

Antenna Coding: ANT-BBNCNC23001

Antenna Type: PCB onboard Antenna

Model of the DUT: MBS02

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

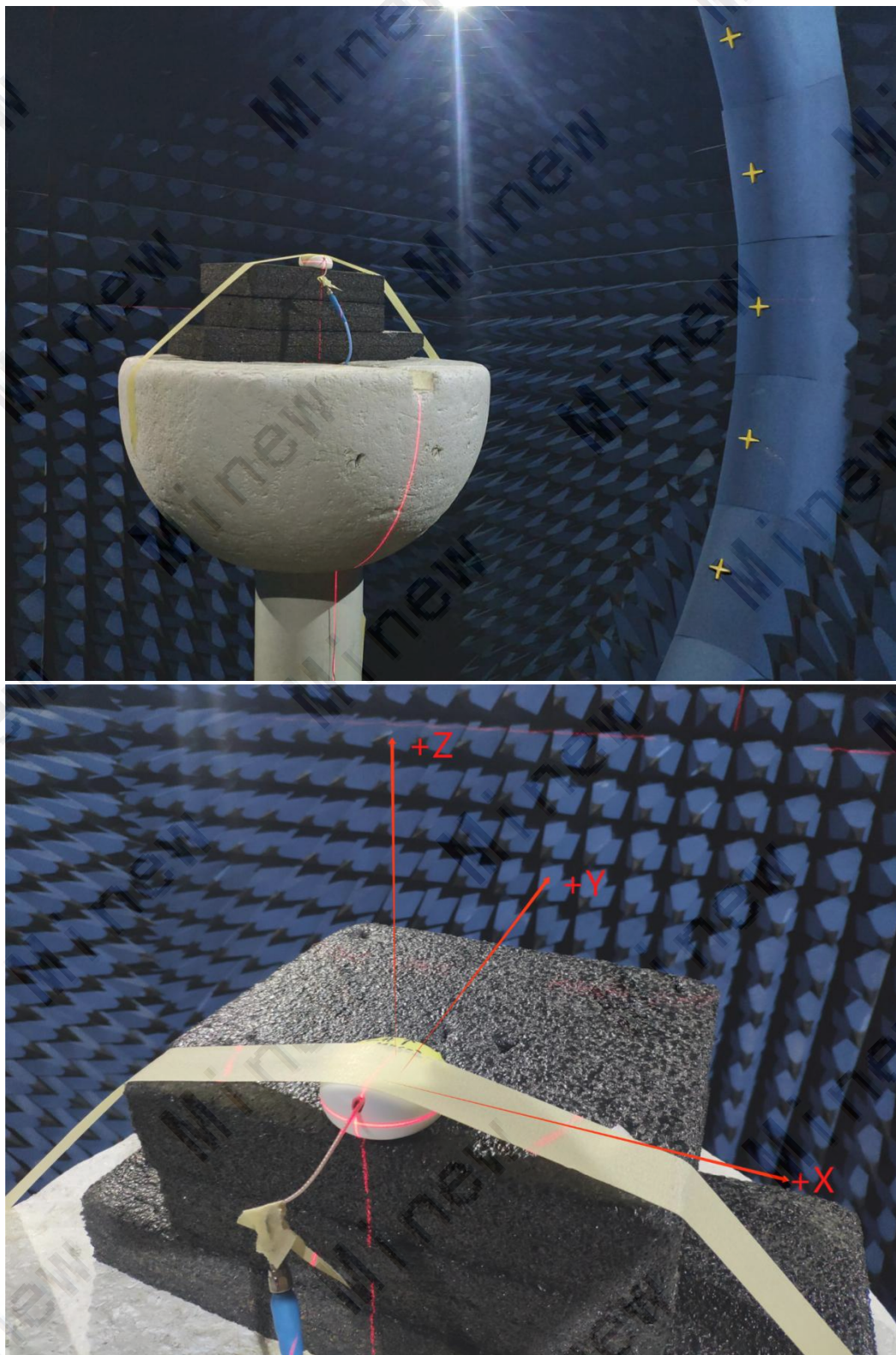
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	2.29
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	27.4*5.7
Radiator	Cuprum

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

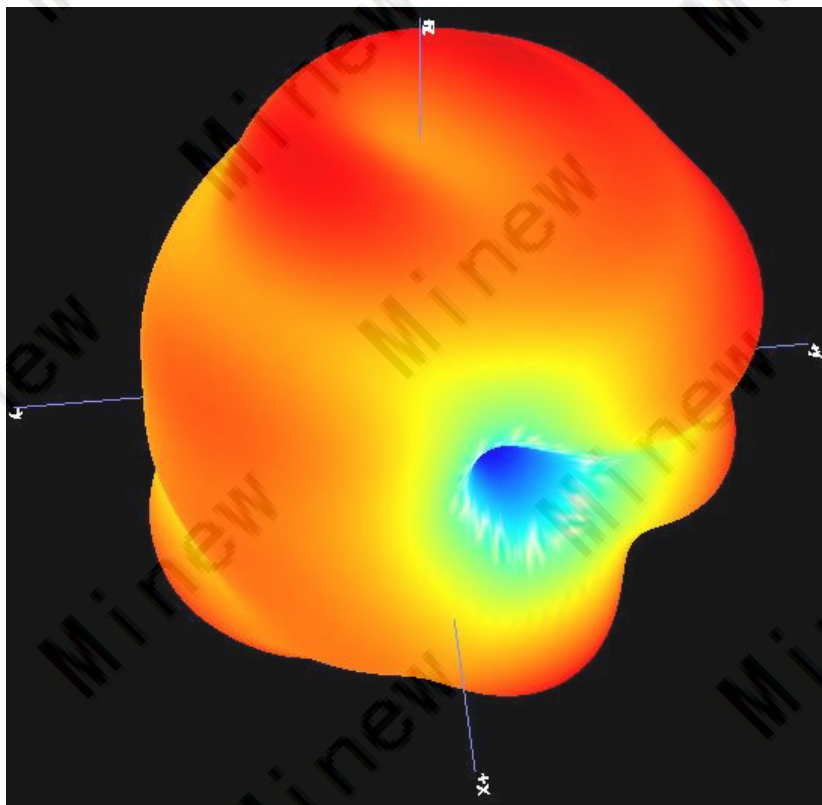
V001

密级: 绝密 /confidentiality

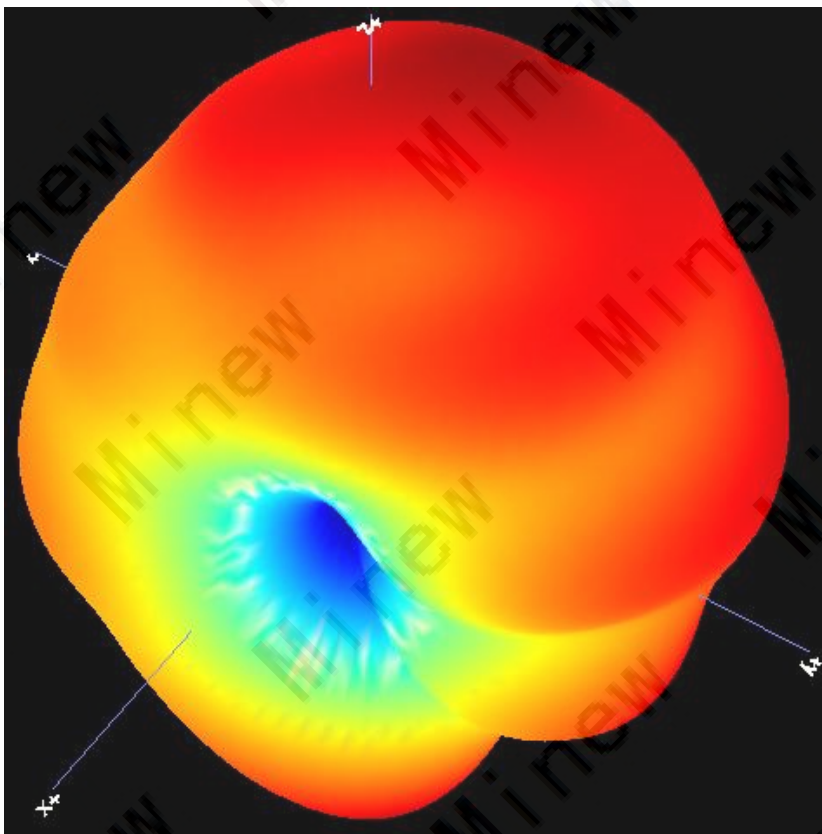
3.2 Gain and Efficiency

Frequency	Gain(dBi)	Efficiency(%)	PeakGain (dBi)
2400MHz	1.61	67%	2.29
2402MHz	1.68	68%	
2404MHz	1.71	68%	
2406MHz	1.68	68%	
2408MHz	1.70	68%	
2410MHz	1.70	69%	
2412MHz	1.67	69%	
2414MHz	1.64	69%	
2416MHz	1.62	69%	
2418MHz	1.62	69%	
2420MHz	1.59	69%	
2422MHz	1.57	70%	
2424MHz	1.76	70%	
2426MHz	1.88	71%	
2428MHz	2.04	71%	
2430MHz	2.12	71%	
2432MHz	2.15	72%	
2434MHz	2.13	72%	
2436MHz	2.05	72%	
2438MHz	1.91	72%	
2440MHz	1.95	72%	
2442MHz	2.00	73%	
2444MHz	2.02	73%	
2446MHz	2.24	73%	
2448MHz	2.24	72%	
2450MHz	2.26	72%	
2452MHz	2.26	72%	
2454MHz	2.24	72%	
2456MHz	2.19	72%	
2458MHz	2.20	72%	
2460MHz	2.20	73%	
2462MHz	2.20	73%	
2464MHz	2.22	74%	
2466MHz	2.11	74%	
2468MHz	2.14	75%	
2470MHz	2.15	76%	
2472MHz	2.18	76%	
2474MHz	2.23	77%	
2476MHz	2.29	78%	
2478MHz	2.29	78%	
2480MHz	2.28	78%	

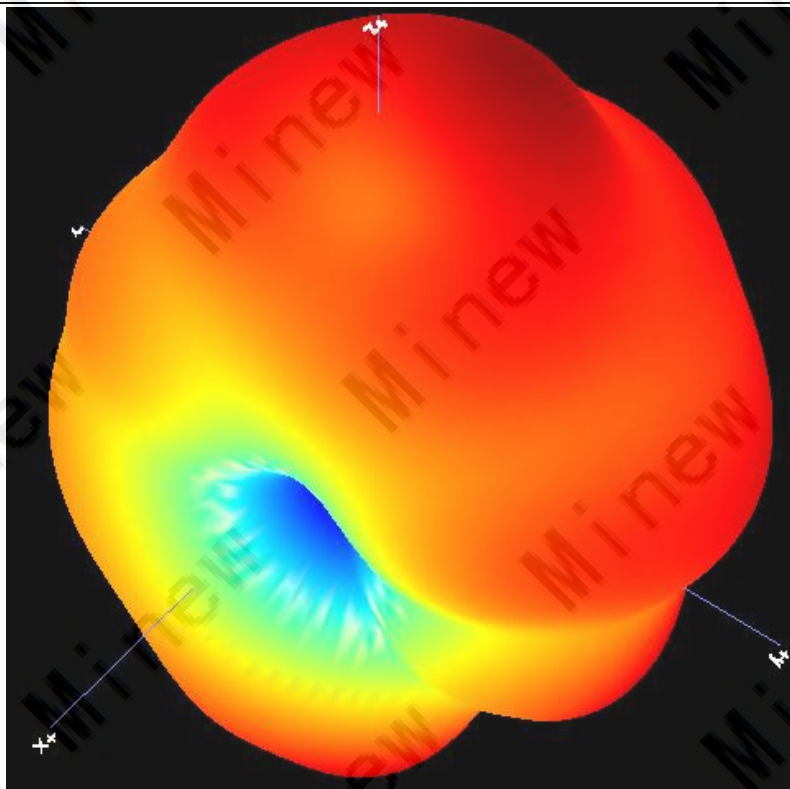
3.3 3D Polar Plot



2402MHz



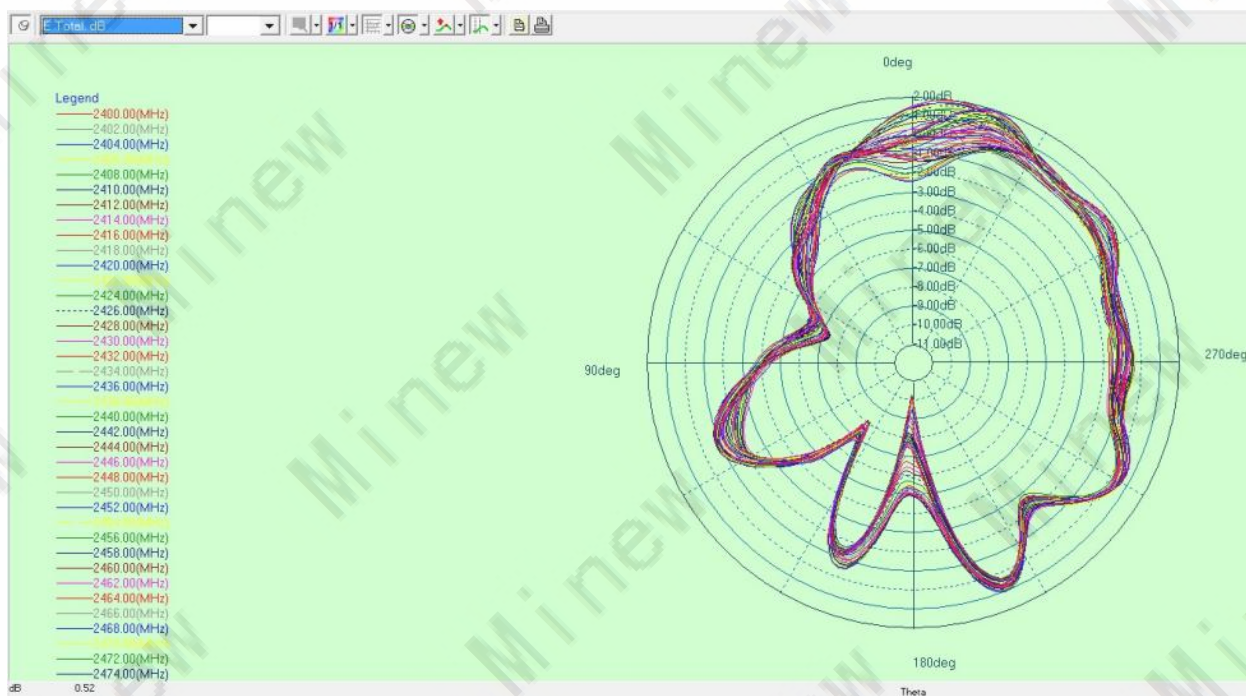
2440MHz



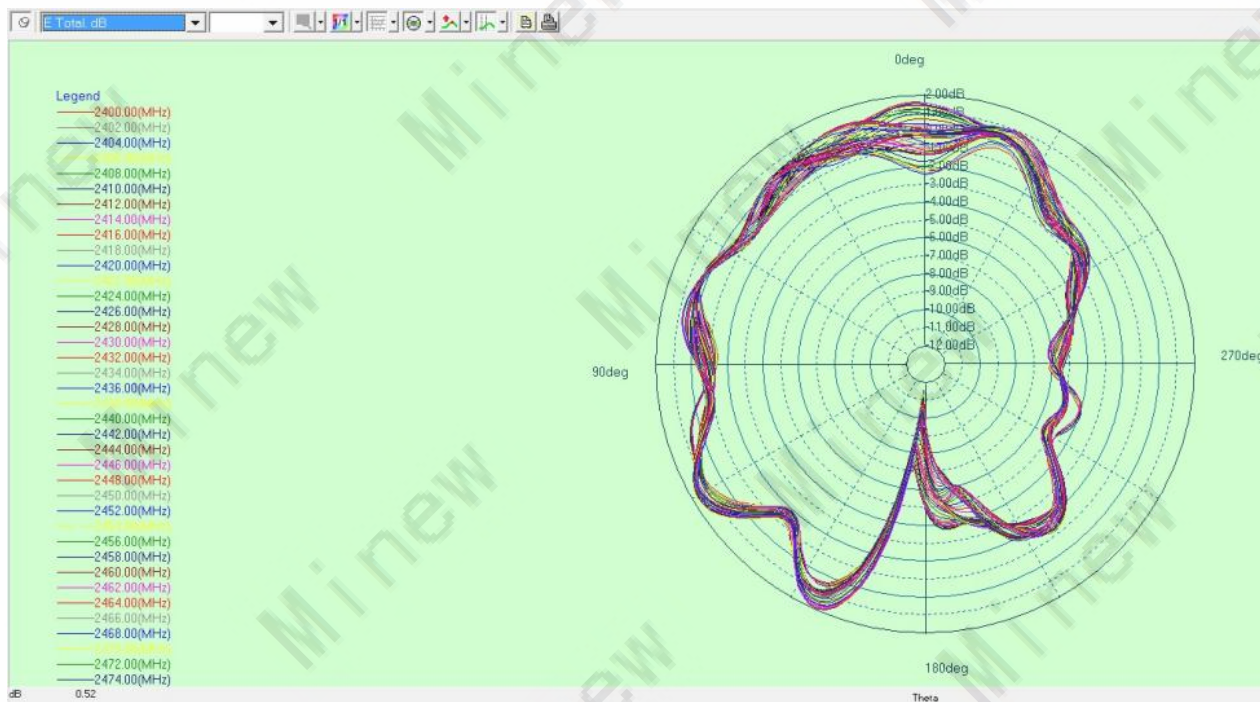
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

