

Antenna Coding: ANT-2G4-03M\_5

Antenna Type: PCB onboard Antenna

Model of the DUT: C10

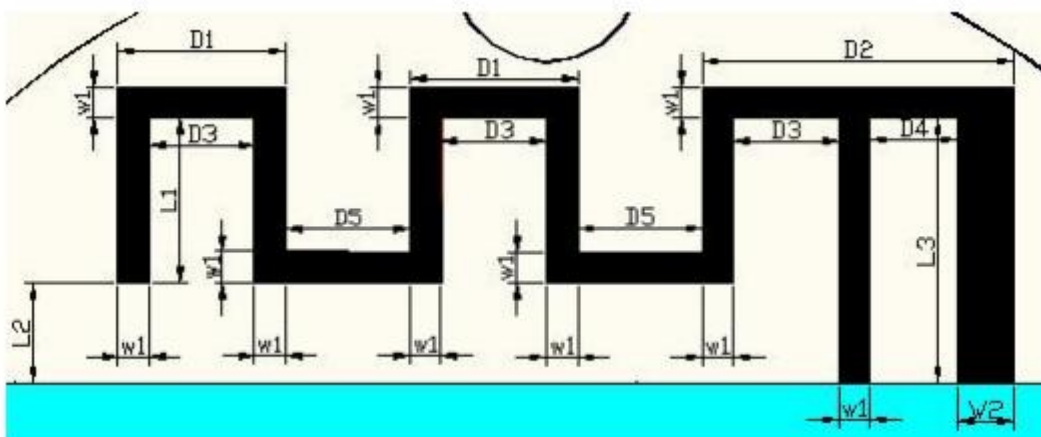
Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

Address: No.8, Qinglong Road, Longhua District, Shenzhen, China

## 1、Technical Specification

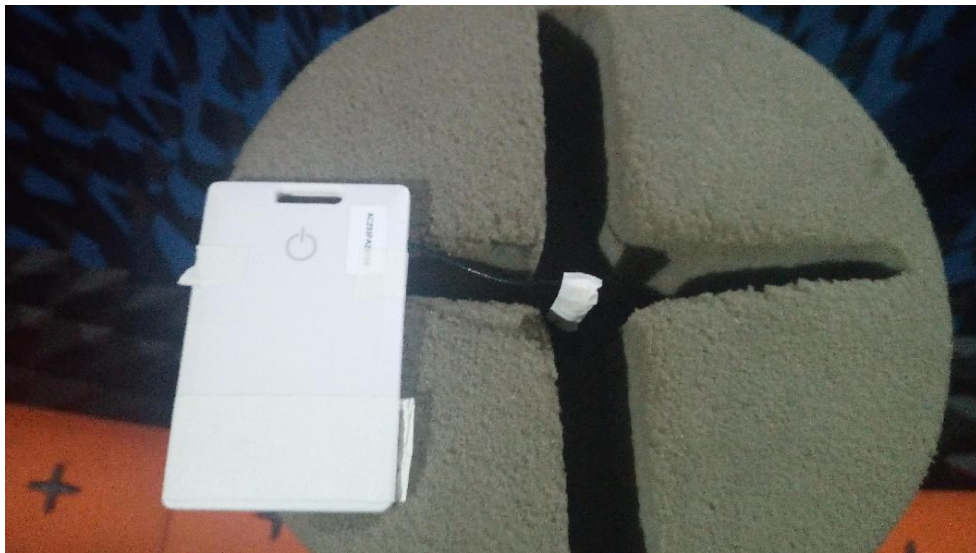
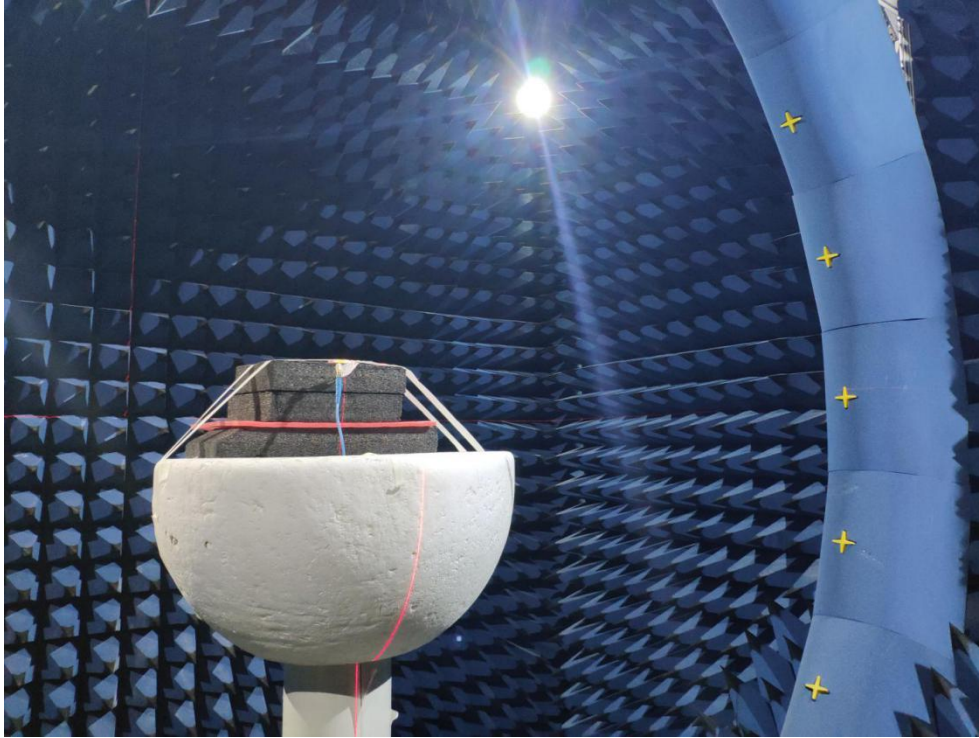
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance ( $\Omega$ )	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-0.62
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	14.4*4.7
Radiator	Cuprum

## 2、The shape and size of the antenna



### 3、 The result of the test

#### 3.1 Test Environment

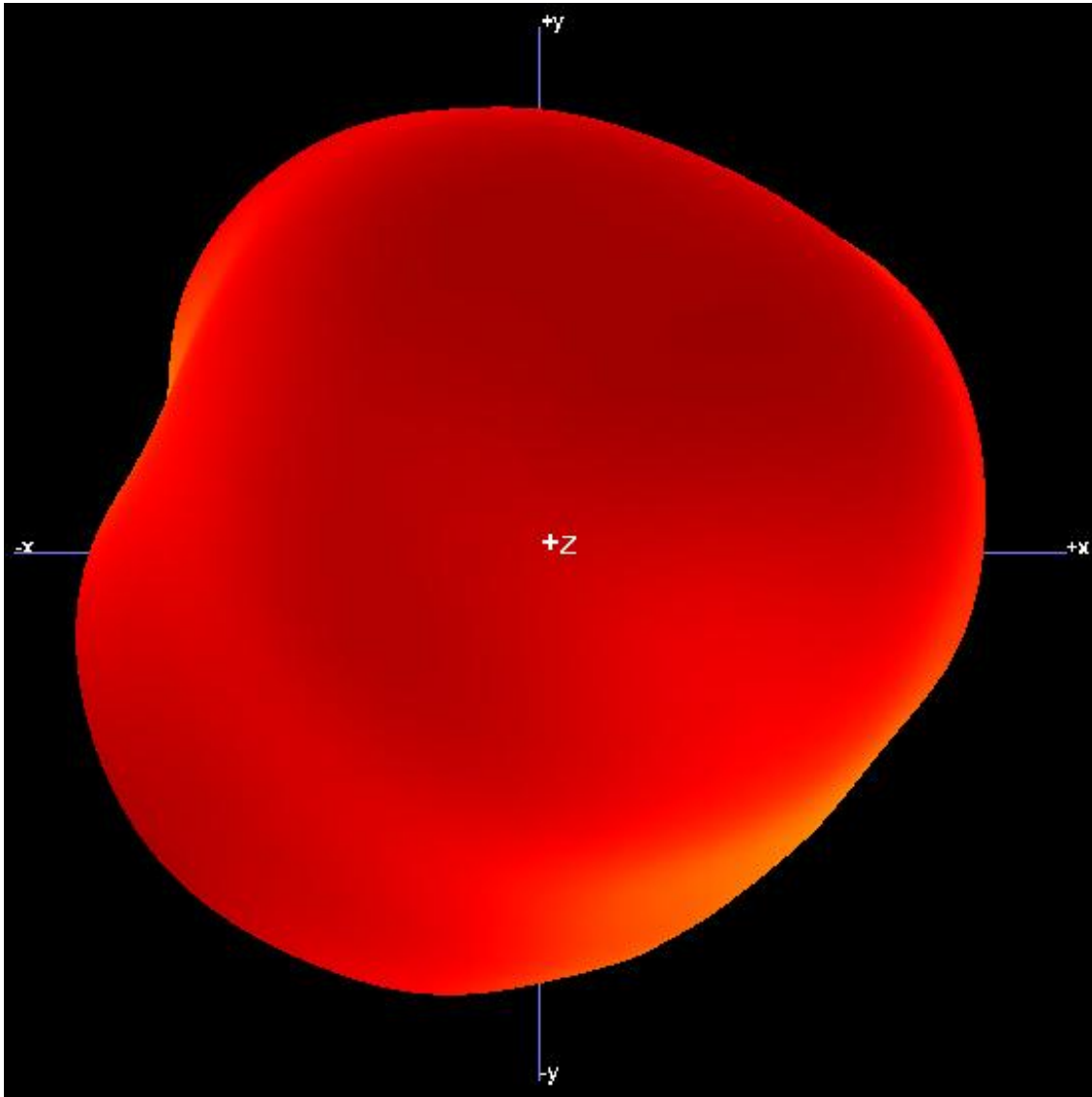




### 3.2 Gain and Efficiency

Frequency	Efficiency	Gain. dBi	PeakGain
2400000000	21.37%	-1.93	-0.62
2402000000	21.53%	-1.84	
2404000000	21.62%	-1.88	
2406000000	21.76%	-1.85	
2408000000	22.09%	-1.64	
2410000000	22.64%	-1.41	
2412000000	23.18%	-1.33	
2414000000	23.52%	-1.33	
2416000000	23.69%	-1.28	
2418000000	23.84%	-1.14	
2420000000	24.00%	-1.05	
2422000000	24.18%	-1.17	
2424000000	24.32%	-1.31	
2426000000	24.56%	-1.30	
2428000000	25.11%	-1.19	
2430000000	25.91%	-1.11	
2432000000	26.47%	-1.22	
2434000000	26.82%	-1.37	
2436000000	27.00%	-1.40	
2438000000	27.25%	-1.38	
2440000000	27.53%	-1.47	
2442000000	27.75%	-1.60	
2444000000	27.83%	-1.67	
2446000000	28.02%	-1.60	
2448000000	28.54%	-1.48	
2450000000	29.22%	-1.51	
2452000000	29.91%	-1.58	
2454000000	30.35%	-1.43	
2456000000	30.73%	-1.37	
2458000000	31.19%	-1.38	
2460000000	31.62%	-1.38	
2462000000	31.89%	-1.35	
2464000000	32.05%	-1.35	
2466000000	32.42%	-1.37	
2468000000	33.05%	-1.24	
2470000000	33.76%	-0.92	
2472000000	33.99%	-0.90	
2474000000	34.10%	-1.05	
2476000000	34.38%	-0.98	
2478000000	34.89%	-0.83	
2480000000	35.36%	-0.62	

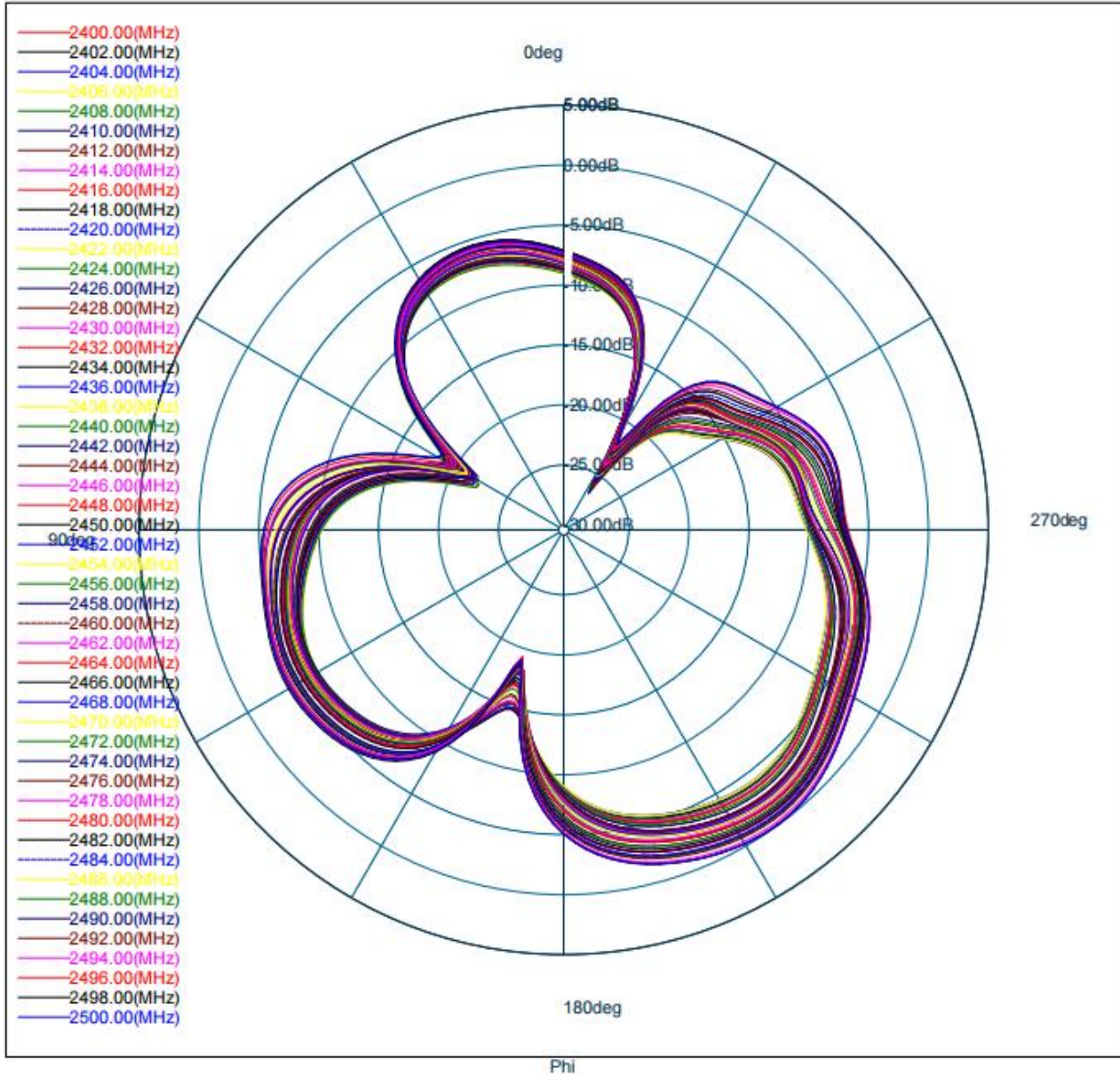
### 3.3 3D Polar Plot



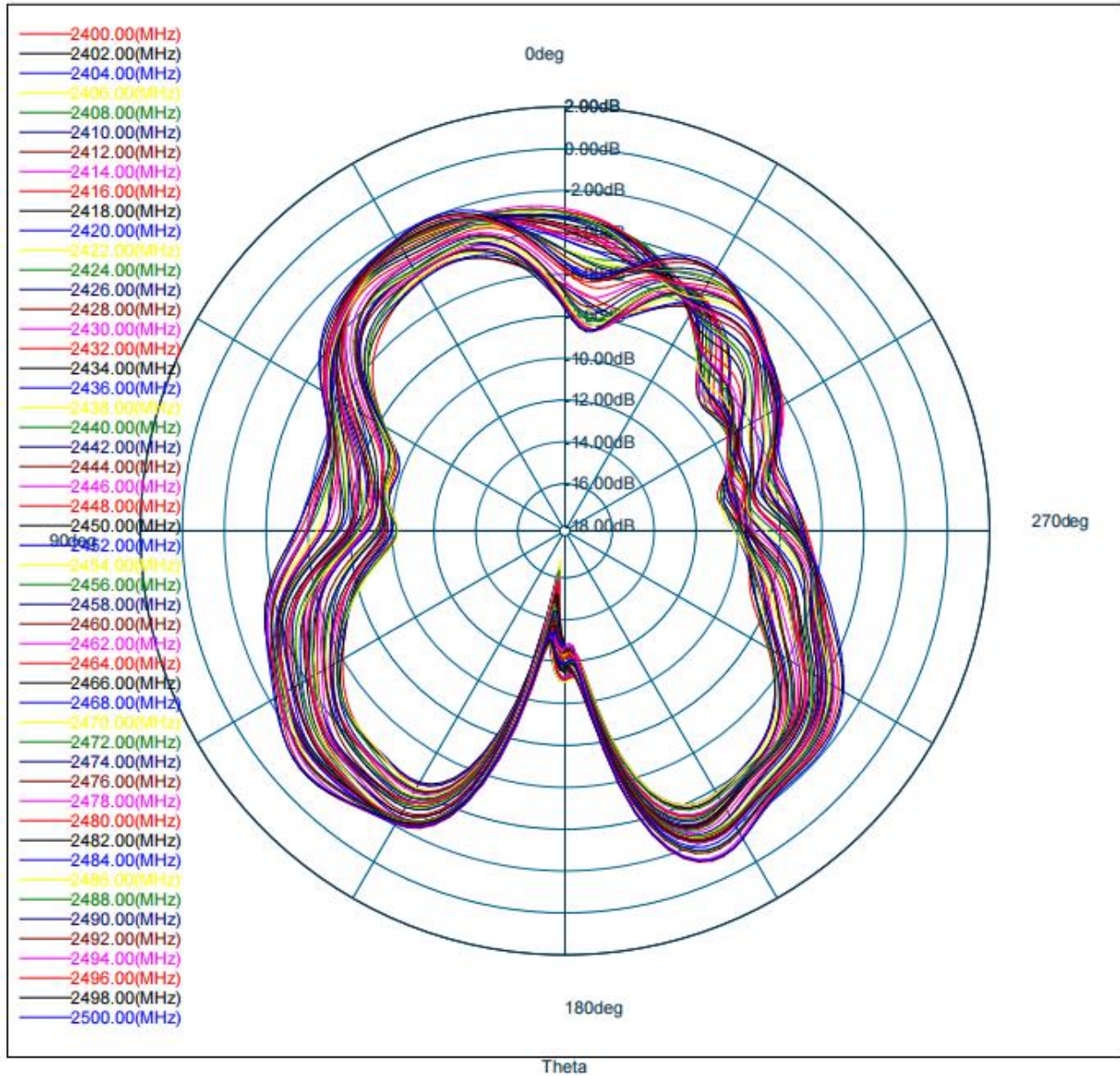
2440MHz

### 3.4 2D Radiation Pattern

#### (1) E1, XZ Plane, phi=0



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



(3) H, XY plane, theta=90°

