

Antenna Coding: ANT-BBNCNC21010

Antenna Type: PCB onboard Antenna

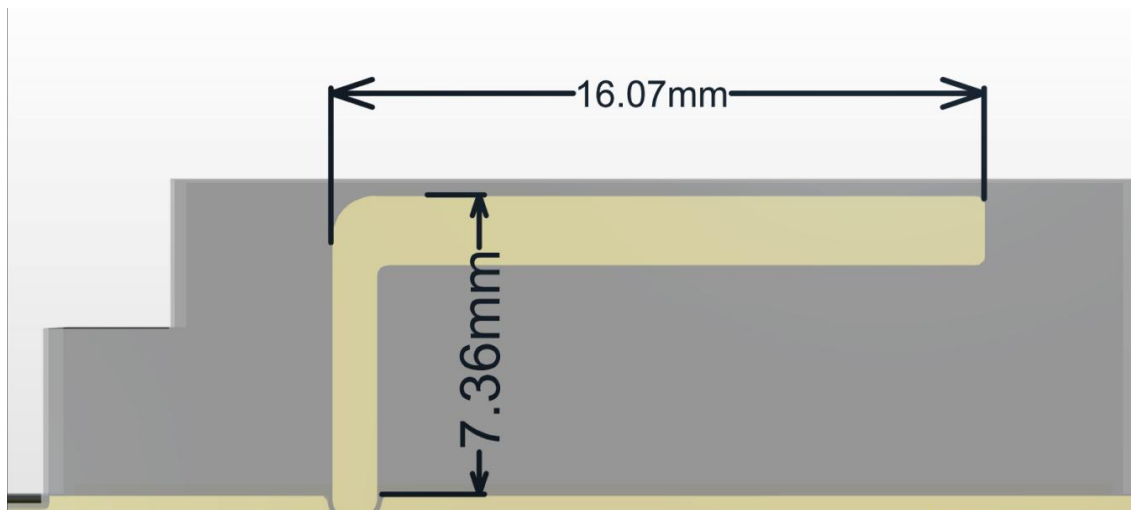
Model of the DUT: MBM01

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

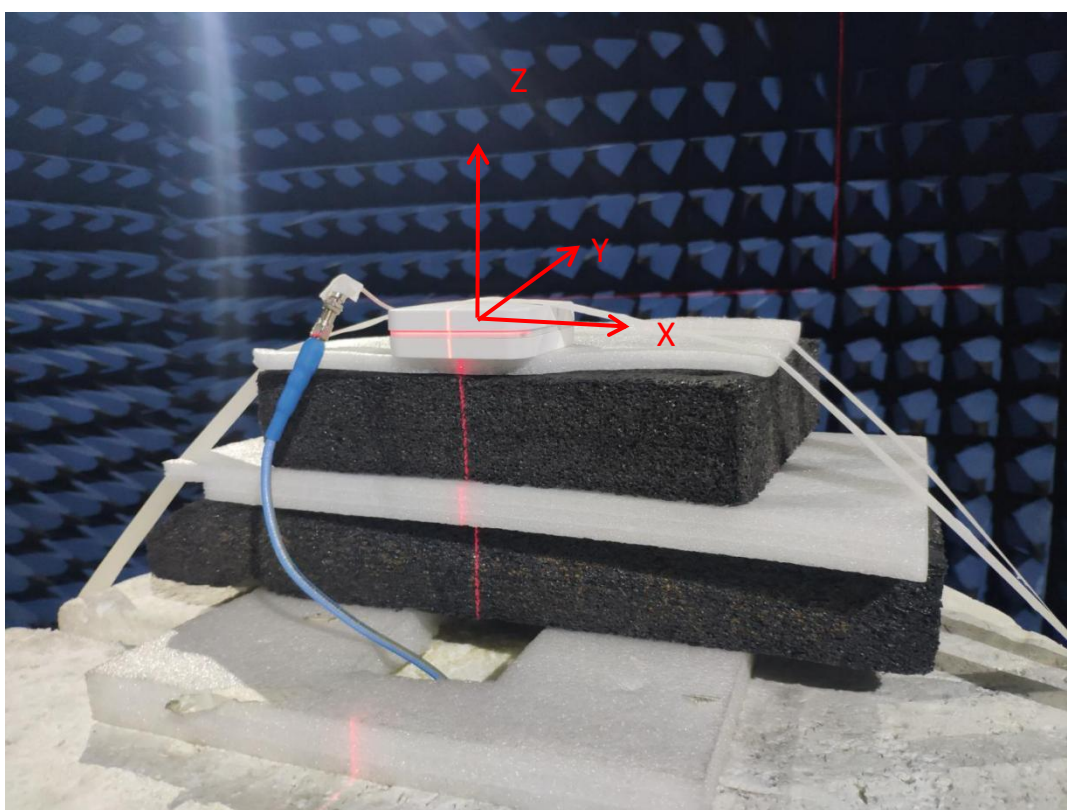
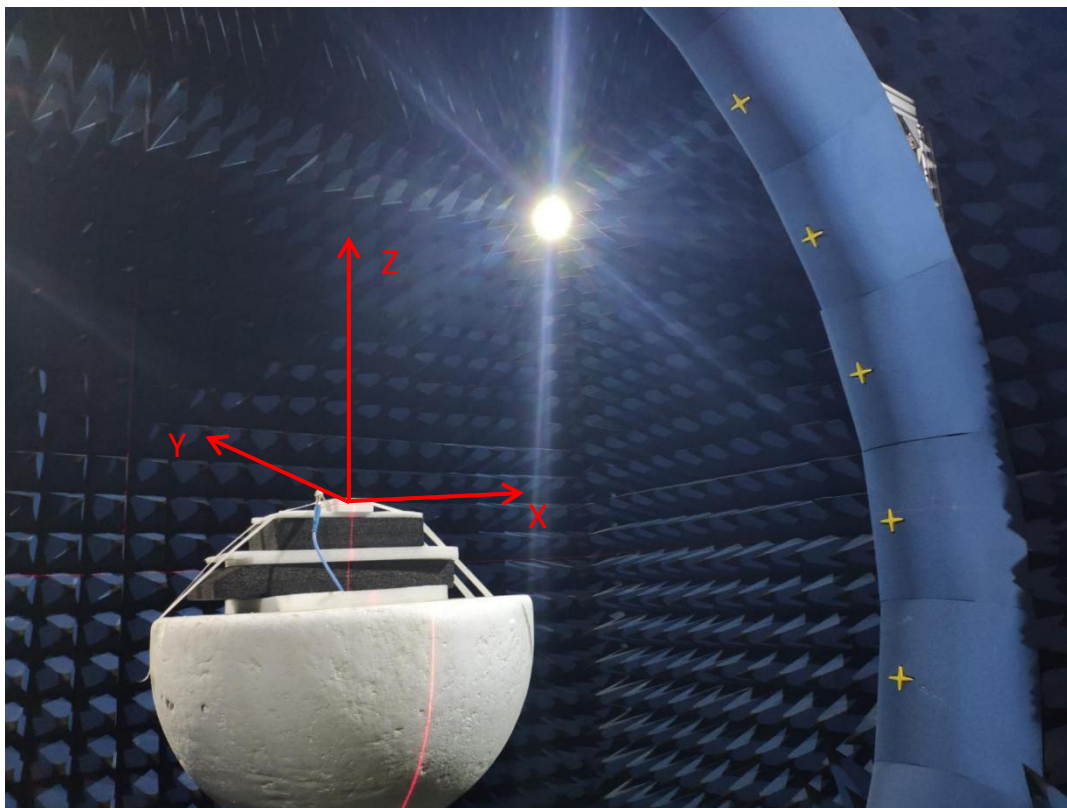
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	1.72
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	16.07mm*7.36mm
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

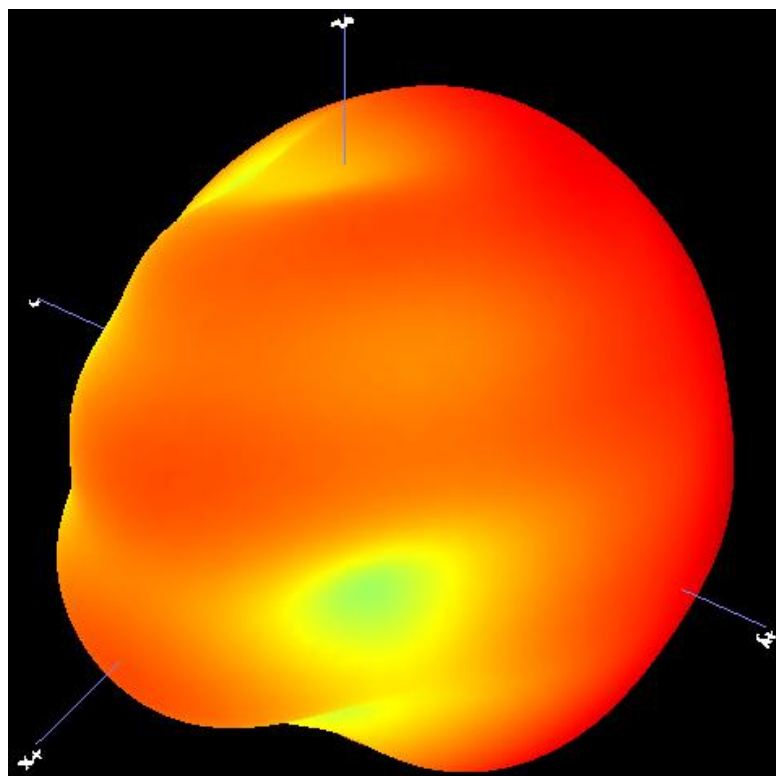




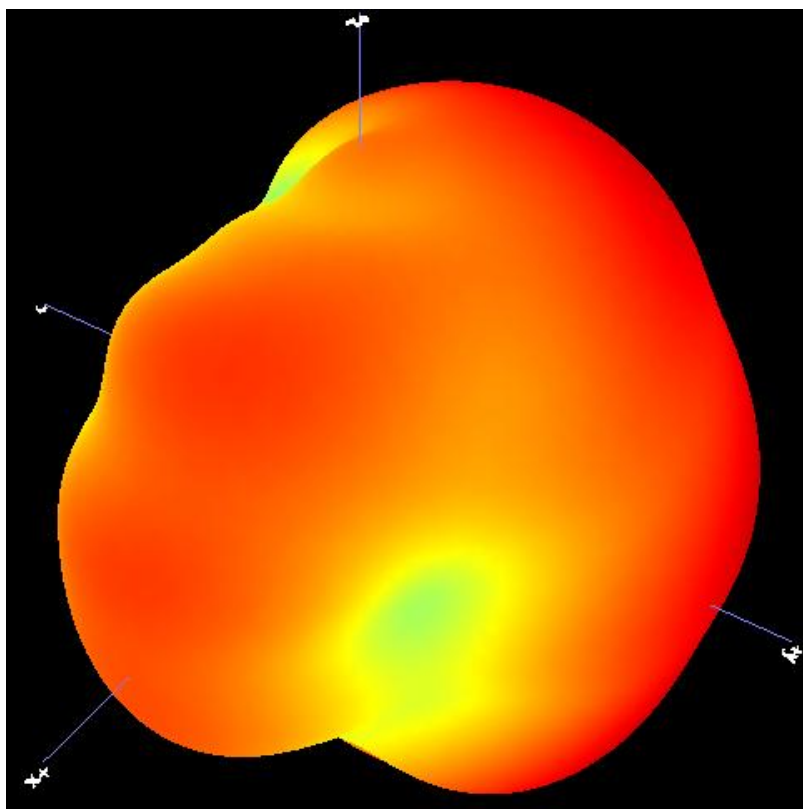
3.2 Gain and Efficiency

EUT型号 备注	2#-MBM01 2#		
Frequency	Gain (dBi)	Efficiency()	PeakGain
2400MHz	1.18	41%	1.72
2402MHz	1.03	42%	
2404MHz	0.96	42%	
2406MHz	0.89	42%	
2408MHz	0.82	42%	
2410MHz	0.74	42%	
2412MHz	0.62	41%	
2414MHz	0.54	41%	
2416MHz	0.58	41%	
2418MHz	0.54	41%	
2420MHz	0.50	40%	
2422MHz	0.66	41%	
2424MHz	0.75	41%	
2426MHz	0.75	41%	
2428MHz	0.84	41%	
2430MHz	0.97	42%	
2432MHz	1.10	42%	
2434MHz	1.20	42%	
2436MHz	1.36	43%	
2438MHz	1.46	43%	
2440MHz	1.54	43%	
2442MHz	1.60	43%	
2444MHz	1.63	43%	
2446MHz	1.66	43%	
2448MHz	1.64	43%	
2450MHz	1.61	43%	
2452MHz	1.46	42%	
2454MHz	1.42	42%	
2456MHz	1.40	42%	
2458MHz	1.37	43%	
2460MHz	1.34	43%	
2462MHz	1.34	43%	
2464MHz	1.36	44%	
2466MHz	1.33	44%	
2468MHz	1.37	45%	
2470MHz	1.43	45%	
2472MHz	1.49	46%	
2474MHz	1.57	46%	
2476MHz	1.59	47%	
2478MHz	1.67	47%	
2480MHz	1.72	47%	

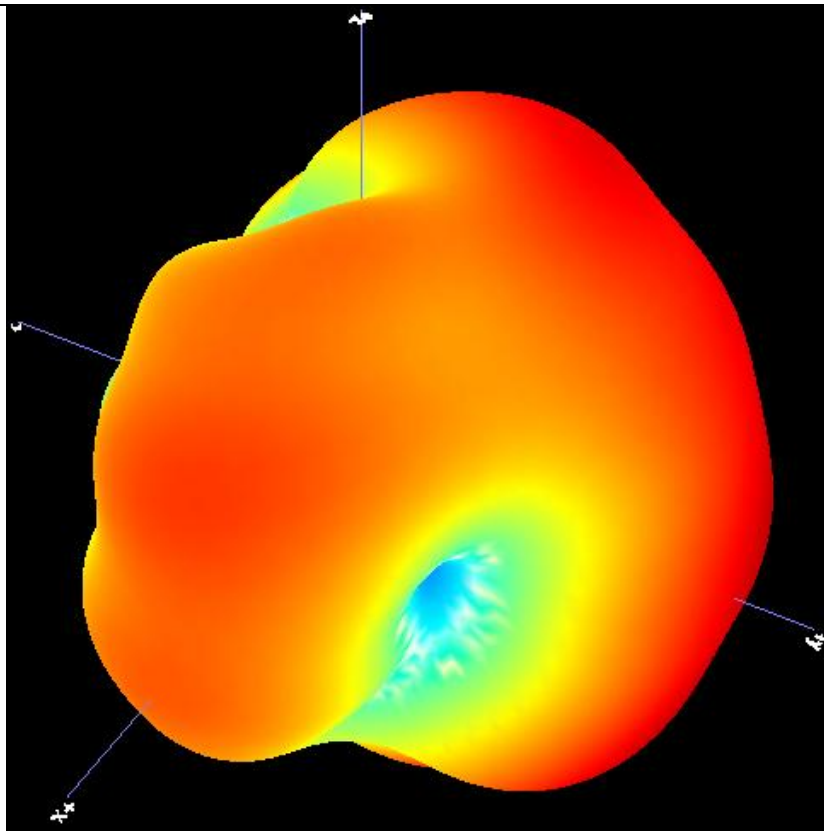
3.3 3D Polar Plot



2402MHz



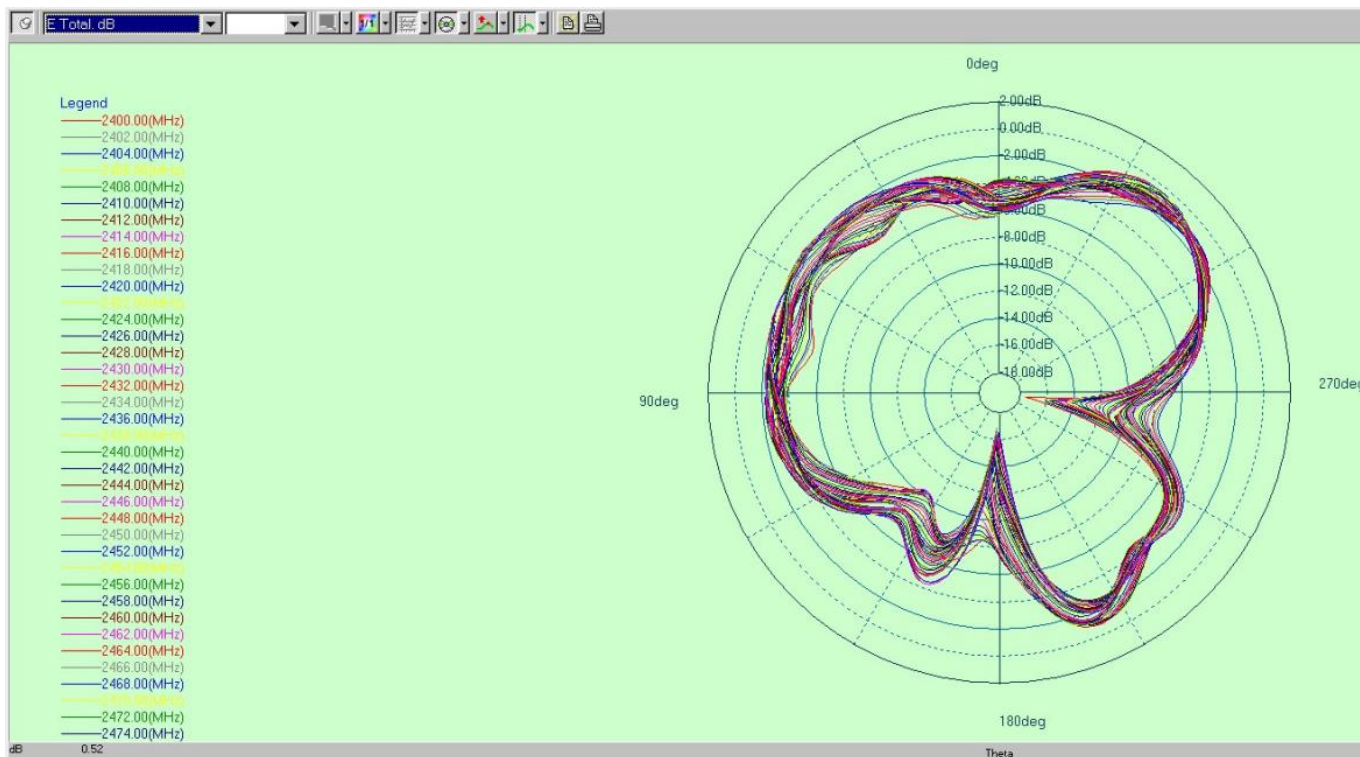
2440MHz



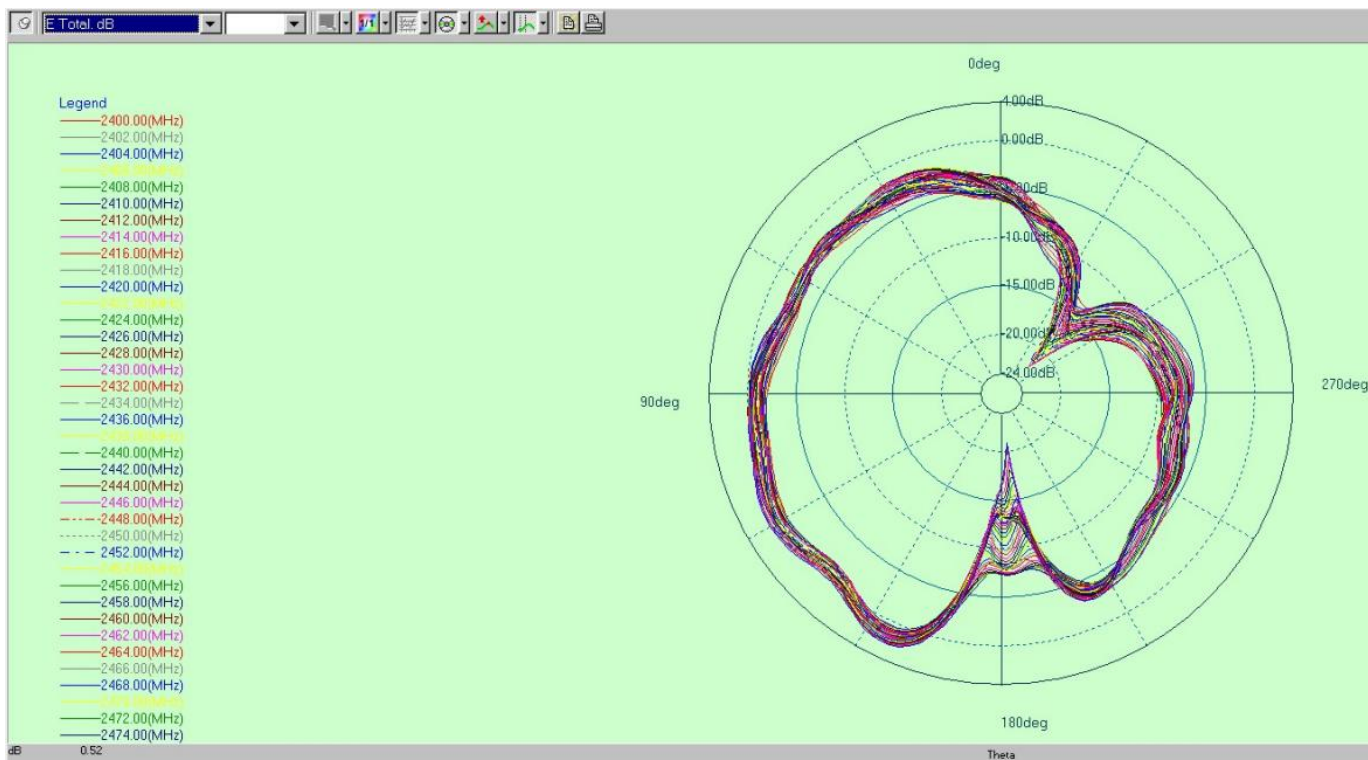
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

