

Antenna Coding: ANT-BBNCNC20004

Antenna Type: PCB onboard Antenna

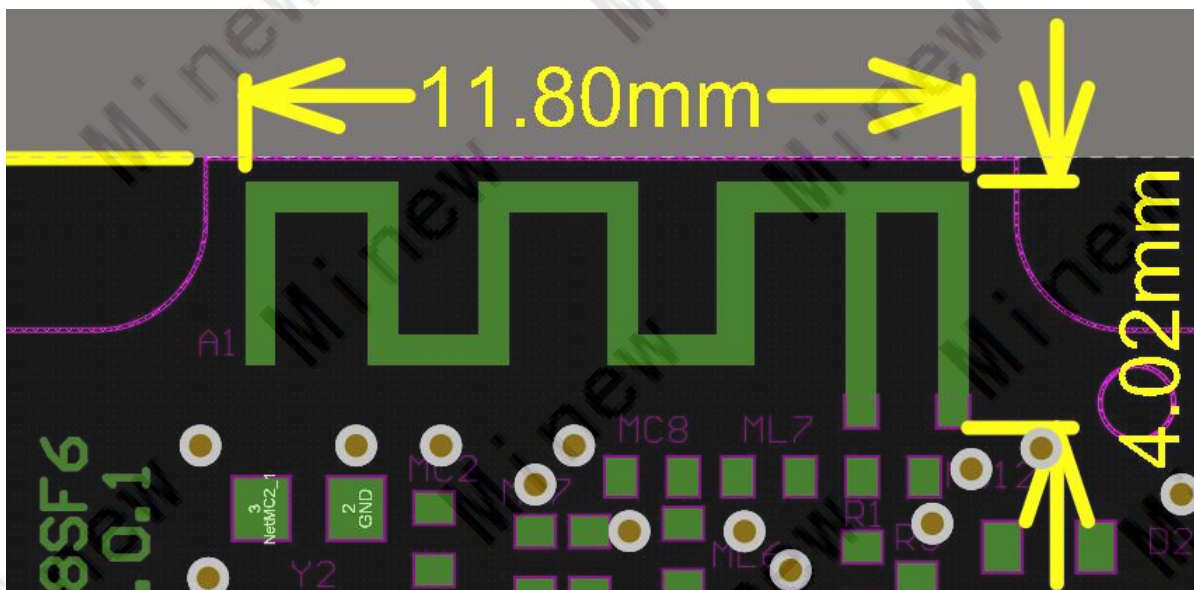
Model of the DUT: S2

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

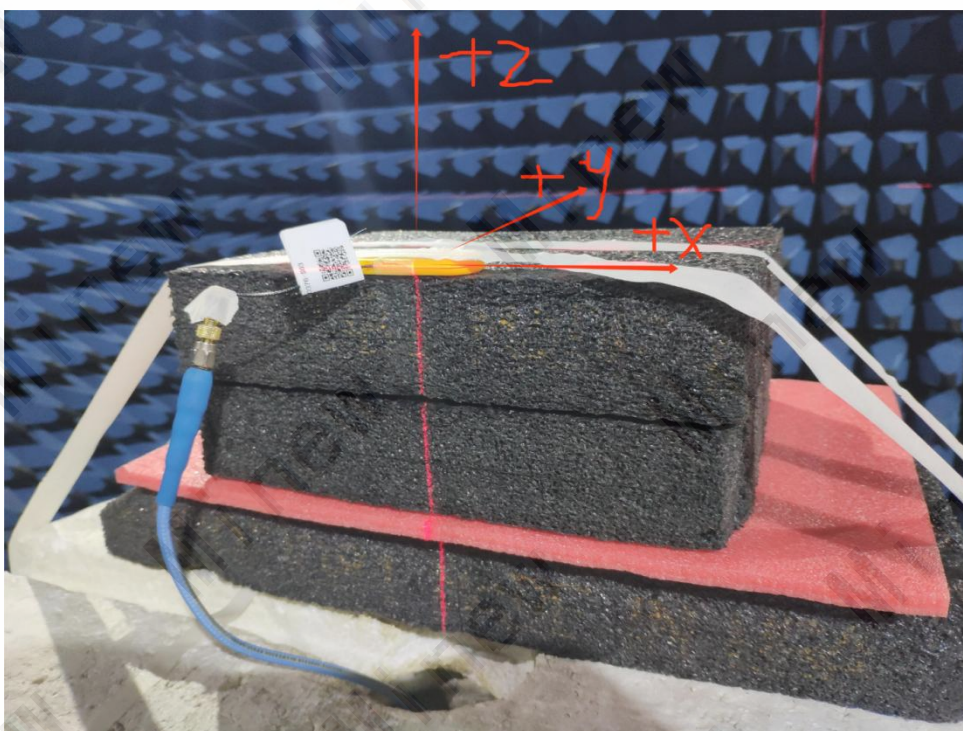
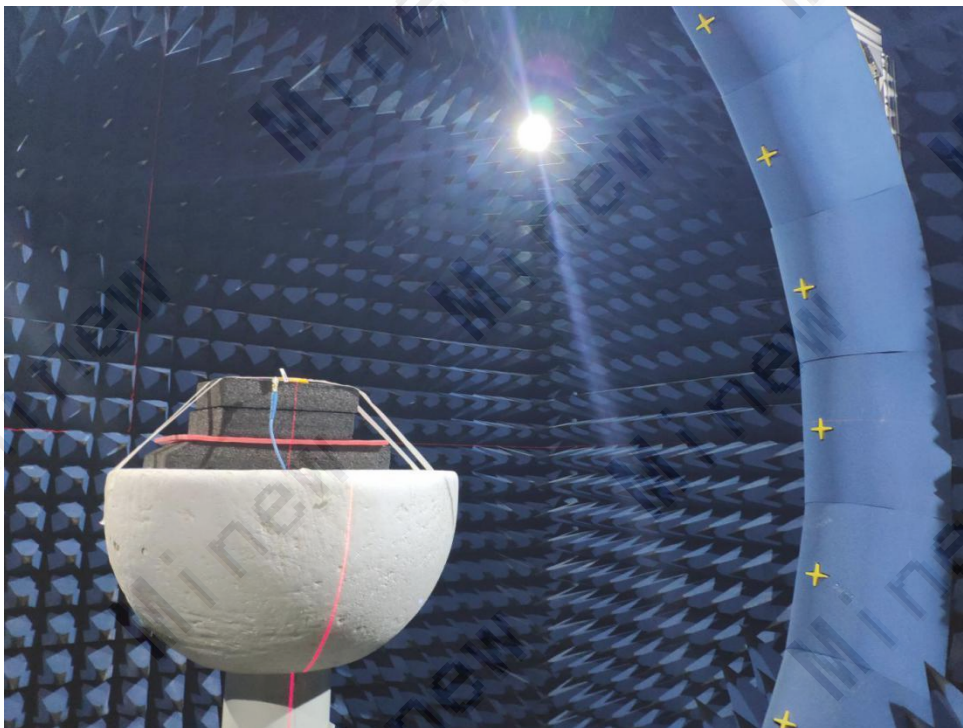
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-3.75
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	11.8*4.02
Radiator	Cuprum

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

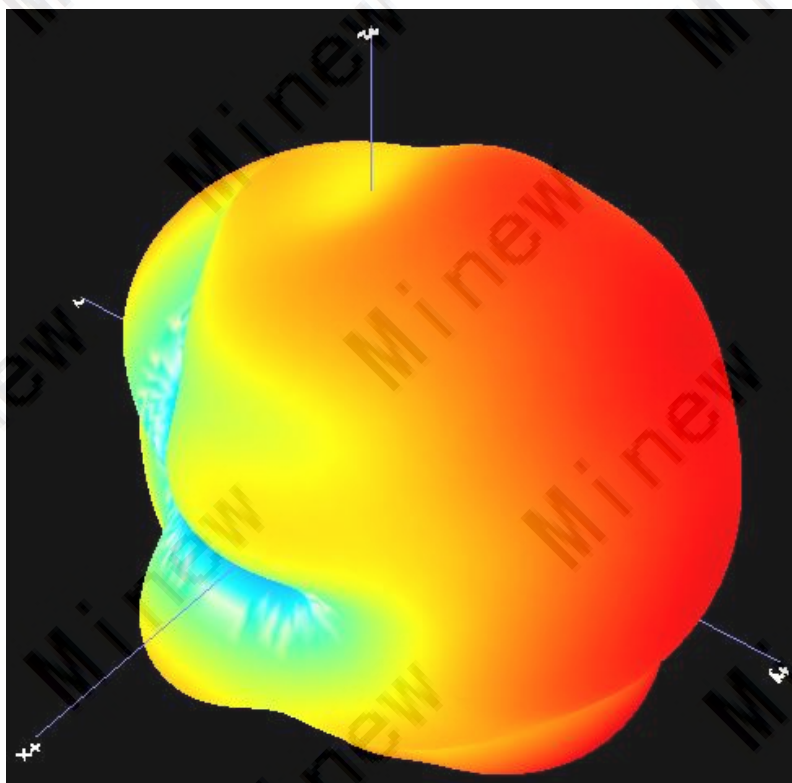
V001

密级: 绝密 /confidentiality

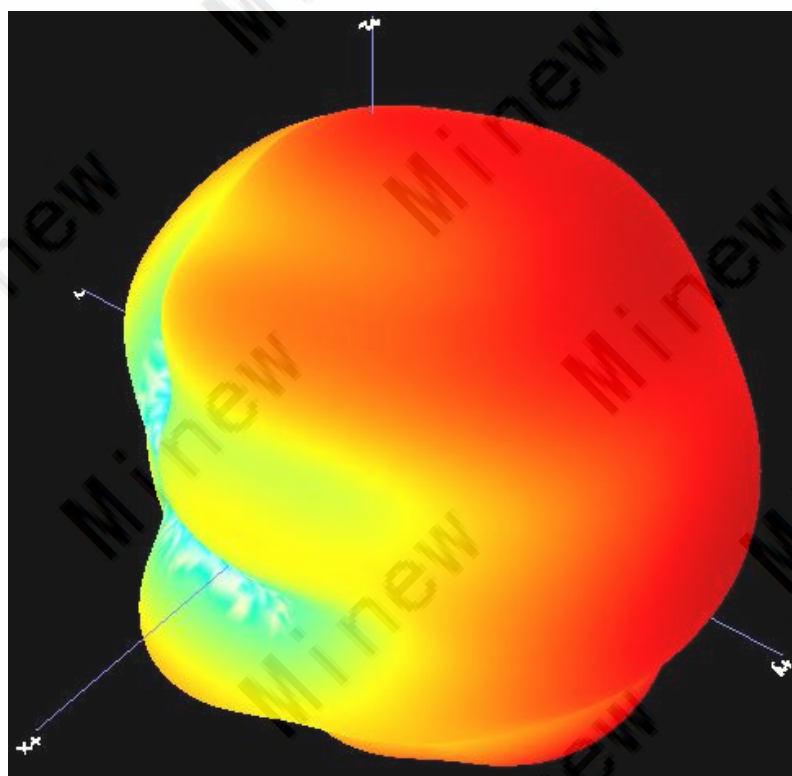
3.2 Gain and Efficiency

EUT型号	3#-S2		
备注	2#		
Frequency	Gain (dBi)	Efficiency(%)	PeakGain (dBi)
2400MHz	-3.71	12%	-3.75
2402MHz	-3.75	12%	
2404MHz	-3.81	12%	
2406MHz	-3.87	11%	
2408MHz	-3.92	11%	
2410MHz	-3.99	11%	
2412MHz	-4.08	11%	
2414MHz	-4.15	11%	
2416MHz	-4.17	11%	
2418MHz	-4.19	11%	
2420MHz	-4.24	11%	
2422MHz	-4.25	11%	
2424MHz	-4.24	11%	
2426MHz	-4.35	11%	
2428MHz	-4.34	11%	
2430MHz	-4.33	11%	
2432MHz	-4.31	11%	
2434MHz	-4.30	11%	
2436MHz	-4.24	11%	
2438MHz	-4.27	11%	
2440MHz	-4.29	11%	
2442MHz	-4.31	11%	
2444MHz	-4.36	10%	
2446MHz	-4.63	10%	
2448MHz	-4.69	10%	
2450MHz	-4.72	10%	
2452MHz	-4.76	10%	
2454MHz	-4.80	10%	
2456MHz	-4.88	10%	
2458MHz	-4.89	10%	
2460MHz	-4.91	10%	
2462MHz	-4.92	10%	
2464MHz	-4.92	10%	
2466MHz	-4.81	10%	
2468MHz	-4.79	10%	
2470MHz	-4.77	10%	
2472MHz	-4.77	10%	
2474MHz	-4.75	10%	
2476MHz	-4.78	10%	
2478MHz	-4.80	10%	
2480MHz	-4.85	9%	

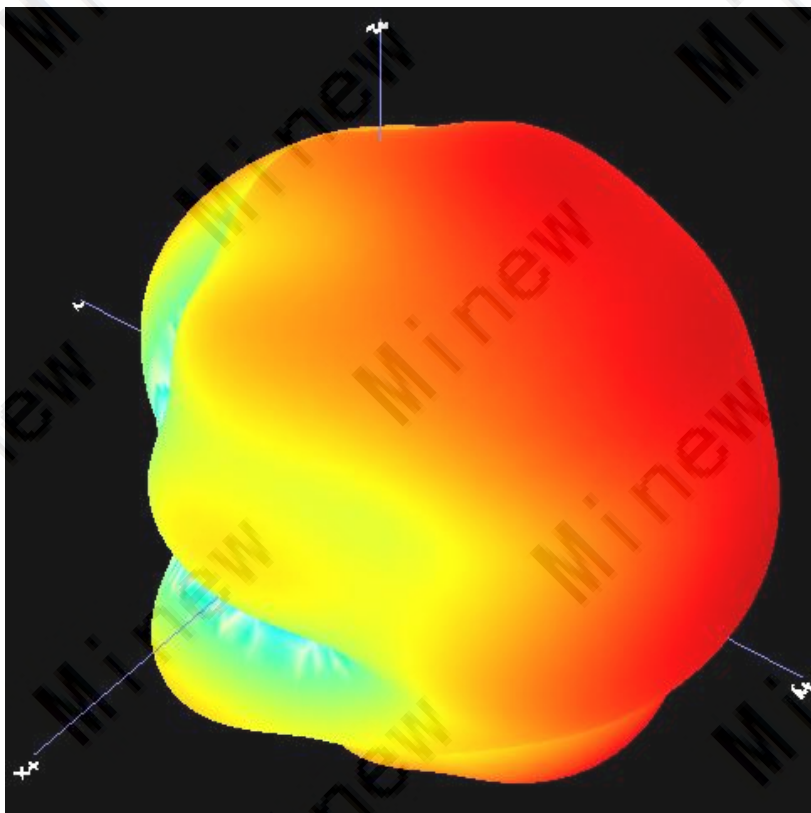
3.3 3D Polar Plot



2402MHz



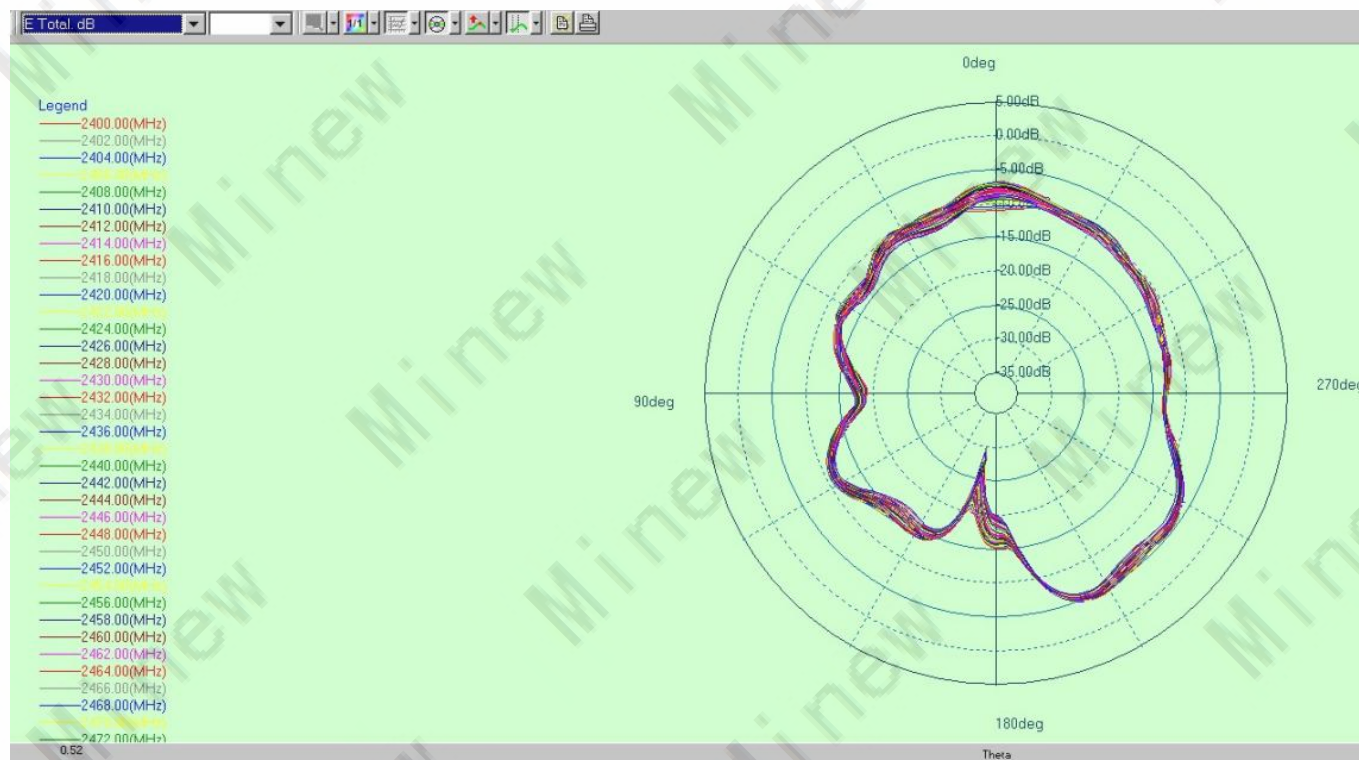
2440MHz



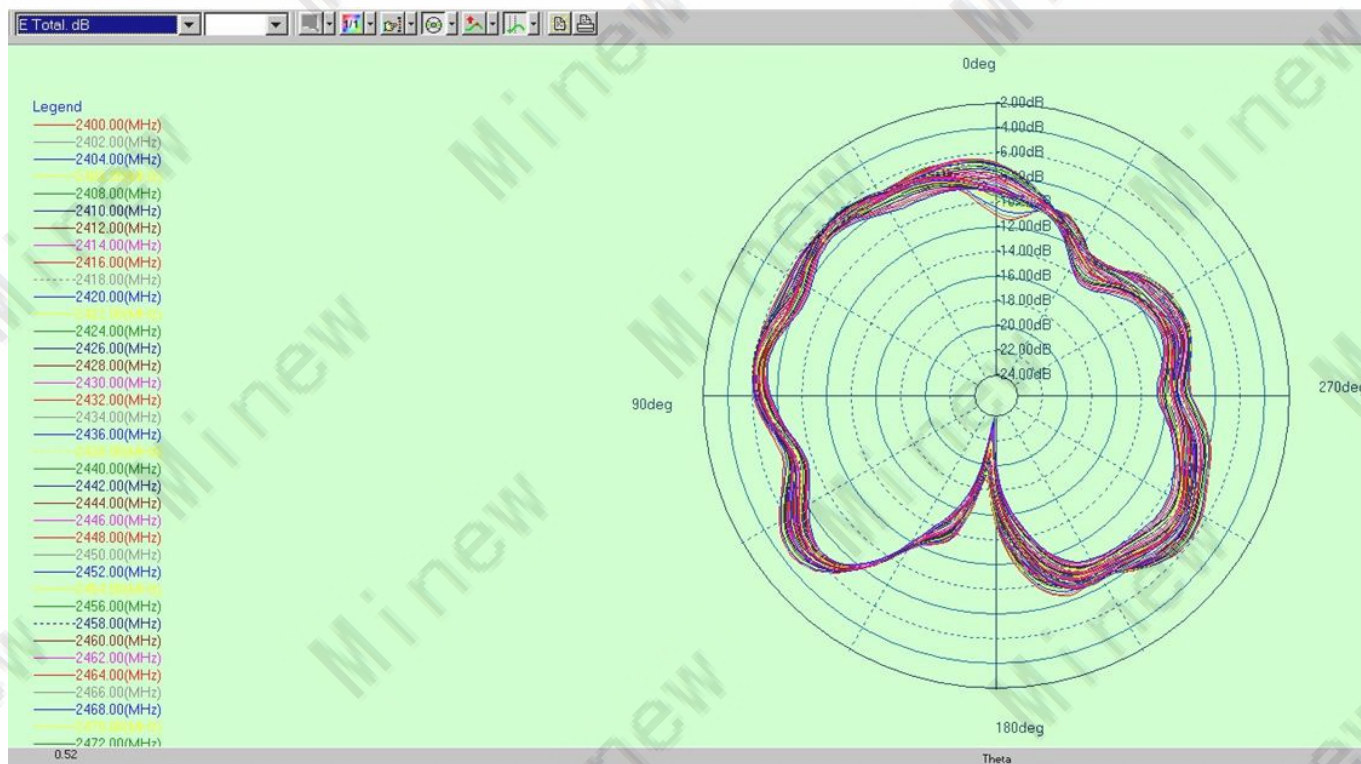
2480MHz

3.4 2D Radiation Pattern

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



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



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

