

Antenna Coding: ANT-BBNCNC22008

Antenna Type: PCB onboard Antenna

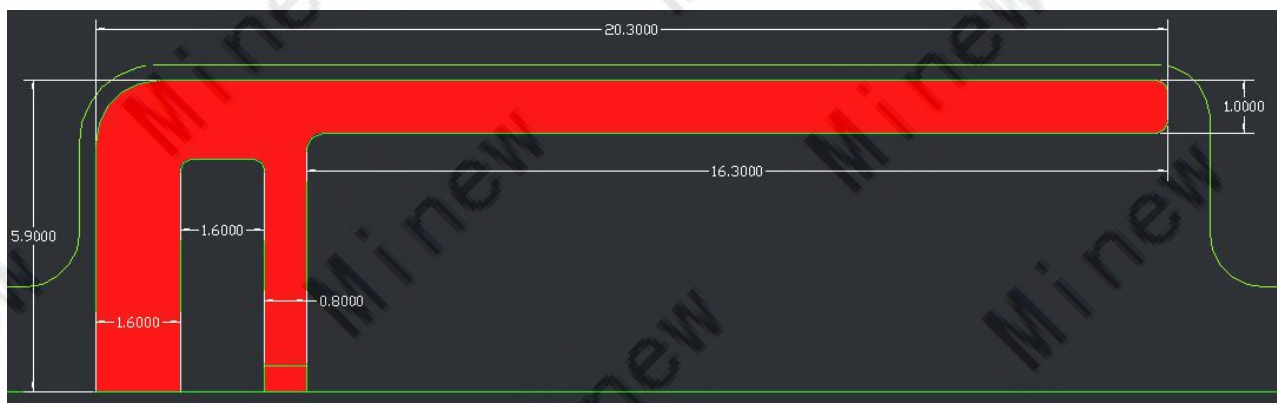
Model of the DUT: MBM02

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

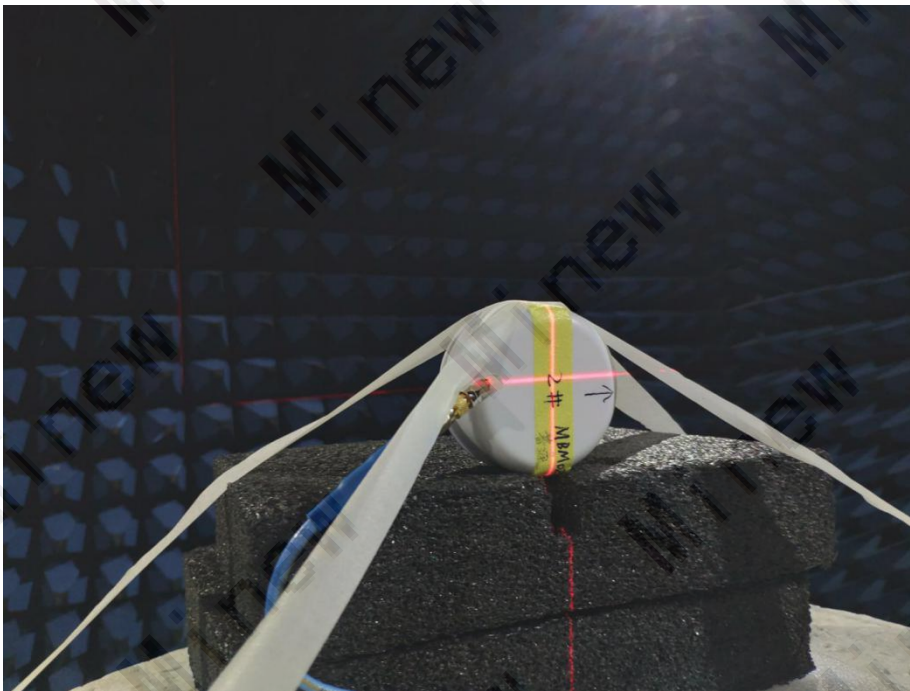
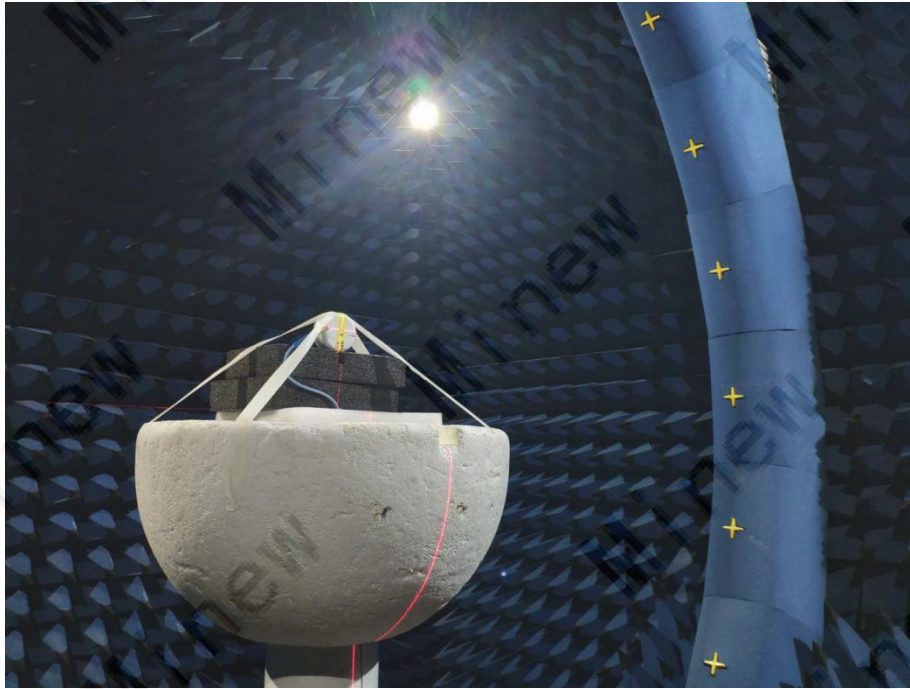
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-12
VSWR	<1.6
Peak Gain (dBi)	2.33
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	20.3*5.9
Radiator	Cuprum

2、The shape and size of the antenna



3、The result of the test

3.1 Test Environment

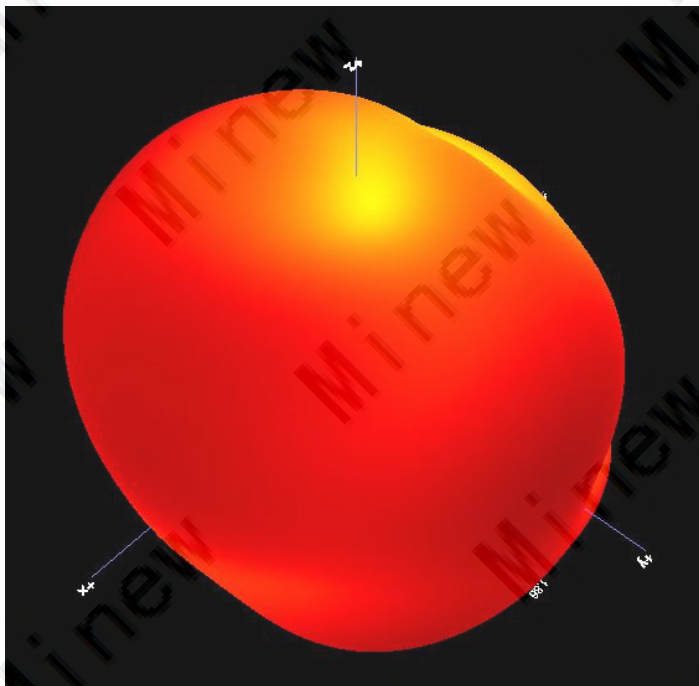


3.2 Gain and Efficiency

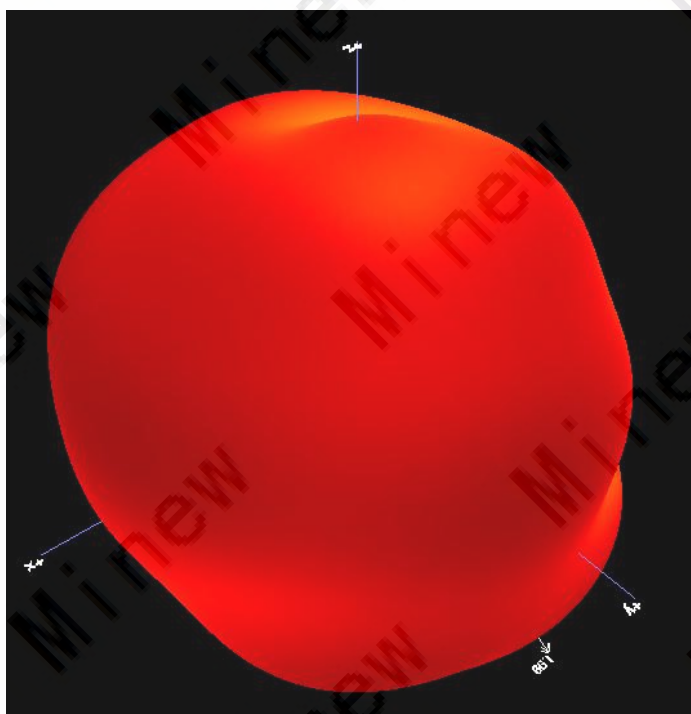


EUT Type Note	2#-MBM02		
Frequency	Gain (dBi)	Efficiency(%)	Peak Gain (dBi)
2400MHz	1.79	65%	2.32551
2402MHz	1.86	66%	
2404MHz	1.89	66%	
2406MHz	1.88	67%	
2408MHz	1.91	67%	
2410MHz	1.94	68%	
2412MHz	1.94	68%	
2414MHz	1.92	68%	
2416MHz	1.93	68%	
2418MHz	1.91	68%	
2420MHz	1.86	68%	
2422MHz	1.84	68%	
2424MHz	1.84	69%	
2426MHz	1.91	70%	
2428MHz	1.89	71%	
2430MHz	1.86	71%	
2432MHz	1.86	71%	
2434MHz	1.89	72%	
2436MHz	1.97	72%	
2438MHz	1.96	73%	
2440MHz	1.99	73%	
2442MHz	1.99	73%	
2444MHz	1.98	73%	
2446MHz	2.00	73%	
2448MHz	1.99	72%	
2450MHz	2.01	72%	
2452MHz	2.02	72%	
2454MHz	2.00	72%	
2456MHz	2.05	72%	
2458MHz	2.08	72%	
2460MHz	2.10	72%	
2462MHz	2.12	72%	
2464MHz	2.16	72%	
2466MHz	2.15	72%	
2468MHz	2.20	73%	
2470MHz	2.23	73%	
2472MHz	2.26	73%	
2474MHz	2.33	74%	
2476MHz	2.26	74%	
2478MHz	2.28	74%	
2480MHz	2.30	74%	
2482MHz	2.30	73%	

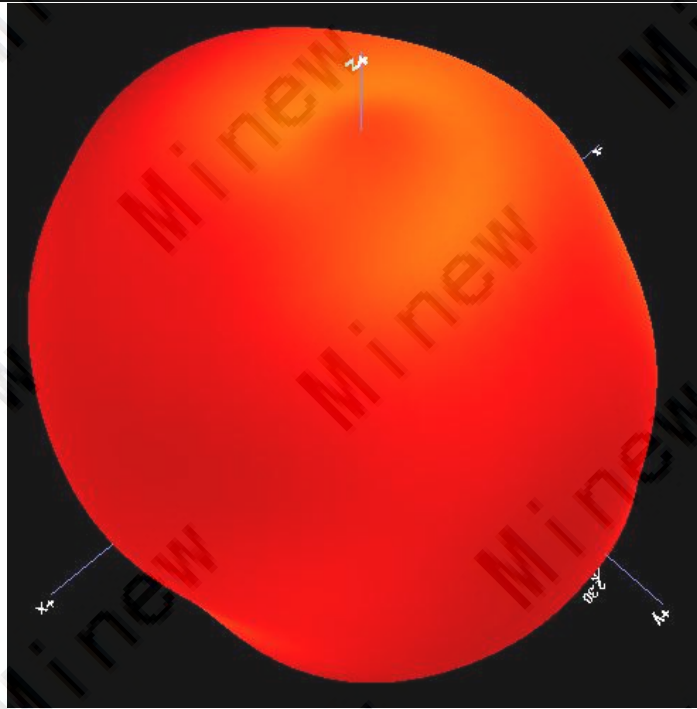
3.3 3D Polar Plot



2402MHz



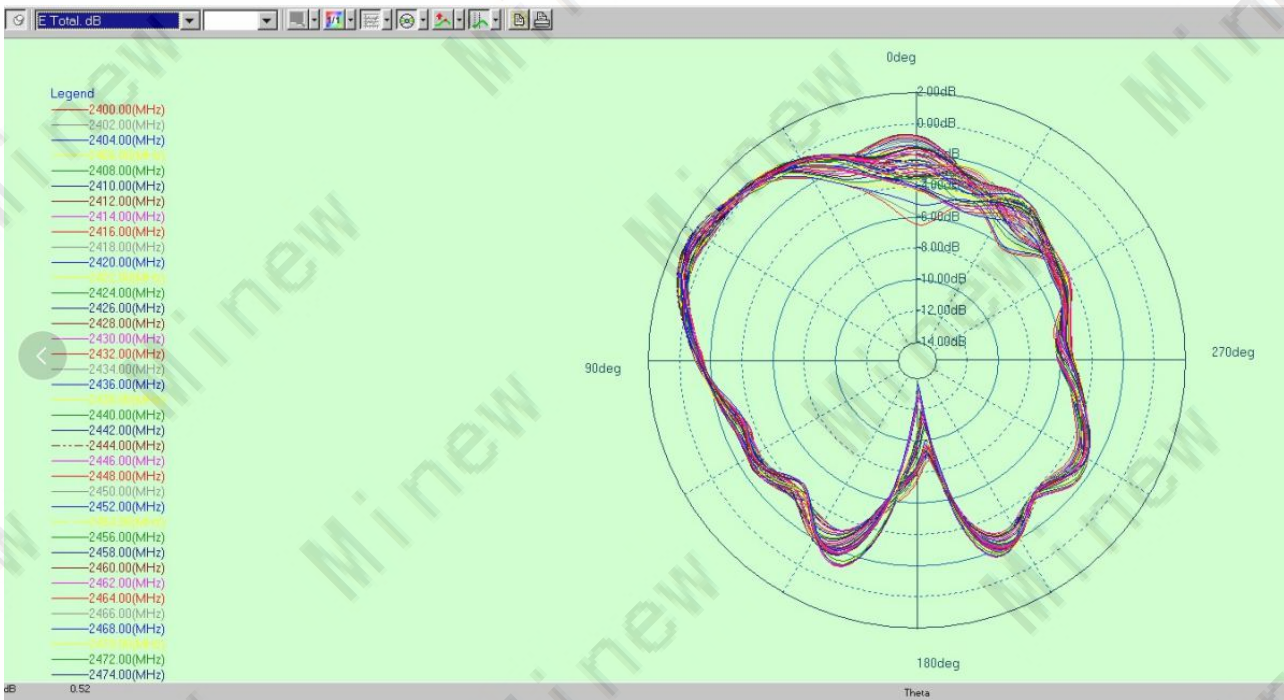
2440MHz



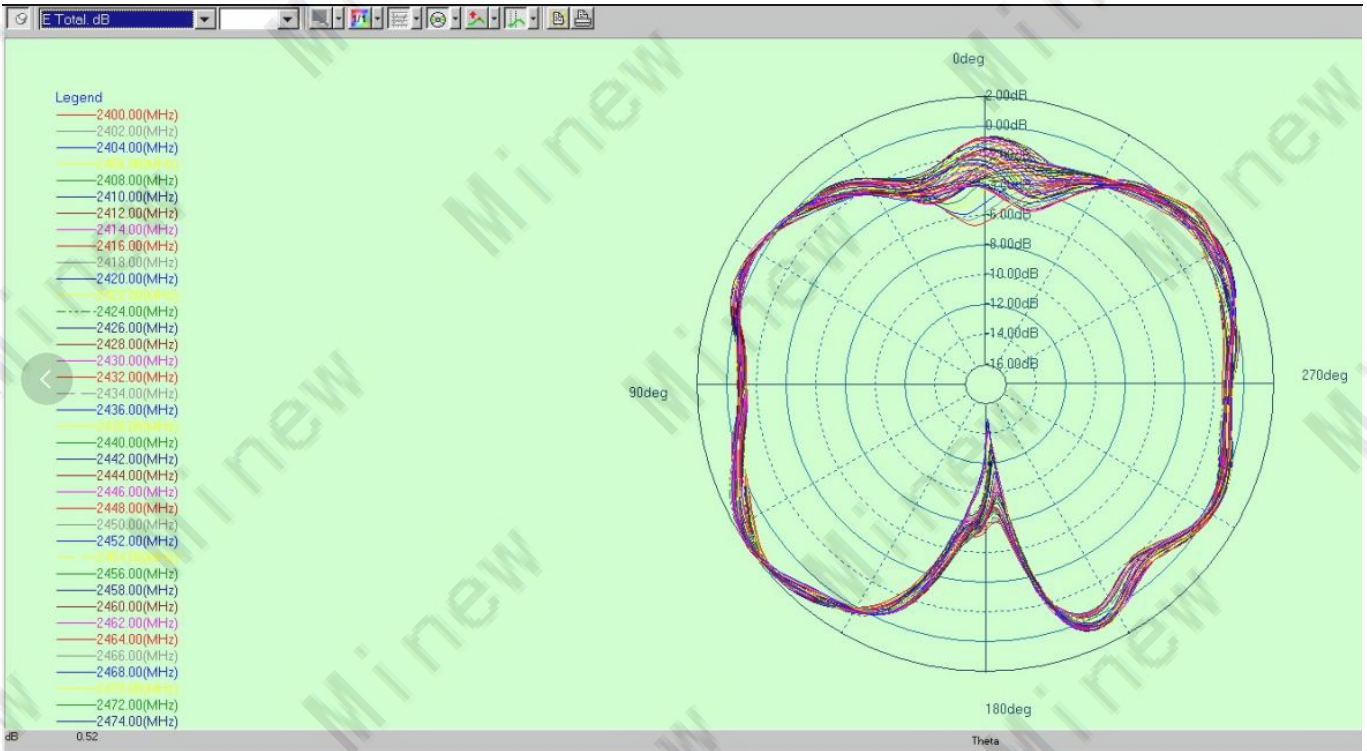
2480MHz

3.4 2D Radiation Pattern

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



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



(3) H , XY plane, theta=90°

