

Antenna Coding: ANT-BBNCNC22013

Antenna Type: PCB onboard Antenna, Patch Antenna

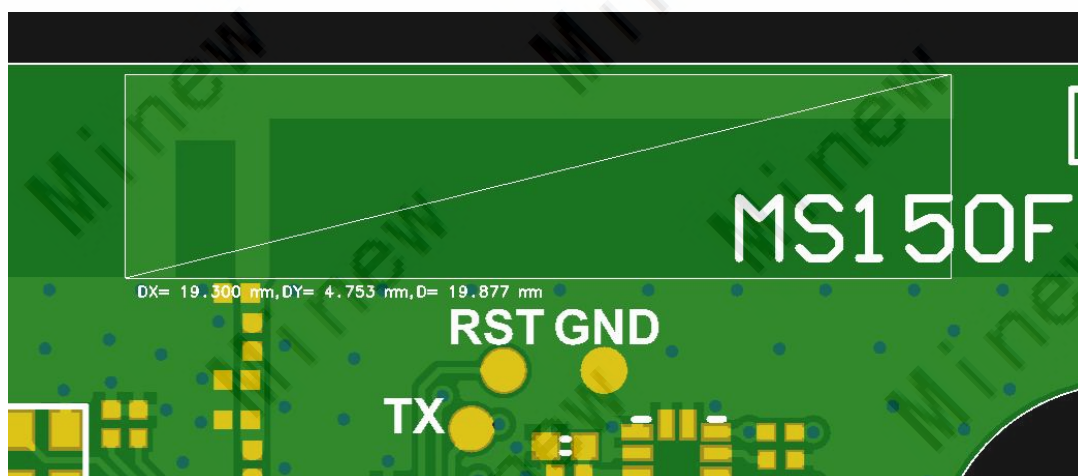
Model of the DUT: MWC01

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

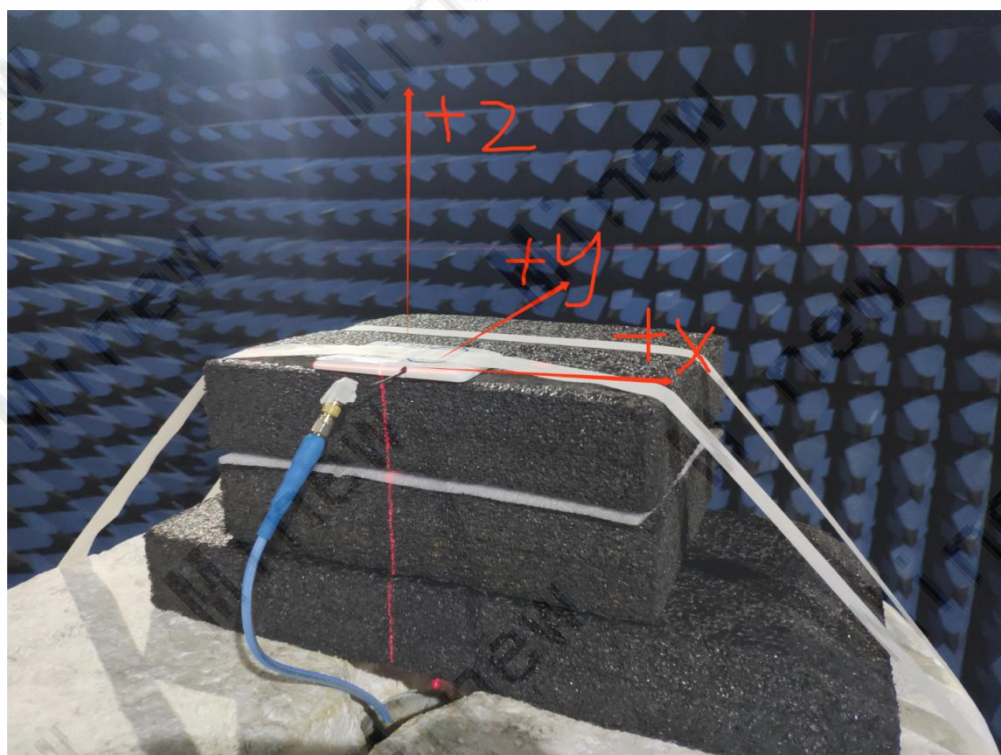
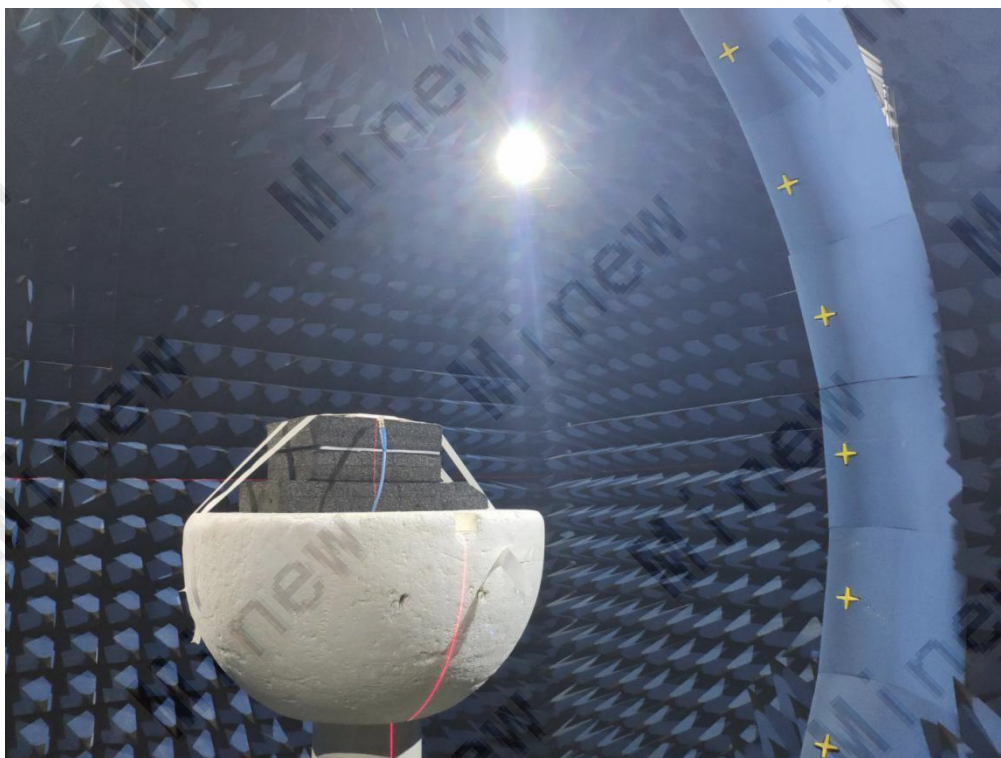
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-15
VSWR	<1.5
Peak Gain (dBi)	2.54
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	19.3*4.75
Radiator	Cuprum

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

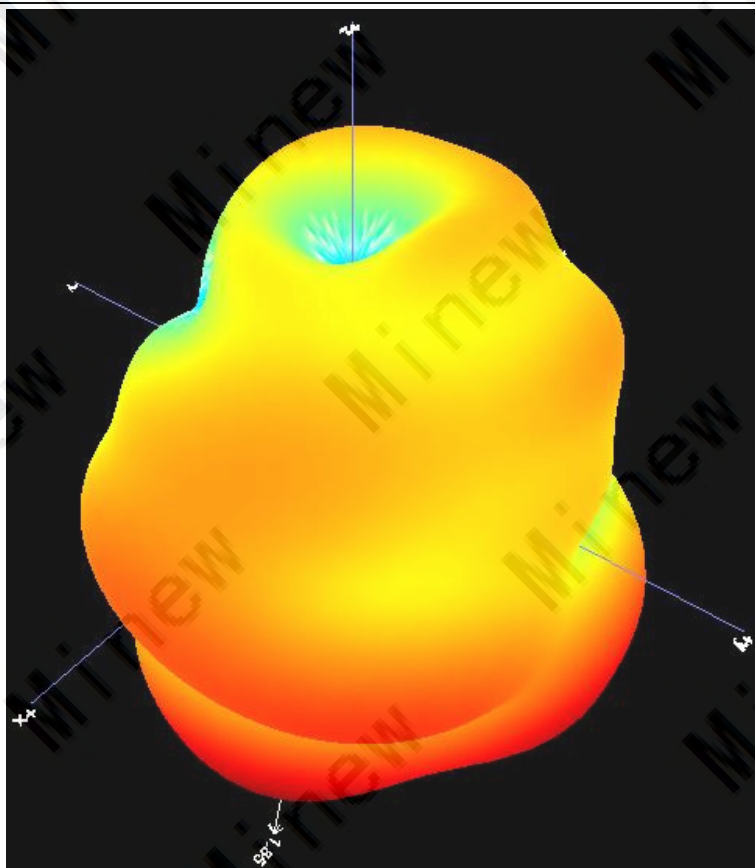
V001

密级: 绝密 /confidentiality

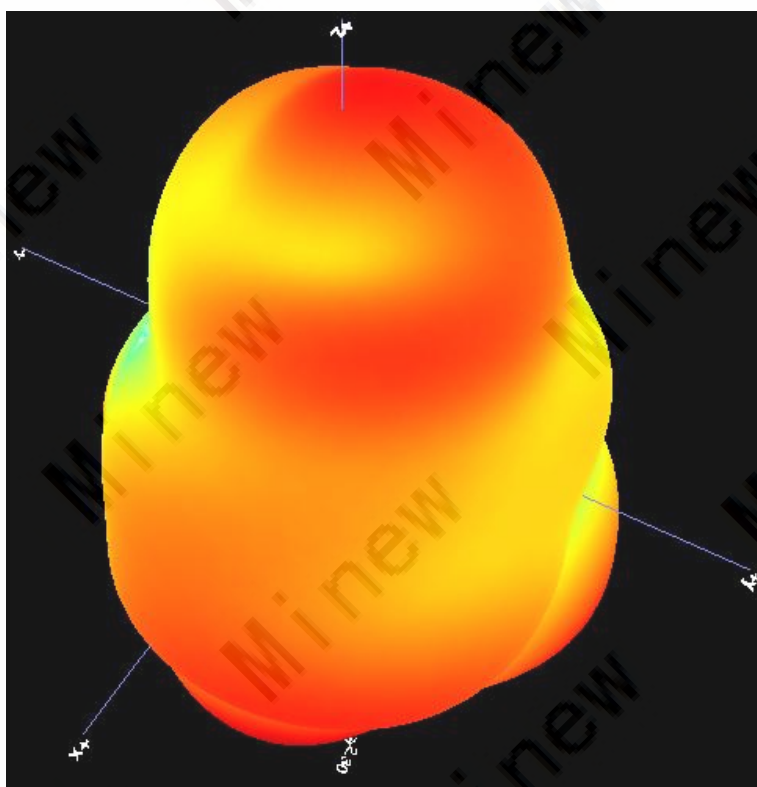
3.2 Gain and Efficiency

EUT型号 备注	2#-MWC01		PeakGain
Frequency	Gain (dBi)	Efficiency()	
2400MHz	1.83	66%	2.54643
2402MHz	1.85	66%	
2404MHz	1.85	66%	
2406MHz	1.79	66%	
2408MHz	1.80	67%	
2410MHz	1.81	67%	
2412MHz	1.79	67%	
2414MHz	1.77	67%	
2416MHz	1.87	68%	
2418MHz	1.87	68%	
2420MHz	1.87	68%	
2422MHz	1.91	69%	
2424MHz	1.98	69%	
2426MHz	2.03	70%	
2428MHz	2.05	70%	
2430MHz	2.10	70%	
2432MHz	2.15	70%	
2434MHz	2.20	70%	
2436MHz	2.21	70%	
2438MHz	2.24	70%	
2440MHz	2.30	70%	
2442MHz	2.35	70%	
2444MHz	2.37	70%	
2446MHz	2.48	70%	
2448MHz	2.51	70%	
2450MHz	2.55	70%	
2452MHz	2.48	71%	
2454MHz	2.49	71%	
2456MHz	2.49	71%	
2458MHz	2.51	72%	
2460MHz	2.49	72%	
2462MHz	2.50	72%	
2464MHz	2.51	73%	
2466MHz	2.45	73%	
2468MHz	2.45	74%	
2470MHz	2.47	74%	
2472MHz	2.48	75%	
2474MHz	2.50	75%	
2476MHz	2.50	76%	
2478MHz	2.52	75%	
2480MHz	2.54	75%	

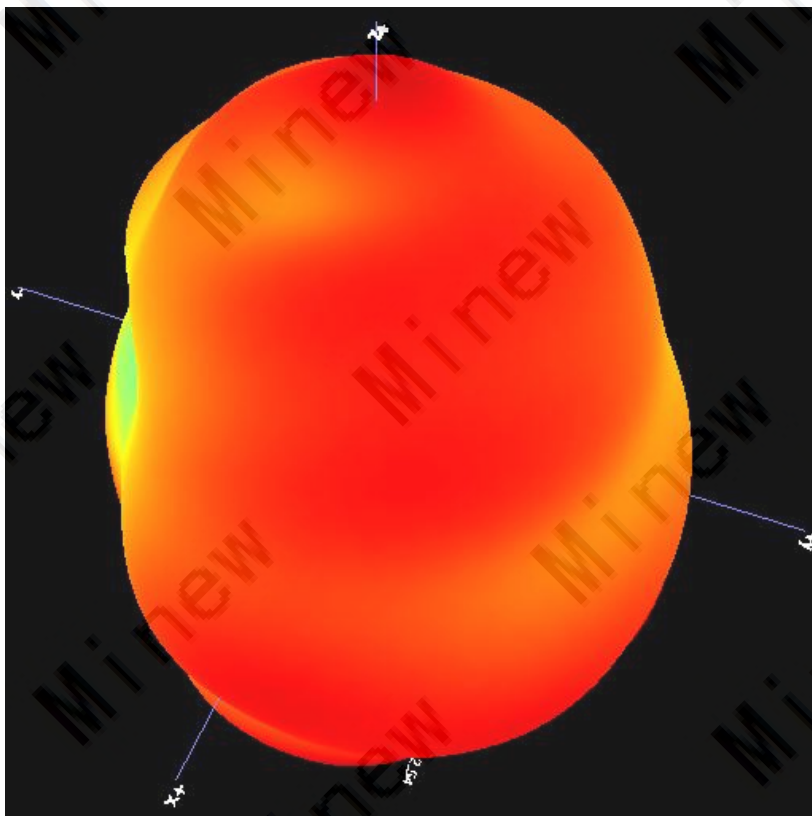
3.3 3D Polar Plot



2402MHz



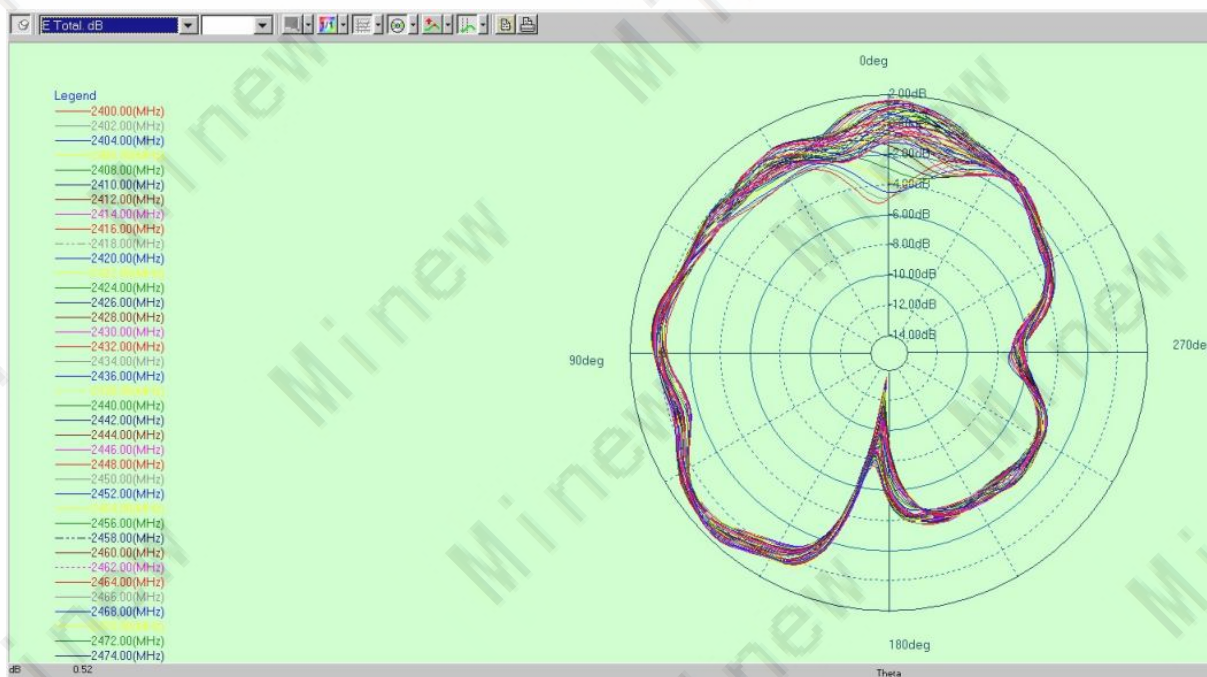
2440MHz



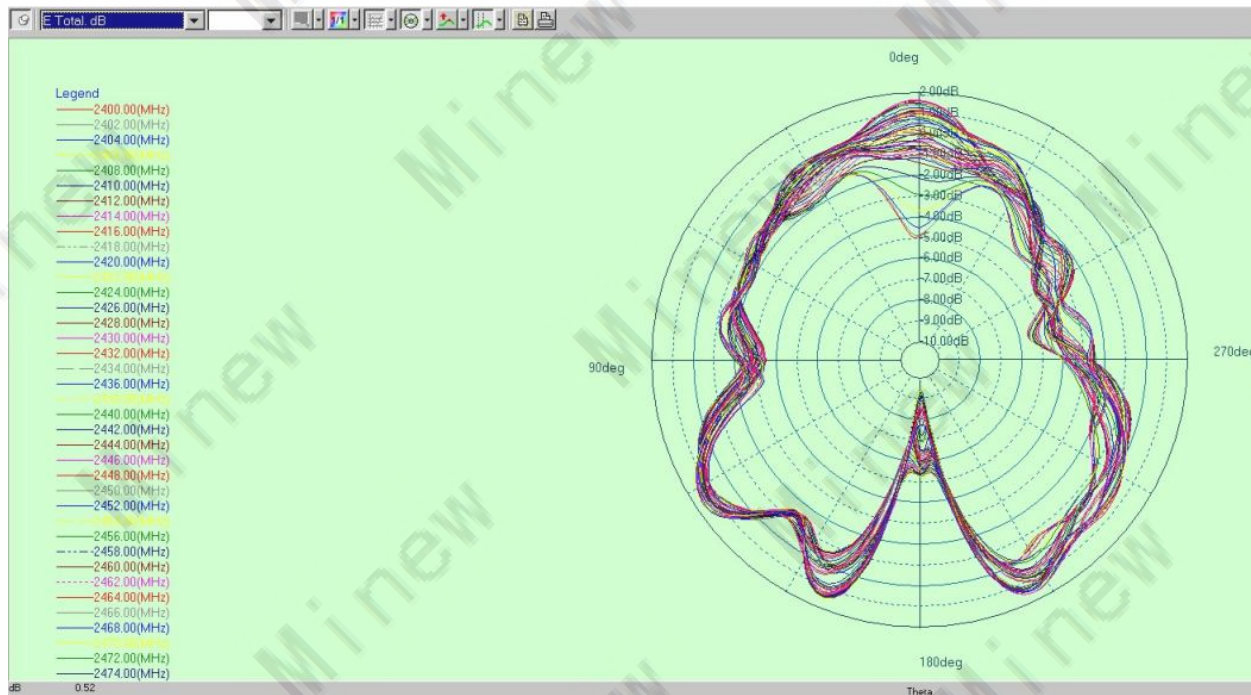
2480MHz

3.4 2D Radiation Pattern

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



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



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

