

OM507 Antenna

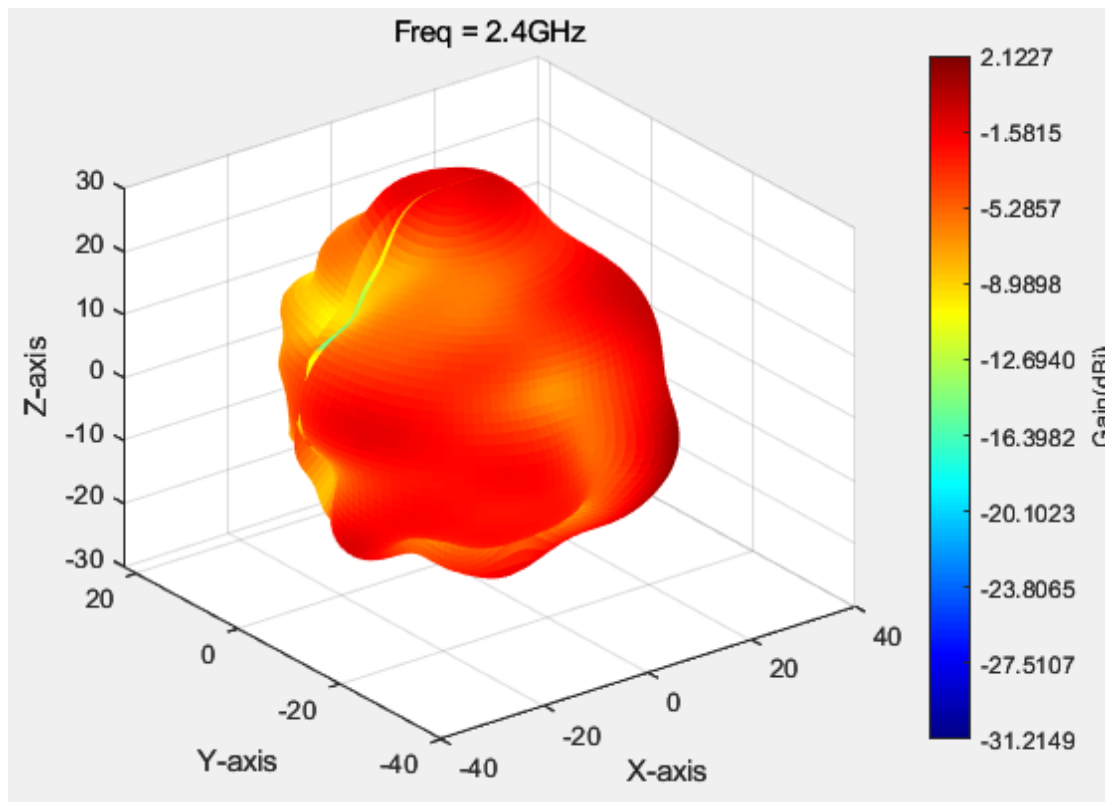
4.1 Basic Specifications

No.	Specification	Descriptions	Notes	
1	Antenna Name	<u>OM507 ANT</u>		
2	Brand	<u>DJI</u>		
3	Operation Frequency	<u>2.4~2.483GHz;</u>		
4	Connector Type	PCB 板载天线		
5	Impedance	50ohm		
6	Gain	2.1 dBi@2.4~2.4835GHz		
7	Efficiency	$\geq 30\%$		
8	VSWR	≤ 2		
9	Polarization type	Linear		
10	3dB Beamwidth	Omnidirectional horizon		
11	Weight			
12	Manufacture	SZ DJI TECHNOLOGY CO.,LTD. Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen		

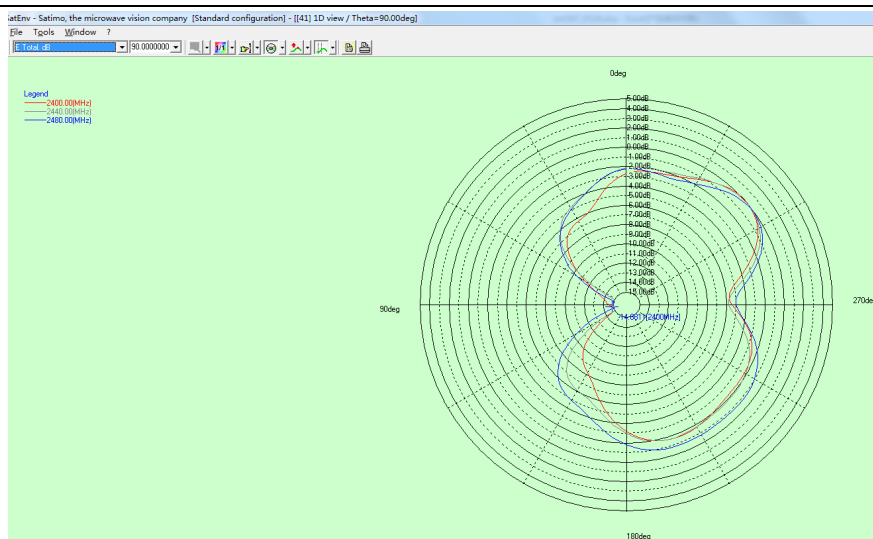
4.2 Gain & Efficiency

Frequency	Efficiency()	Gain dB(dB)
2400MHz	38%	2.12
2410MHz	38%	1.86
2420MHz	37%	1.36
2430MHz	39%	1.50
2440MHz	41%	1.63
2450MHz	38%	0.99
2460MHz	38%	0.60
2470MHz	41%	1.14
2480MHz	43%	1.70

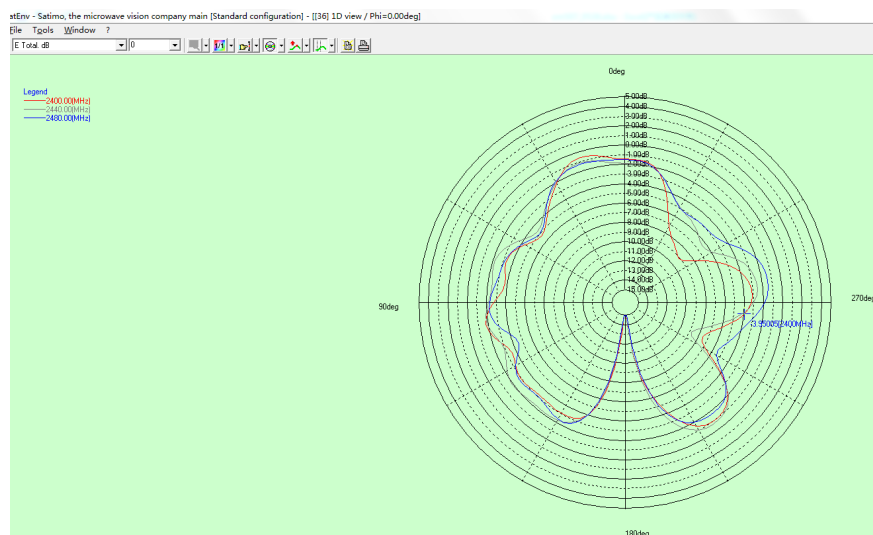
4.3 radiation pattern



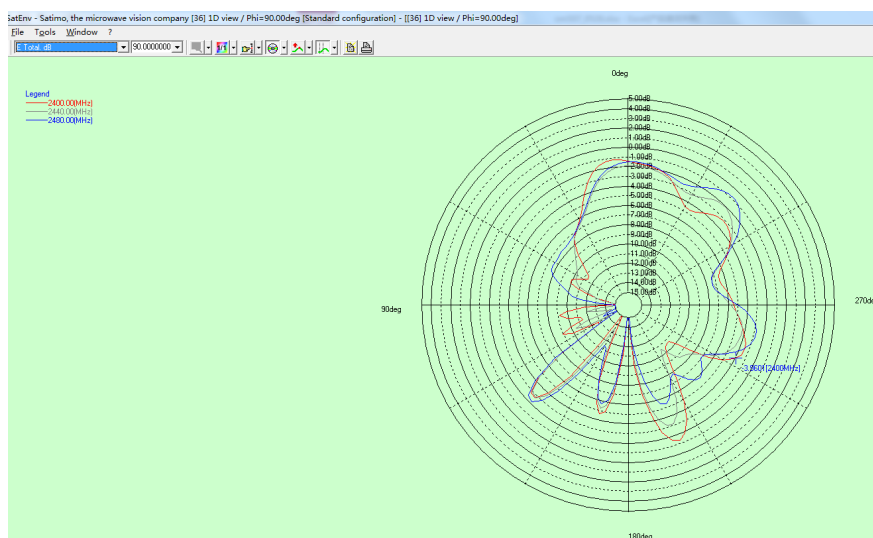
方位面 Theta=90°



俯仰面 $\phi=0^\circ$



俯仰面 $\phi=90^\circ$



4.4 Structure drawing

