

Antenna Coding: ANT-BBNCNC23009

Antenna Type: PCB onboard Antenna

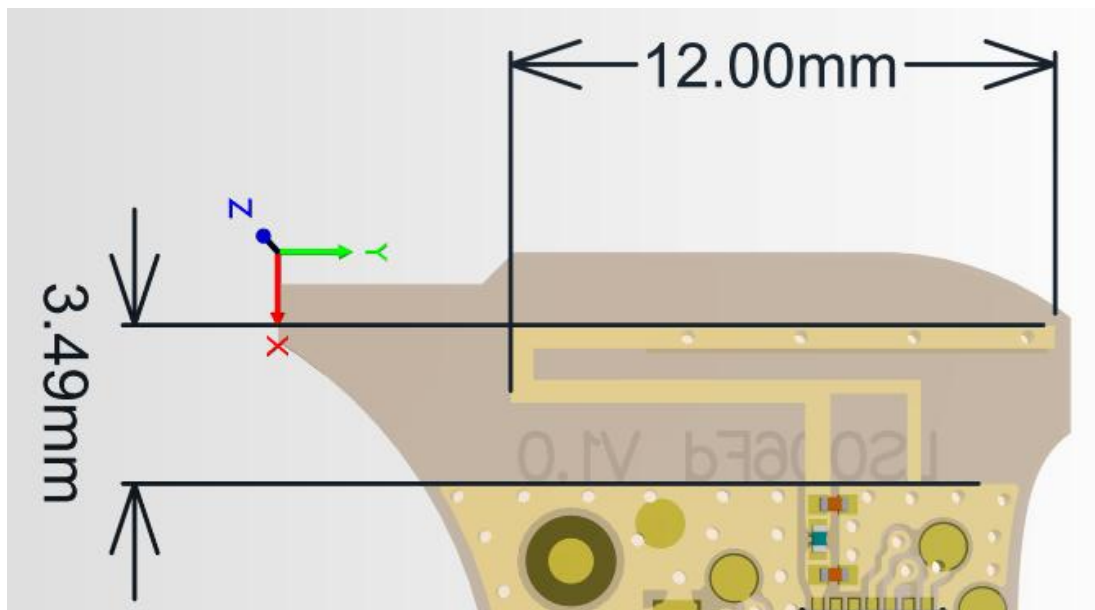
Model of the DUT: MTB01

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

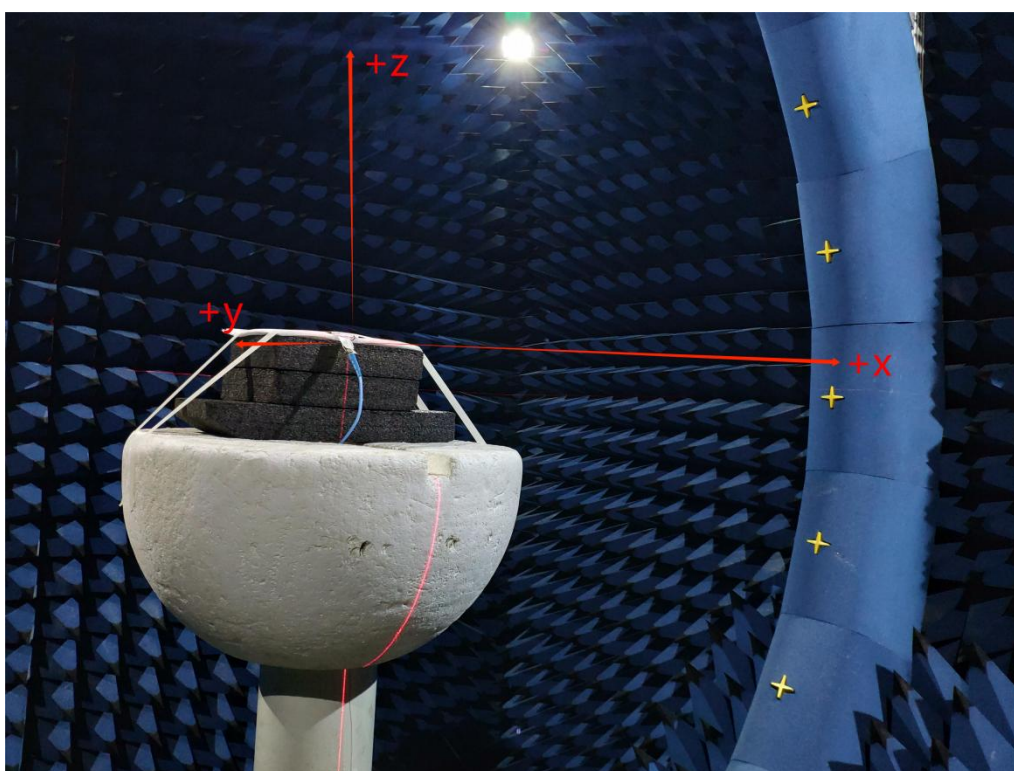
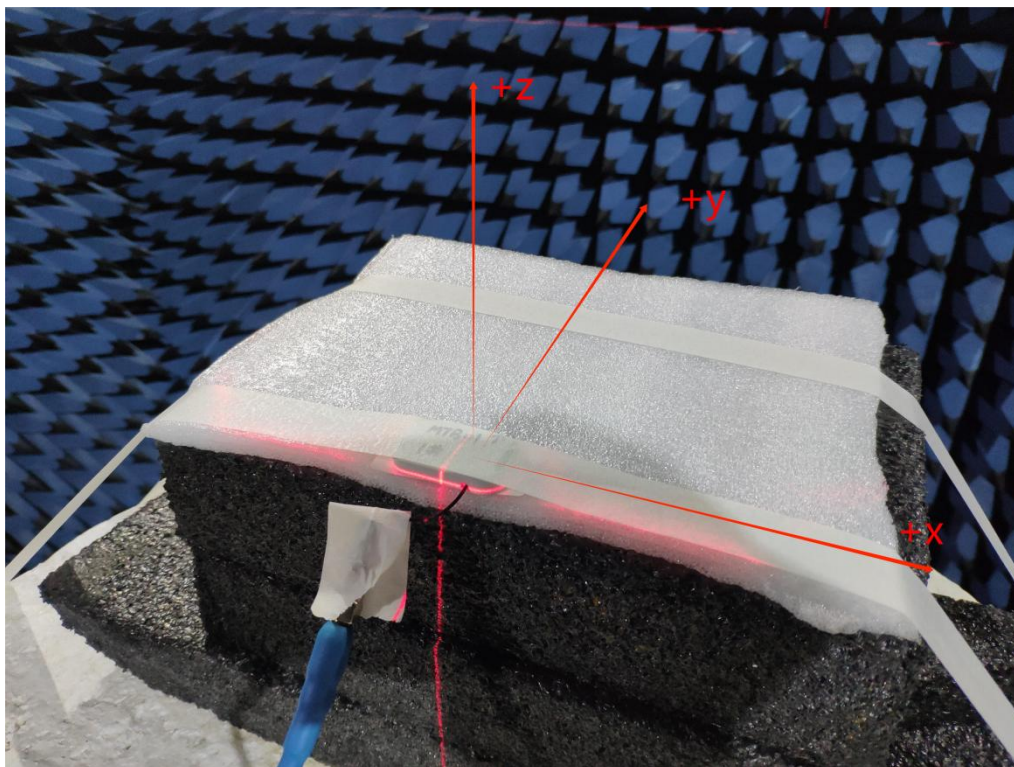
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	0.69
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	12*3.49
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

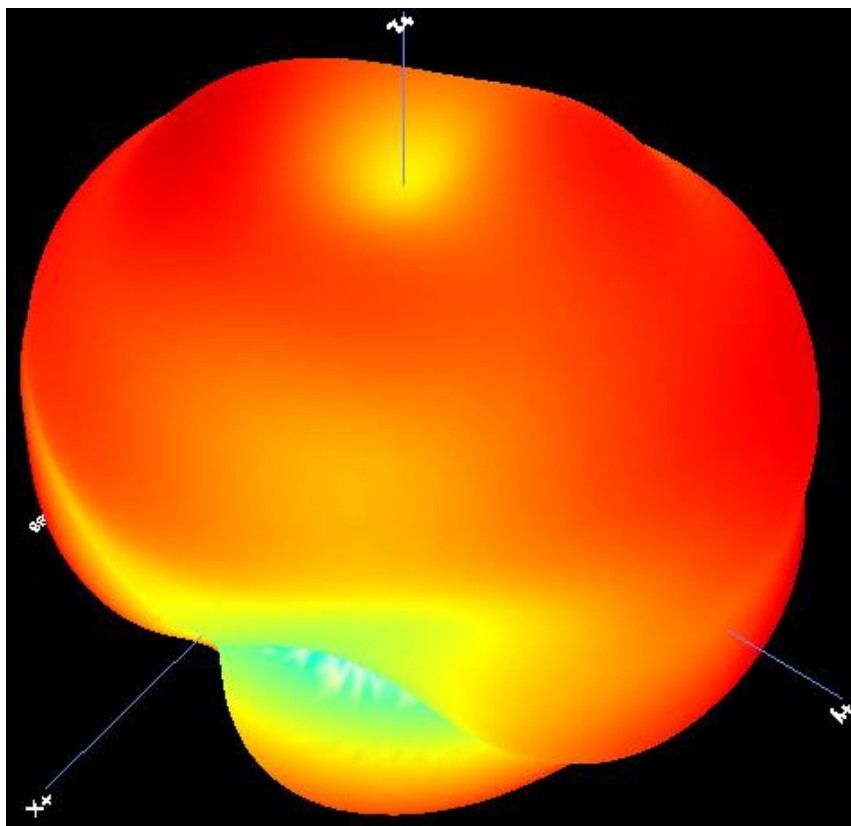
3.1 Test Environment



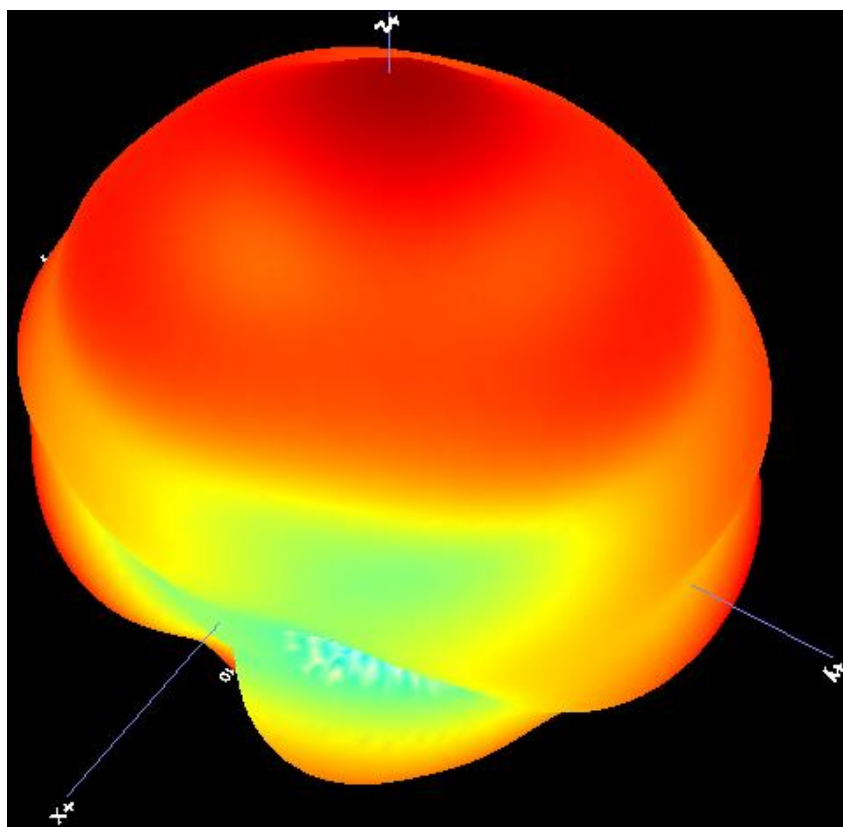
3.2 Gain and Efficiency

EUT型号 备注	MTB01 1#		
Frequency	Gain (dBi)	Efficiency(%)	PeakGain (dBi)
2400MHz	-2.95	23%	0.69
2402MHz	-2.88	24%	
2404MHz	-2.80	24%	
2406MHz	-2.79	24%	
2408MHz	-2.72	25%	
2410MHz	-2.62	25%	
2412MHz	-2.49	25%	
2414MHz	-2.34	26%	
2416MHz	-2.11	26%	
2418MHz	-1.96	27%	
2420MHz	-1.83	27%	
2422MHz	-1.74	28%	
2424MHz	-1.65	28%	
2426MHz	-1.40	28%	
2428MHz	-1.35	29%	
2430MHz	-1.30	29%	
2432MHz	-1.24	29%	
2434MHz	-1.19	30%	
2436MHz	-1.18	30%	
2438MHz	-1.16	30%	
2440MHz	-1.10	31%	
2442MHz	-1.01	31%	
2444MHz	-0.95	32%	
2446MHz	-0.74	33%	
2448MHz	-0.65	33%	
2450MHz	-0.57	34%	
2452MHz	-0.48	35%	
2454MHz	-0.40	35%	
2456MHz	-0.30	36%	
2458MHz	-0.21	36%	
2460MHz	-0.12	37%	
2462MHz	-0.05	37%	
2464MHz	0.04	38%	
2466MHz	0.05	38%	
2468MHz	0.15	39%	
2470MHz	0.22	39%	
2472MHz	0.31	39%	
2474MHz	0.40	40%	
2476MHz	0.52	40%	
2478MHz	0.61	41%	
2480MHz	0.69	41%	

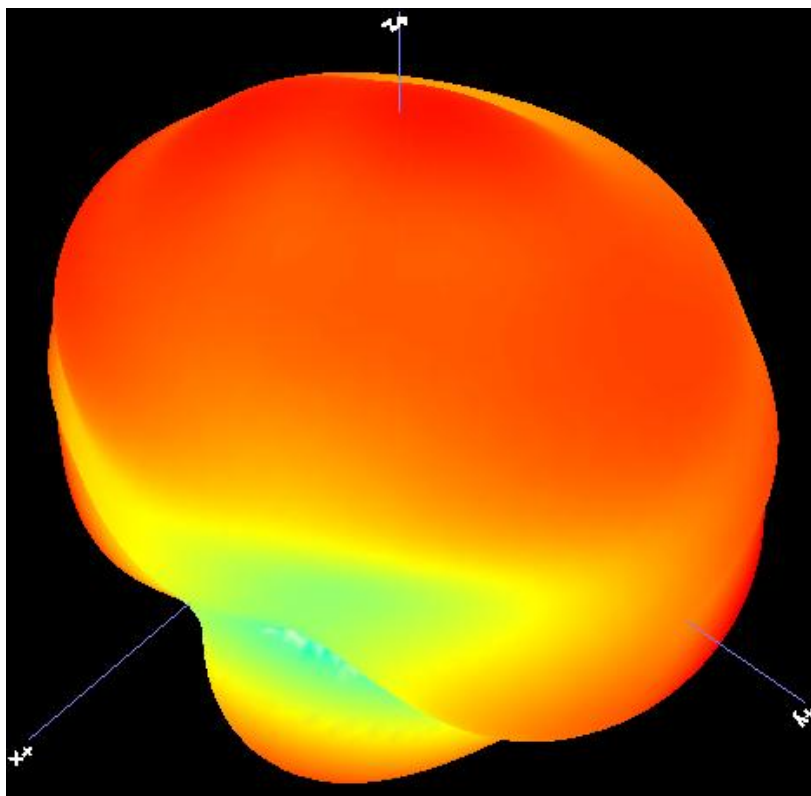
3.3 3D Polar Plot



2402MHz



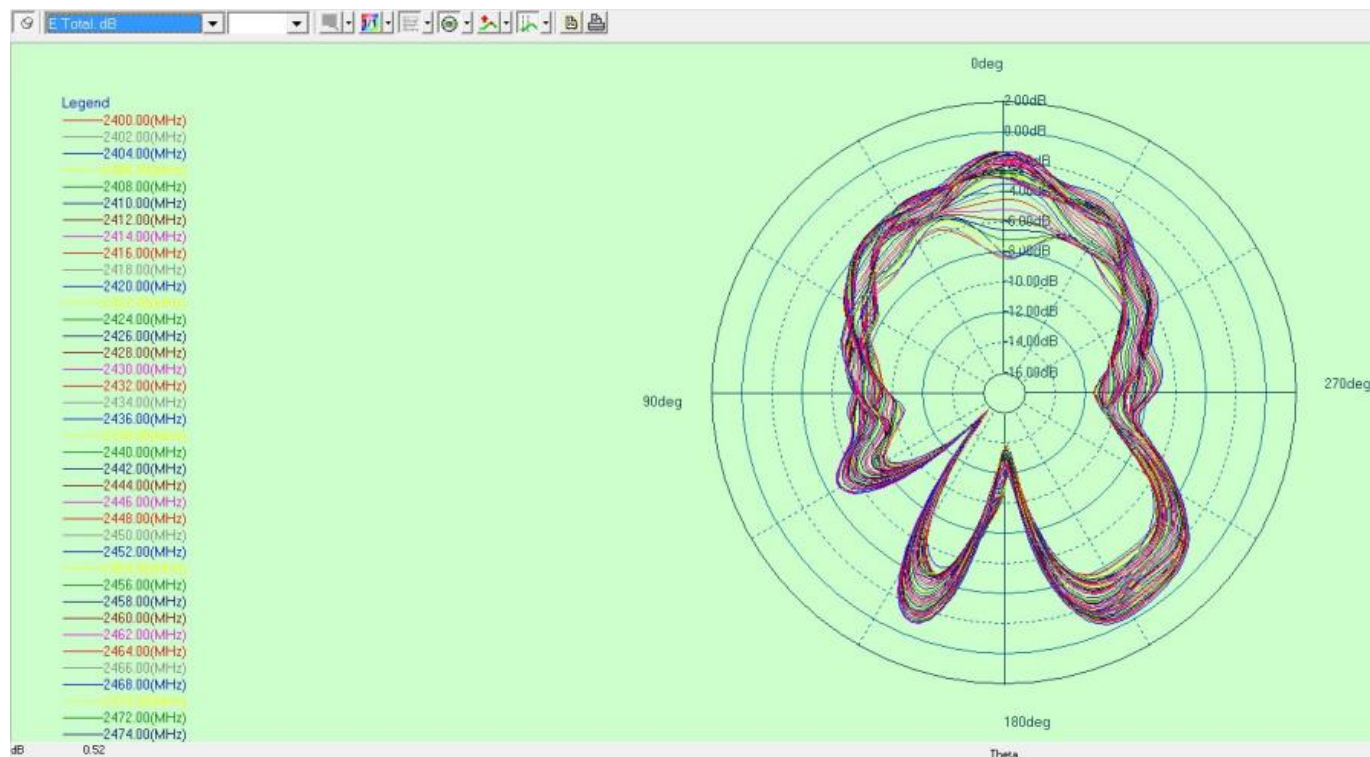
2440MHz



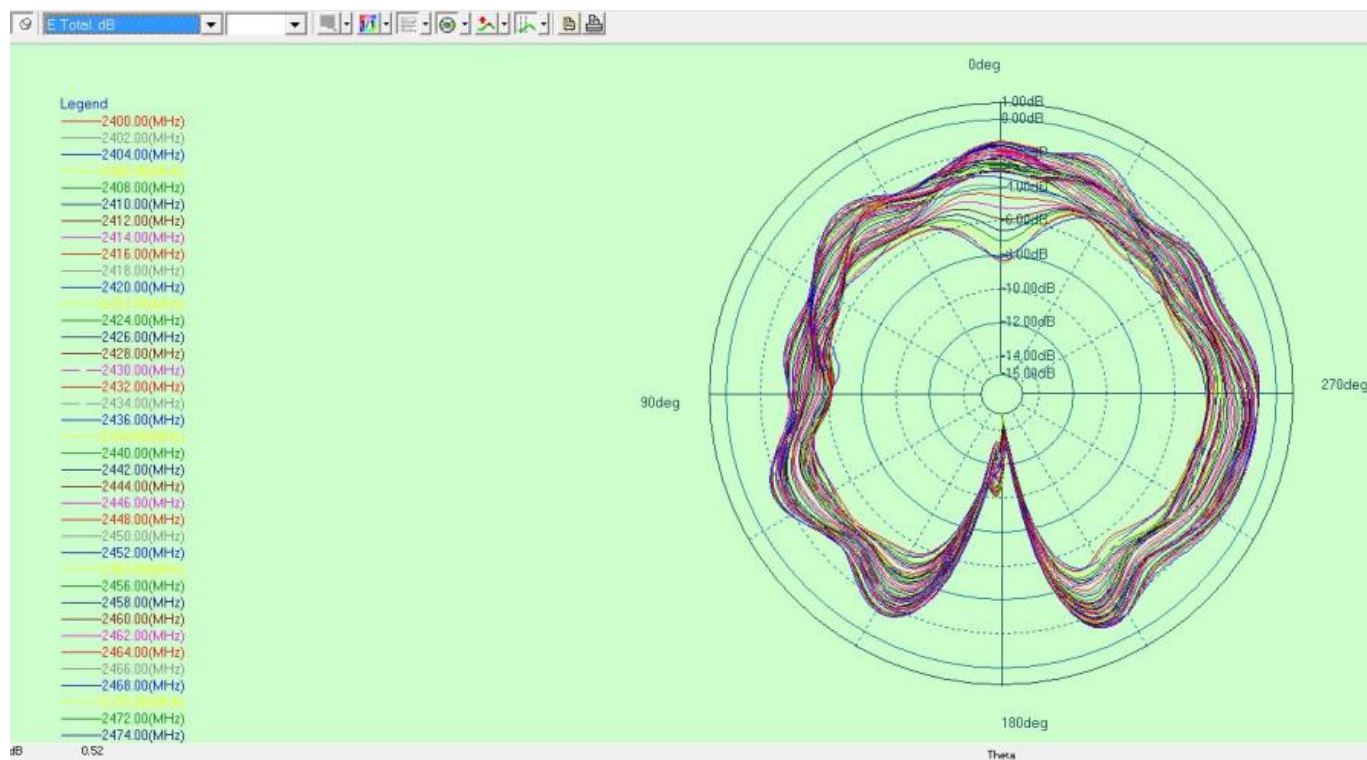
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

