

Antenna Coding: ANT-BBNCNC23010

Antenna Type: PCB Antenna

Model of the DUT: DG2

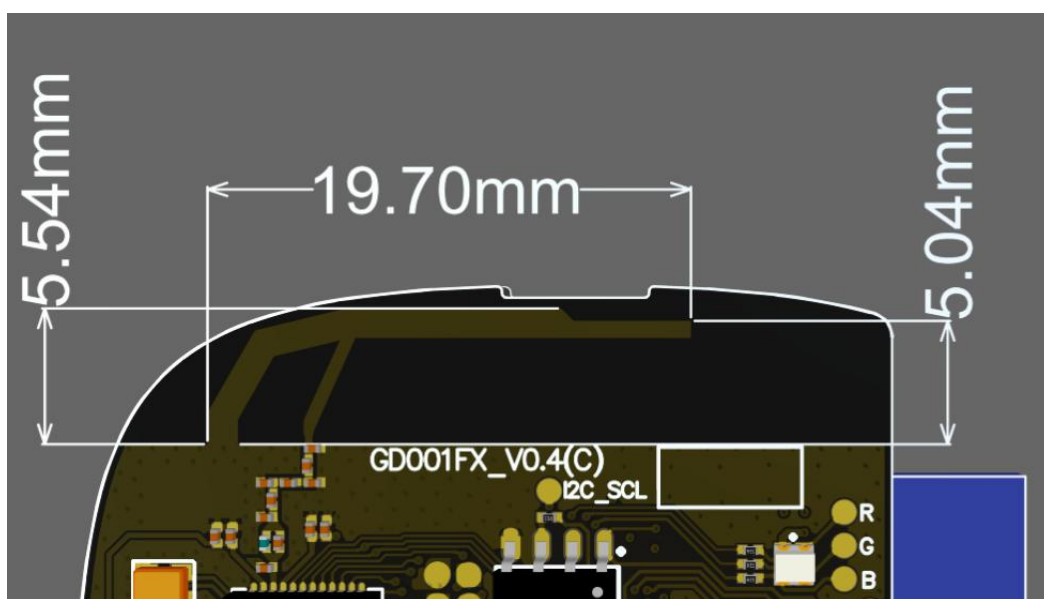
Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

Address: 3rd Floor, I Building, Gangzhilong Science Park, Qinglong Road, Longhua District, Shenzhen City 518000 China

1、Technical Specification

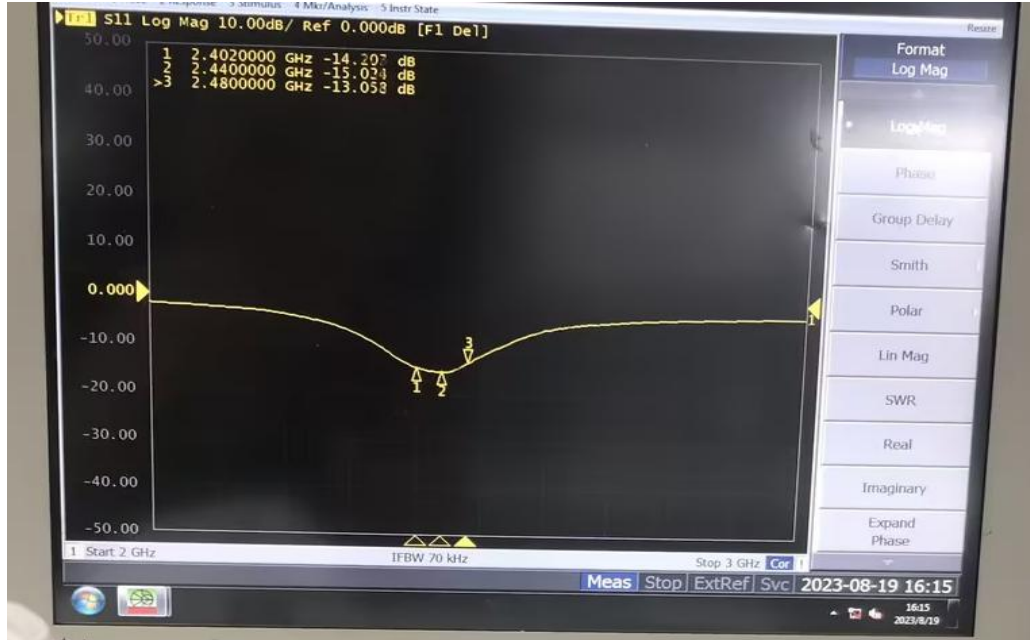
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	1.21
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	19.7*5.54
Radiator	Cuprum

2、The shape and size of the antenna

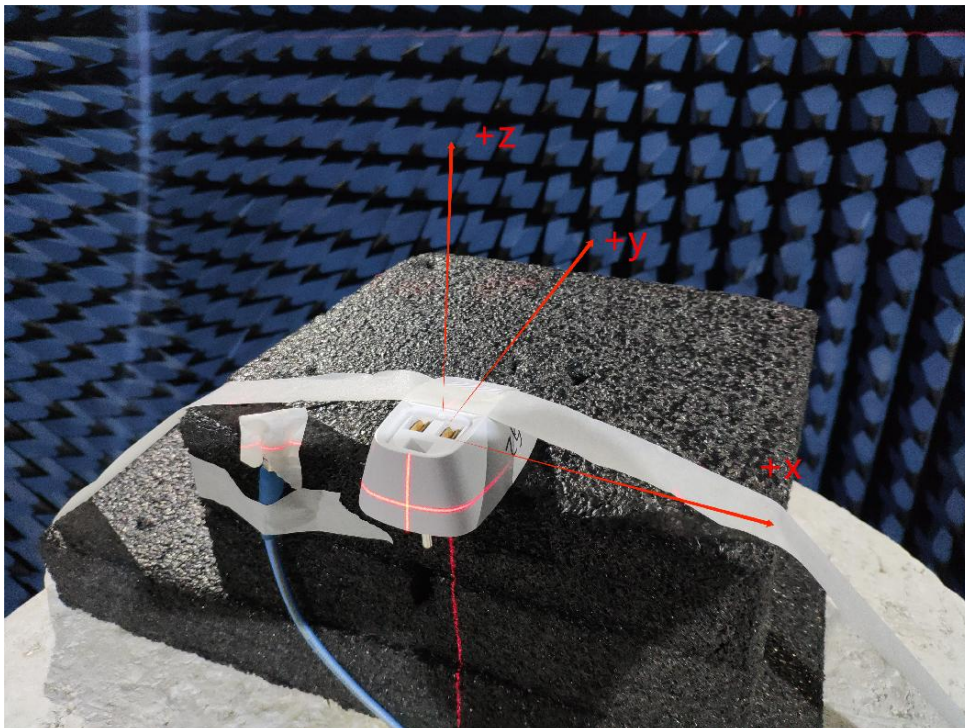


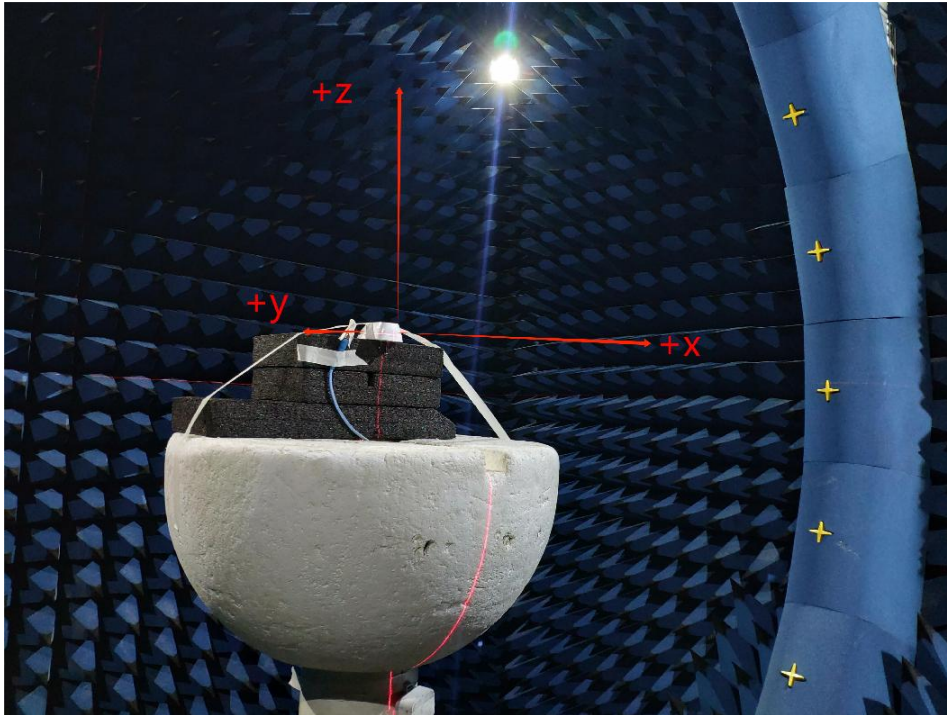
3、 The result of the test

3.1 S11



3.2 Test Environment

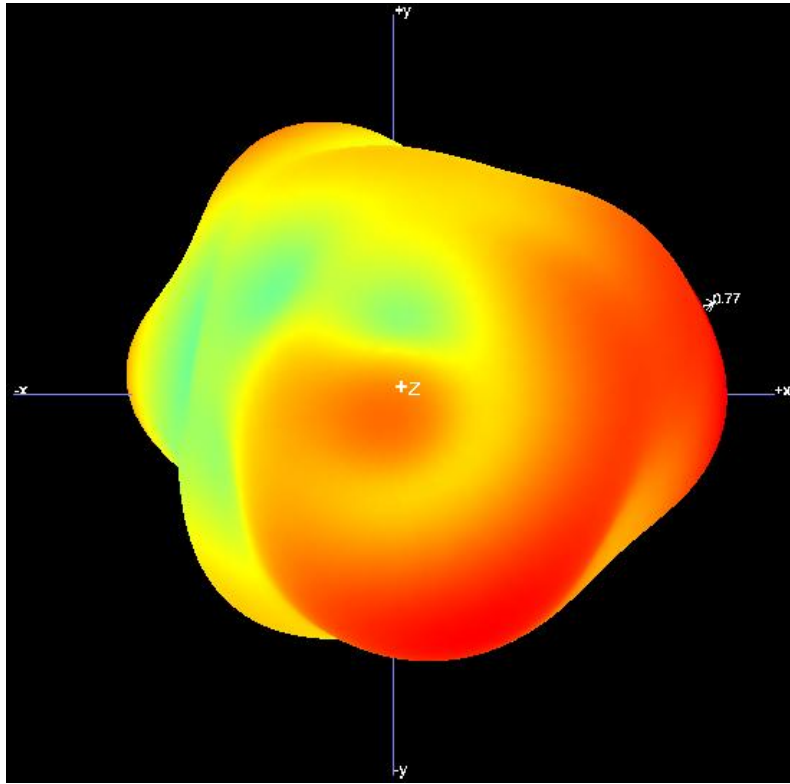




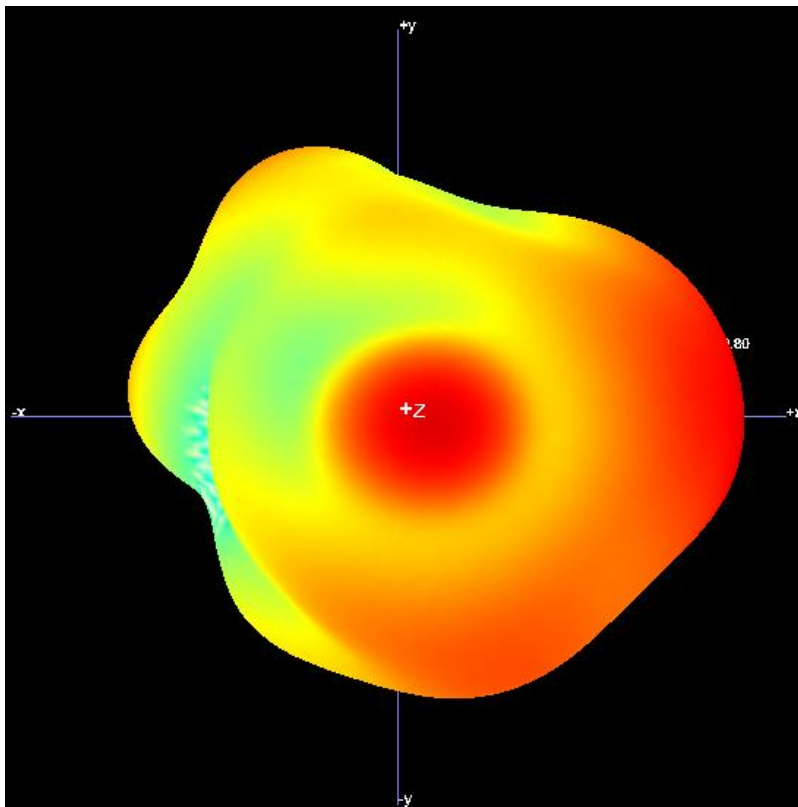
3.3 Gain and Efficiency

EUT型号	1#-DG2-C		PeakGain (dBi)
备注	1#	1#	
Frequency	Gain (dBi)	Efficiency(%)	
2400MHz	0.73	46%	1.21
2402MHz	0.77	47%	
2404MHz	0.80	46%	
2406MHz	0.82	46%	
2408MHz	0.83	46%	
2410MHz	0.85	46%	
2412MHz	0.86	46%	
2414MHz	0.84	46%	
2416MHz	0.87	46%	
2418MHz	0.84	46%	
2420MHz	0.81	46%	
2422MHz	0.78	46%	
2424MHz	0.75	46%	
2426MHz	0.80	46%	
2428MHz	0.77	46%	
2430MHz	0.72	46%	
2432MHz	0.70	46%	
2434MHz	0.87	46%	
2436MHz	0.91	46%	
2438MHz	0.91	46%	
2440MHz	0.92	46%	
2442MHz	0.92	46%	
2444MHz	0.94	46%	
2446MHz	1.06	46%	
2448MHz	1.06	46%	
2450MHz	1.07	47%	
2452MHz	1.10	47%	
2454MHz	1.11	47%	
2456MHz	1.21	47%	
2458MHz	1.21	47%	
2460MHz	1.21	47%	
2462MHz	1.06	47%	
2464MHz	1.06	47%	
2466MHz	1.01	47%	
2468MHz	1.19	47%	
2470MHz	1.18	47%	
2472MHz	1.17	47%	
2474MHz	1.17	47%	
2476MHz	1.06	48%	
2478MHz	1.03	48%	
2480MHz	1.00	48%	

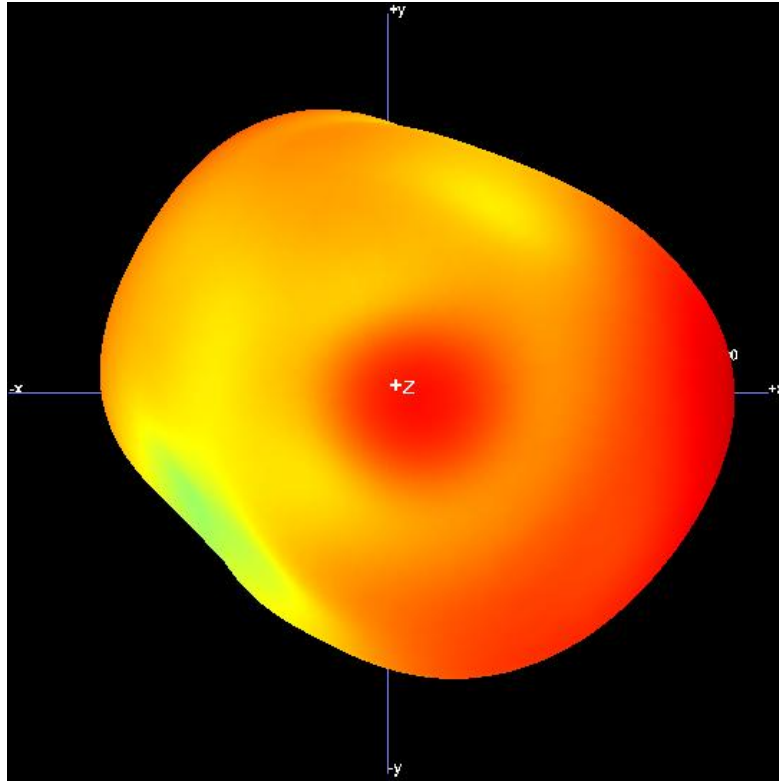
3.4 3D Polar Plot



2402MHz



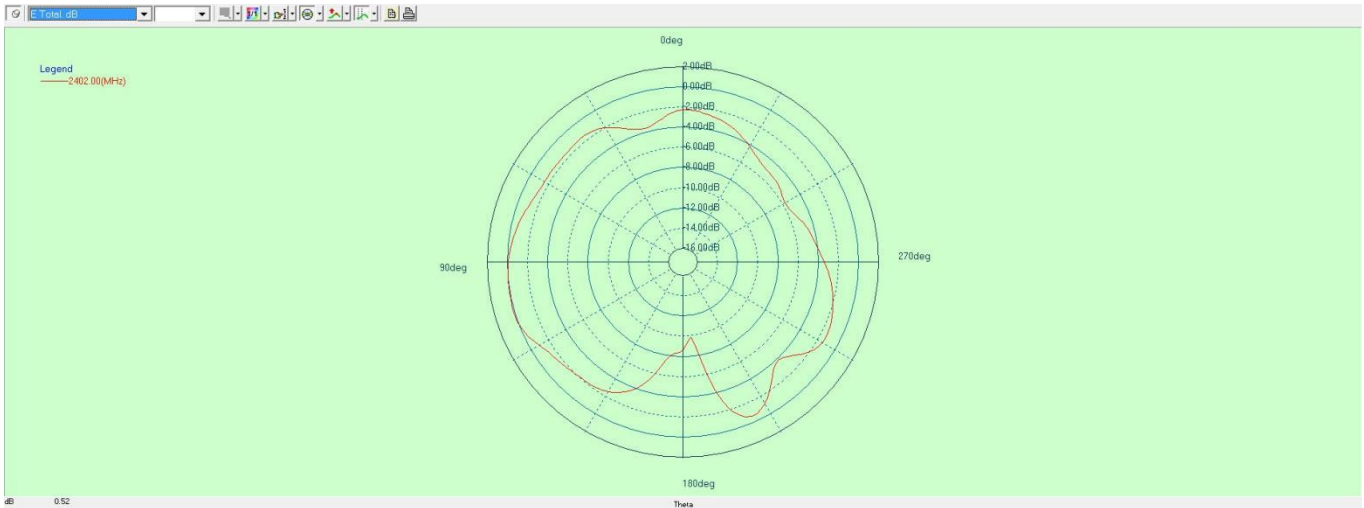
2426MHz



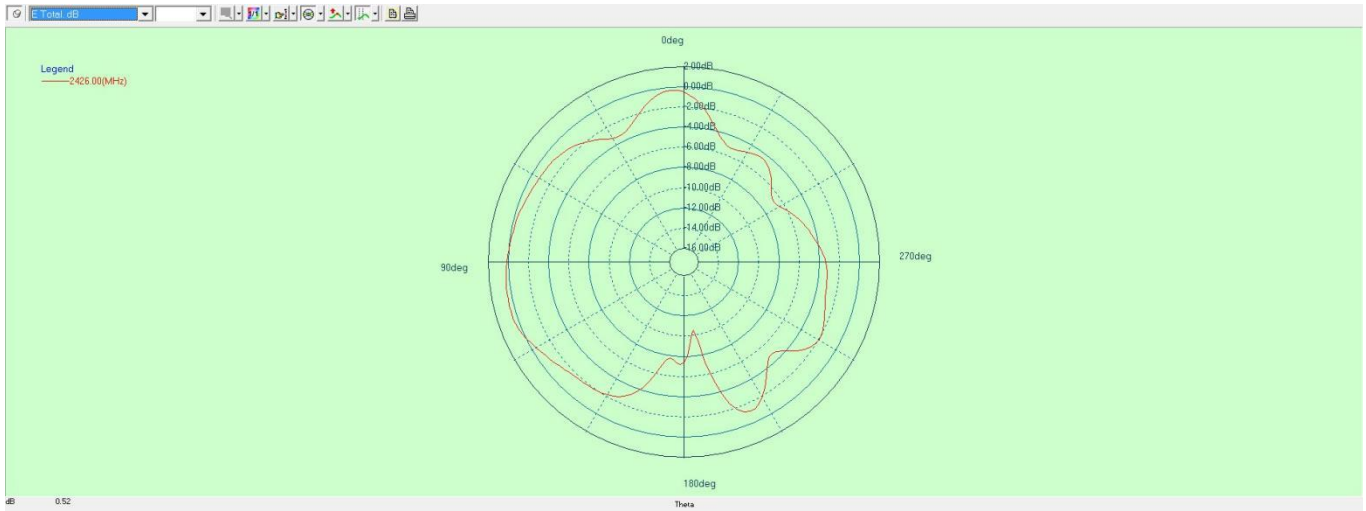
2480MHz

3.5 2D Radiation Pattern

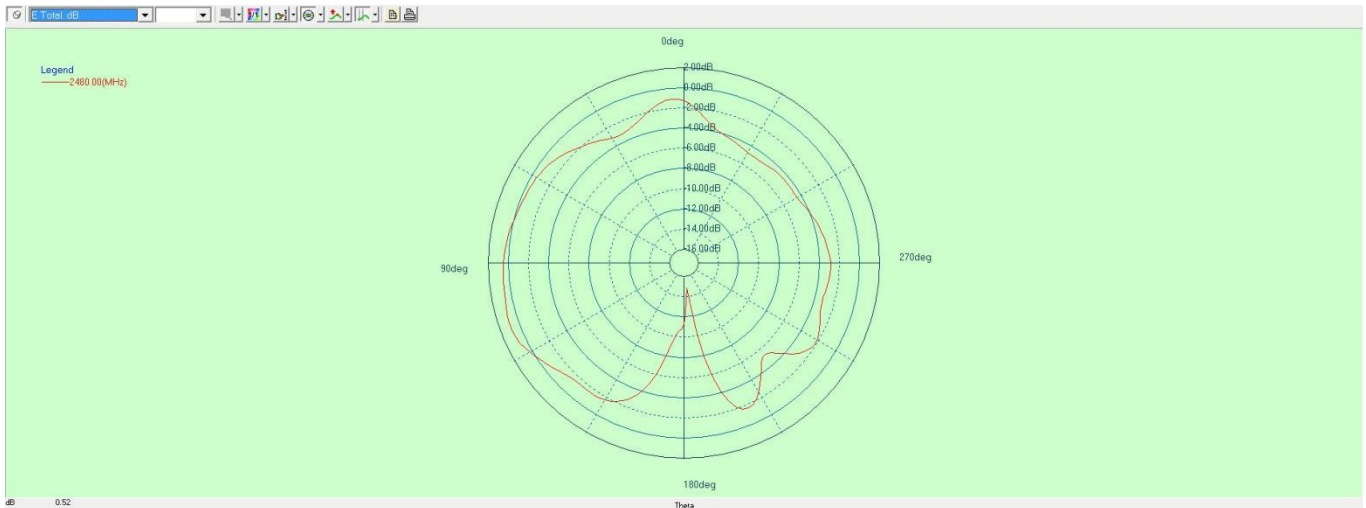
(1) E1, XZ Plane, phi=0



2402MHz

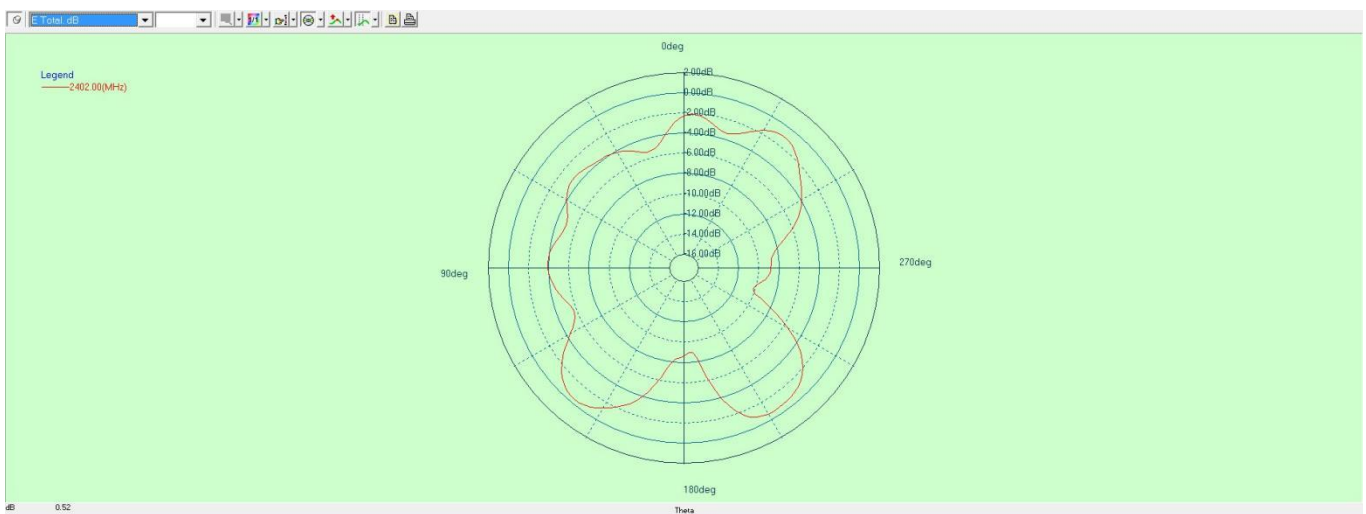


2426MHz

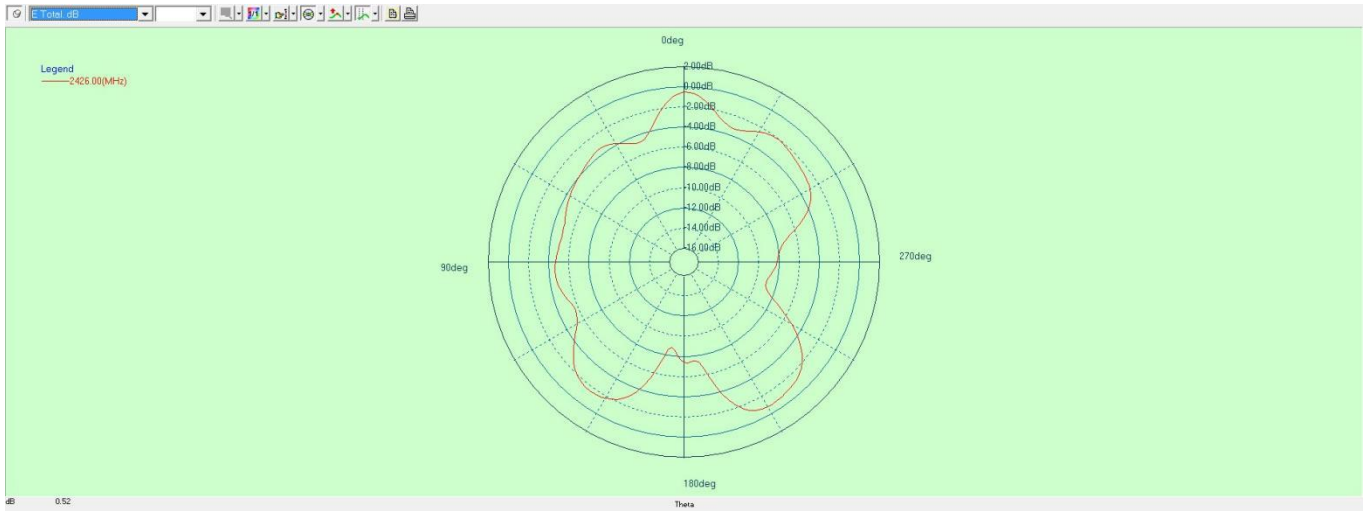


2480MHz

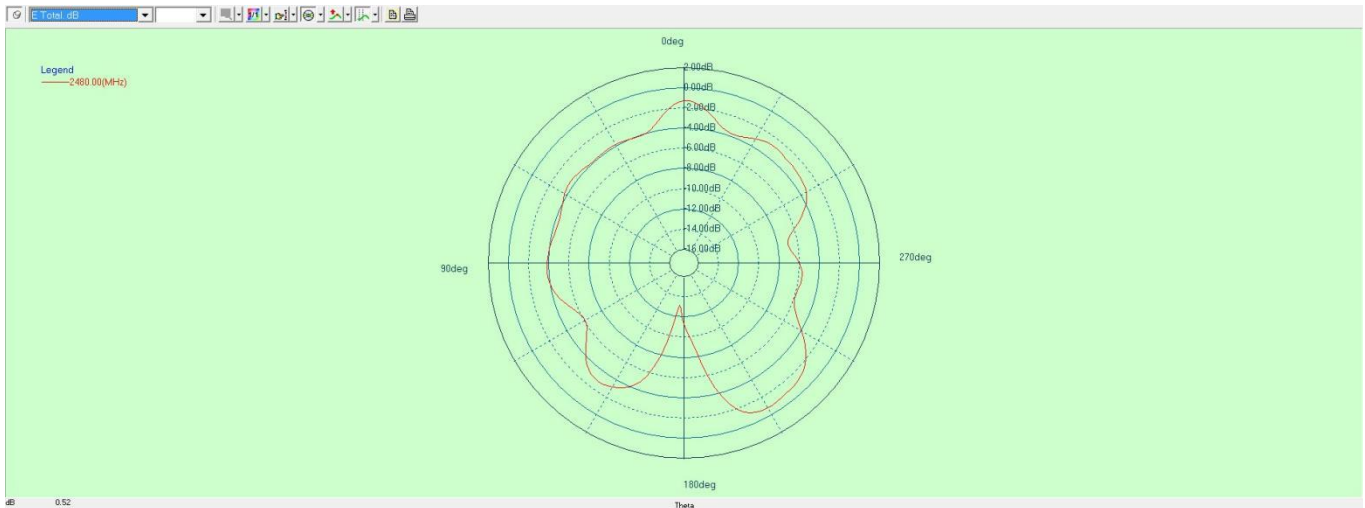
(2) E2, YZ Plane, $\phi=90^\circ$



2402MHz



2426MHz

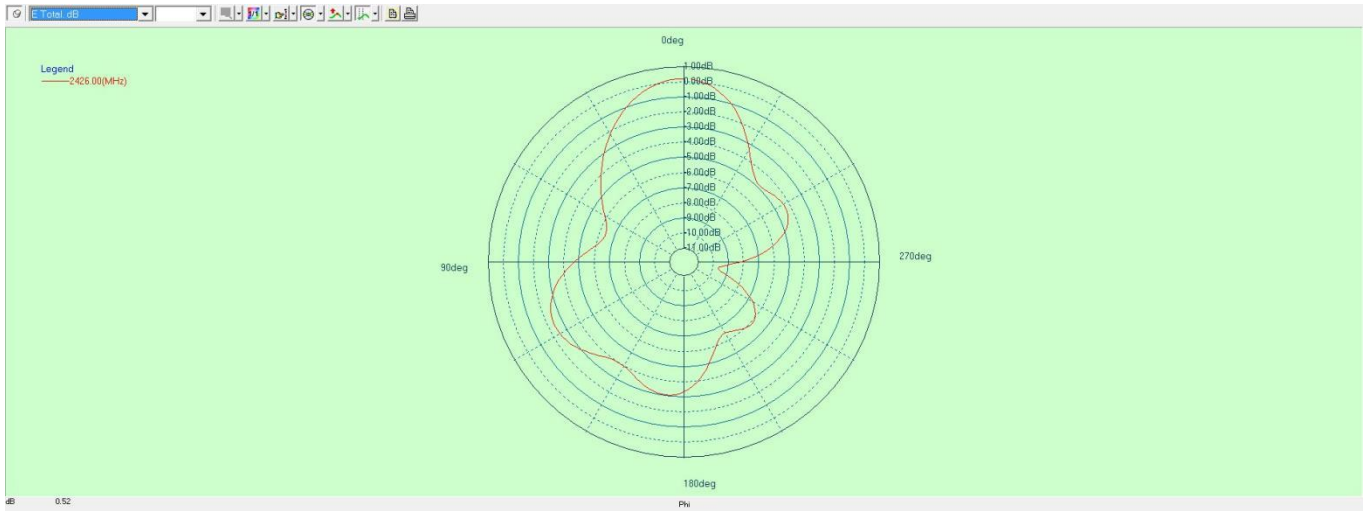


2480MHz

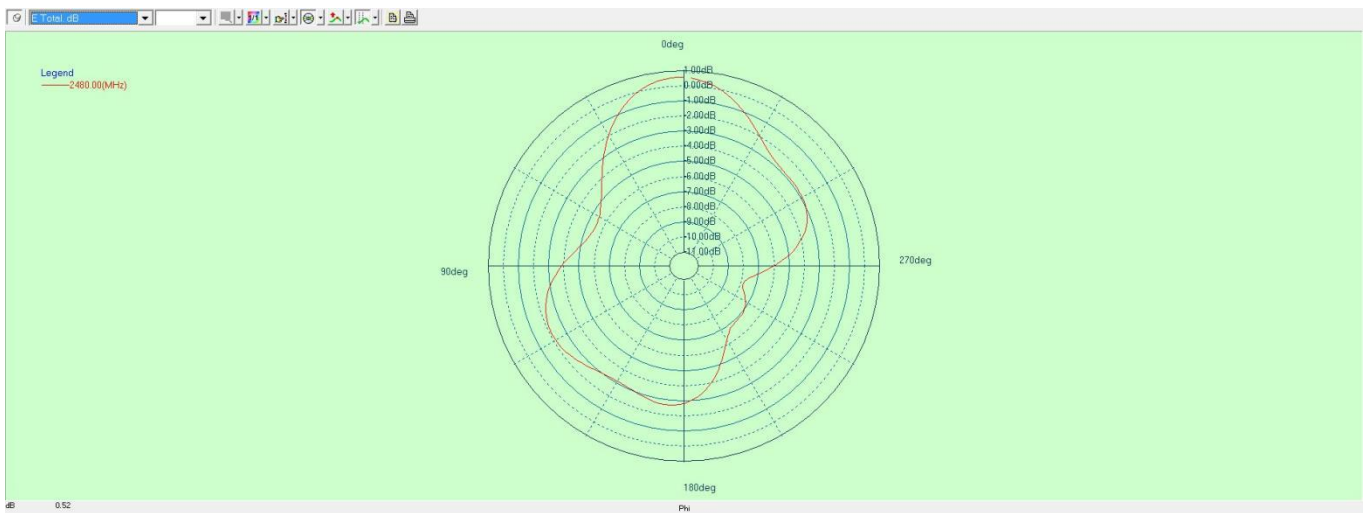
(3) H, XY plane, theta=90°



2402MHz



2426MHz



2480MHz