

Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Josh.Hu	2023.2.20

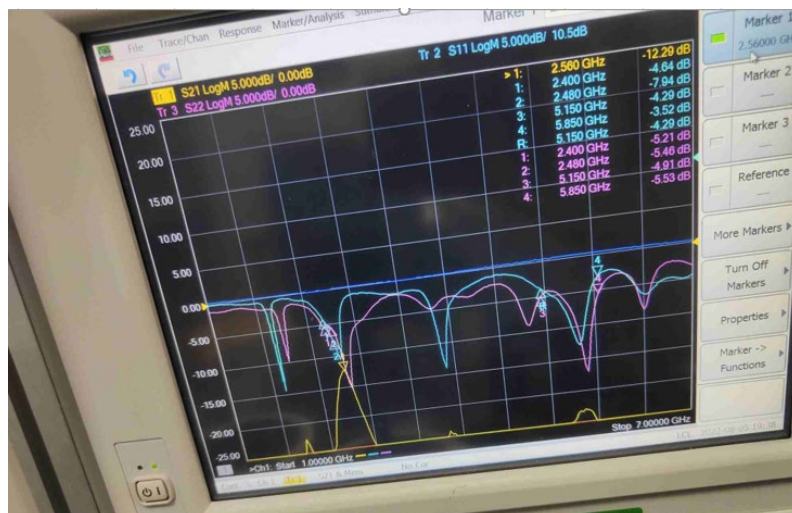
Part 1. EC2107 Camera WIFI ANT L

1 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	EC2107 Camera WIFI ANT L	Only sale for HASSELBLAD
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	0.8 dBi@2.4~2.483GHz 4.2dBi@5.15~5.25GHz 1.5dBi@5.725~5.85GHz	
7	Efficiency	≥ 15%	
8	VSWR	≤ 3.0	
9	Polarization type	Linear	
10	3dB Beam width	Omnidirectional horizontal	
11	Weight	/	
12	Antenna type	FPC Antenna	
13	Manufacturer	Kunshan Innowave	

		Communication Technology Co., Ltd.	
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2 Antenna Return Loss

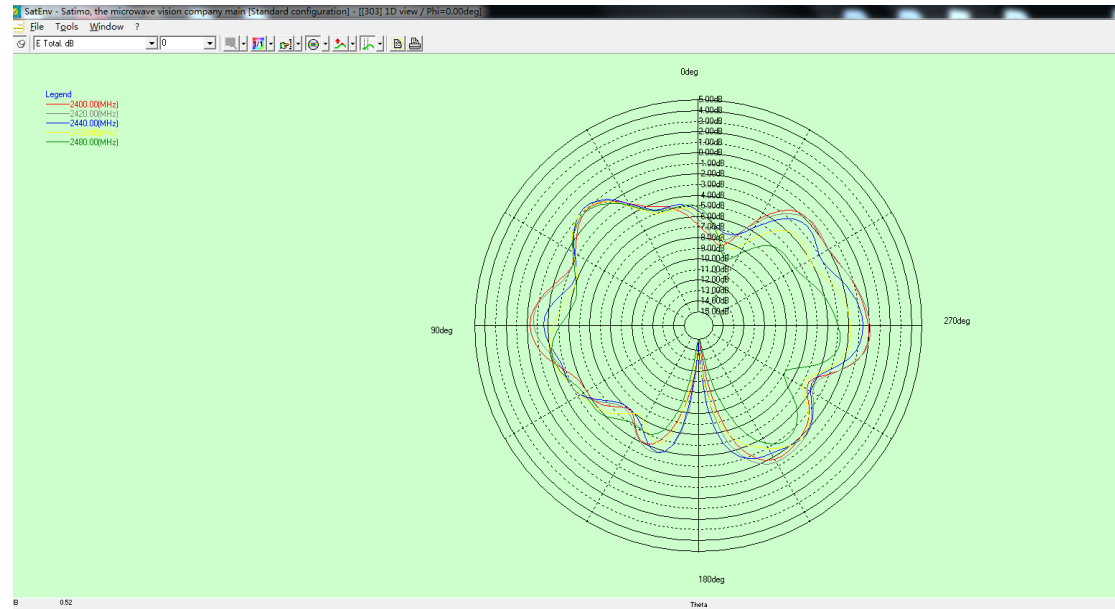


3 Antenna Gain

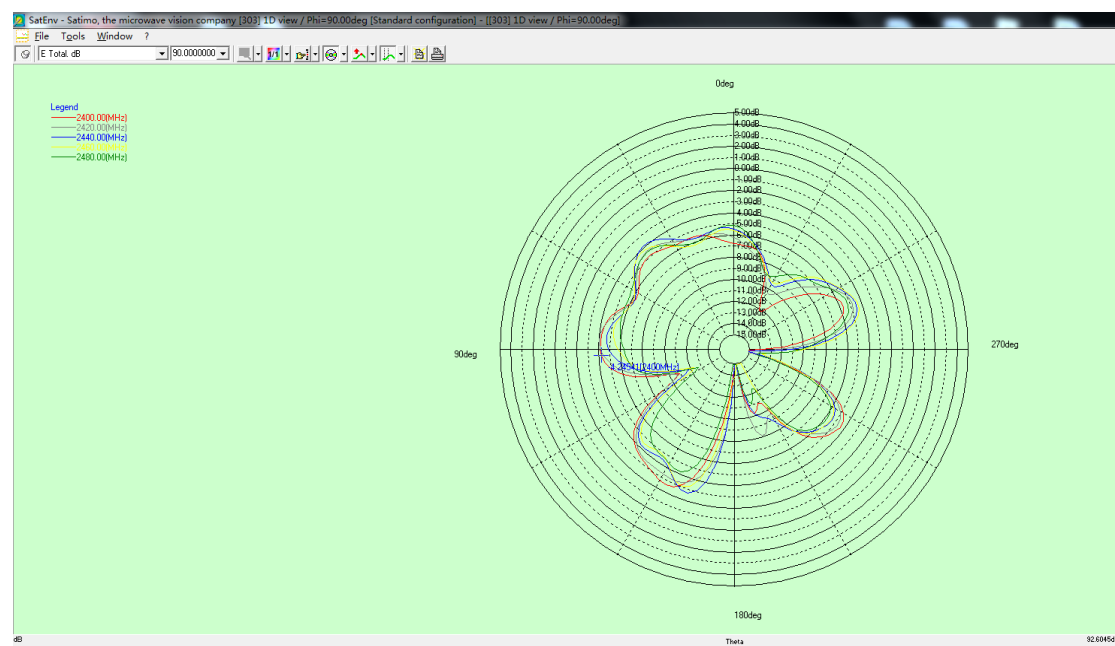
Frequency (MHz)	Efficiency	Gain(dBi)
2400MHz	42%	0.50
2410MHz	44%	0.80
2420MHz	44%	0.65
2440MHz	40%	-0.03
2450MHz	40%	-0.46
2460MHz	37%	-0.61
2470MHz	34%	-0.84
2480MHz	32%	-0.85
5150MHz	43%	3.25
5200MHz	42%	4.20
5250MHz	35%	2.99
5725MHz	22%	-0.78
5750MHz	27%	-0.43
5775MHz	30%	0.56
5800MHz	34%	1.13
5825MHz	35%	1.39
5850MHz	36%	1.50

4 Radiation Pattern

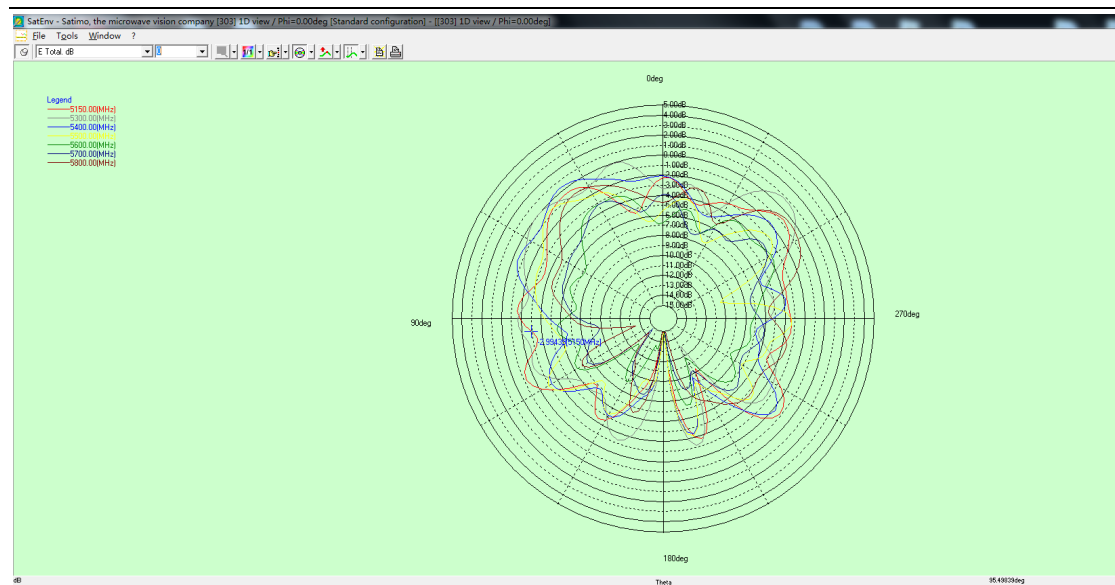
2.4G phi=0



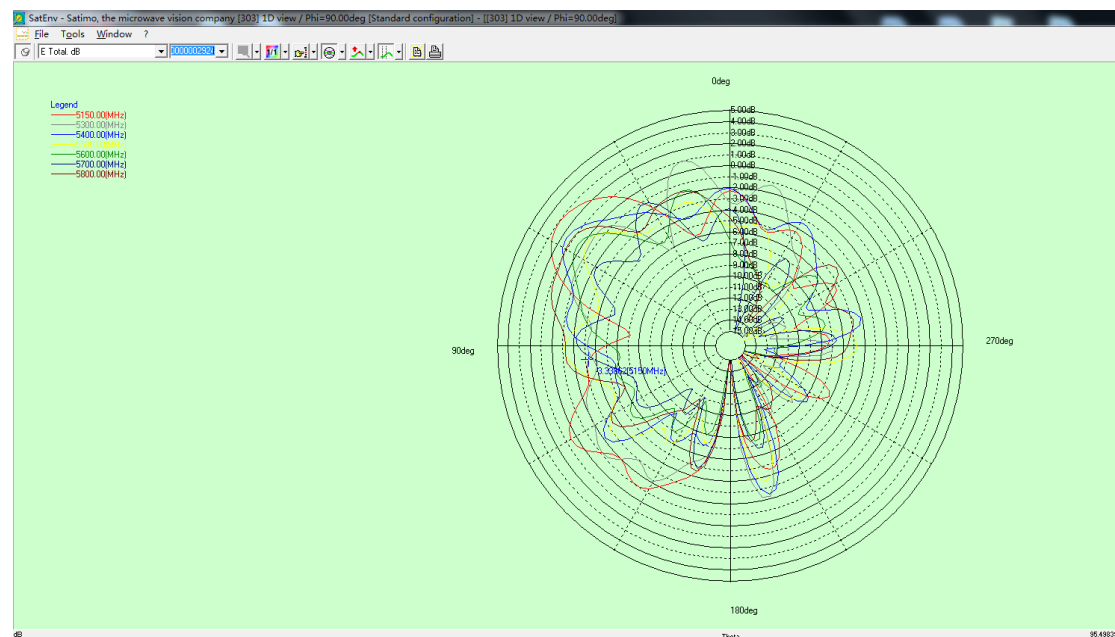
2.4G phi=90



5G PHI=0



5G PHI=90



5 Structure drawing

Please refer to antenna photo.

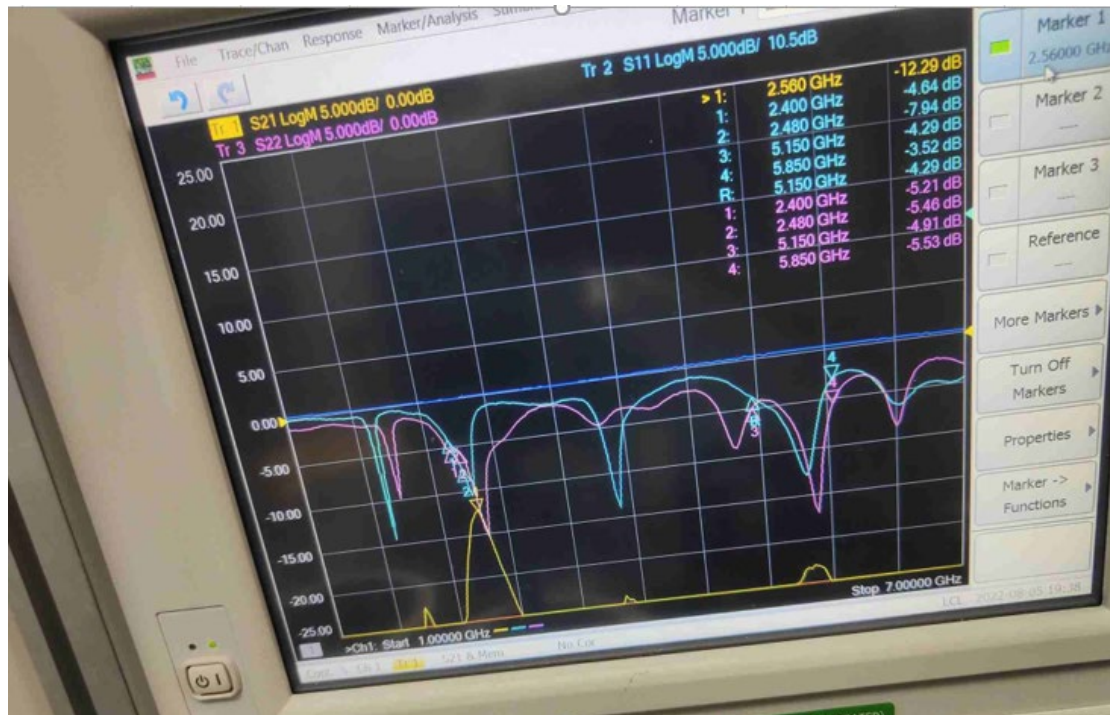


Part 2. EC2107 Camera WIFI ANT1 R

1 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	EC2107 Camera WIFI ANT R	
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	3.0 dBi@2.4~2.483GHz 0.70 dBi@5.15~5.25GHz 2.5dBi@5.725~5.85GHz	
7	Efficiency	≥15%	
8	VSWR	≤3.0	
9	Polarization type	Linear	
10	3dB Beamwidth	Omnidirectional horizontal	
11	Weight	NA	
12	Antenna type	FPC Antenna	
13	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.	

2 Antenna Return Loss



3 Antenna Gain

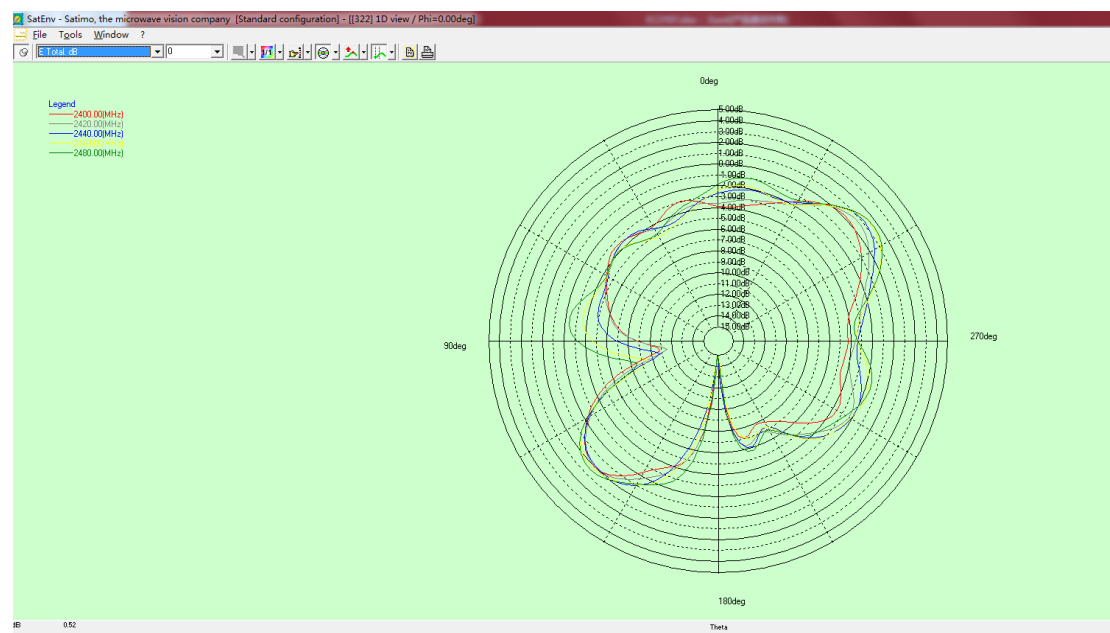
Frequency (MHz)	Efficiency	Gain(dBi)
2400MHz	41%	1.18
2410MHz	44%	1.70
2420MHz	44%	1.89
2440MHz	47%	2.33
2450MHz	49%	2.53
2460MHz	49%	2.68
2470MHz	49%	2.72
2480MHz	50%	3.0
5150MHz	20%	0.32
5200MHz	20%	0.43
5250MHz	24%	0.70
5725MHz	49%	2.50
5750MHz	43%	1.39
5775MHz	35%	0.74



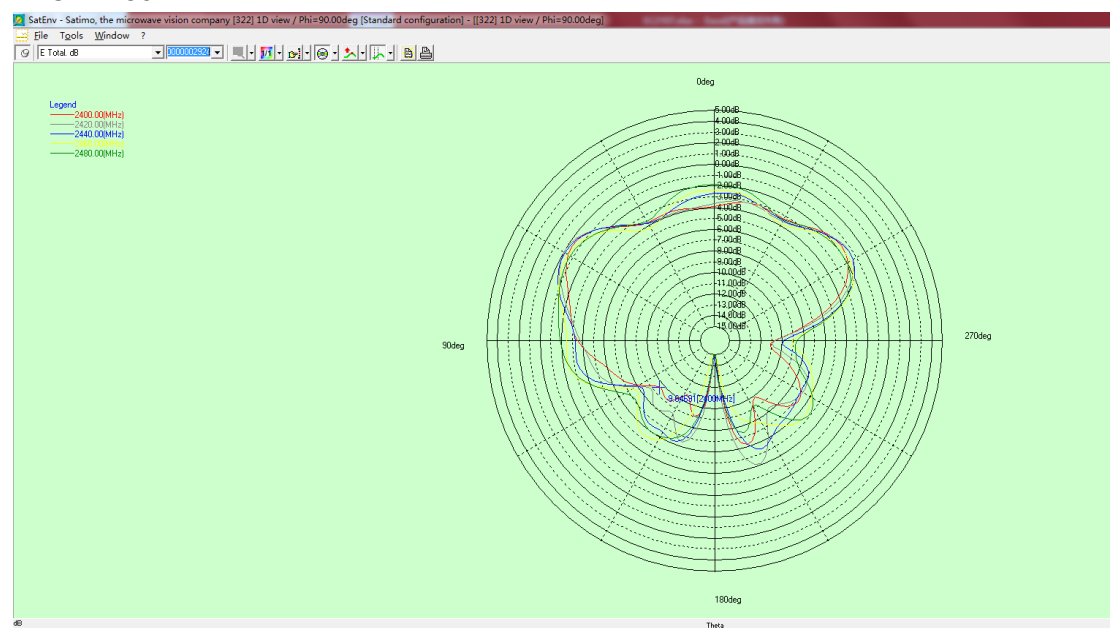
5800MHz	29%	0.09
5825MHz	22%	-0.73
5850MHz	18%	-1.66

4 Radiation Pattern

2.4G PHI=0

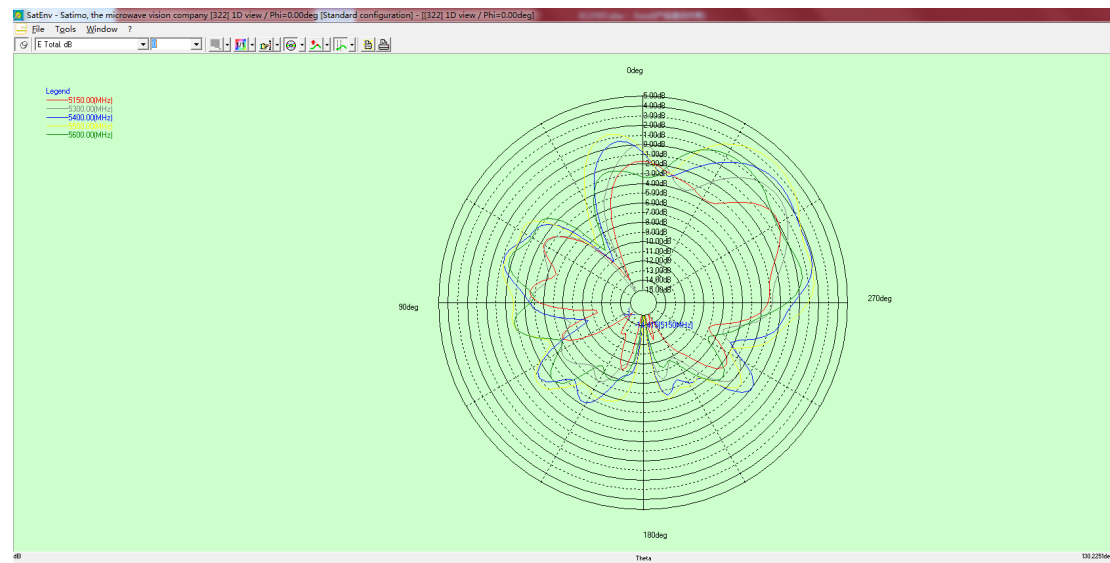


2.4G PHI=90

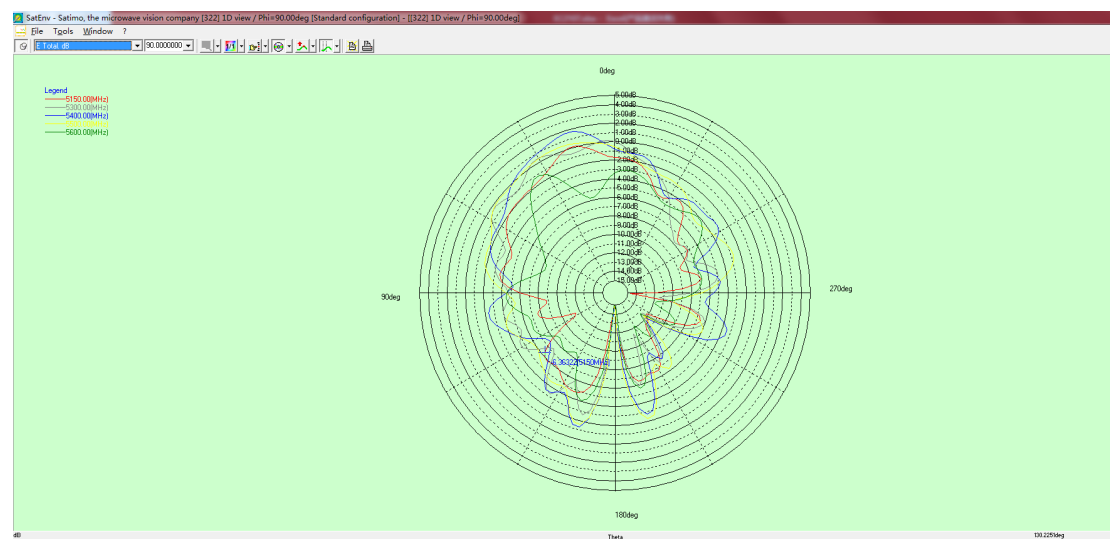




5G PHI=0



5G PHI=90





5 Structure drawing

Please refer to antenna photo.