

Antenna Coding: ANT-BBNCNC23014

Antenna Type: PCB onboard Antenna

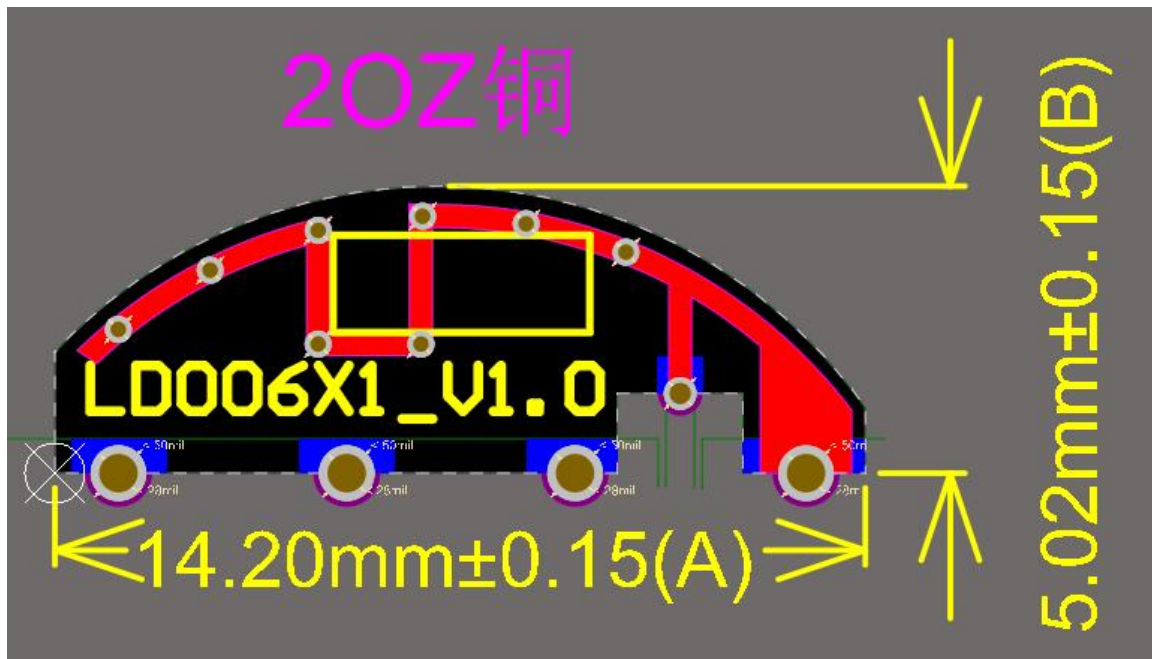
Model of the DUT: DBT04

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

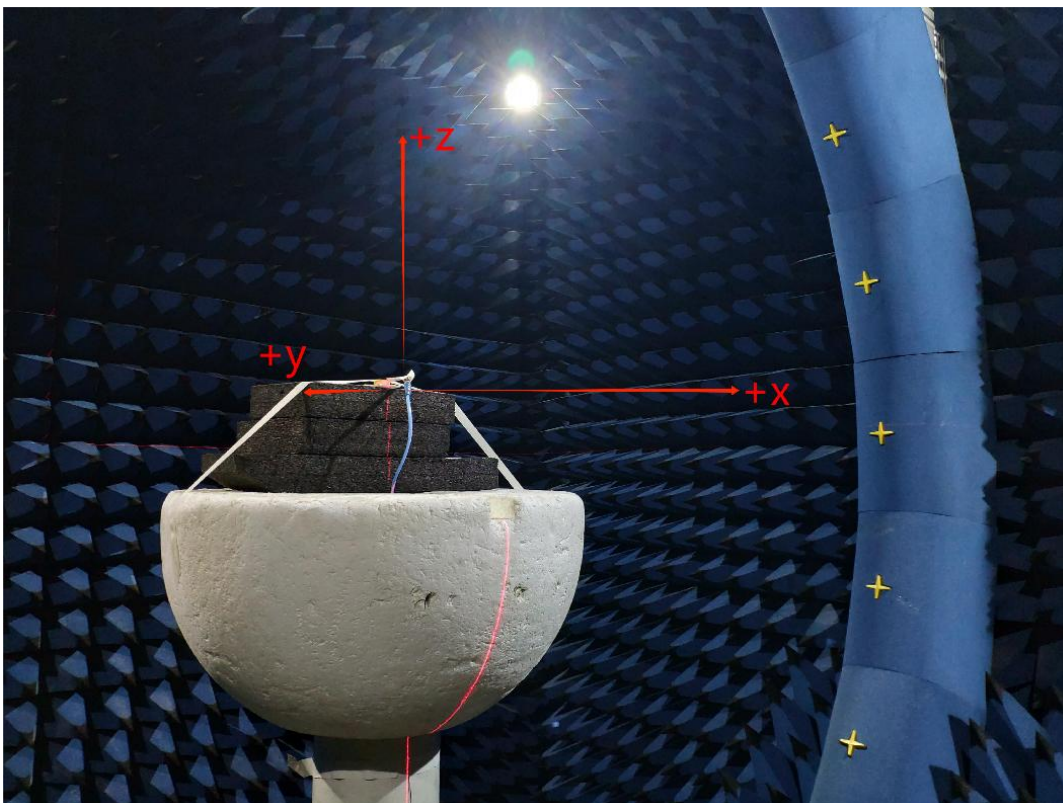
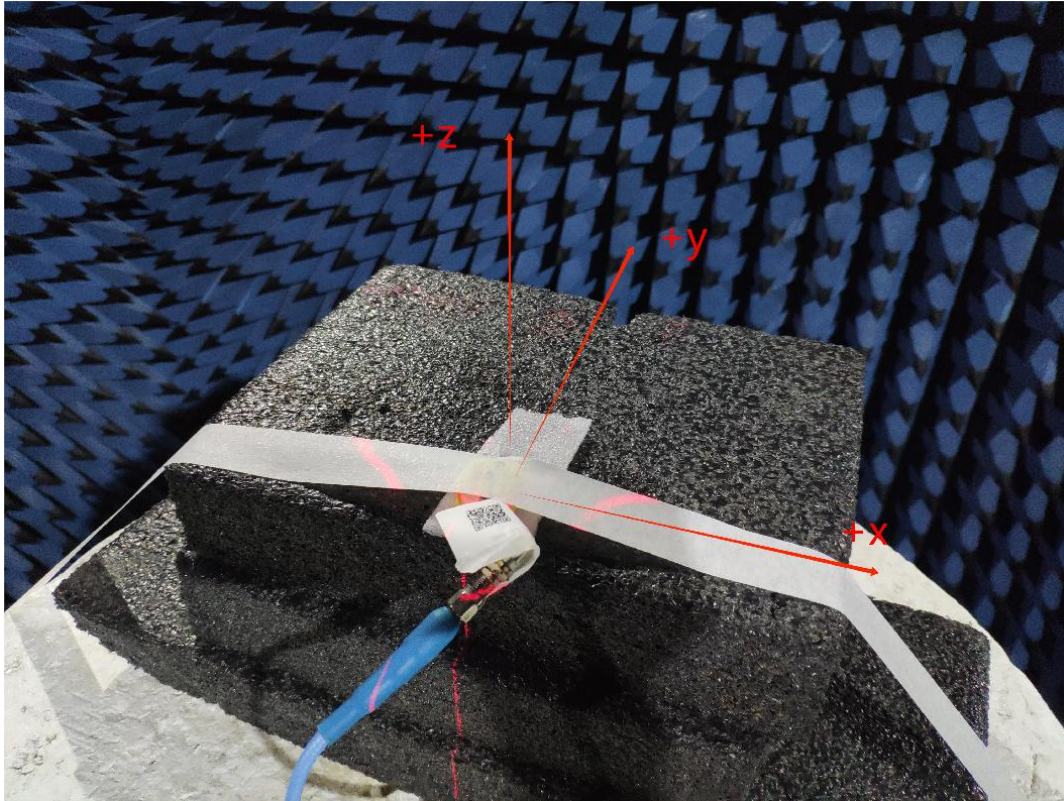
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance ( $\Omega$ )	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-8.42
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	14.2*5.02
Radiator	Cuprum

2、The shape and size of the antenna



### 3、 The result of the test

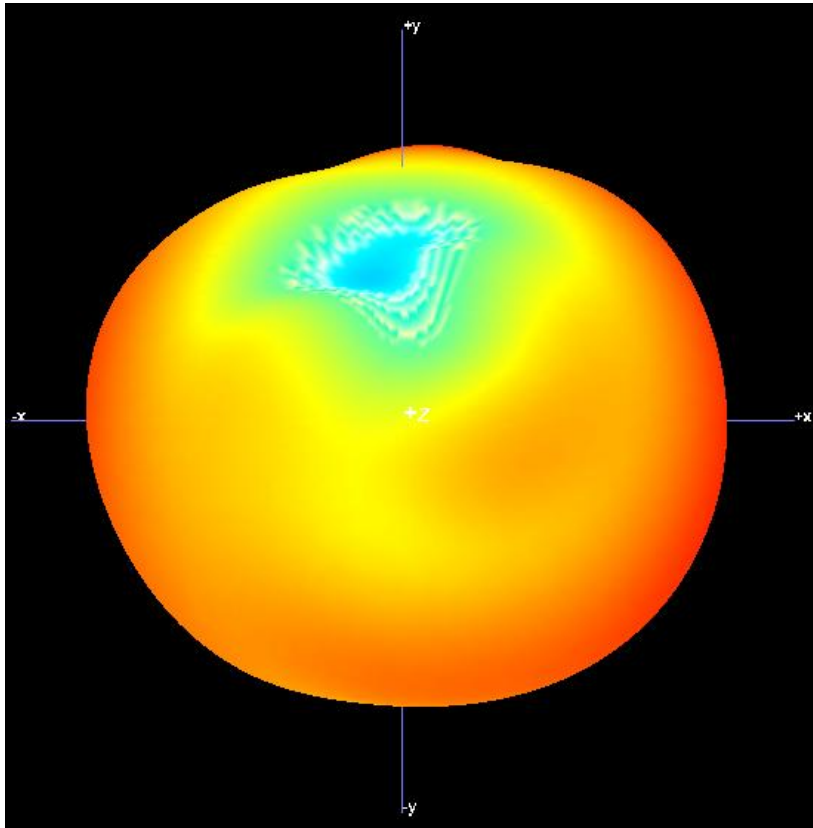
#### 3.1 Test Environment



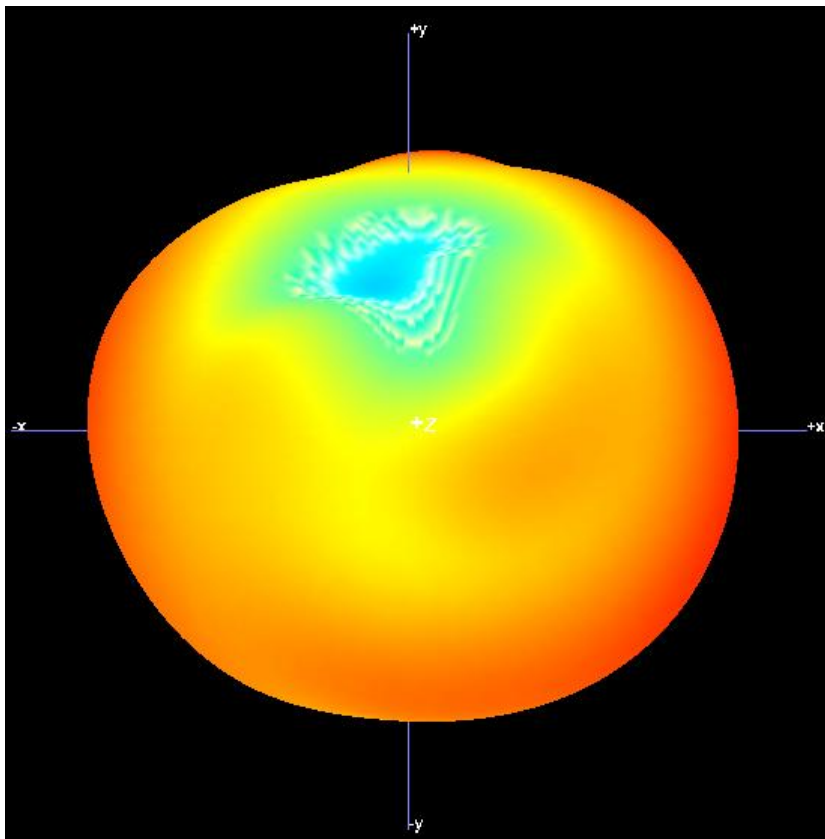
3.2 Gain and Efficiency

备注	2#		
Frequency	Gain (dBi)	Efficiency(%)	PeakGain
2400MHz	-8.42	5%	-8.42
2402MHz	-8.46	5%	
2404MHz	-8.51	5%	
2406MHz	-8.57	5%	
2408MHz	-8.61	5%	
2410MHz	-8.68	5%	
2412MHz	-8.74	5%	
2414MHz	-8.85	5%	
2416MHz	-8.82	5%	
2418MHz	-8.91	5%	
2420MHz	-9.03	5%	
2422MHz	-9.12	5%	
2424MHz	-9.20	5%	
2426MHz	-9.23	5%	
2428MHz	-9.33	4%	
2430MHz	-9.42	4%	
2432MHz	-9.50	4%	
2434MHz	-9.54	4%	
2436MHz	-9.64	4%	
2438MHz	-9.70	4%	
2440MHz	-9.74	4%	
2442MHz	-9.77	4%	
2444MHz	-9.80	4%	
2446MHz	-9.94	4%	
2448MHz	-9.97	4%	
2450MHz	-10.00	4%	
2452MHz	-10.02	4%	
2454MHz	-10.08	3%	
2456MHz	-10.20	3%	
2458MHz	-10.26	3%	
2460MHz	-10.32	3%	
2462MHz	-10.40	3%	
2464MHz	-10.46	3%	
2466MHz	-10.45	3%	
2468MHz	-10.52	3%	
2470MHz	-10.60	3%	
2472MHz	-10.68	3%	
2474MHz	-10.73	3%	
2476MHz	-10.84	3%	
2478MHz	-10.92	3%	
2480MHz	-11.00	3%	
2482MHz	-11.09	3%	
2484MHz	-11.15	3%	

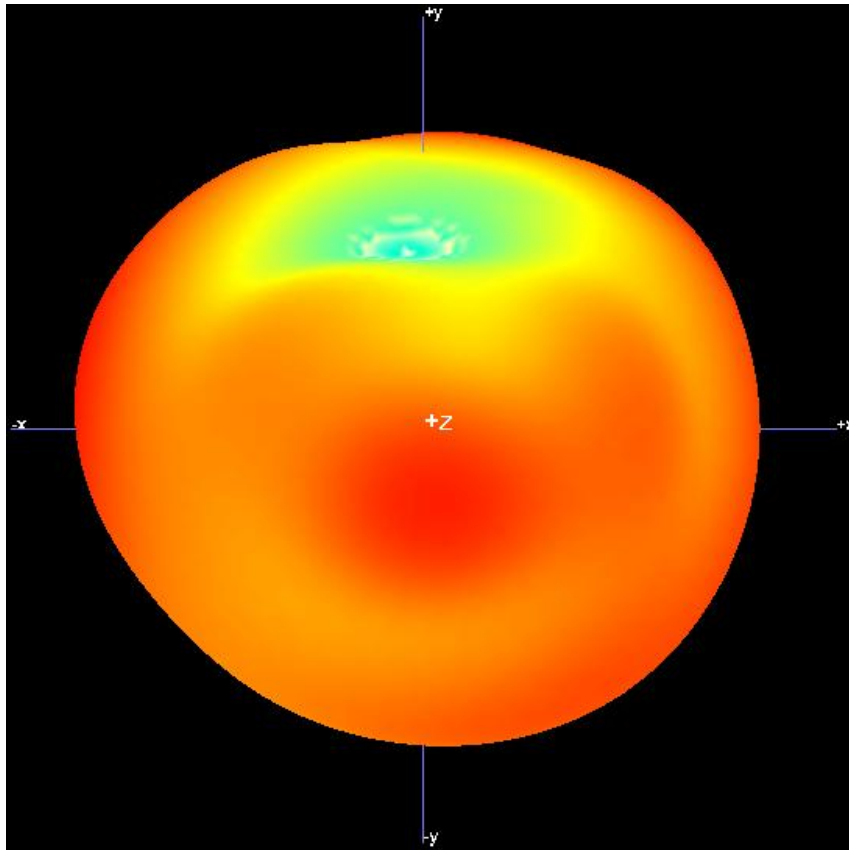
3.3 3D Polar Plot



2402MHz



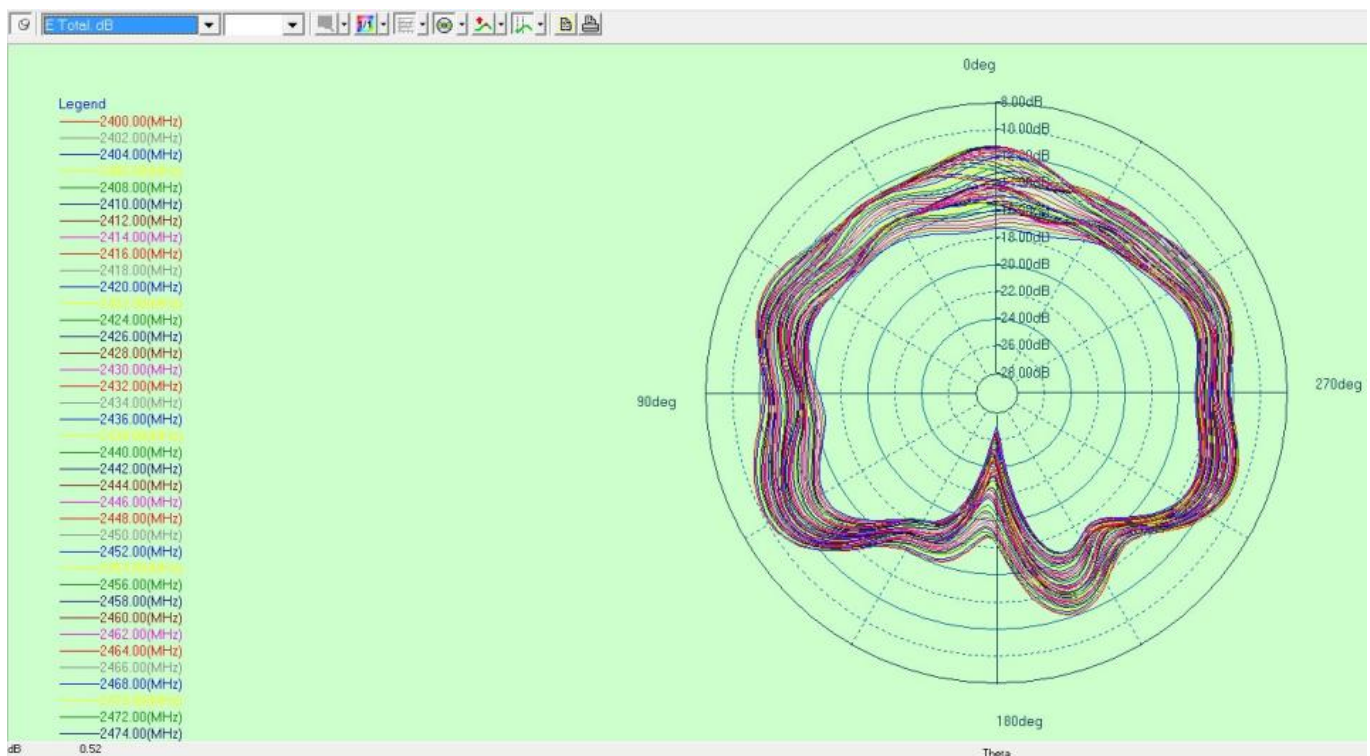
2440MHz



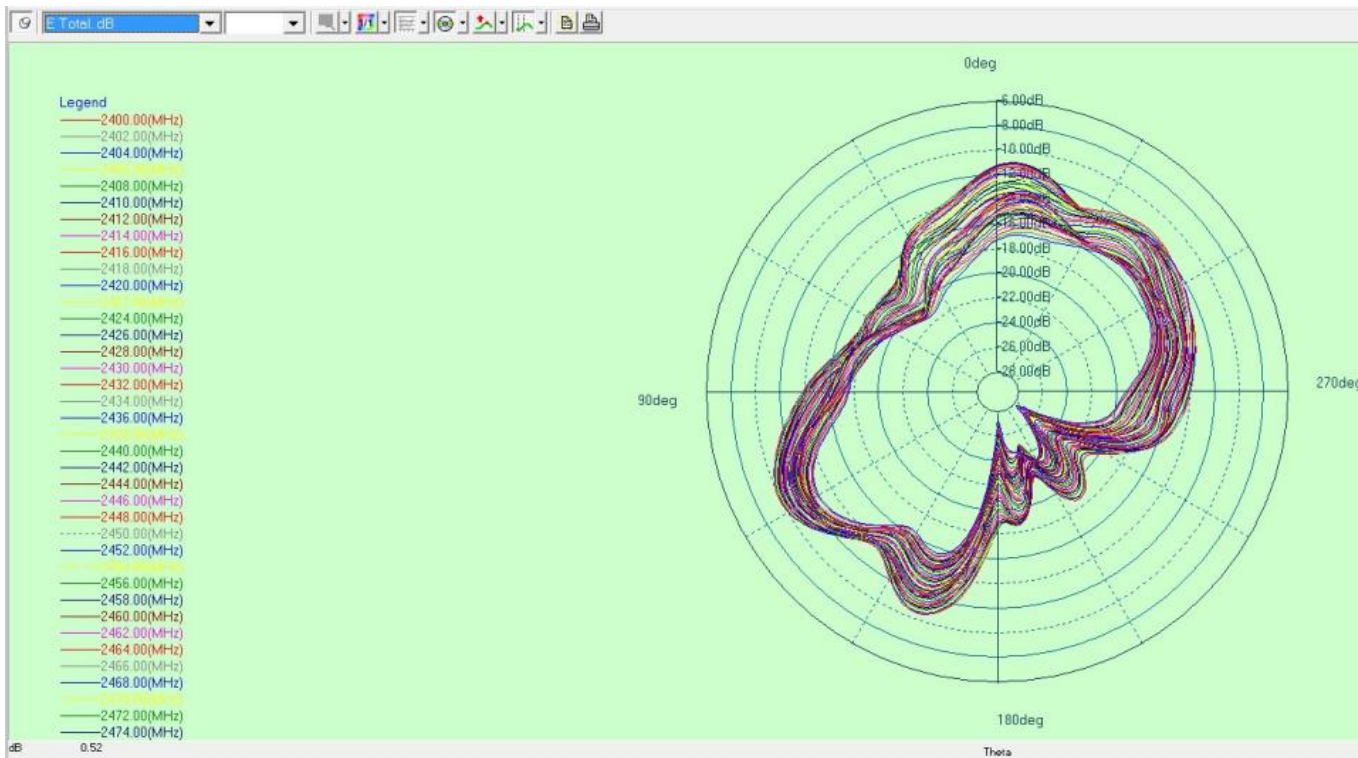
2480MHz

### 3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



(2) E2, YZ Plane, phi=90°



(3) H, XY plane, theta=90°

