

蓝牙天线规格书

BT Antenna Product Approval

时间：2022. 11. 18

Manufacturer: Shenzhen Shang Lianhui Electronic Commerce Co, Ltd

Address: Wansheng Sci Tech Innovation 204, Bantian Street, Longgang District, Shenzhen

一、天线简介

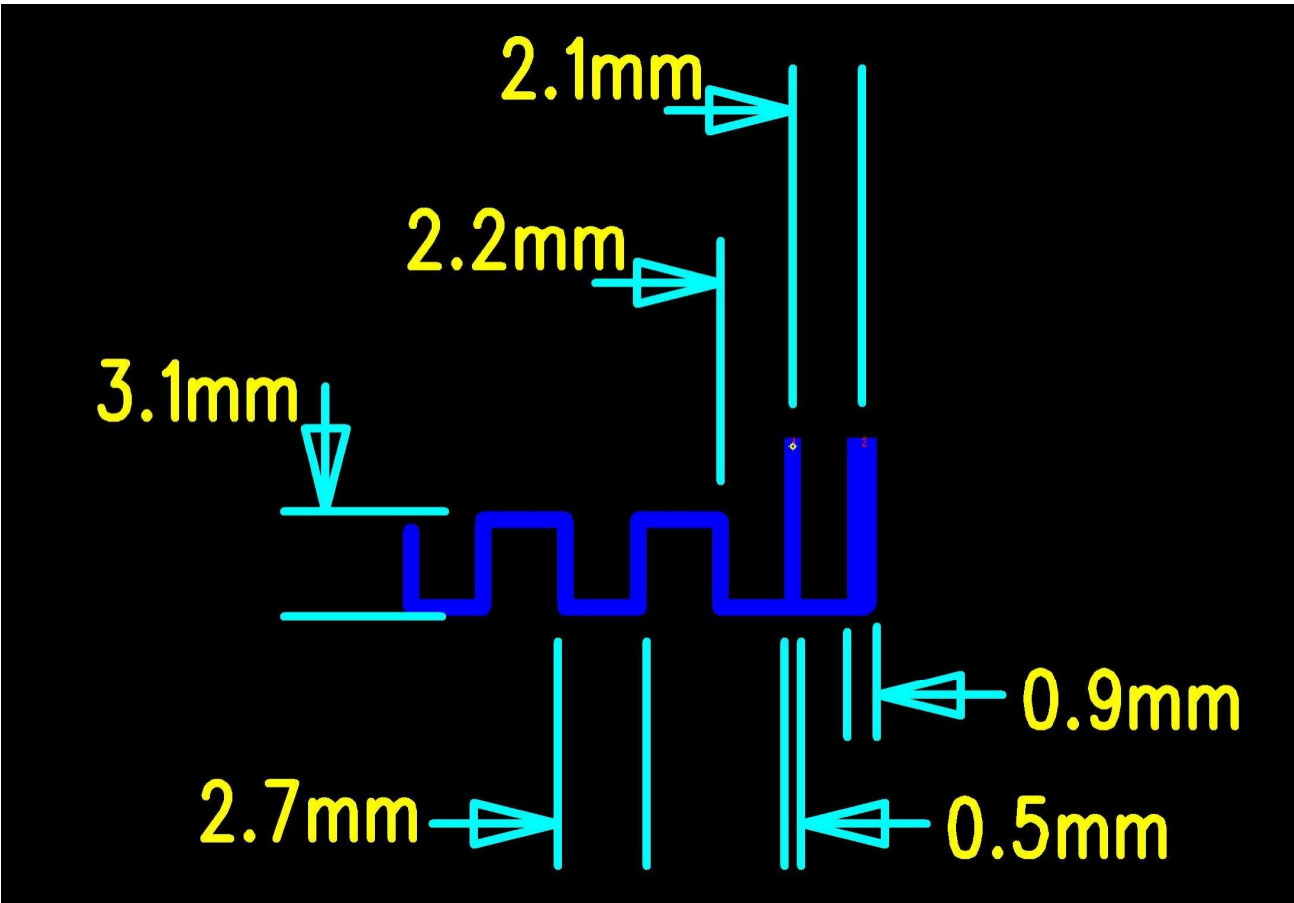
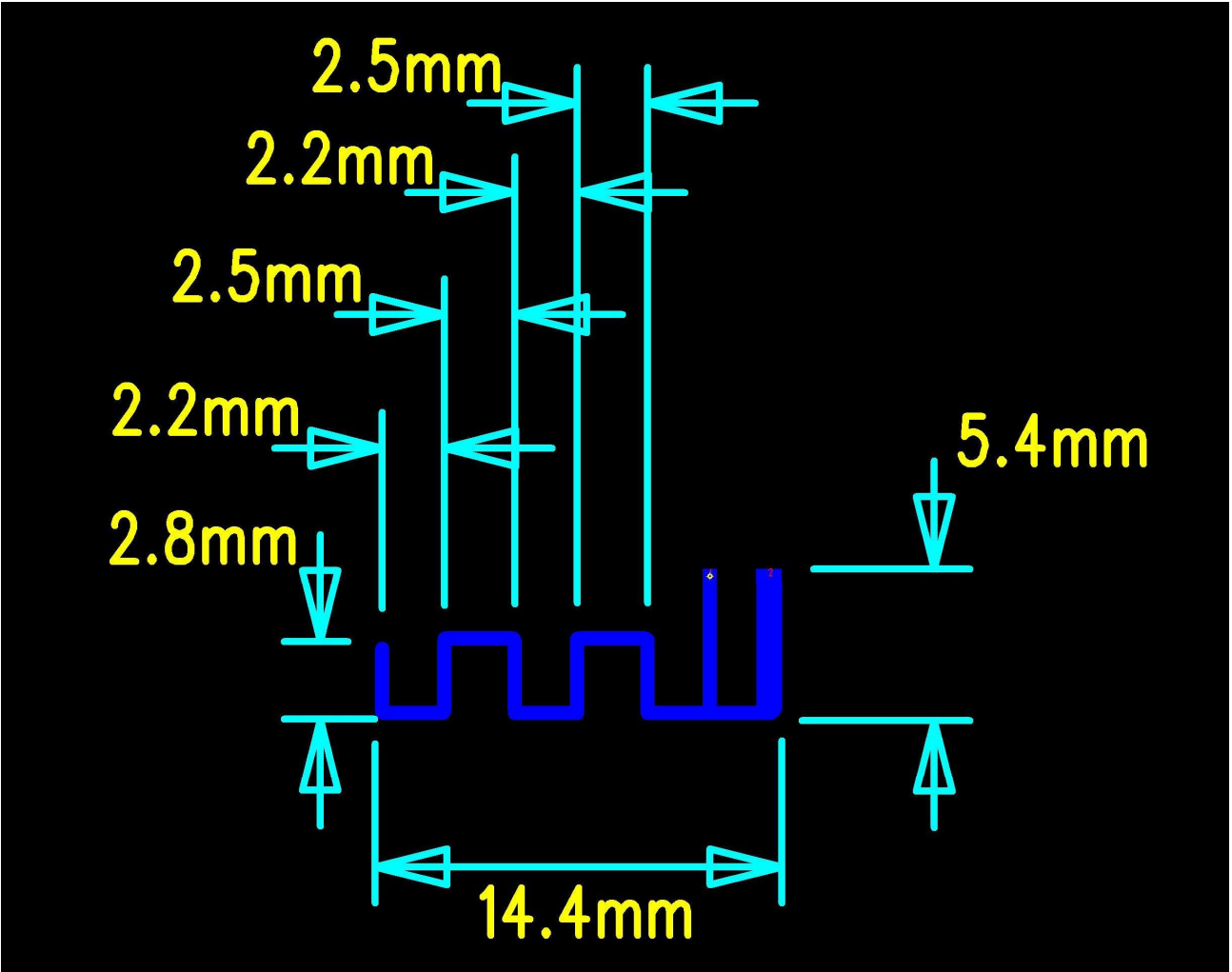
我司蓝牙天线直接采用做在 PCB 板上的板载方式，天线为铜箔加喷锡工艺，铜箔厚度：1OZ，板材为 FR-4 厚度 1.6mm 材料

二、天线外形

1、实物图



2、尺寸图：14.5mm * 5.4mm



三、天线参数

蓝牙工作频率在 2402-2480MHz，在此频段产生谐振。

下表为天线的主要参数：

蓝牙内置天线	
Frequency (MHz)	2400~ 2500 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	0.5 dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

四、天线增益检测报告

Spectrum Detector: PK

Test Date : June 8, 2013

Test By: Andy

Temperature : 28℃

Test Result: PASS

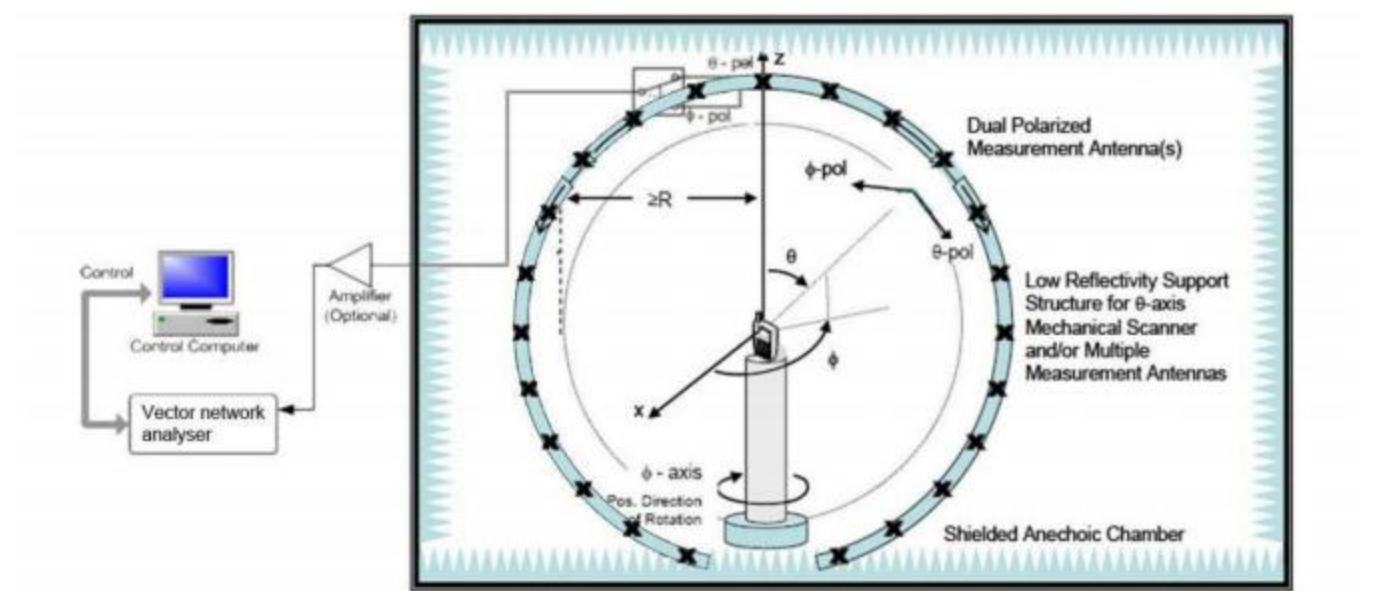
Humidity : 55 %

Modulation: GFSK

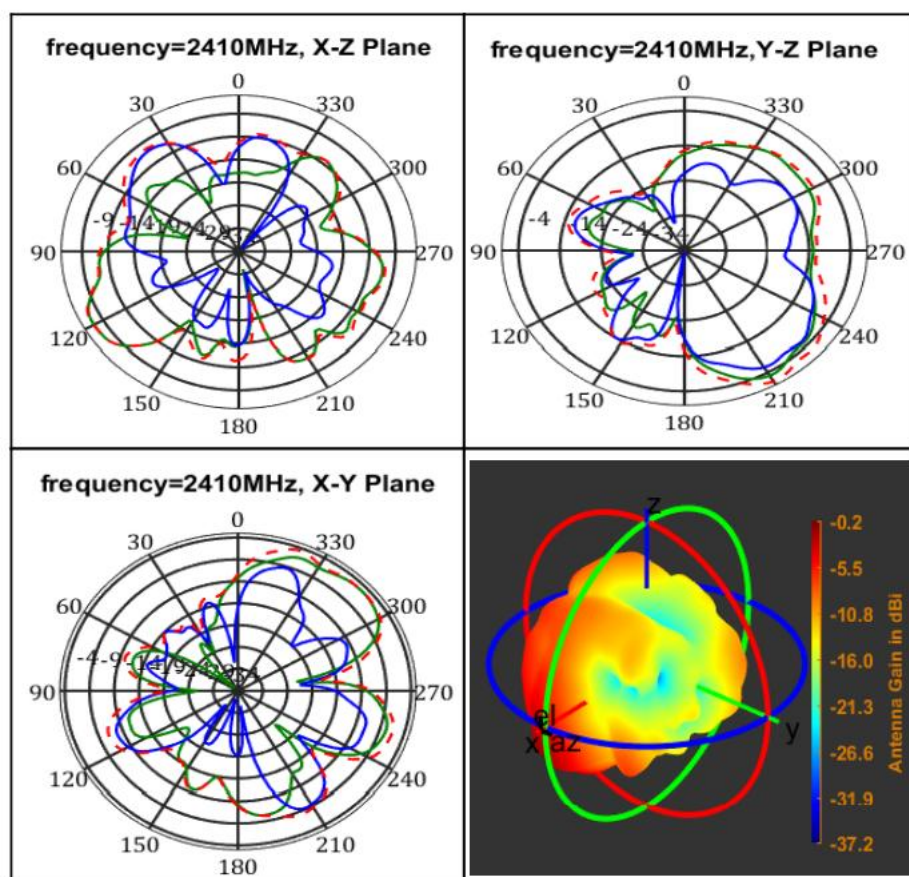
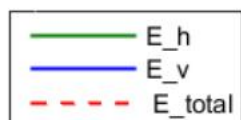
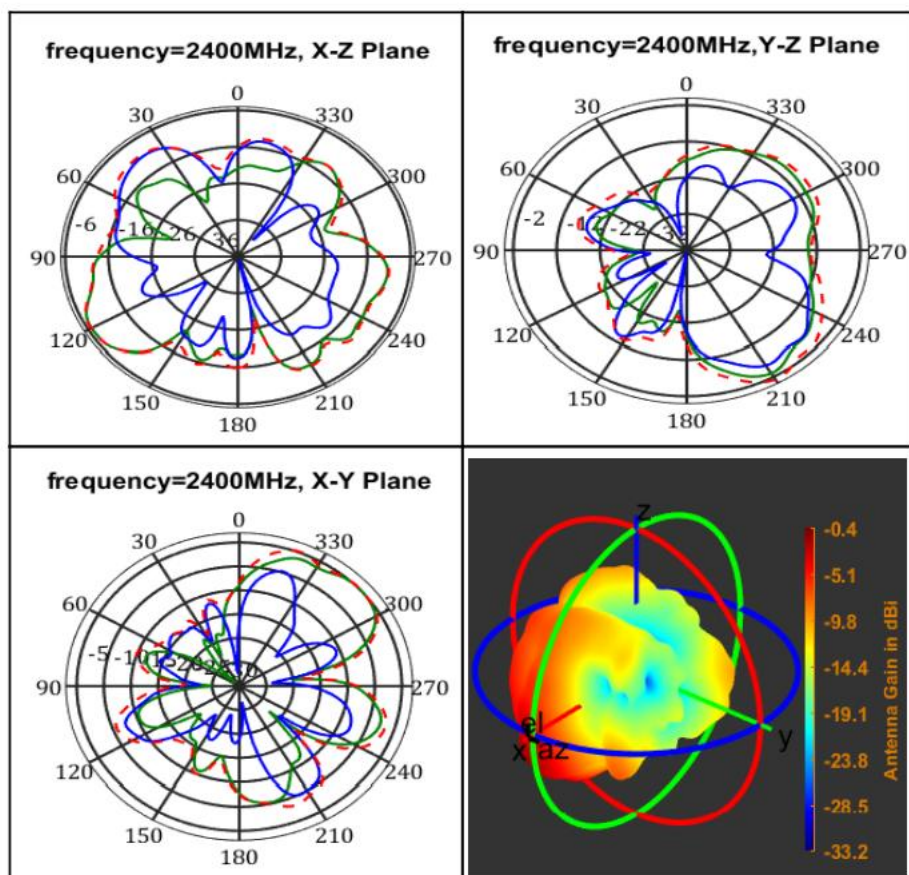
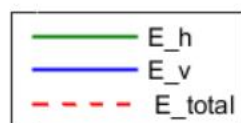
最大增益值:

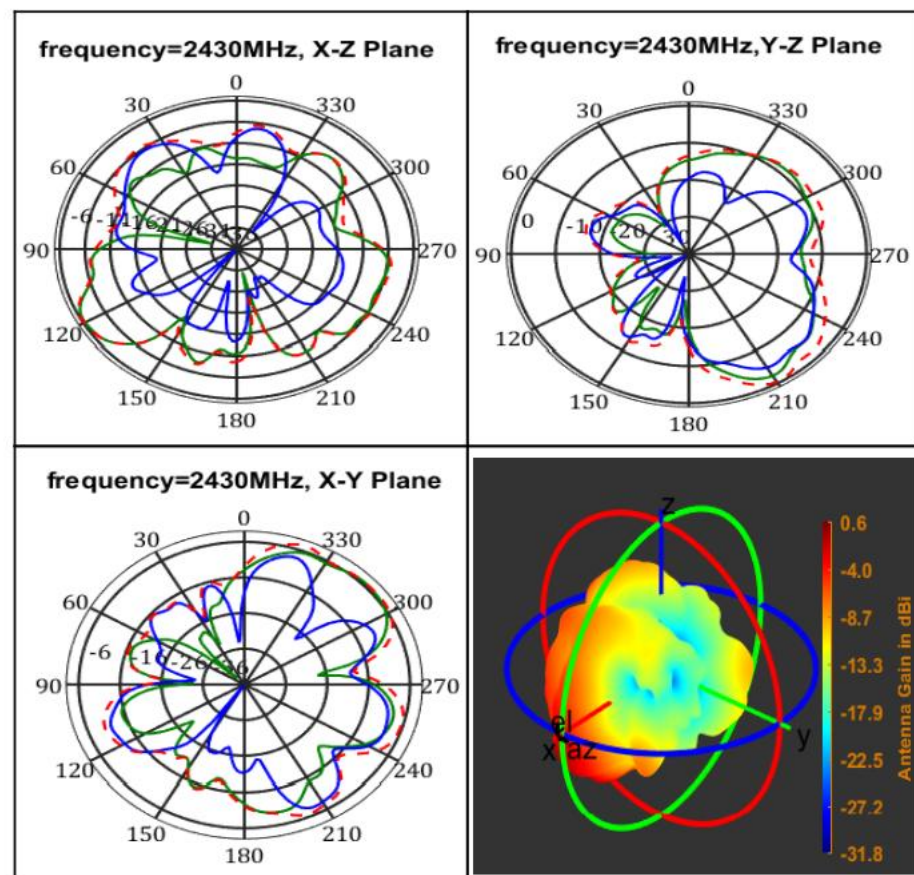
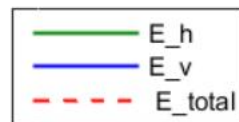
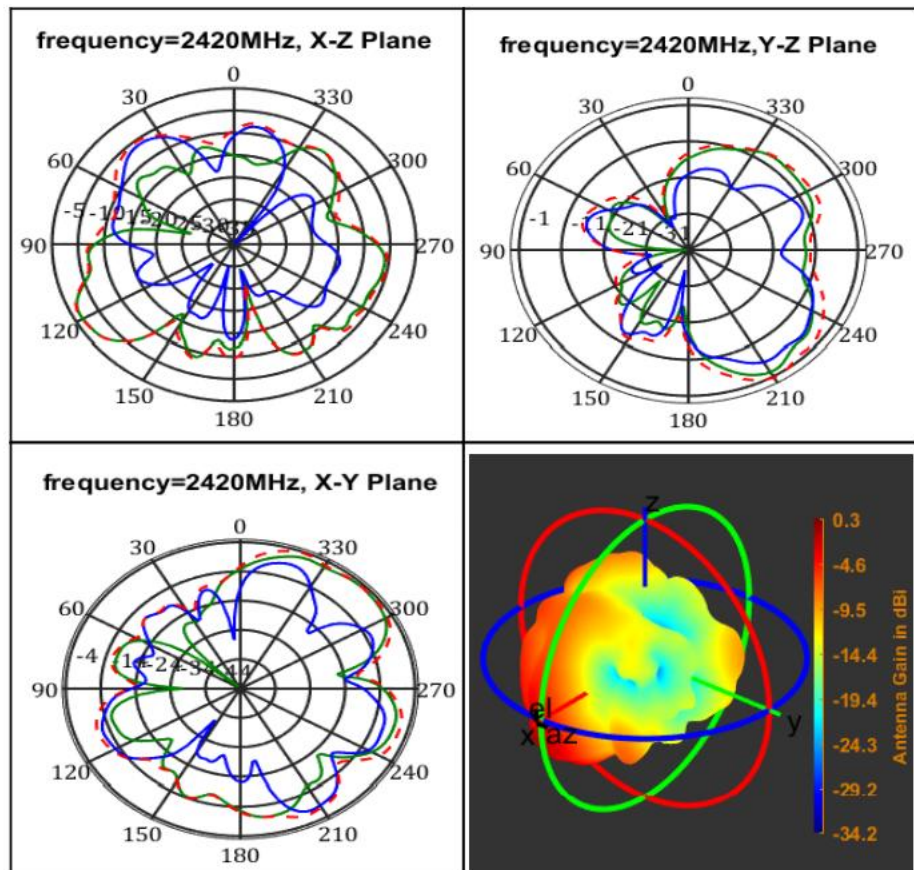
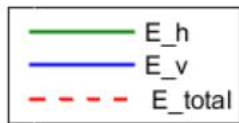
Frequency VNA : (MHz)	E Total. dB(dB)
2400MHz	-0.41
2410MHz	-0.18
2420MHz	0.34
2430MHz	0.50
2440MHz	0.38
2450MHz	-0.01
2460MHz	-0.06
2470MHz	-0.42
2480MHz	-0.74
2490MHz	-0.85
2500MHz	-1.13

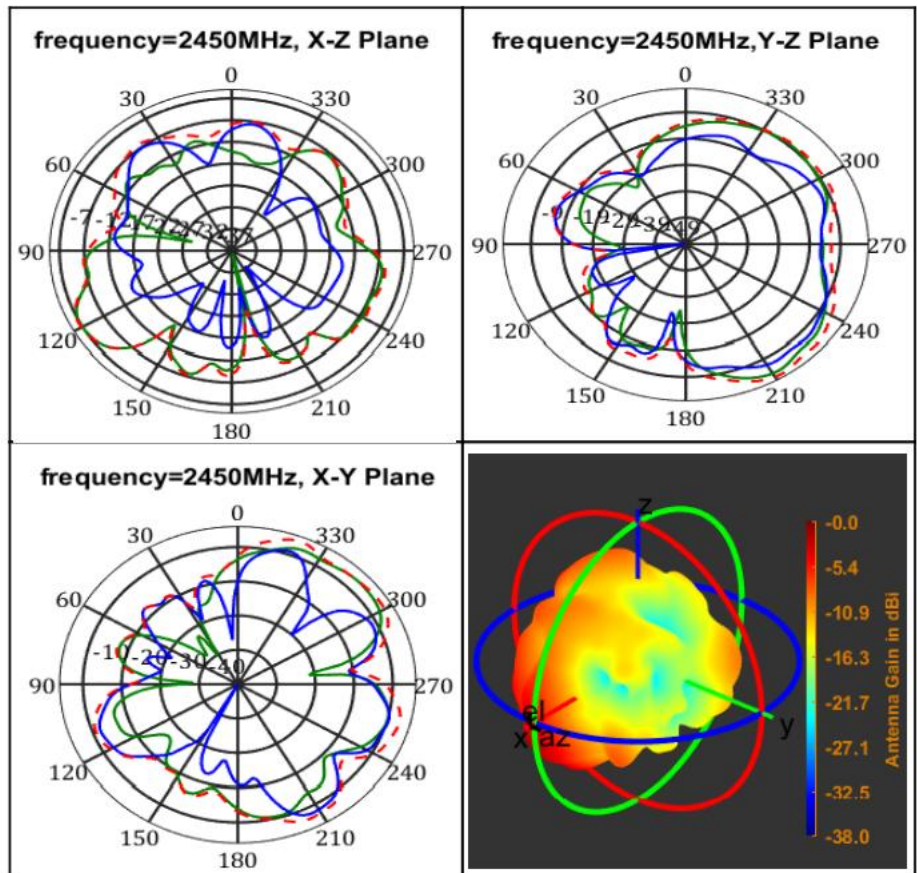
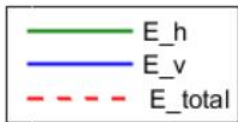
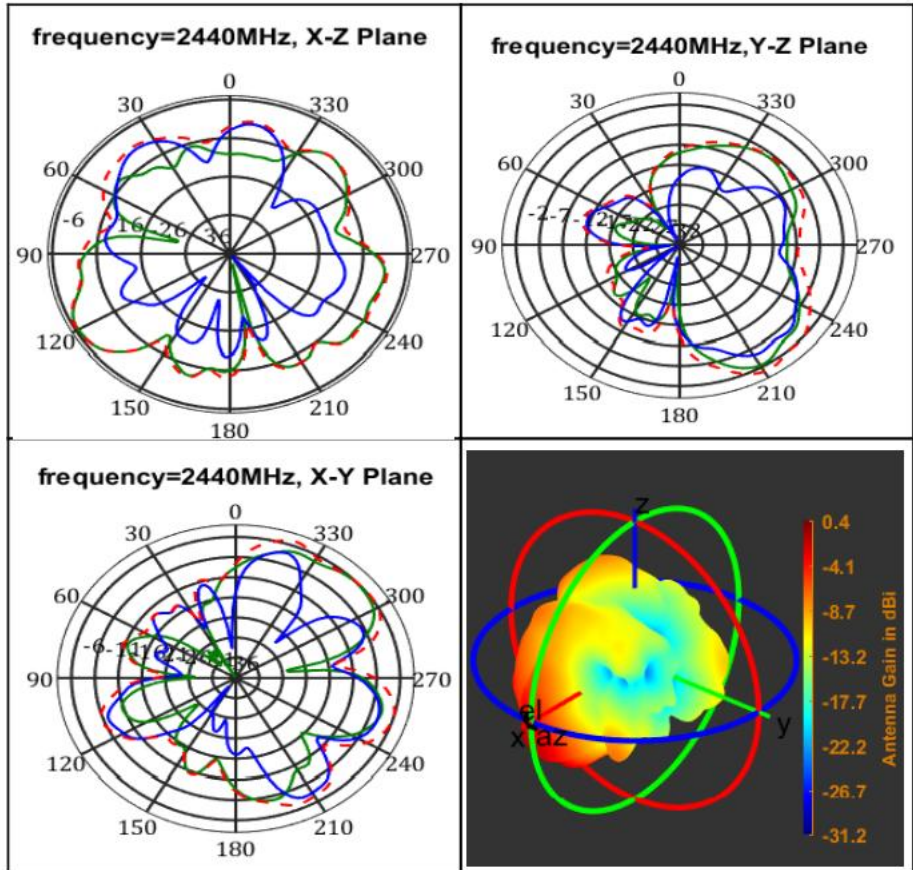
五、Test Setup:

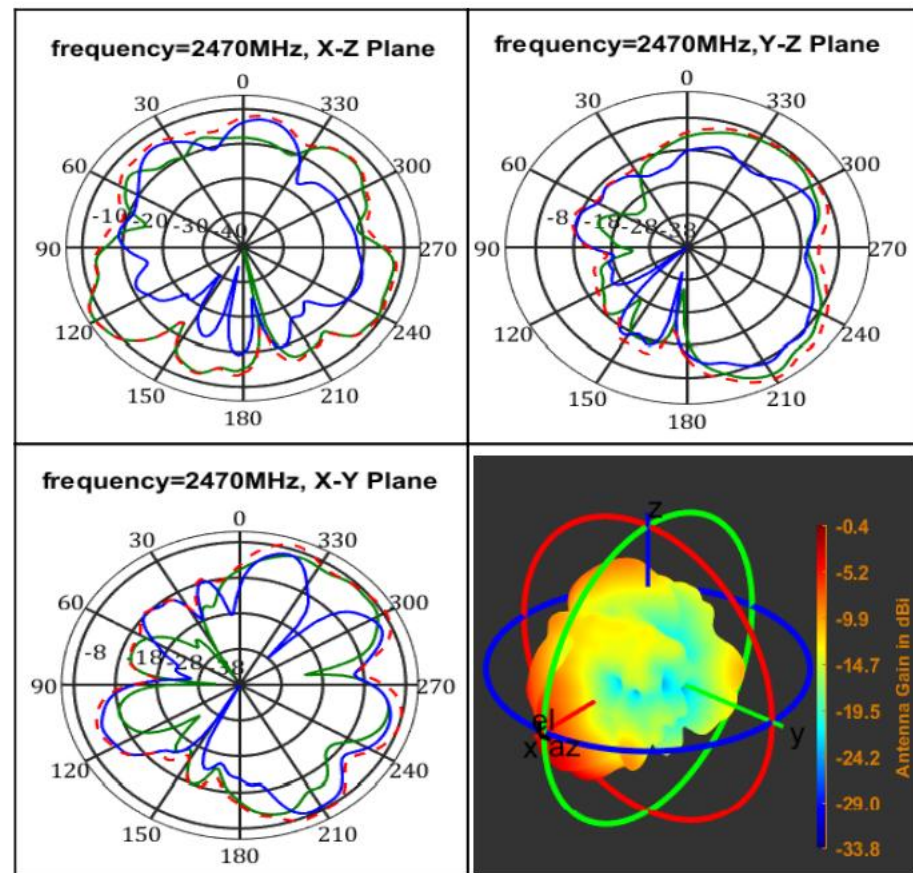
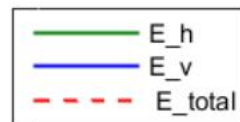
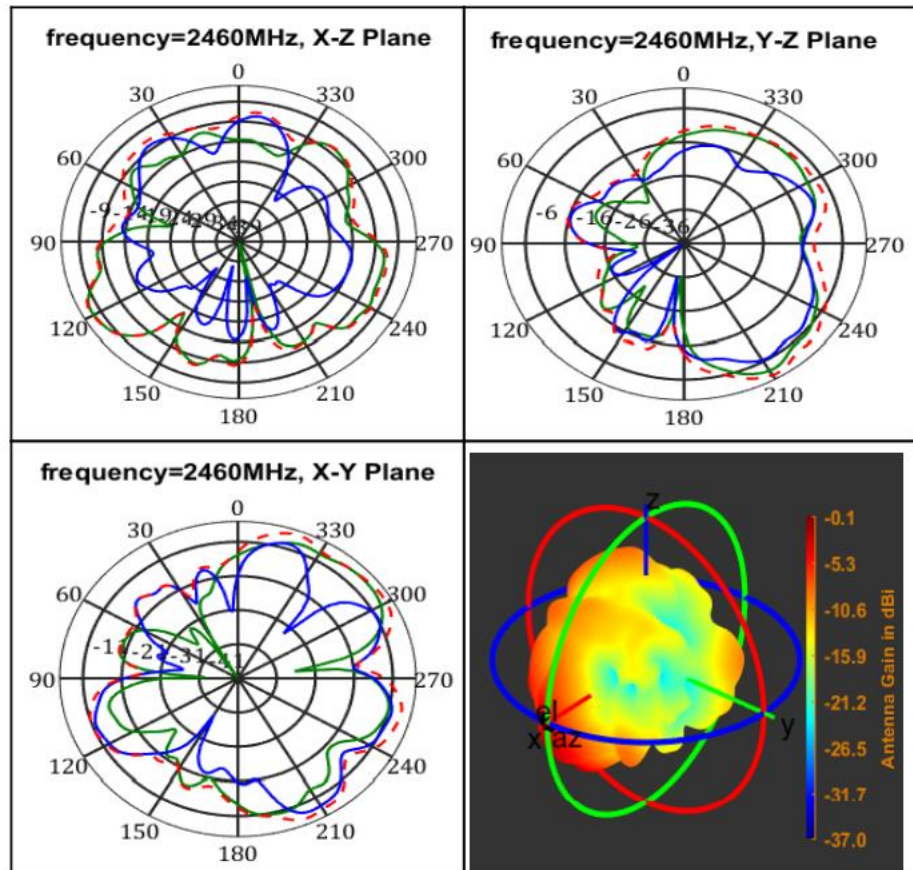
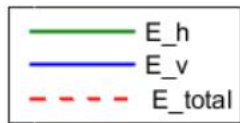


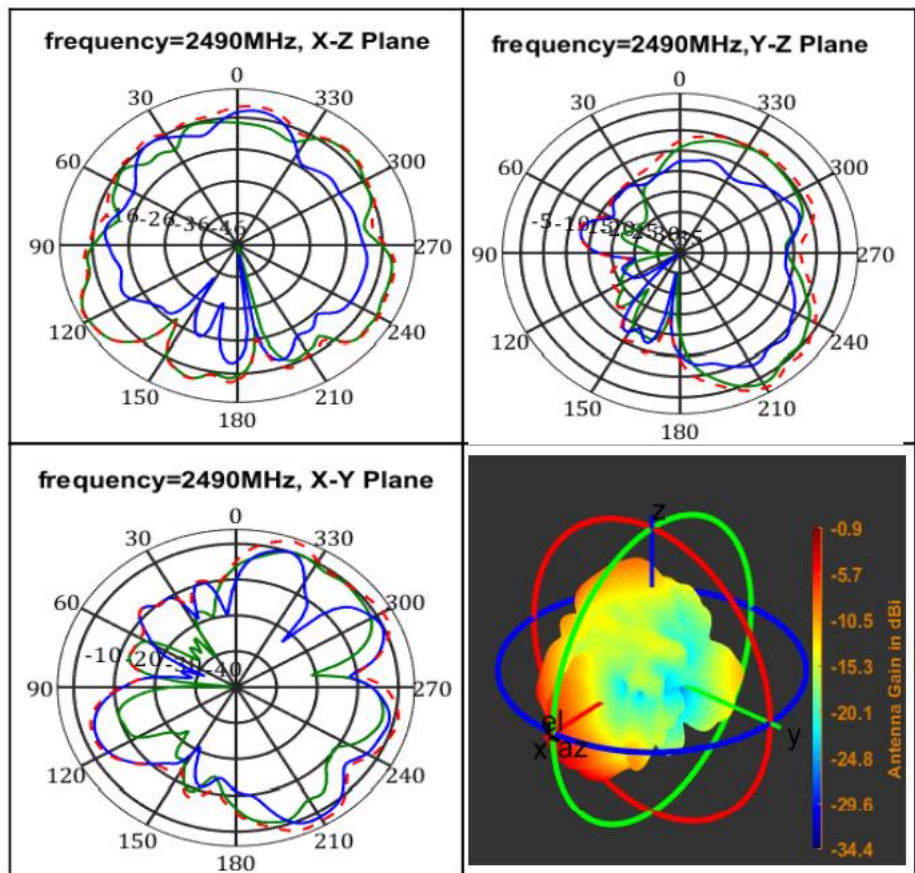
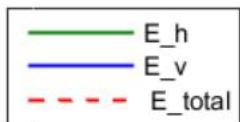
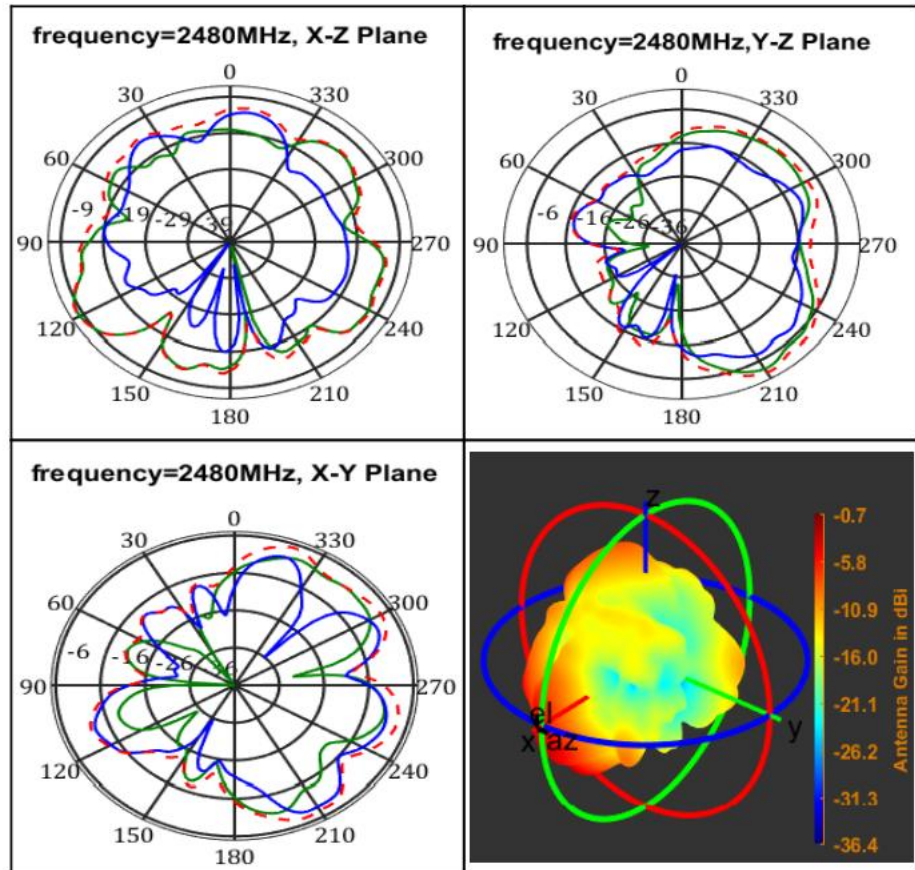
六、2D Radiation Pattern

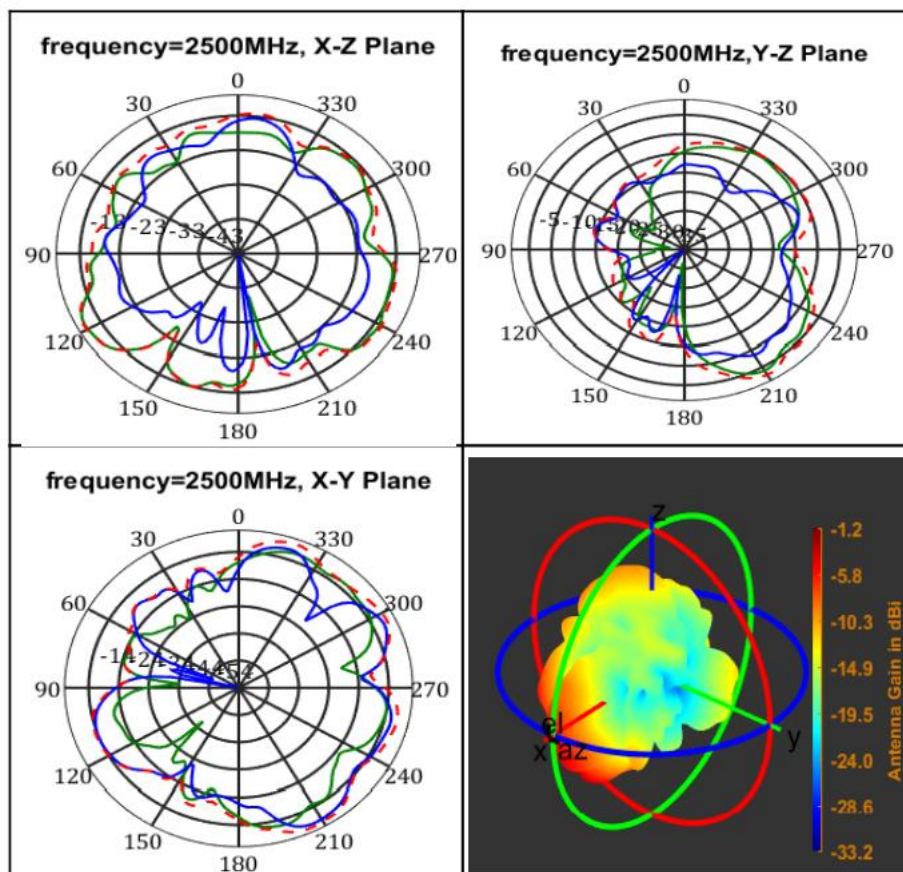
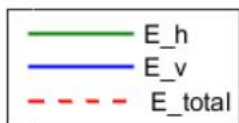












PHI 90 度