

BT Antenna Product Approval

Date: 2022.11.18

一、Antenna introduction

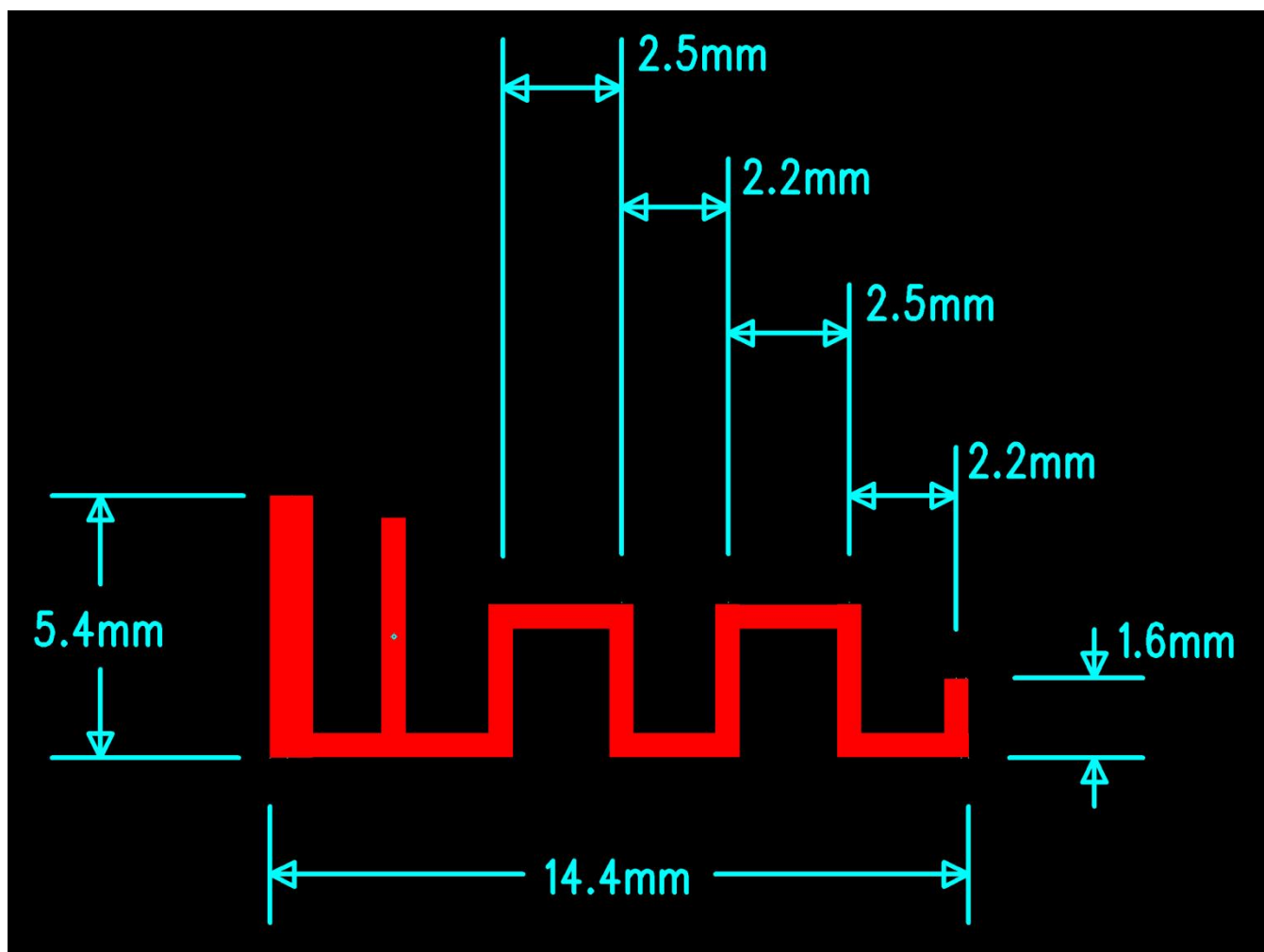
The antenna is directly made on the PCB board in the on-board mode, the antenna is copper poison-spray tin process, the copper foil thickness is 10Z, the plate is FR-1 thickness 1.6mm material

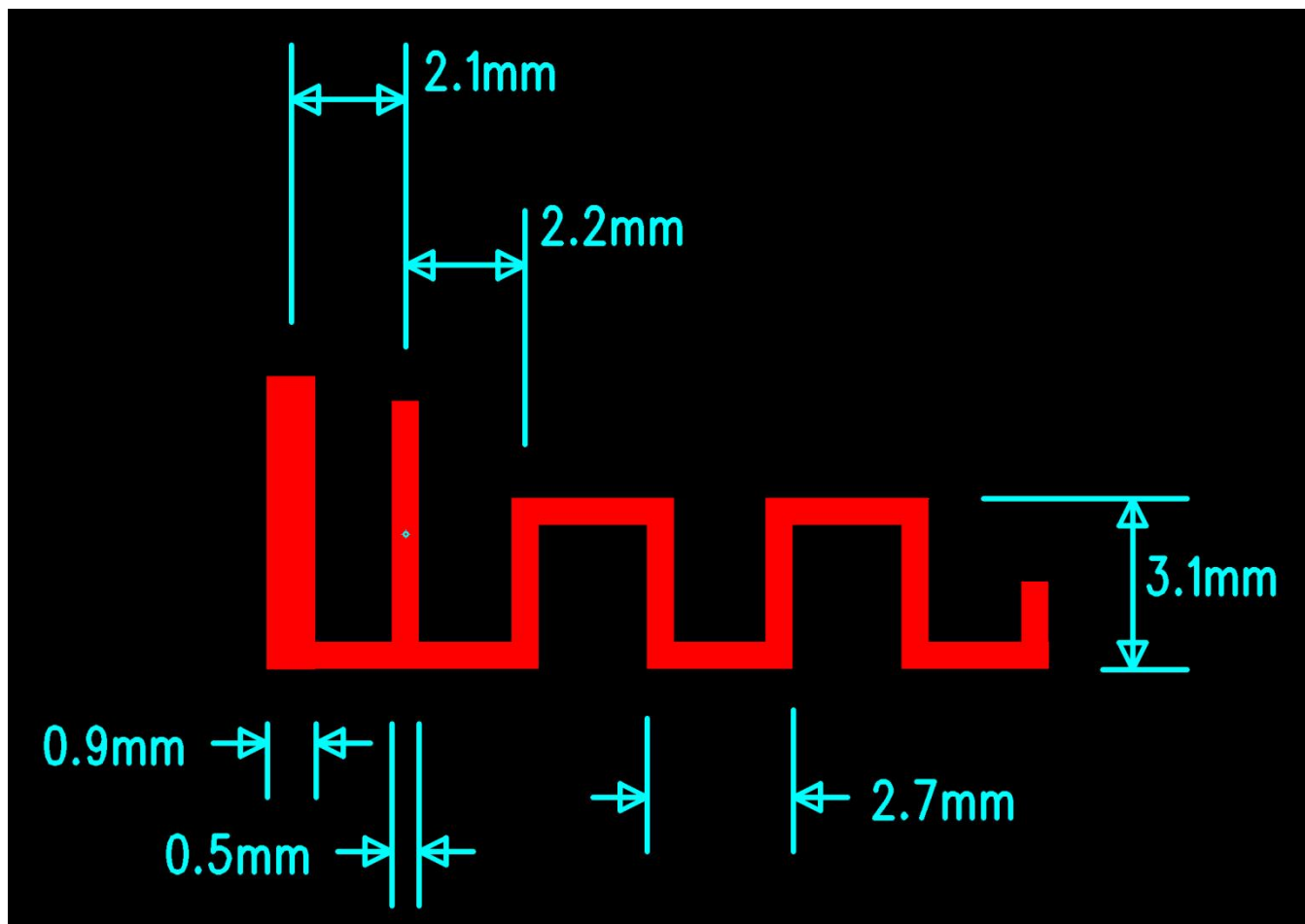
二、Antenna configuration

1、Physical drawing



2、Size: 14.5mm * 5.4mm

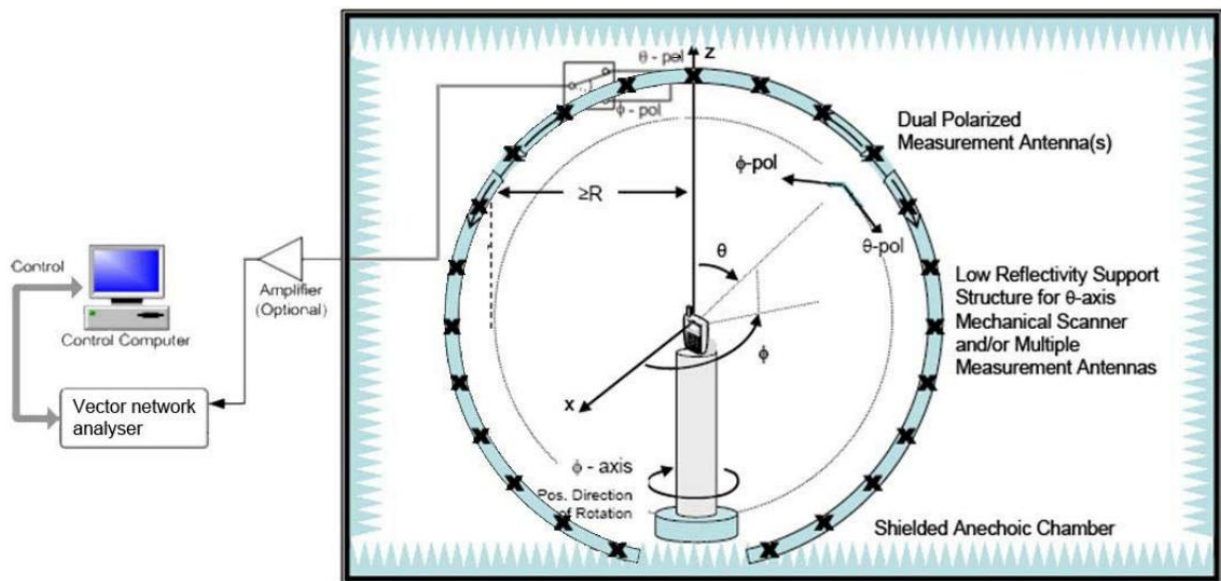




三、Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400 MHz	13.44	-0.41
2410 MHz	14.44	-0.18
2420 MHz	15.98	0.34
2430 MHz	16.60	0.50
2440 MHz	16.87	0.38
2450 MHz	15.32	-0.01
2460 MHz	14.23	-0.06
2470 MHz	13.30	-0.42
2480 MHz	12.98	-0.74
2490 MHz	12.30	-0.85
2500 MHz	11.39	-1.13

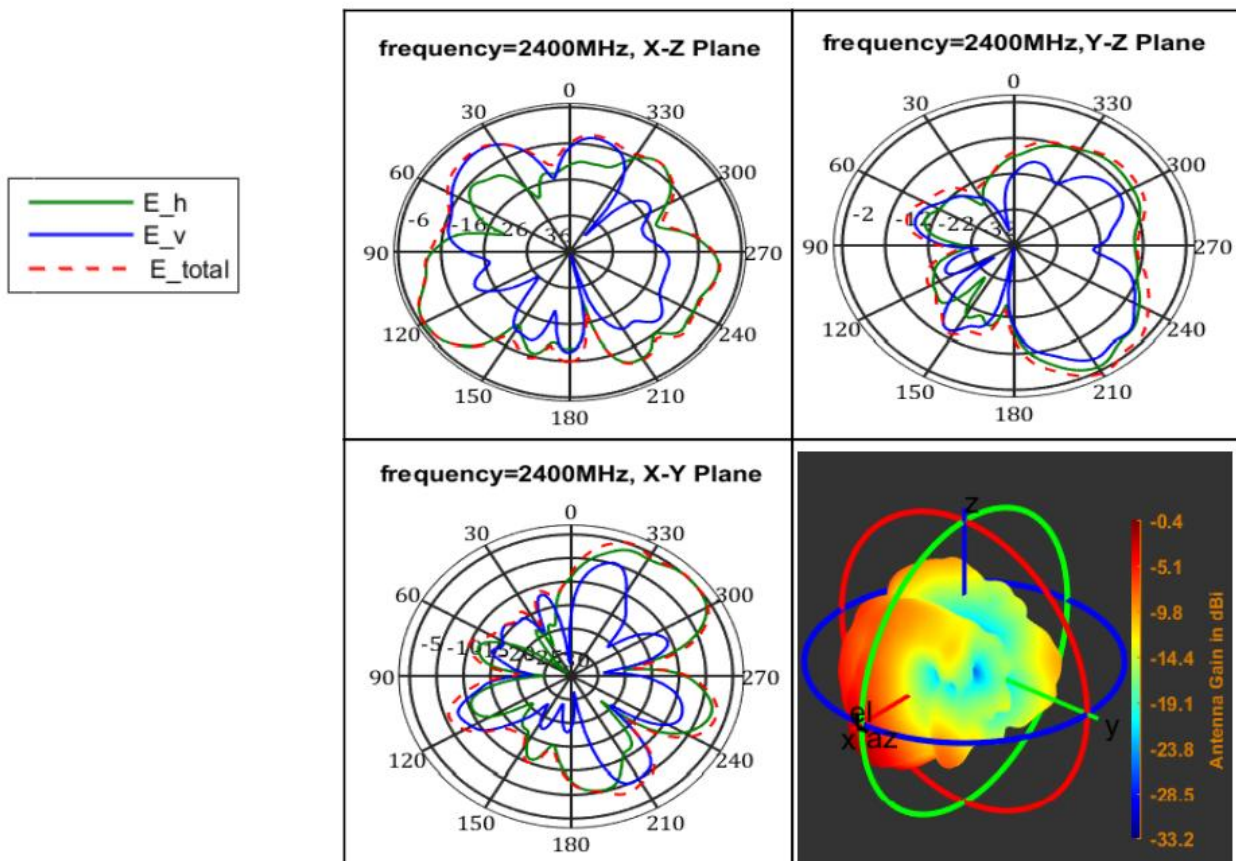
四、Test Setup:



五、Antenna Radiation Pattern

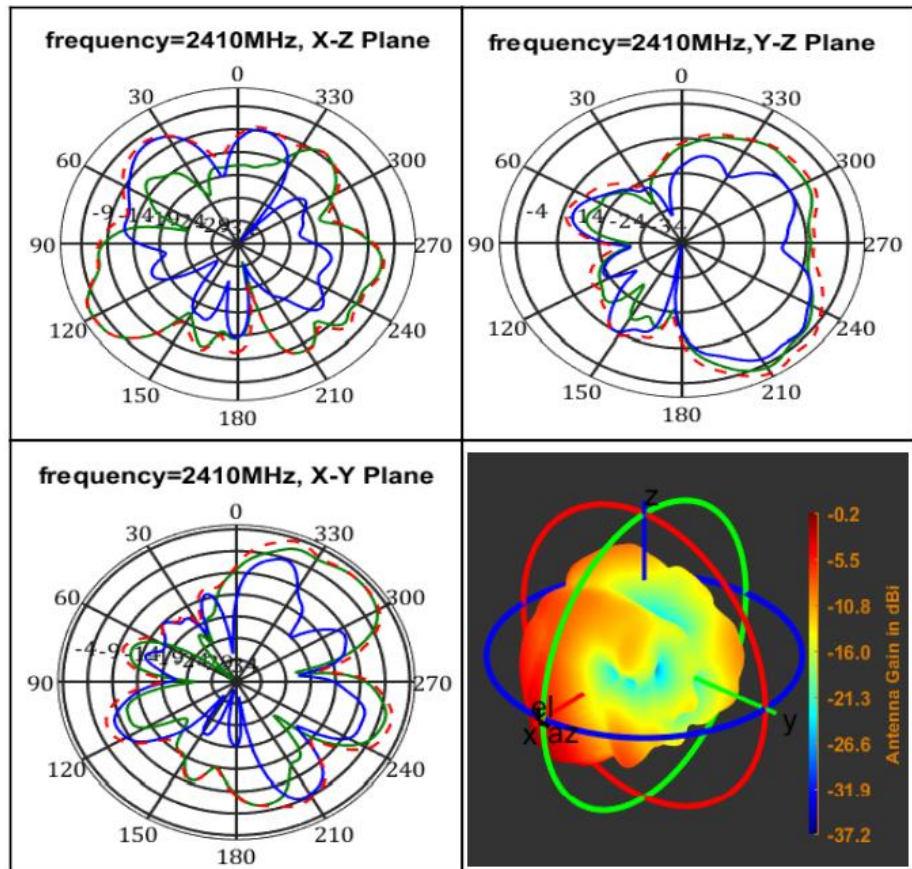
Antenna Radiation Pattern

2400Mhz



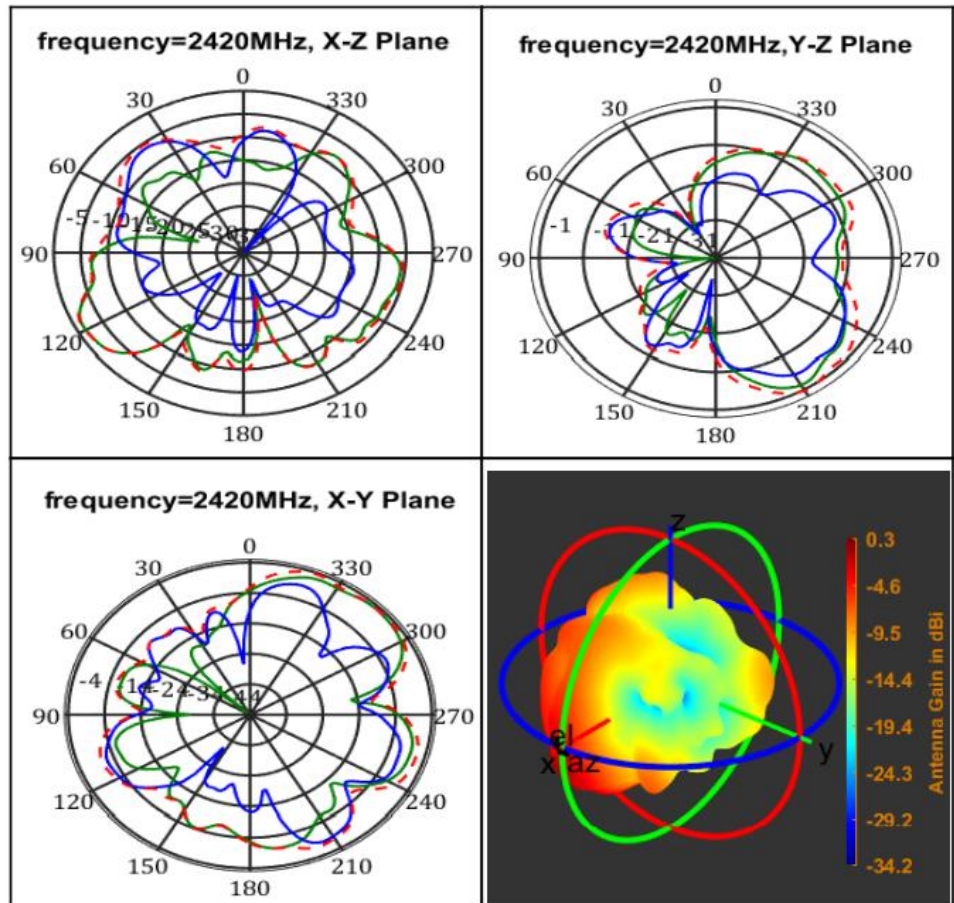
Antenna Radiation Pattern

2410Mhz



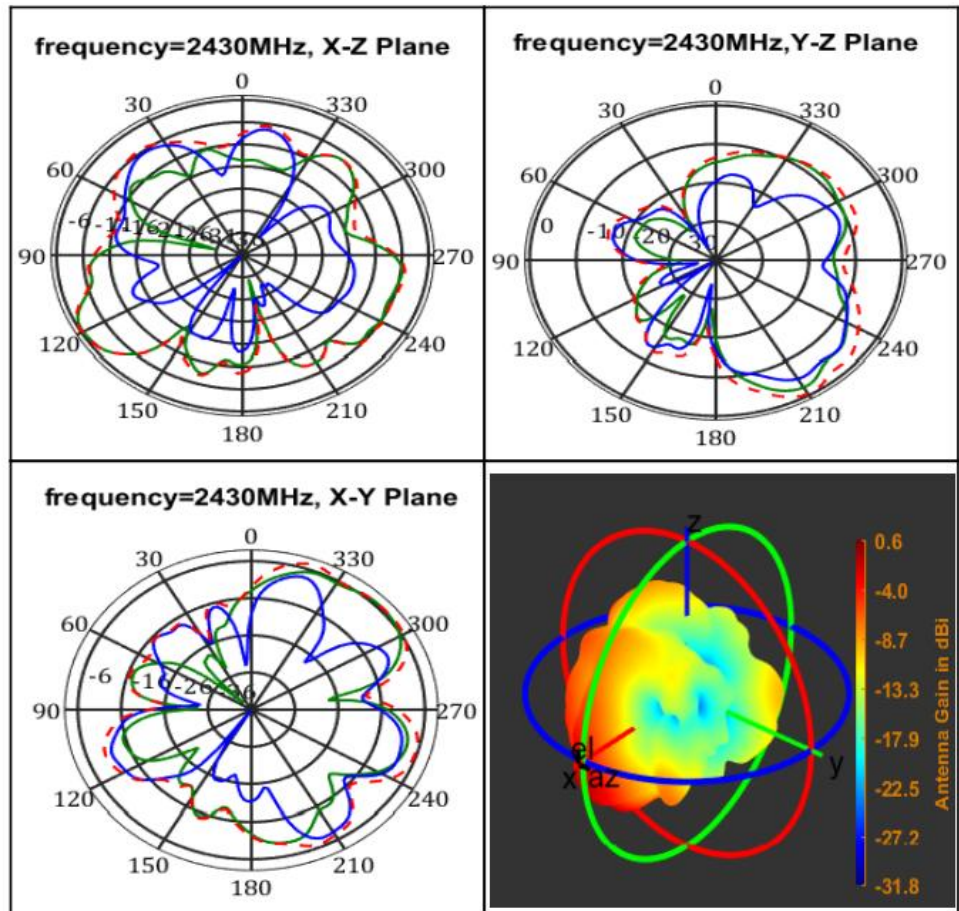
Antenna Radiation Pattern

2420Mhz



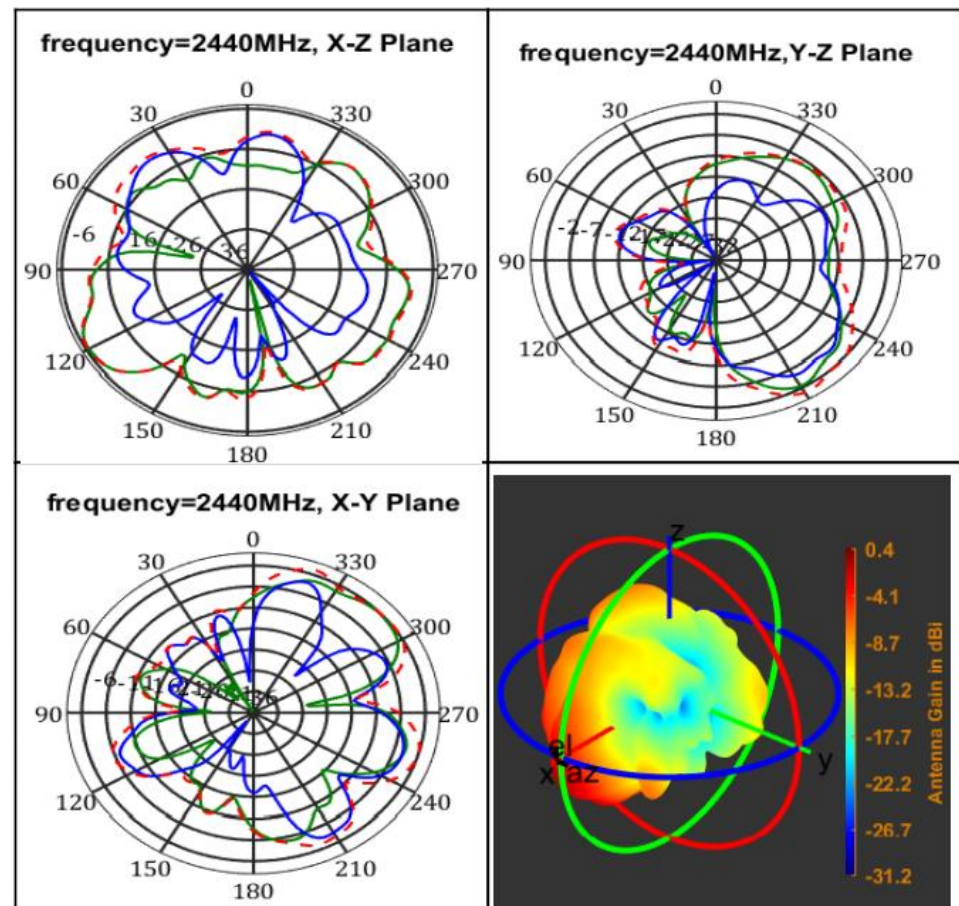
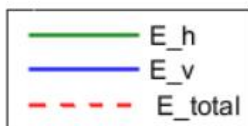
Antenna Radiation Pattern

2430Mhz



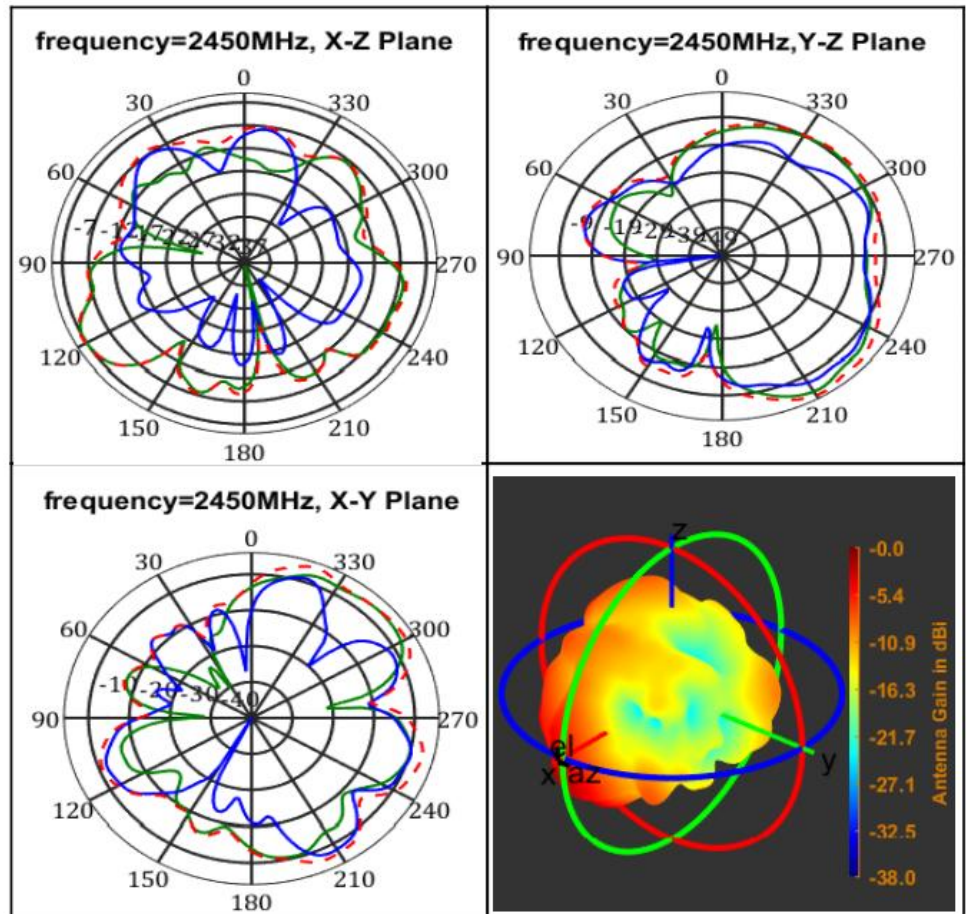
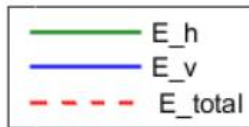
Antenna Radiation Pattern

2440Mhz



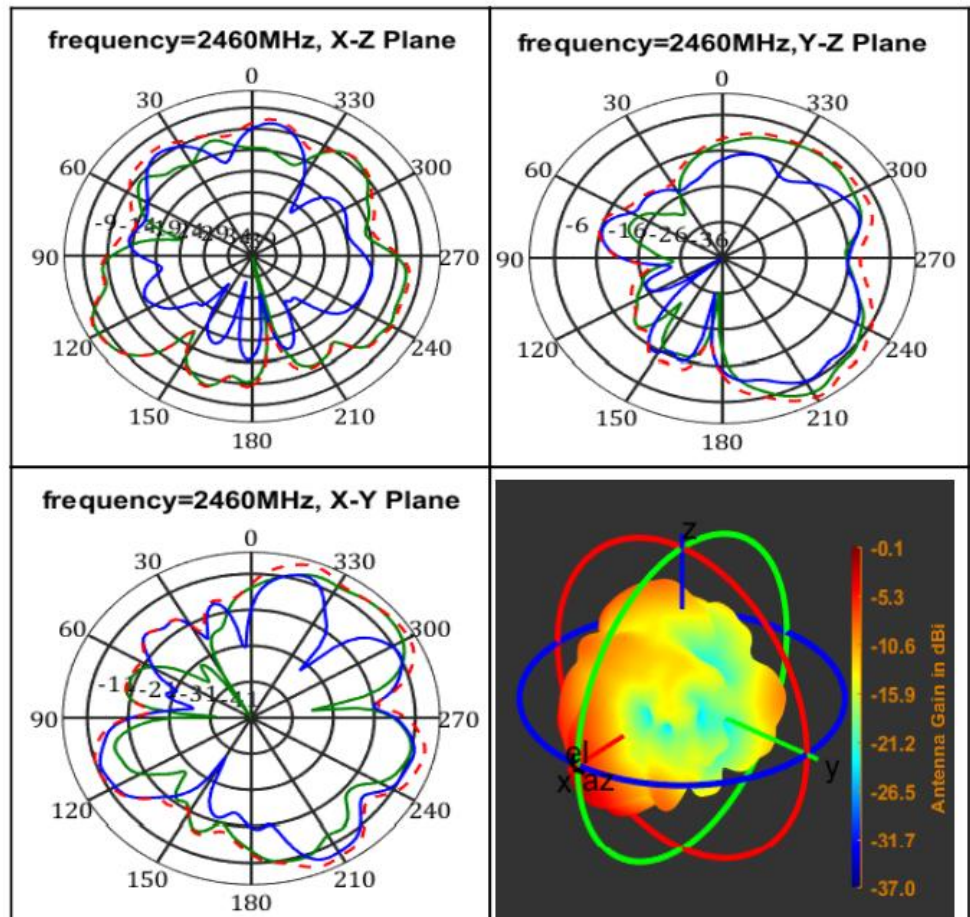
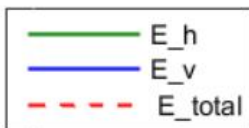
Antenna Radiation Pattern

2450Mhz



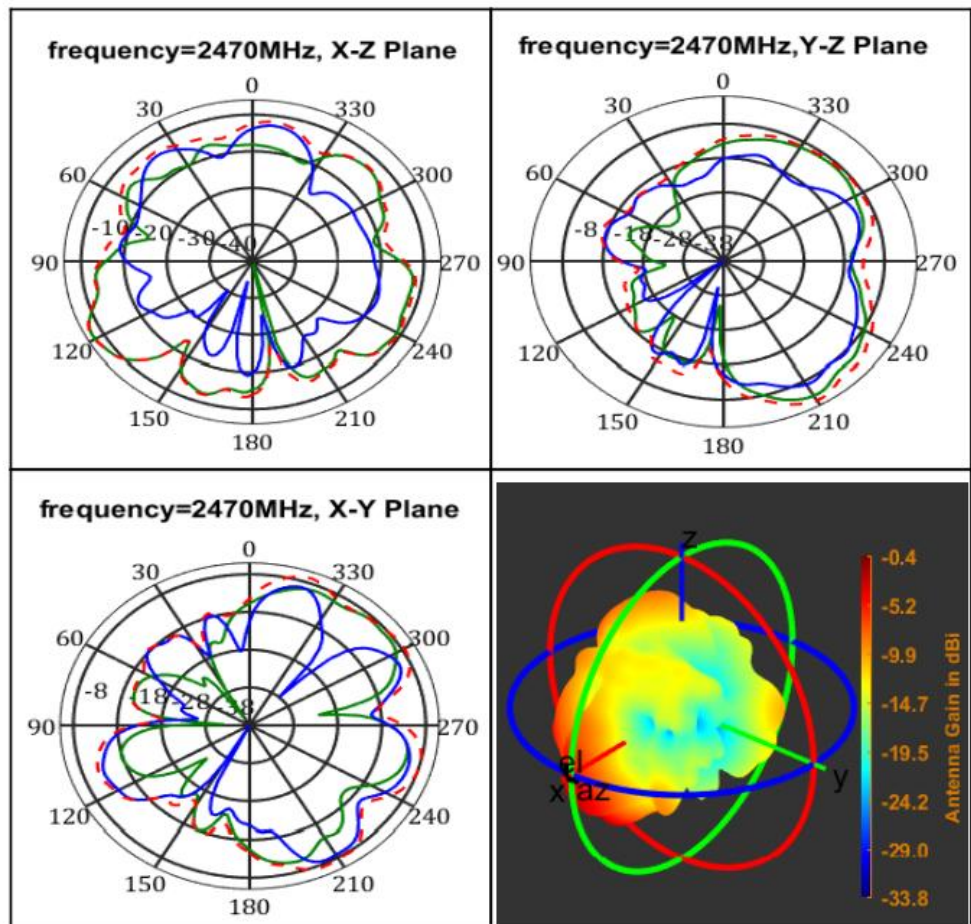
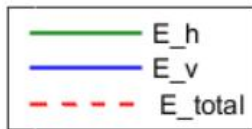
Antenna Radiation Pattern

2460Mhz



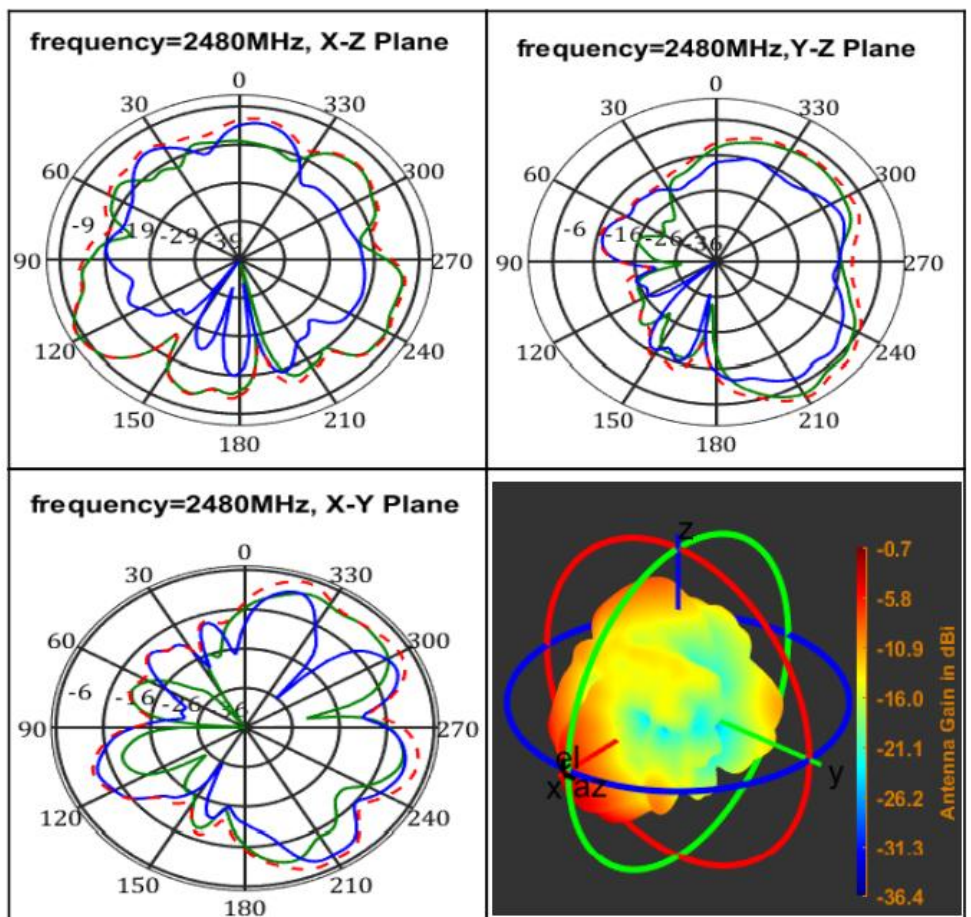
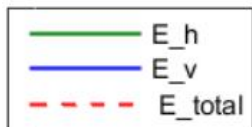
Antenna Radiation Pattern

2470Mhz



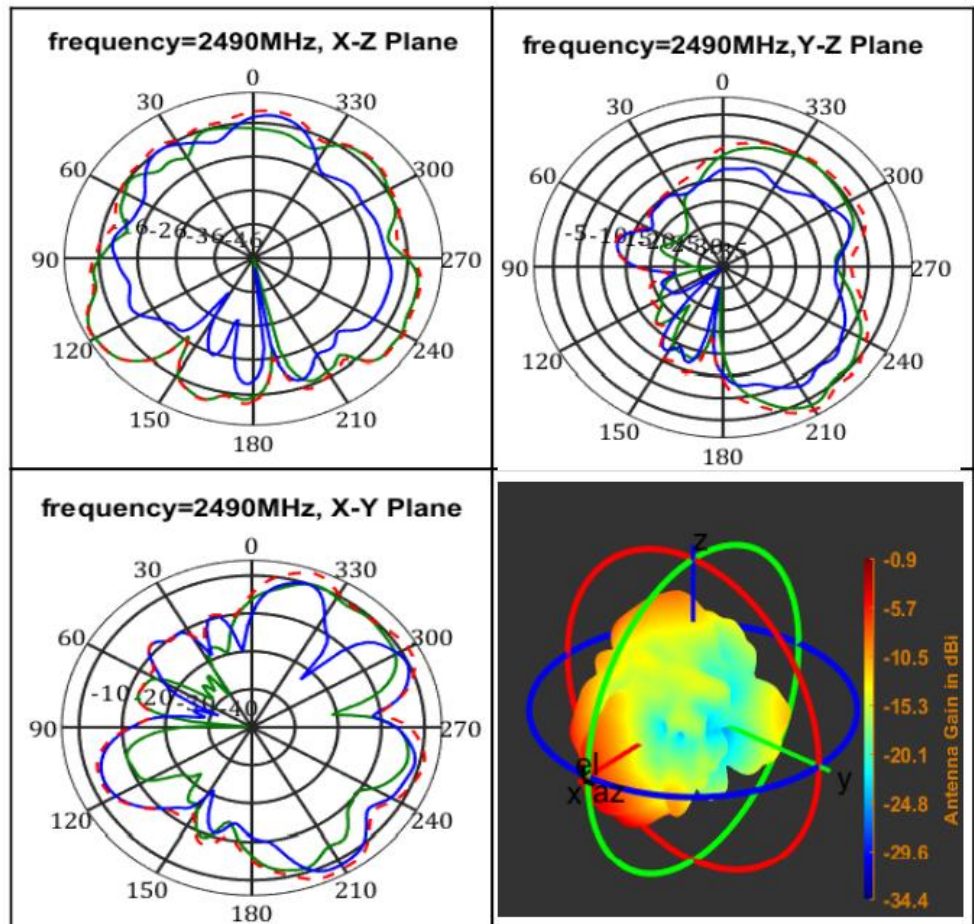
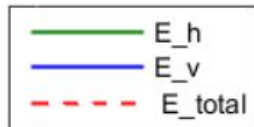
Antenna Radiation Pattern

2480Mhz



Antenna Radiation Pattern

2490Mhz



Antenna Radiation Pattern

2500Mhz

