

Antenna Coding: ANT-BBNCNC23006

Antenna Type: PCB onboard Antenna

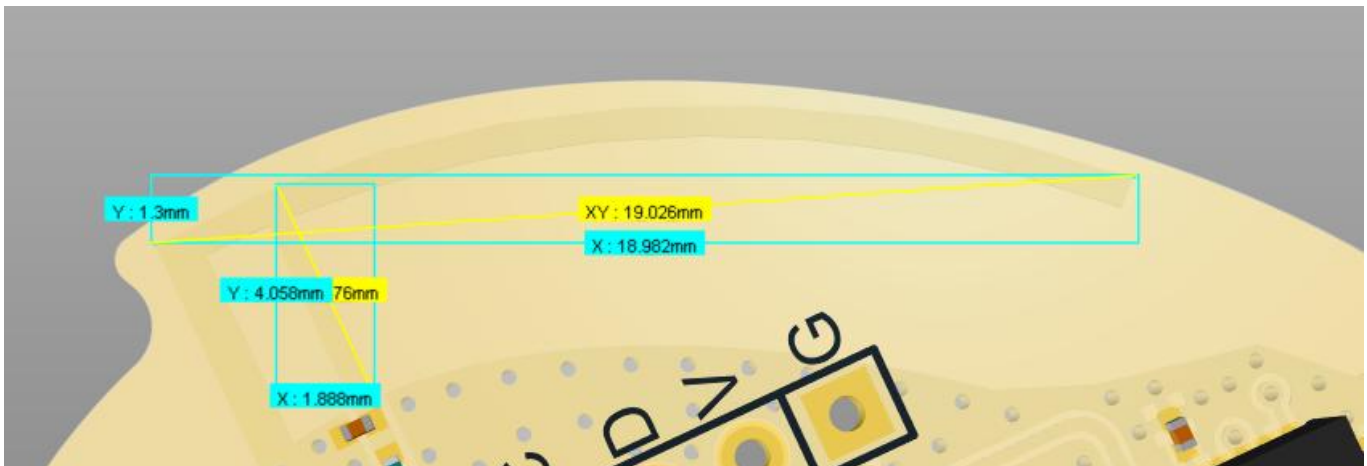
Model of the DUT: MTC02

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

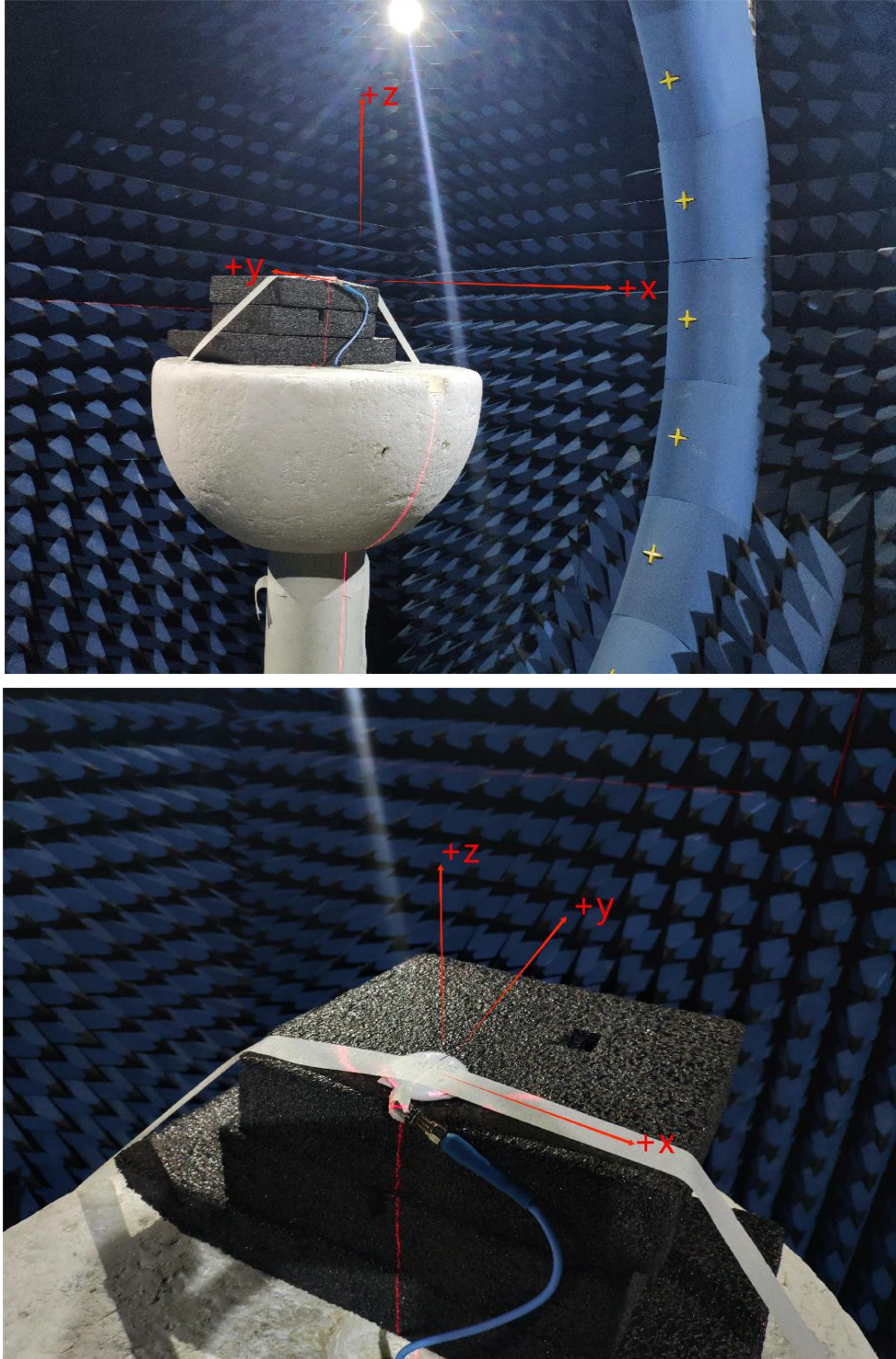
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	1.41
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	18.98*4.48
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

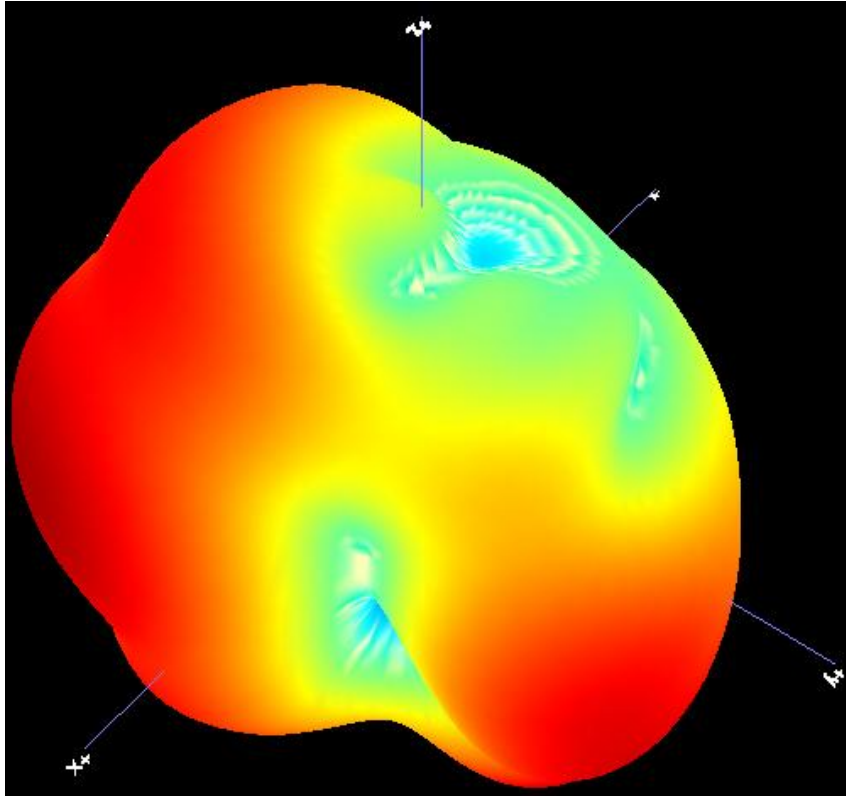




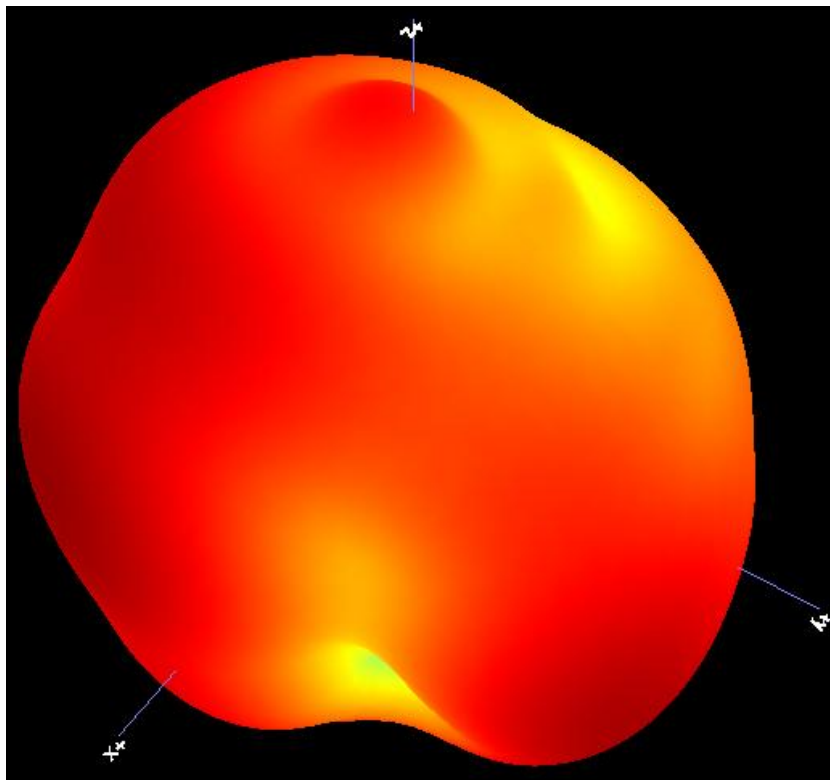
3.2 Gain and Efficiency

EUT型号	1#-MTC02		
备注	1#		
Frequency	Gain (dBi)	Efficiency(%)	PeakGain (dBi)
2400MHz	0.69	44%	1.41
2402MHz	0.80	44%	
2404MHz	0.87	45%	
2406MHz	0.98	45%	
2408MHz	1.00	46%	
2410MHz	1.01	46%	
2412MHz	0.88	46%	
2414MHz	0.87	46%	
2416MHz	0.79	46%	
2418MHz	0.81	46%	
2420MHz	0.81	46%	
2422MHz	0.84	46%	
2424MHz	0.89	47%	
2426MHz	0.76	48%	
2428MHz	0.79	48%	
2430MHz	0.85	49%	
2432MHz	0.93	50%	
2434MHz	1.01	50%	
2436MHz	1.00	51%	
2438MHz	1.08	52%	
2440MHz	1.12	52%	
2442MHz	1.16	53%	
2444MHz	1.18	53%	
2446MHz	1.11	53%	
2448MHz	1.10	53%	
2450MHz	1.09	54%	
2452MHz	1.09	54%	
2454MHz	1.09	54%	
2456MHz	1.13	54%	
2458MHz	1.20	54%	
2460MHz	1.25	55%	
2462MHz	1.30	55%	
2464MHz	1.36	55%	
2466MHz	1.34	56%	
2468MHz	1.39	57%	
2470MHz	1.39	57%	
2472MHz	1.39	57%	
2474MHz	1.41	57%	
2476MHz	1.37	57%	
2478MHz	1.31	57%	
2480MHz	1.22	57%	

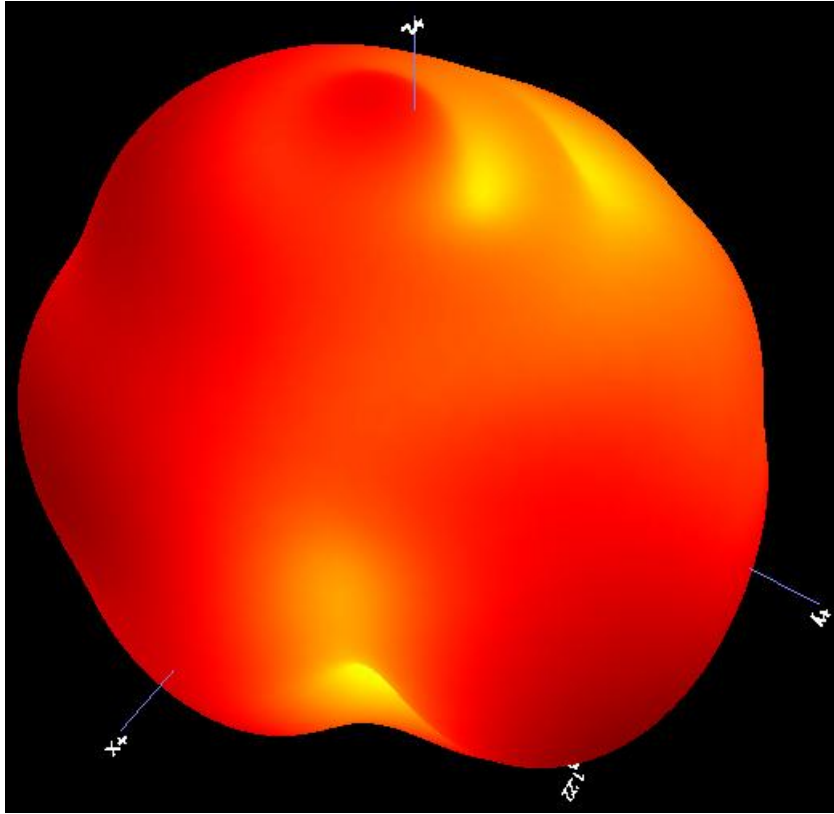
3.3 3D Polar Plot



2402MHz



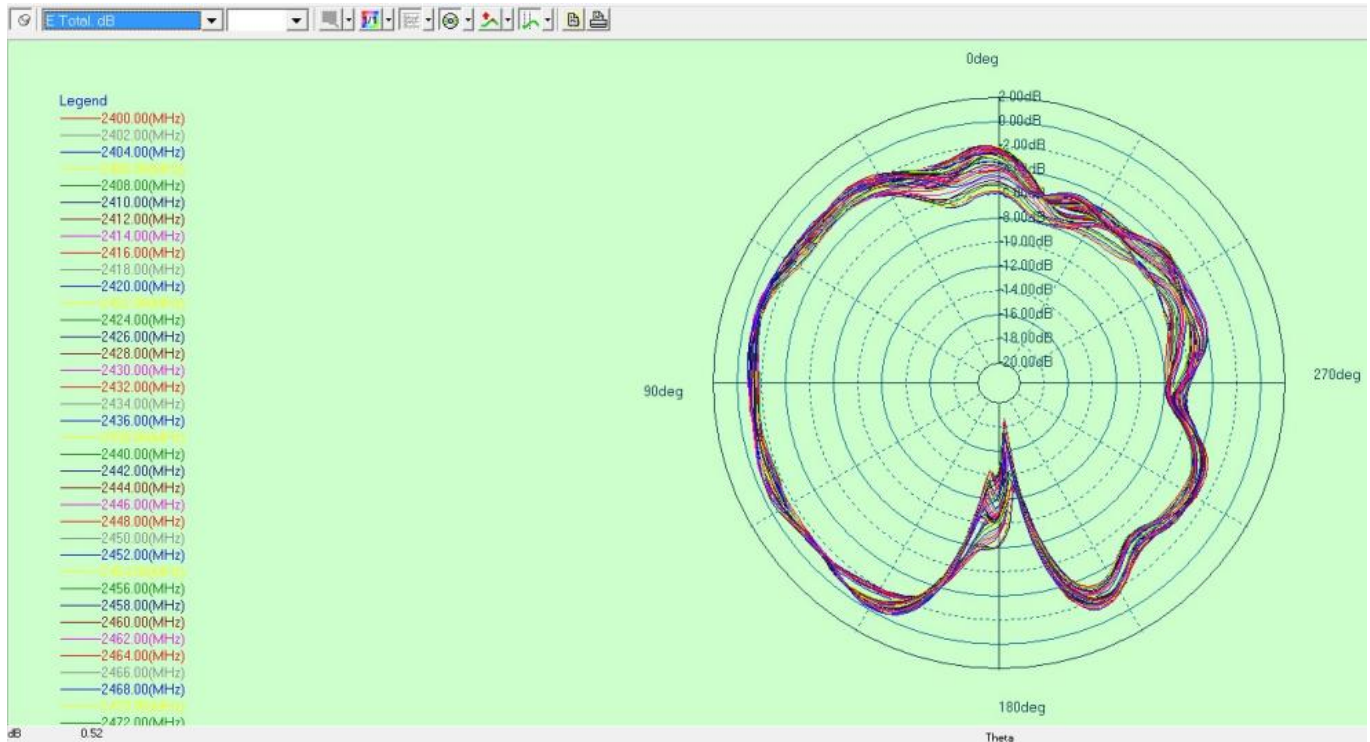
2440MHz



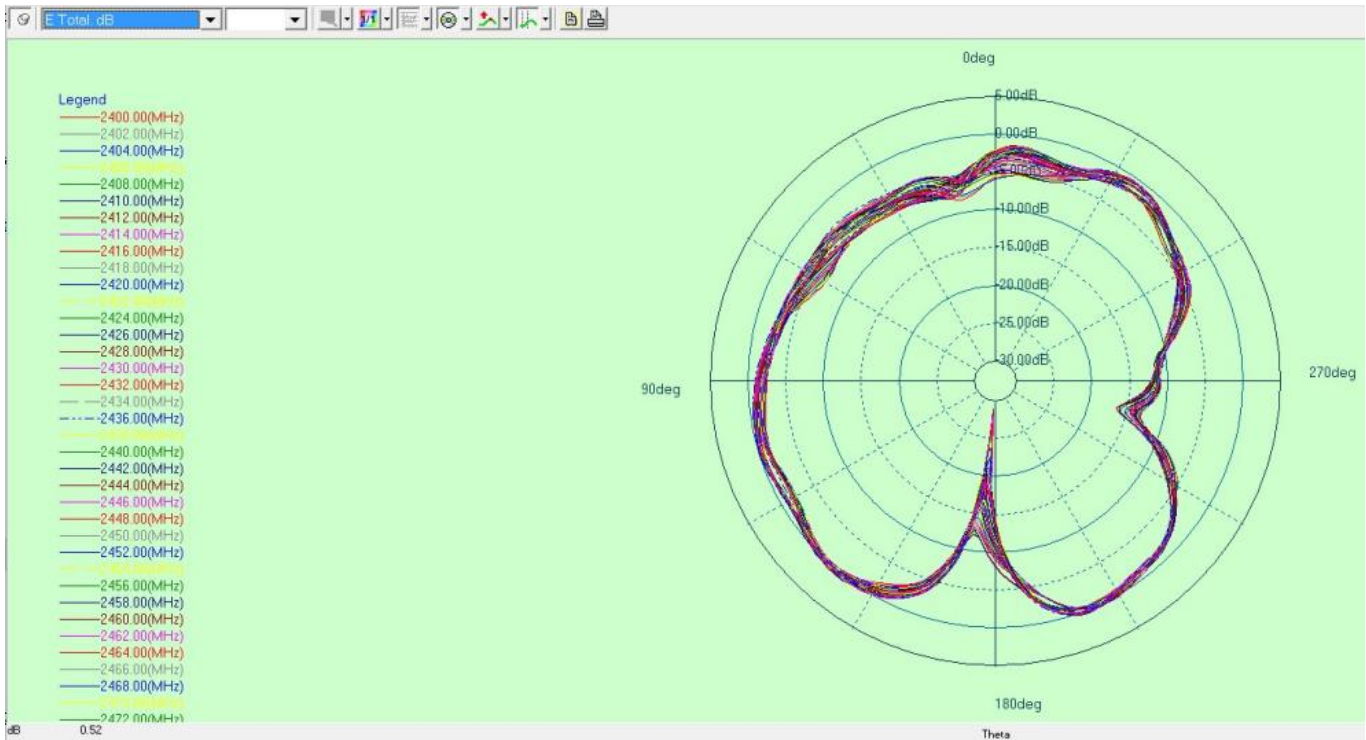
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



(2) E2, YZ Plane, phi=90°



(3) H, XY plane, theta=90°

