

DJI Antenna Datasheet

ZV902 antenna 2/3

2023-09-04



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Stephen.Wan	2023.09.04

DJI Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	ZV902 Ant2/3		
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	3.5dBi@2.4~2.483GHz sdr 3.5dBi@5.15~5.25GHz 3.5dBi@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



3、 Antenna Gain

校准日期： 2023/08/31

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	Efficiency	Gain(dBi)
2400MHz	47%	2.4
2410MHz	49%	2.4
2420MHz	47%	2.5
2450MHz	49%	3.5



2470MHz	50%	2.3
2483MHz	48%	2.2

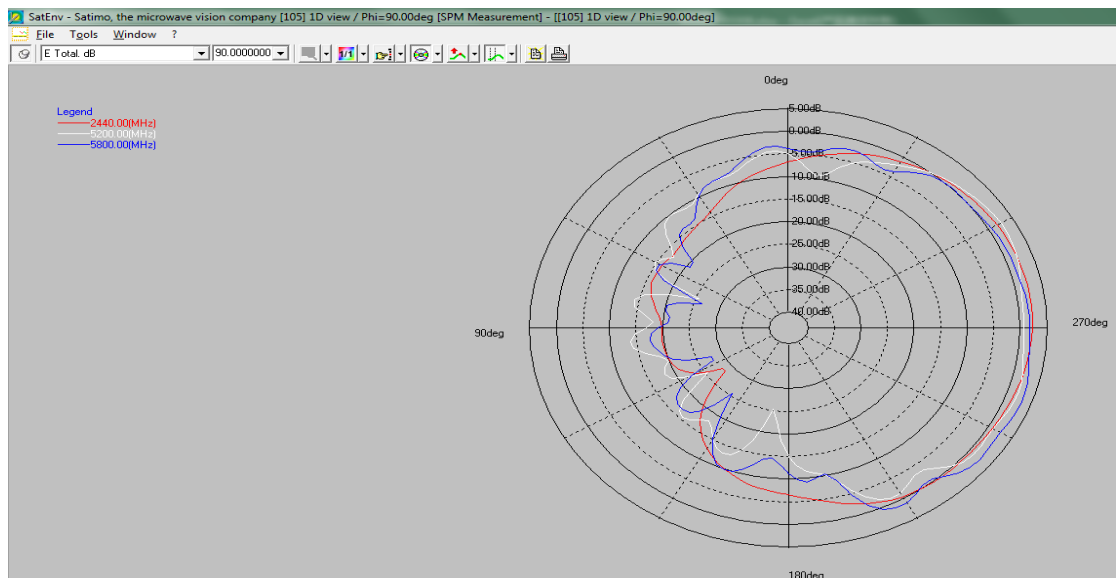
Frequency	Efficiency	Gain(dBi)
5150MHz	47%	3.2
5200MHz	49%	3.5
5250MHz	47%	3.4

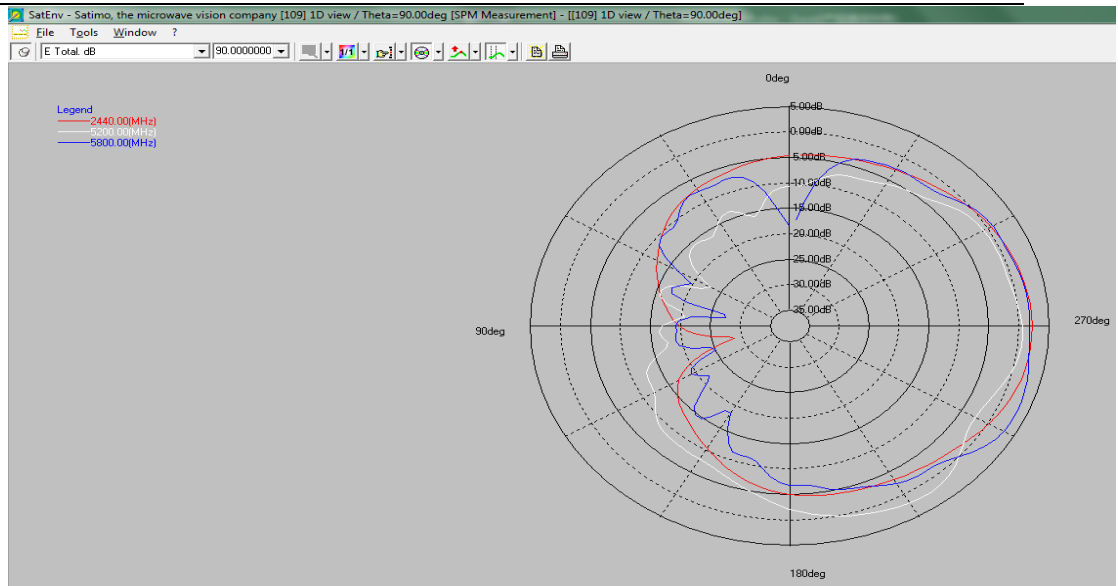
Frequency	Efficiency	Gain(dBi)
5725MHz	47%	3.2
5775MHz	49%	3.4
5800MHz	46%	3.4
5825MHz	49%	3.5
5850MHz	44%	3.3

4、 Radiation Pattern

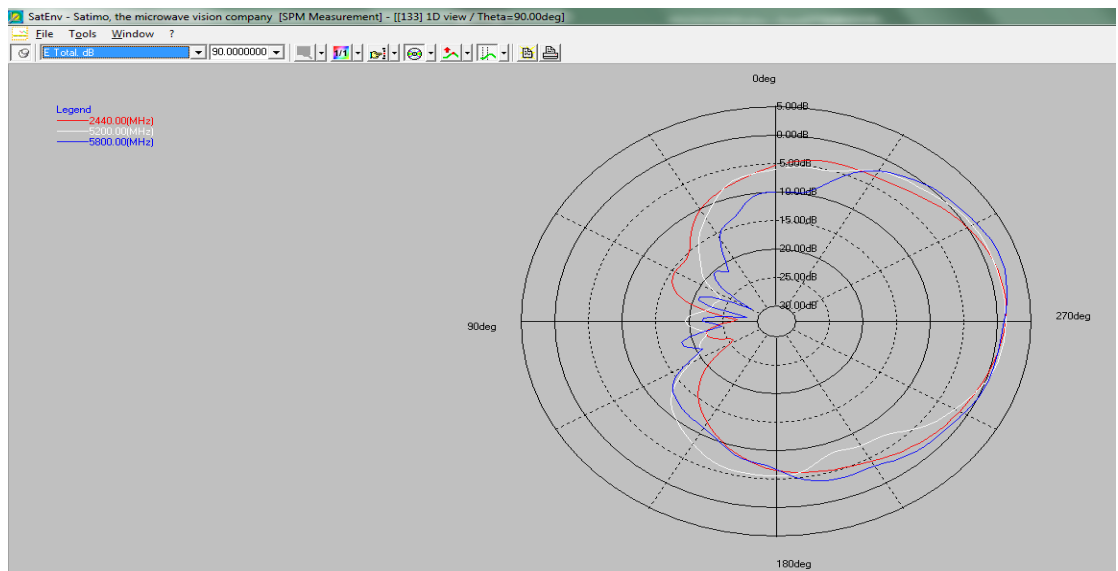
4.1 sdr antenna radiation pattern

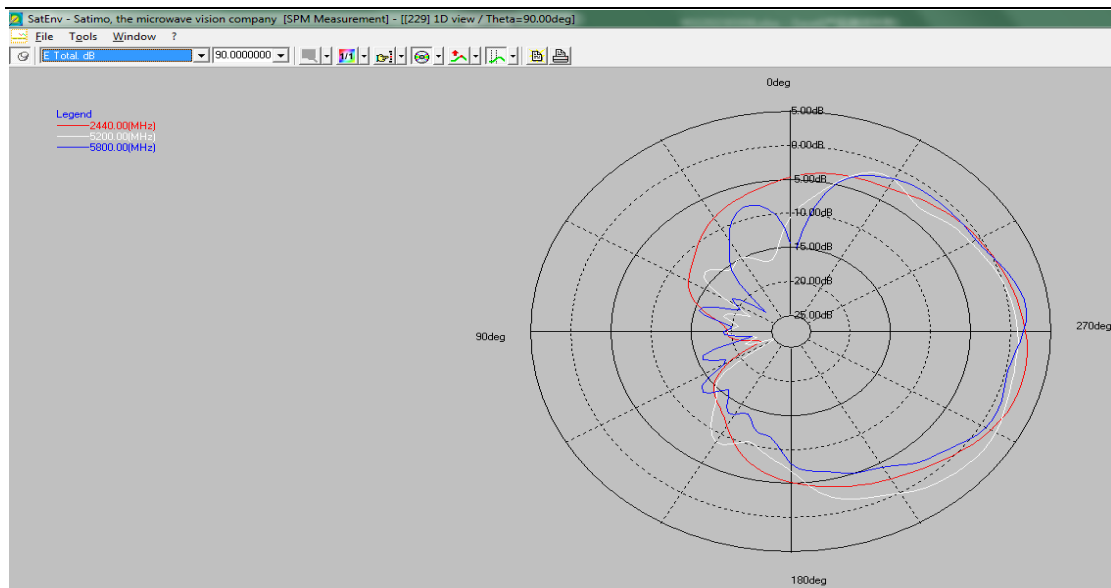
Ant2





Ant3





5、 Structure drawing

5.1 SDR antenna

Name of the antenna manufacturer: Shenzhen ZTX Communication Technology Co., LTD.

Address of the antenna manufacturer: No.34 Shilong Road, Bao'an District, Shenzhen, Guangdong Province

Website of the antenna manufacturer: www.ztxun.com



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ZV902 antenna 0/1

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6、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	ZV902 Ant0/1		
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	2dBi@2.4~2.483GHz sdr 1.5dBi@5.15~5.25GHz sdr 2.5dBi@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		

7、 Antenna Return Loss/VSWR

2.1 SDR antenna return loss



8、 Antenna Gain

校准日期： 2023/08/31

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	Efficiency	Gain(dBi)
2400MHz	58%	1.42
2410MHz	59%	1.50
2420MHz	54%	2.00
2450MHz	59%	1.77



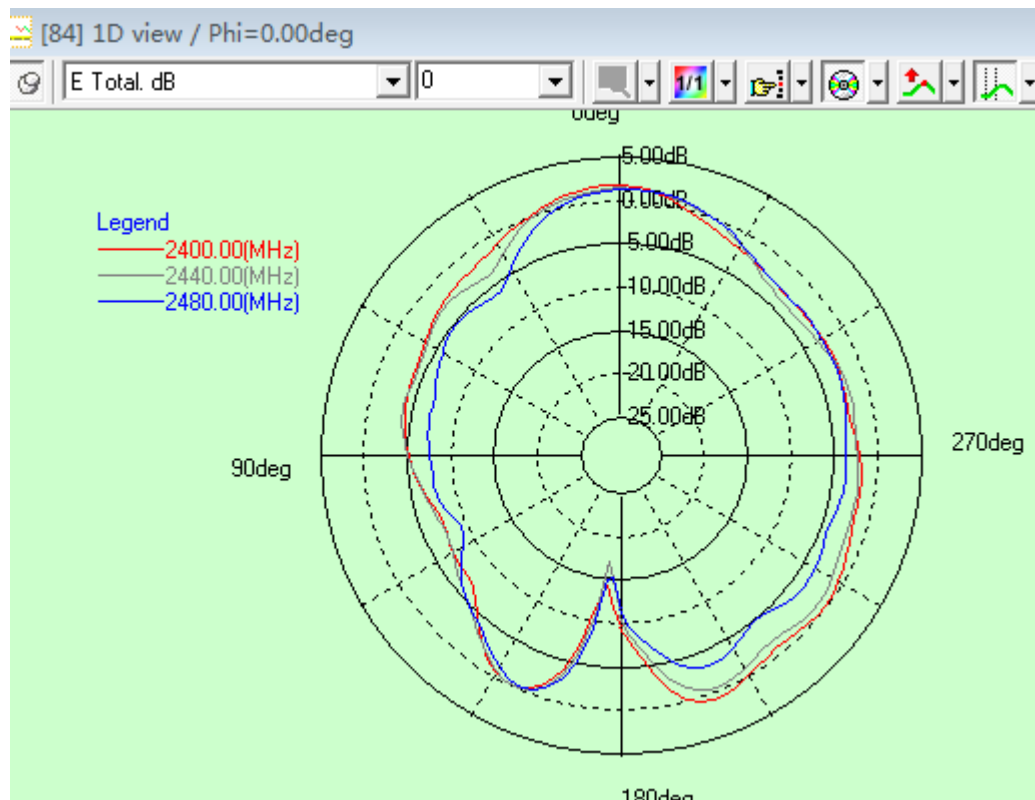
2470MHz	52%	1.11
2483MHz	53%	1.21

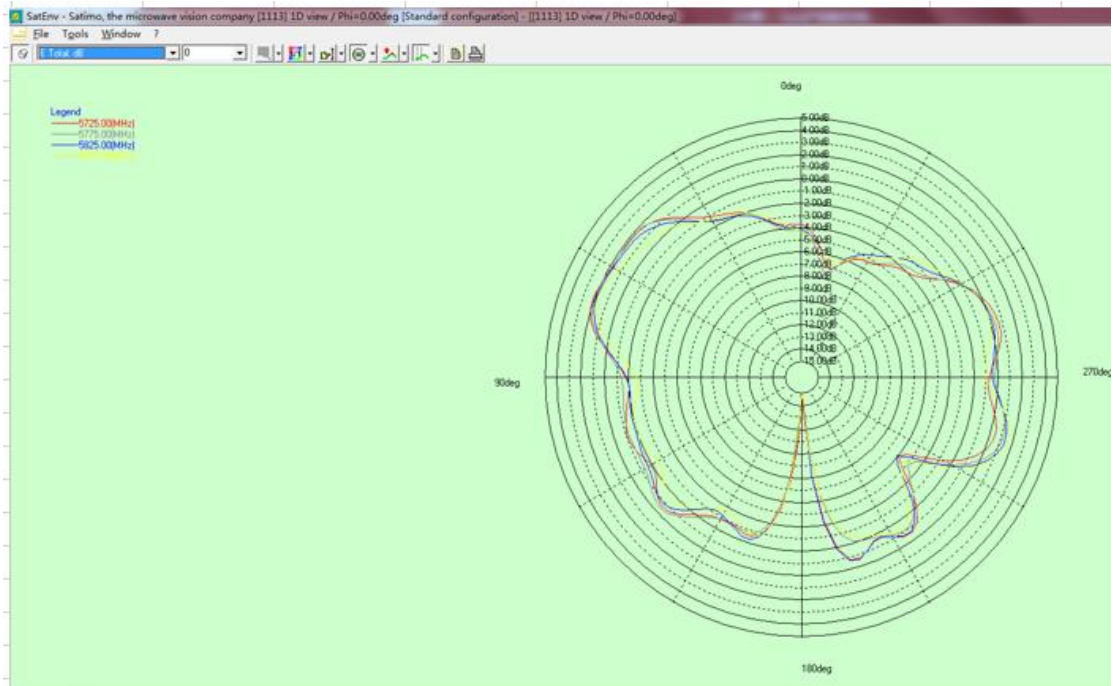
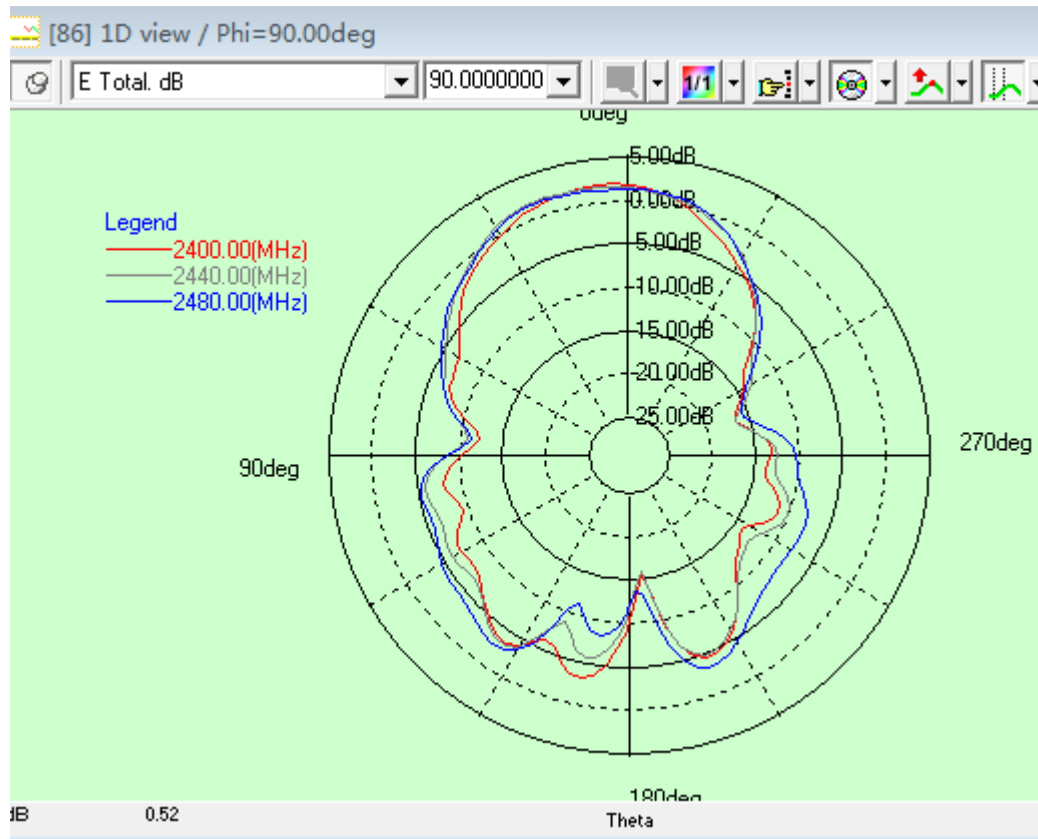
Frequency	Efficiency	Gain(dBi)
5150MHz	59%	1.20
5200MHz	56%	1.50
5250MHz	54%	1.40

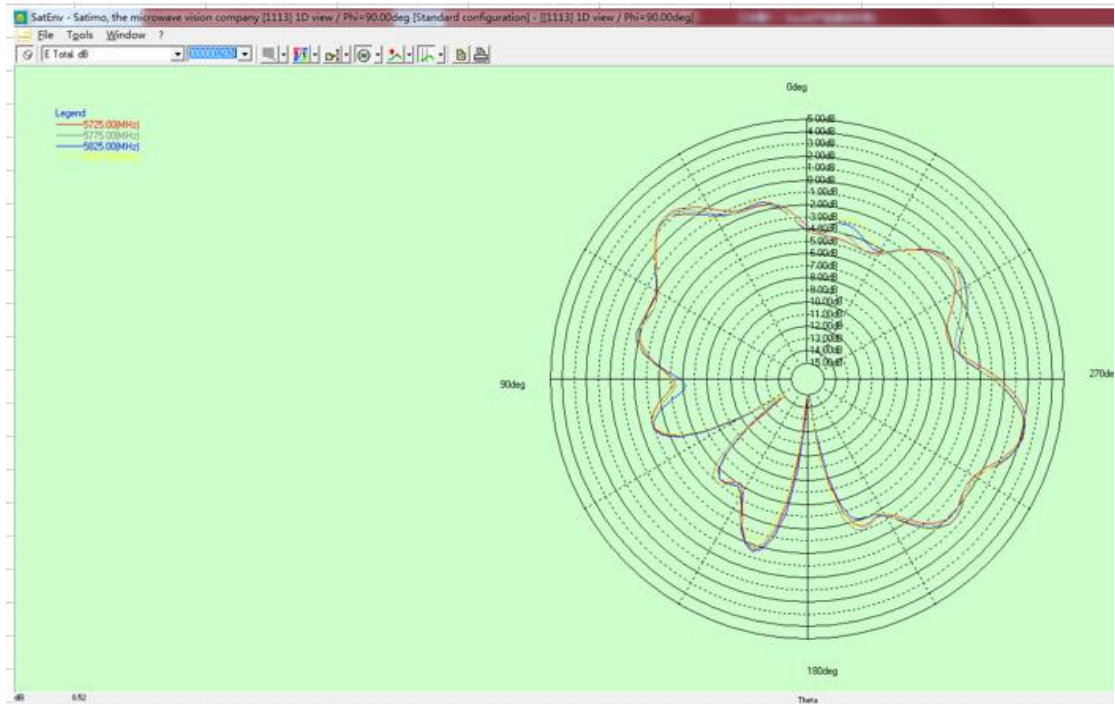
Frequency	Efficiency	Gain(dBi)
5725MHz	57%	2.50
5775MHz	59%	2.49
5800MHz	56%	2.38
5825MHz	59%	2.02
5850MHz	54%	2.27

9、 Radiation Pattern

4.1 sdr antenna radiation pattern







10、 Structure drawing

5.1 SDR antenna

Name of the antenna manufacturer : Shenzhen ZTX Communication



Technology Co., LTD.

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Shenzhen, Guangdong Province

Website of the antenna manufacturer: www.ztxun.com