

# BT Antenna Product Approval

Date: 2022.11.18

## 一、Antenna introduction

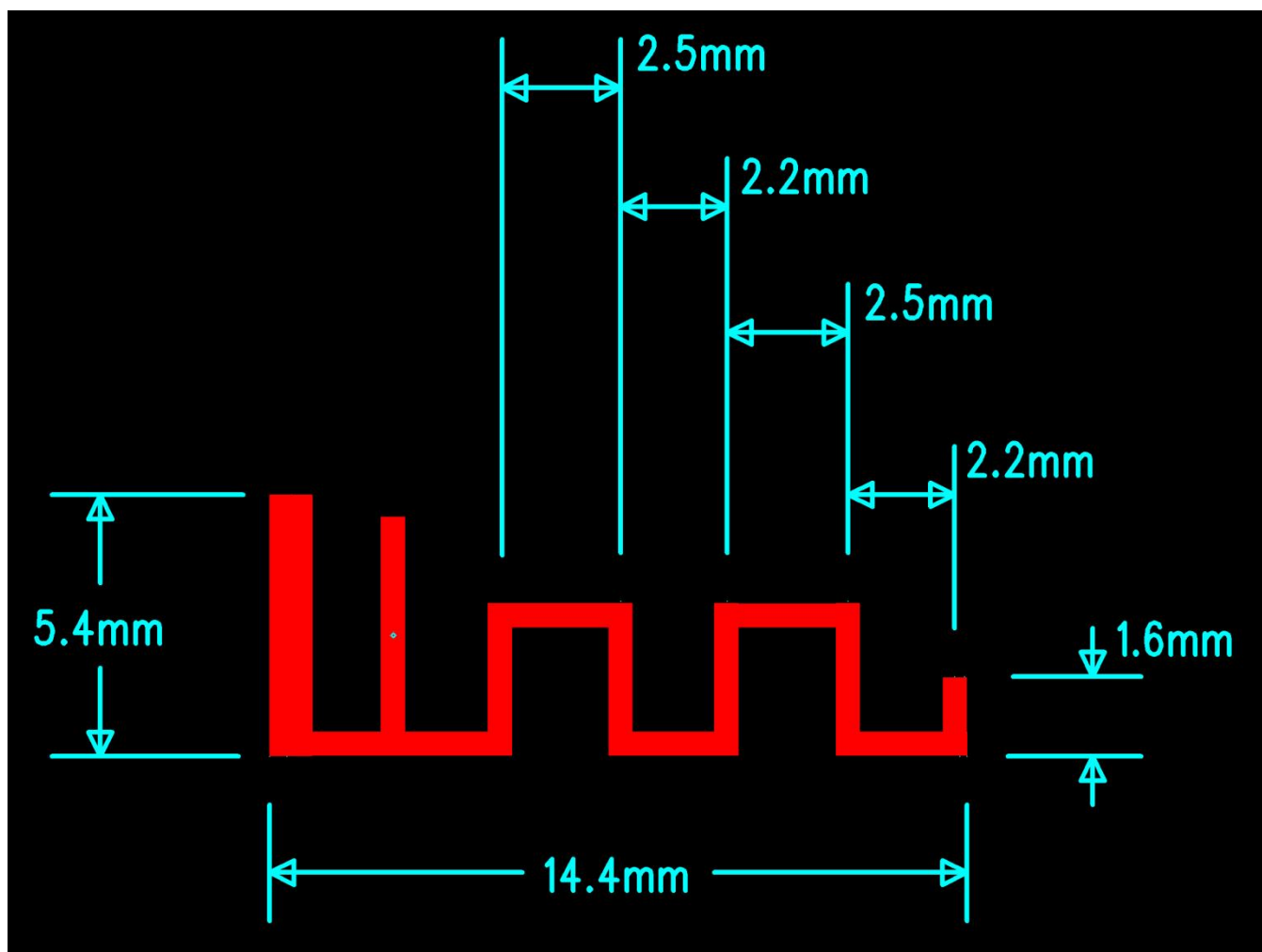
The antenna is directly made on the PCB board in the on-board mode, the antenna is copper poison-spray tin process, the copper foil thickness is 10Z, the plate is FR-1 thickness 1.6mm material

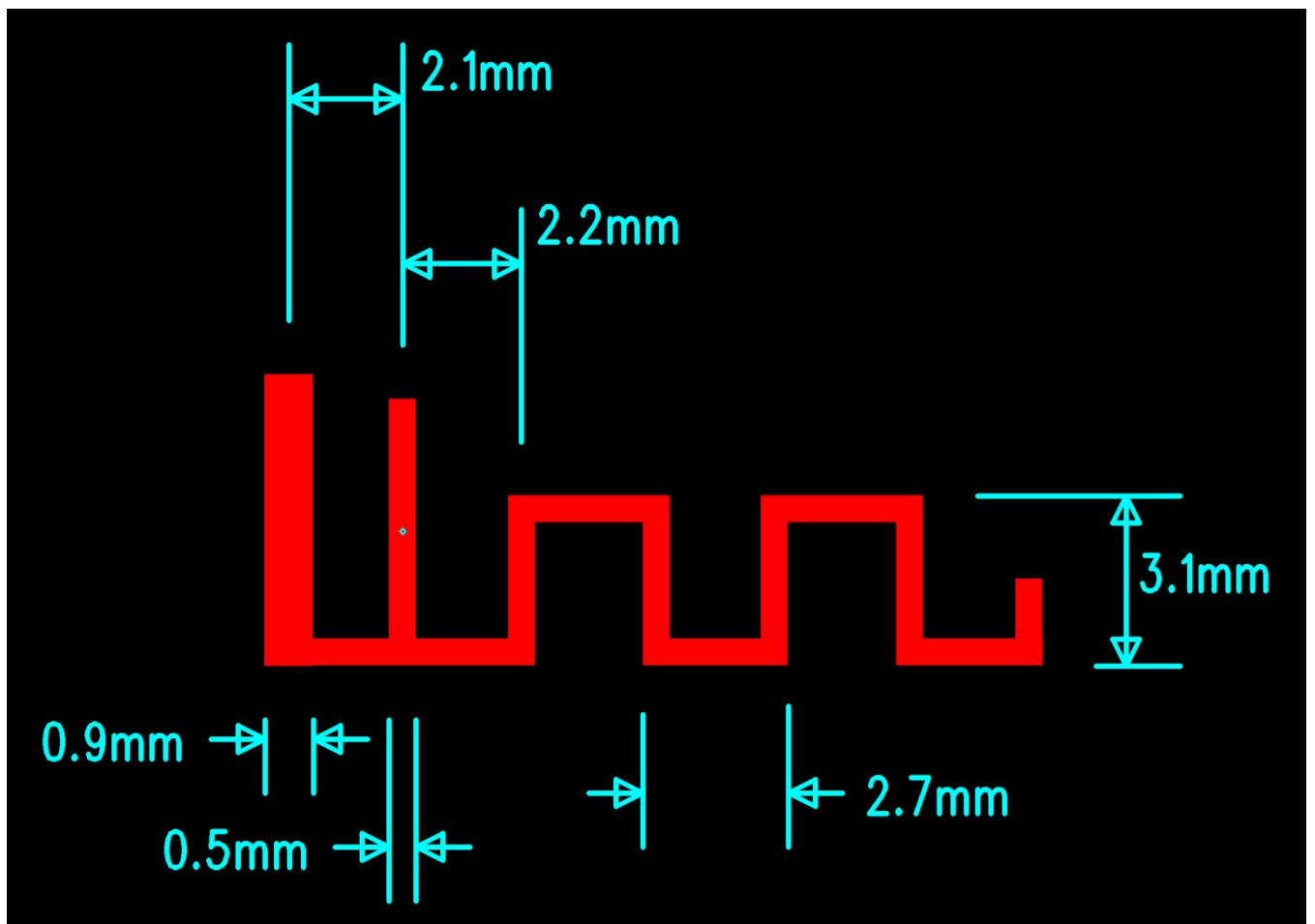
## 二、Antenna configuration

### 1、Physical drawing



2、Size: 14.5mm \* 5.4mm

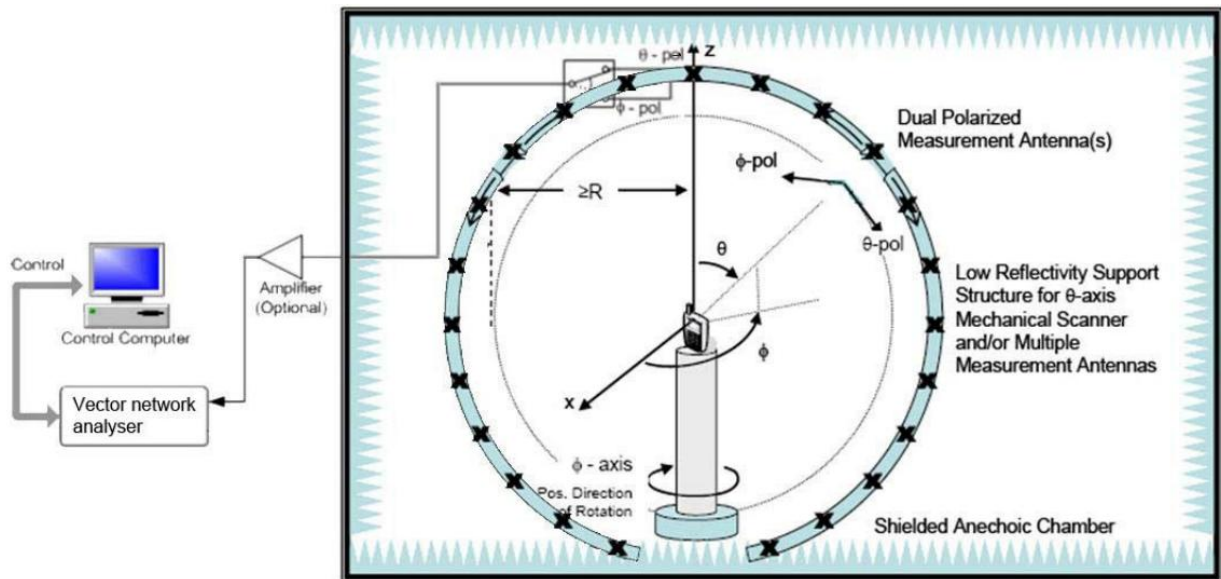




### 三、Antenna gain and efficiency

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

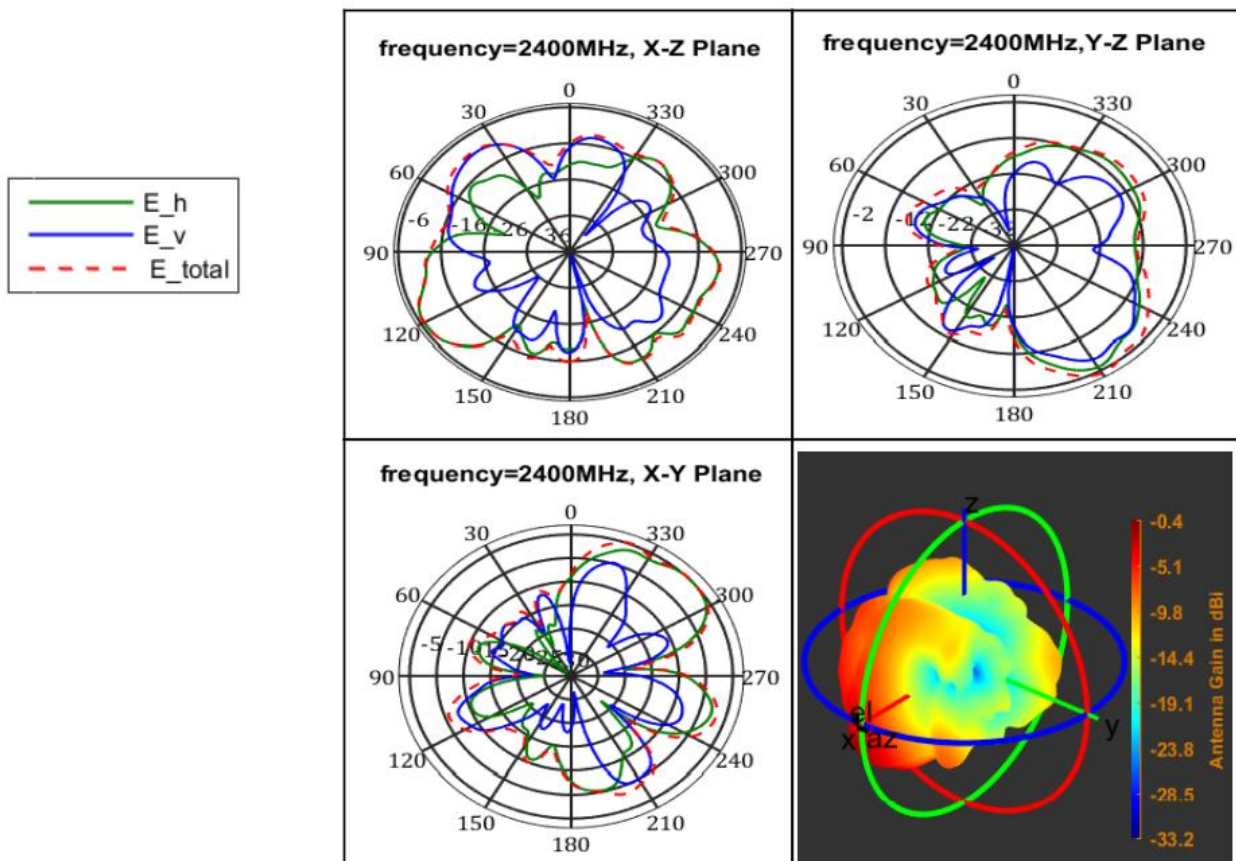
#### 四、Test Setup:



#### 五、Antenna Radiation Pattern

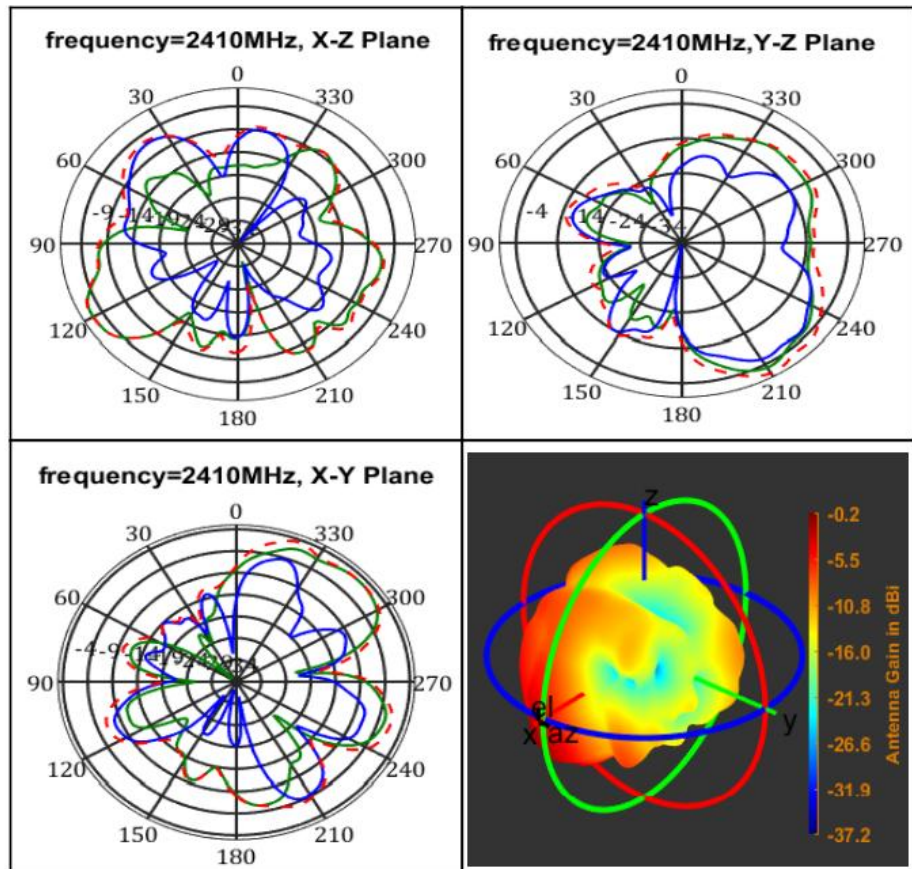
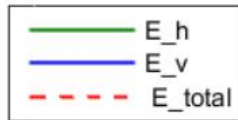
Antenna Radiation Pattern

2400Mhz



## Antenna Radiation Pattern

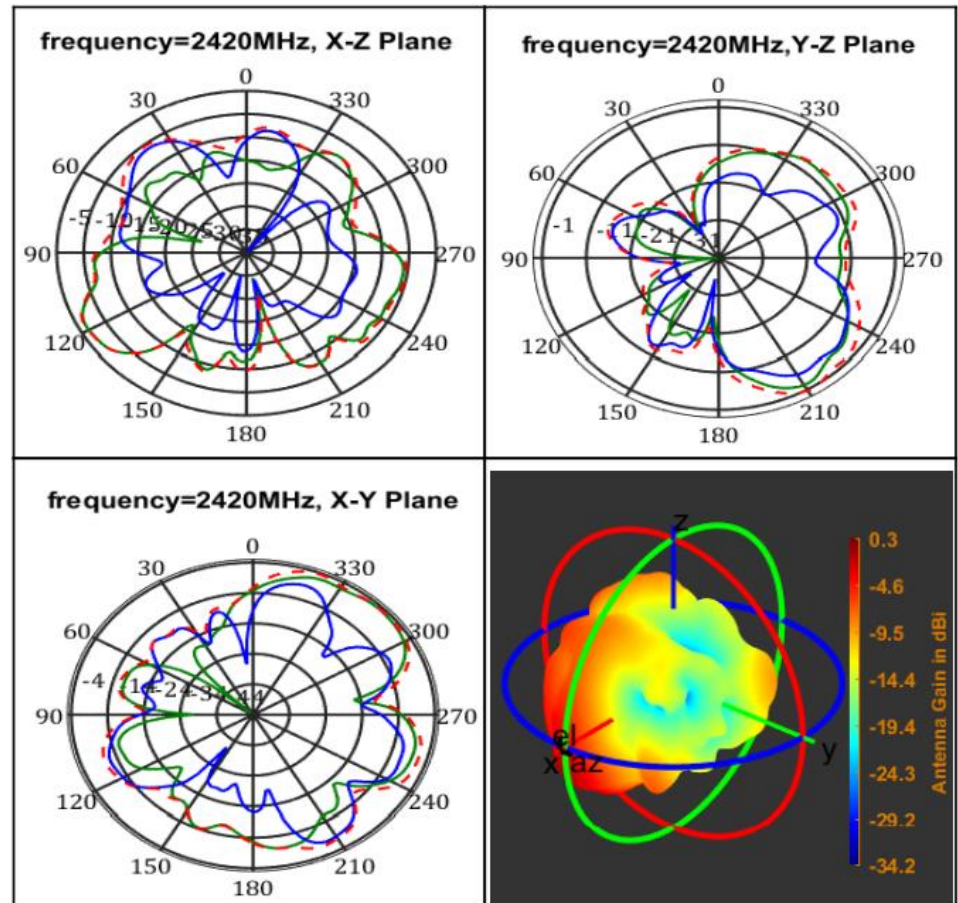
2410Mhz





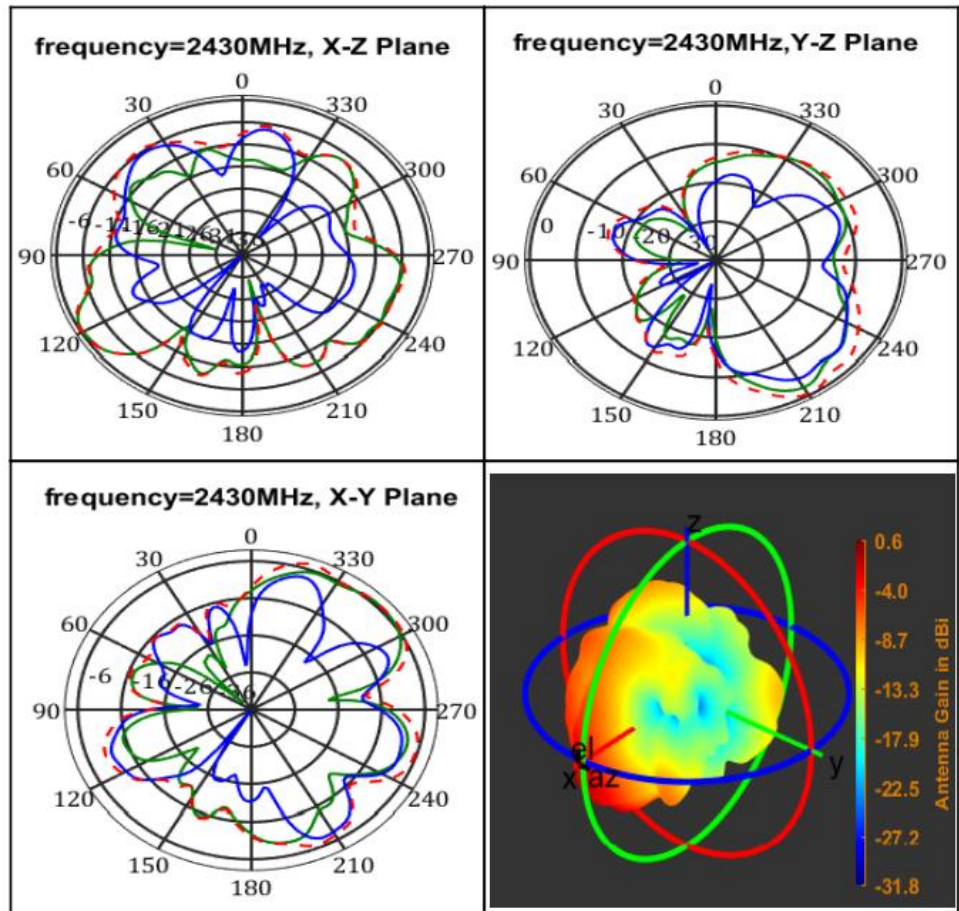
# Antenna Radiation Pattern

2420Mhz



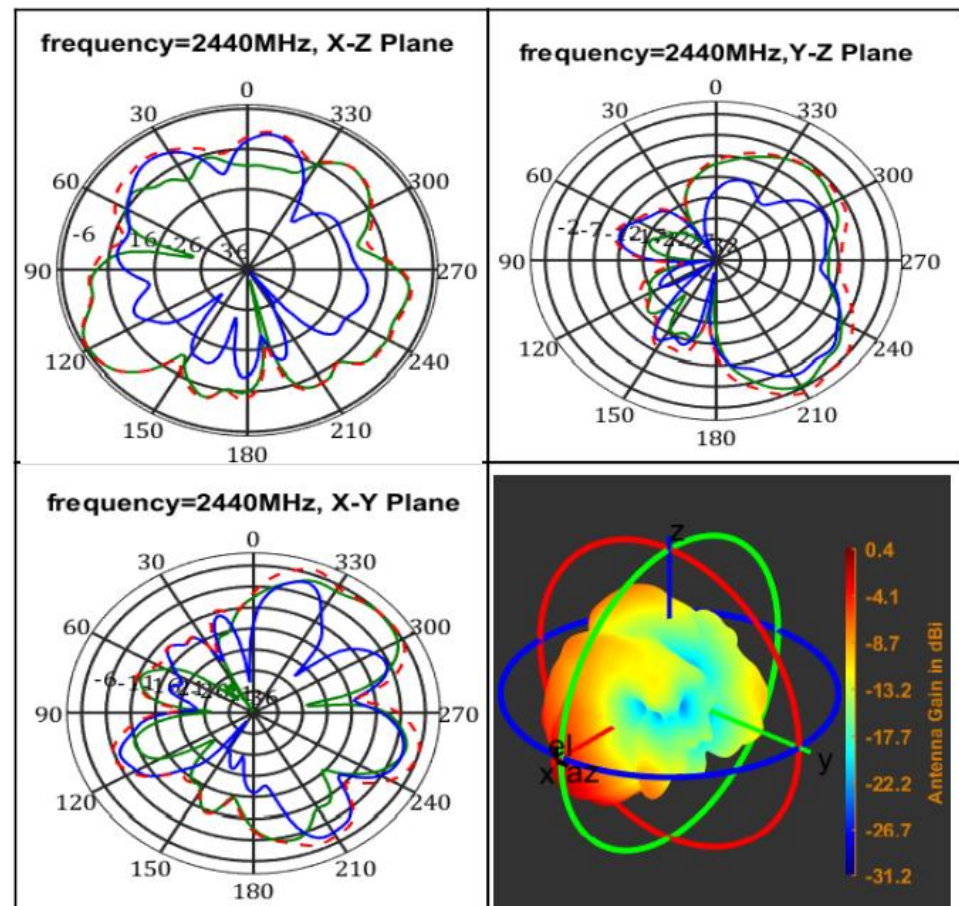
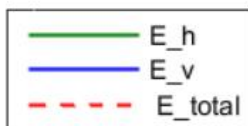
## Antenna Radiation Pattern

2430Mhz



## Antenna Radiation Pattern

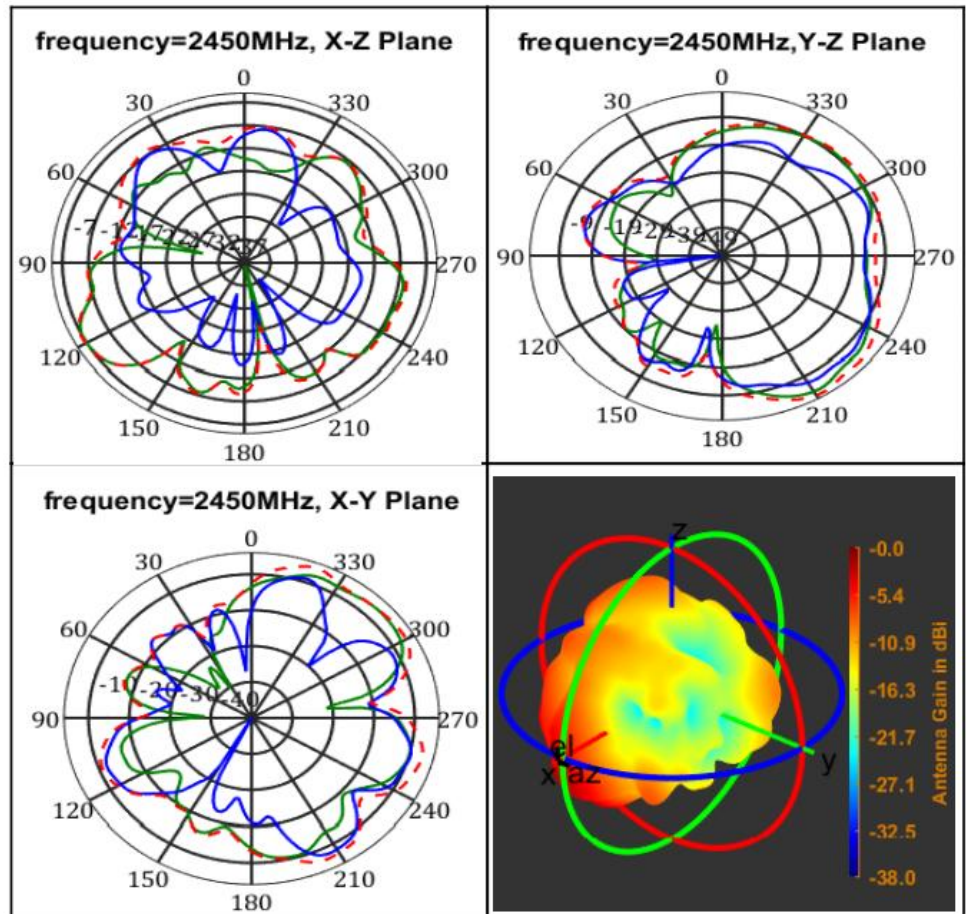
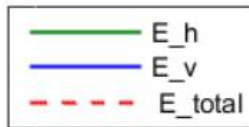
2440Mhz





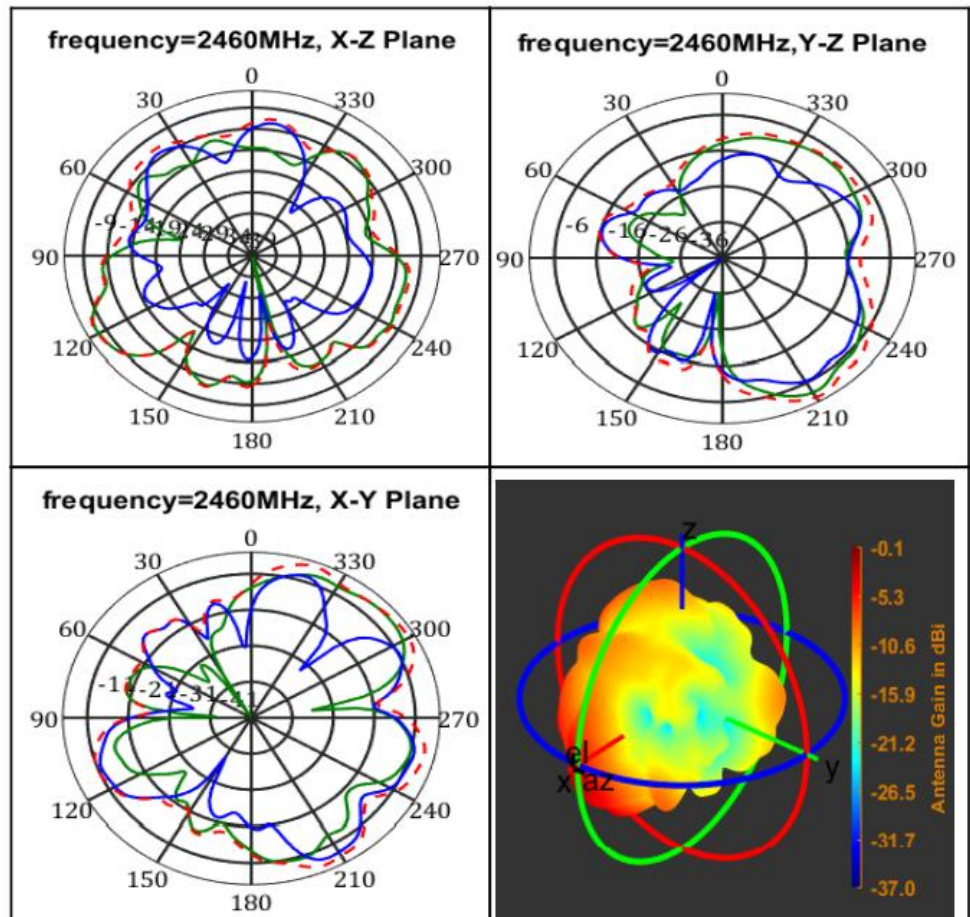
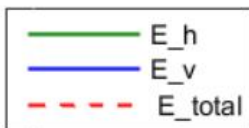
## Antenna Radiation Pattern

2450Mhz



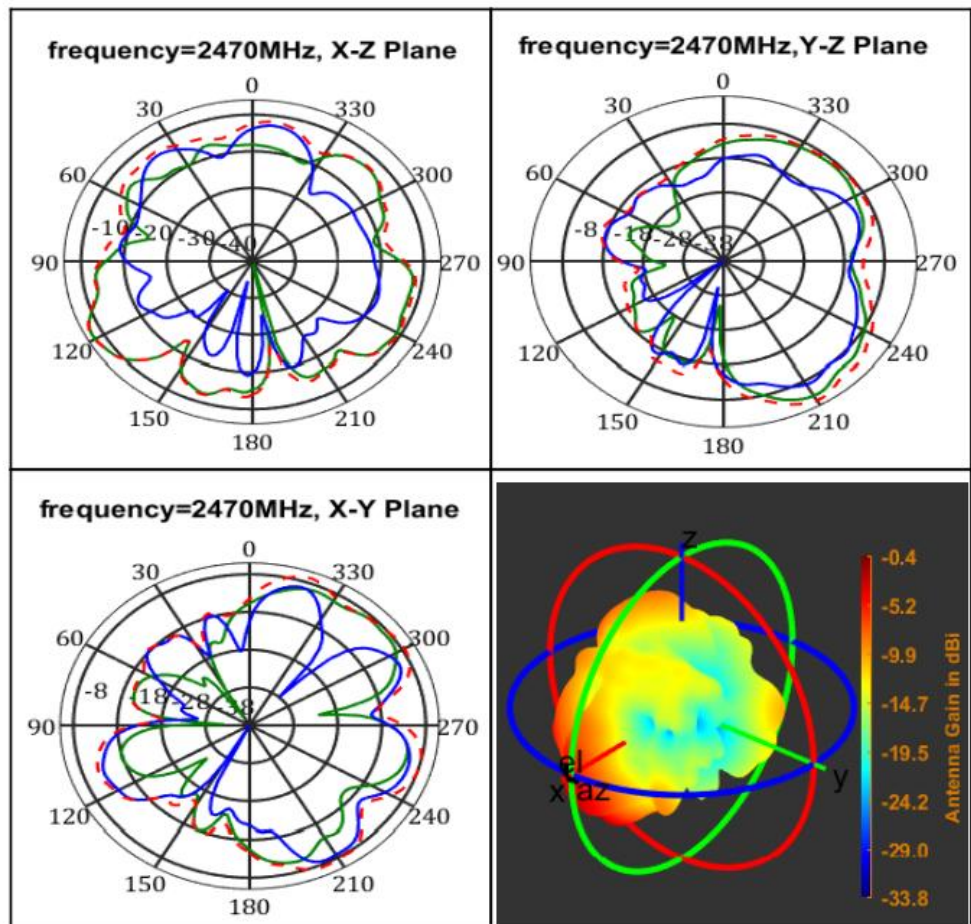
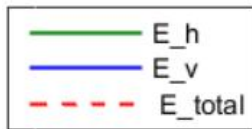
## Antenna Radiation Pattern

2460Mhz



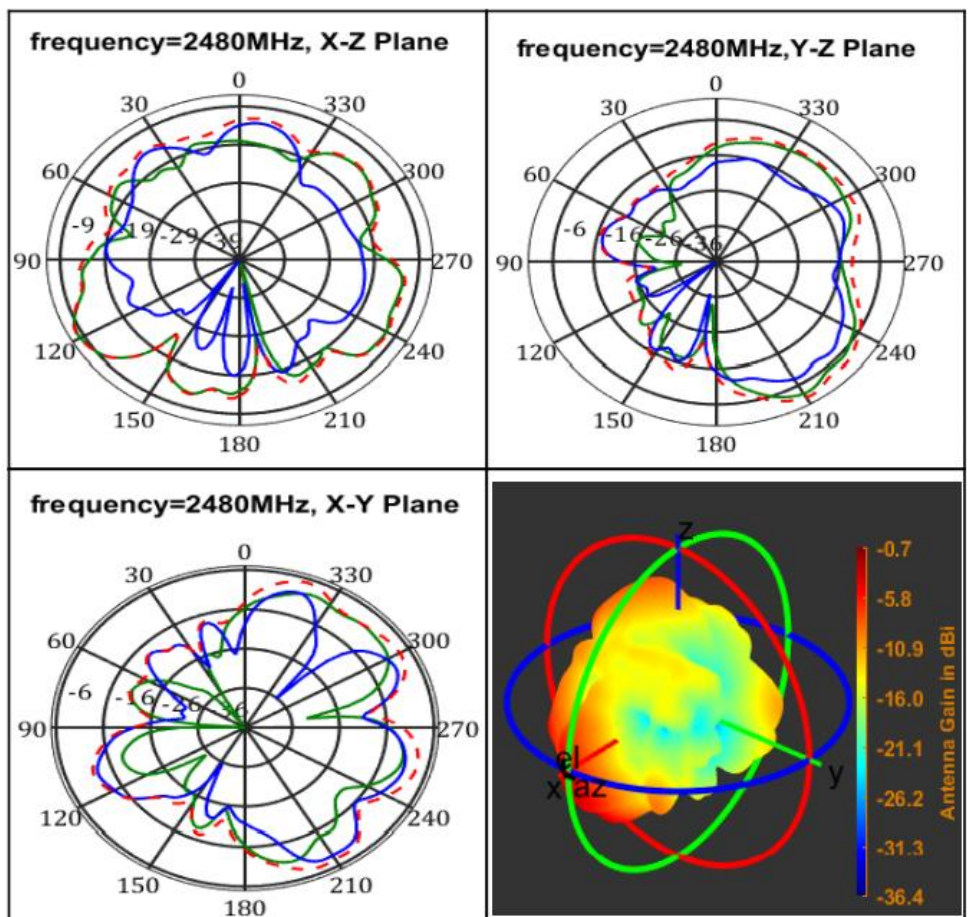
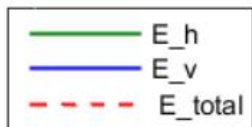
## Antenna Radiation Pattern

2470Mhz



## Antenna Radiation Pattern

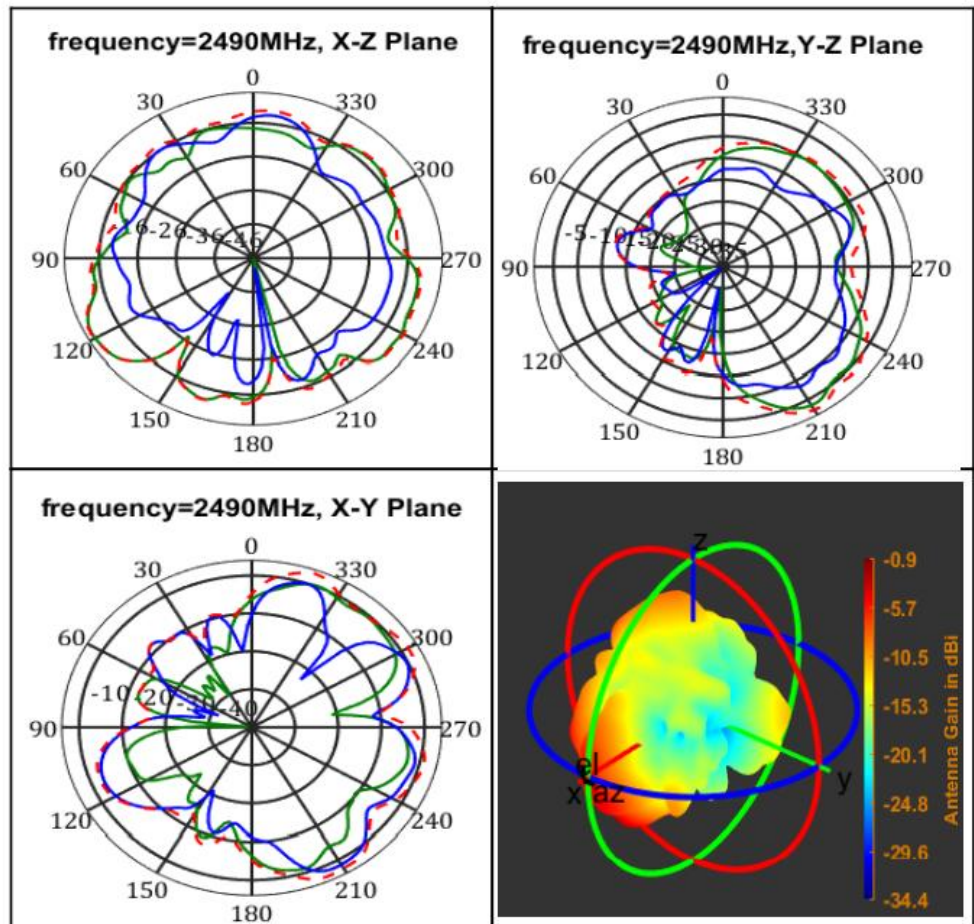
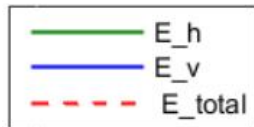
2480Mhz





## Antenna Radiation Pattern

2490Mhz



## Antenna Radiation Pattern

2500Mhz

