
DJI Antenna Datasheet

EA600 antenna

CONFIDENTIAL



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Zhe.Peng	2024.10.20

CONFIDENTIAL



DJI Antenna Datasheet Ant0

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<u>EA600 SDR Ant0</u>		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.4~2.483GHz;</u> <u>5.125-5.25GHz;</u> <u>5.725~5.85GHz</u>		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	3.0dBi@2.4~2.483GHz sdr 5.0dbi@5.2GHz sdr 5.0dBi@5.725~5.875GHz sdr		
7	Efficiency	$\geq 60\%$ SDR		
8	VSWR	≤ 2.5		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	Dipole		
13	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.		

2、 Antenna Return Loss/VSWR

Frequency	Efficiency	Gain(dBi)
2400MHz	68%	3.0
2410MHz	66%	2.7
2420MHz	63%	2.5
2450MHz	62%	2.5
2470MHz	60%	2.0
2483MHz	61%	2.5

Frequency	Efficiency	Gain(dBi)
5150MHz	70%	5.0
5200MHz	71%	4.9
5725MHz	64%	4.5
5775MHz	70%	4.9
5800MHz	72%	5.0
5825MHz	68%	4.5
5850MHz	66%	4.8

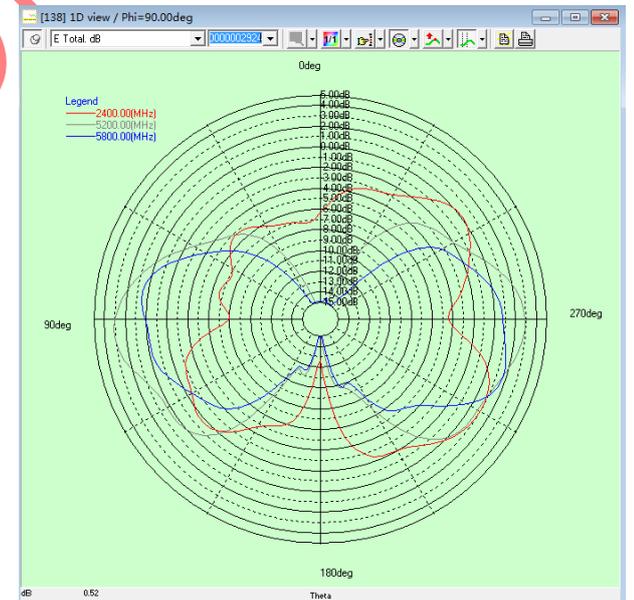
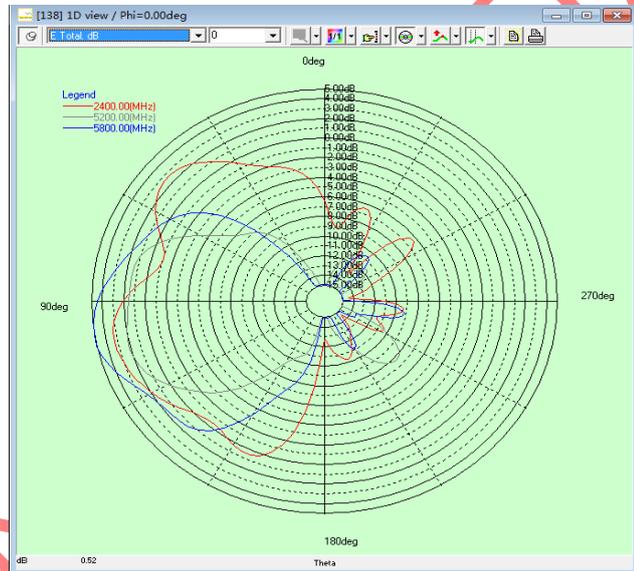
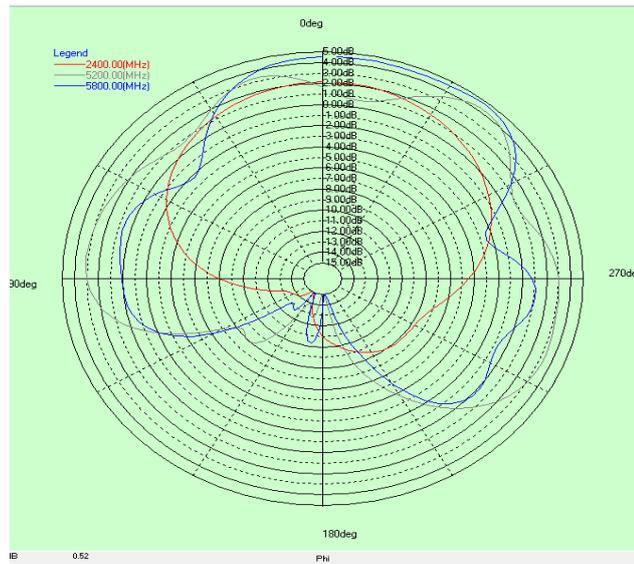
3、 Antenna Pattern

Measurement System: Satimo SG24

Reference Position



Antenna Pattern:



COM



DJI Antenna Datasheet Ant1

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<u>EA600 SDR Ant1</u>		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.4~2.483GHz;</u> <u>5.125-5.25GHz;</u> <u>5.725~5.85GHz</u>		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	3.0dBi@2.4~2.483GHz sdr 4.5dbi@5.2GHz sdr 5dBi@5.725~5.875GHz sdr		
7	Efficiency	$\geq 60\%$ SDR		
8	VSWR	≤ 2.5		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	Dipole		
13	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.		

2、 Antenna Return Loss/VSWR

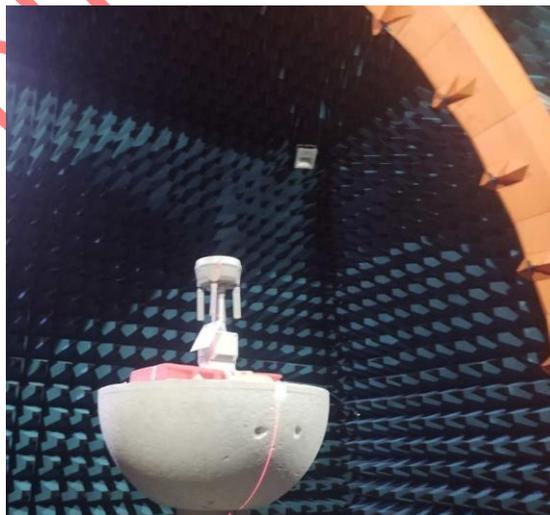
Frequency	Efficiency	Gain(dBi)
2400MHz	66%	3.0
2410MHz	65%	2.5
2420MHz	62%	2.4
2450MHz	64%	2.2
2470MHz	66%	2.2
2483MHz	66%	2.0

Frequency	Efficiency	Gain(dBi)
5150MHz	67%	4.5
5200MHz	62%	4.5
5725MHz	64%	4.0
5775MHz	67%	4.4
5800MHz	68%	5.0
5825MHz	68%	4.5
5850MHz	63%	4.4

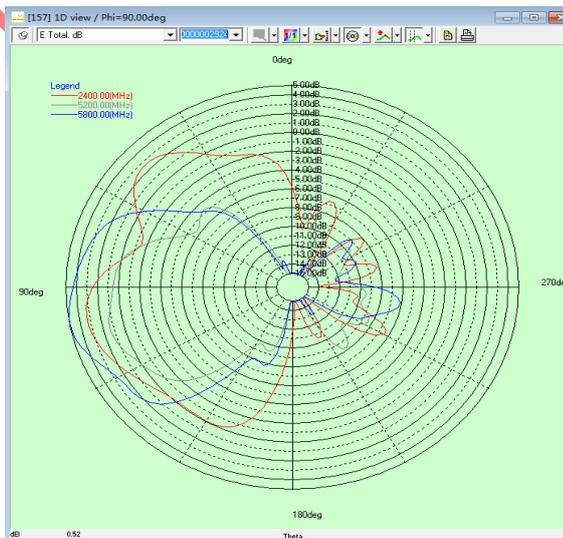
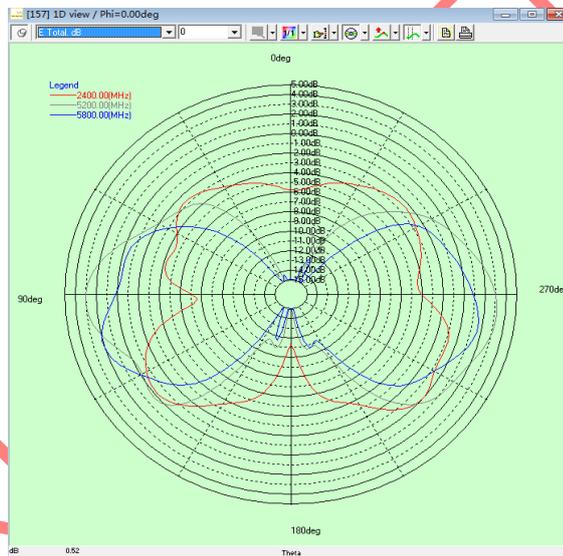
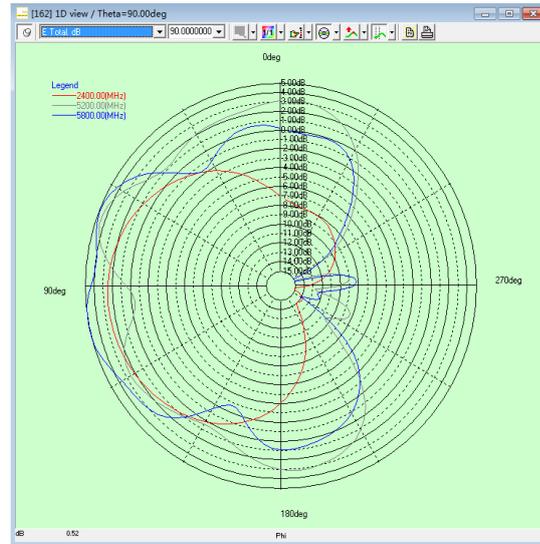
3、 Antenna Pattern

Measurement System: Satimo SG24

Reference Position



Antenna Pattern:



4、 Antenna drawing



DJI Antenna Datasheet Ant2

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<u>EA600 SDR Ant2</u>		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.4~2.483GHz;</u> <u>5.125-5.25GHz;</u> <u>5.725~5.85GHz</u>		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	3.0dBi@2.4~2.483GHz sdr 4.5dbi@5.2GHz sdr 5.0dBi@5.725~5.875GHz sdr		
7	Efficiency	$\geq 60\%$ SDR		
8	VSWR	≤ 2.5		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	Dipole		
13	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.		

2、 Antenna Return Loss/VSWR

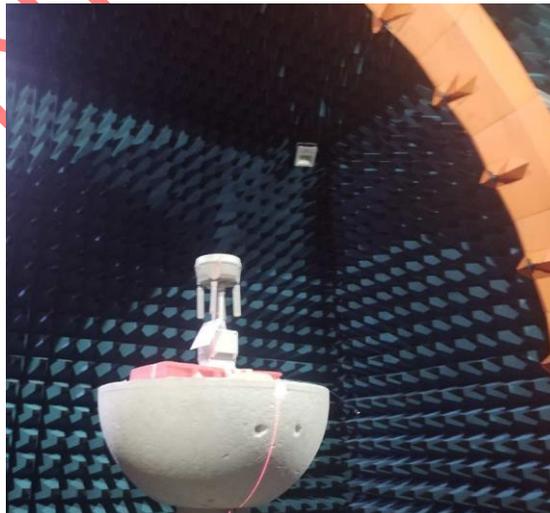
Frequency	Efficiency	Gain(dBi)
2400MHz	68%	3.0
2410MHz	67%	2.5
2420MHz	66%	2.3
2450MHz	65%	2.0
2470MHz	65%	2.0
2483MHz	64%	2.5

Frequency	Efficiency	Gain(dBi)
5150MHz	66%	4.0
5200MHz	71%	4.5
5725MHz	71%	4.5
5775MHz	77%	4.8
5800MHz	79%	5.0
5825MHz	78%	4.5
5850MHz	76%	4.4

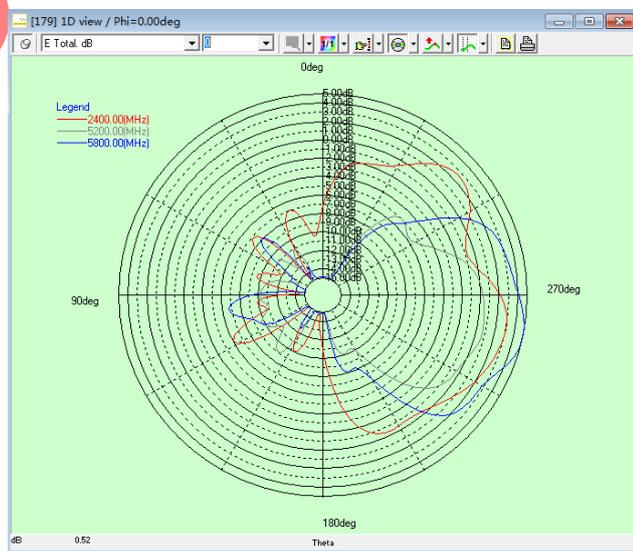
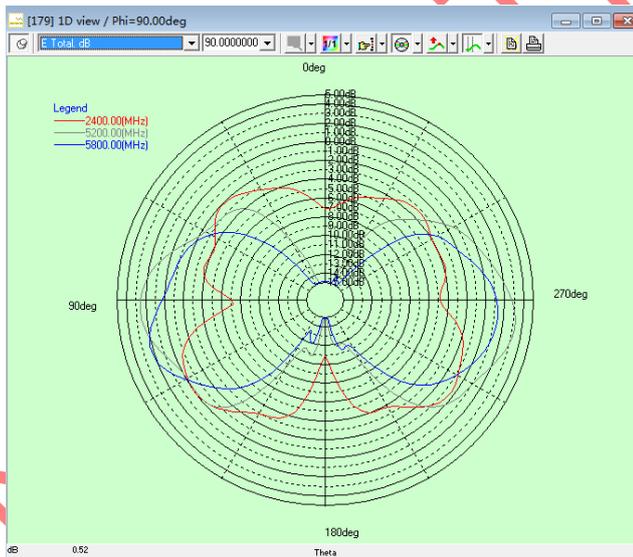
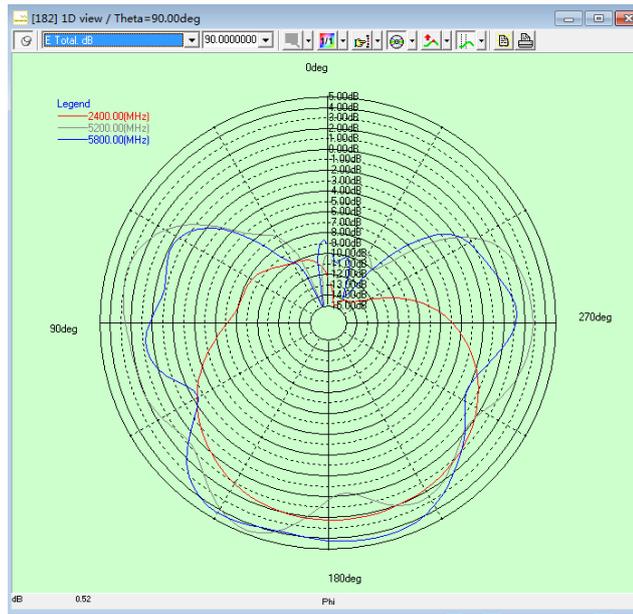
3、 Antenna Pattern

Measurement System: Satimo SG24

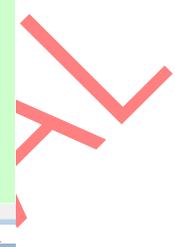
Reference Position



Antenna Pattern:



COM





DJI Antenna Datasheet Ant3

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<u>EA600 SDR Ant3</u>		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.4~2.483GHz;</u> <u>5.125-5.25GHz;</u> <u>5.725~5.85GHz</u>		
4	Connector Type	Ipex-1		
5	Impedance	50ohm		
6	Gain	3.0dBi@2.4~2.483GHz sdr 4.5dbi@5.2GHz sdr 5.0dBi@5.725~5.875GHz sdr		
7	Efficiency	$\geq 60\%$ SDR		
8	VSWR	≤ 2.5		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Antenna type	Dipole		
13	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.		

2、 Antenna Return Loss/VSWR

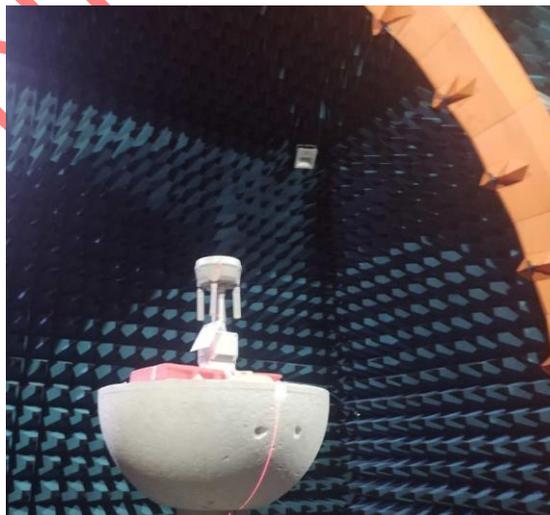
Frequency	Efficiency	Gain(dBi)
2400MHz	69%	3.0
2410MHz	68%	2.7
2420MHz	67%	2.5
2450MHz	66%	2.3
2470MHz	65%	2.2
2483MHz	65%	2.0

Frequency	Efficiency	Gain(dBi)
5150MHz	71%	4.5
5200MHz	74%	4.4
5725MHz	77%	4.5
5775MHz	68%	4.8
5800MHz	66%	4.9
5825MHz	68%	5.0
5850MHz	69%	4.8

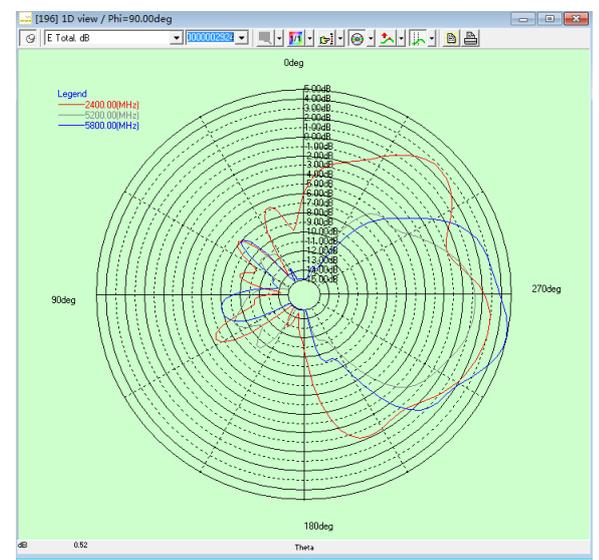
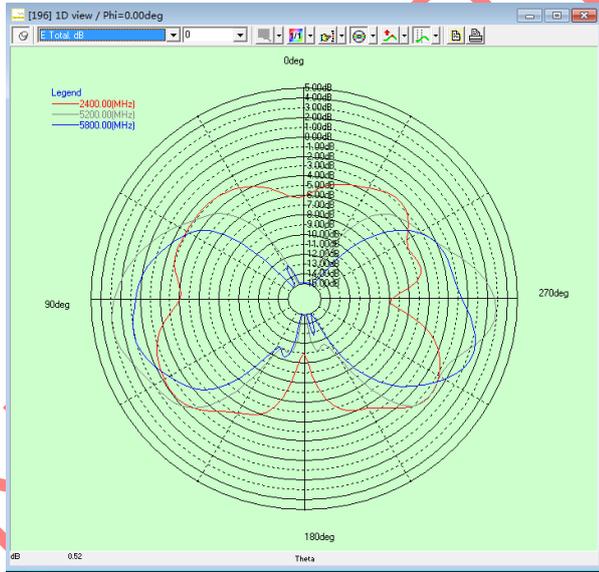
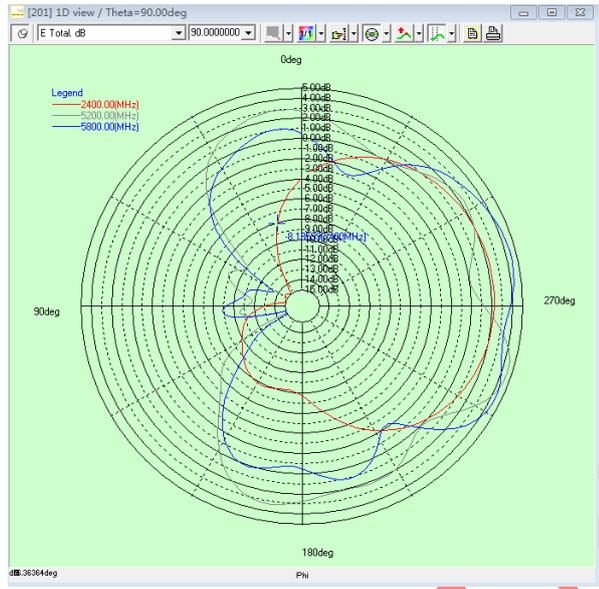
3、 Antenna Pattern

Measurement System: Satimo SG24

Reference Position



Antenna Pattern:



COM