

Antenna Coding: ANT-BBNCNC22018

Antenna Type: PCB onboard Antenna

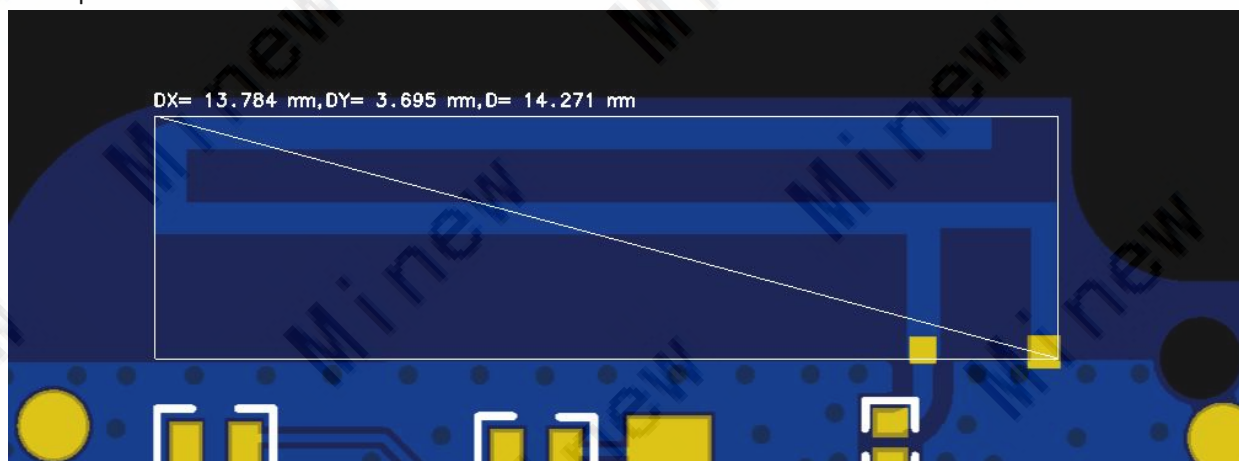
Model of the DUT: AA2321

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

## 1、Technical Specification

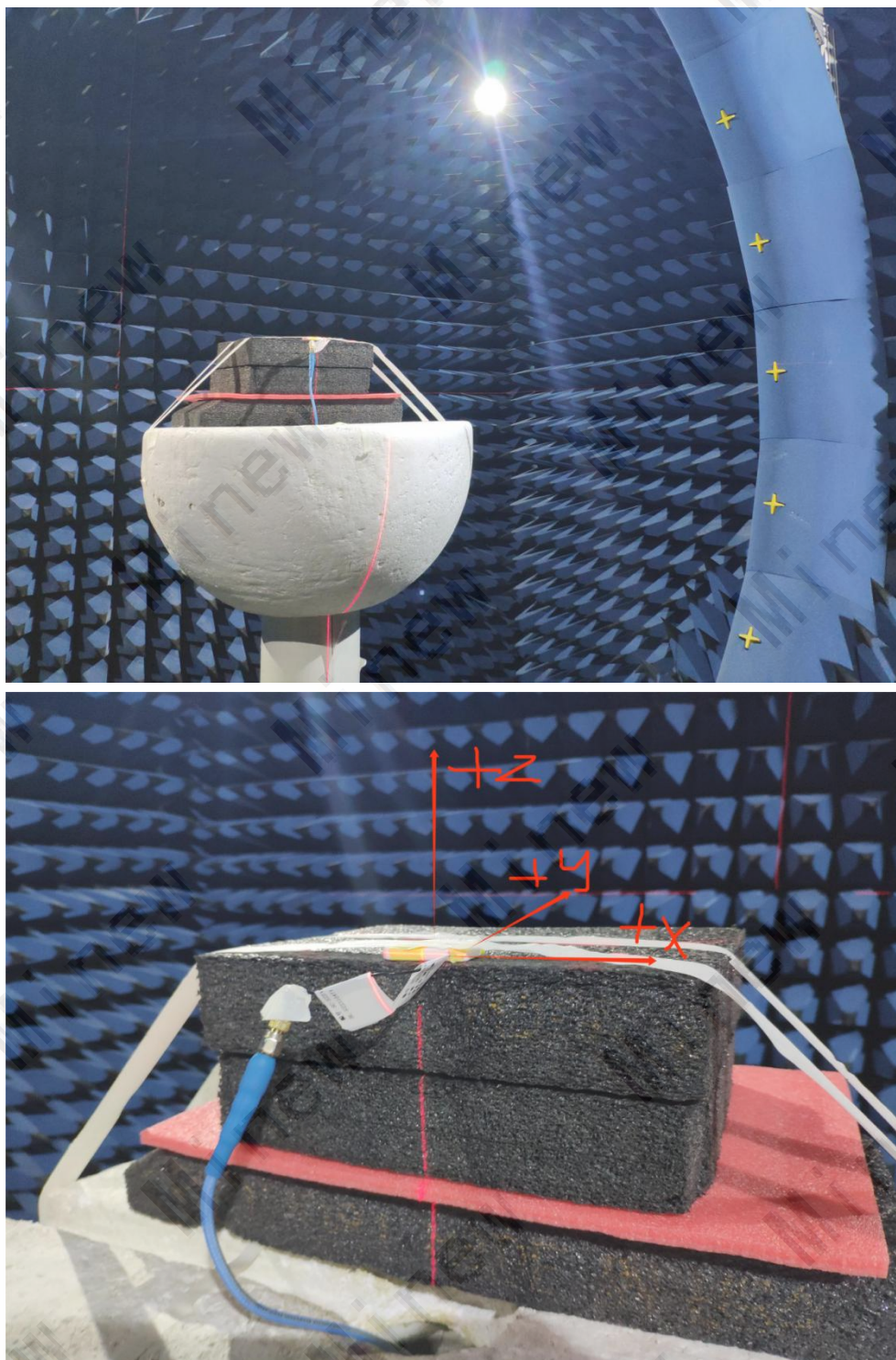
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance ( $\Omega$ )	50
Return Loss (dB)	$<-10$
VSWR	$<2$
Peak Gain (dBi)	2.73
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	13.784*3.695
Radiator	Cuprum

## 2、The shape and size of the antenna



### 3、 The result of the test

#### 3.1 Test Environment







深圳云里物里科技股份有限公司  
产品天线测试报告 (The Antenna Test Report)

Y-YB-CR-115

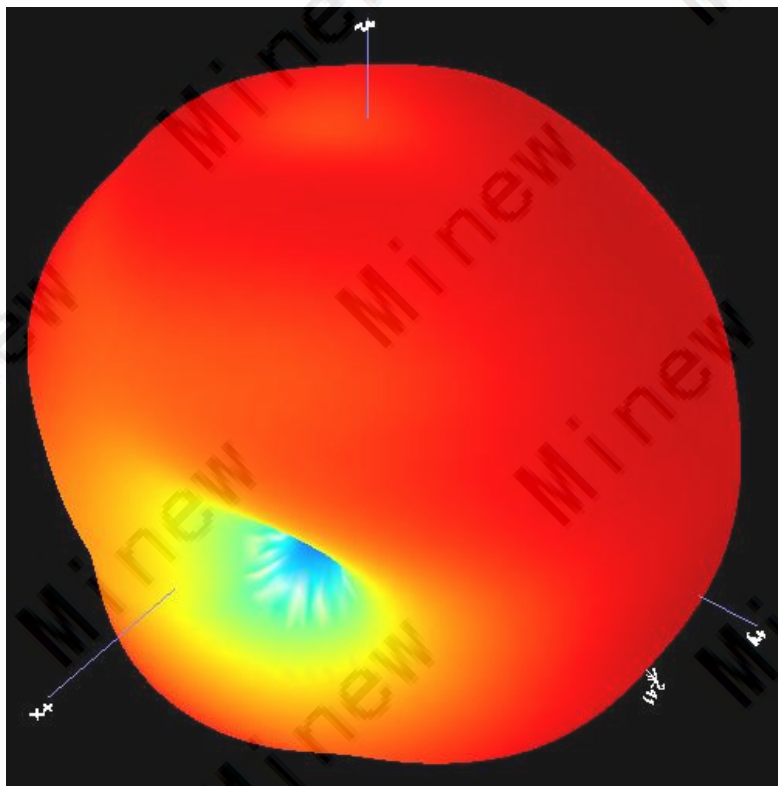
V001

密级: 绝密 /confidentiality

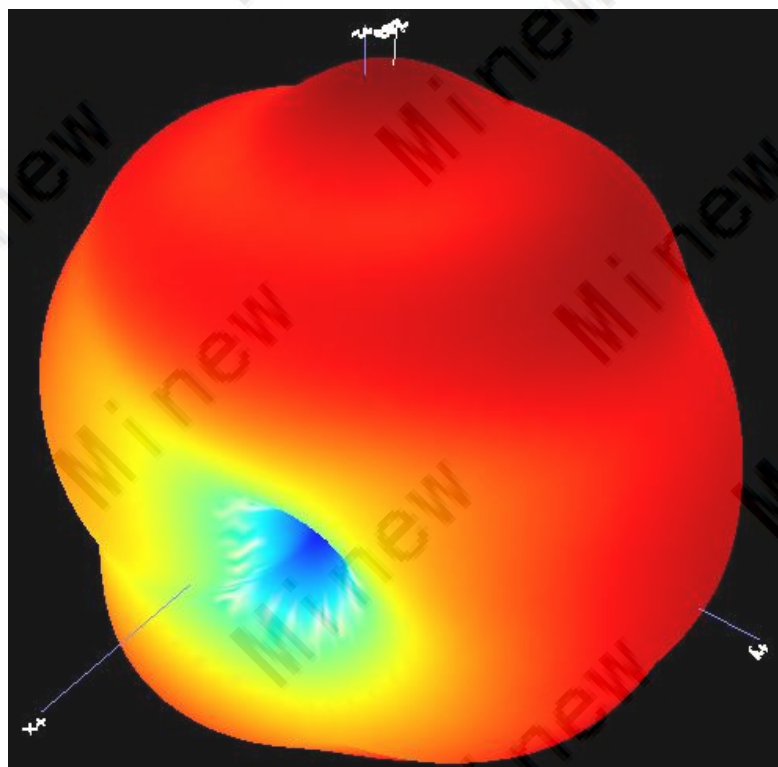
### 3.2 Gain and Efficiency

EUT型号	2#-DBT03		PeakGain (dBi)
备注	1#		
Frequency	Gain (dBi)	Efficiency( )	
2400MHz	2.42	72%	2.73
2402MHz	2.41	72%	
2404MHz	2.38	72%	
2406MHz	2.26	72%	
2408MHz	2.24	72%	
2410MHz	2.21	73%	
2412MHz	2.19	73%	
2414MHz	2.14	73%	
2416MHz	2.15	73%	
2418MHz	2.14	74%	
2420MHz	2.13	74%	
2422MHz	2.13	74%	
2424MHz	2.17	74%	
2426MHz	2.33	75%	
2428MHz	2.49	75%	
2430MHz	2.62	75%	
2432MHz	2.69	75%	
2434MHz	2.73	75%	
2436MHz	2.71	75%	
2438MHz	2.68	75%	
2440MHz	2.63	75%	
2442MHz	2.57	75%	
2444MHz	2.59	75%	
2446MHz	2.63	75%	
2448MHz	2.62	75%	
2450MHz	2.62	75%	
2452MHz	2.62	75%	
2454MHz	2.59	75%	
2456MHz	2.57	76%	
2458MHz	2.56	76%	
2460MHz	2.57	77%	
2462MHz	2.56	77%	
2464MHz	2.57	78%	
2466MHz	2.52	79%	
2468MHz	2.55	79%	
2470MHz	2.54	80%	
2472MHz	2.61	80%	
2474MHz	2.63	80%	
2476MHz	2.49	81%	
2478MHz	2.45	80%	
2480MHz	2.41	79%	

### 3.3 3D Polar Plot

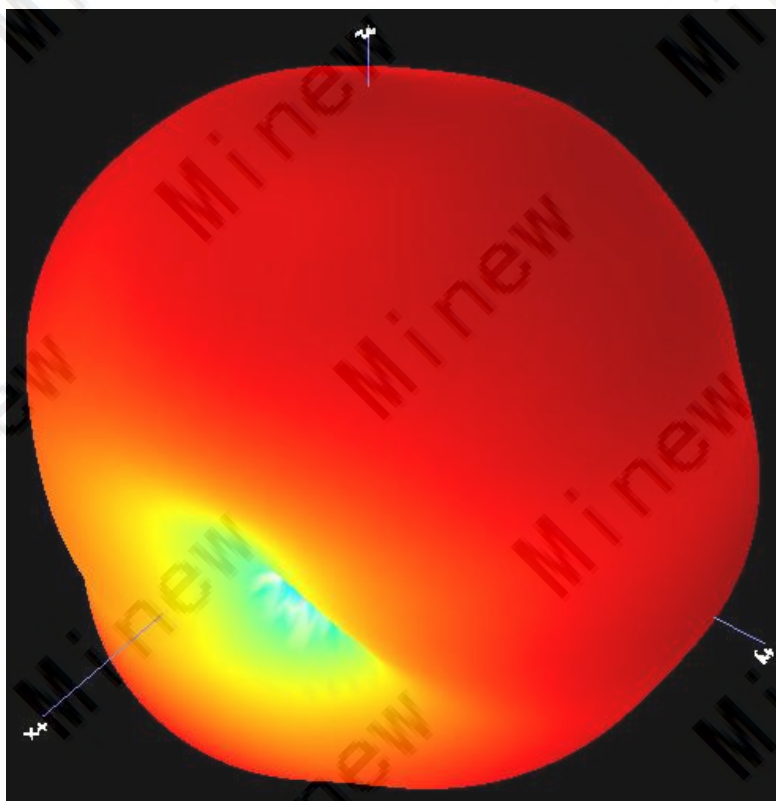


2402MHz



2440MHz

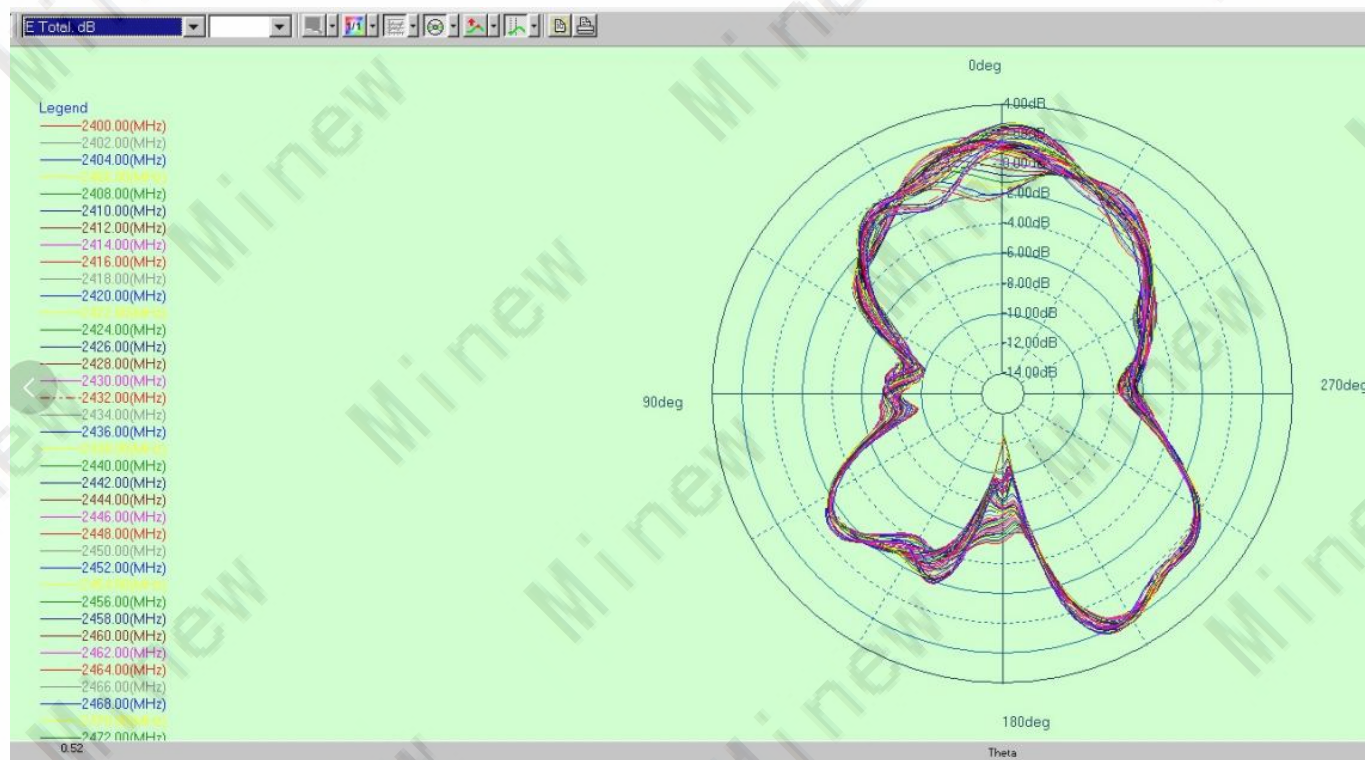




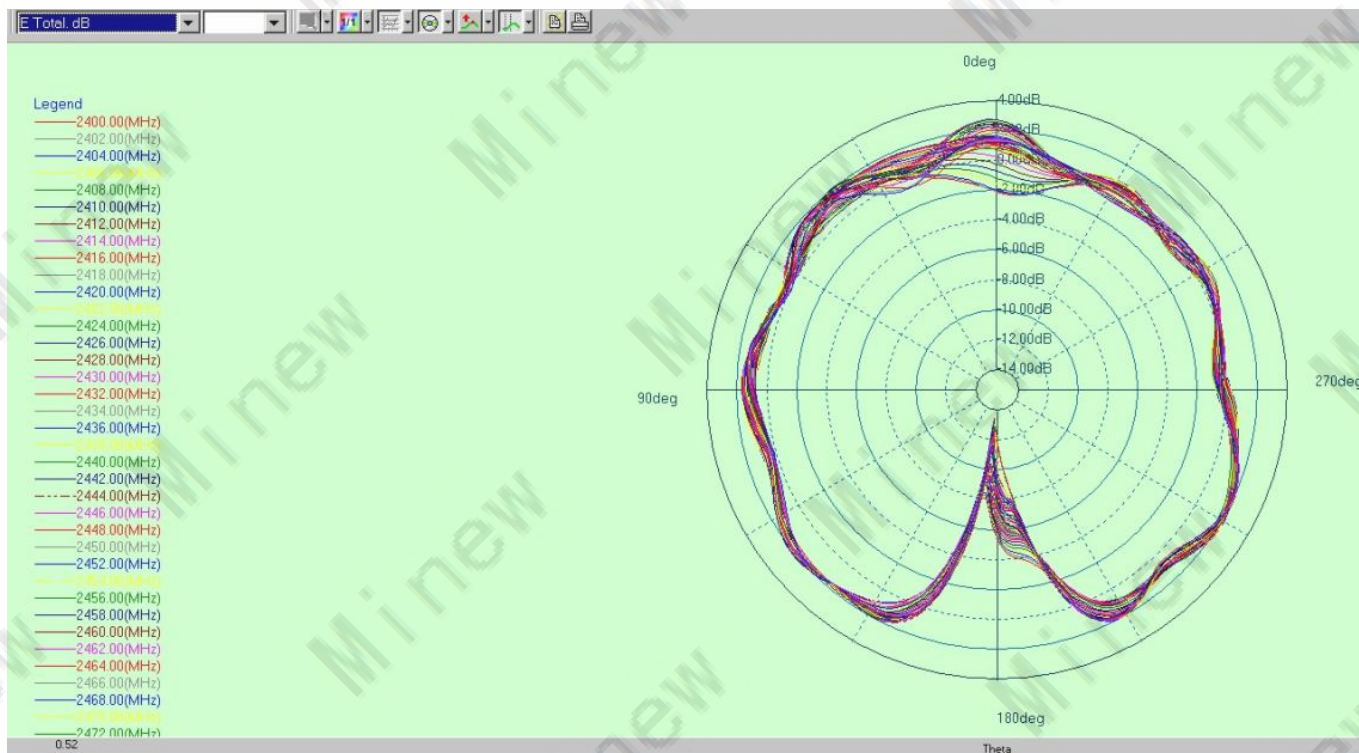
2480MHz

### 3.4 2D Radiation Pattern

#### (1) E1, XZ Plane, phi=0



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



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

