

Antenna Coding: ANT-BBNCNC20002

Antenna Type: PCB onboard Antenna

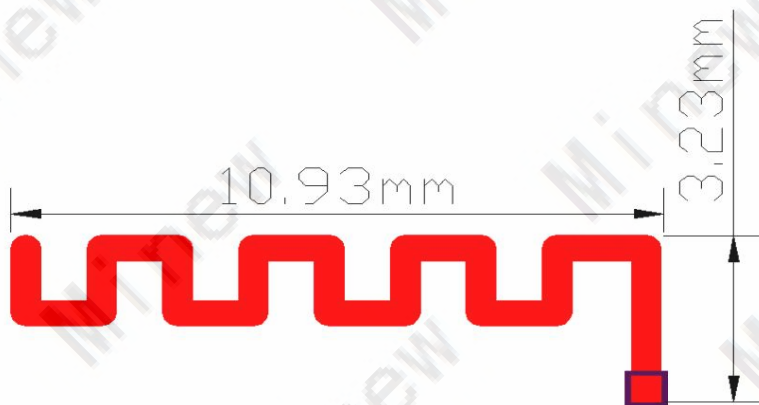
Model of the DUT: BRR0

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

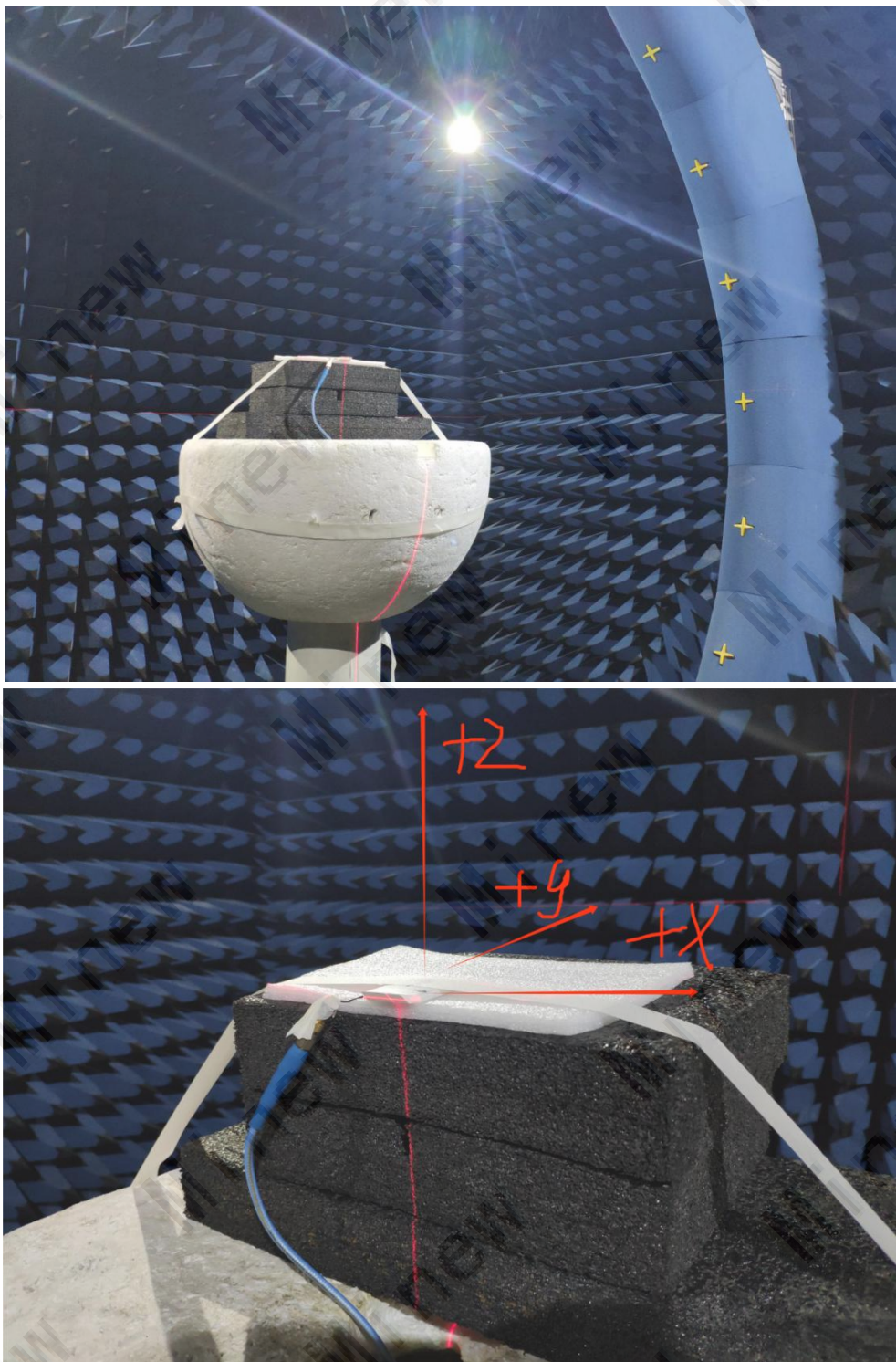
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-0.23
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	10.93*3.23
Radiator	Cuprum

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

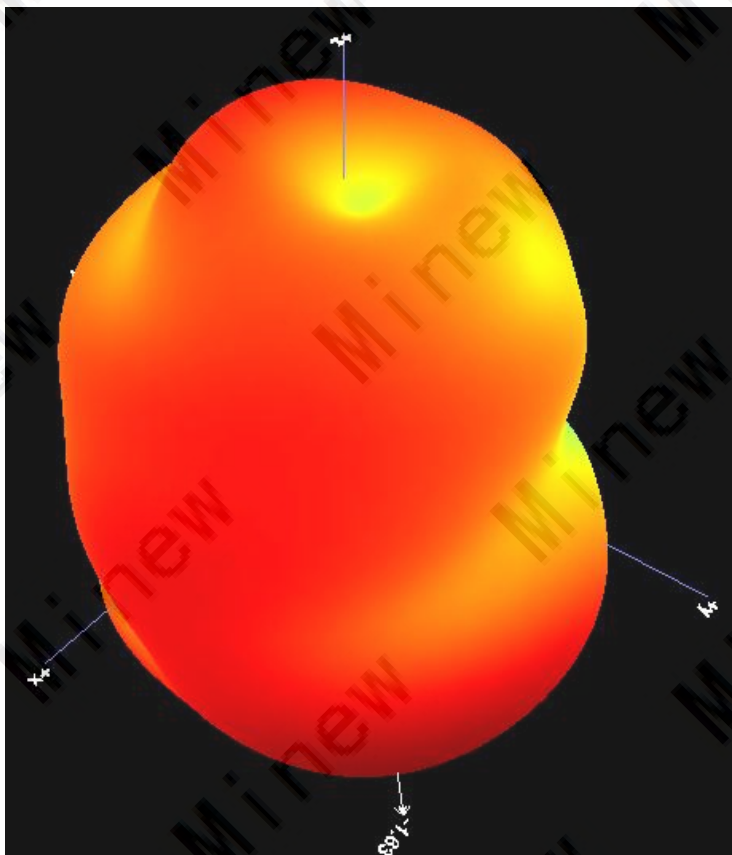
V001

密级: 绝密 /confidentiality

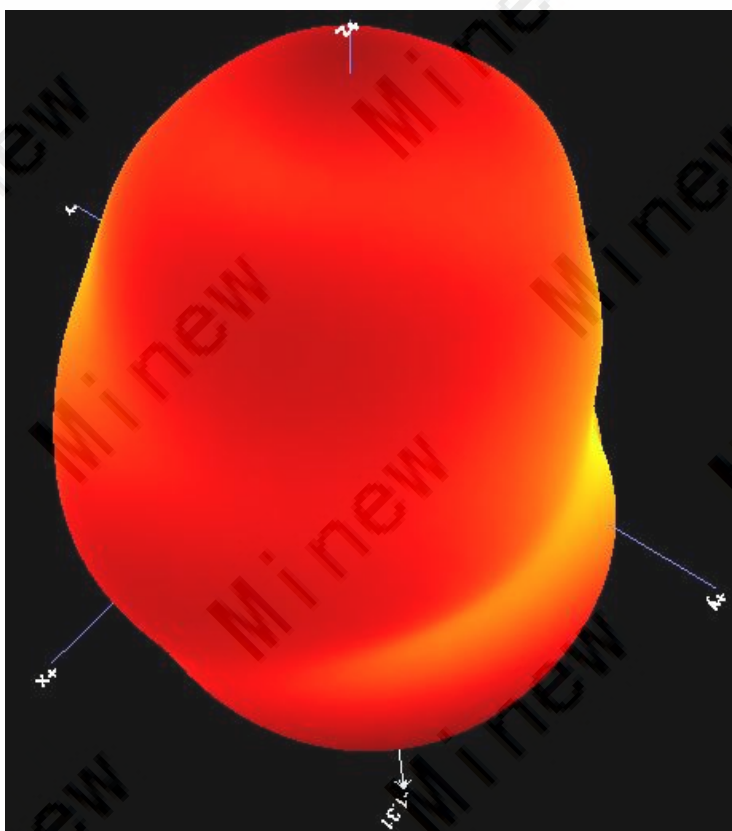
3.2 Gain and Efficiency

EUT型号	1#-DBT02		
备注			
Frequency	Gain (dBi)	Efficiency ()	Peak Gain
2400MHz	-1.69	27%	-0.23365
2402MHz	-1.63	27%	
2404MHz	-1.60	28%	
2406MHz	-1.59	28%	
2408MHz	-1.60	28%	
2410MHz	-1.62	28%	
2412MHz	-1.65	28%	
2414MHz	-1.72	28%	
2416MHz	-1.77	28%	
2418MHz	-1.85	27%	
2420MHz	-1.92	27%	
2422MHz	-1.96	27%	
2424MHz	-1.98	27%	
2426MHz	-1.94	27%	
2428MHz	-1.92	28%	
2430MHz	-1.90	28%	
2432MHz	-1.85	28%	
2434MHz	-1.76	29%	
2436MHz	-1.55	30%	
2438MHz	-1.43	30%	
2440MHz	-1.31	31%	
2442MHz	-1.18	32%	
2444MHz	-1.06	32%	
2446MHz	-0.84	33%	
2448MHz	-0.77	33%	
2450MHz	-0.71	33%	
2452MHz	-0.67	33%	
2454MHz	-0.65	33%	
2456MHz	-0.57	33%	
2458MHz	-0.57	33%	
2460MHz	-0.56	33%	
2462MHz	-0.54	33%	
2464MHz	-0.52	33%	
2466MHz	-0.59	33%	
2468MHz	-0.56	33%	
2470MHz	-0.51	33%	
2472MHz	-0.46	34%	
2474MHz	-0.38	34%	
2476MHz	-0.43	35%	
2478MHz	-0.33	36%	
2480MHz	-0.23	36%	

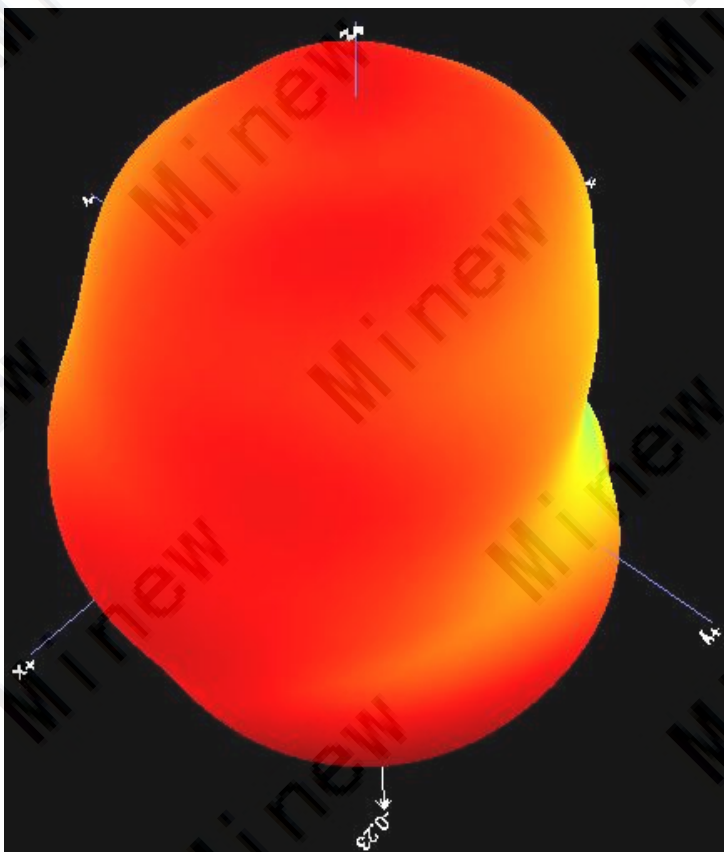
3.3 3D Polar Plot



2402MHz



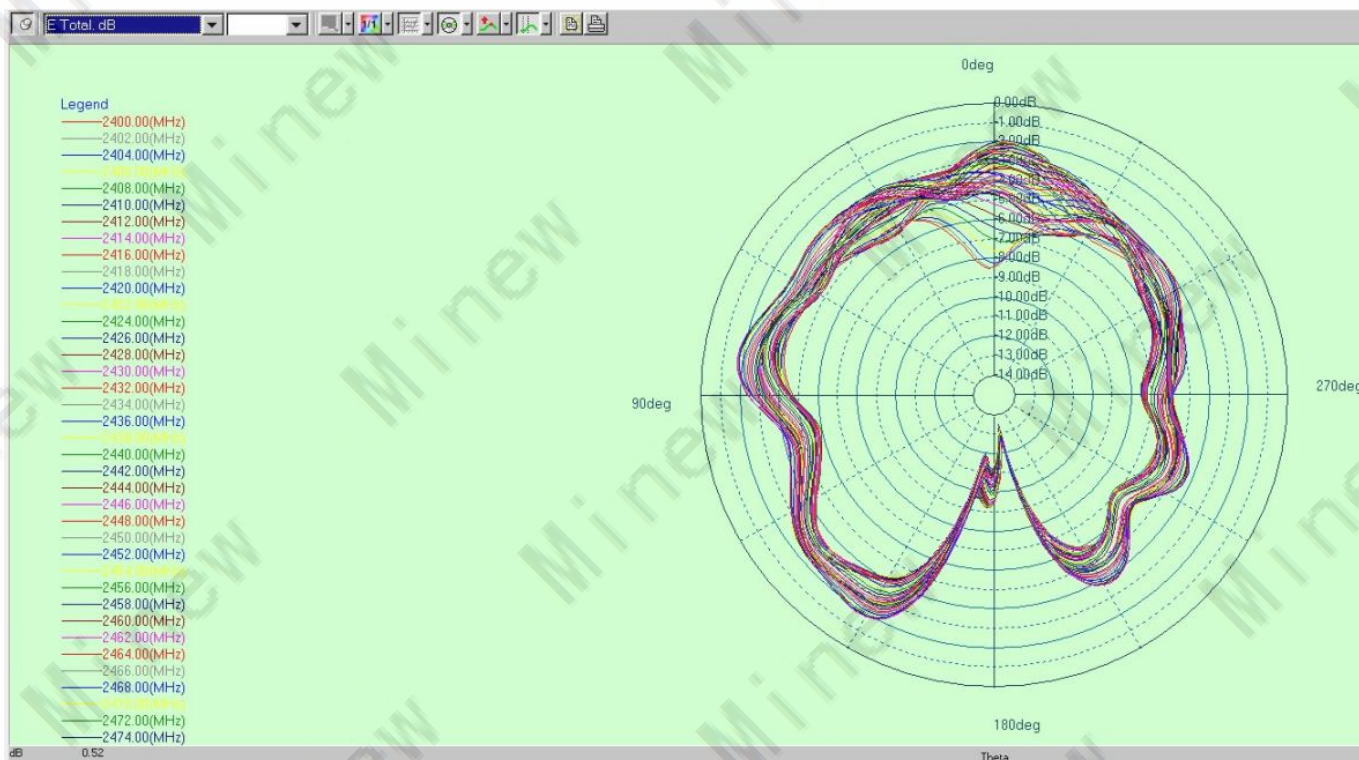
2440MHz



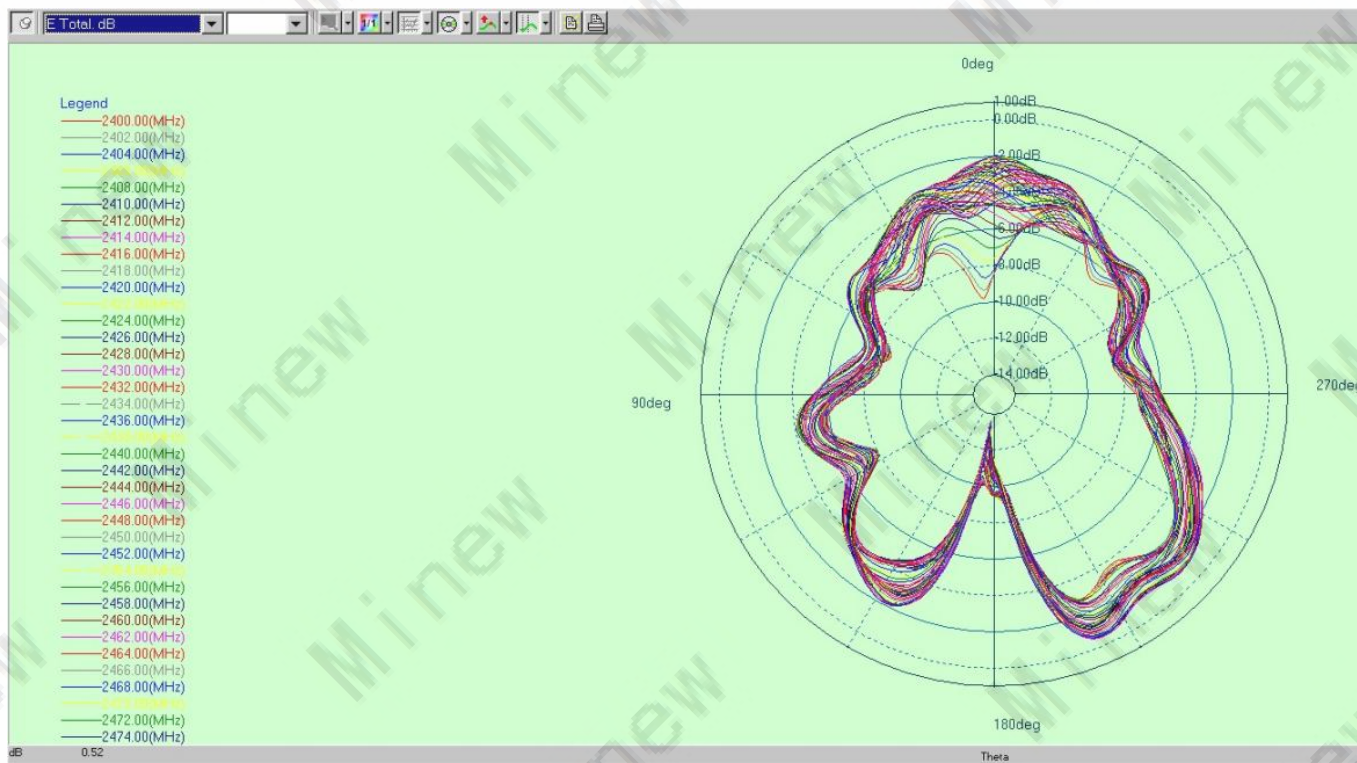
2480MHz

3.4 2D Radiation Pattern

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



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



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

