
DJI Antenna Datasheet
TA101 Antenna

CONFIDENTIAL



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Revision history

Version	Change notes	Modificator	Date
V1.0	First draft.	Lan. Cui	2022.12.06



1. SDR Antenna0 & Antenna1

1.1 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	TA101 SDR Ant Front		
2	Brand	DJI		
3	Operation Frequency	2.4~2.483GHz; 5.725~5.875GHz		
4	Connector Type	SSMA		
5	Impedance	50ohm		
6	Gain	4.2dBi@2.4~2.483GHz 4.0dBi@5.725~5.875GHz		
7	Efficiency	$\geq 43\%$		
8	VSWR	≤ 2		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	manufacture	Kunshan Innowave Communication Technology Co., Ltd Address: Building H, Golden Land Intelligent Manufacturing Park, No. 55 Shengchuang Road, Yushan Town, Kunshan City, Jiangsu Province, China		

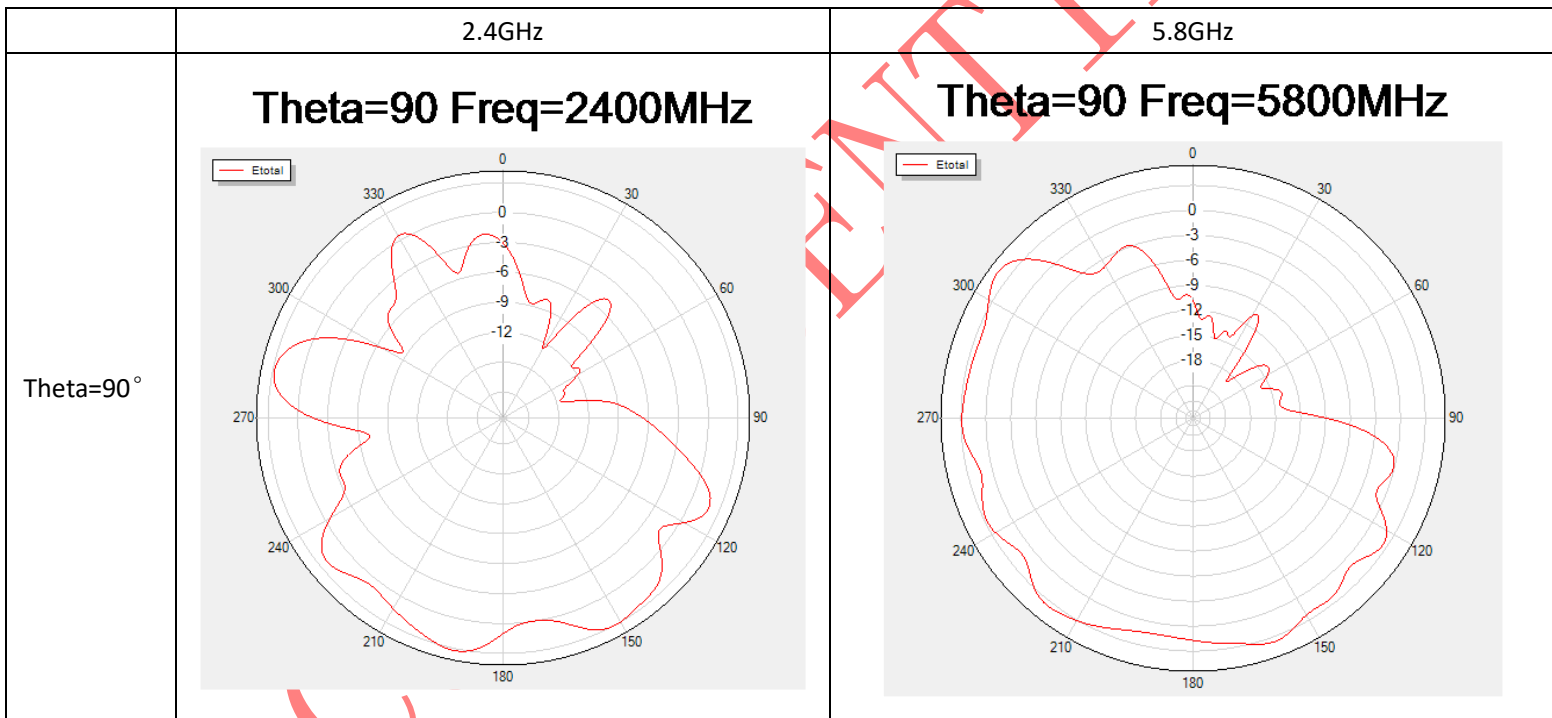
1.2 Gain & Efficiency



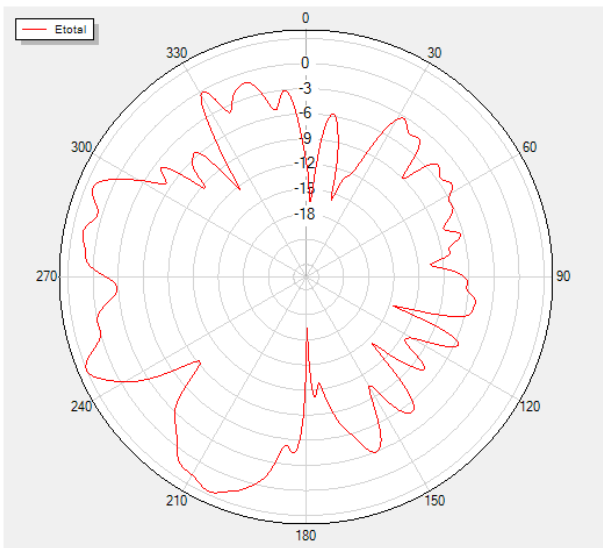
频率	Gain (dB)
2400MHz	2.68
2420MHz	3.11
2440MHz	3.61
2460MHz	3.99
2480MHz	4.2
5725MHz	3.77
5750MHz	3.76
5800MHz	3.77
5820MHz	3.77
5850MHz	3.97

频率	Efficiency
2400MHz	42.66%
2420MHz	43.55%
2440MHz	44.77%
2460MHz	57.28%
2480MHz	58.48%
5725MHz	58.08%
5750MHz	56.36%
5800MHz	56.10%
5820MHz	54.58%
5850MHz	54.70%

1.3 radiation pattern

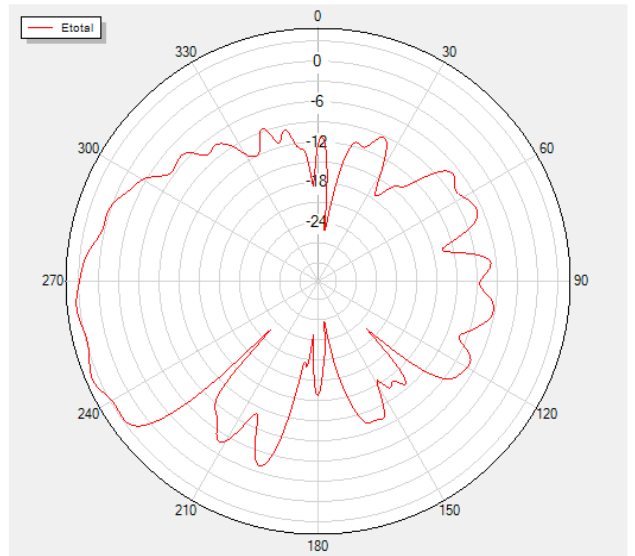


Phi=90 Freq=2400MHz

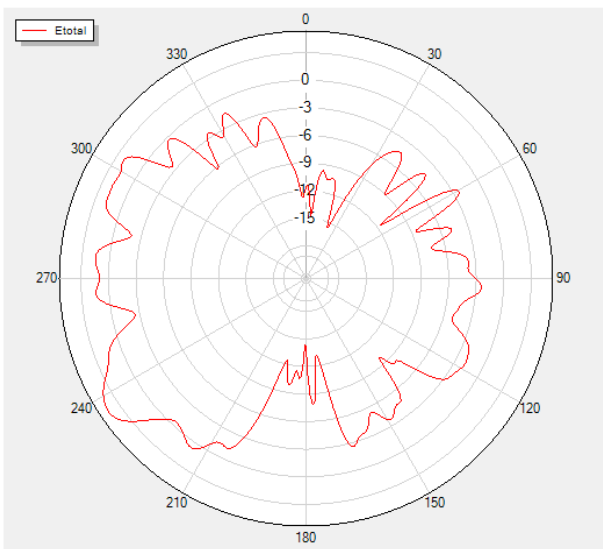


$\Phi = 90^\circ$

Phi=90 Freq=5800MHz

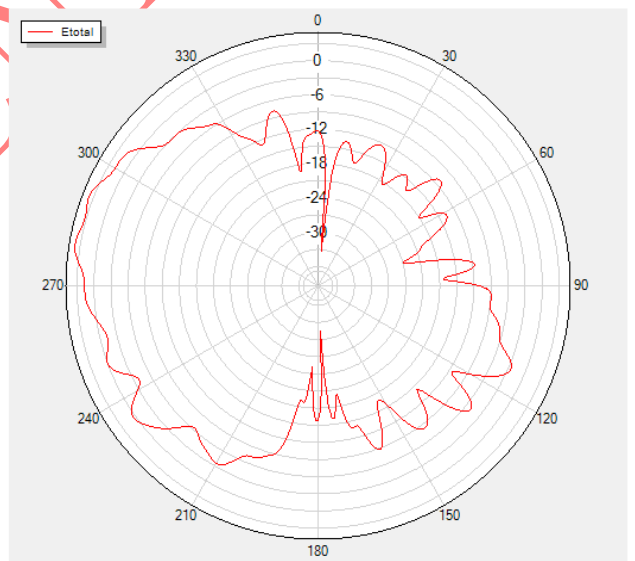


Phi=0 Freq=2400MHz

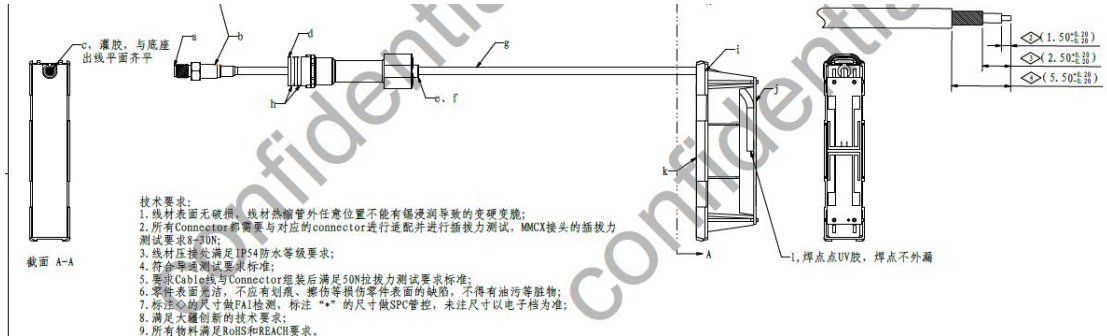


$\Phi = 0^\circ$

Phi=0 Freq=5800MHz



1.4 Structure drawing



2. SDR Antenna2 & Antenna3

2.1 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	TA101 SDR Ant Back	
2	Brand	DJI	
3	Operation Frequency	2.4~2.483GHz; 5.725~5.875GHz	
4	Connector Type	SSMA	
5	Impedance	50ohm	
6	Gain	4.24dBi@2.4~2.483GHz 4.0dBi@5.725~5.875GH	
7	Efficiency	$\geq 38\%$	



8	VSWR	≤ 2		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Manufacture	Kunshan Innowave Communication Technology Co., Ltd Address: Building H, Golden Land Intelligent Manufacturing Park, No. 55 Shengchuang Road, Yushan Town, Kunshan City, Jiangsu Province, China		

2.2 Gain & Efficiency

频率	Gain (dB)
2400MHz	4.24
2420MHz	4.1
2440MHz	4.12
2460MHz	4.01
2480MHz	3.75
5725MHz	3.91
5750MHz	3.67
5800MHz	3.27
5820MHz	3.31
5850MHz	3.51

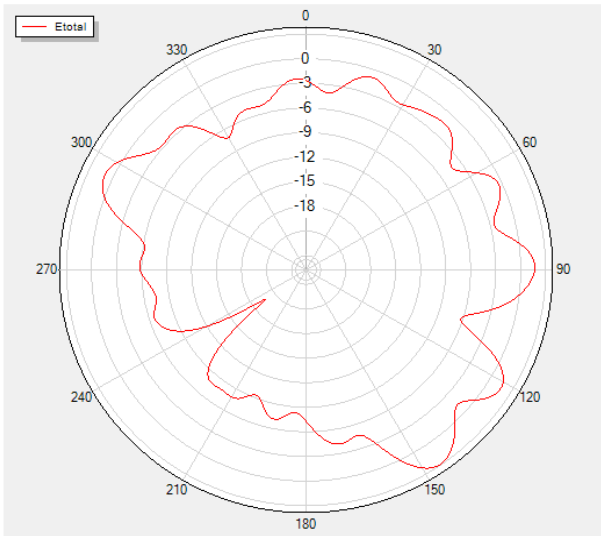
频率	Efficiency
2400MHz	46.13%
2420MHz	47.97%
2440MHz	49.66%
2460MHz	51.40%
2480MHz	51.64%
5725MHz	40.09%
5750MHz	39.36%
5800MHz	37.84%
5820MHz	38.19%
5850MHz	39.17%

2.3 radiation pattern

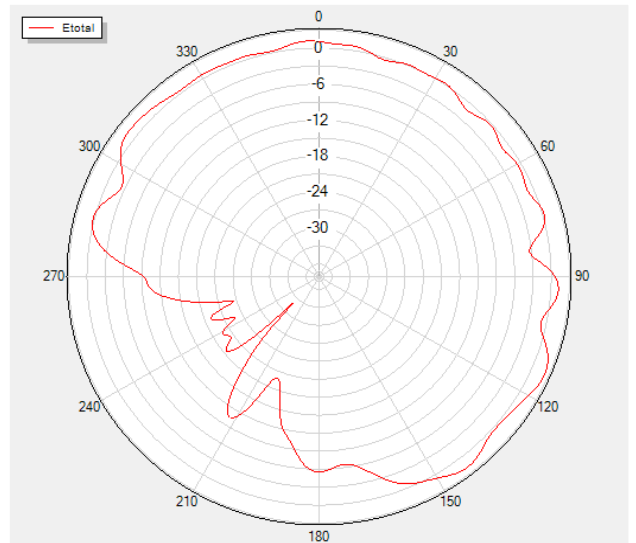
	2.4GHz	5.8GHz
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Theta=90 Freq=2400MHz

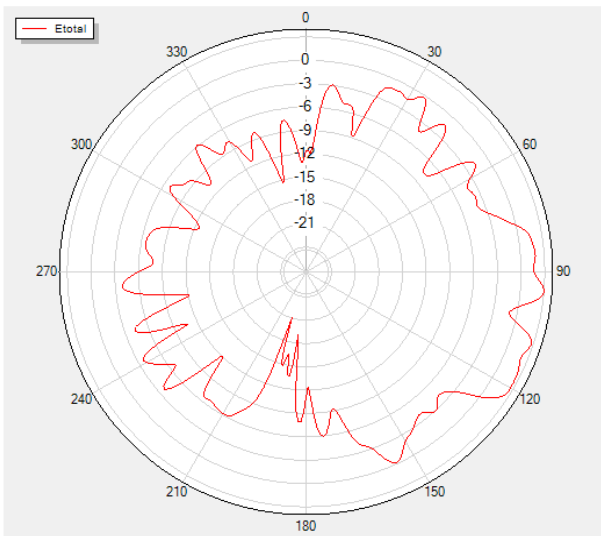


Theta=90 Freq=5800MHz

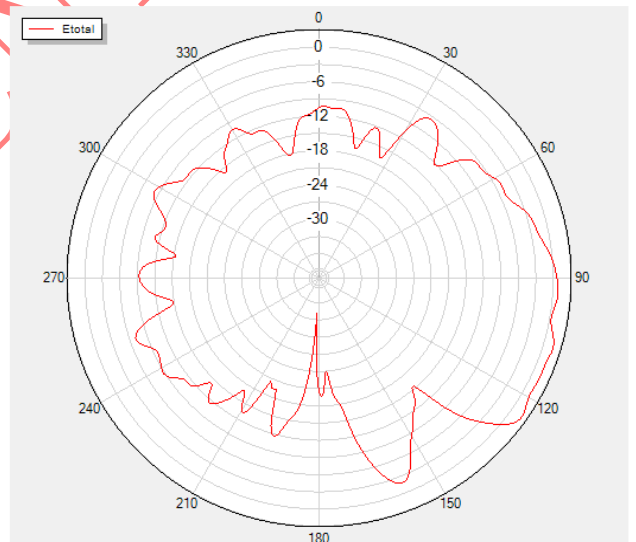


Theta=90°

Phi=90 Freq=2400MHz

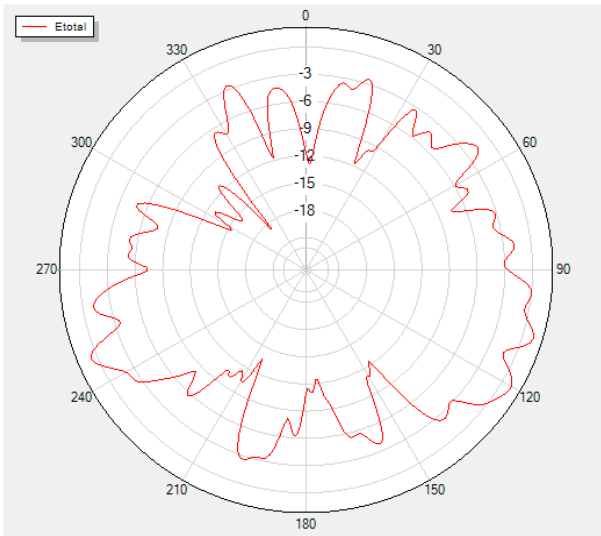


Phi=90 Freq=5800MHz

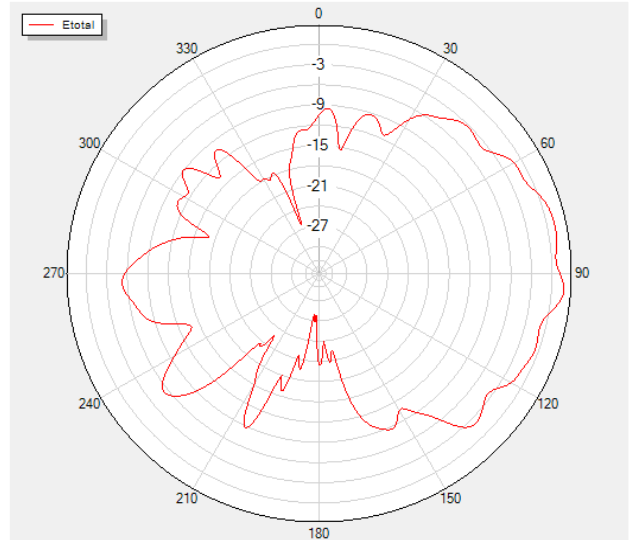


Phi=90°

Phi=0 Freq=2400MHz

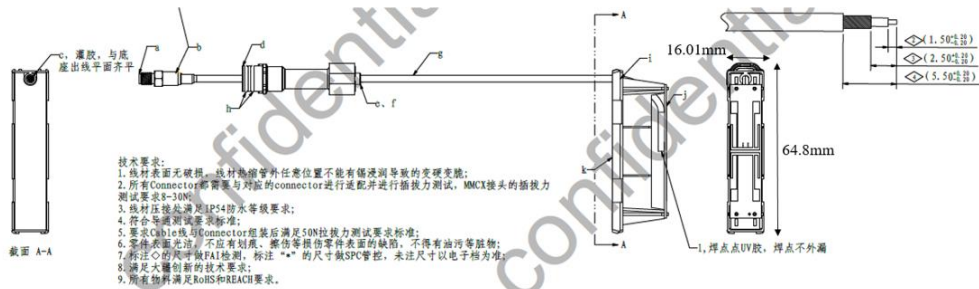


Phi=0 Freq=5800MHz



Phi=0°

2.4 Structure drawing



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