

Antenna Coding: ANT-BBNCNC21011

Antenna Type: PCB onboard Antenna

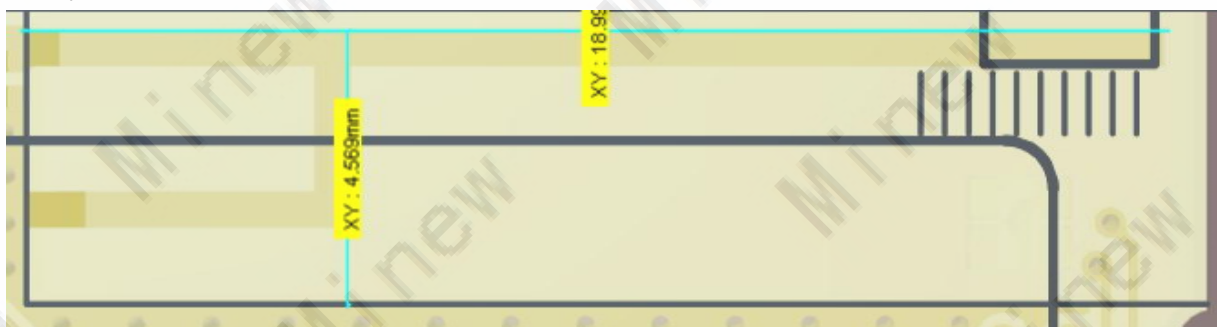
Model of the DUT: DS026

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

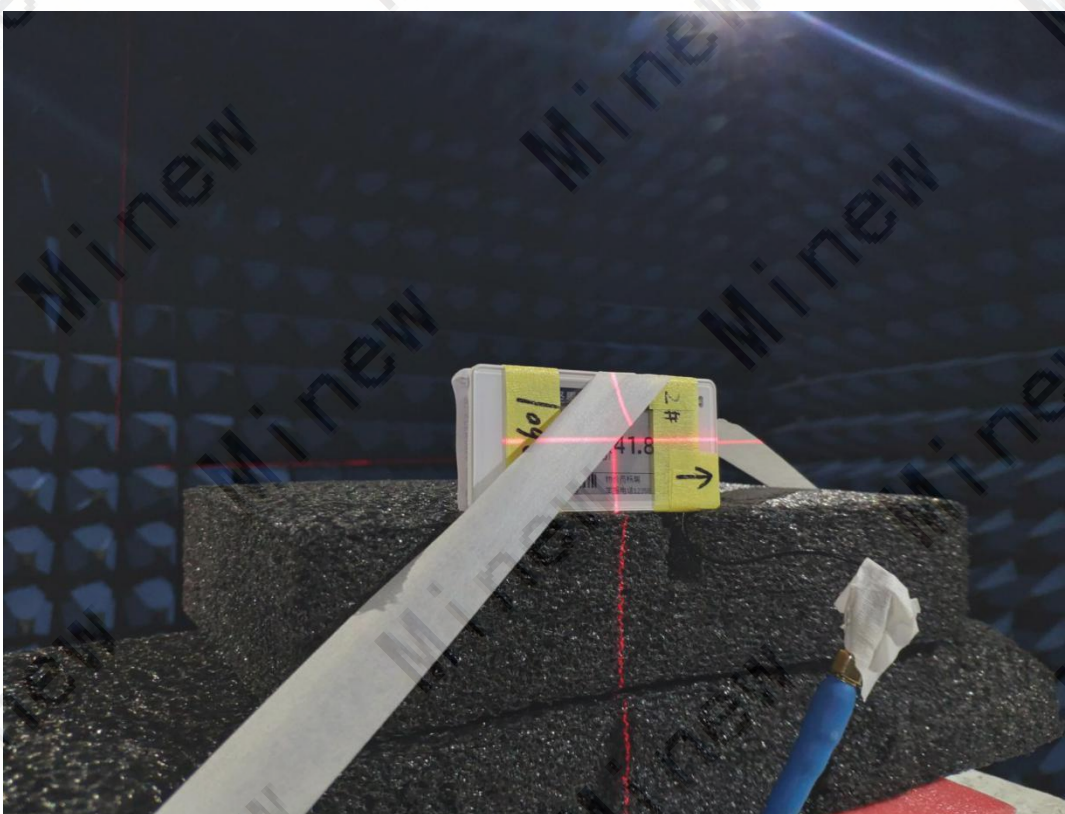
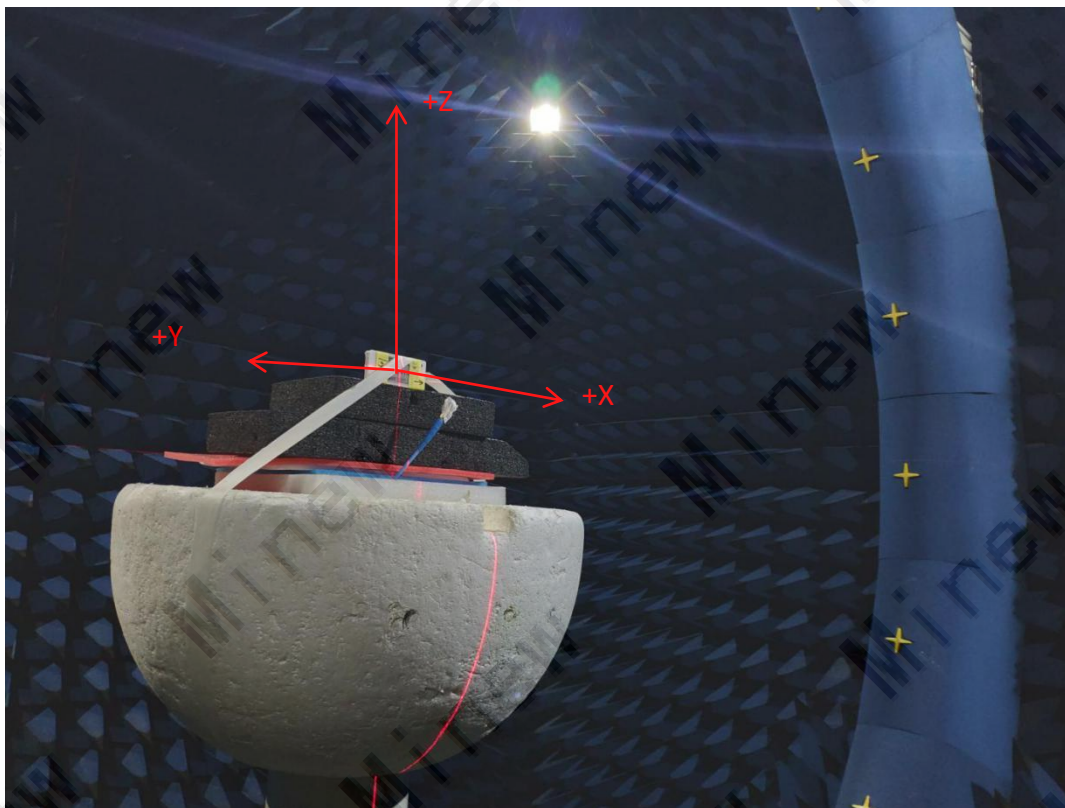
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	2.21
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	18.99*4.569
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

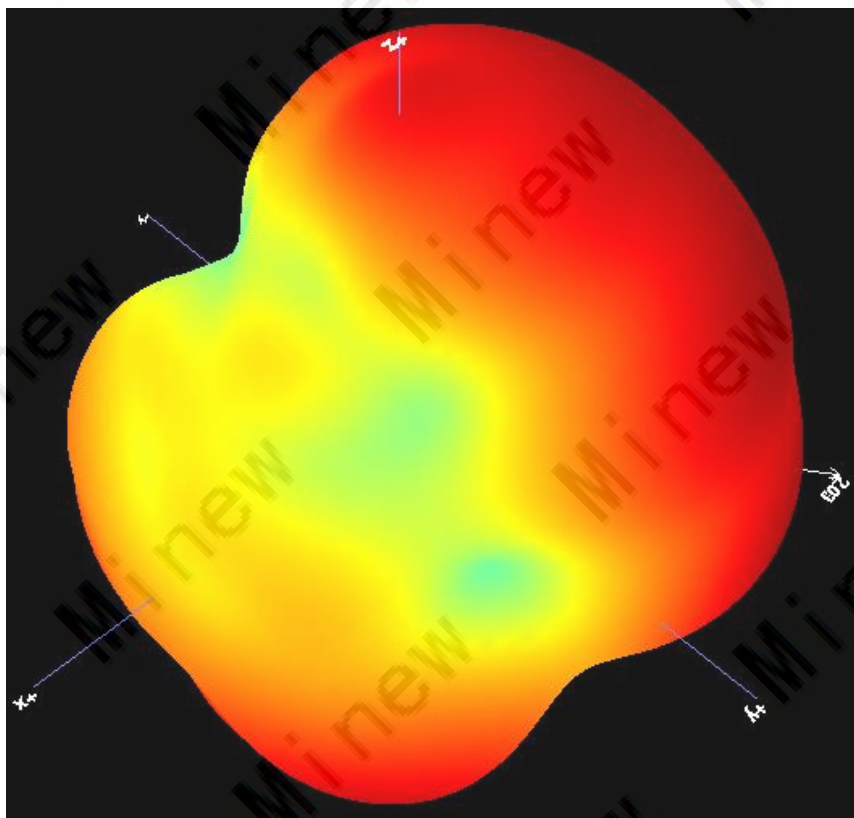




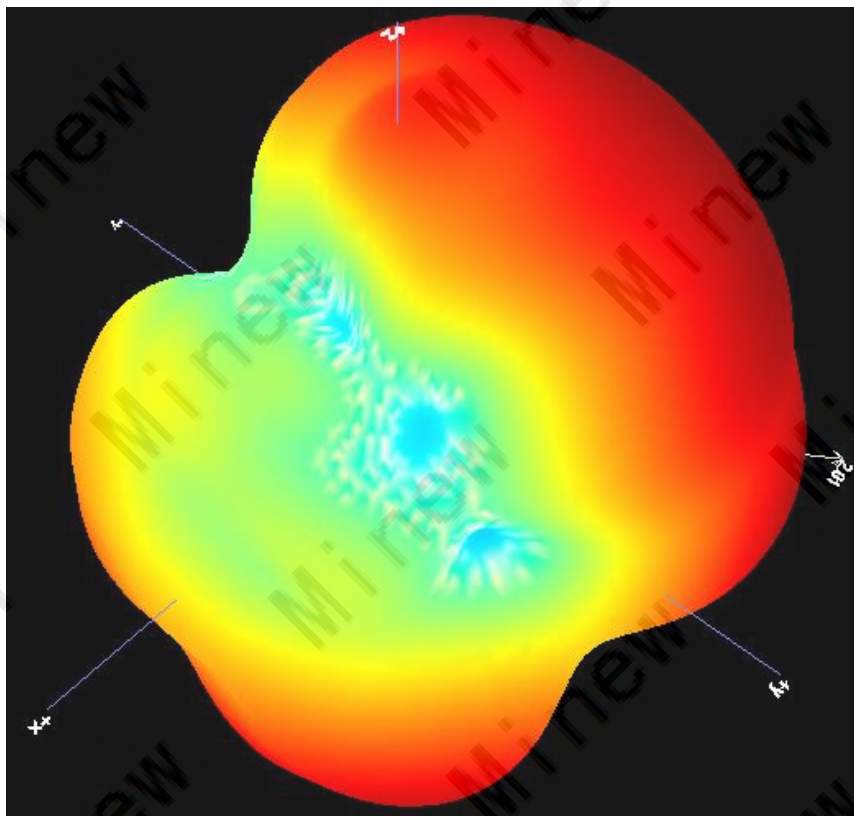
3.2 Gain and Efficiency

EUT型号	2#		
备注			
Frequency	E Total. dB(dBi)	Efficiency(%)	Peak Gain (dBi)
2400MHz	2.03	49%	2.21
2402MHz	2.03	49%	
2404MHz	2.01	49%	
2406MHz	2.00	49%	
2408MHz	2.02	49%	
2410MHz	2.03	50%	
2412MHz	2.05	50%	
2414MHz	2.08	50%	
2416MHz	2.08	50%	
2418MHz	2.11	51%	
2420MHz	2.11	50%	
2422MHz	2.13	51%	
2424MHz	2.19	51%	
2426MHz	2.18	52%	
2428MHz	2.20	52%	
2430MHz	2.21	52%	
2432MHz	2.20	51%	
2434MHz	2.18	51%	
2436MHz	2.11	51%	
2438MHz	2.05	51%	
2440MHz	2.01	51%	
2442MHz	1.97	50%	
2444MHz	1.90	50%	
2446MHz	1.77	49%	
2448MHz	1.69	49%	
2450MHz	1.61	48%	
2452MHz	1.53	48%	
2454MHz	1.43	48%	
2456MHz	1.29	47%	
2458MHz	1.19	47%	
2460MHz	1.05	46%	
2462MHz	0.91	46%	
2464MHz	0.95	46%	
2466MHz	1.16	46%	
2468MHz	1.25	46%	
2470MHz	1.35	46%	
2472MHz	1.47	46%	
2474MHz	1.58	47%	
2476MHz	1.65	47%	
2478MHz	1.71	47%	
2480MHz	1.76	47%	

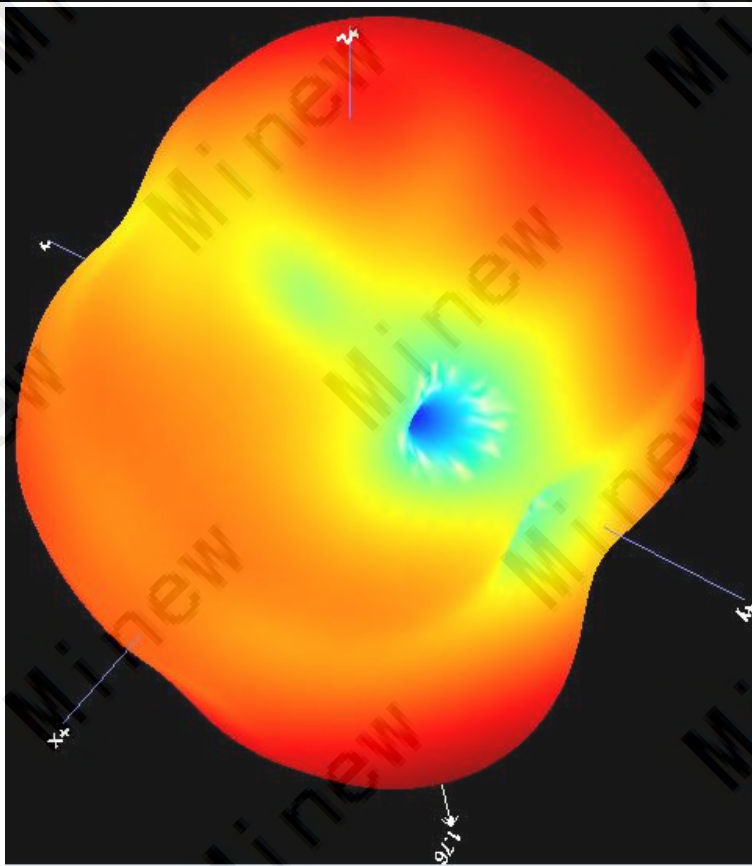
3.3 3D Polar Plot



2402MHz



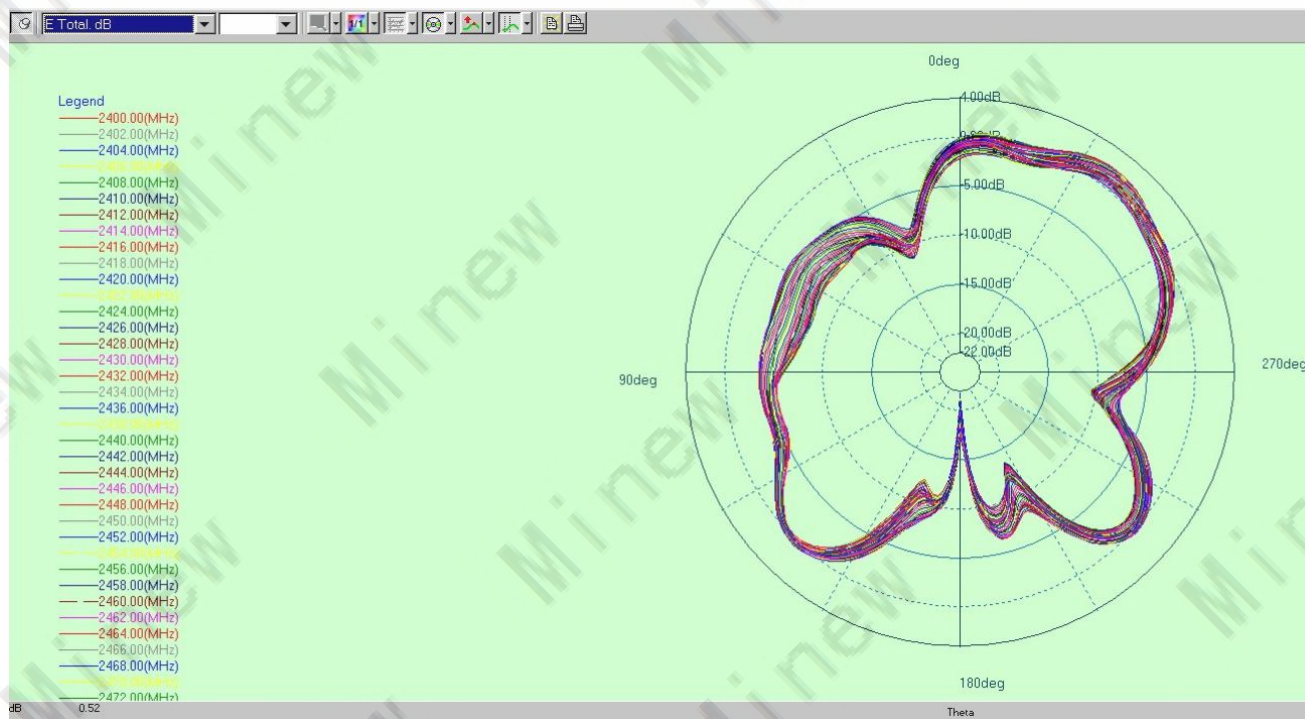
2440MHz



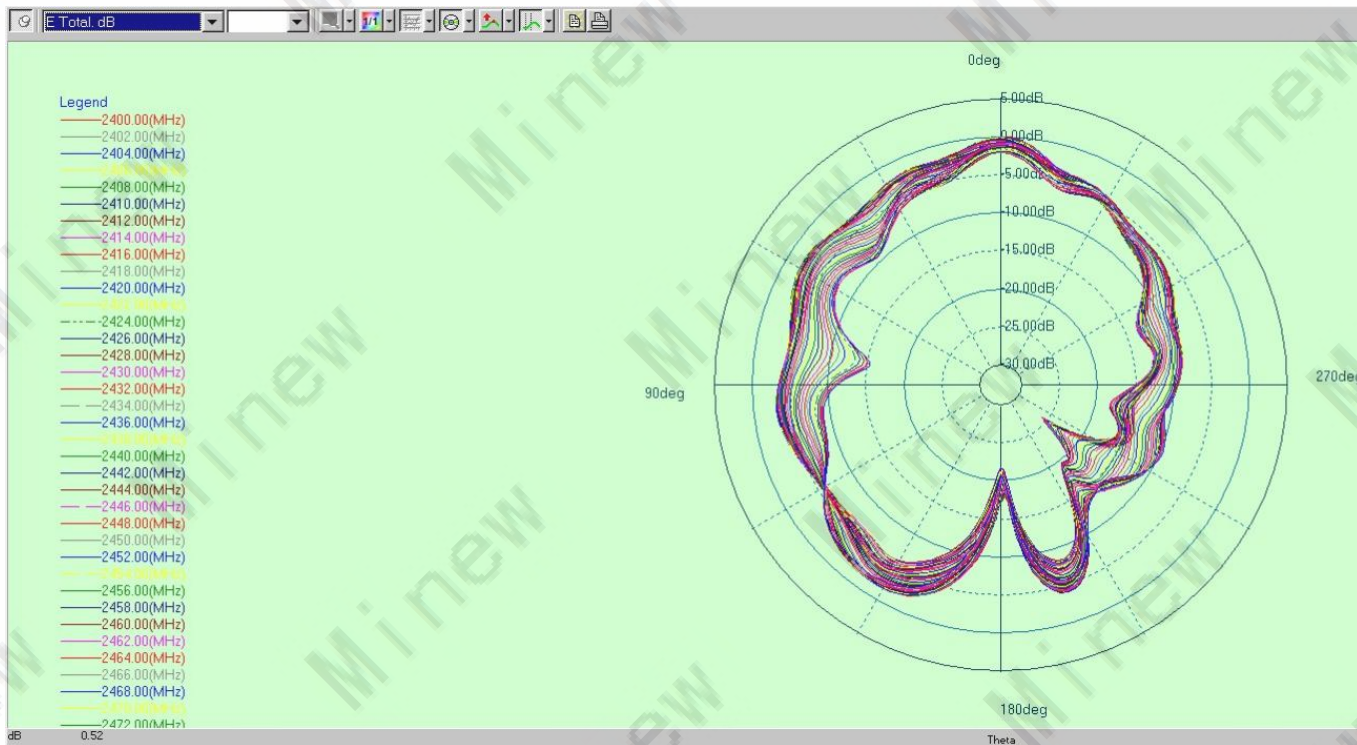
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

