

Antenna Coding: ANT-BBNCNC22007

Antenna Type: PCB onboard Antenna

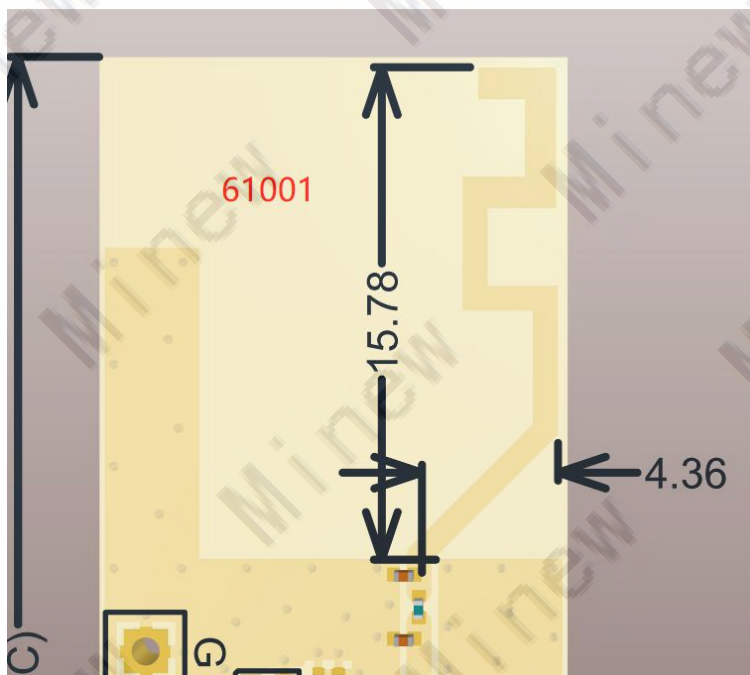
Model of the DUT: MBM03-61001

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

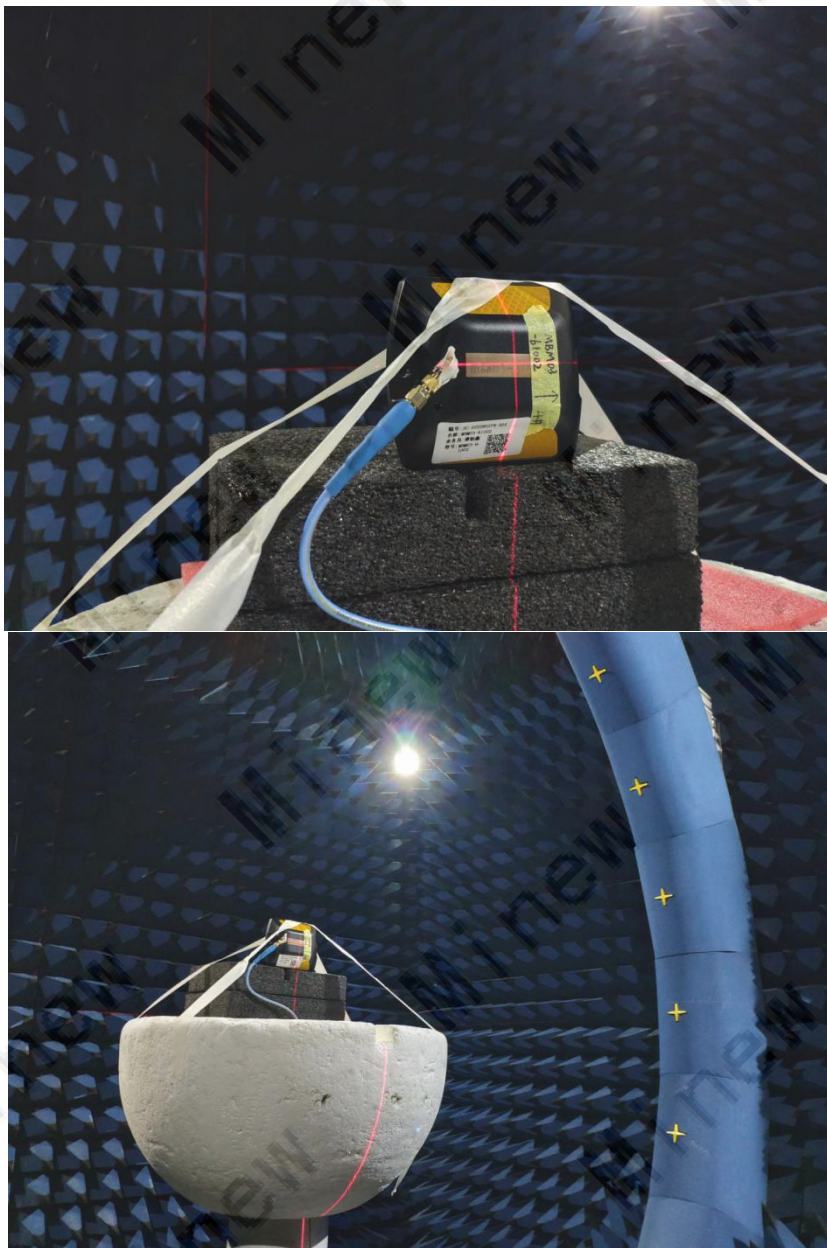
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-17
VSWR	<1.35
Peak Gain (dBi)	5.38
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	15.78*4.36
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

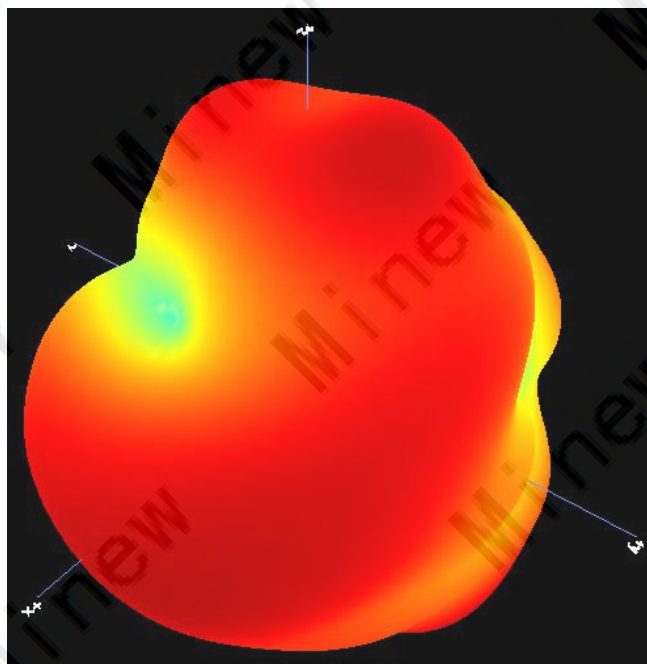




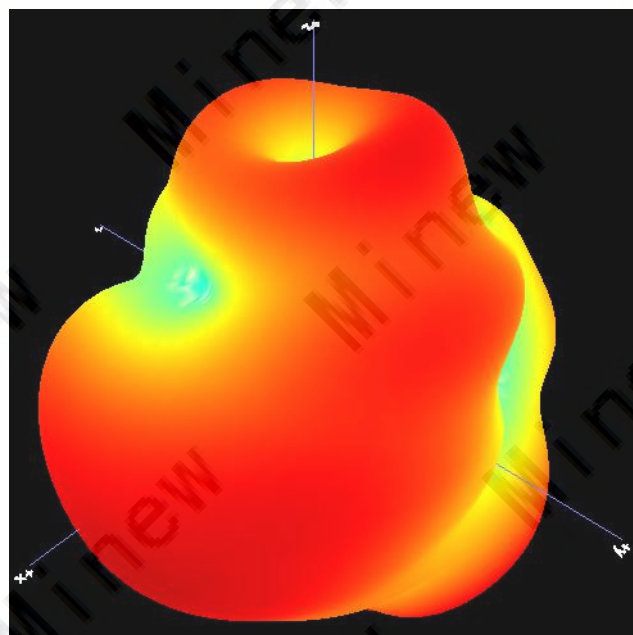
3.2 Gain and Efficiency

EUT Type	4#-MBM03-61002		
Note			
Frequency	Gain (dBi)	Efficiency(%)	Peak Gain (dBi)
2400MHz	3.99	58%	5.38842
2402MHz	4.00	58%	
2404MHz	3.98	58%	
2406MHz	3.92	58%	
2408MHz	3.93	58%	
2410MHz	3.95	58%	
2412MHz	3.96	58%	
2414MHz	3.96	58%	
2416MHz	3.98	58%	
2418MHz	4.00	58%	
2420MHz	3.98	57%	
2422MHz	3.99	57%	
2424MHz	4.03	57%	
2426MHz	4.16	57%	
2428MHz	4.17	57%	
2430MHz	4.20	57%	
2432MHz	4.22	57%	
2434MHz	4.24	57%	
2436MHz	4.34	57%	
2438MHz	4.36	57%	
2440MHz	4.40	57%	
2442MHz	4.42	57%	
2444MHz	4.46	57%	
2446MHz	4.58	56%	
2448MHz	4.62	57%	
2450MHz	4.68	57%	
2452MHz	4.75	58%	
2454MHz	4.81	58%	
2456MHz	4.86	59%	
2458MHz	4.94	59%	
2460MHz	4.99	60%	
2462MHz	5.06	61%	
2464MHz	5.13	61%	
2466MHz	5.11	62%	
2468MHz	5.18	63%	
2470MHz	5.23	64%	
2472MHz	5.27	64%	
2474MHz	5.31	65%	
2476MHz	5.36	65%	
2478MHz	5.39	65%	
2480MHz	5.39	65%	

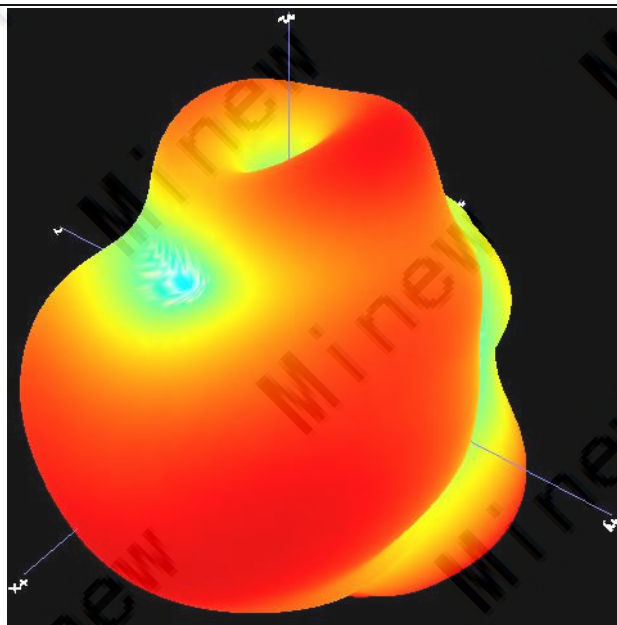
3.3 3D Polar Plot



2402MHz



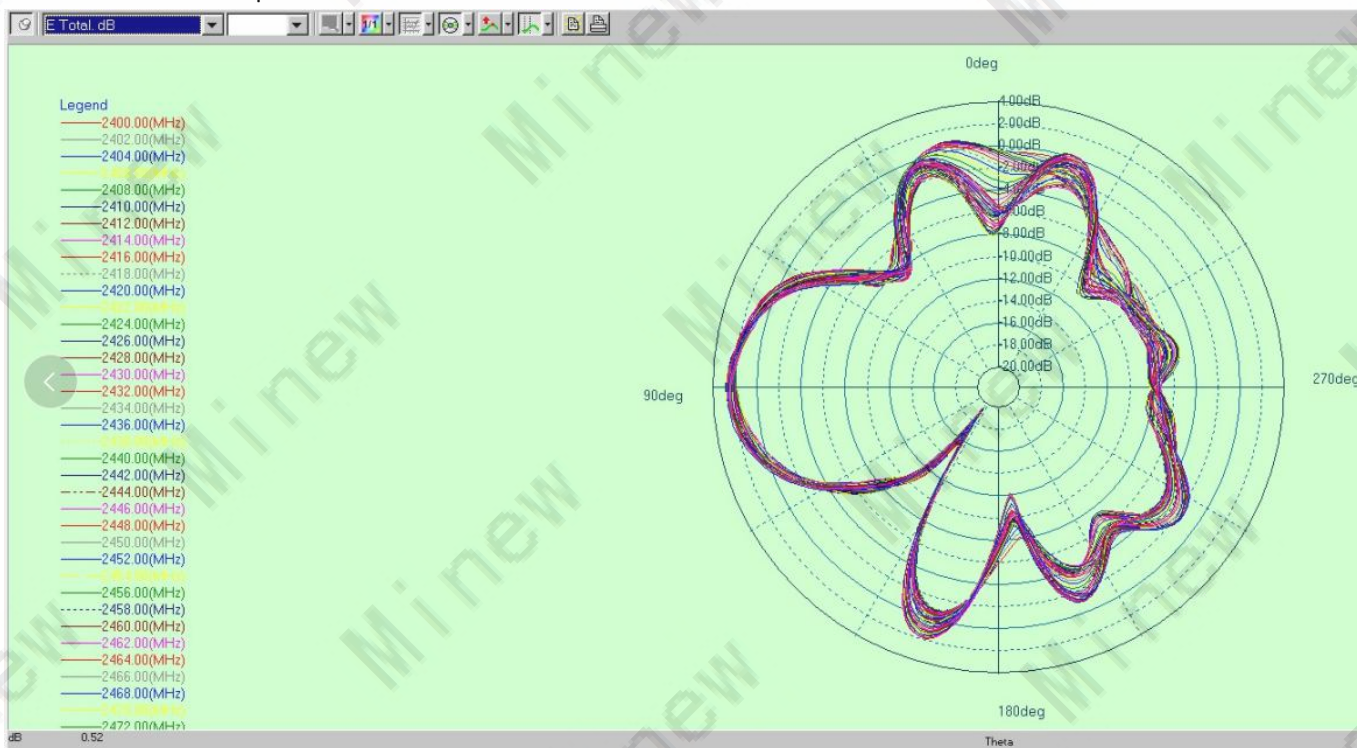
2440MHz



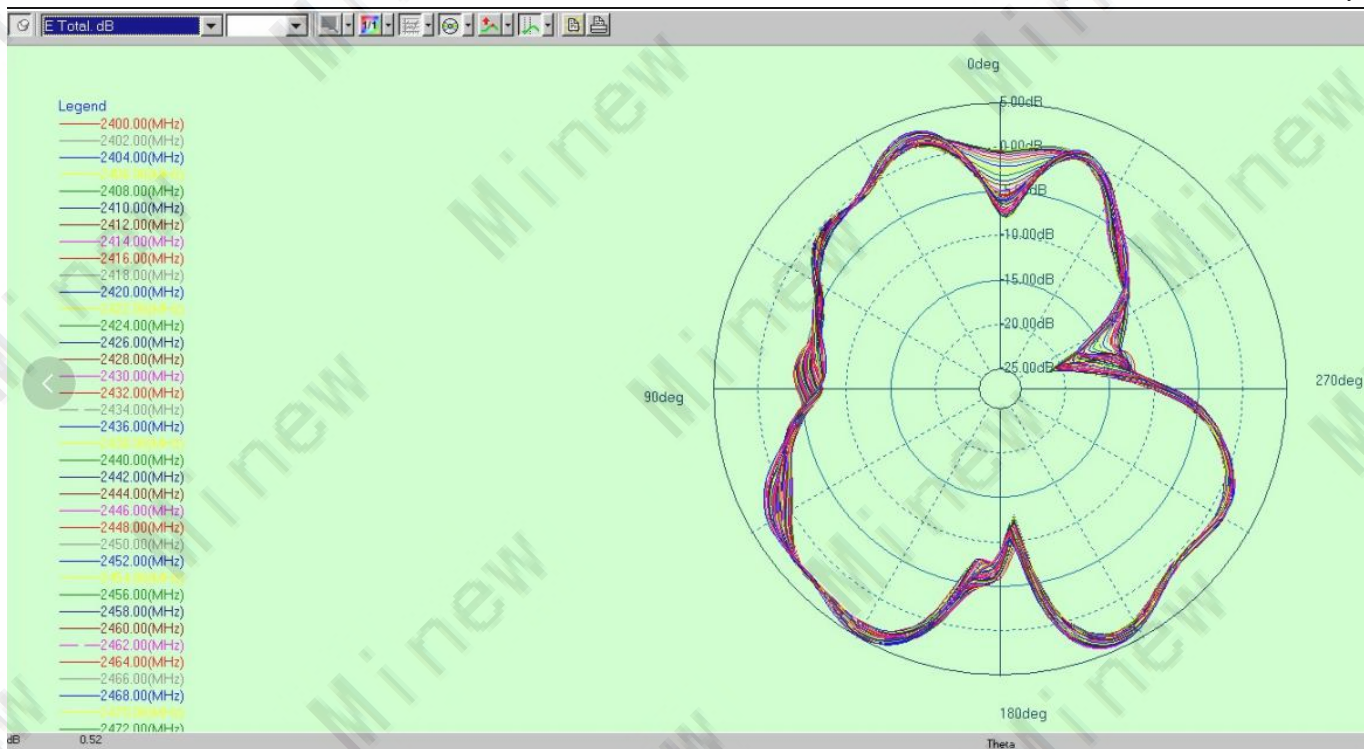
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



(2) E2, YZ Plane, phi=90°



(3) H, XY plane, theta=90°

