

Antenna Coding: ANT-BBNCNC24002

Antenna Type: PCB onboard Antenna

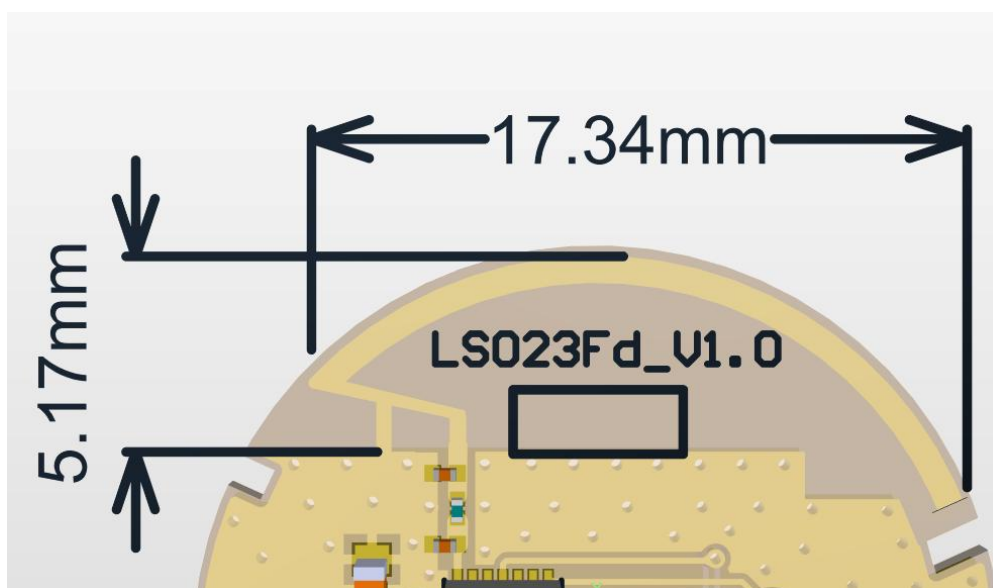
Model of the DUT: I9

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

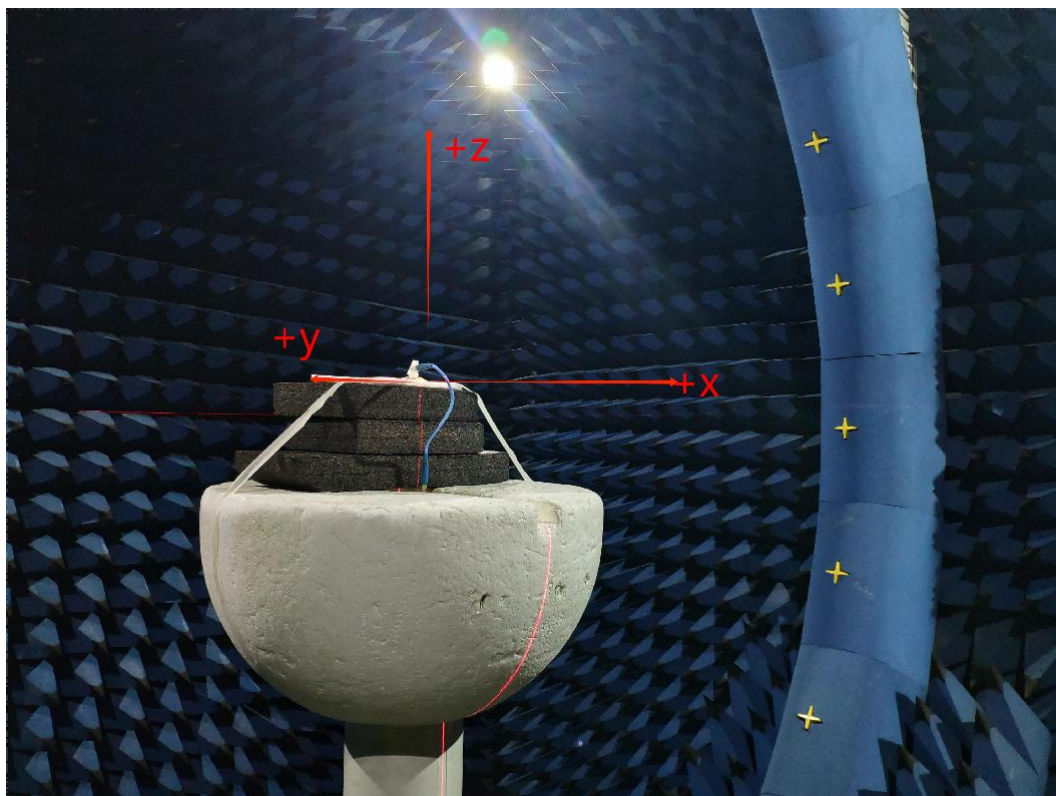
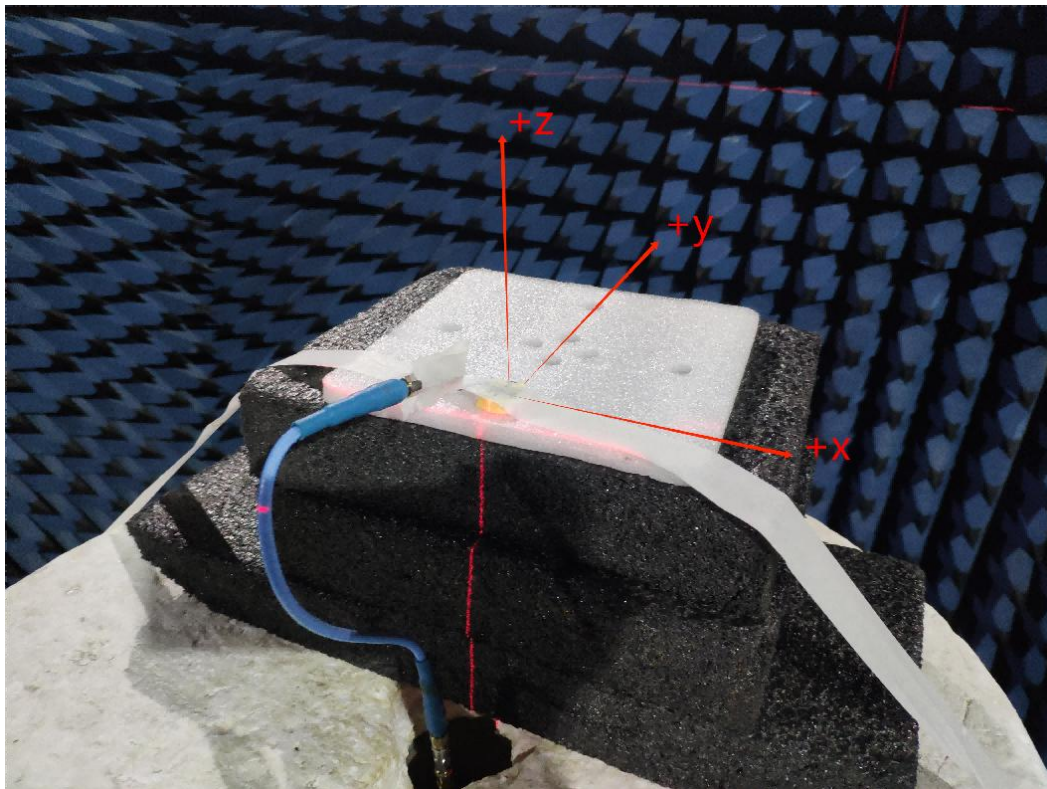
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-2.47
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	17.34*5.17
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

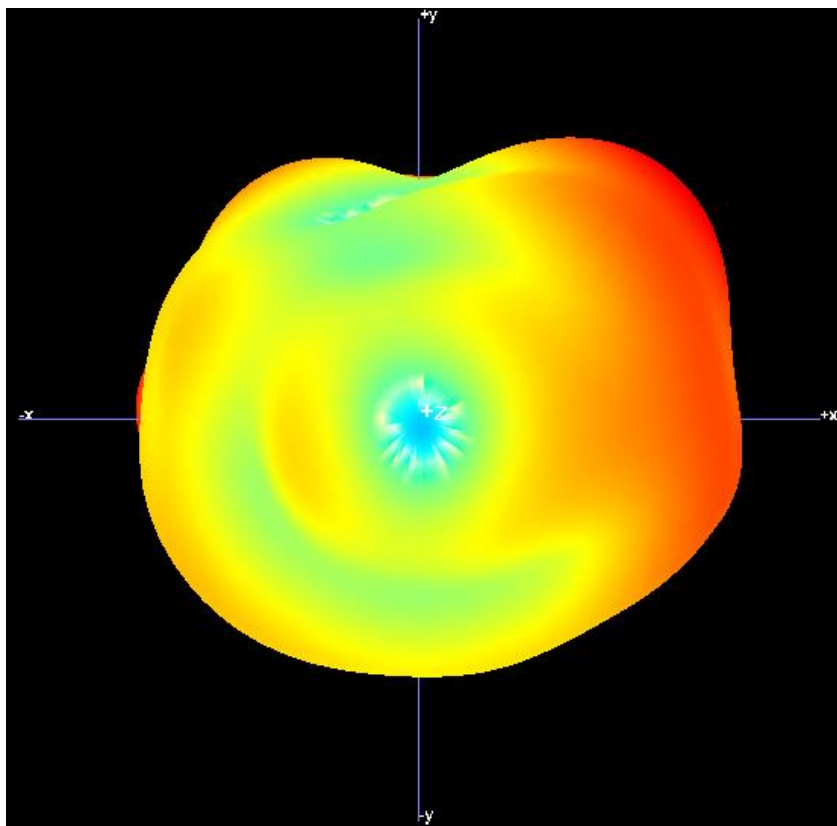




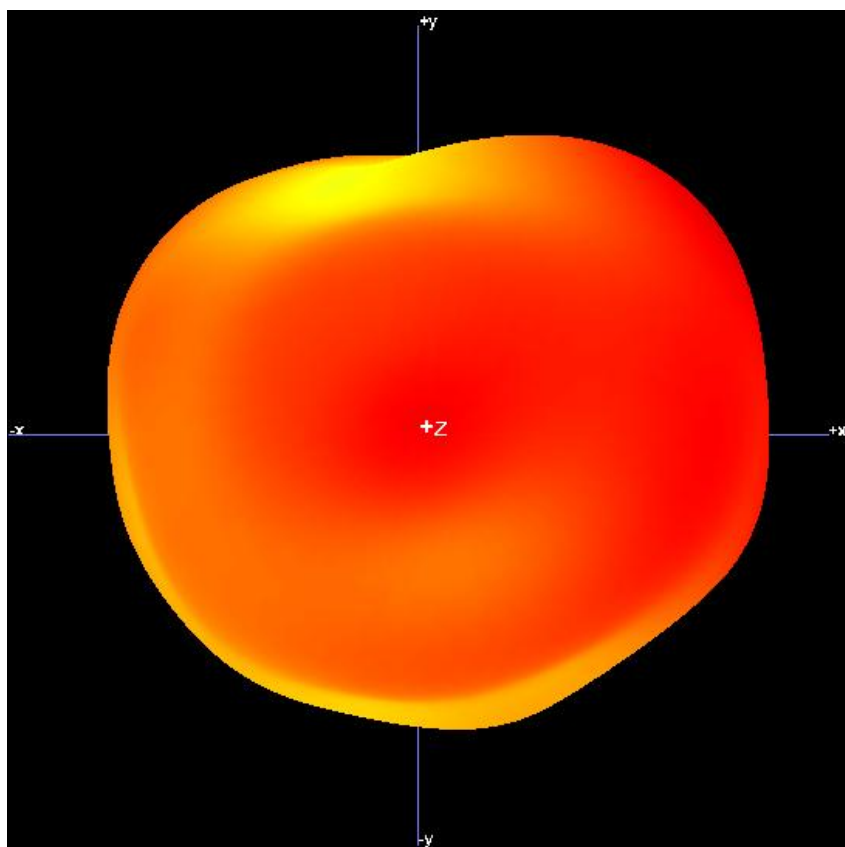
3.2 Gain and Efficiency

EUT型号	1#-i9		
备注	1#		
Frequency	Gain (dBi)	Efficiency(%)	PeakGain(dBi)
2400MHz	-2.70	21%	-2.47
2402MHz	-2.72	21%	
2404MHz	-2.77	21%	
2406MHz	-2.75	21%	
2408MHz	-2.67	21%	
2410MHz	-2.68	21%	
2412MHz	-2.71	21%	
2414MHz	-2.74	21%	
2416MHz	-2.68	21%	
2418MHz	-2.66	21%	
2420MHz	-2.66	21%	
2422MHz	-2.63	21%	
2424MHz	-2.56	21%	
2426MHz	-2.64	21%	
2428MHz	-2.61	21%	
2430MHz	-2.57	21%	
2432MHz	-2.53	21%	
2434MHz	-2.51	21%	
2436MHz	-2.52	21%	
2438MHz	-2.53	20%	
2440MHz	-2.47	20%	
2442MHz	-2.50	20%	
2444MHz	-2.55	20%	
2446MHz	-2.69	20%	
2448MHz	-2.77	19%	
2450MHz	-2.85	19%	
2452MHz	-2.94	19%	
2454MHz	-3.05	18%	
2456MHz	-3.14	18%	
2458MHz	-3.23	18%	
2460MHz	-3.33	18%	
2462MHz	-3.41	17%	
2464MHz	-3.47	17%	
2466MHz	-3.48	17%	
2468MHz	-3.52	17%	
2470MHz	-3.56	16%	
2472MHz	-3.60	16%	
2474MHz	-3.64	16%	
2476MHz	-3.70	16%	
2478MHz	-3.73	16%	
2480MHz	-3.78	15%	

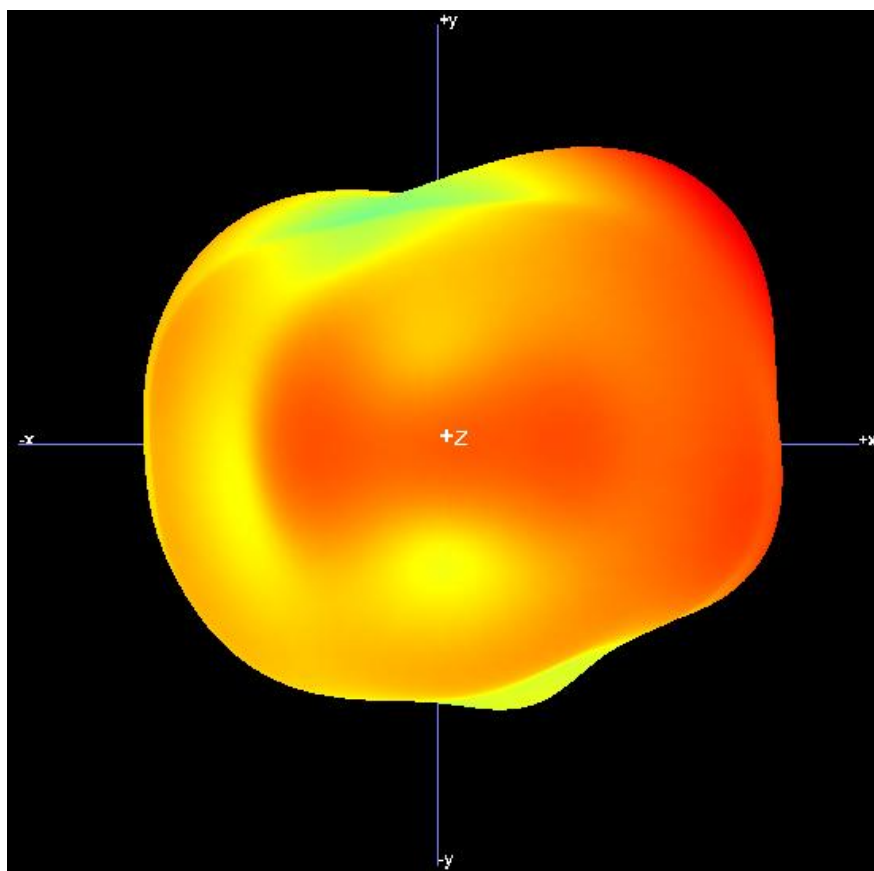
3.3 3D Polar Plot



2402MHz



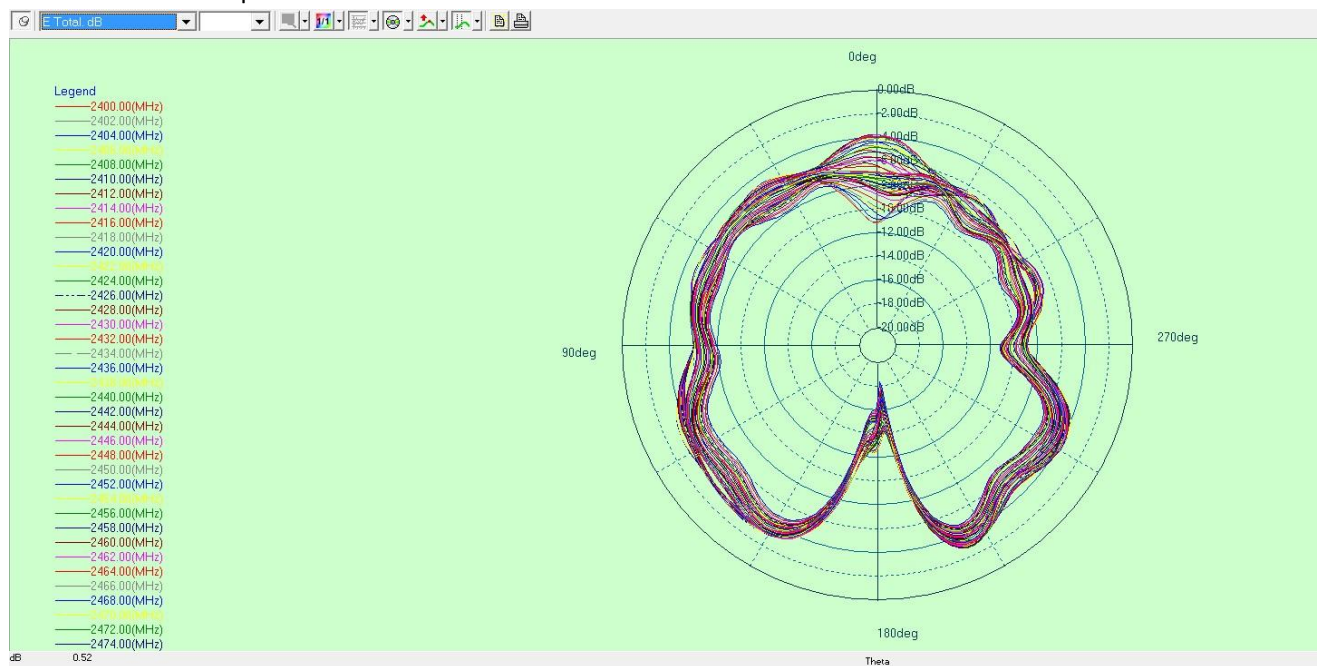
2440MHz



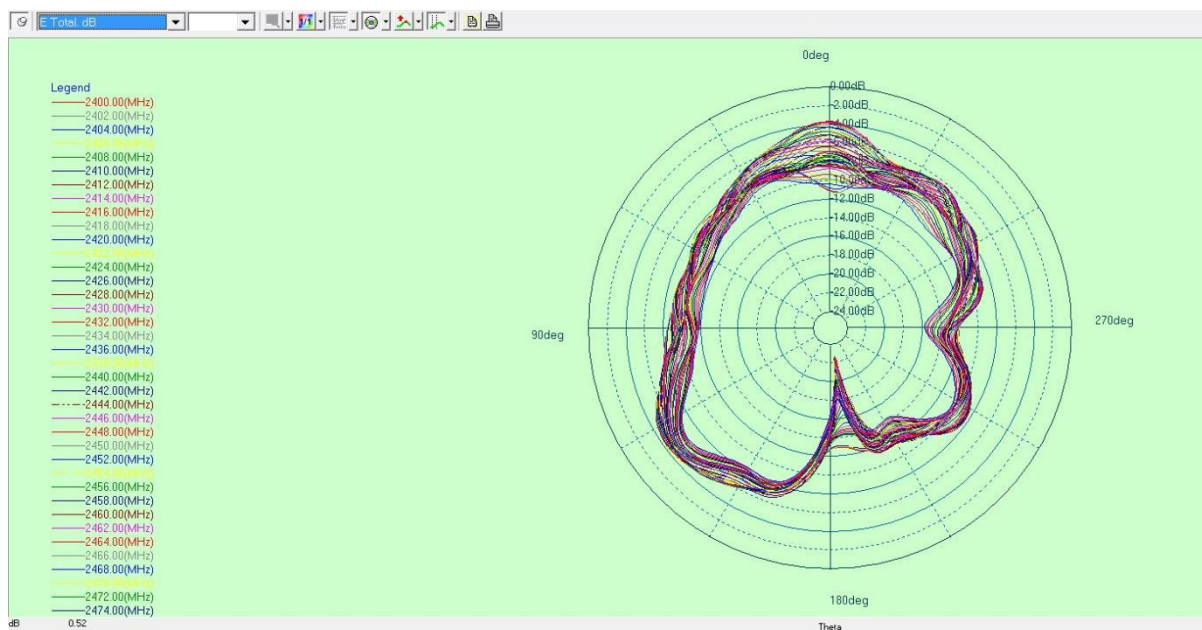
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

