

Antenna Coding: ANT-BBNCNC22006

Antenna Type: PCB onboard Antenna

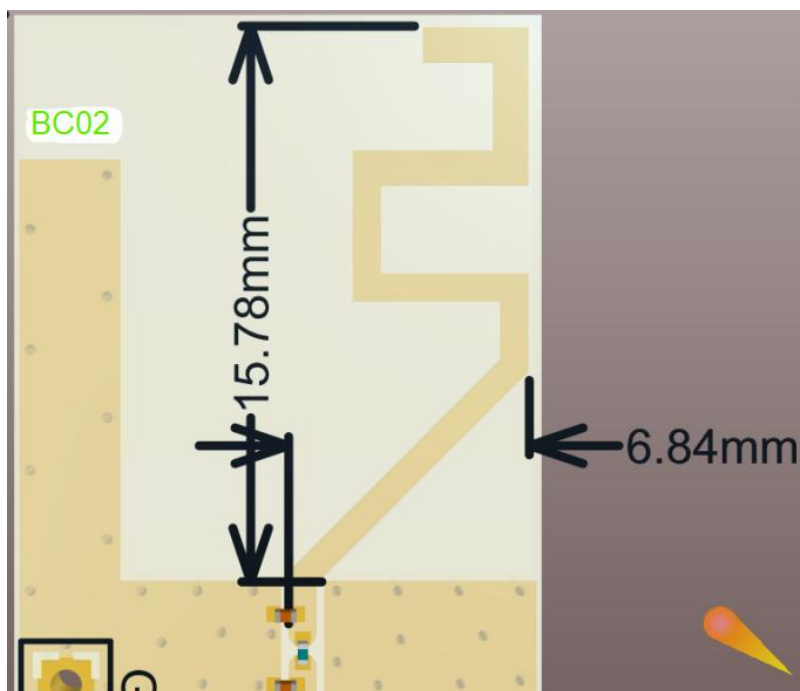
Model of the DUT: BC02

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

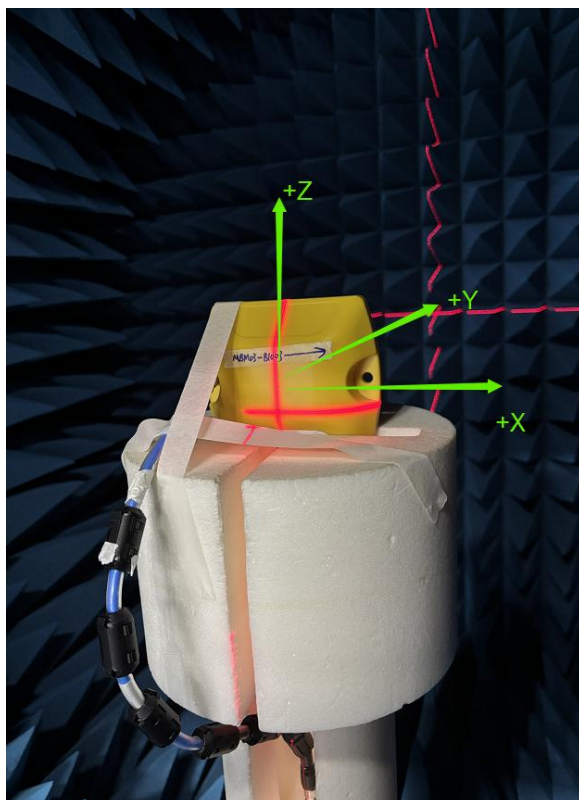
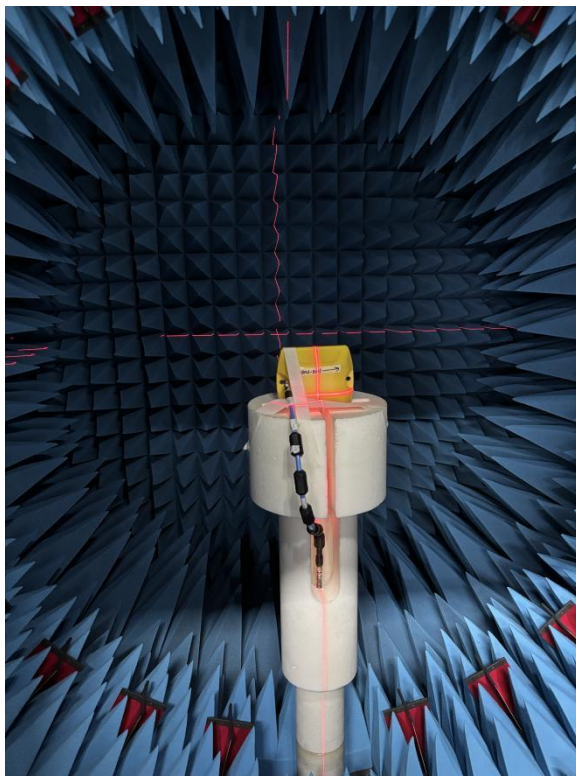
Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-17
VSWR	<1.5
Peak Gain (dBi)	4.83
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	15.78*6.84
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

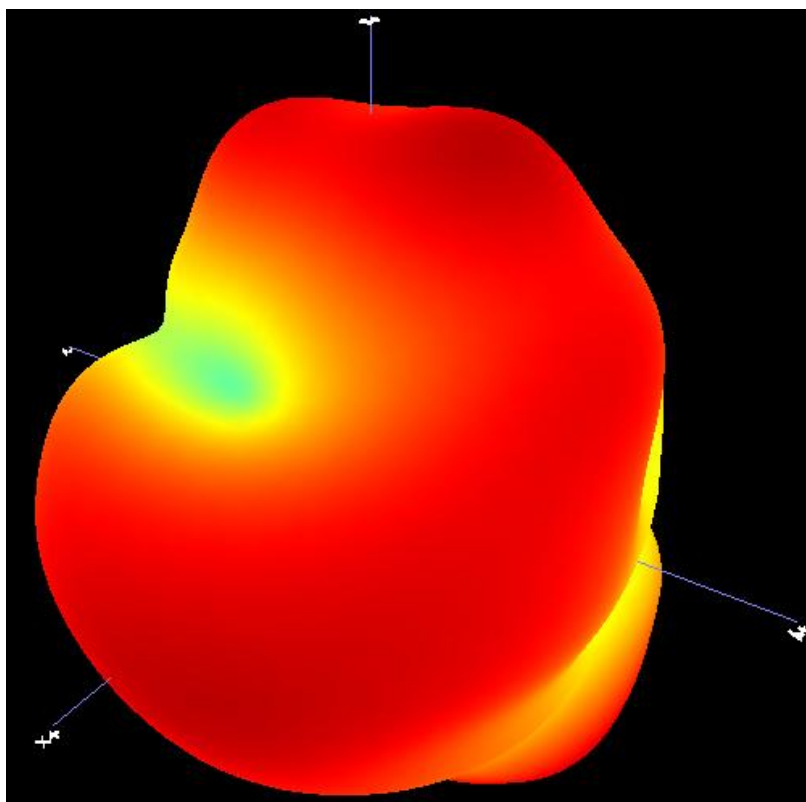




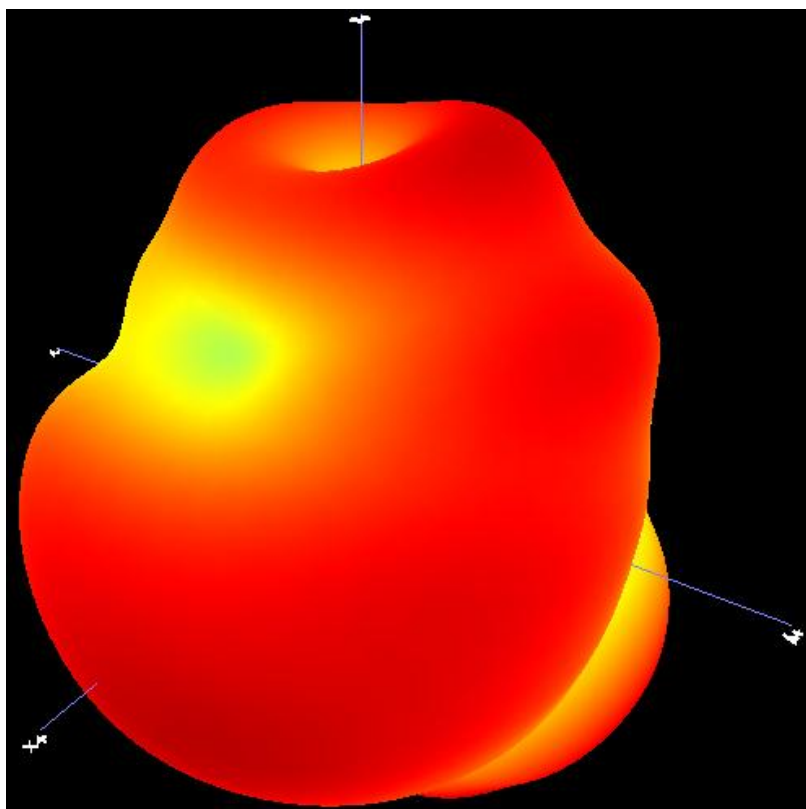
3.2 Gain and Efficiency

EUT型号	3#-MBM03-B1003		
备注			
Frequency	Gain (dBi)	Efficiency(%)	PeakGain (dBi)
2400MHz	3.57	57%	4.83
2402MHz	3.62	57%	
2404MHz	3.65	57%	
2406MHz	3.63	58%	
2408MHz	3.67	58%	
2410MHz	3.72	58%	
2412MHz	3.74	58%	
2414MHz	3.75	58%	
2416MHz	3.76	58%	
2418MHz	3.77	58%	
2420MHz	3.74	58%	
2422MHz	3.74	57%	
2424MHz	3.77	57%	
2426MHz	3.87	57%	
2428MHz	3.89	57%	
2430MHz	3.91	57%	
2432MHz	3.94	57%	
2434MHz	3.97	57%	
2436MHz	4.07	57%	
2438MHz	4.10	57%	
2440MHz	4.15	57%	
2442MHz	4.20	58%	
2444MHz	4.24	58%	
2446MHz	4.36	58%	
2448MHz	4.39	58%	
2450MHz	4.43	58%	
2452MHz	4.48	58%	
2454MHz	4.51	58%	
2456MHz	4.53	58%	
2458MHz	4.58	59%	
2460MHz	4.61	59%	
2462MHz	4.64	59%	
2464MHz	4.68	59%	
2466MHz	4.63	60%	
2468MHz	4.68	60%	
2470MHz	4.71	60%	
2472MHz	4.72	60%	
2474MHz	4.75	61%	
2476MHz	4.80	61%	
2478MHz	4.83	61%	
2480MHz	4.83	61%	

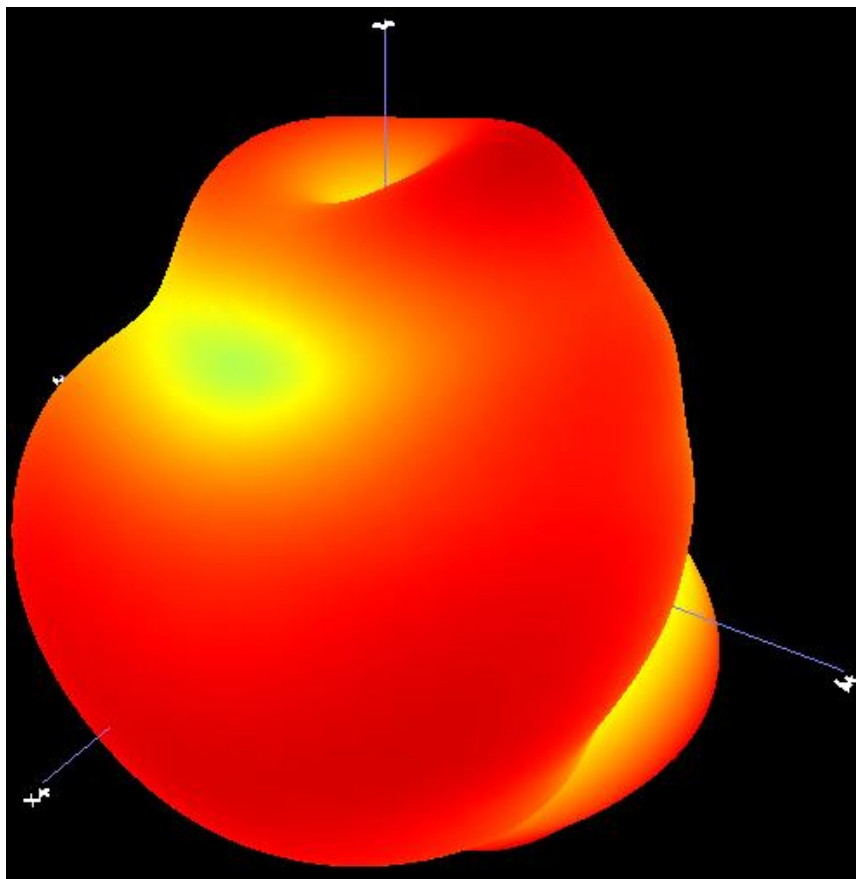
3.3 3D Polar Plot



2402MHz



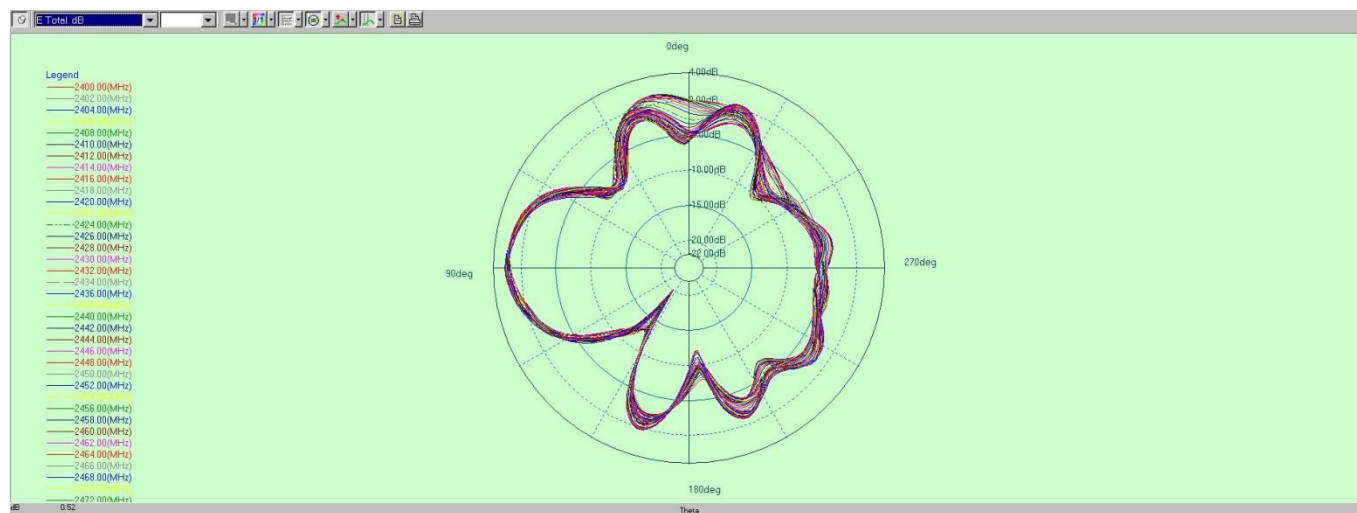
2440MHz



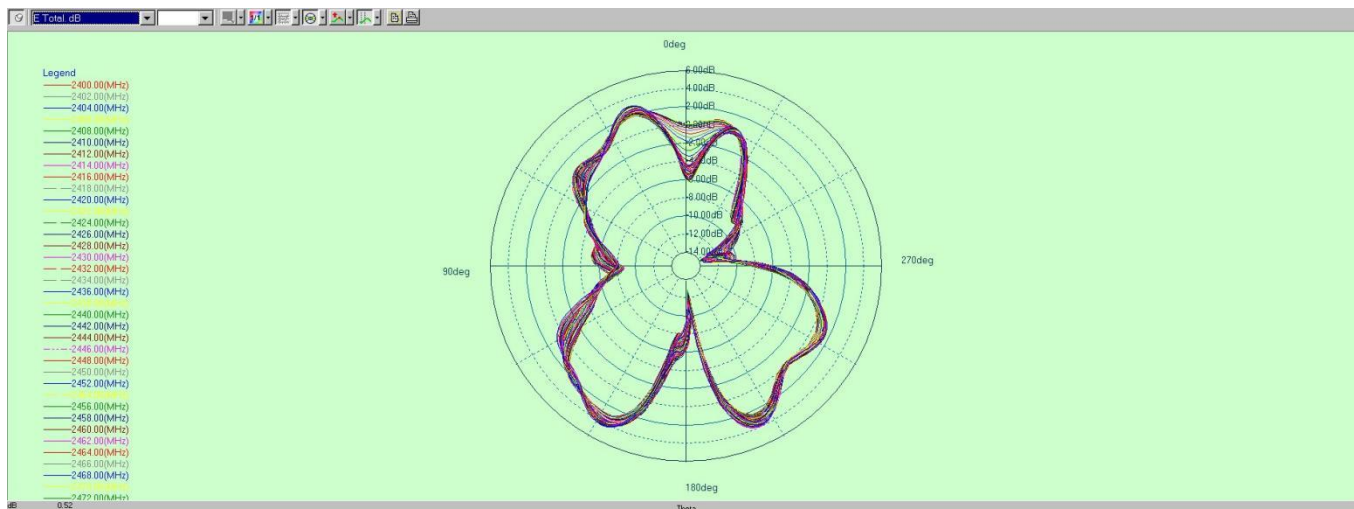
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

