

Antenna Coding: CKH-GDT030-0003

Antenna Type: External Antenna

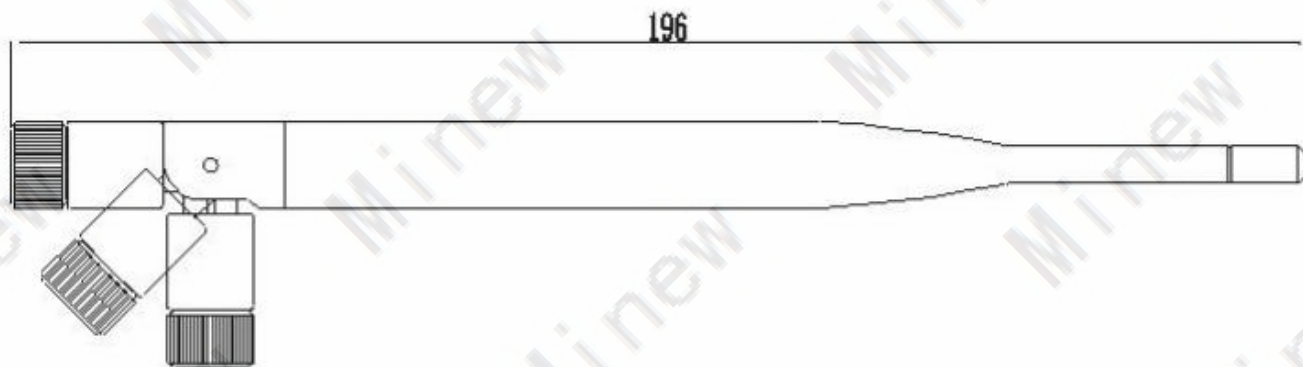
Model of the DUT: MS88SFA8

Antenna Manufacturer: Shenzhen CKH Technologies Co., Ltd.

### 1、Technical Specification

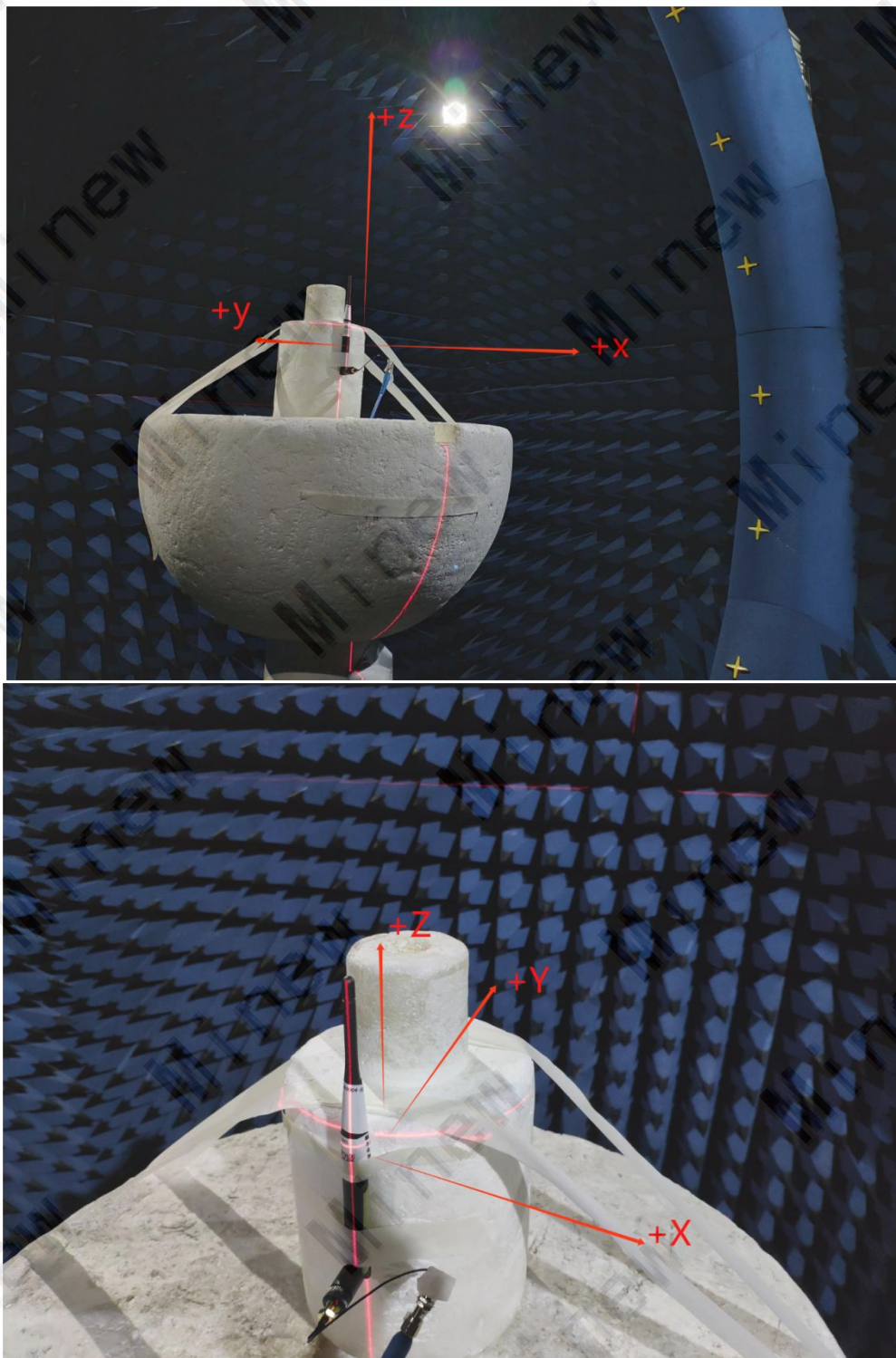
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance ( $\Omega$ )	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	3.29
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	19.6*13
Radiator	Cuprum

### 2、The shape and size of the antenna



### 3、 The result of the test

#### 3.1 Test Environment



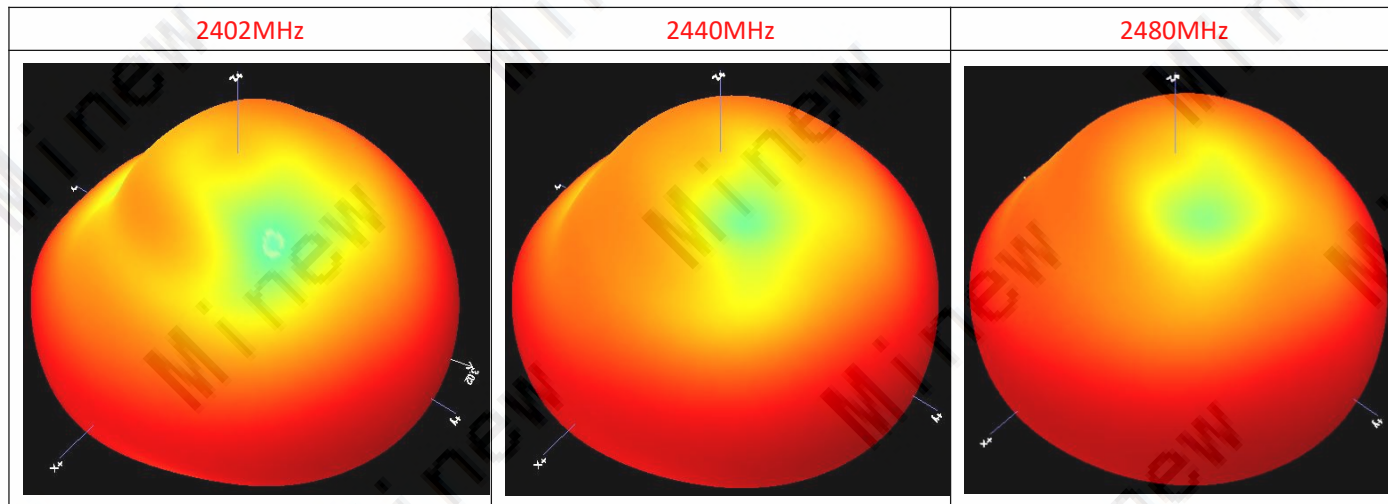


### 3.2 Gain and Efficiency

EUT型号 备注	3#-PC2302M1B 3#		
Frequency	Gain (dBi)	Efficiency(%)	Peak Gain (dBi)
2400MHz	3.03	79%	329
2402MHz	3.02	79%	
2404MHz	3.01	79%	
2406MHz	2.99	79%	
2408MHz	3.02	79%	
2410MHz	3.03	79%	
2412MHz	3.01	79%	
2414MHz	2.99	78%	
2416MHz	3.07	79%	
2418MHz	3.05	79%	
2420MHz	3.01	79%	
2422MHz	2.98	79%	
2424MHz	2.97	79%	
2426MHz	3.04	81%	
2428MHz	3.03	82%	
2430MHz	3.00	82%	
2432MHz	3.01	82%	
2434MHz	3.08	83%	
2436MHz	3.03	83%	
2438MHz	3.04	83%	
2440MHz	3.06	83%	
2442MHz	3.10	84%	
2444MHz	3.10	84%	
2446MHz	3.01	83%	
2448MHz	3.00	83%	
2450MHz	3.01	83%	
2452MHz	3.00	83%	
2454MHz	2.94	83%	
2456MHz	2.95	82%	
2458MHz	2.98	83%	
2460MHz	2.98	82%	
2462MHz	2.96	82%	
2464MHz	2.98	82%	
2466MHz	3.12	84%	
2468MHz	3.16	84%	
2470MHz	3.15	84%	
2472MHz	3.16	84%	
2474MHz	3.22	85%	
2476MHz	3.27	85%	
2478MHz	3.28	86%	
2480MHz	3.29	86%	

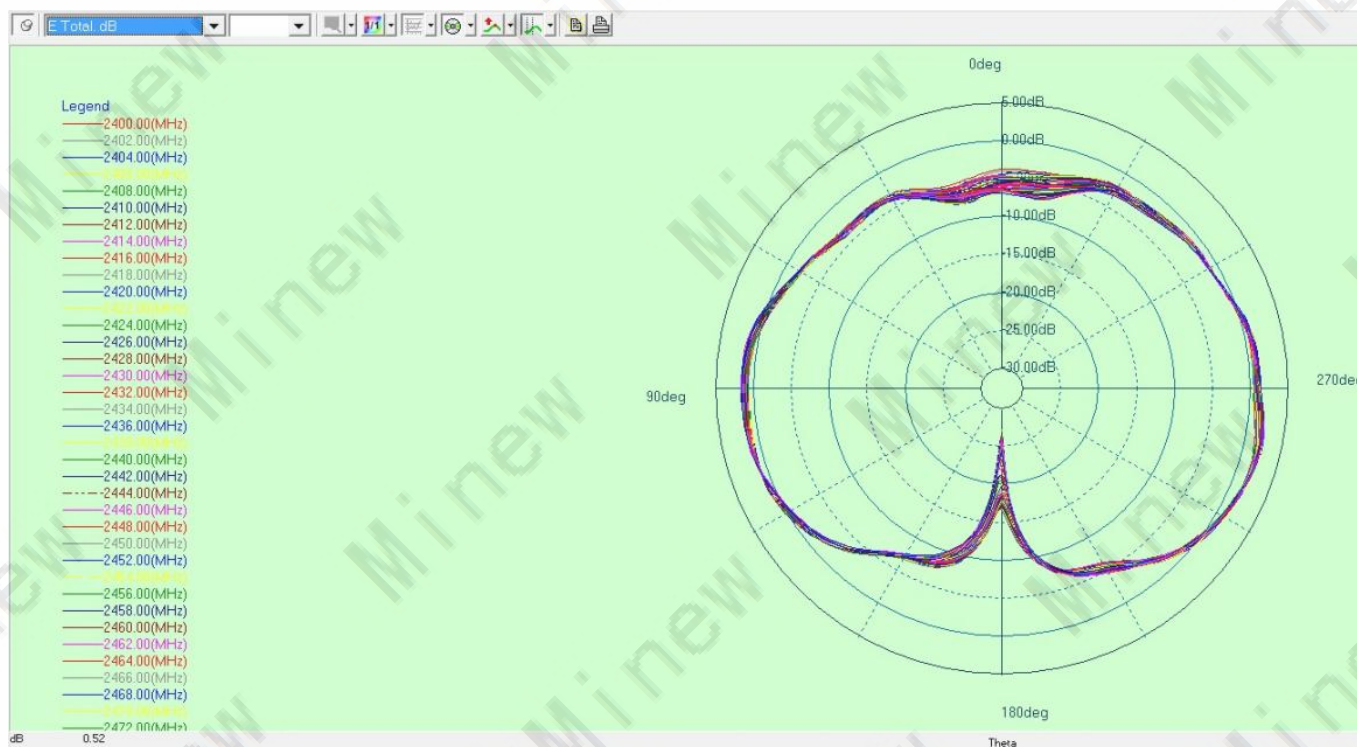
### 3.3 3D Polar Plot

表 3D 方向图

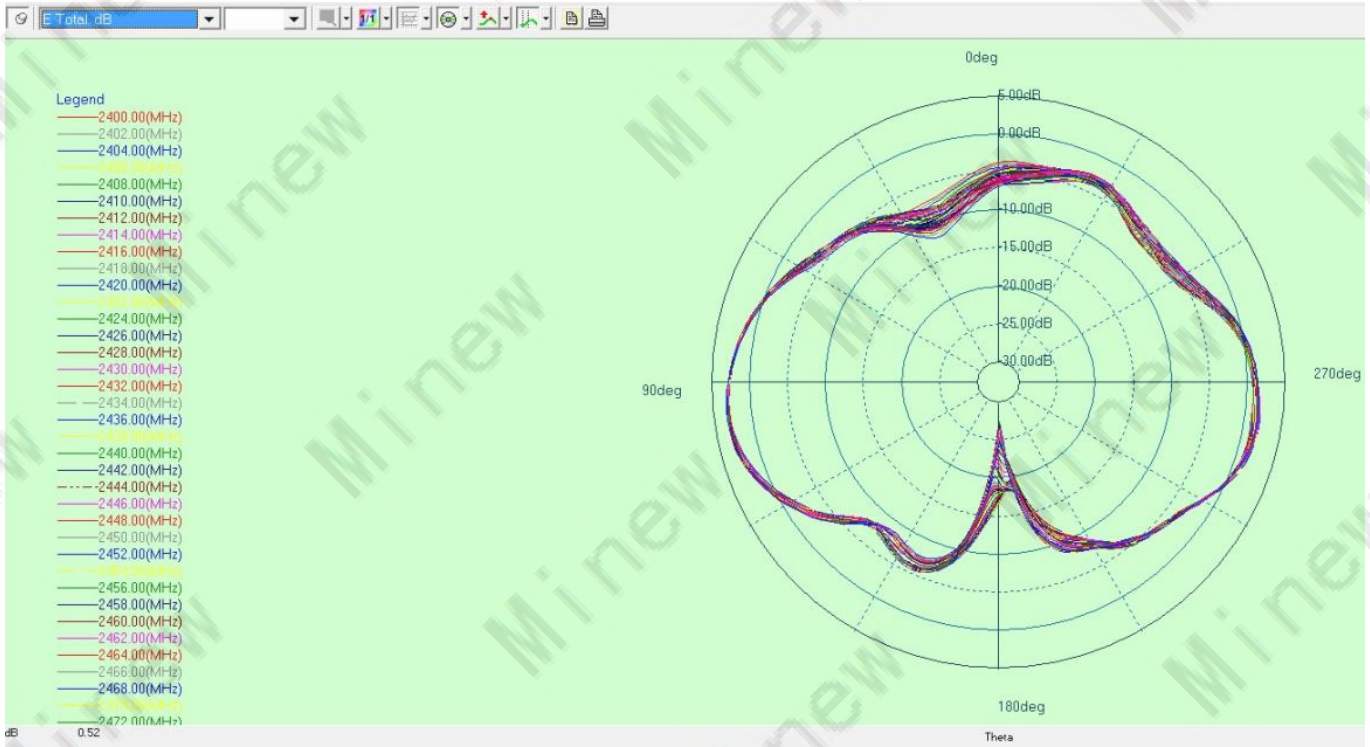


### 3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



(2) E2, YZ Plane, phi=90°



(3) H, XY plane, theta=90°



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产品天线测试报告 (The Antenna Test Report)

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V001

密级: 绝密 /confidentiality

