

Antenna Coding: ANT-BBNCNC22029

Antenna Type: PCB onboard Antenna

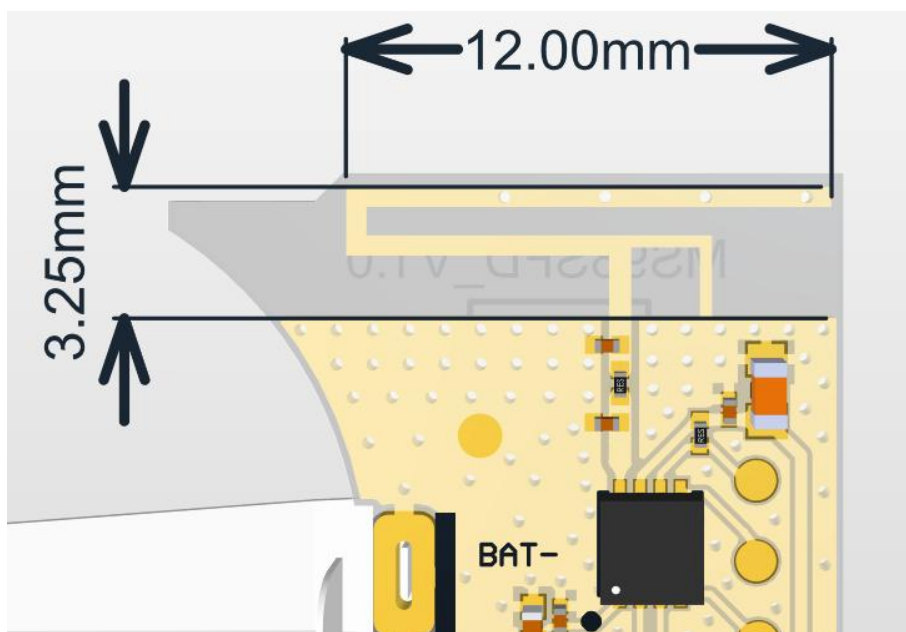
Model of the DUT: T3

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

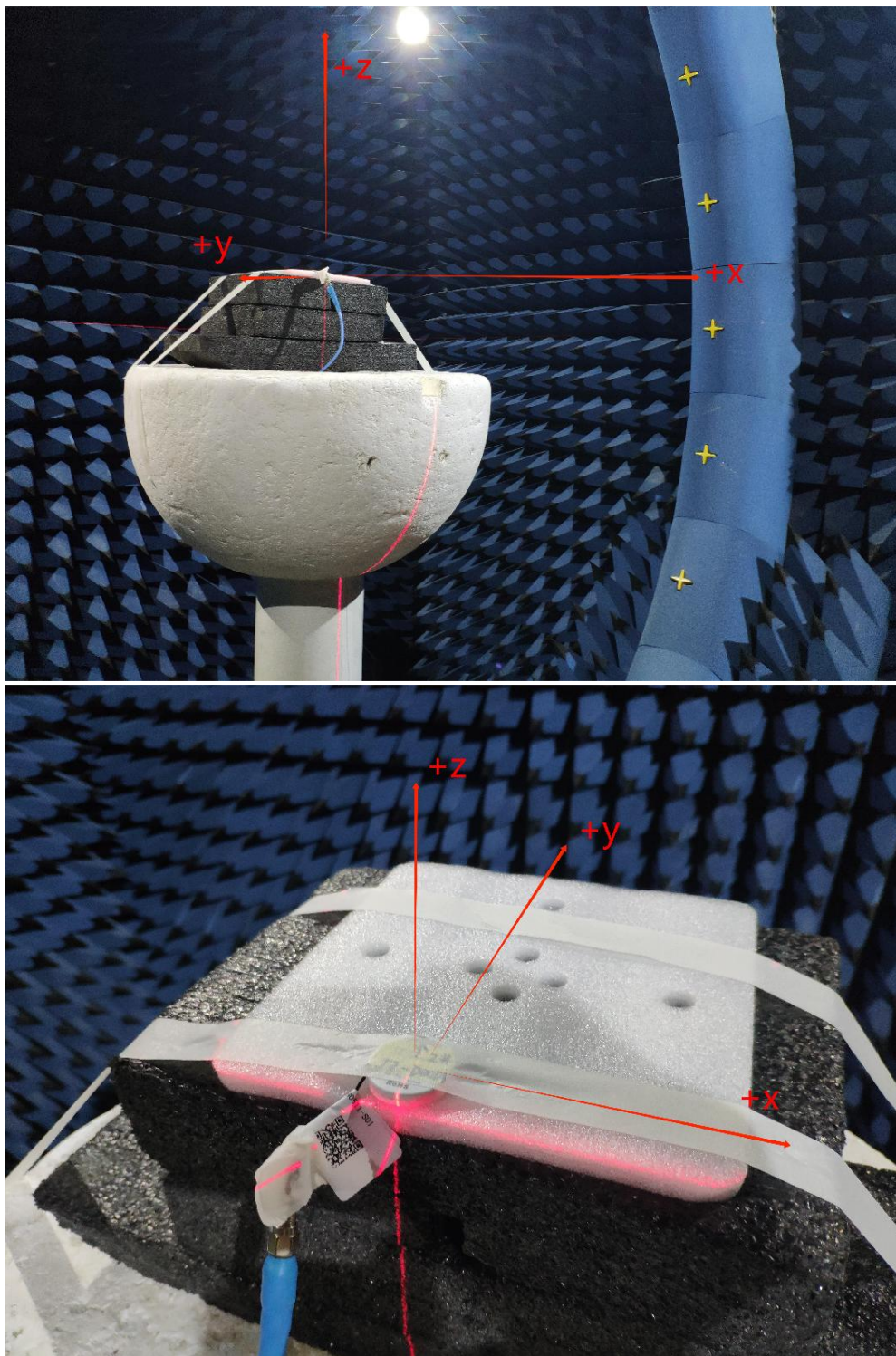
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-2.32
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	12*3.25
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

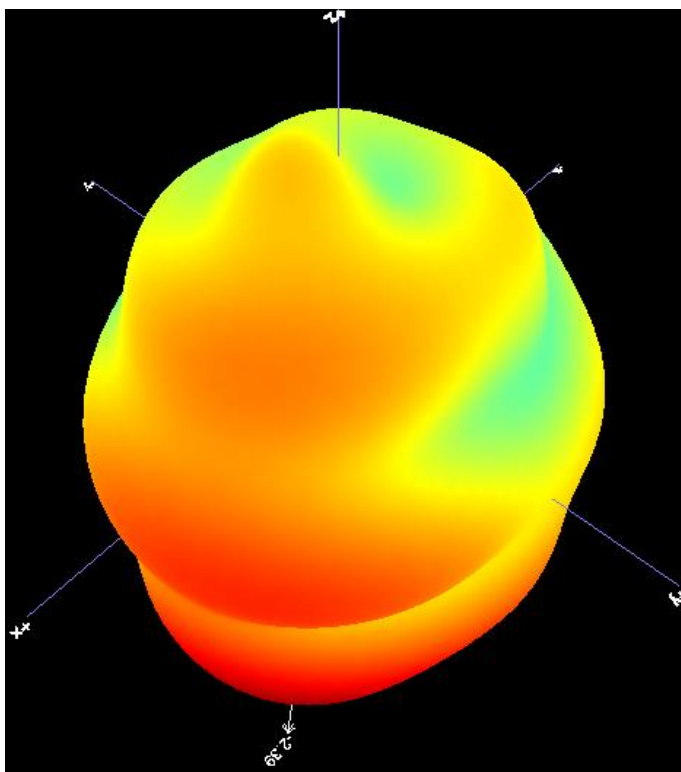
3.1 Test Environment



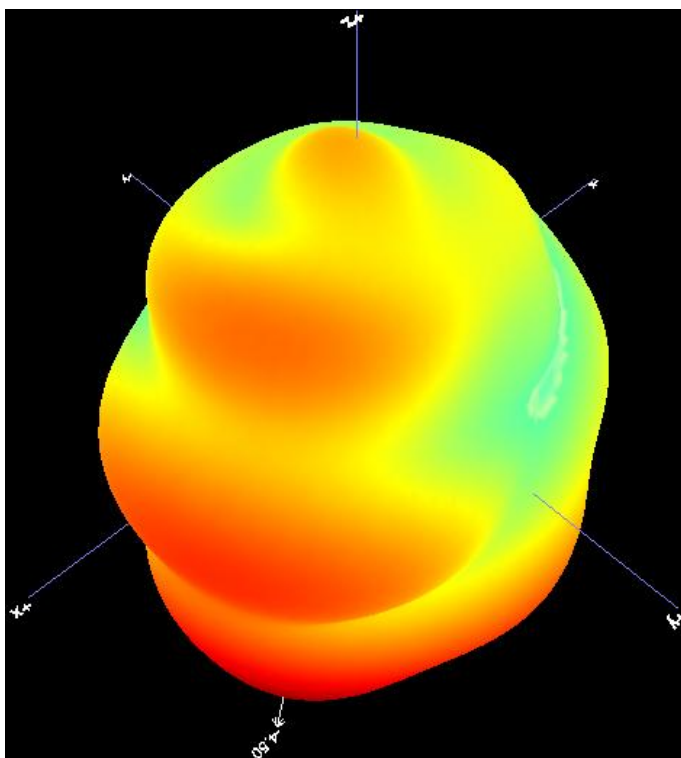
3.2 Gain and Efficiency

Frequency	Gain (dBi)	Efficiency(%)	PeakGain (dBi)
2400MHz	-2.32	19%	-2.32
2402MHz	-2.39	19%	
2404MHz	-2.48	18%	
2406MHz	-2.63	18%	
2408MHz	-2.73	17%	
2410MHz	-2.84	17%	
2412MHz	-2.98	17%	
2414MHz	-3.07	16%	
2416MHz	-3.19	16%	
2418MHz	-3.34	15%	
2420MHz	-3.53	15%	
2422MHz	-3.71	14%	
2424MHz	-3.84	14%	
2426MHz	-4.01	14%	
2428MHz	-4.15	13%	
2430MHz	-4.29	13%	
2432MHz	-4.38	13%	
2434MHz	-4.42	13%	
2436MHz	-4.43	12%	
2438MHz	-4.49	12%	
2440MHz	-4.50	12%	
2442MHz	-4.49	12%	
2444MHz	-4.51	12%	
2446MHz	-4.55	12%	
2448MHz	-4.57	12%	
2450MHz	-4.60	12%	
2452MHz	-4.56	12%	
2454MHz	-4.66	11%	
2456MHz	-4.70	11%	
2458MHz	-4.77	11%	
2460MHz	-4.86	11%	
2462MHz	-4.96	10%	
2464MHz	-5.04	10%	
2466MHz	-5.09	10%	
2468MHz	-5.15	10%	
2470MHz	-5.25	10%	
2472MHz	-5.31	9%	
2474MHz	-5.33	9%	
2476MHz	-5.49	9%	
2478MHz	-5.55	9%	
2480MHz	-5.58	9%	

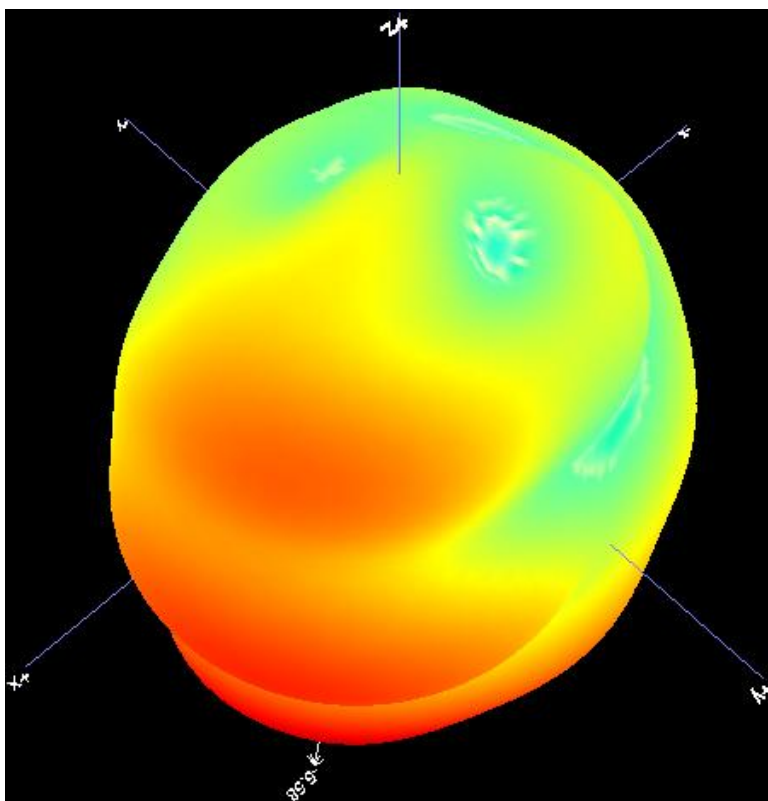
3.3 3D Polar Plot



2402MHz



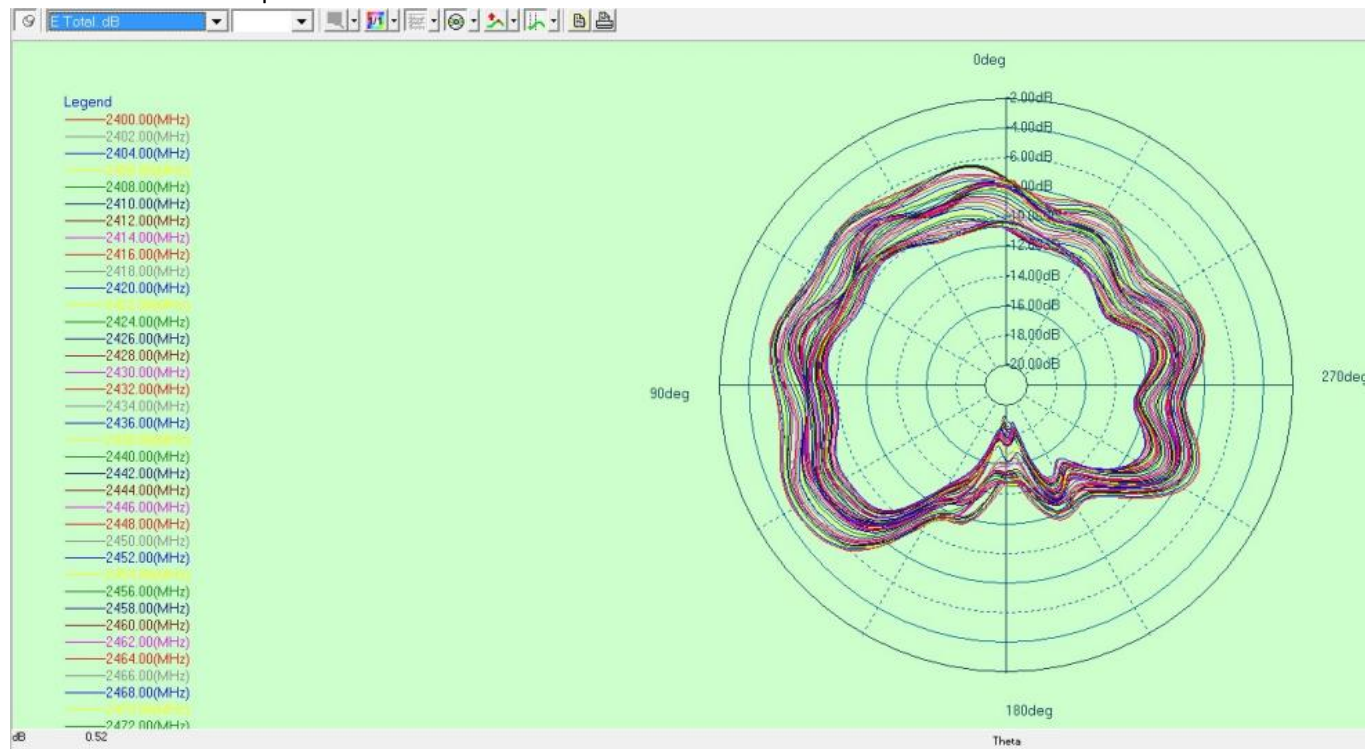
2440MHz



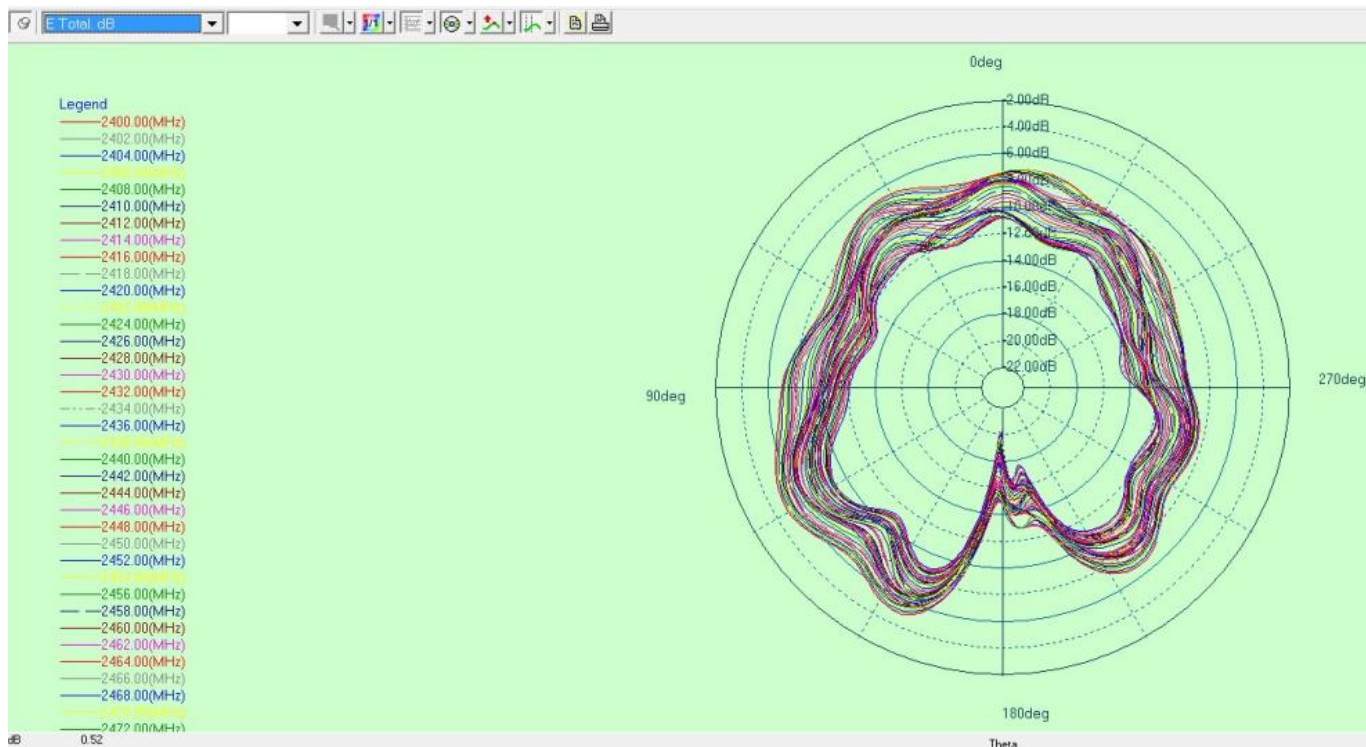
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

