

Antenna Coding: ANT-BBNCNC20008

Antenna Type: PCB onboard Antenna

Model of the DUT: MBS01

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

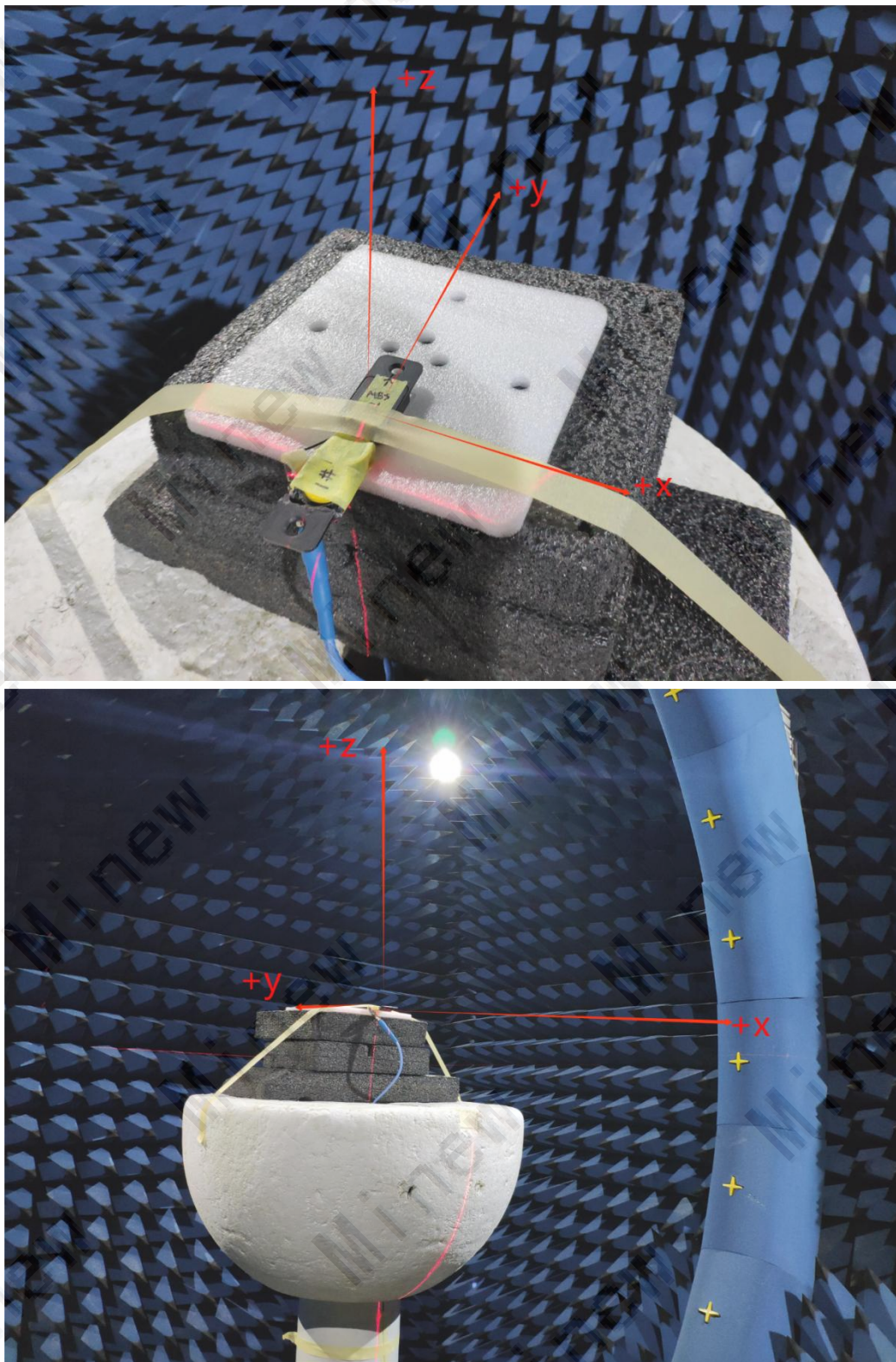
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	3.39
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	16.5*5.99
Radiator	Cuprum

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

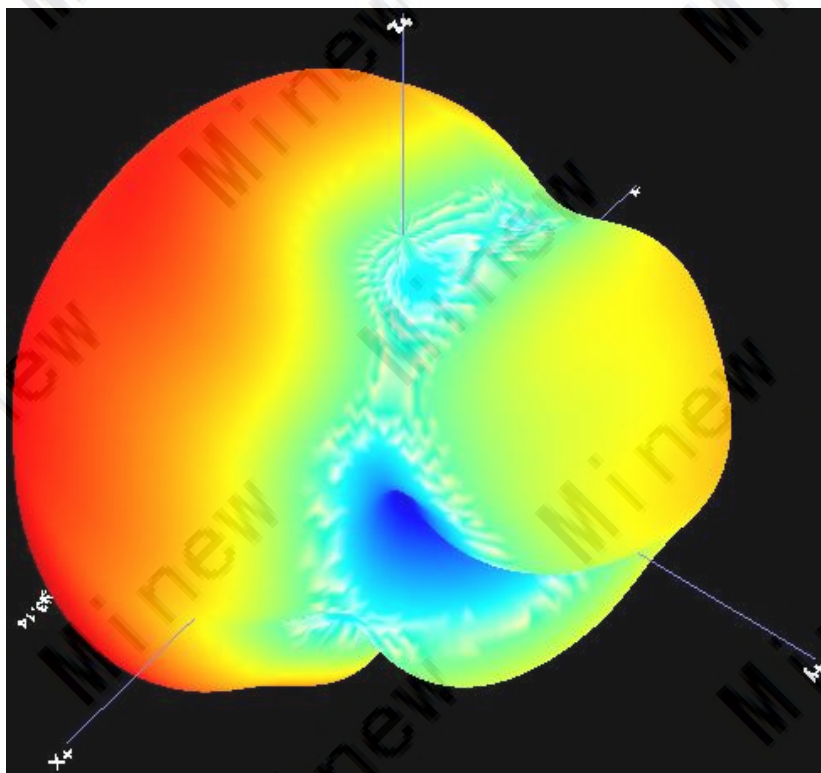
V001

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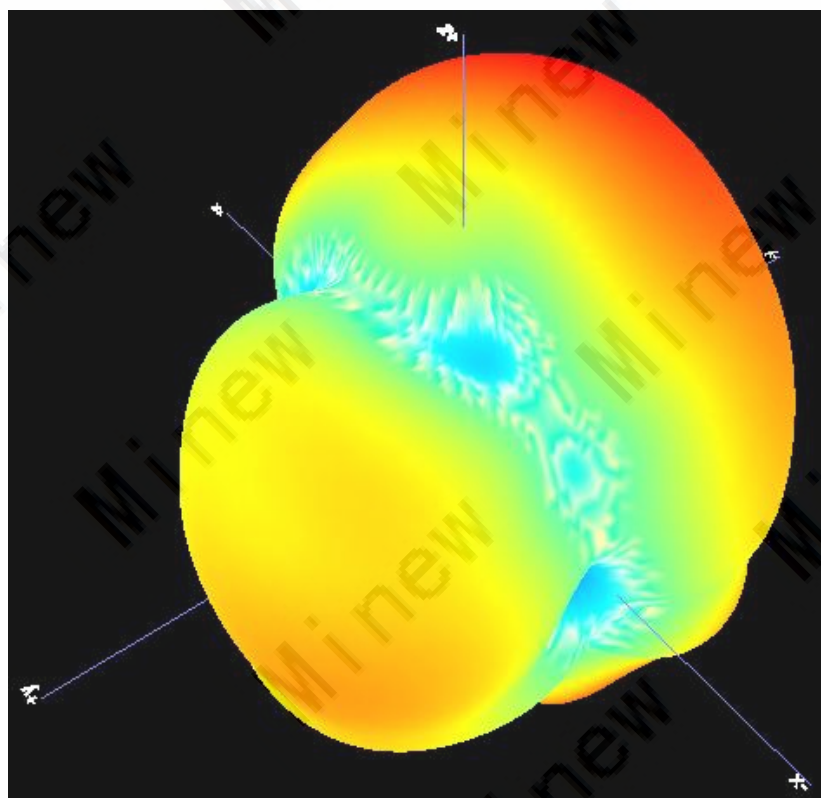
3.2 Gain and Efficiency

EUT型号 备注	MBS01 1#		
Frequency	Gain (dBi)	Efficiency(%)	Peak Gain
2400MHz	3.18	47%	3.39
2402MHz	3.14	47%	
2404MHz	3.06	46%	
2406MHz	2.94	45%	
2408MHz	2.86	44%	
2410MHz	2.80	44%	
2412MHz	2.72	43%	
2414MHz	2.66	42%	
2416MHz	2.71	42%	
2418MHz	2.72	42%	
2420MHz	2.71	42%	
2422MHz	2.74	43%	
2424MHz	2.82	44%	
2426MHz	3.06	45%	
2428MHz	3.11	46%	
2430MHz	3.18	46%	
2432MHz	3.25	47%	
2434MHz	3.31	47%	
2436MHz	3.28	47%	
2438MHz	3.25	47%	
2440MHz	3.25	46%	
2442MHz	3.22	46%	
2444MHz	3.16	45%	
2446MHz	3.16	45%	
2448MHz	3.13	44%	
2450MHz	3.12	44%	
2452MHz	3.10	44%	
2454MHz	3.07	44%	
2456MHz	3.13	44%	
2458MHz	3.19	44%	
2460MHz	3.23	45%	
2462MHz	3.27	45%	
2464MHz	3.33	46%	
2466MHz	3.35	47%	
2468MHz	3.37	47%	
2470MHz	3.37	47%	
2472MHz	3.37	47%	
2474MHz	3.39	47%	
2476MHz	3.37	47%	
2478MHz	3.30	47%	
2480MHz	3.25	46%	

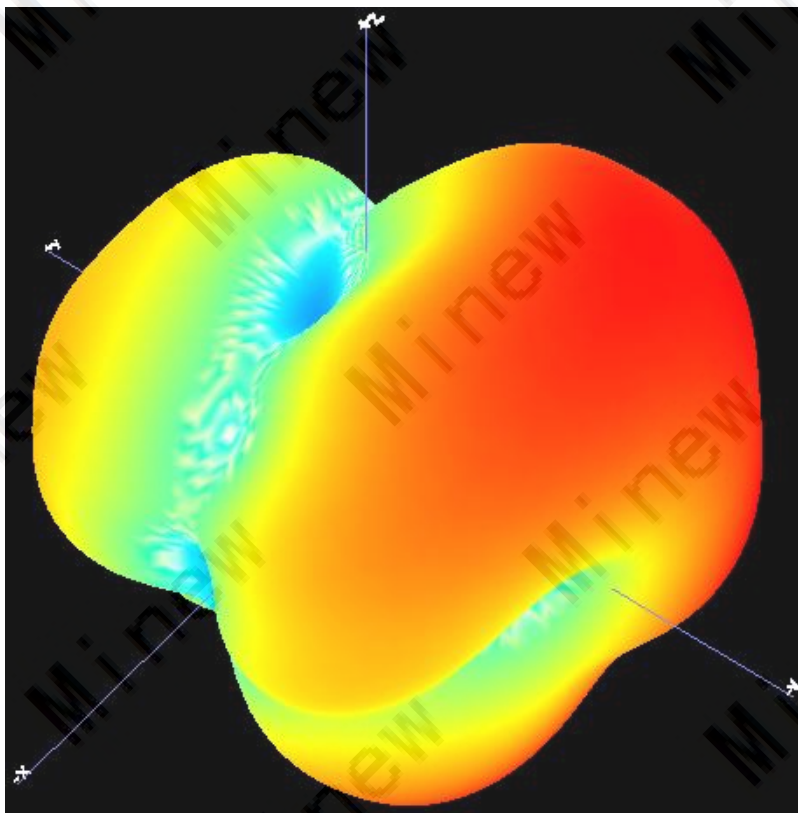
3.3 3D Polar Plot



2402MHz



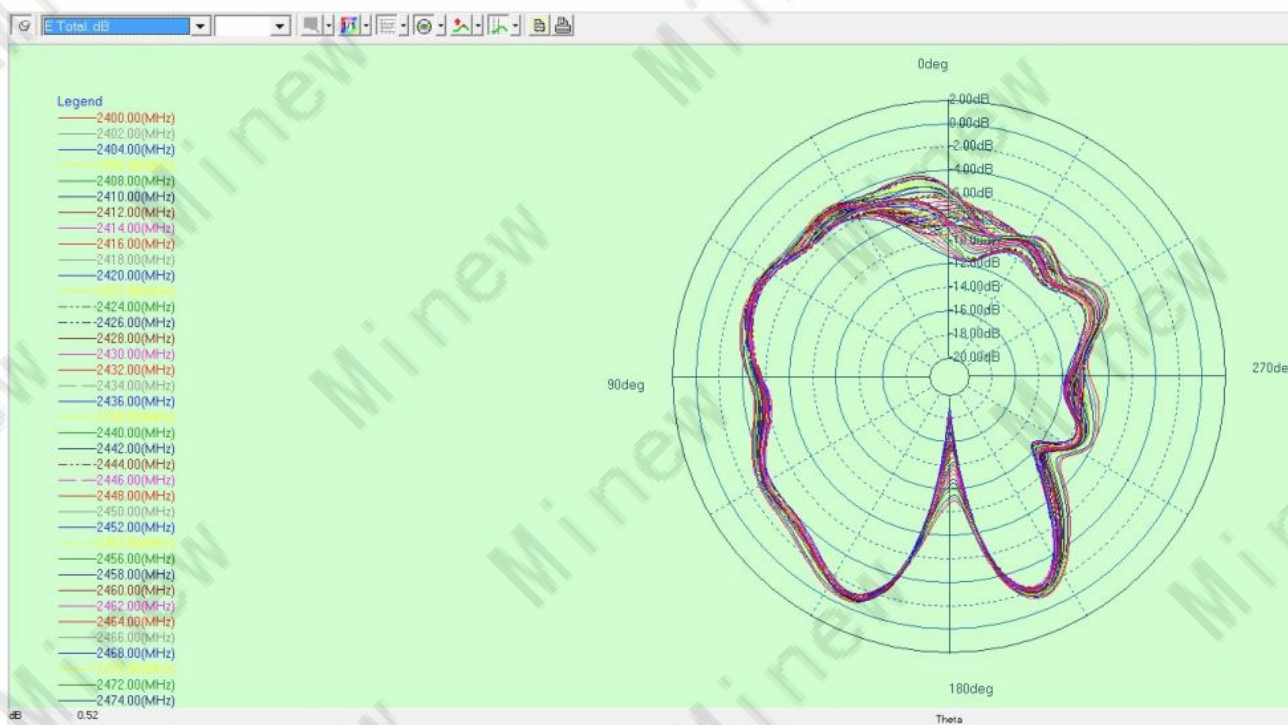
2440MHz



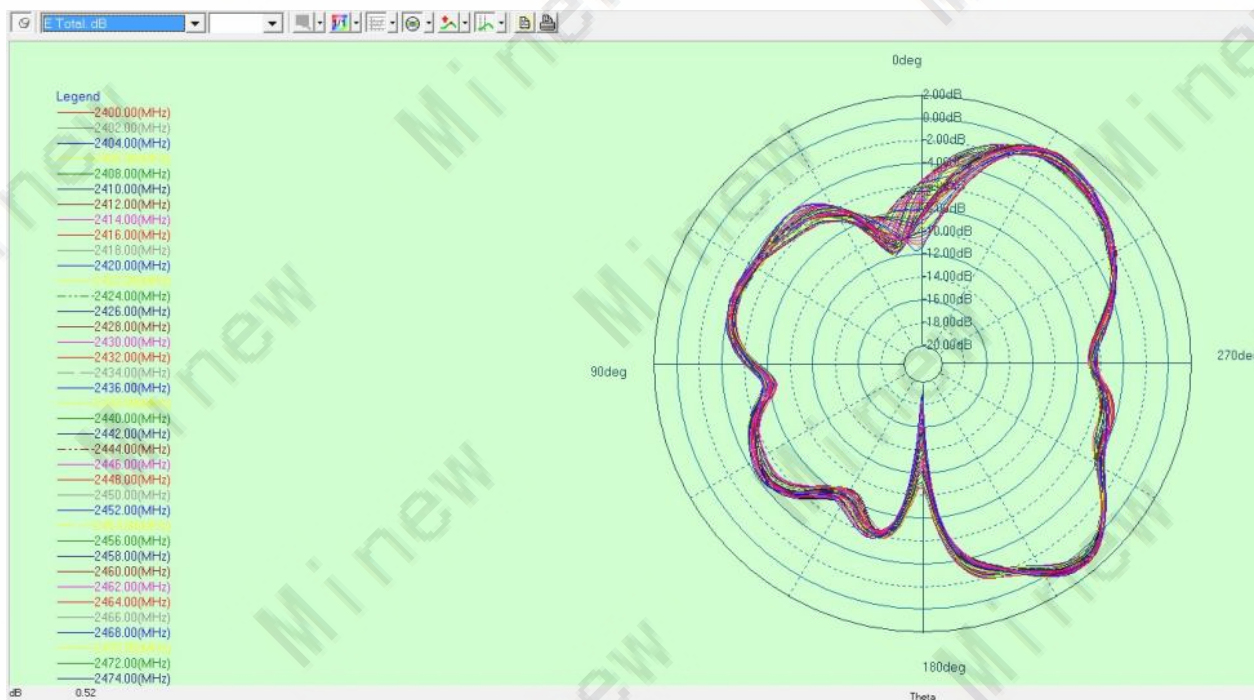
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

