

Antenna Datasheet

ZV901 antenna

2022-11-24



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Stephen.Wan	2022.11.24

Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	ZV901 Ant	Only sale for DJI
2	Brand	DJI	
3	Operation Frequency	2.4~2.483GHz; 5.725~5.85GHz	
4	Connector Type	Ipex-1	
5	Impedance	50ohm	
6	Gain	2.5dBi@2.4~2.483GHz 3dBi@5.725~5.875GHz	
7	Efficiency	$\geq 50\%$	
8	VSWR	≤ 2	
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 Return Loss/VSWR

2.1 Antenna return loss



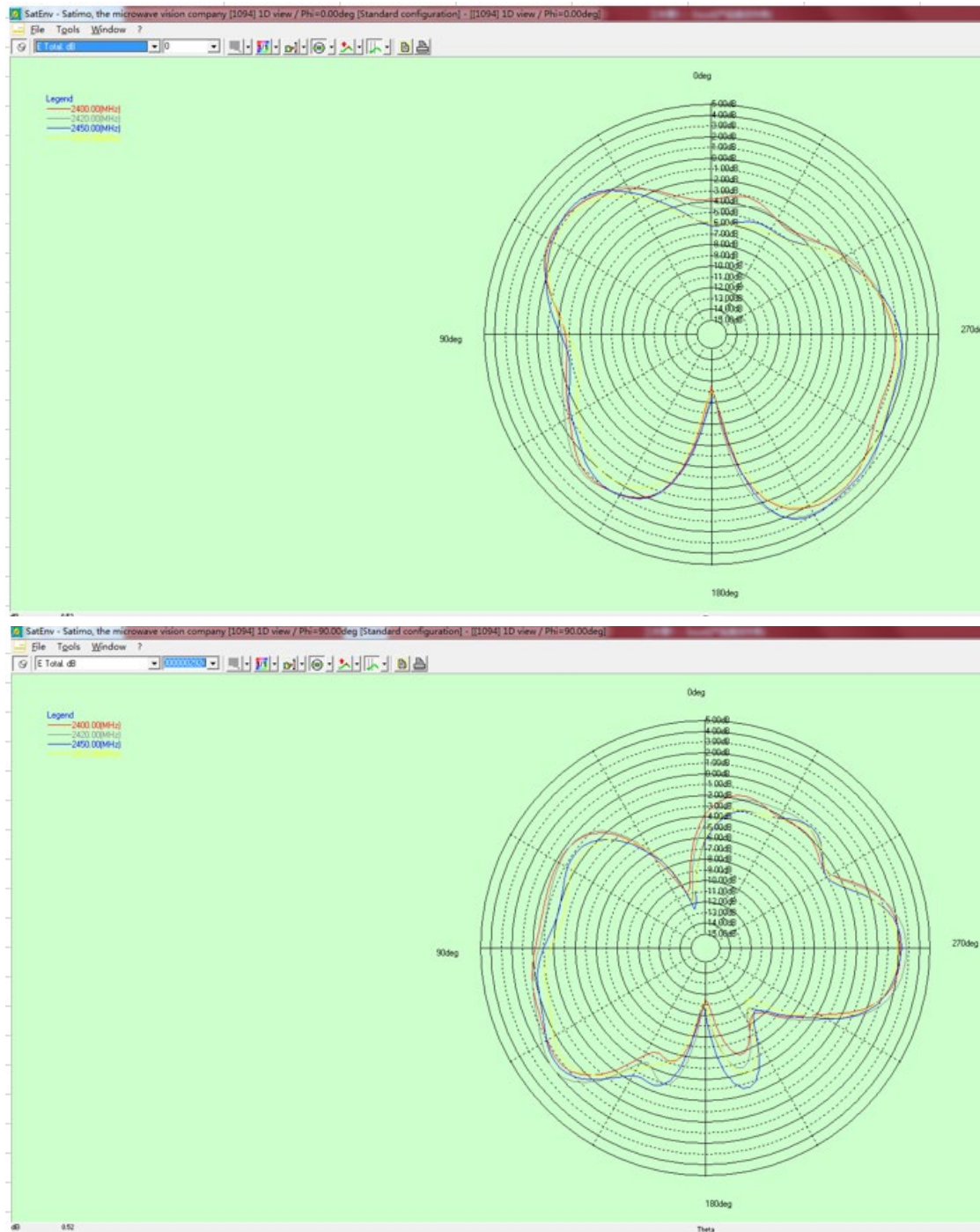
3、 Antenna Gain

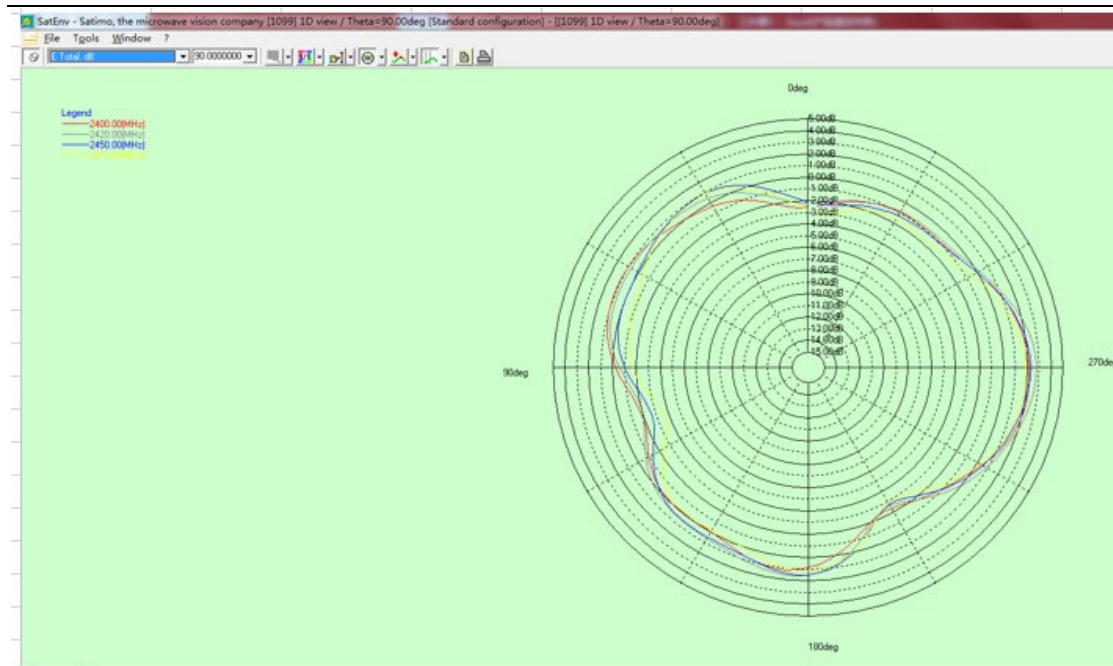
Frequency	Efficiency	Gain(dBi)
2400MHz	58%	2.42143
2410MHz	59%	2.50112
2420MHz	54%	2.36028
2450MHz	59%	2.20777
2470MHz	52%	2.1167
2480MHz	53%	2.2167

Frequency	Efficiency	Gain(dBi)
5725MHz	57%	2.85116
5775MHz	59%	2.49269
5800MHz	56%	2.93893
5825MHz	59%	3.02121
5850MHz	54%	2.93672

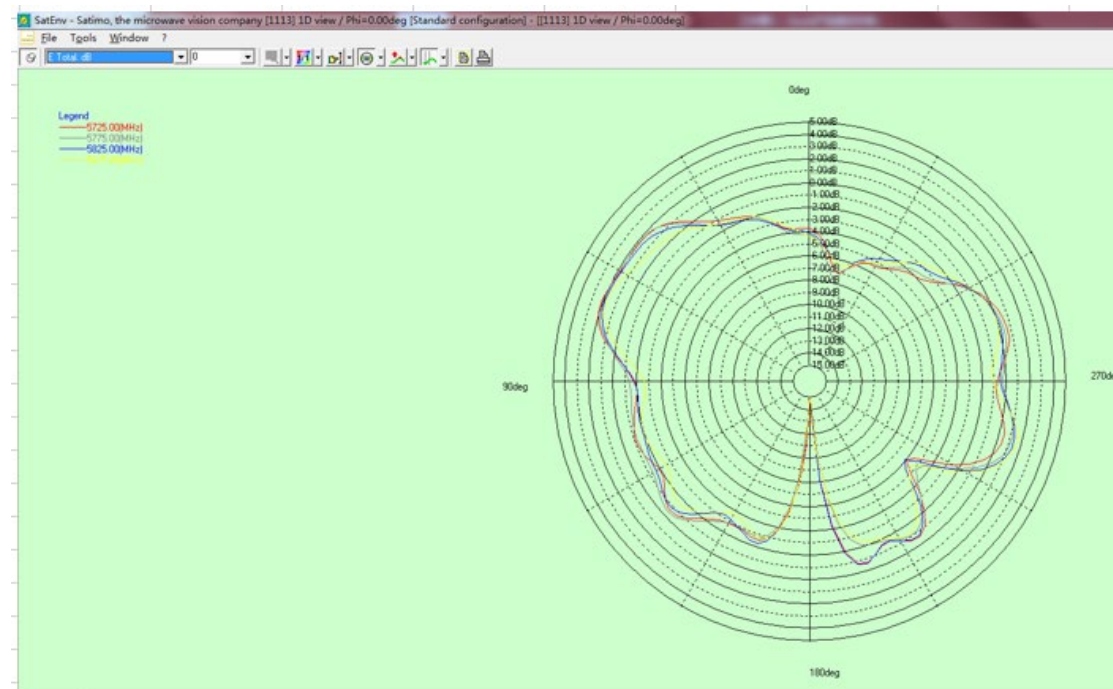
4、 Radiation Pattern

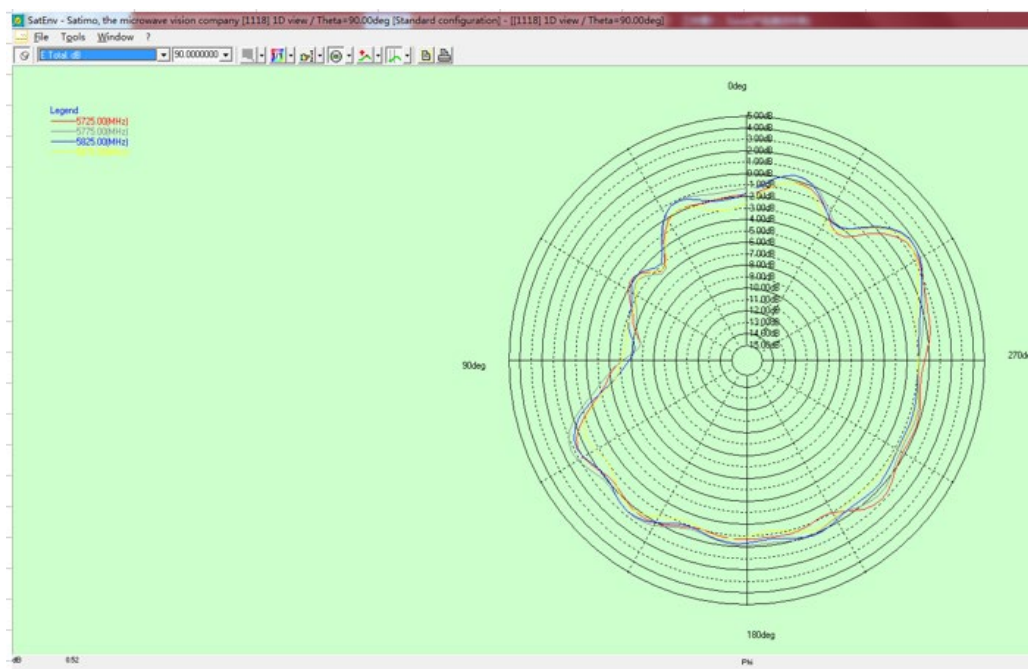
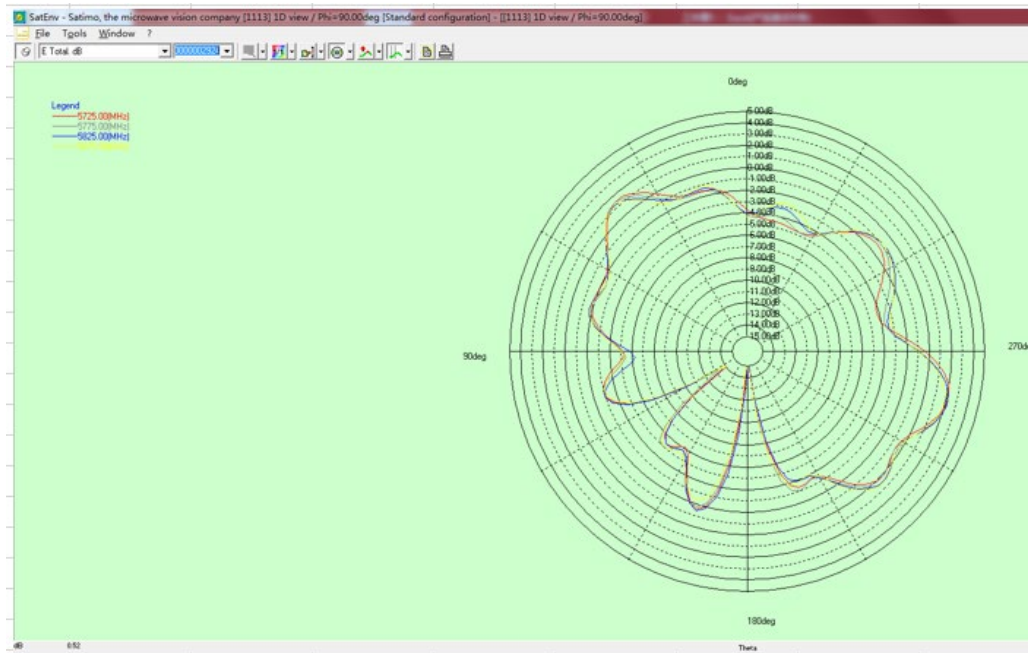
4.1 Antenna 2.4G radiation pattern





4.2 Antenna 5.8G radiation pattern





5、 Structure drawing

please refer to antenna photo.