Antenna Coding：ANT-2G4-03S

Antenna Type： PCB onboard Antenna

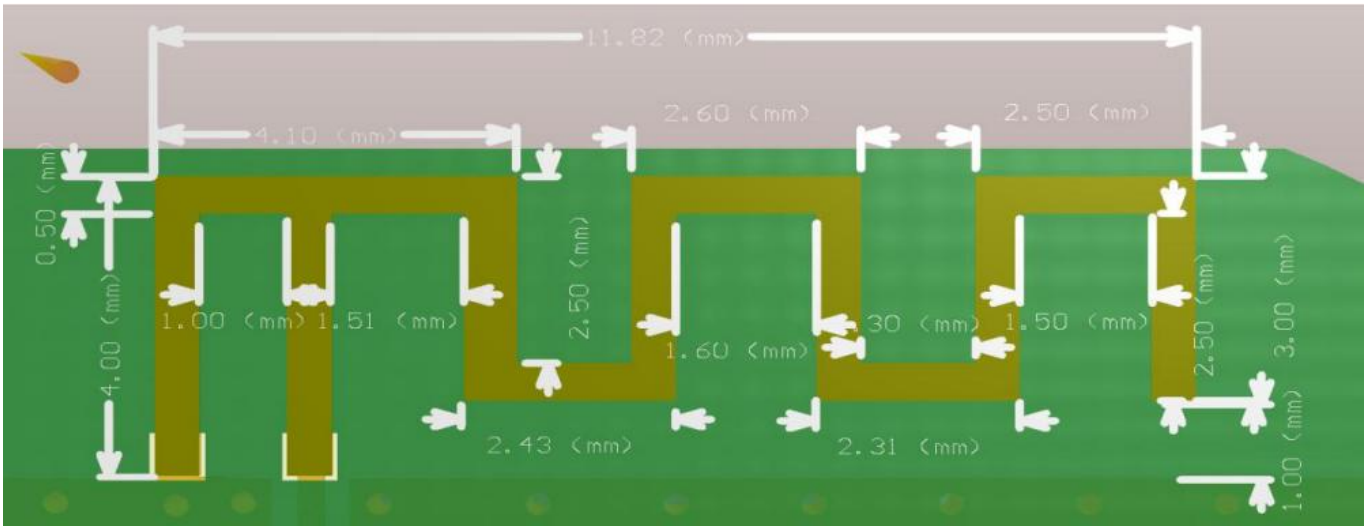
Model of the DUT： VX-BBLC

Antenna Manufacturer： Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

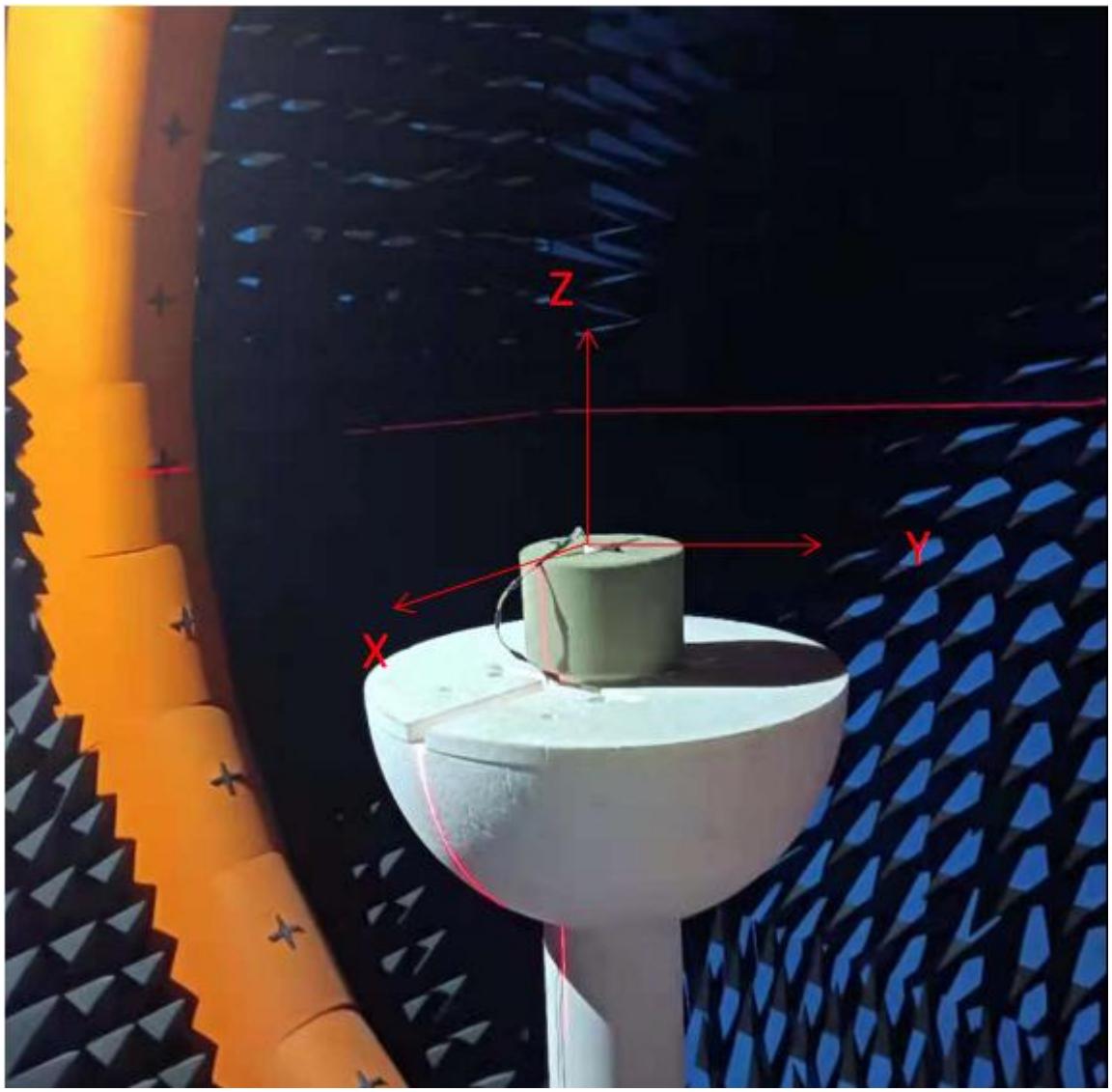
Electrical Specifications	
Frequency Range （MHz）	2402-2480
Input Impedance （Ω）	50
Return Loss（dB）	＜-10
VSWR	＜2
Peak Gain （dBi）	-2.89
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	11.82*4.0
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

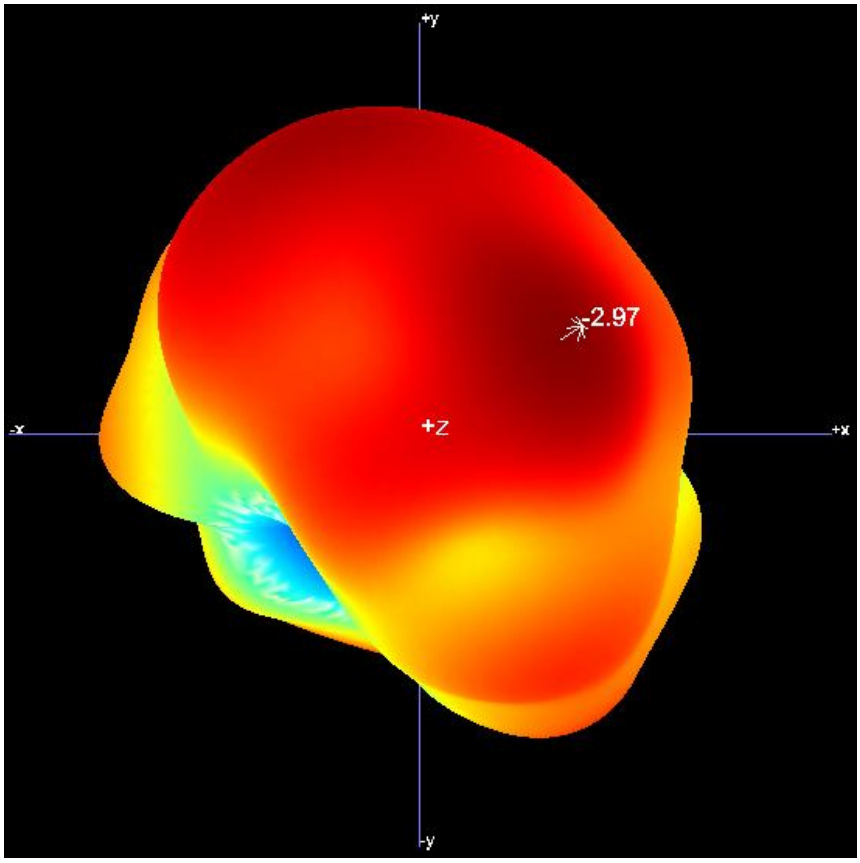
3.1 Test Environment



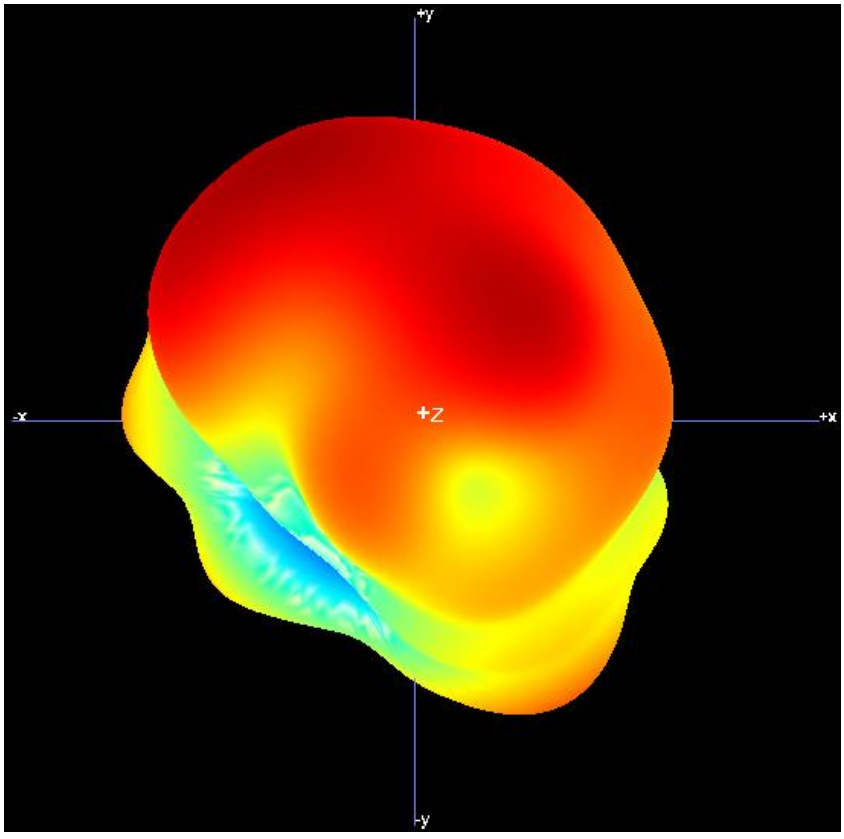
3.2 Gain and Efficiency

Frequency	Gain . dB	Efficiency	PeakGain
/	/	/	-2.89
2402000000	-2.89	21.57%	
2404000000	-2.91	20.45%	
2406000000	-2.92	19.91%	
2408000000	-3.05	19.50%	
2410000000	-3.19	19.26%	
2412000000	-3.21	19.06%	
2414000000	-3.15	18.77%	
2416000000	-3.22	18.38%	
2418000000	-3.39	18.05%	
2420000000	-3.42	17.83%	
2422000000	-3.50	17.70%	
2424000000	-3.50	17.55%	
2426000000	-3.45	17.42%	
2428000000	-3.40	17.42%	
2430000000	-3.42	17.52%	
2432000000	-3.55	17.42%	
2434000000	-3.64	17.14%	
2436000000	-3.70	16.76%	
2438000000	-3.81	16.44%	
2440000000	-3.90	16.14%	
2442000000	-4.08	15.83%	
2444000000	-4.17	15.48%	
2446000000	-4.19	15.18%	
2448000000	-4.08	15.02%	
2450000000	-4.19	14.89%	
2452000000	-4.35	14.77%	
2454000000	-4.48	14.56%	
2456000000	-4.39	14.34%	
2458000000	-4.30	14.17%	
2460000000	-4.44	14.02%	
2462000000	-4.60	13.87%	
2464000000	-4.60	13.75%	
2466000000	-4.38	13.71%	
2468000000	-4.29	13.73%	
2470000000	-4.42	13.75%	
2472000000	-4.63	13.57%	
2474000000	-4.64	13.31%	
2476000000	-4.51	13.08%	
2478000000	-4.56	12.90%	
2480000000	-4.81	12.71%	

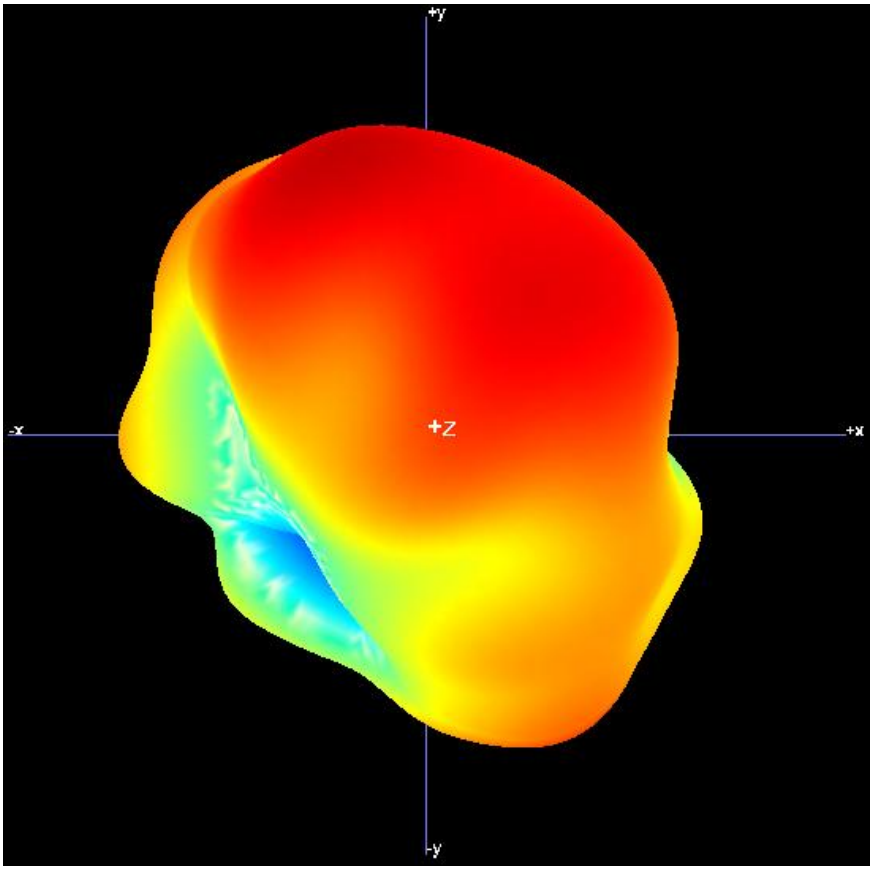
3.3 3D Polar Plot



2402MHz



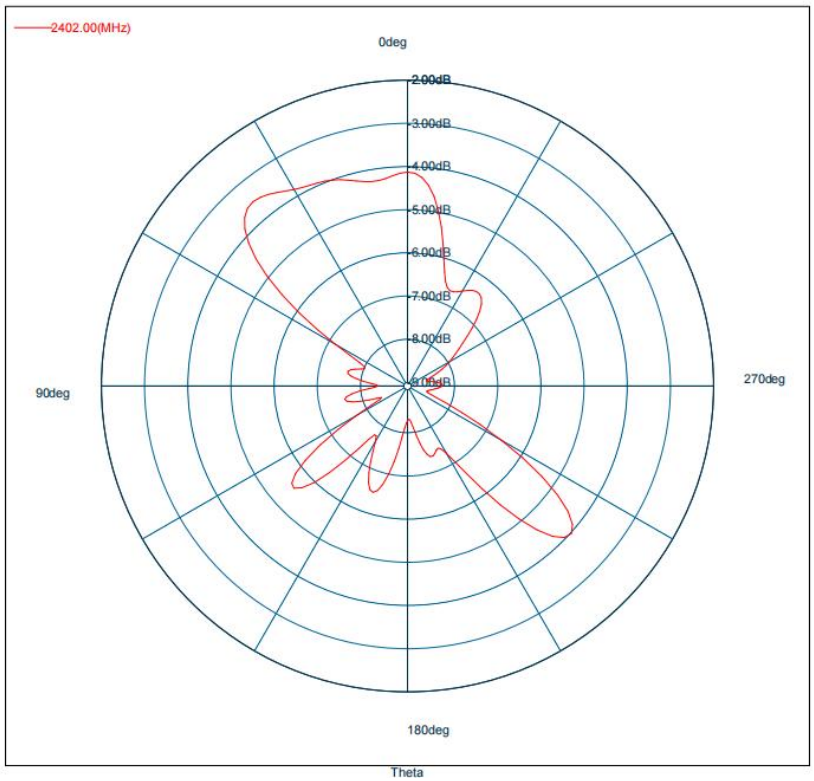
2440MHz



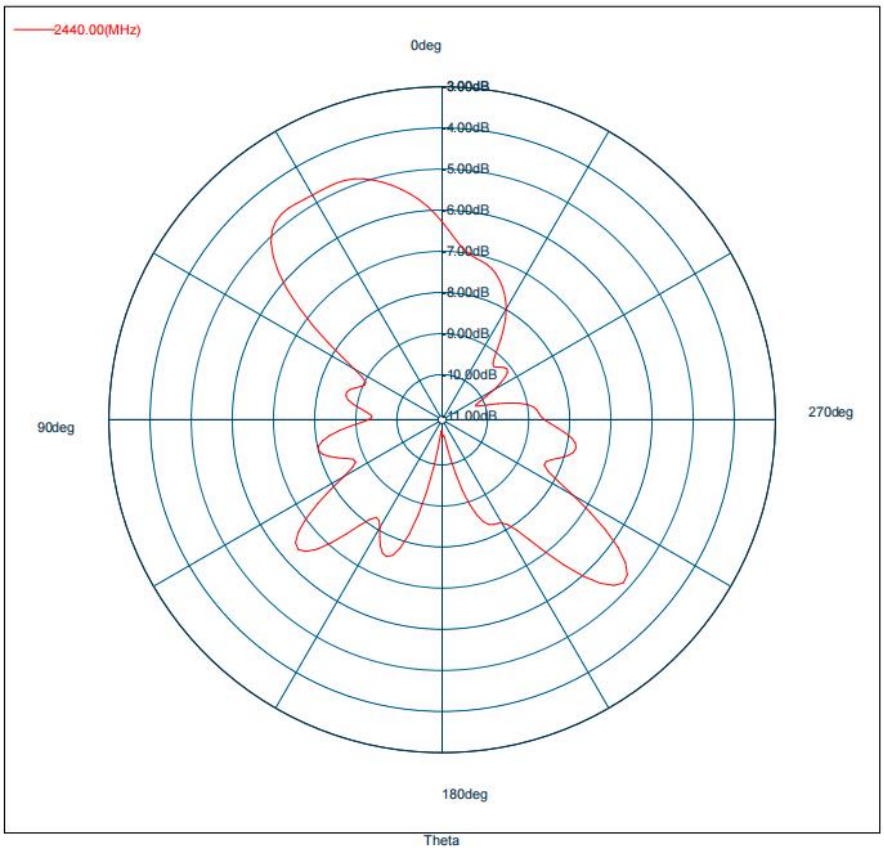
2480MHz

3.4 2D Radiation Pattern

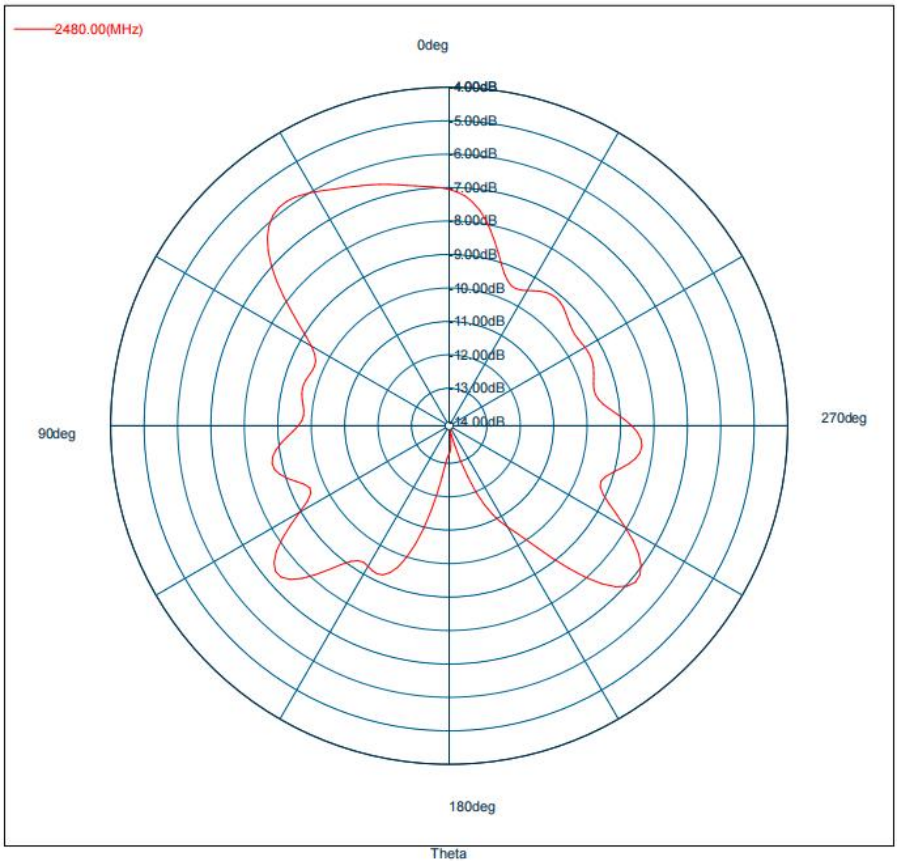
（1）E1，XZ Plane，phi=0



2402MHz

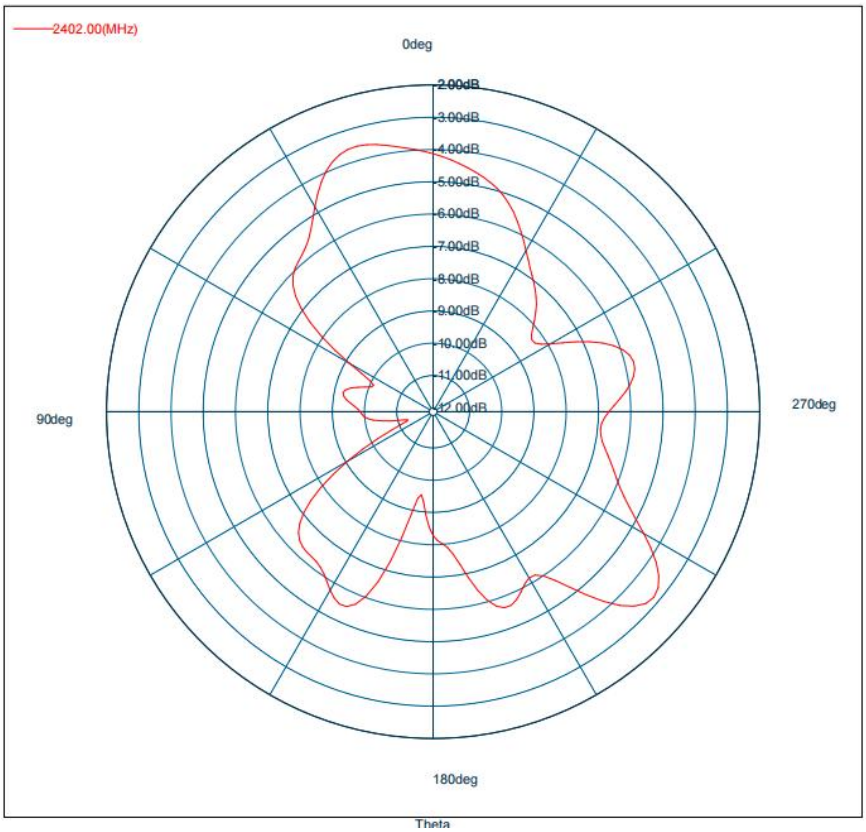


2440MHz

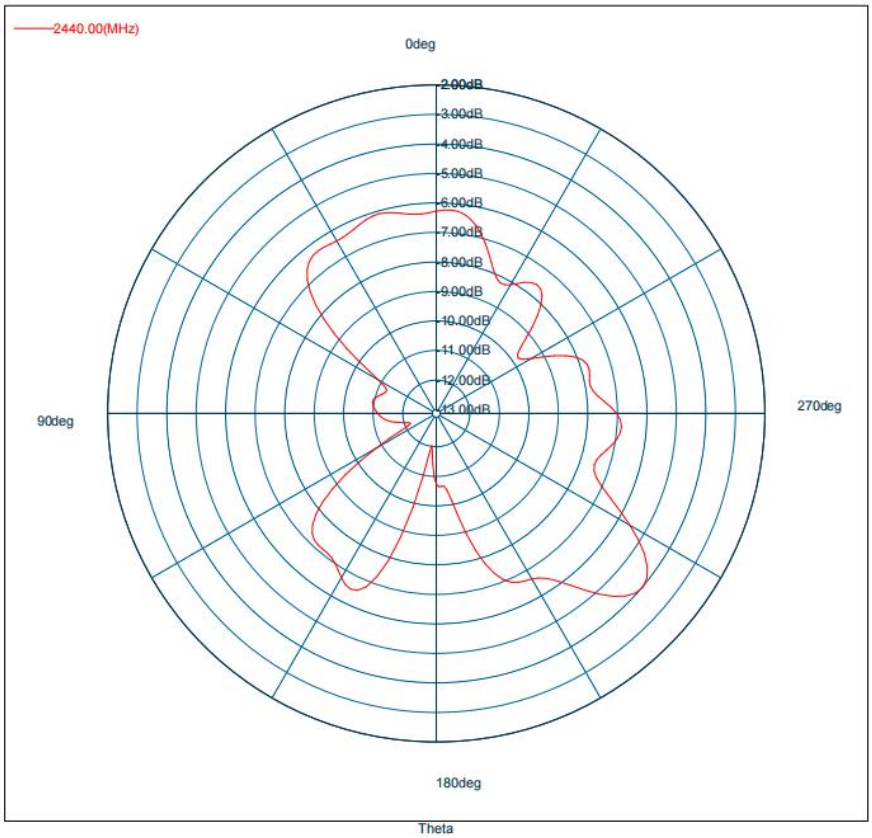


2480MHz

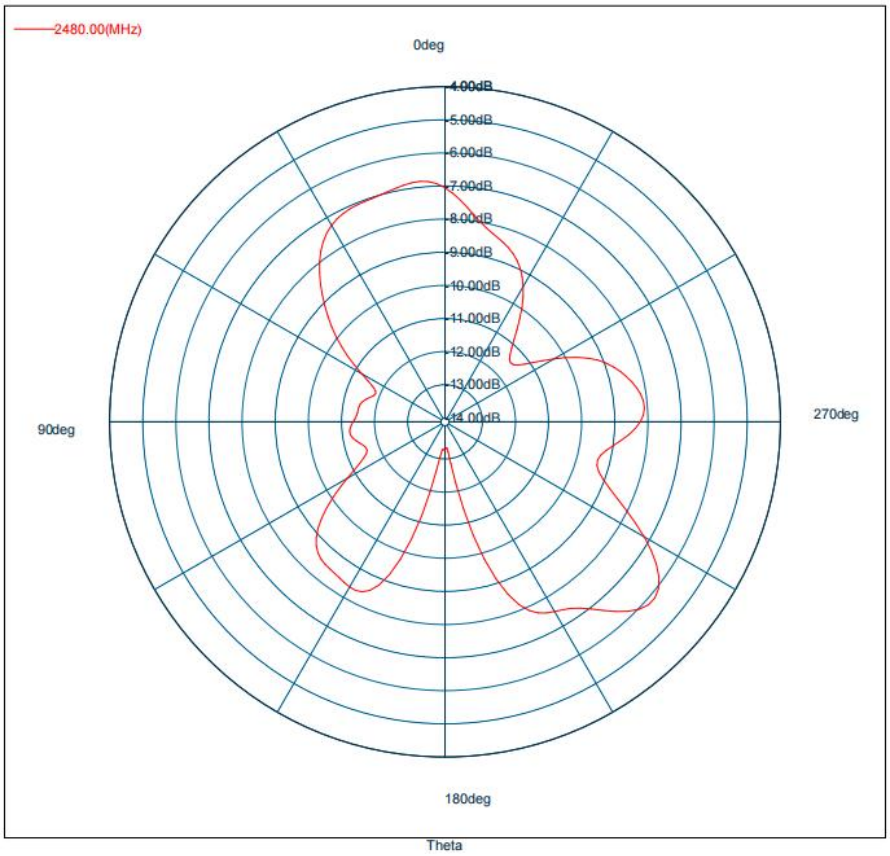
（2）E2，YZ Plane，phi=90°



2402MHz

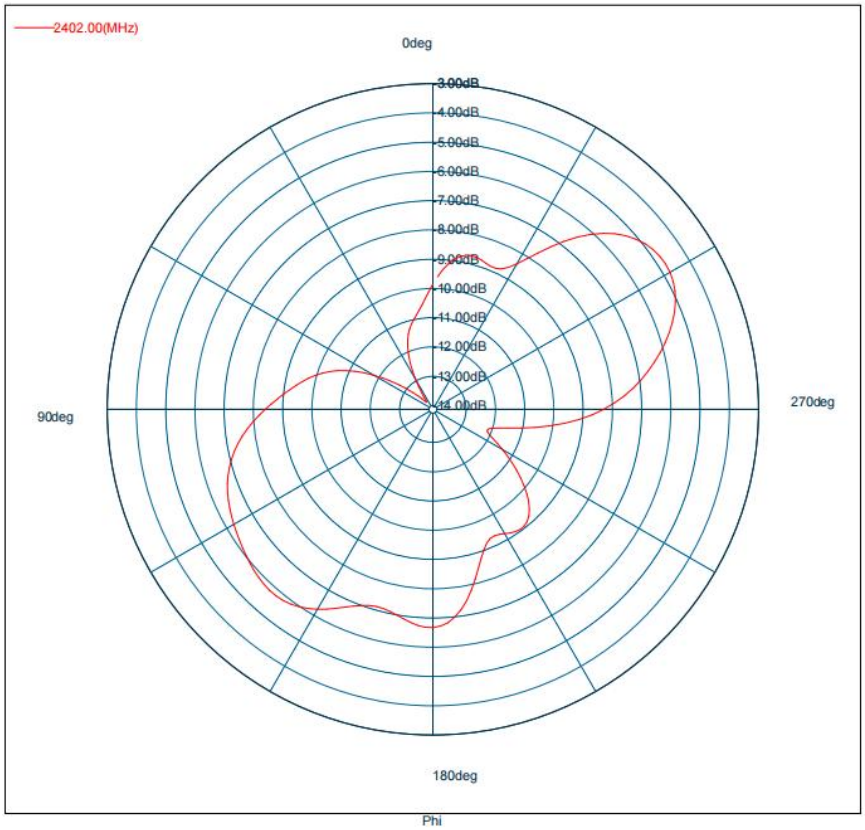


2440MHz

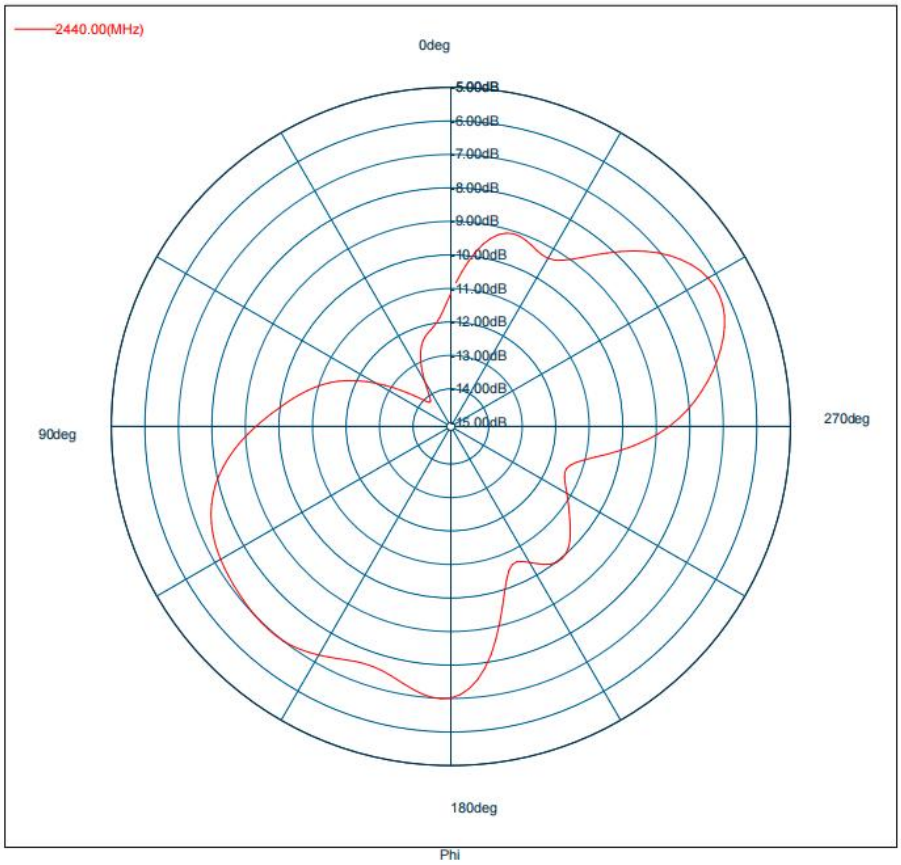


2480MHz

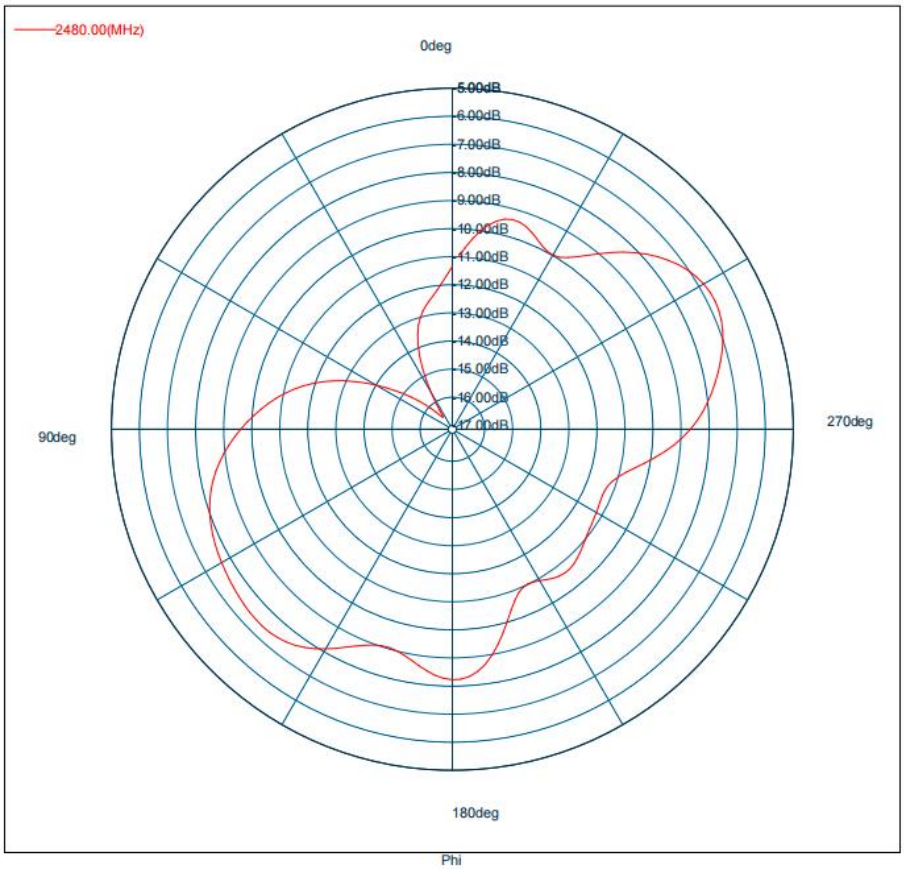
（3）H，XY plane，theta=90°



2402MHz



2440MHz



2480MHz