



深圳云里物里科技股份有限公司
产品天线测试报告 (The Antenna Test Report)

Y-YB-CR-115

V001

密级: 绝密 /confidentiality

Antenna Coding: ANT-BFI6022026

Antenna Type: FPC Antenna

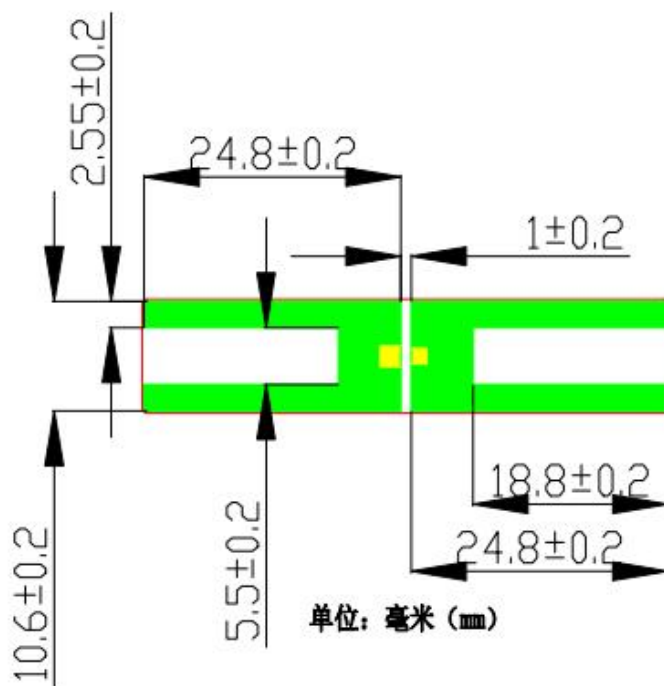
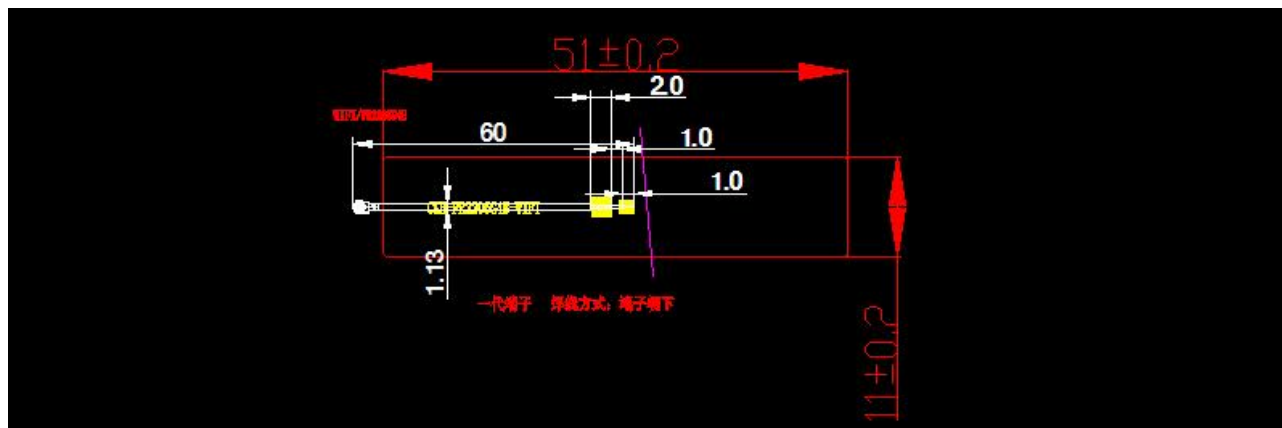
Model of the DUT: MG5

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

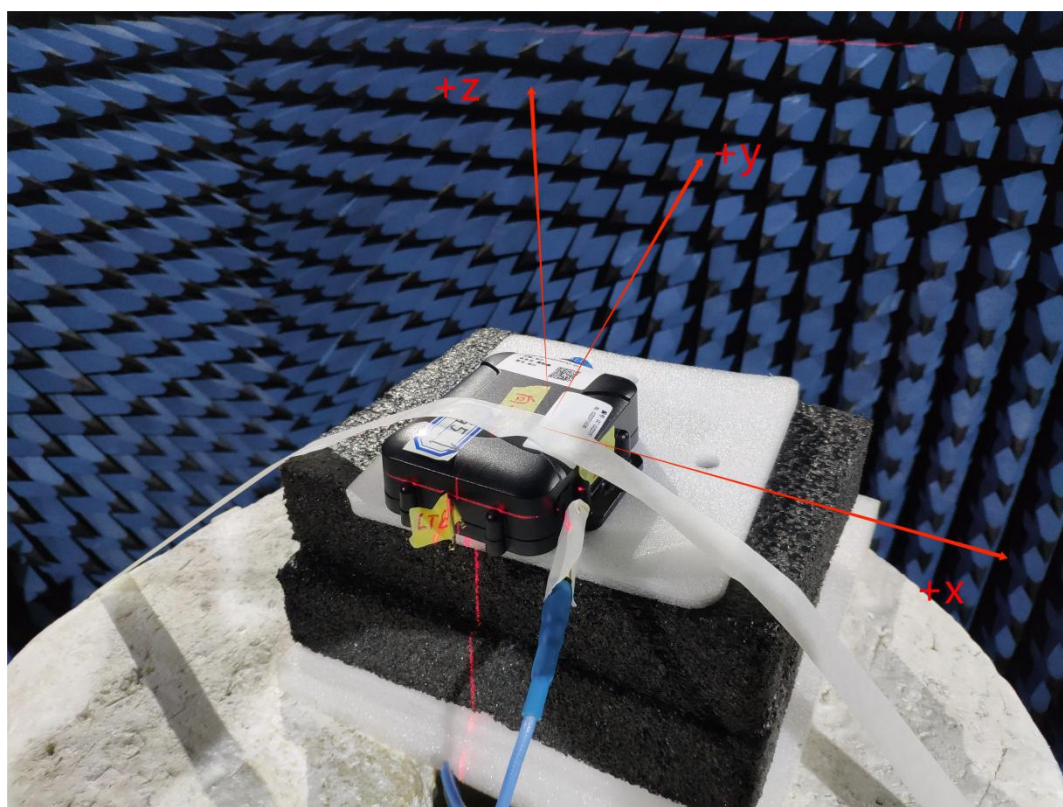
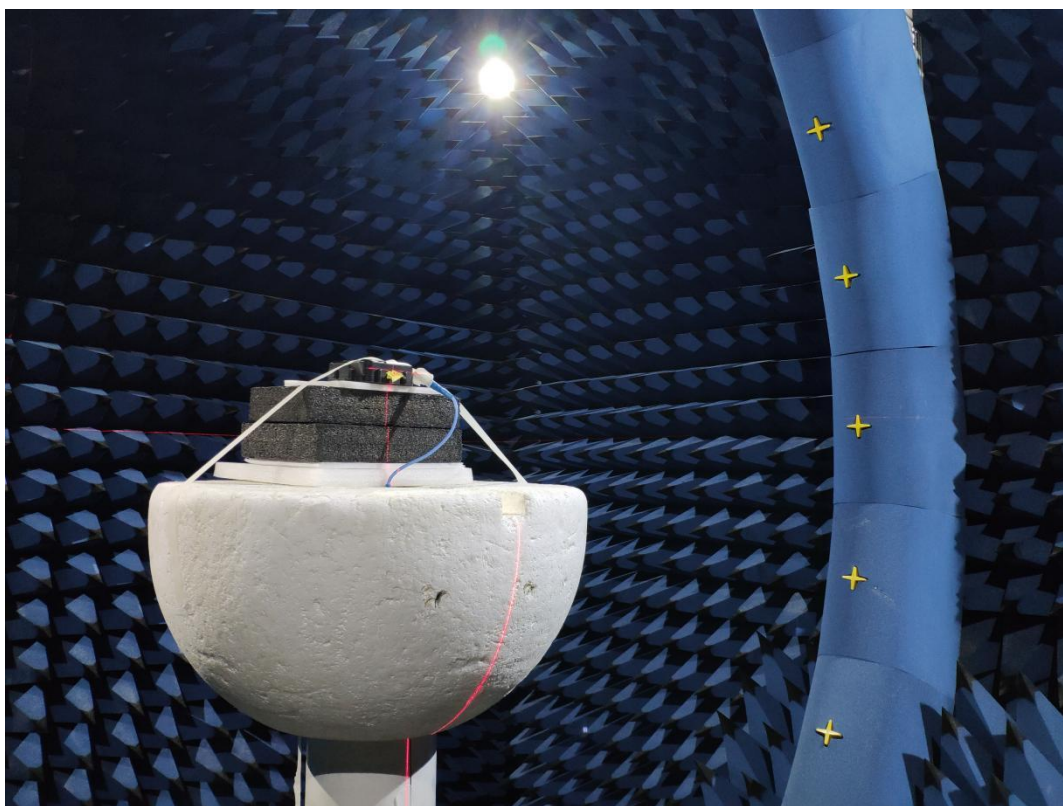
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	3.68
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	51*11
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

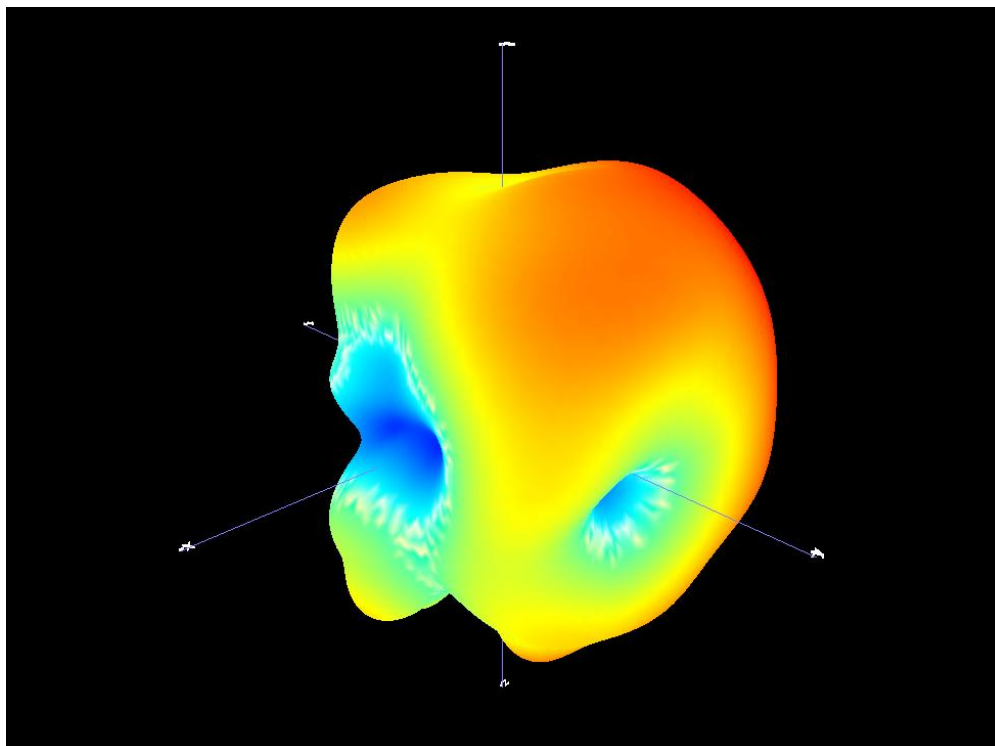
3.1 Test Environment



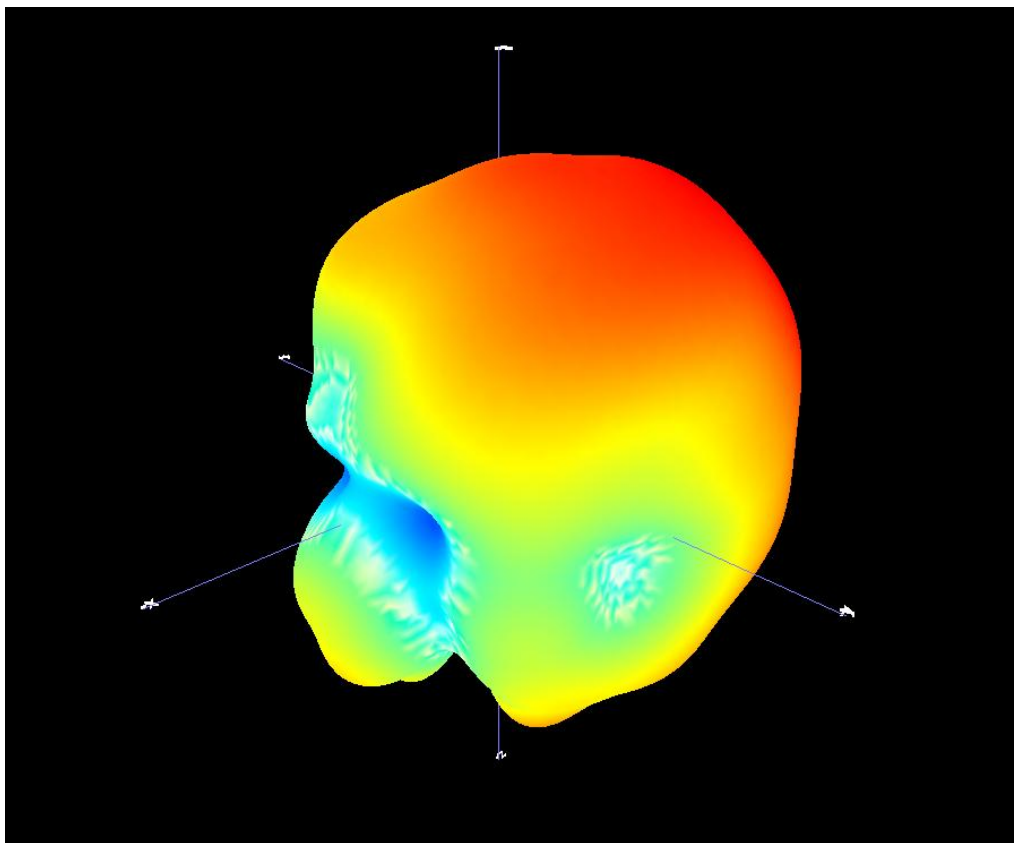
3.2 Gain and Efficiency

样品编号	2#-MG5		
EUT型号	2#-蓝牙		
备注			
Frequency	Gain (dBi)	Efficiency()	PeakGain (dBi)
2400MHz	3.65	61%	3.68
2402MHz	3.67	61%	
2404MHz	3.67	61%	
2406MHz	3.65	61%	
2408MHz	3.66	61%	
2410MHz	3.66	61%	
2412MHz	3.63	61%	
2414MHz	3.60	61%	
2416MHz	3.58	60%	
2418MHz	3.55	59%	
2420MHz	3.51	59%	
2422MHz	3.47	58%	
2424MHz	3.47	58%	
2426MHz	3.62	58%	
2428MHz	3.61	57%	
2430MHz	3.59	57%	
2432MHz	3.64	56%	
2434MHz	3.65	56%	
2436MHz	3.68	57%	
2438MHz	3.64	56%	
2440MHz	3.44	56%	
2442MHz	3.47	57%	
2444MHz	3.49	57%	
2446MHz	3.47	57%	
2448MHz	3.46	57%	
2450MHz	3.44	57%	
2452MHz	3.40	57%	
2454MHz	3.35	56%	
2456MHz	3.36	56%	
2458MHz	3.32	56%	
2460MHz	3.26	55%	
2462MHz	3.20	55%	
2464MHz	3.20	55%	
2466MHz	3.23	55%	
2468MHz	3.19	55%	
2470MHz	3.13	54%	
2472MHz	3.07	54%	
2474MHz	3.04	54%	
2476MHz	2.98	54%	
2478MHz	2.94	54%	
2480MHz	2.91	54%	

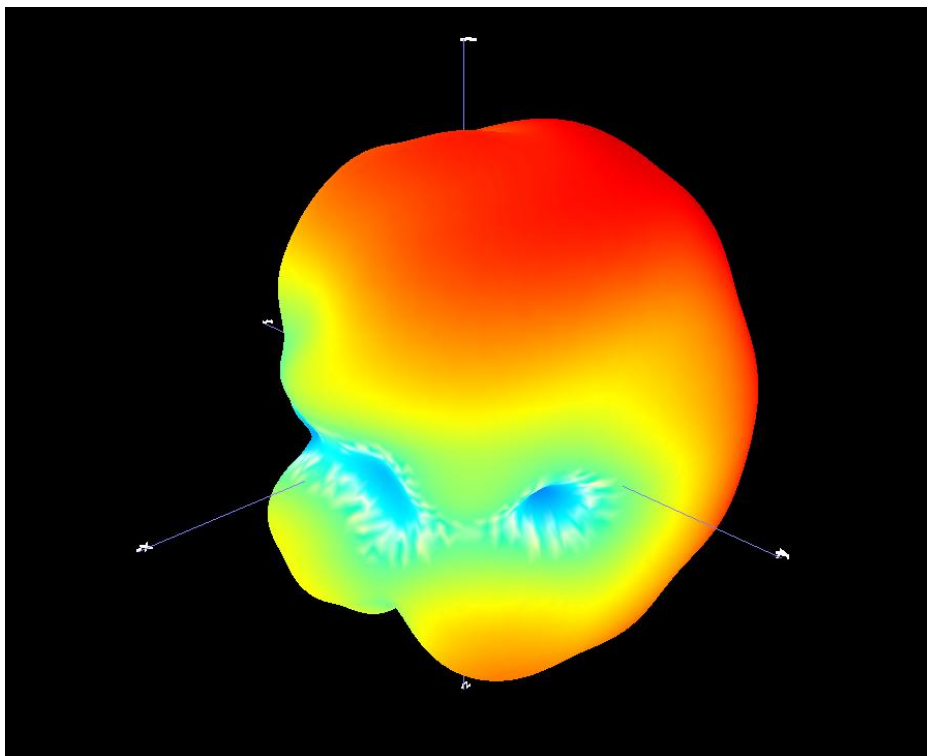
3.3 3D Polar Plot



2402MHz



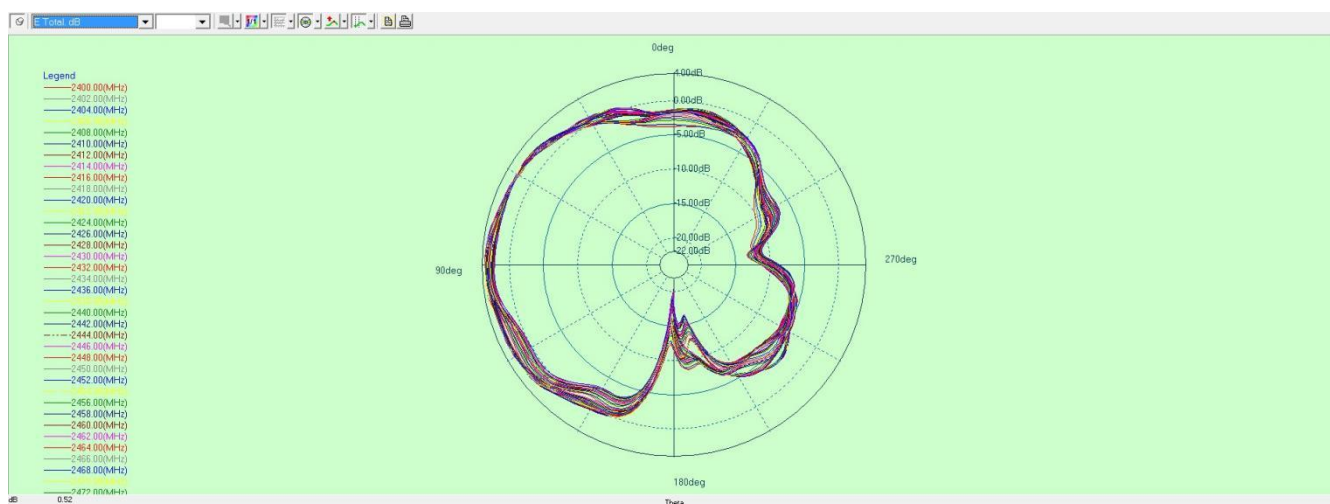
2440MHz



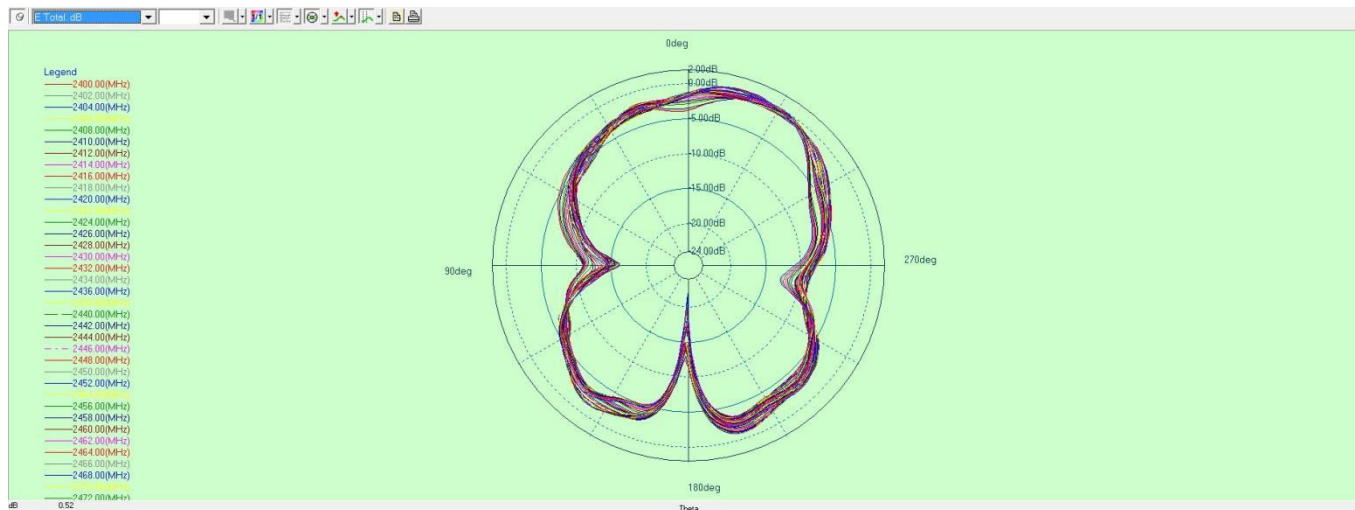
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, $\phi=0$



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



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

