

Antenna Coding: ANT-BBNCNC24001

Antenna Type: PCB onboard Antenna

Model of the DUT: DWC02

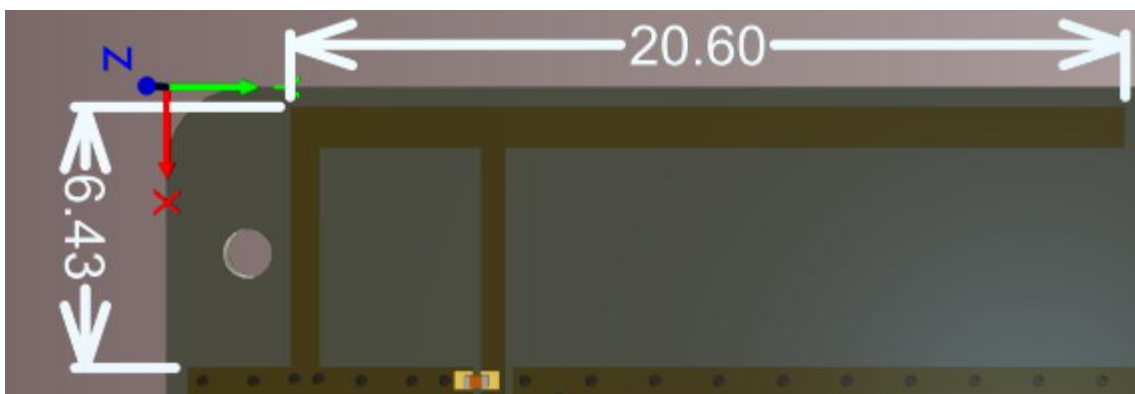
Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

Address: 3rd Floor, I Building, Gangzhilong Science Park, Qinglong Road, Longhua District, Shenzhen City 518000 China

1、 Technical Specification

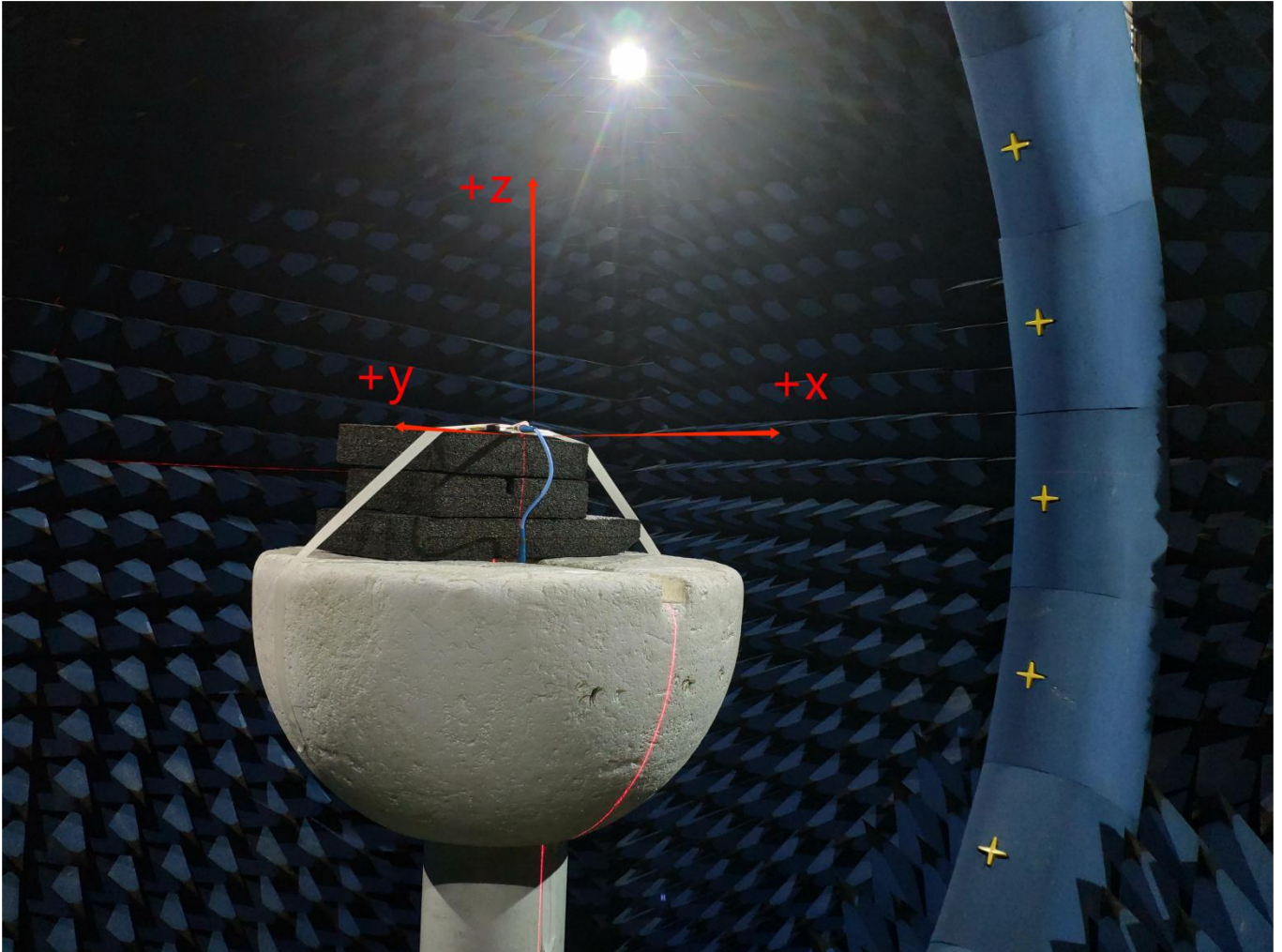
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	6.28
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	20.60*6.43
Radiator	Cuprum

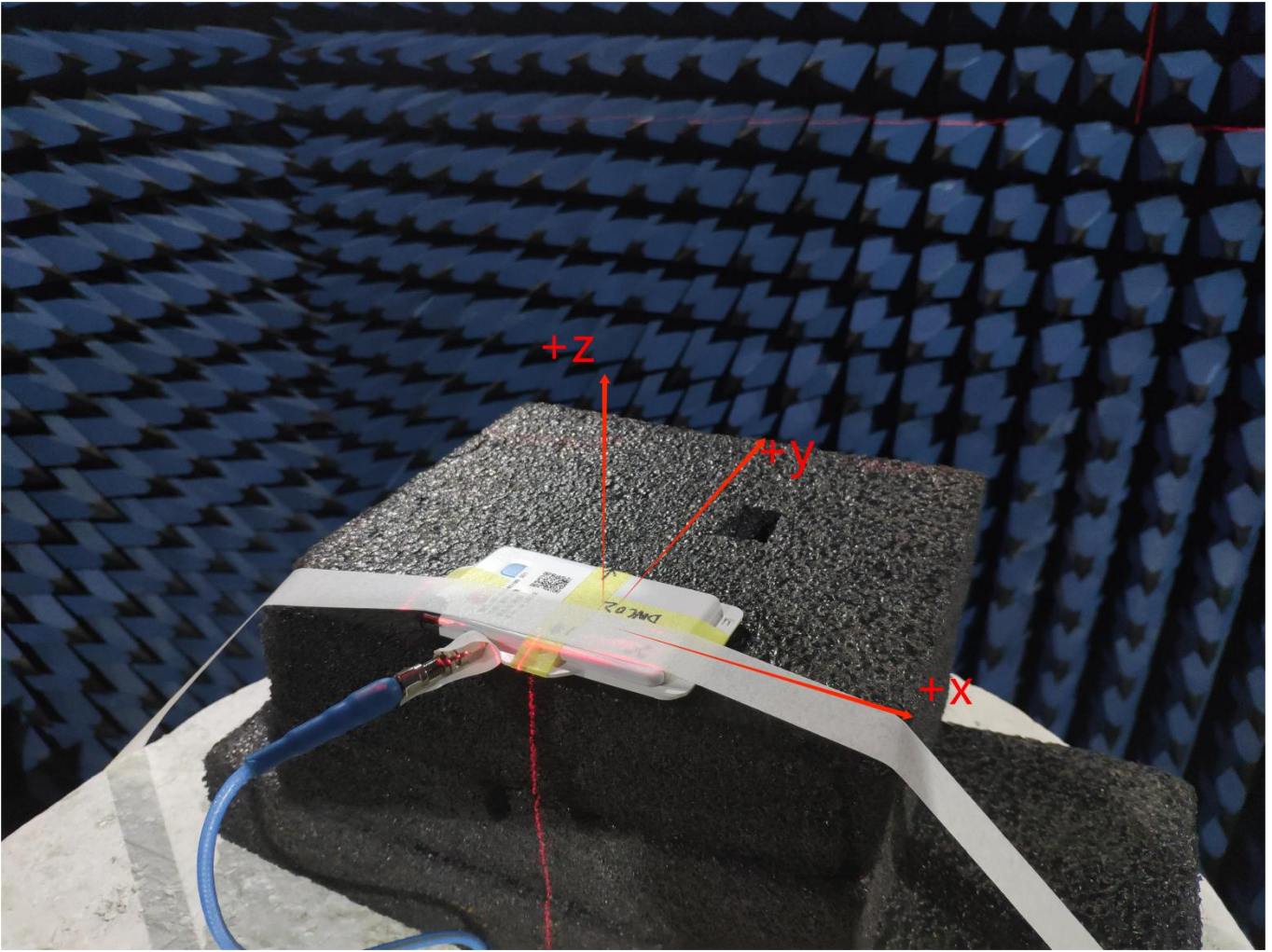
2、 The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

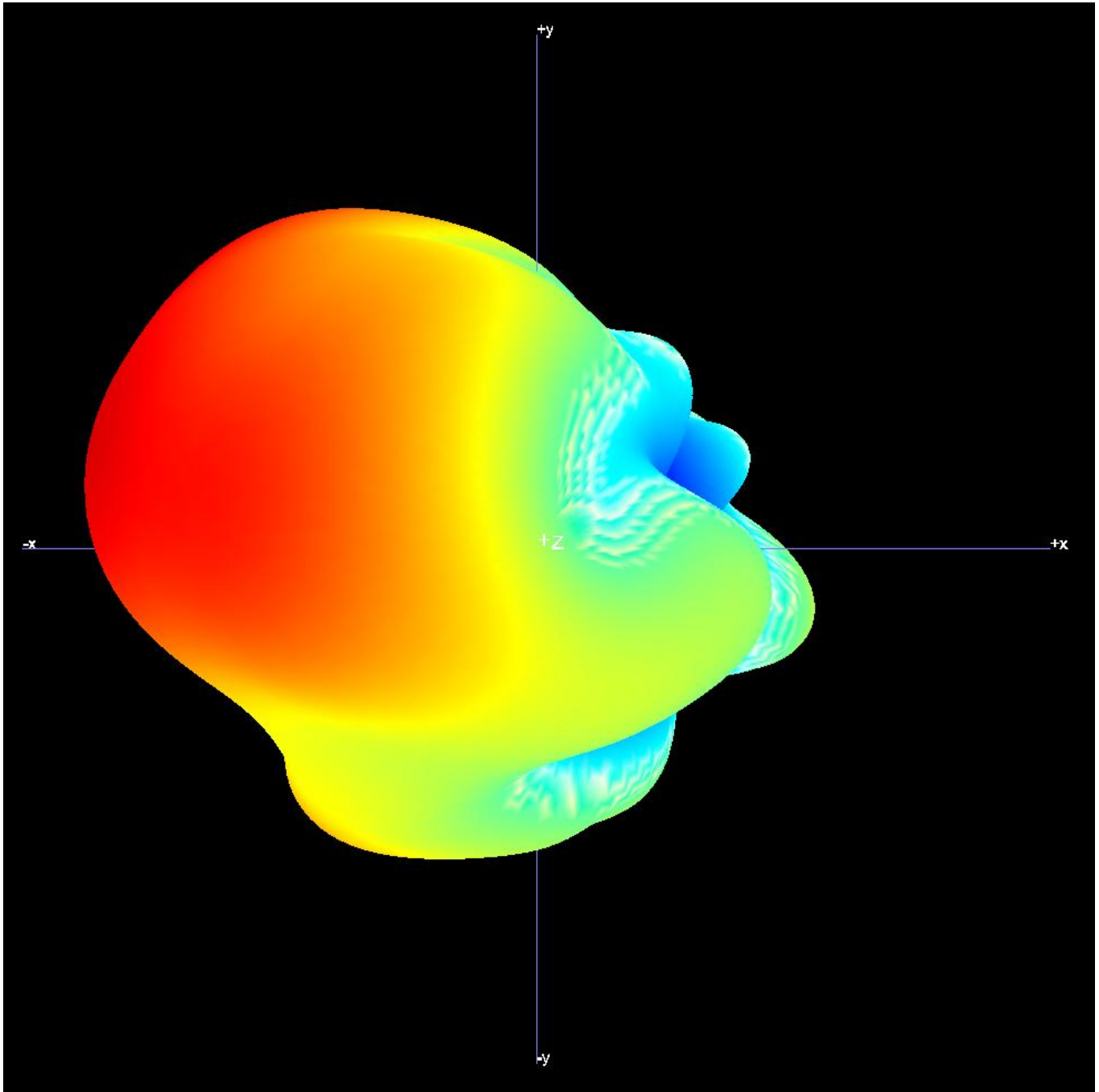




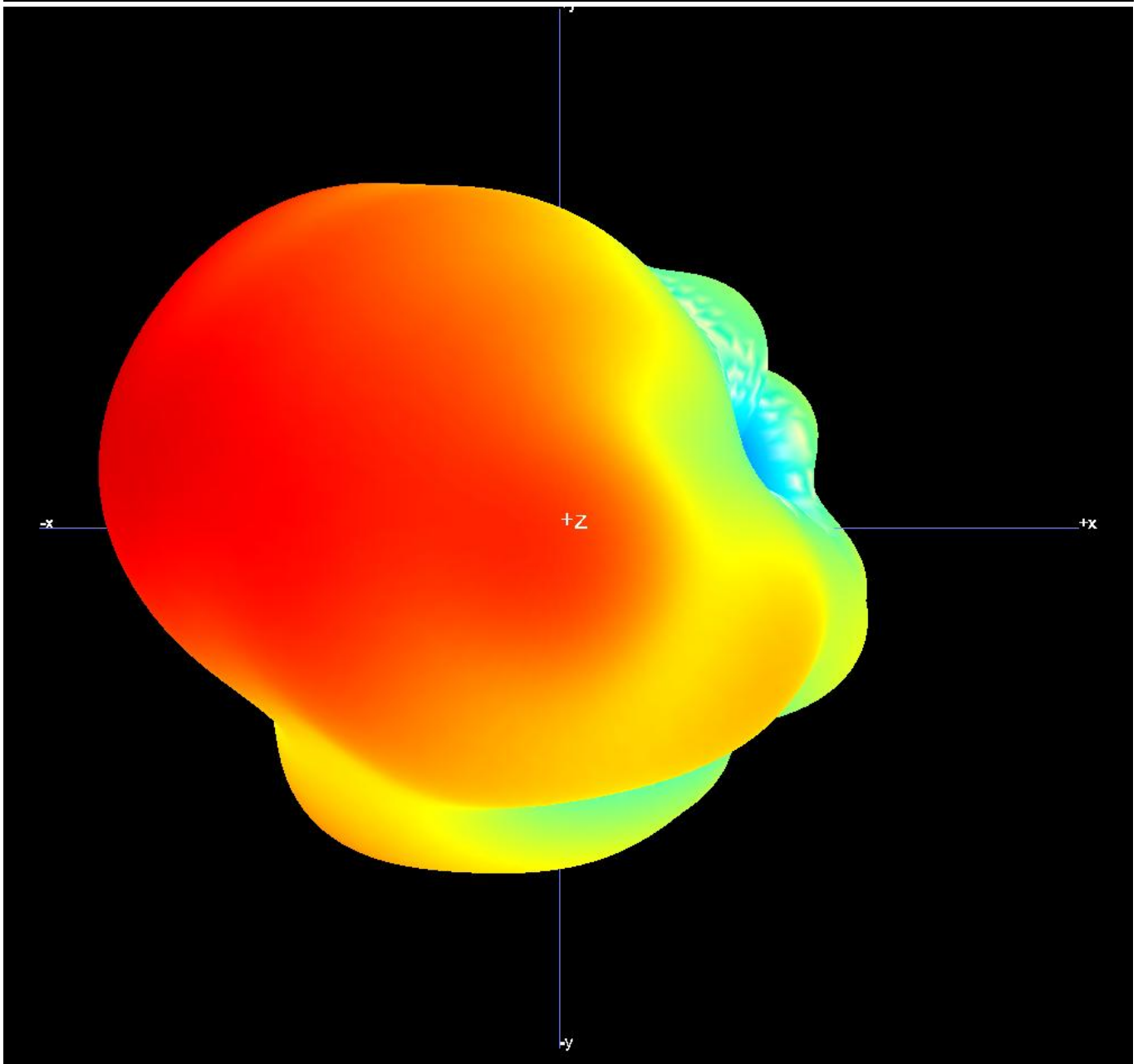
3.2 Gain and Efficiency

Frequency	Gain (dBi)	Efficiency()	6.28
2400MHz	6.28	76%	
2402MHz	6.10	76%	
2404MHz	6.11	76%	
2406MHz	6.05	76%	
2408MHz	6.04	76%	
2410MHz	6.02	76%	
2412MHz	5.97	76%	
2414MHz	5.90	76%	
2416MHz	5.86	76%	
2418MHz	5.80	76%	
2420MHz	5.71	76%	
2422MHz	5.66	76%	
2424MHz	5.70	76%	
2426MHz	5.61	77%	
2428MHz	5.63	76%	
2430MHz	5.66	76%	
2432MHz	5.70	76%	
2434MHz	5.74	76%	
2436MHz	6.01	77%	
2438MHz	6.05	77%	
2440MHz	6.10	77%	
2442MHz	6.14	77%	
2444MHz	6.17	77%	
2446MHz	6.15	77%	
2448MHz	6.17	77%	
2450MHz	6.18	77%	
2452MHz	6.19	77%	
2454MHz	6.18	77%	
2456MHz	6.18	77%	
2458MHz	6.18	77%	
2460MHz	6.16	77%	
2462MHz	6.14	77%	
2464MHz	6.13	77%	
2466MHz	6.12	78%	
2468MHz	6.11	78%	
2470MHz	6.10	78%	
2472MHz	6.09	79%	
2474MHz	6.11	79%	
2476MHz	6.05	79%	
2478MHz	6.06	79%	
2480MHz	6.06	79%	

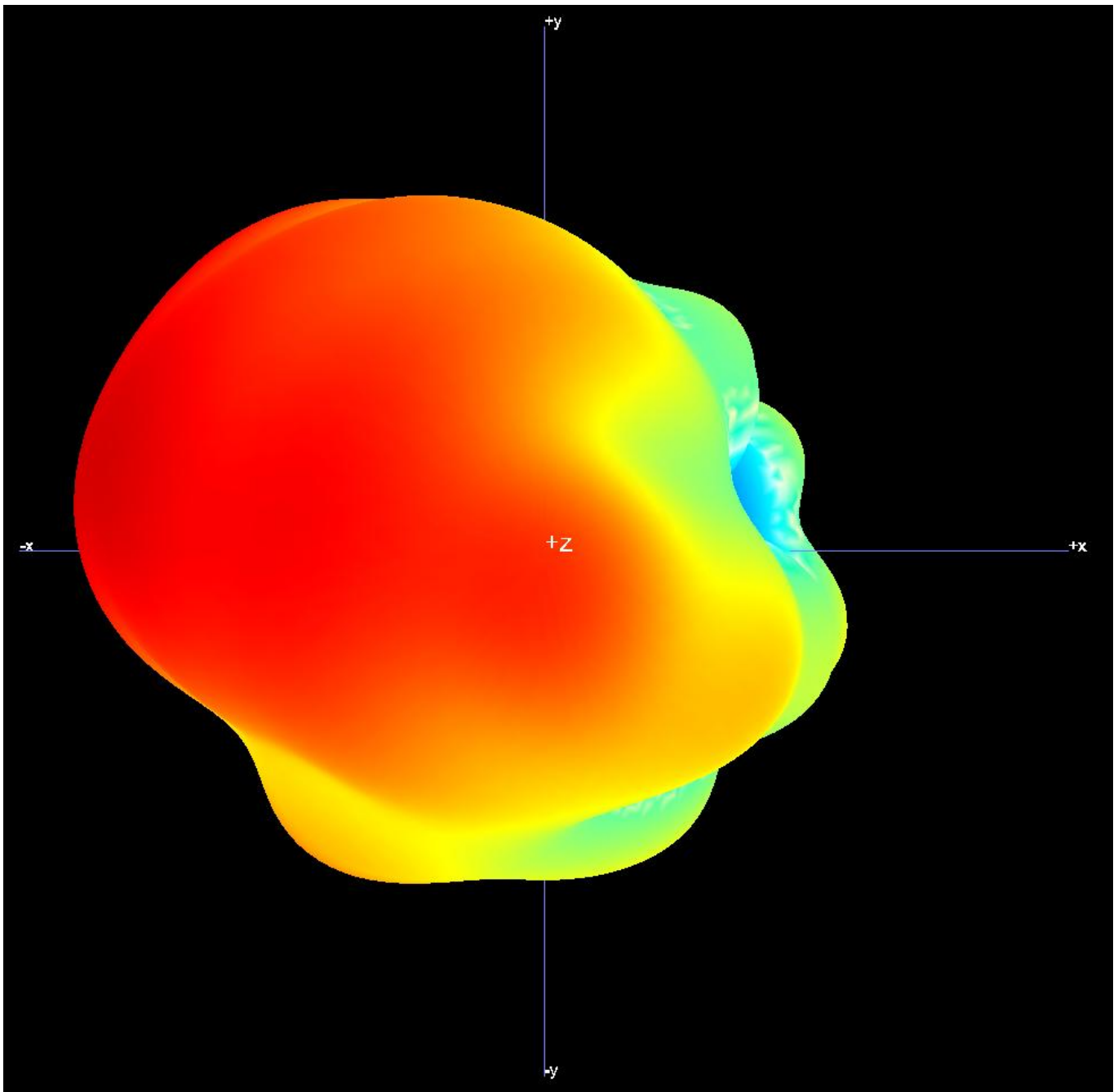
3.3 3D Polar Plot



2402MHz



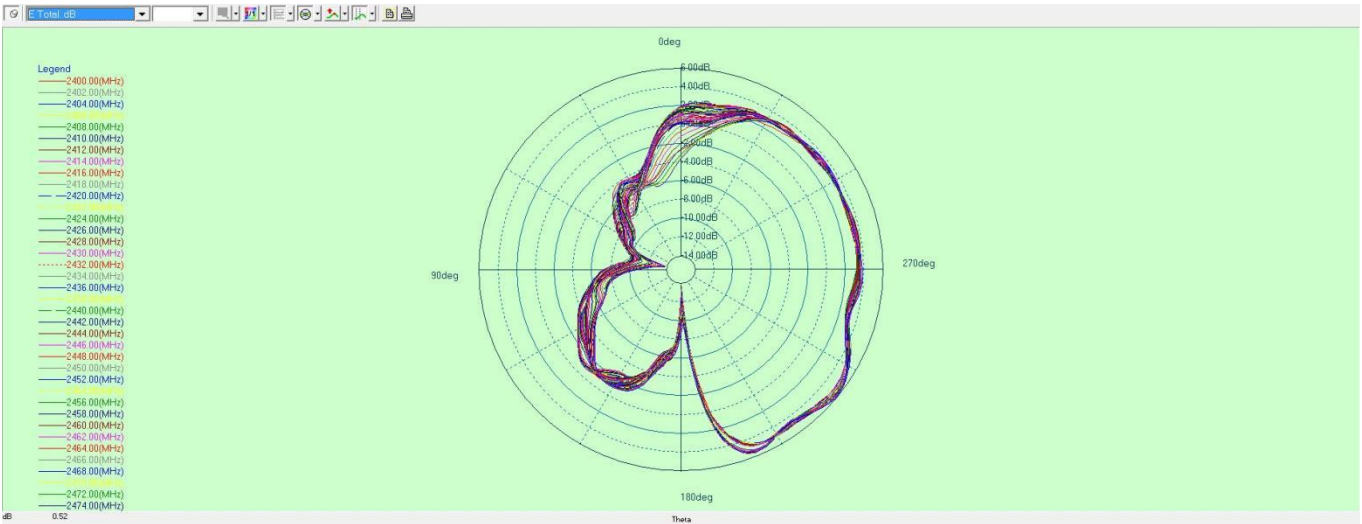
2440MHz



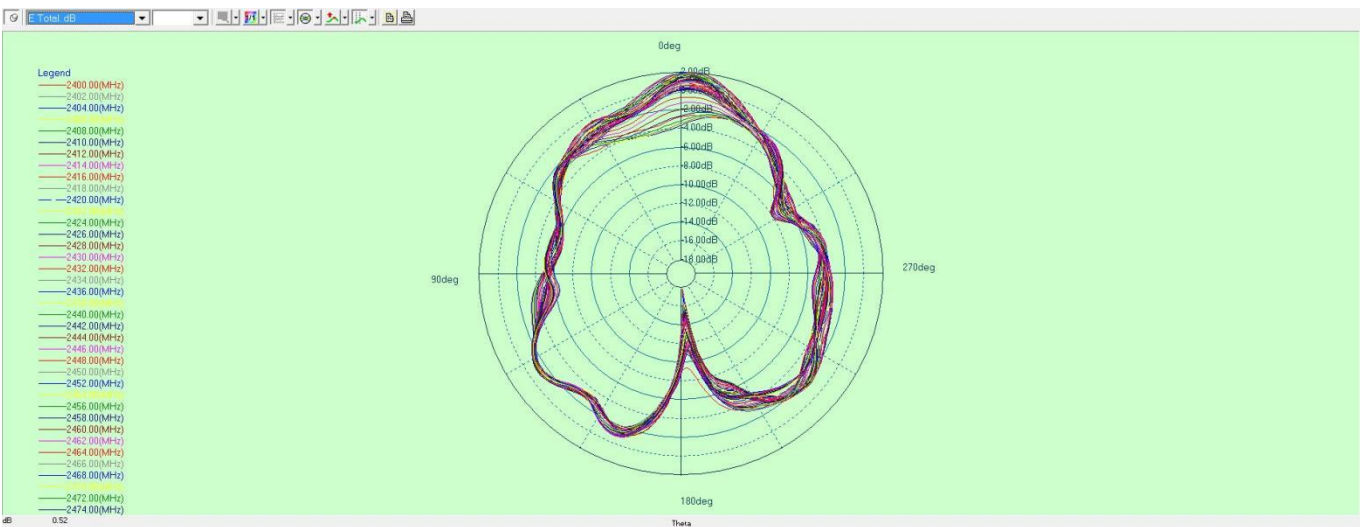
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, $\phi=0$



(2) E2, YZ Plane, $\phi=90^\circ$



(3) H, XY plane, $\theta=90^\circ$

