

DJI Relay Antenna Datasheet



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Revision history

Version	Change notes	Modificator	Date
V1.0		Alaan.he	



1 Basic Specifications

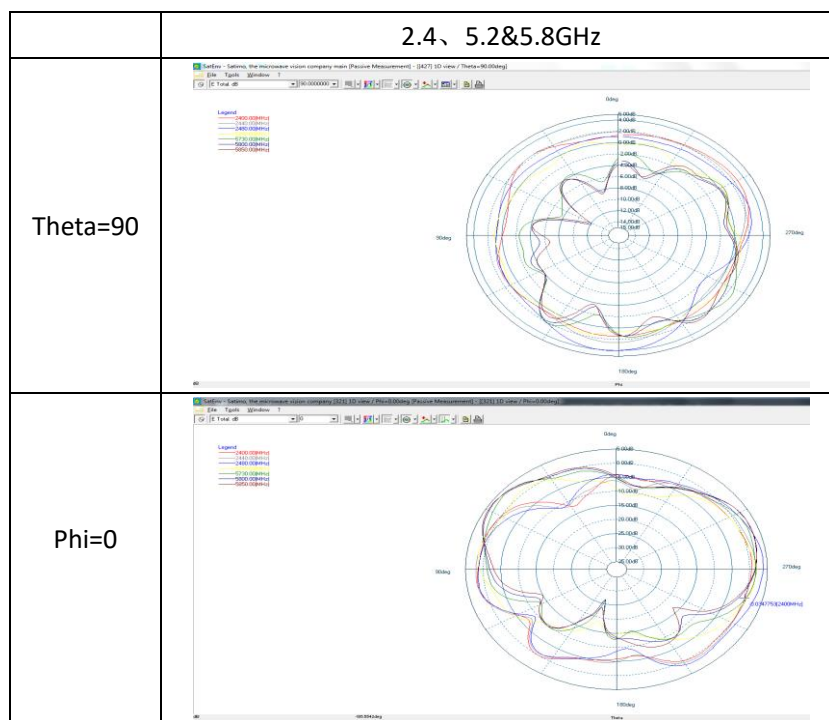
No.	Specification	Descriptions	Notes	
1	Antenna Name	SDR Antenna		
2	Brand	DJI		
3	Operation Frequency	2.4~2.485GHz; 5.15~5.25GHz 5.725~5.875GHz		
4	Connector Type	sma		
5	Impedance	50ohm		
6	Gain	3.8dBi@2.4~2.483GHz 3.6dBi@5.15~5.25GHz 4.4dBi@5.725~5.875GHz		
7	Efficiency	$\geq 65\%$		
8	VSWR	≤ 2		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Type	Dipole Antenna		



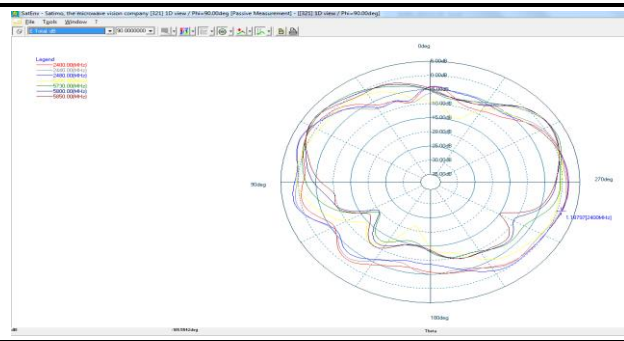
2 Gain & Efficiency

Frequency (GHz)	Efficiency	Efficiency . dB	Gain dB
2.4	81%	-0.90	3.7
2.44	80%	-0.95	3.4
2.48	80%	-0.99	3.8
5.2	68%	-1.69	3.6
5.73	71%	-1.50	4.3
5.8	71%	-1.49	4.2
5.85	70%	-1.56	4.4

3 radiation pattern



Phi=90



4 Structure drawing

5 manufacturer

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Note: This antenna is used by DJI only, manufacturer will not sale to other client and will keep it confidential, so it will not be published on the manufacturer's website