

Antenna Coding: ANT-BBNCNC21010

Antenna Type: PCB onboard Antenna

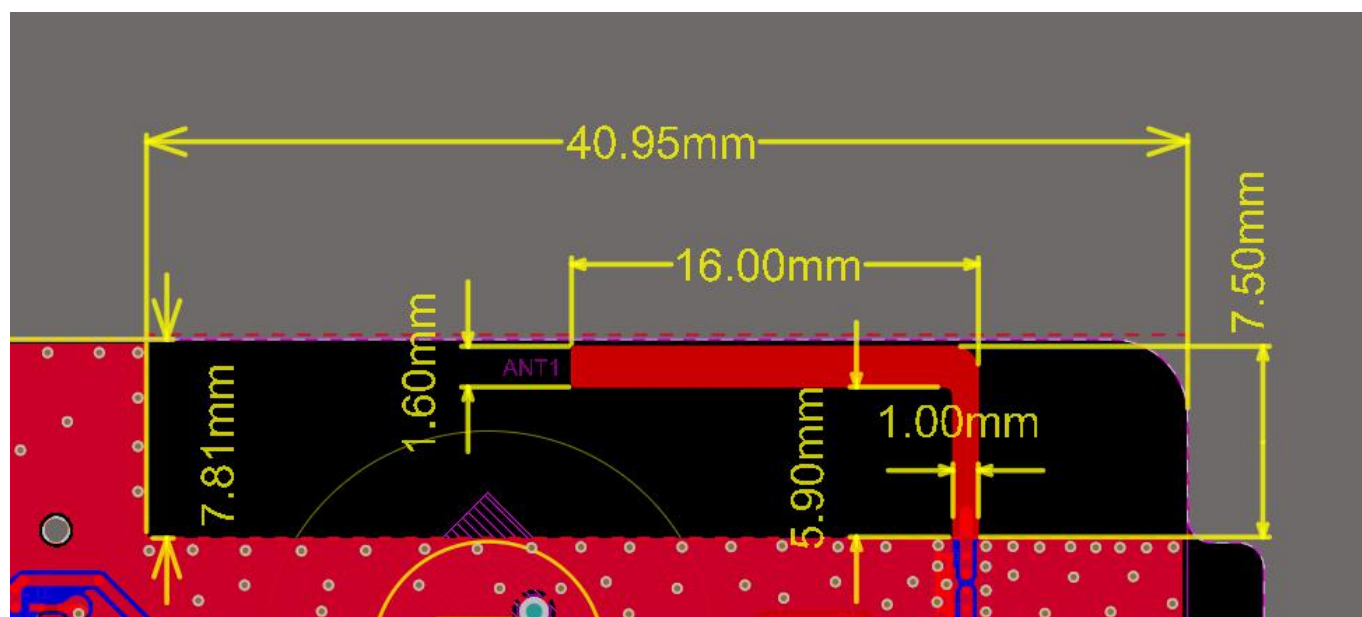
Model of the DUT: MSP02

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

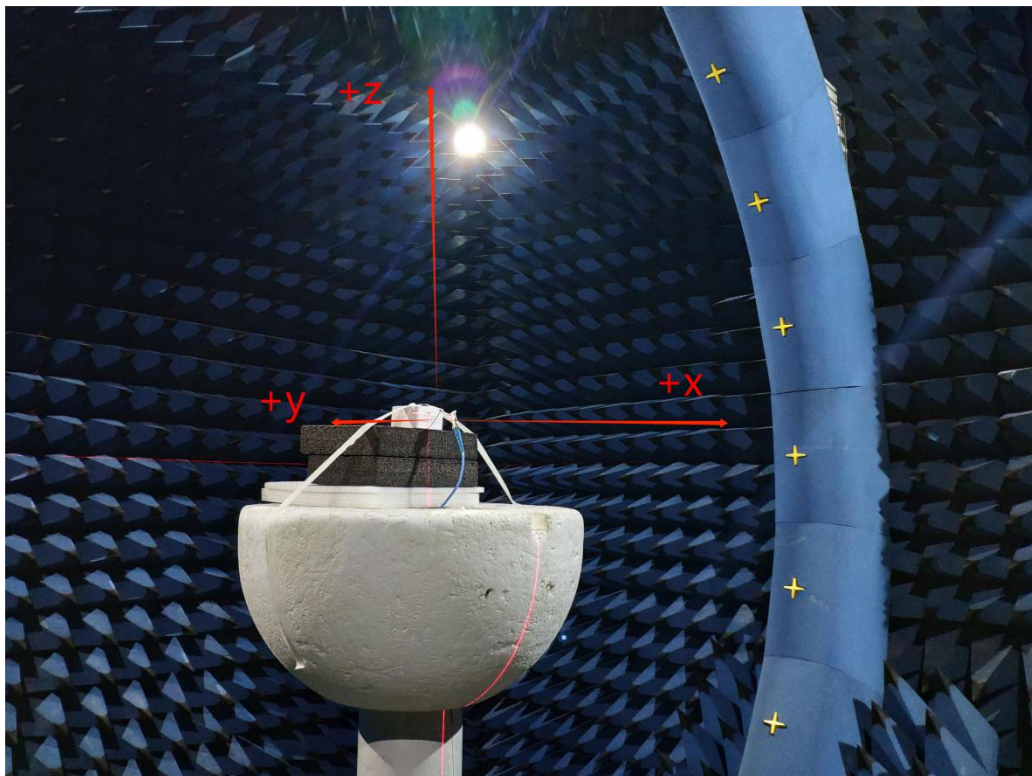
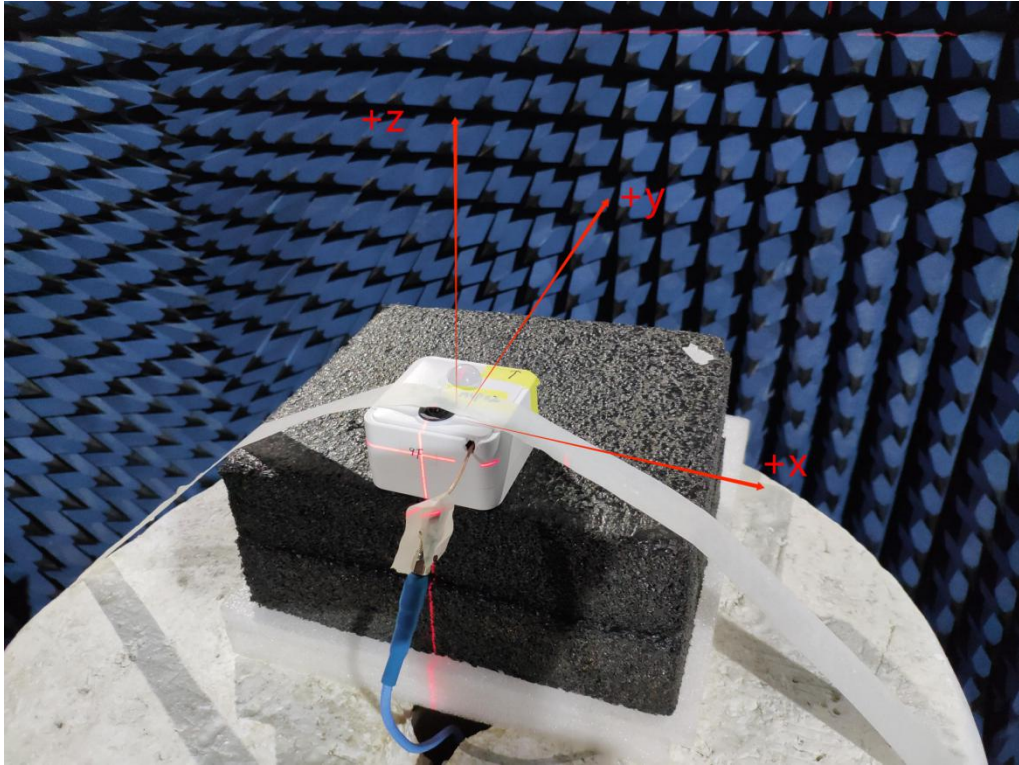
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-11.79
VSWR	<1.34
Peak Gain (dBi)	3.13
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	16*7.5
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

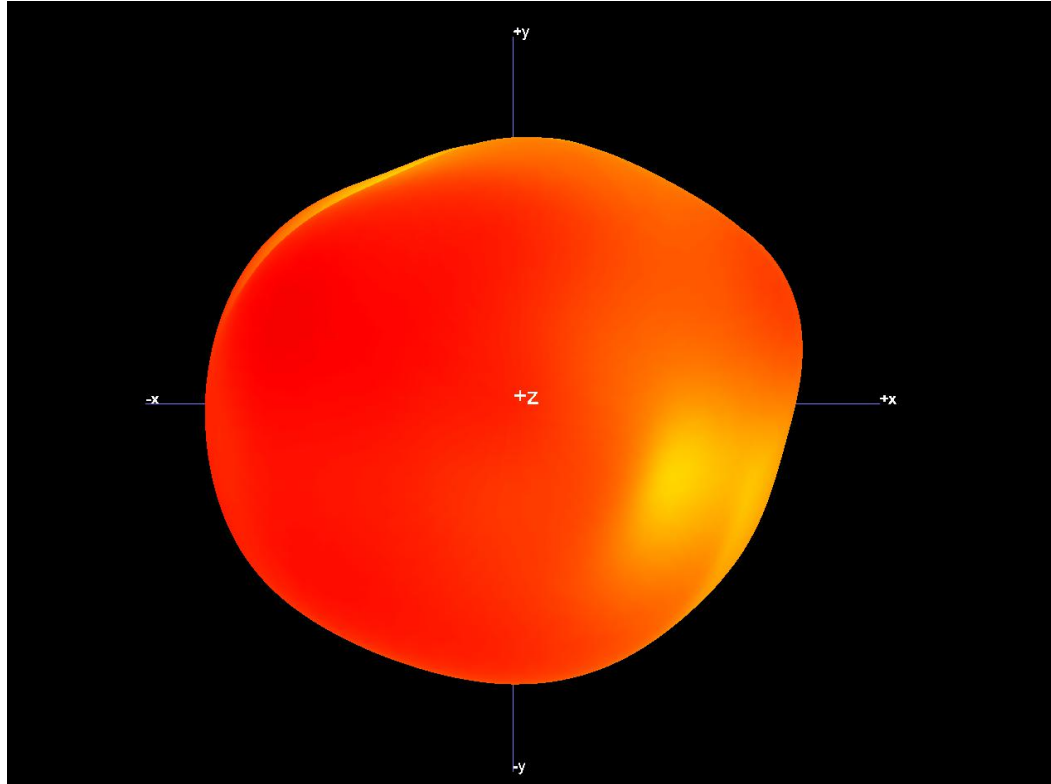




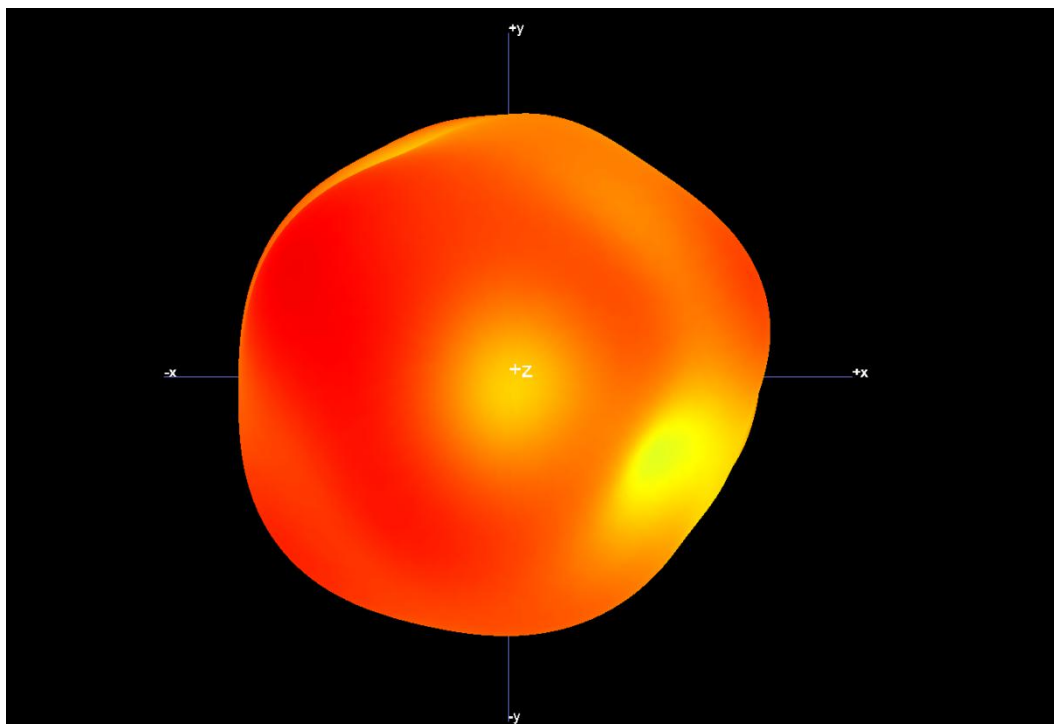
3.2 Gain and Efficiency

EUT型号 备注	1#-MSP02 1#	
Frequency	Gain (dB)	Efficiency()
2400MHz	2.49	61%
2402MHz	2.50	61%
2404MHz	2.51	61%
2406MHz	2.51	61%
2408MHz	2.54	62%
2410MHz	2.60	62%
2412MHz	2.64	62%
2414MHz	2.68	62%
2416MHz	2.68	61%
2418MHz	2.73	61%
2420MHz	2.76	61%
2422MHz	2.81	61%
2424MHz	2.89	61%
2426MHz	2.88	62%
2428MHz	2.93	62%
2430MHz	2.98	62%
2432MHz	3.02	62%
2434MHz	3.06	62%
2436MHz	3.11	63%
2438MHz	3.12	63%
2440MHz	3.13	63%
2442MHz	3.13	63%
2444MHz	3.11	64%
2446MHz	3.08	64%
2448MHz	3.04	63%
2450MHz	3.01	63%
2452MHz	3.02	63%
2454MHz	3.00	63%
2456MHz	3.08	63%
2458MHz	3.10	63%
2460MHz	3.09	63%
2462MHz	3.07	62%
2464MHz	3.05	62%
2466MHz	3.12	63%
2468MHz	3.12	63%
2470MHz	3.11	62%
2472MHz	3.09	62%
2474MHz	3.08	63%
2476MHz	2.94	63%
2478MHz	2.91	63%
2480MHz	2.87	63%

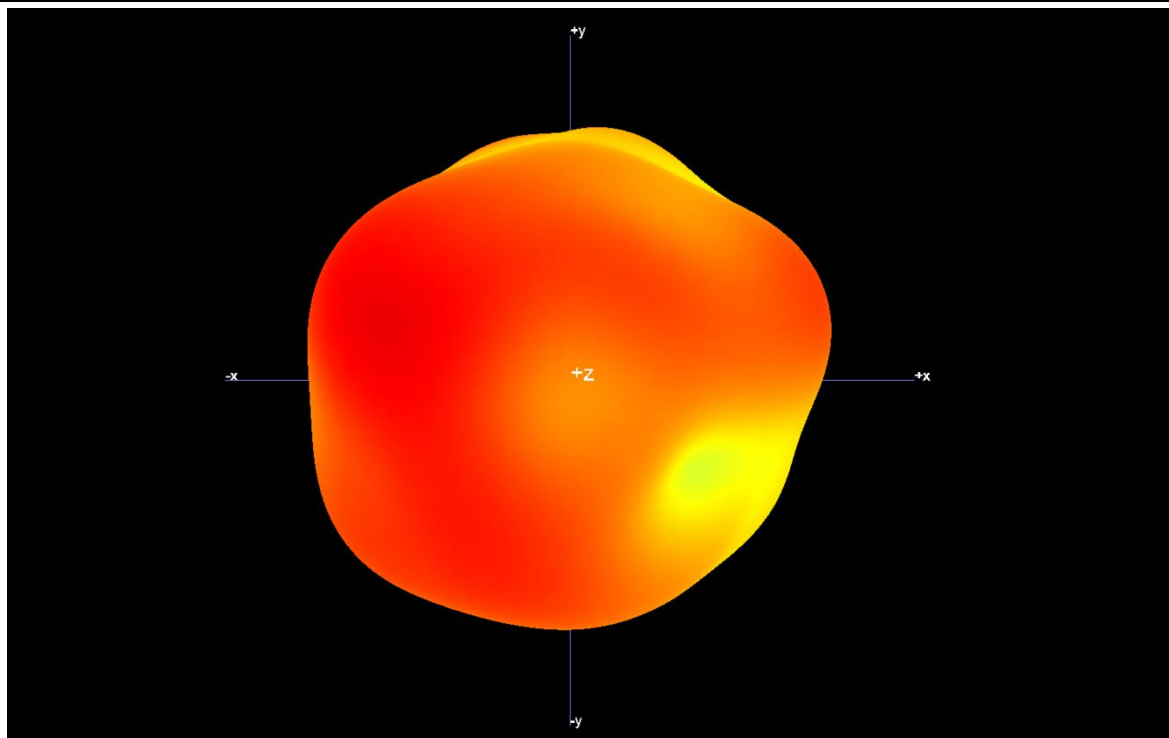
3.3 3D Polar Plot



2402MHz



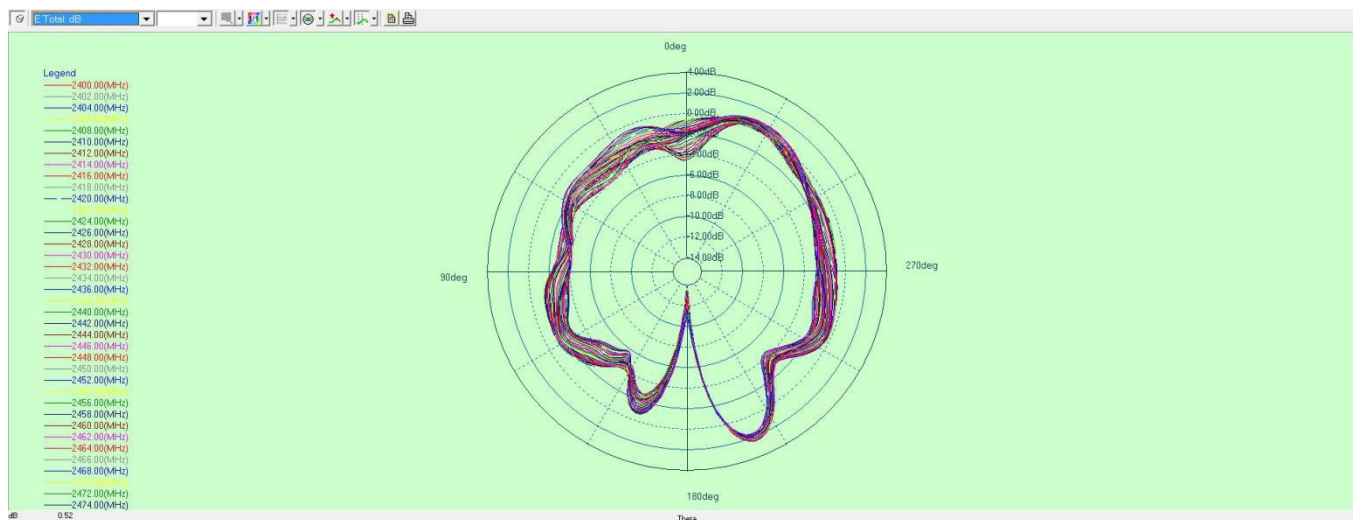
2440MHz



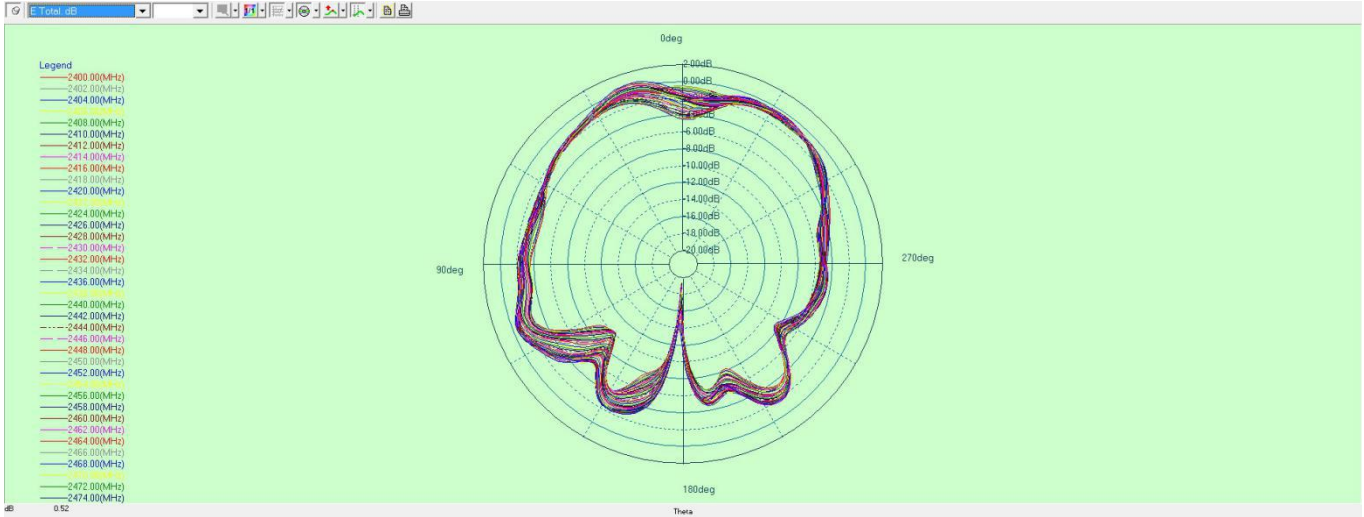
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

