

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	<a href="#">0dBi@2.4~2.483GHz</a> sdr <a href="#">0dBi @5.15~5.25GHz</a> sdr <a href="#">1dBi@5.725~5.875GHz</a> sdr		
7	Efficiency	$\geq 50\%$ SDR		
8	VSWR	$\leq 2$		
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

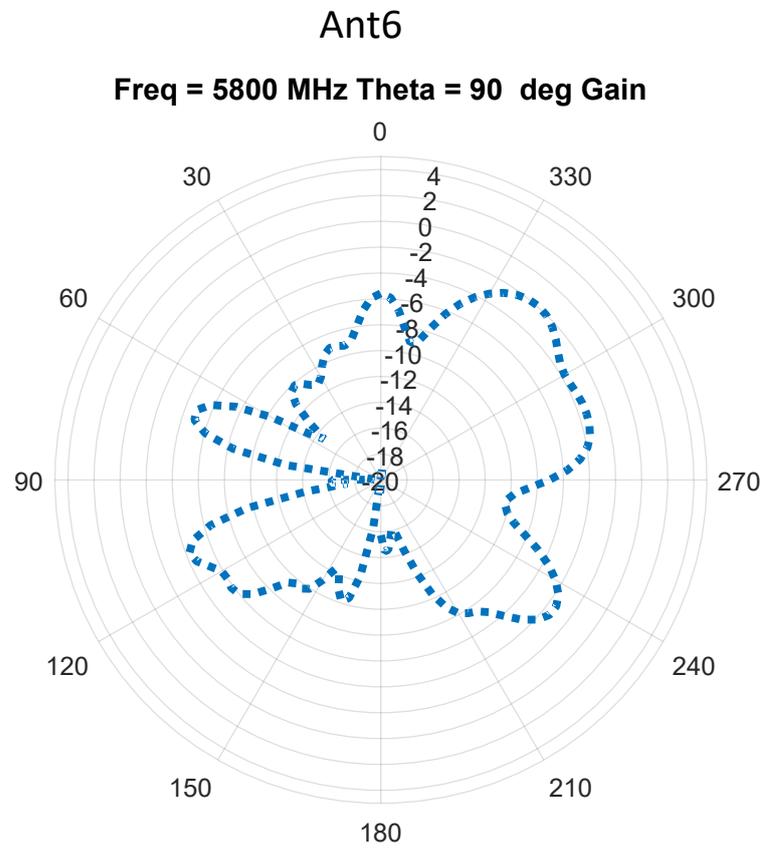
#### 3.1 sdr

Band	Frequency	Ant6	
		Gain (dBi)	Efficiency (%)
2.4G	2400MHz	-0.5	34%
	2440MHz	-0.2	35%
	2480MHz	0	36%
5.8G	5725MHz	0.6	39%
	5800MHz	0.8	40%
	5850MHz	1	41%
5.2G	5150 MHz	-0.1	36%
	5200 MHz	0	37%
	5250 MHz	-0.4	36%



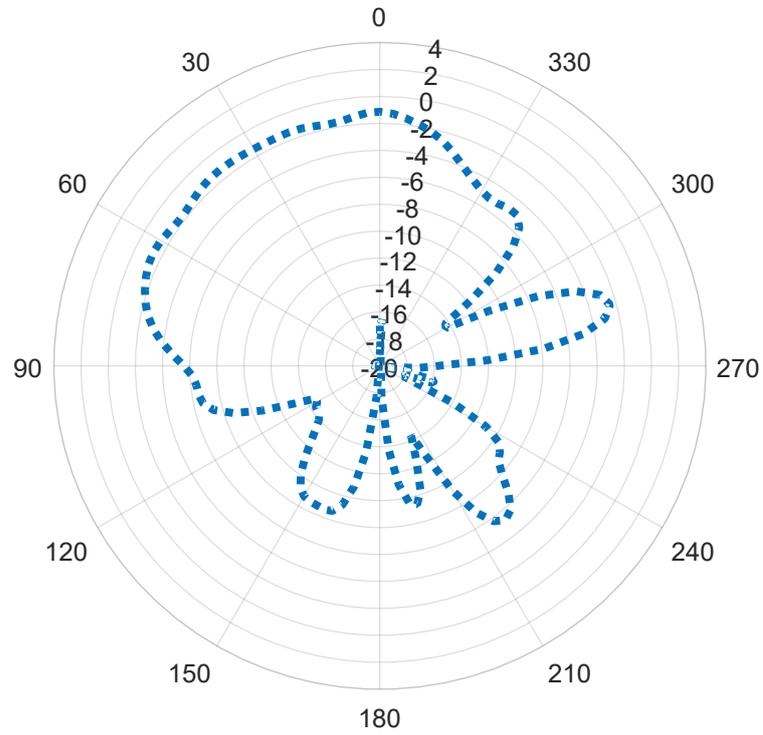
## 4、 Radiation Pattern

### 4.1 sdr antenna 2.4G radiation pattern

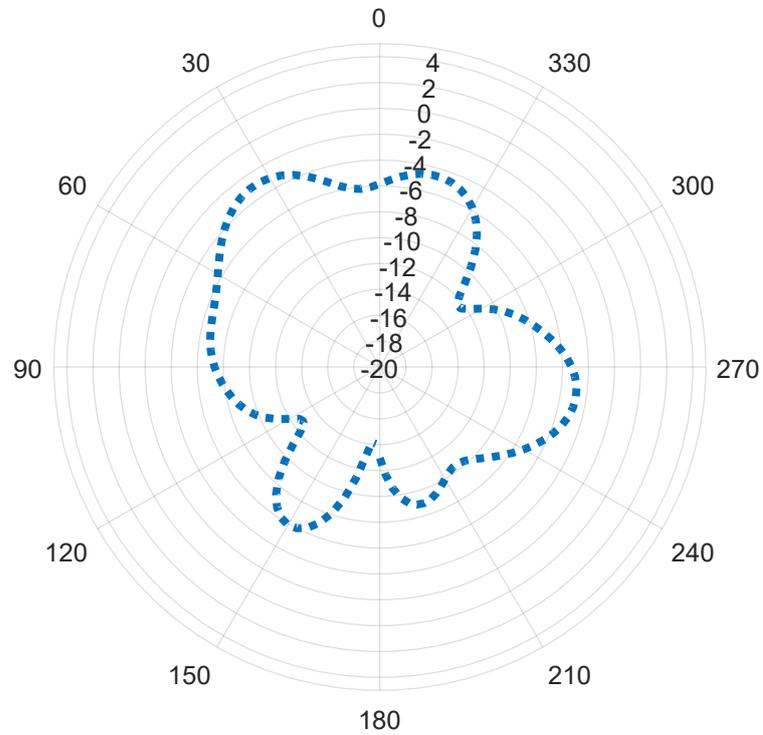




**Freq = 5800 MHz Phi = 0 deg Gain**

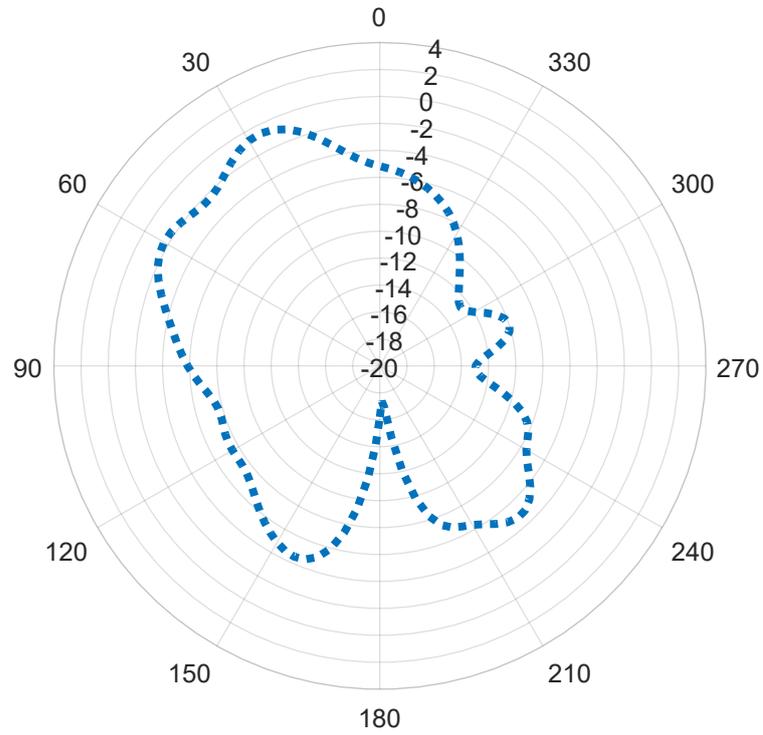


**Freq = 2440 MHz Theta = 90 deg Gain**

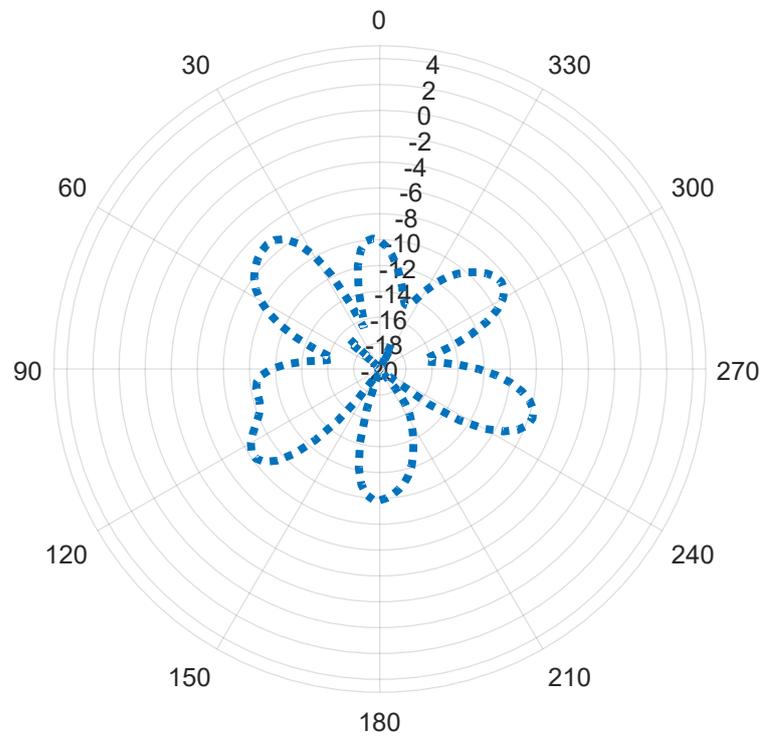




**Freq = 2440 MHz Phi = 0 deg Gain**

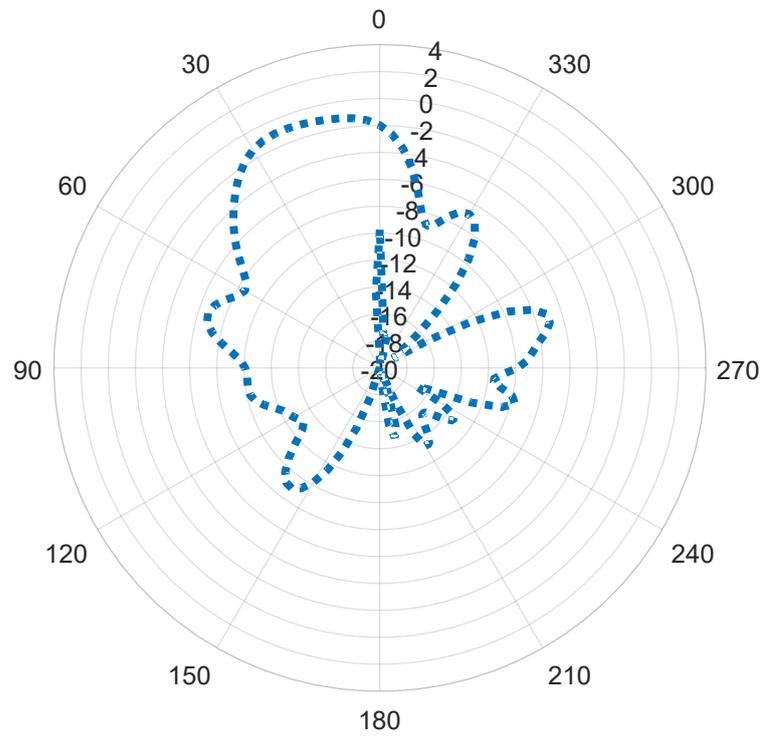


**Freq = 5200 MHz Theta = 90 deg Gain**





Freq = 5200 MHz Phi = 0 deg Gain



## 5、 Structure drawing

### 5.1 SDR antenna

Ant6



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Name of the antenna manufacturer: INPAQTECHNOLOGY(SUZHOU)  
CO., LTD.

Address of the antenna manufacturer: No.802 kexingkexueyuan,  
Nanshan District, Shenzhen, Guangdong Province

Website of the antenna manufacturer: [www.inpaqgp.com](http://www.inpaqgp.com)