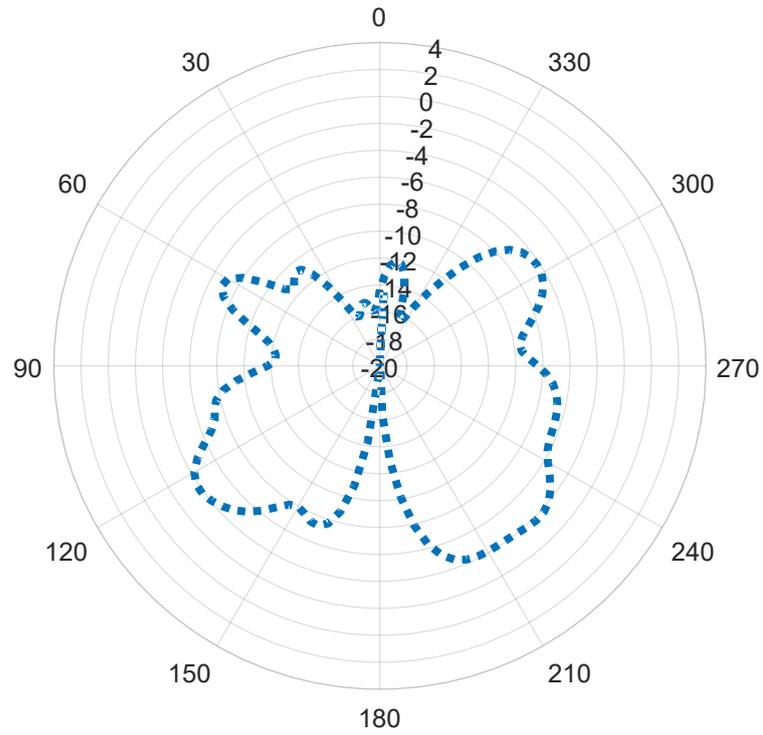
Freq = 2440 MHz Phi = 0 deg Gain

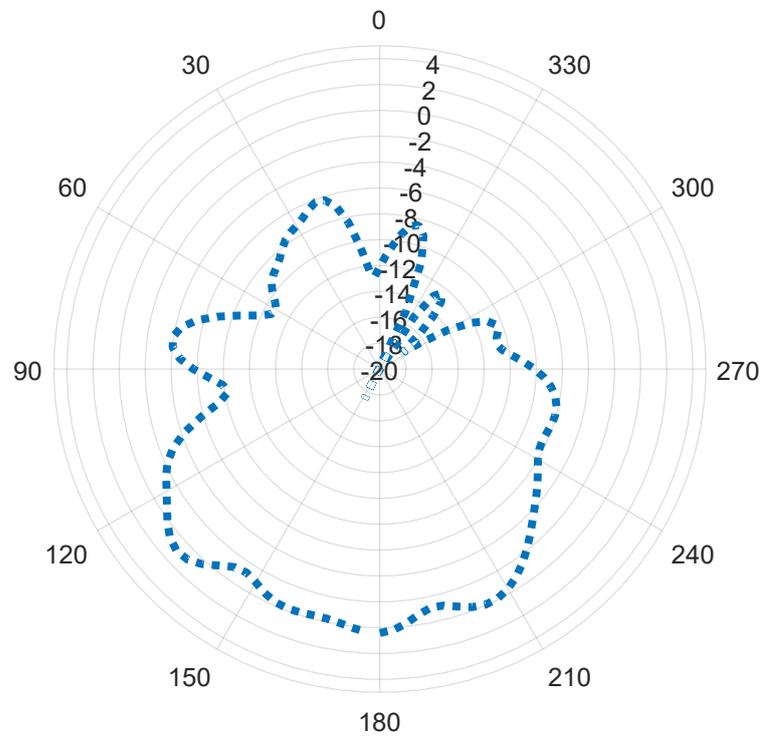**Freq = 5200 MHz Theta = 90 deg Gain**

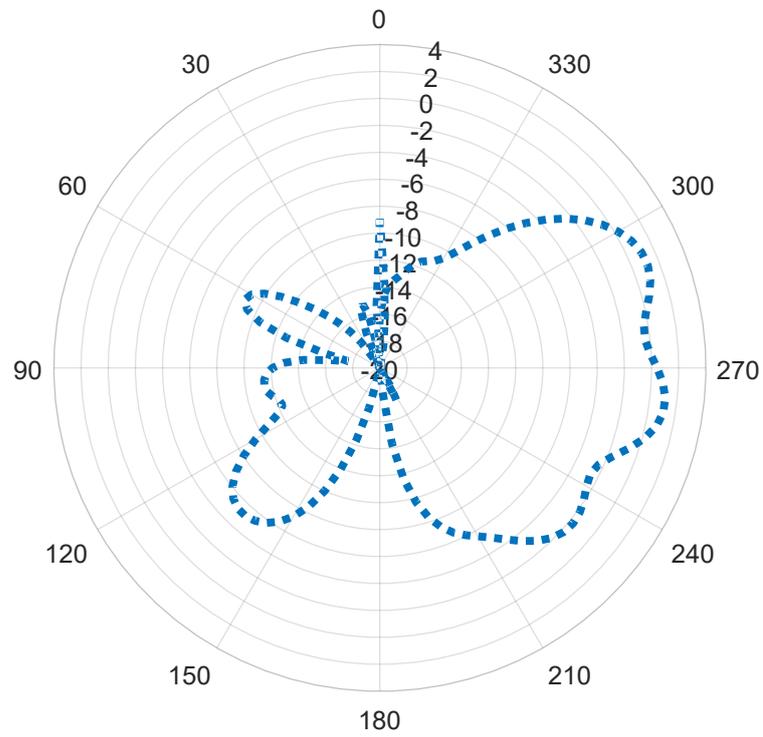## Freq = 5200 MHz Phi = 0 deg Gain

Freq = 5800 MHz Theta = 90 deg Gain

Freq = 5800 MHz Phi = 0 deg Gain

5、 Structure drawing

5.1 SDR antenna

Ant0

Ant1

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

Address of the antenna manufacturer：No.5 Chunqiu Road, Xiangcheng Dsitrict,Suzhou, Jiangsu Province

Website of the antenna manufacturer：www.inpaq.com