

Antenna Coding: ANT-BBNCNC23025

Antenna Type: PCB onboard Antenna

Model of the DUT: DTB02

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

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

## 1、 Technical Specification

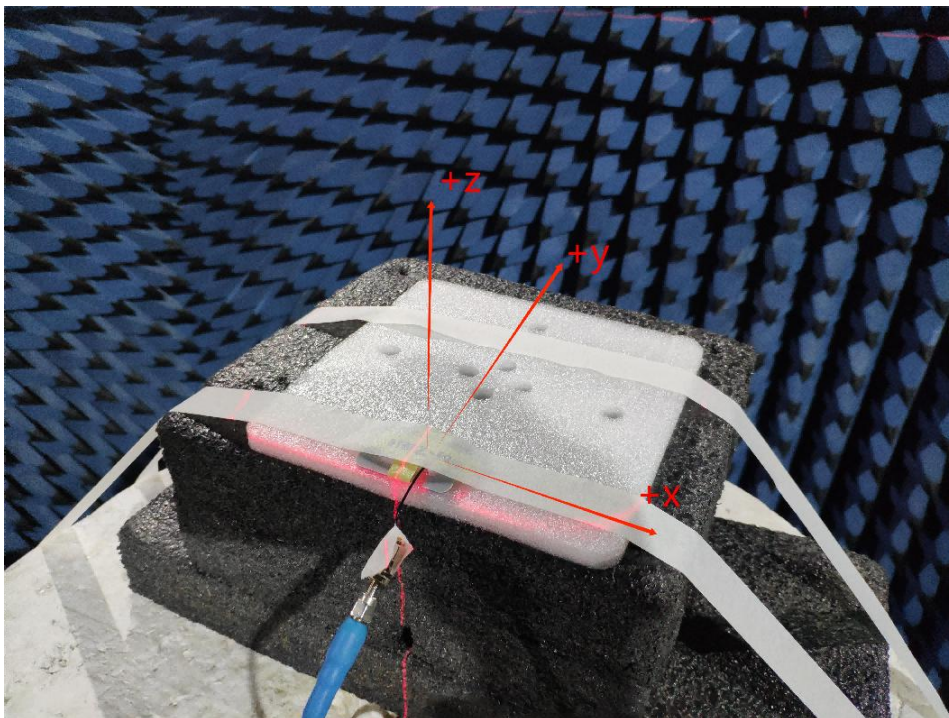
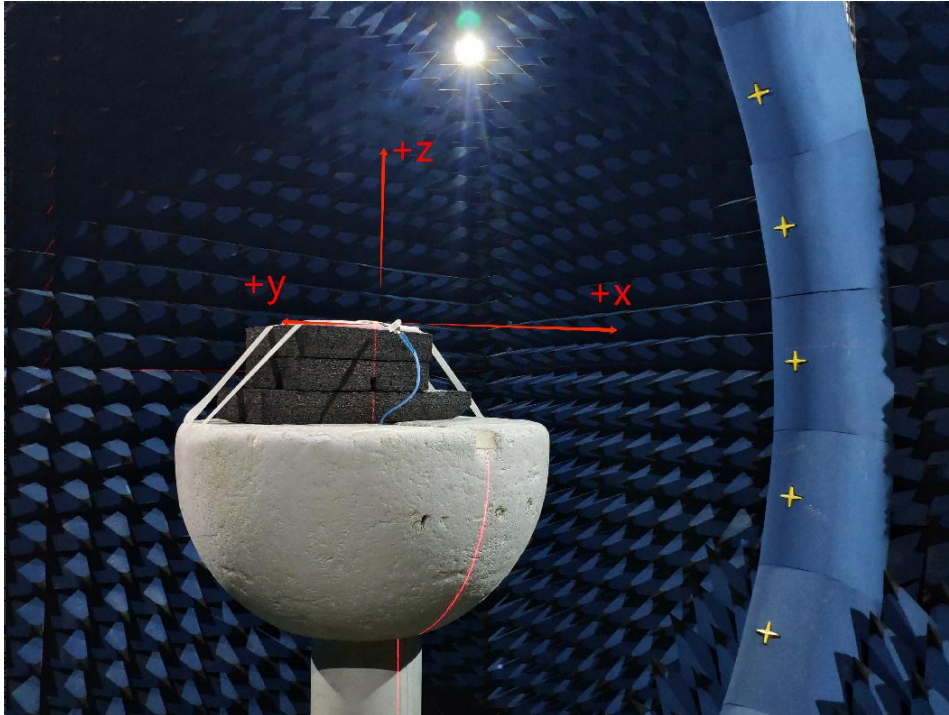
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance ( $\Omega$ )	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-3.98
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	10.67*3.56
Radiator	Cuprum

## 2、 The shape and size of the antenna



### 3、 The result of the test

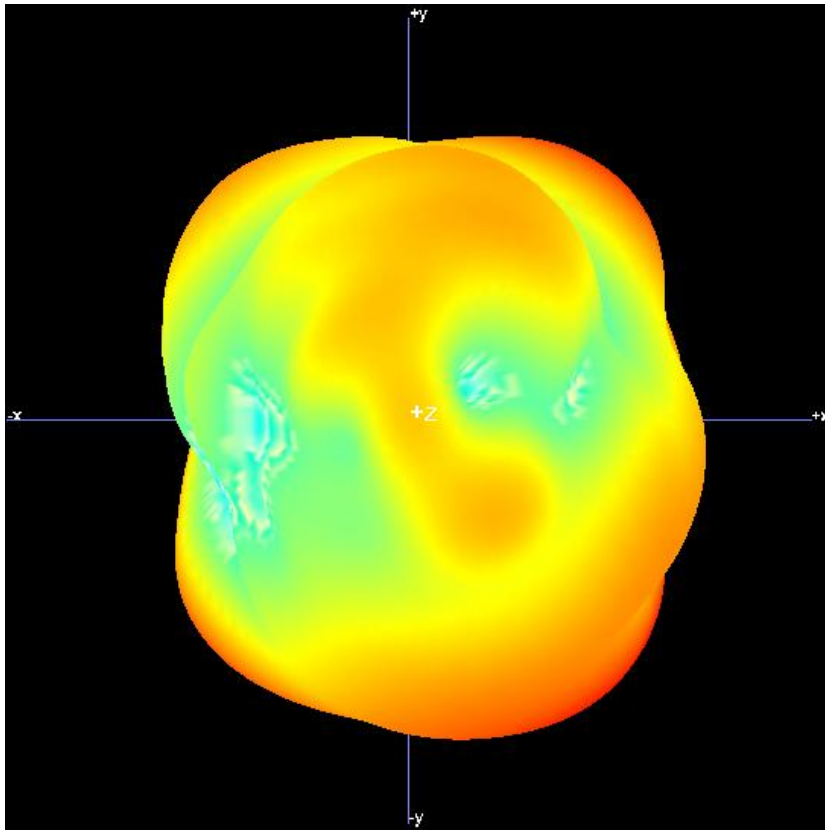
#### 3.1 Test Environment



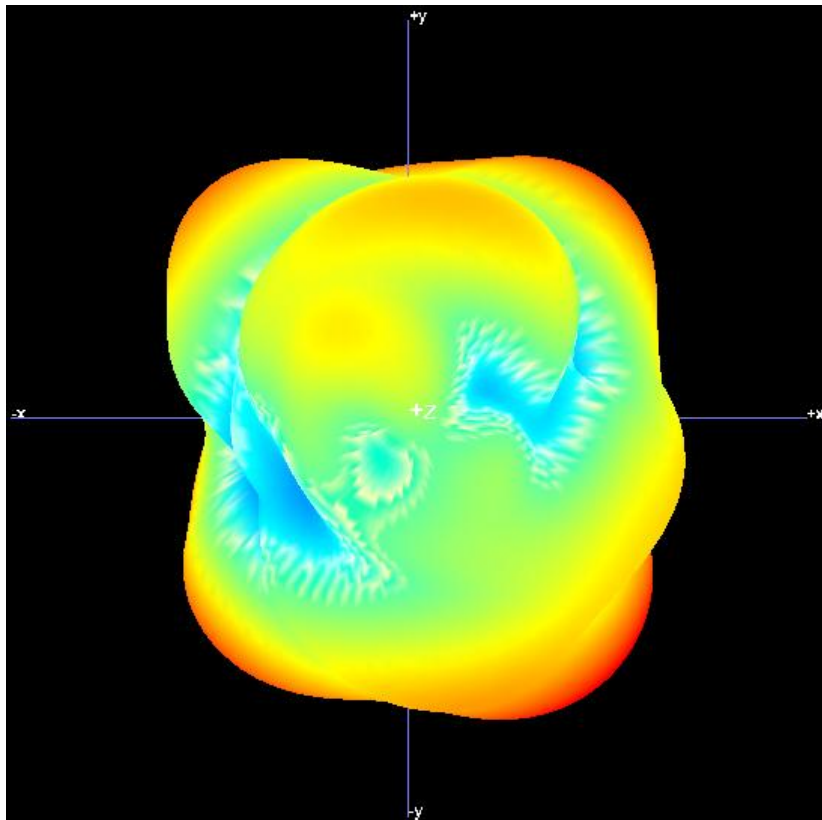
### 3.2 Gain and Efficiency

EUT型号 备注	1#-DTB02-D1201		Peak Gain
	1#		
Frequency	Gain (dBi)	Efficiency( )	
2400MHz	-3.98	8%	-3.98
2402MHz	-3.98	8%	
2404MHz	-4.00	8%	
2406MHz	-4.07	8%	
2408MHz	-4.09	8%	
2410MHz	-4.12	8%	
2412MHz	-4.16	8%	
2414MHz	-4.20	8%	
2416MHz	-4.19	8%	
2418MHz	-4.19	8%	
2420MHz	-4.07	8%	
2422MHz	-4.08	8%	
2424MHz	-4.07	8%	
2426MHz	-4.00	8%	
2428MHz	-4.01	8%	
2430MHz	-4.01	8%	
2432MHz	-4.01	8%	
2434MHz	-4.00	8%	
2436MHz	-4.10	8%	
2438MHz	-4.11	8%	
2440MHz	-4.13	8%	
2442MHz	-4.14	8%	
2444MHz	-4.13	8%	
2446MHz	-4.04	8%	
2448MHz	-4.05	8%	
2450MHz	-4.04	8%	
2452MHz	-4.02	8%	
2454MHz	-4.02	8%	
2456MHz	-4.01	9%	
2458MHz	-3.99	9%	
2460MHz	-3.98	9%	
2462MHz	-3.98	9%	
2464MHz	-3.98	9%	
2466MHz	-4.11	9%	
2468MHz	-4.06	9%	
2470MHz	-4.04	9%	
2472MHz	-4.05	9%	
2474MHz	-4.04	9%	
2476MHz	-4.02	9%	
2478MHz	-4.05	9%	
2480MHz	-4.10	9%	

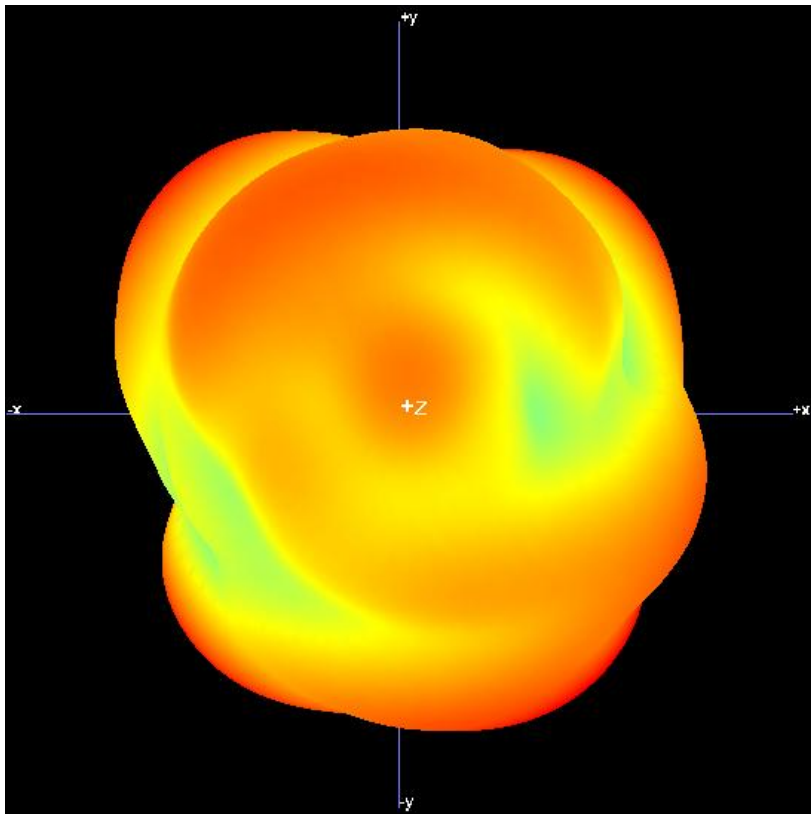
### 3.3 3D Polar Plot



2402MHz



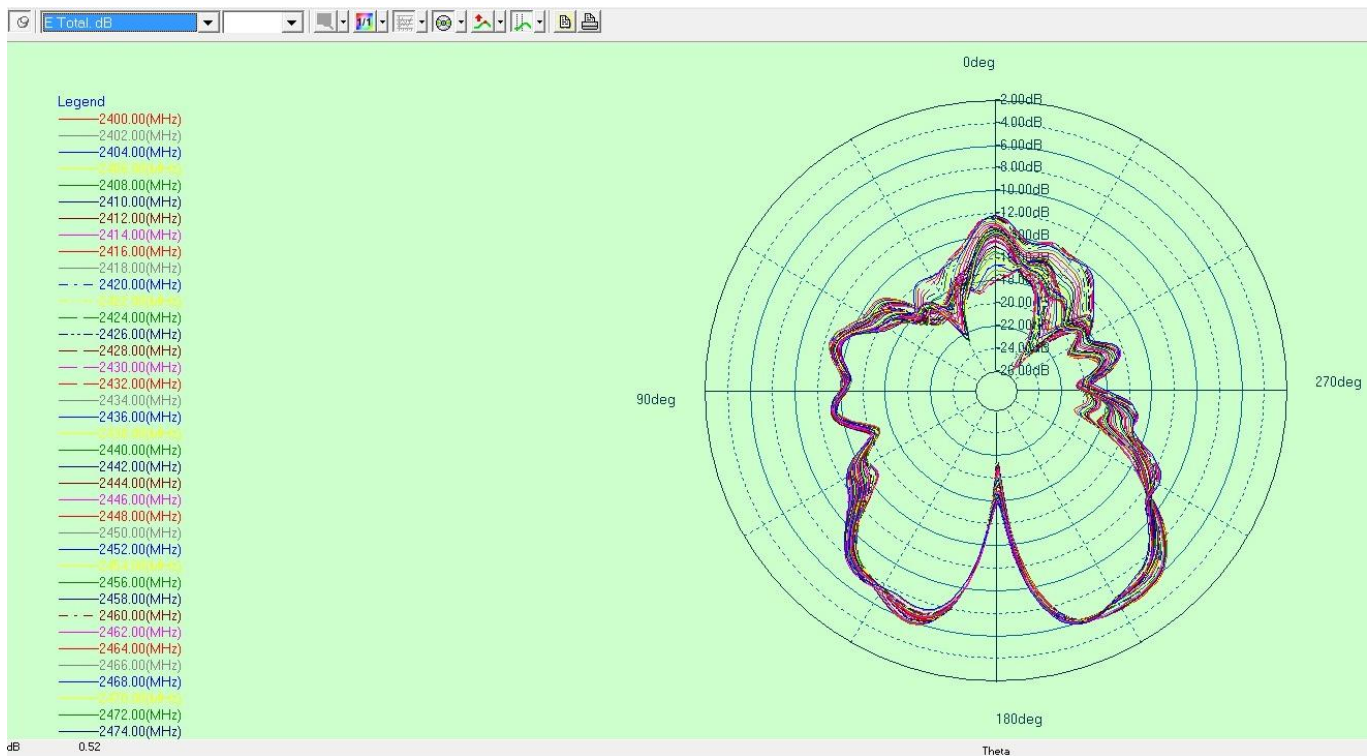
2440MHz



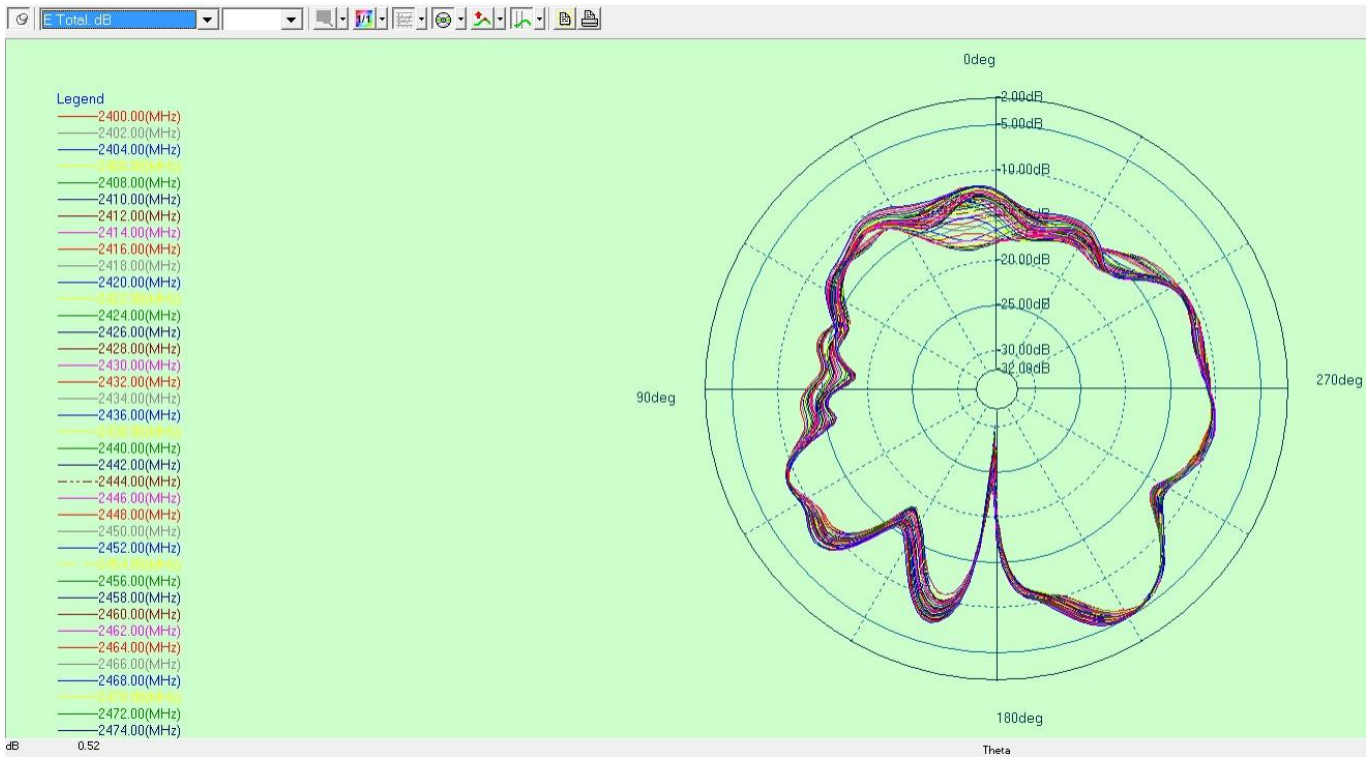
2480MHz

### 3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

