

Antenna Coding: ANT-BFIL10023023

Antenna Type: FPC Antenna

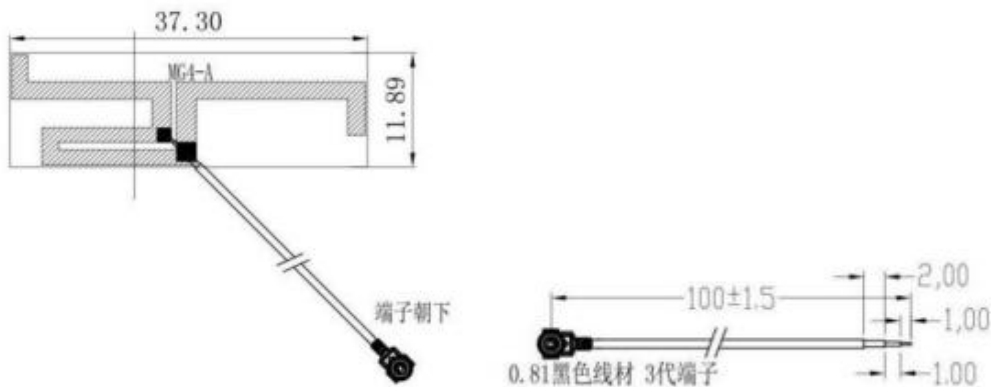
Model of the DUT: MG4

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

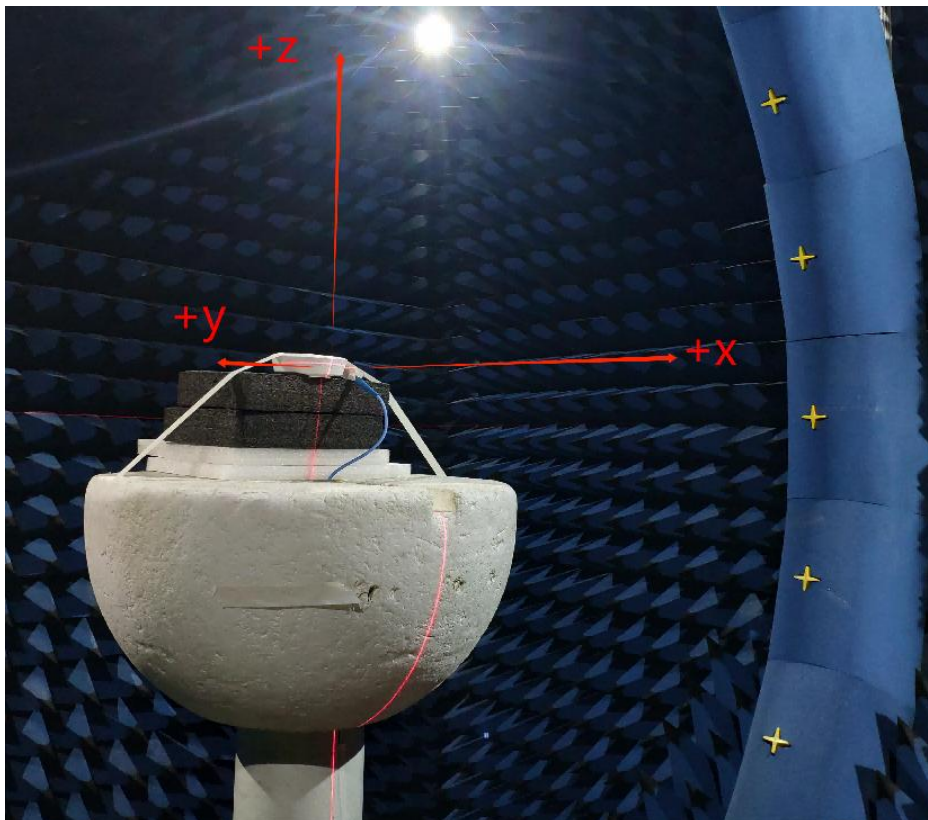
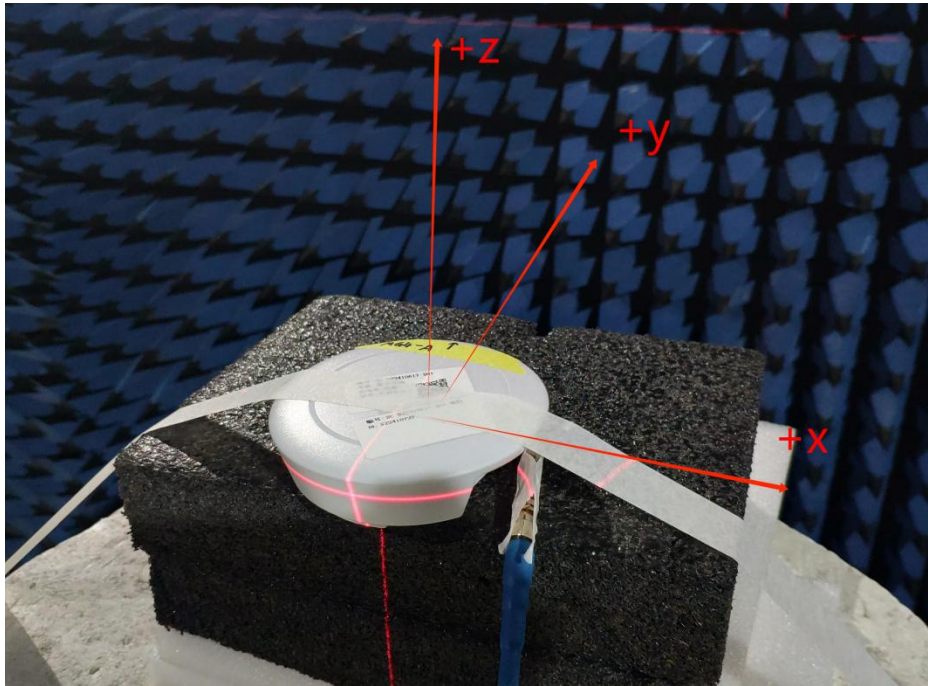
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	5.13
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	37.3*11.89
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

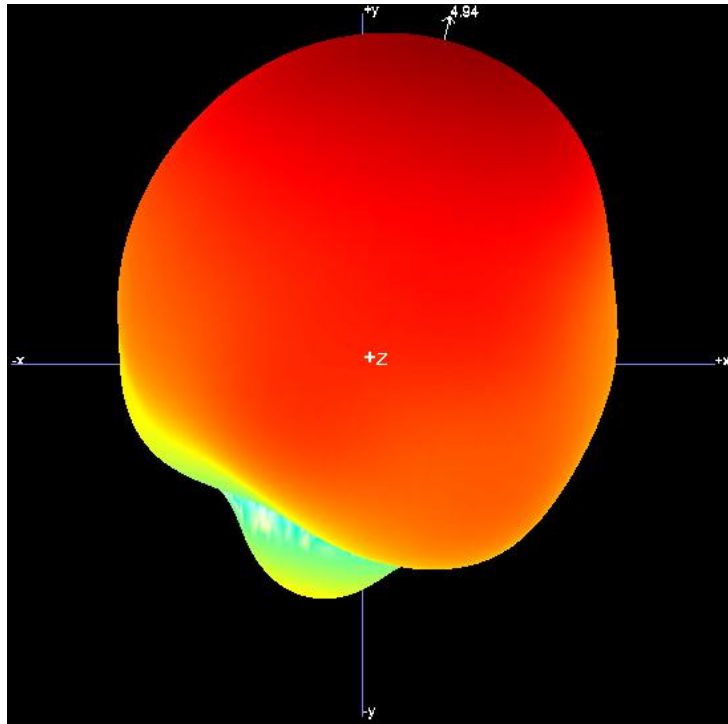
3.1 Test Environment



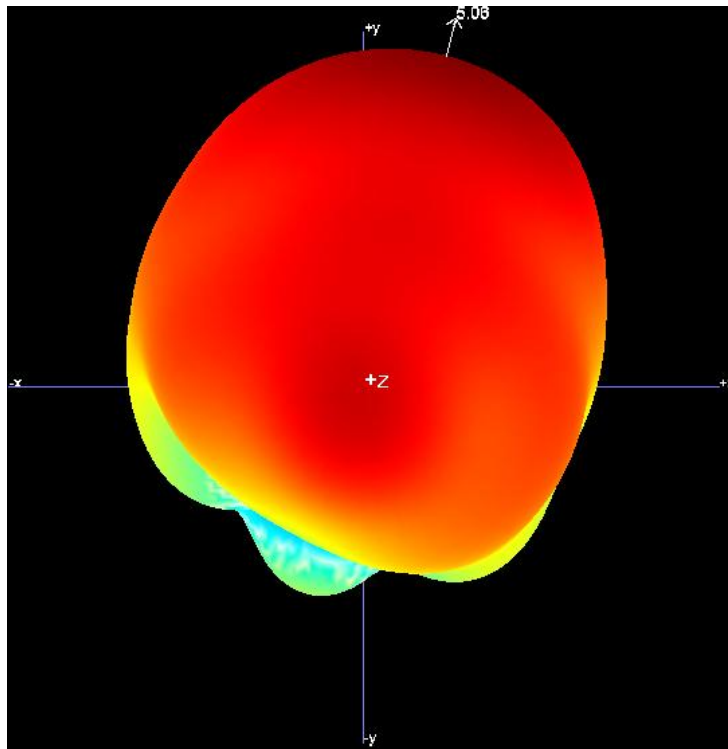
3.2 Gain and Efficiency

Frequency	Gain (dBi)	Efficiency(%)	PeakGain
2400MHz	4.90	82%	5.13
2402MHz	4.94	83%	
2404MHz	4.96	83%	
2406MHz	4.96	83%	
2408MHz	5.00	84%	
2410MHz	5.01	84%	
2412MHz	5.01	85%	
2414MHz	5.00	85%	
2416MHz	4.96	85%	
2418MHz	4.95	86%	
2420MHz	4.92	85%	
2422MHz	4.92	86%	
2424MHz	4.91	86%	
2426MHz	4.84	86%	
2428MHz	4.84	86%	
2430MHz	4.82	86%	
2432MHz	4.81	86%	
2434MHz	4.82	87%	
2436MHz	4.99	88%	
2438MHz	5.02	87%	
2440MHz	5.06	88%	
2442MHz	5.10	88%	
2444MHz	5.12	88%	
2446MHz	5.12	88%	
2448MHz	5.11	87%	
2450MHz	5.09	87%	
2452MHz	5.09	87%	
2454MHz	5.07	87%	
2456MHz	5.07	87%	
2458MHz	5.08	87%	
2460MHz	5.11	87%	
2462MHz	5.12	87%	
2464MHz	5.13	87%	
2466MHz	5.01	87%	
2468MHz	5.03	87%	
2470MHz	5.01	87%	
2472MHz	5.01	87%	
2474MHz	5.02	88%	
2476MHz	4.99	88%	
2478MHz	5.00	88%	
2480MHz	5.01	88%	

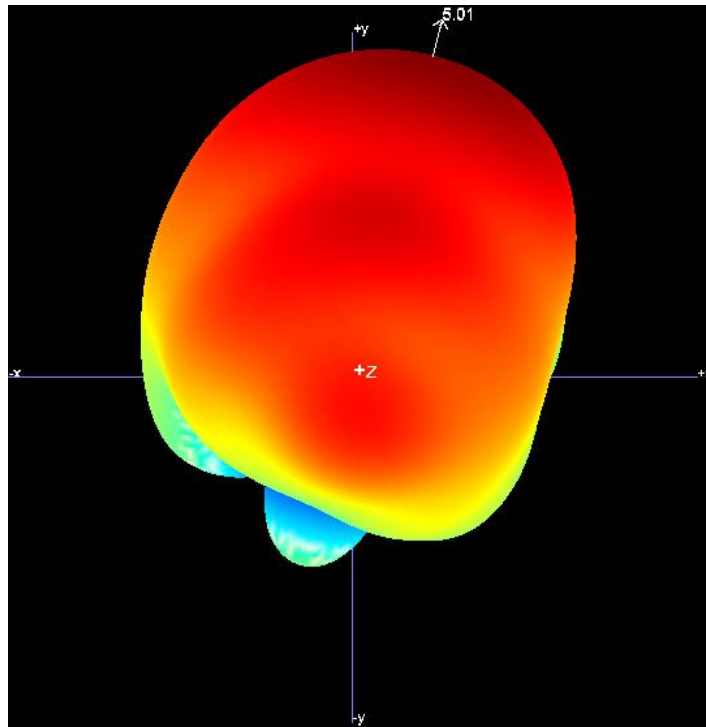
3.3 3D Polar Plot



2402MHz



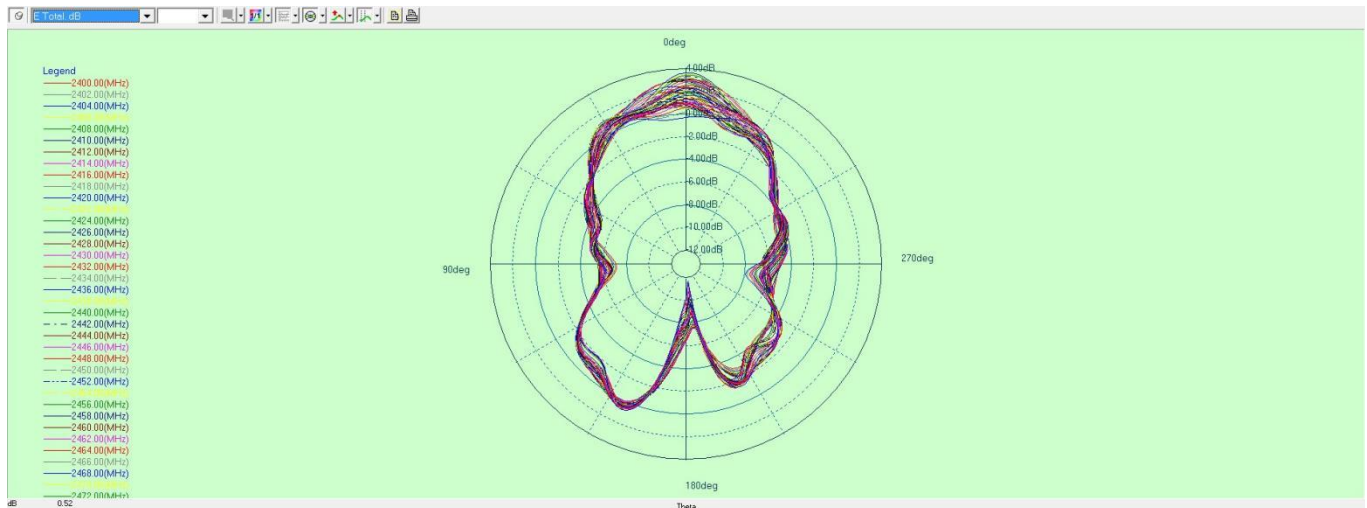
2440MHz



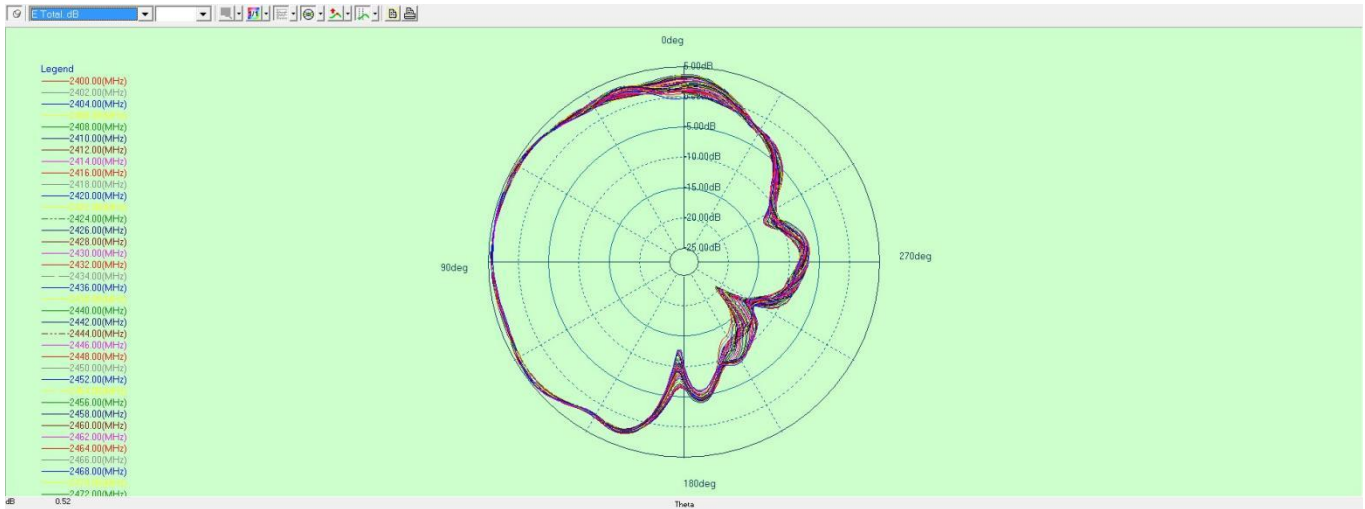
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

