

Antenna Coding: ANT-BBNCNC22017

Antenna Type: PCB onboard Antenna

Model of the DUT: STag29R

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

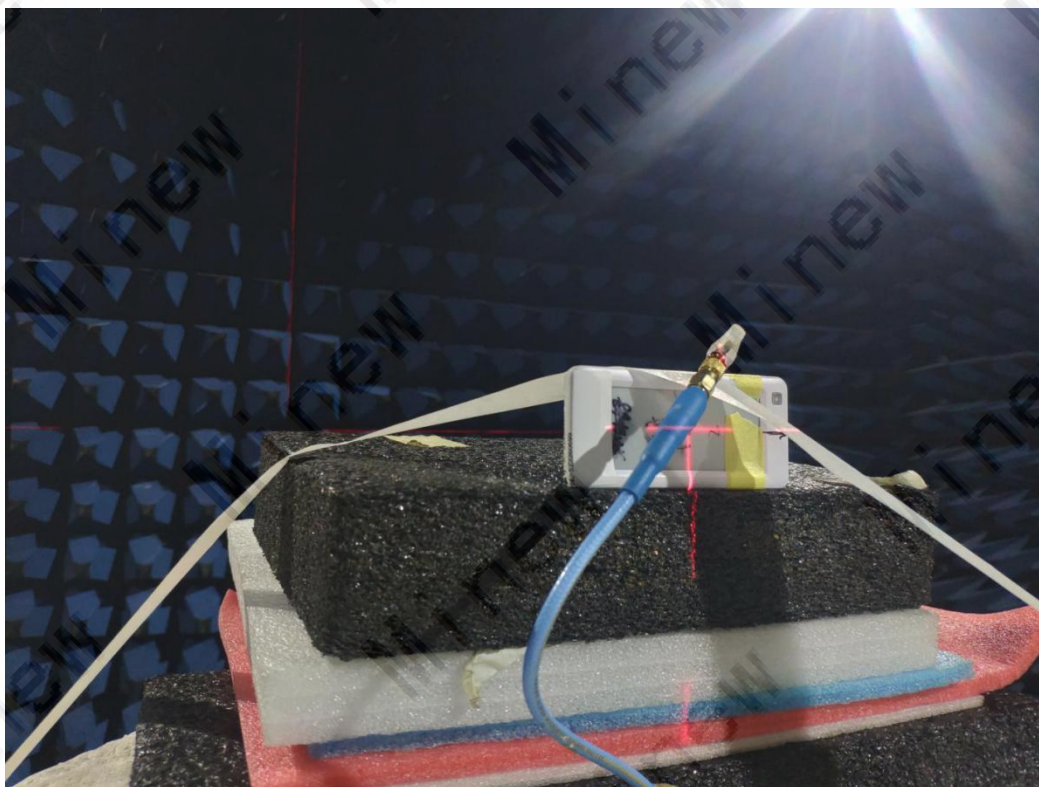
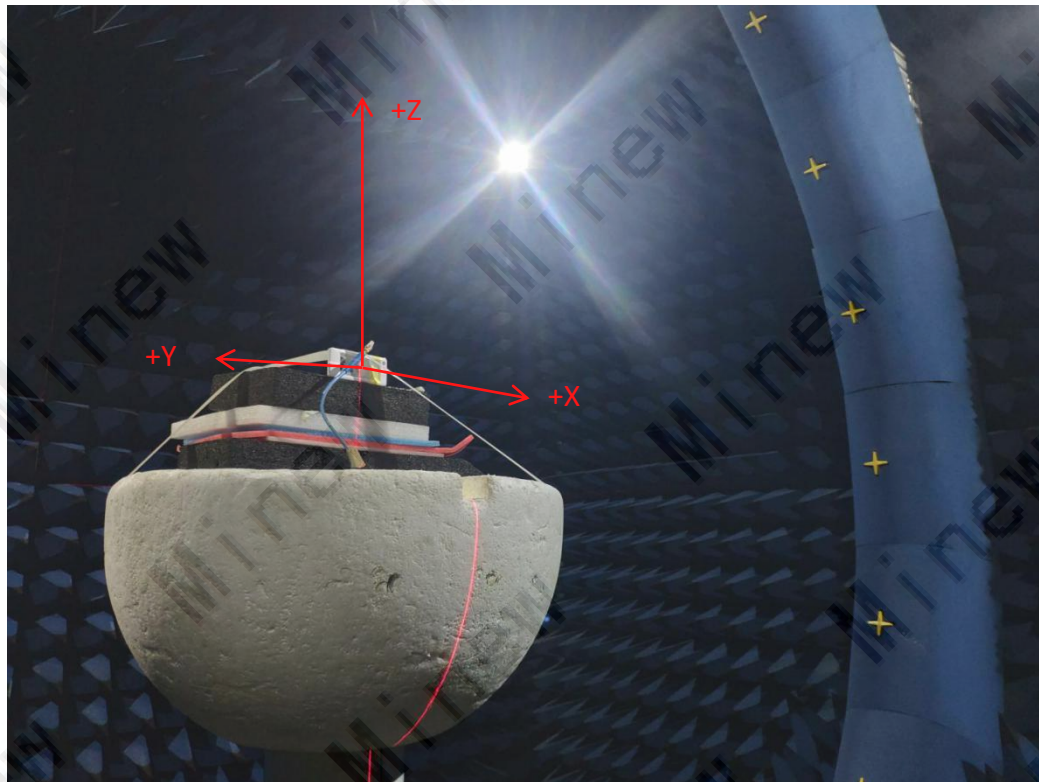
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	1.47
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	20.85*5.326
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

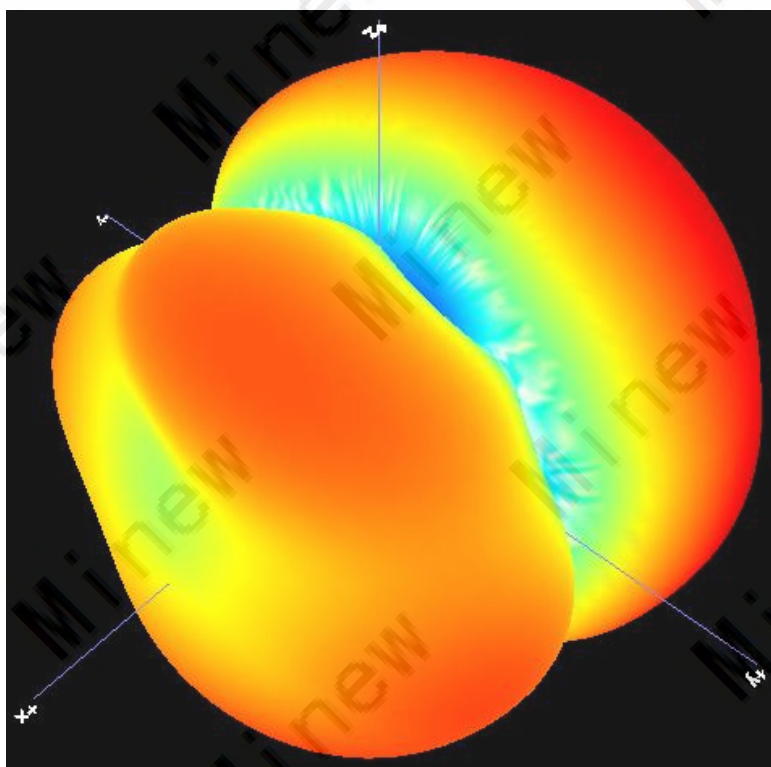




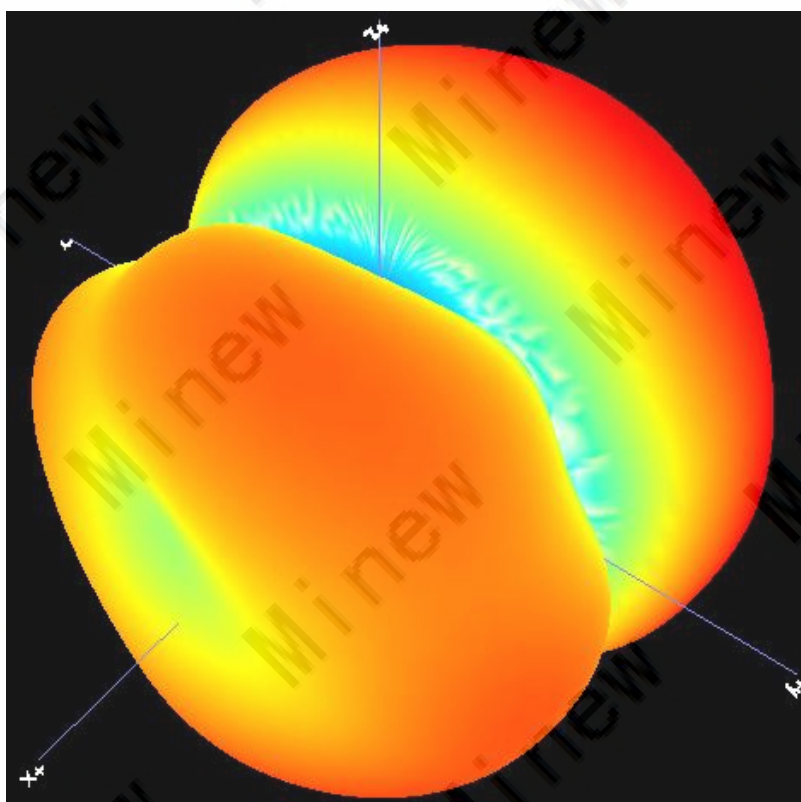
3.2 Gain and Efficiency

EUT型号	2#		Peak Gain (dBi)
备注	Stag29		
Frequency	E Total. dB(dBi)	Efficiency(%)	
2400MHz	1.47	44%	1.47
2402MHz	1.44	44%	
2404MHz	1.41	44%	
2406MHz	1.35	44%	
2408MHz	1.33	44%	
2410MHz	1.31	43%	
2412MHz	1.28	43%	
2414MHz	1.22	42%	
2416MHz	1.28	42%	
2418MHz	1.23	41%	
2420MHz	1.16	40%	
2422MHz	1.13	40%	
2424MHz	1.13	39%	
2426MHz	1.24	39%	
2428MHz	1.21	39%	
2430MHz	1.19	39%	
2432MHz	1.20	39%	
2434MHz	1.22	39%	
2436MHz	1.19	38%	
2438MHz	1.17	38%	
2440MHz	1.18	38%	
2442MHz	1.15	38%	
2444MHz	1.11	38%	
2446MHz	1.18	38%	
2448MHz	1.12	37%	
2450MHz	1.08	37%	
2452MHz	1.02	37%	
2454MHz	0.93	36%	
2456MHz	0.91	36%	
2458MHz	0.83	35%	
2460MHz	0.75	34%	
2462MHz	0.70	34%	
2464MHz	0.67	34%	
2466MHz	0.56	34%	
2468MHz	0.55	33%	
2470MHz	0.54	33%	
2472MHz	0.54	33%	
2474MHz	0.56	33%	
2476MHz	0.48	33%	
2478MHz	0.46	33%	
2480MHz	0.45	33%	

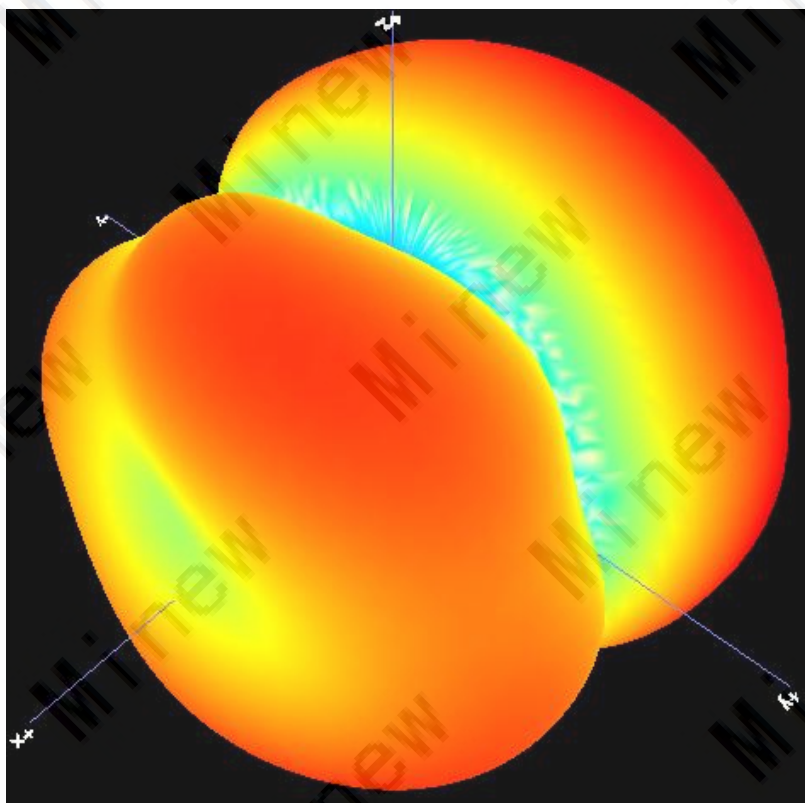
3.3 3D Polar Plot



2402MHz



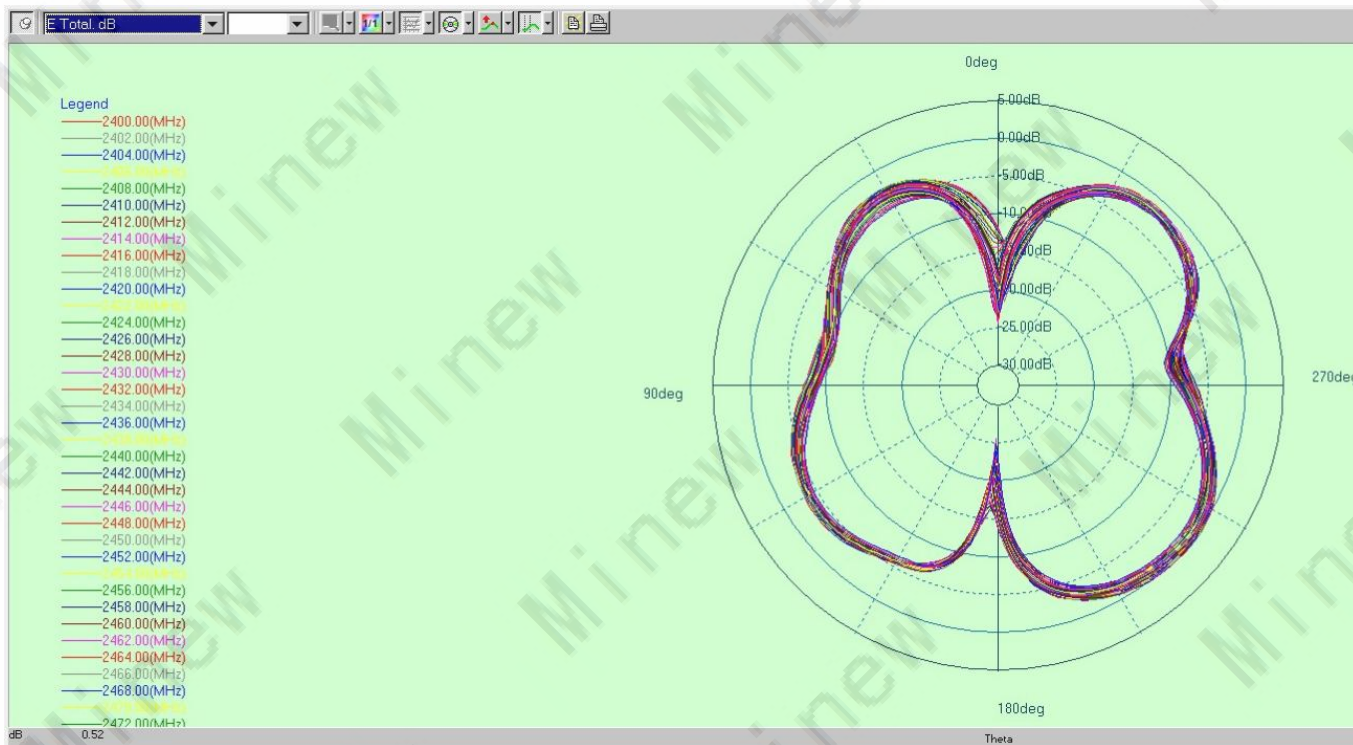
2440MHz



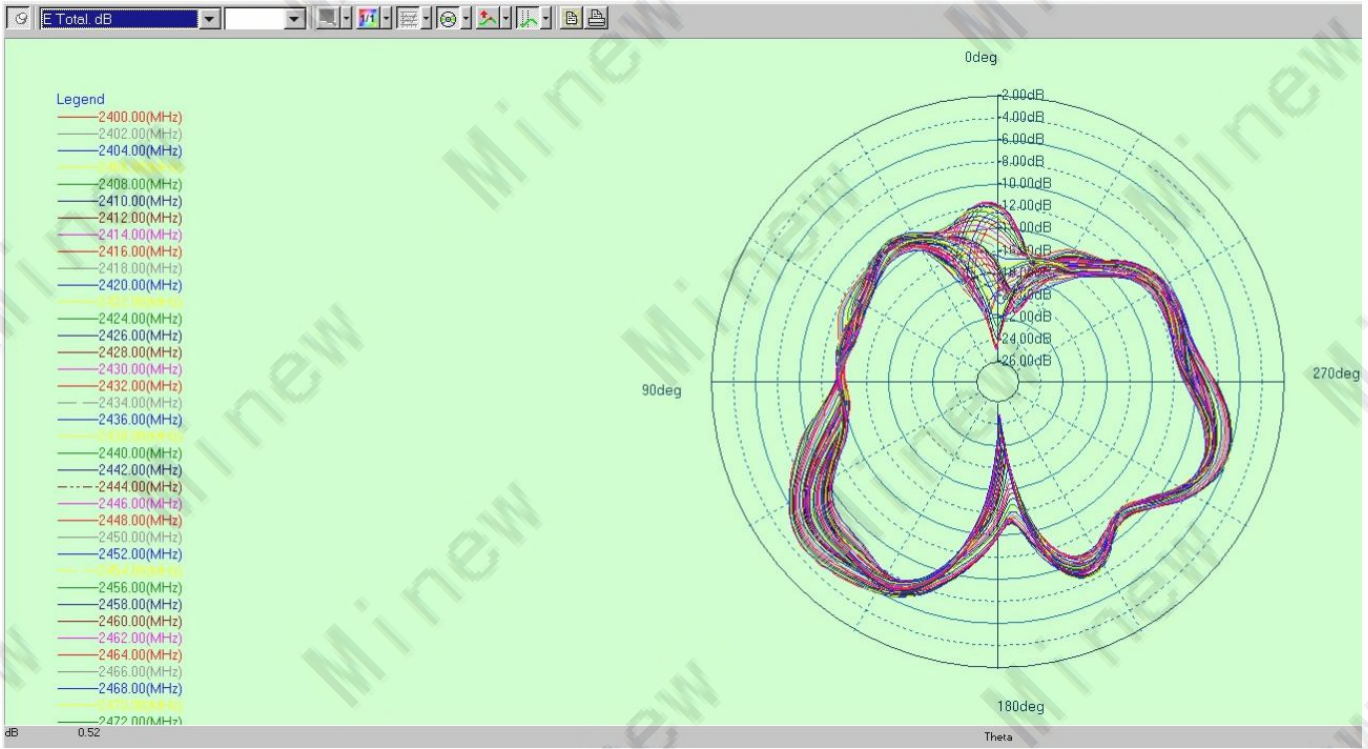
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

