

DJI Antenna Datasheet

HG330 SDR ANTENNA

2021-6-16



Revision history

Version	Change notes	Modifier	Date
V1.0	First draft.	Dave.li	2021.6.16

DJI Antenna Datasheet

1、 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<i>HG330 SDR Ant</i>		
2	Brand	<i>DJI</i>		
3	Operation Frequency	<i>2.4~2.483GHz; 5.15~5.35GHz 5.47~5.85GHz;</i>		
4	Connector Type	<i>SMA</i>		
5	Impedance	50ohm		
6	Gain	<i>2.5dBi@2.4~2.483GHz 2.5dBi@5.15~5.35GHz 2.5dBi@5.47~5.725GHz 3dBi@5.725~5.85GHz</i>		
7	Efficiency	$\geq 50\%$		
8	VSWR	≤ 2.5		
9	Polarization type	<i>Linear</i>		
10	3dB Beamwidth	<i>Omnidirectional</i>		
11	Weight			

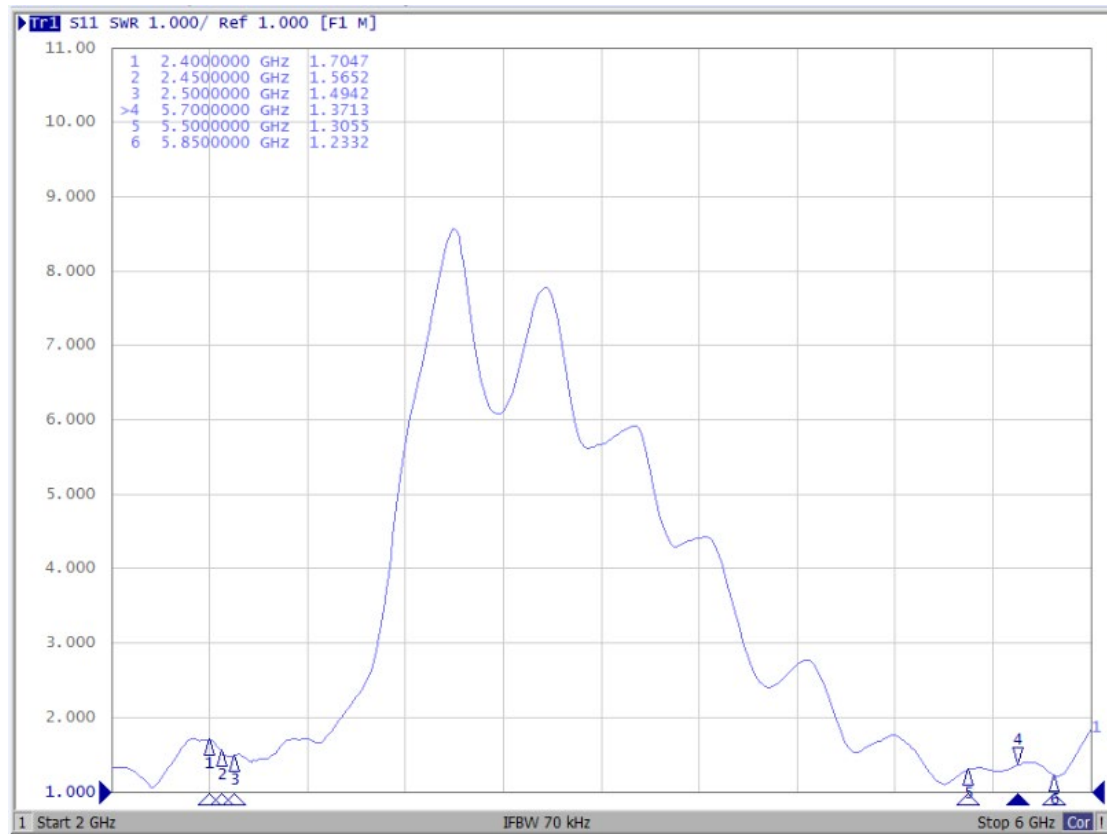
频率	增益	效率
2400MHz	2.07	67%
2410MHz	2.47	69%
2420MHz	2.31	71%
2430MHz	1.84	69%



2440MHz	1.88	68%
2450MHz	2.12	70%
2460MHz	1.82	71%
2470MHz	1.29	67%
2480MHz	1.34	64%
5150MHz	2.32	60%
5200MHz	2.47	65%
5250MHz	2.09	65%
5300MHz	2.02	65%
5350MHz	2.25	70%
5470MHz	2.08	69%
5500MHz	2.07	65%
5550MHz	1.93	67%
5600MHz	2.03	62%
5650MHz	2.07	63%
5700MHz	1.86	64%
5725MHz	2.00	62%
5750MHz	2.99	68%
5775MHz	2.72	65%
5800MHz	2.87	67%
5825MHz	2.53	64%
5850MHz	2.52	65%

2、 Return Loss

SDR antenna S11



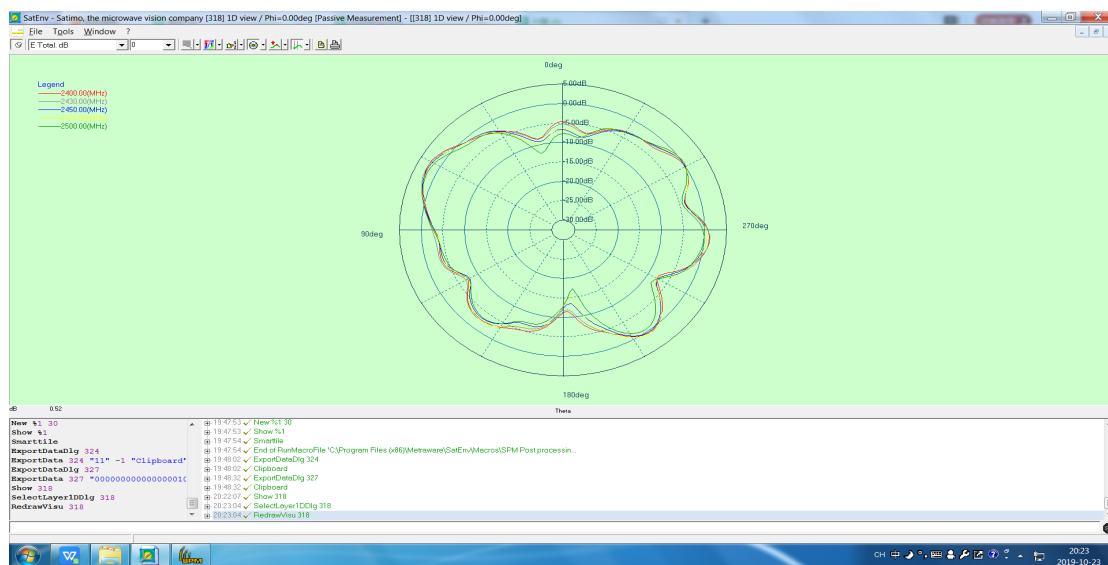
Radiation Pattern

Test lab: Satimo SG24

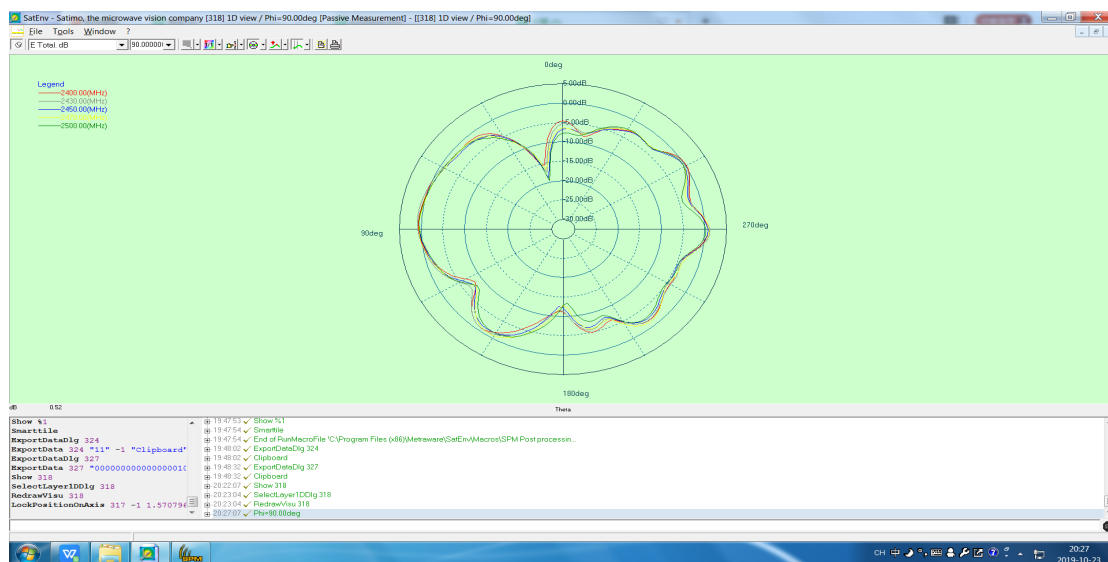
Test date: 20210512

SDR antenna 2.4GHz

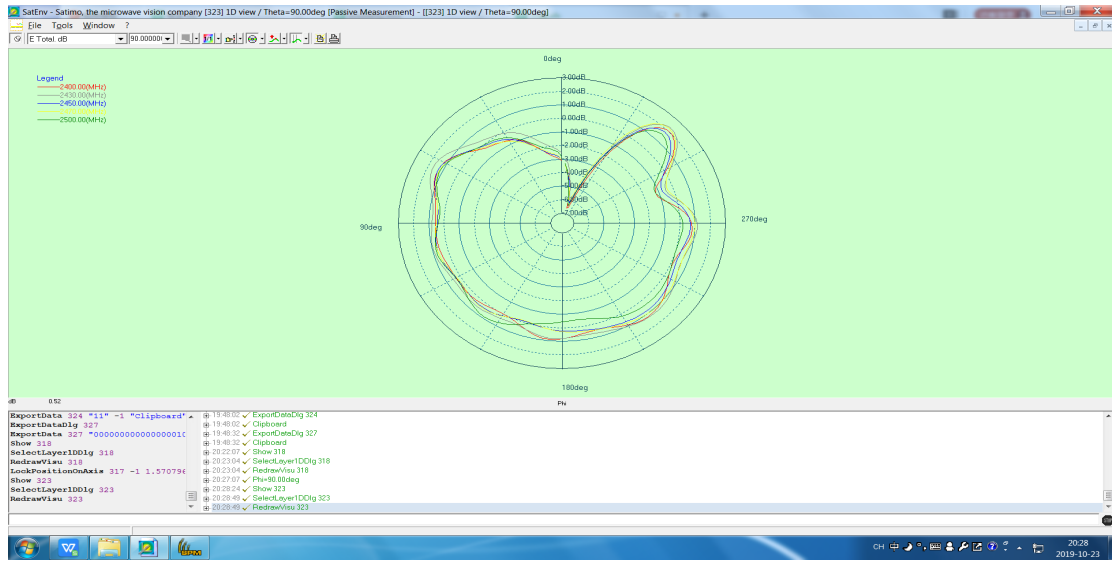
Phi = 0



$\Phi = 90$

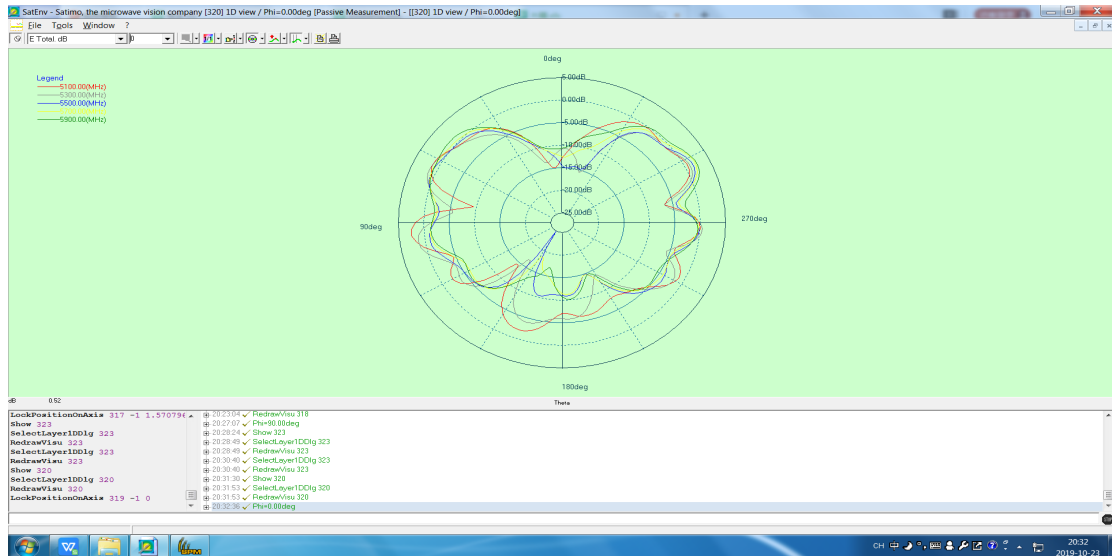


$\Theta = 90$

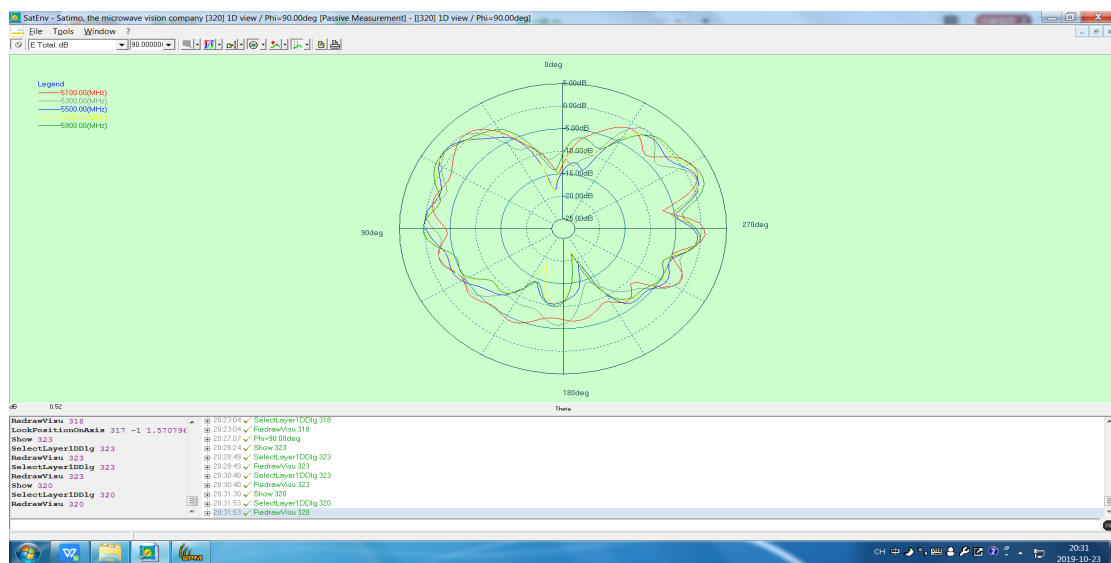


SDR antenna 5GHz

$\Phi = 0$



$\Phi = 90$



Theta = 90

