

Antenna Coding: ANT-BBNCNC22014

Antenna Type: PCB onboard Antenna, Patch Antenna

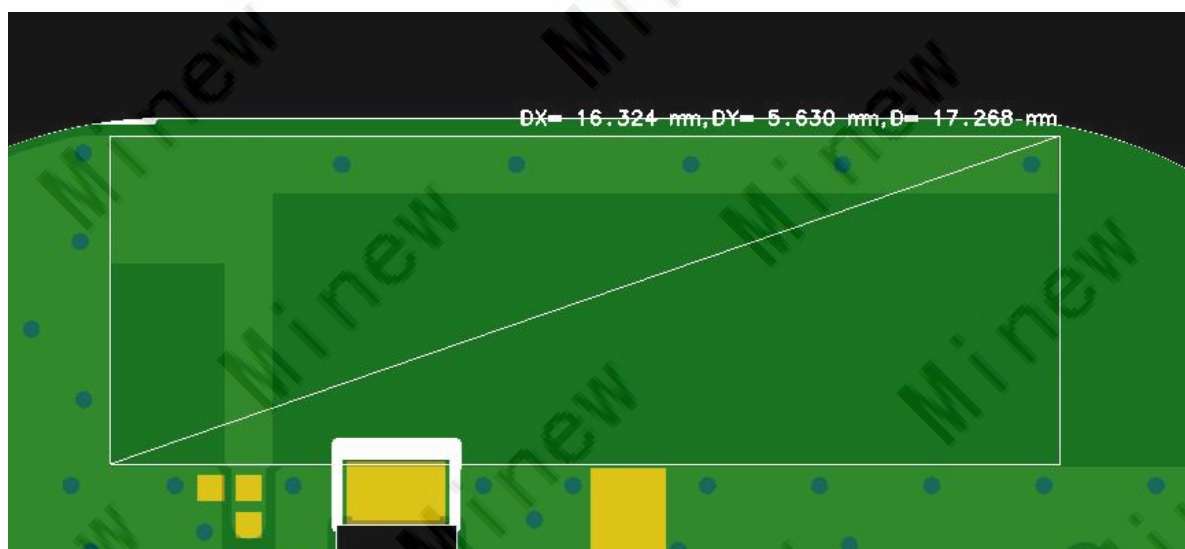
Model of the DUT: MBT02

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

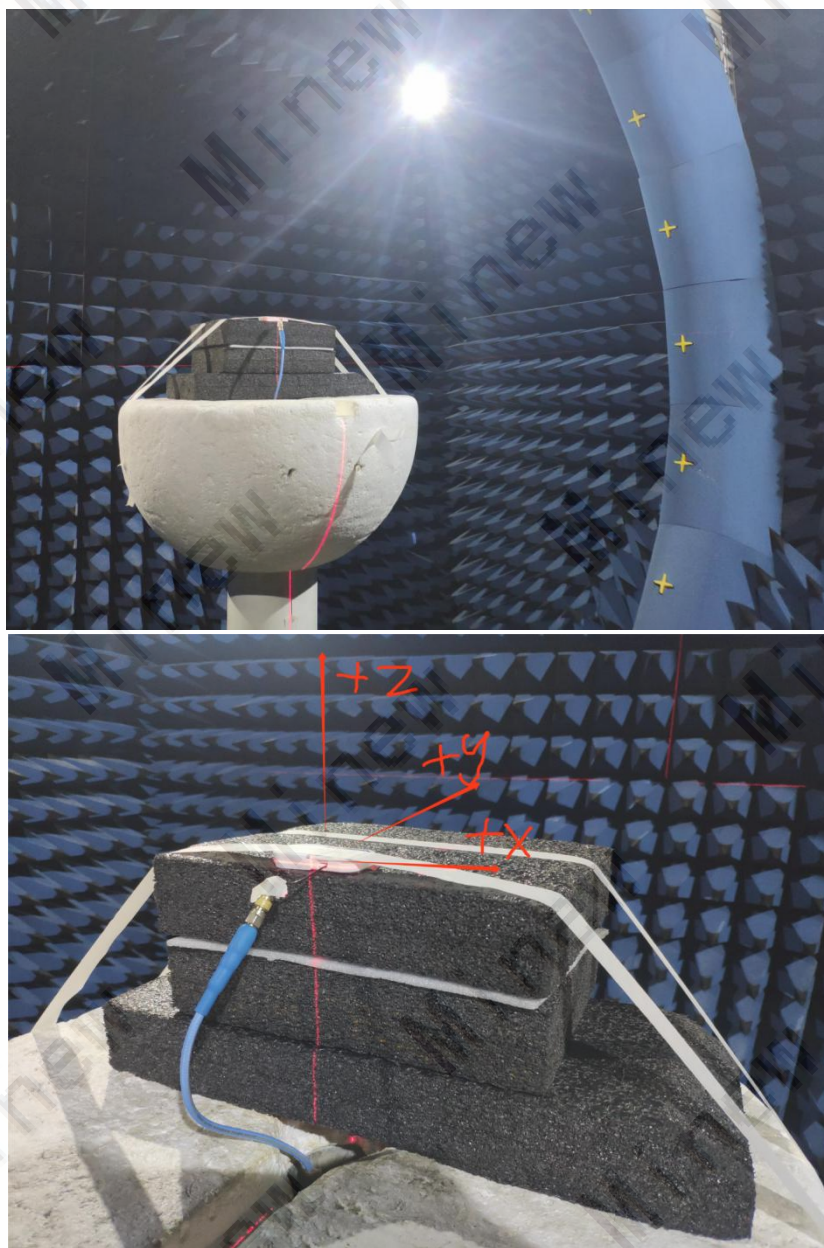
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-15dB
VSWR	<1.5
Peak Gain (dBi)	3.38
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	16.32*5.63
Radiator	Cuprum

2、The shape and size of the antenna



3、The result of the test

3.1 Test Environment



3.2 Gain and Efficiency



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)

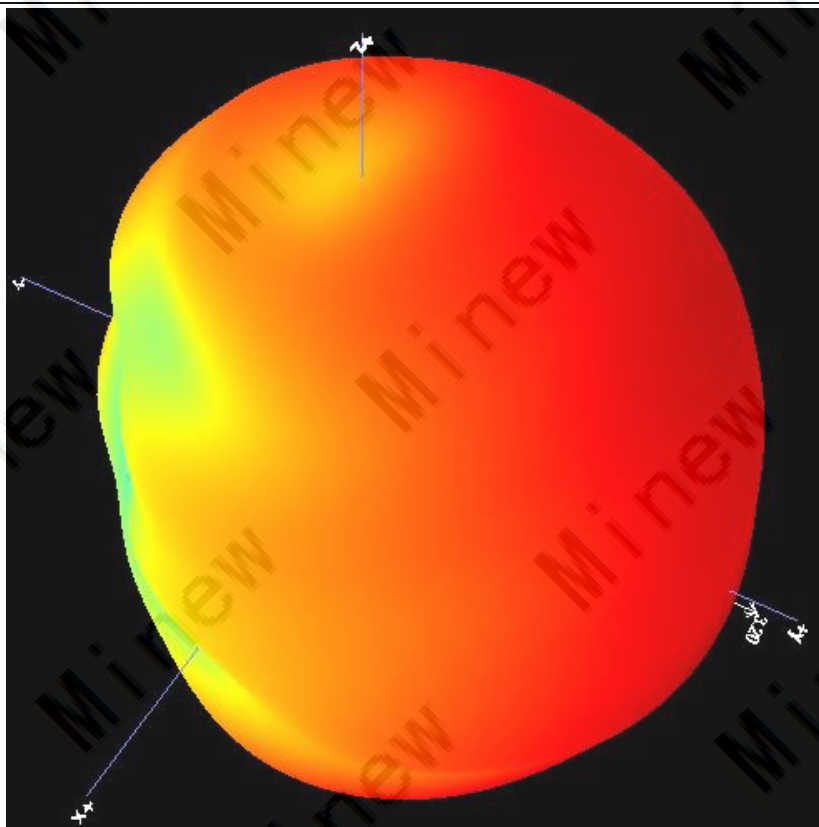
Y-YB-CR-115

V001

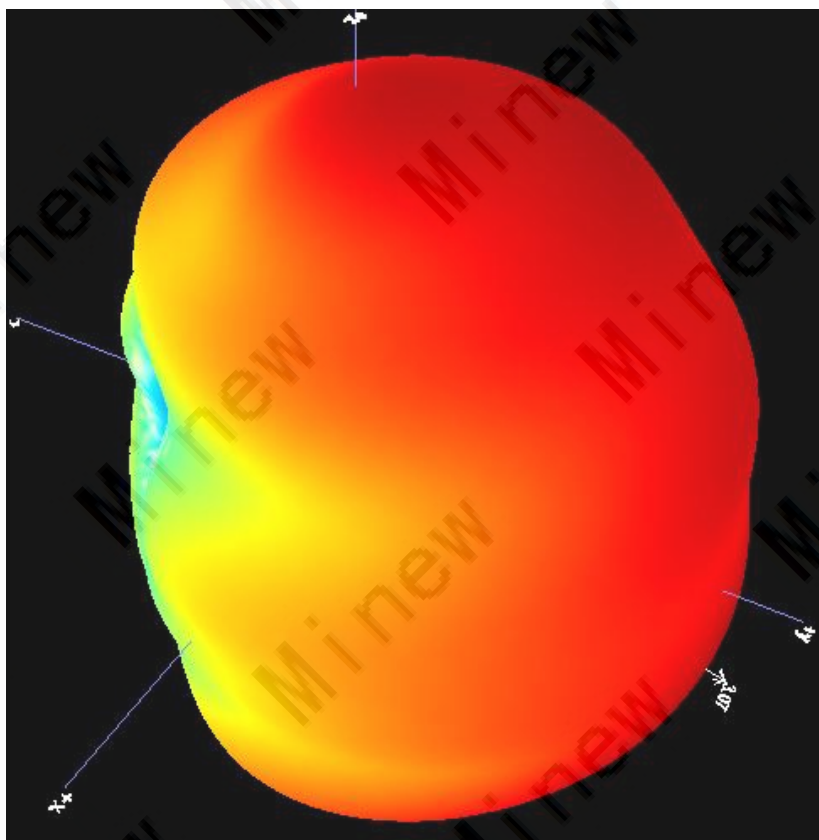
密级: 绝密 /confidentiality

EUT型号 备注	1#-MBT02		
Frequency	Gain (dBi)	Efficiency()	PeakGain
2400MHz	3.21	71%	3.3838
2402MHz	3.20	71%	
2404MHz	3.18	71%	
2406MHz	3.18	70%	
2408MHz	3.18	70%	
2410MHz	3.17	70%	
2412MHz	3.16	70%	
2414MHz	3.12	70%	
2416MHz	3.10	70%	
2418MHz	3.07	70%	
2420MHz	3.03	70%	
2422MHz	3.01	70%	
2424MHz	3.00	71%	
2426MHz	3.01	71%	
2428MHz	2.99	72%	
2430MHz	2.97	72%	
2432MHz	2.95	72%	
2434MHz	2.96	72%	
2436MHz	3.04	73%	
2438MHz	3.06	73%	
2440MHz	3.07	73%	
2442MHz	3.10	73%	
2444MHz	3.12	73%	
2446MHz	3.17	73%	
2448MHz	3.27	73%	
2450MHz	3.27	72%	
2452MHz	3.28	72%	
2454MHz	3.27	72%	
2456MHz	3.33	72%	
2458MHz	3.33	72%	
2460MHz	3.33	71%	
2462MHz	3.35	71%	
2464MHz	3.36	71%	
2466MHz	3.30	72%	
2468MHz	3.31	72%	
2470MHz	3.34	72%	
2472MHz	3.35	73%	
2474MHz	3.38	74%	
2476MHz	3.26	74%	
2478MHz	3.28	74%	
2480MHz	3.30	75%	

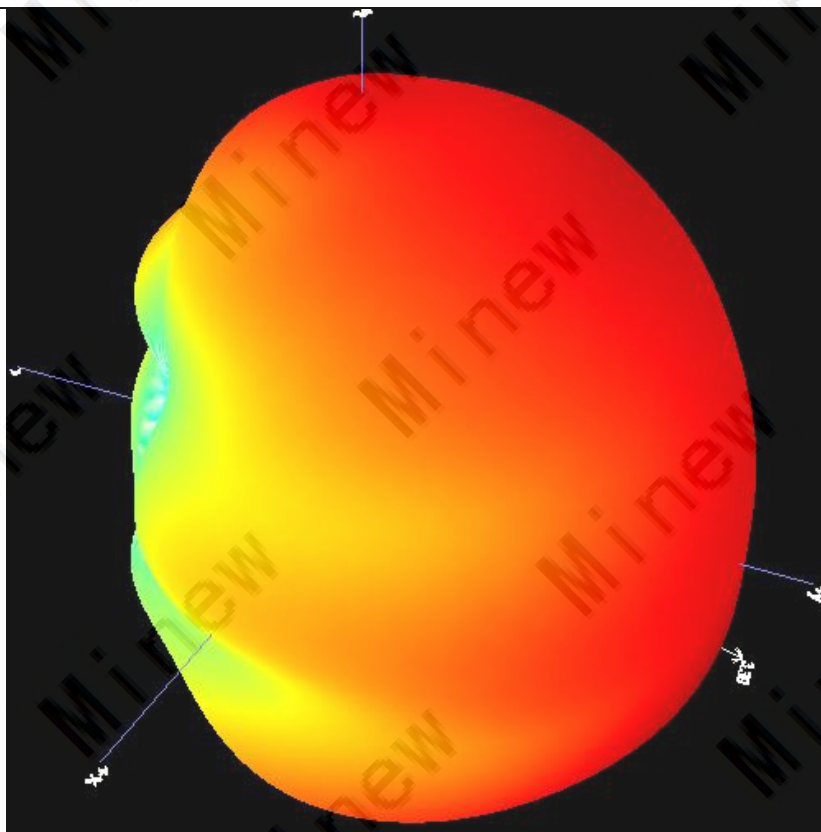
3.3 3D Polar Plot



2402MHz



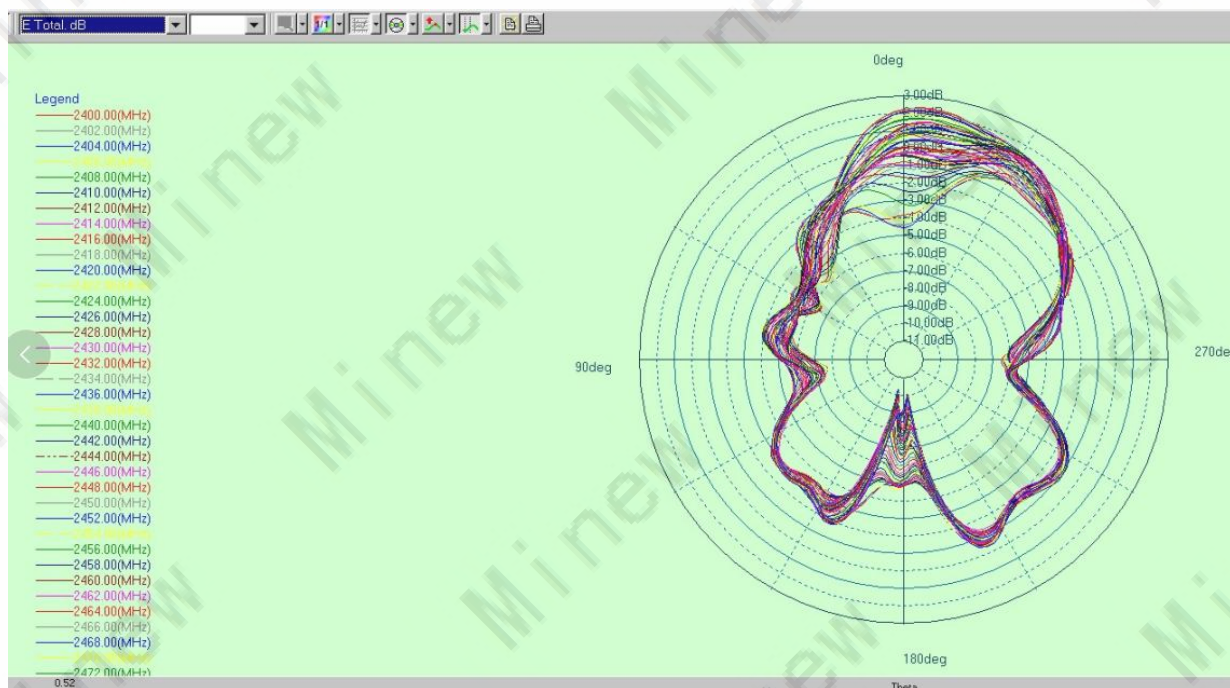
2440MHz



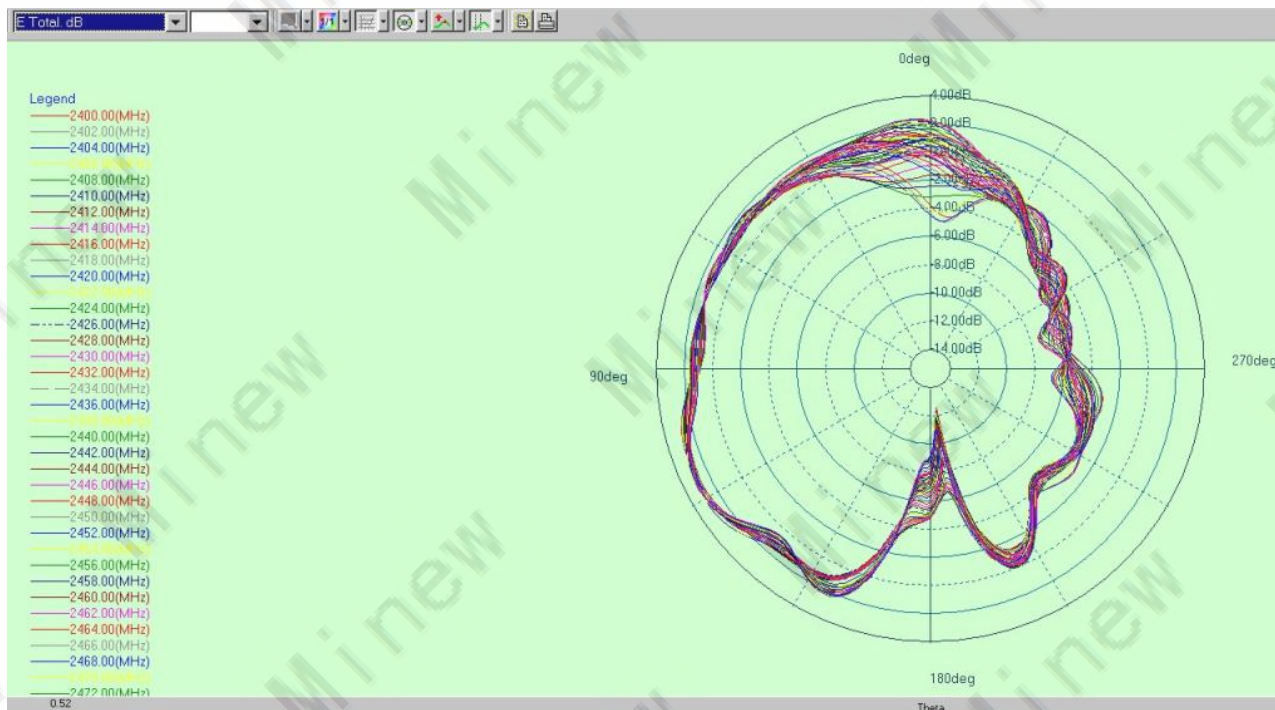
2480MHz

3.4 2D Radiation Pattern

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



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



(3) H , XY plane, theta=90°

