



深圳市雨盛通讯电子有限公司

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承认书 APPROVAL

版本: A1

客 户
CUSTOMER:

品 名 规 格
DESCRIPTION: External Antenna

料 号
PART NO.: YS020-0002X

客 户 料 号
CUS PART NO.:

日 期
D A T E: 2022-8-26

呈样签章:

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT

客户承认签章 :

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

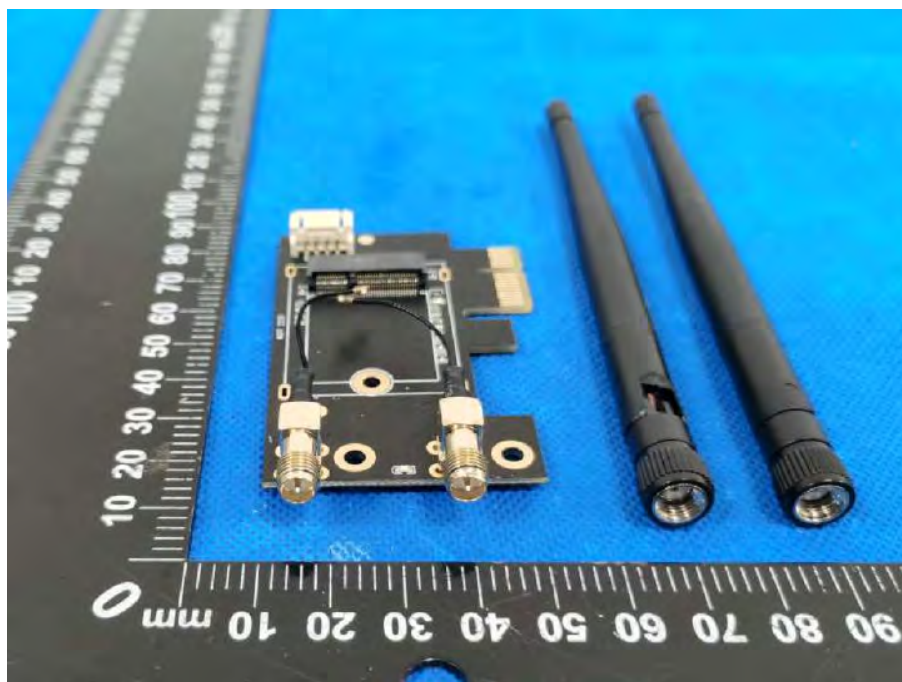
※ 客户确认样品附意栏:

地址: 深圳市龙岗区横岗镇坳背一村坳西路 102 号 3-4 楼
Address: Floor 3-4, No. 102 Ao West Road, Aobei Yi Village, Henggang Town, Longgang District, Shenzhen

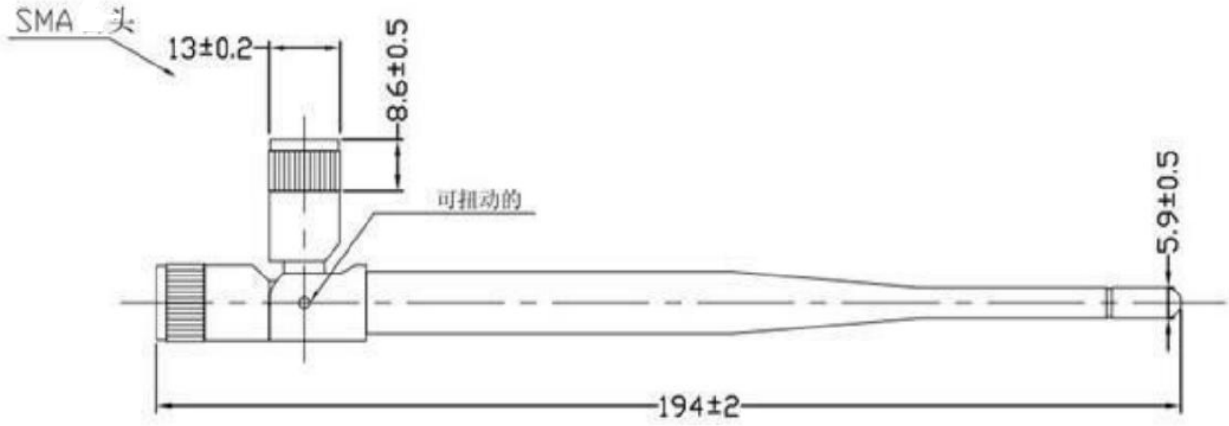
电器技术参数

电性能指标		Electrical Specifications	
频率范围	5180-5240MHZ, 2400-2500Mhz	Frequency Range	5180-5240MHZ, 2400-2500Mhz
电压驻波比	≤2.0	VSWR	≤2.0
增益	5.2G: -4.62dBi 2.4G: 1.08dBi	GAIN	5.2G: -4.62dBi 2.4G: 1.08dBi
输入阻抗	50 Ω	Input Impedance	50 Ω
机械指标		Mechanical Specifications	
接口形式	IPEX	Input connector	IPEX
天线长度	109mm	Cable length	109mm
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%

产品图片:



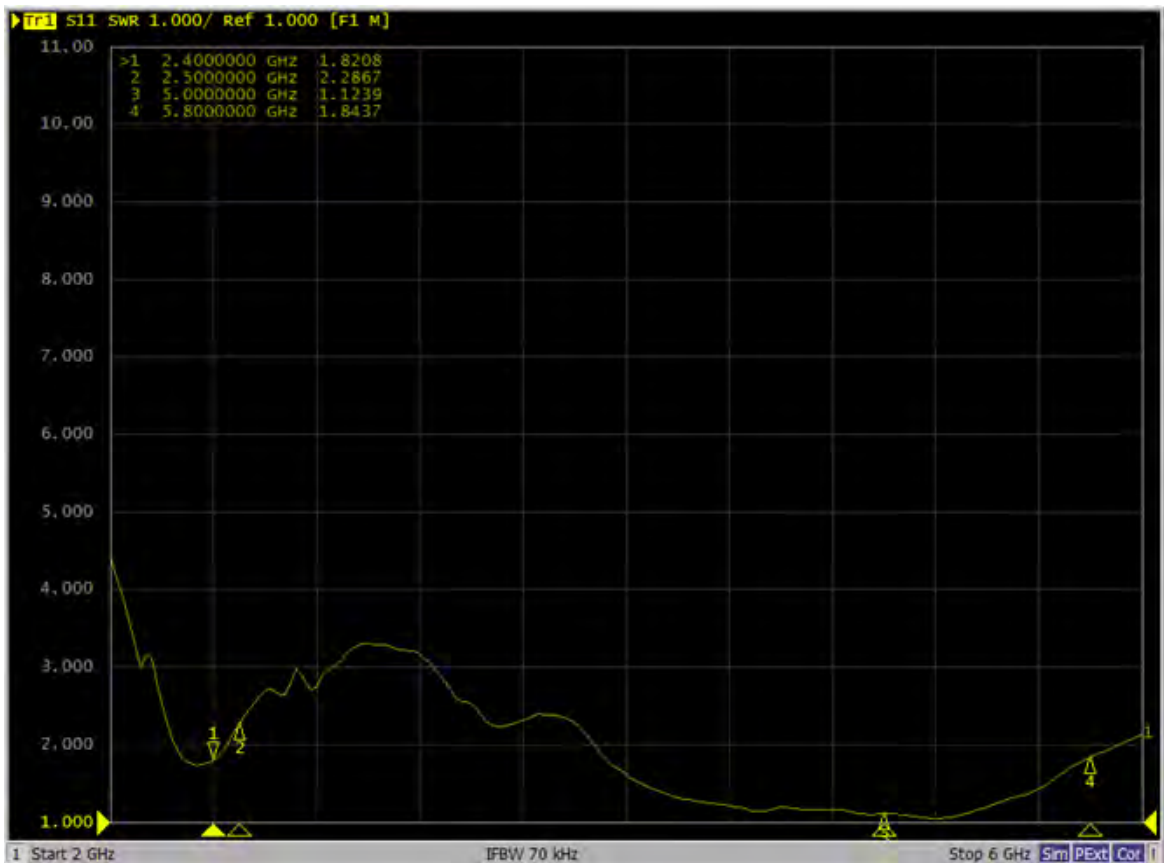
规格图(mm):



3. Characteristics curve

3.1 S11/VSWR

3.1.1 Antenna performance



Frequency	Gain (dBi)	Efficiency (%)
5180MHz	-4.75	11
5220MHz	-5.51	11
5240MHz	-4.62	10

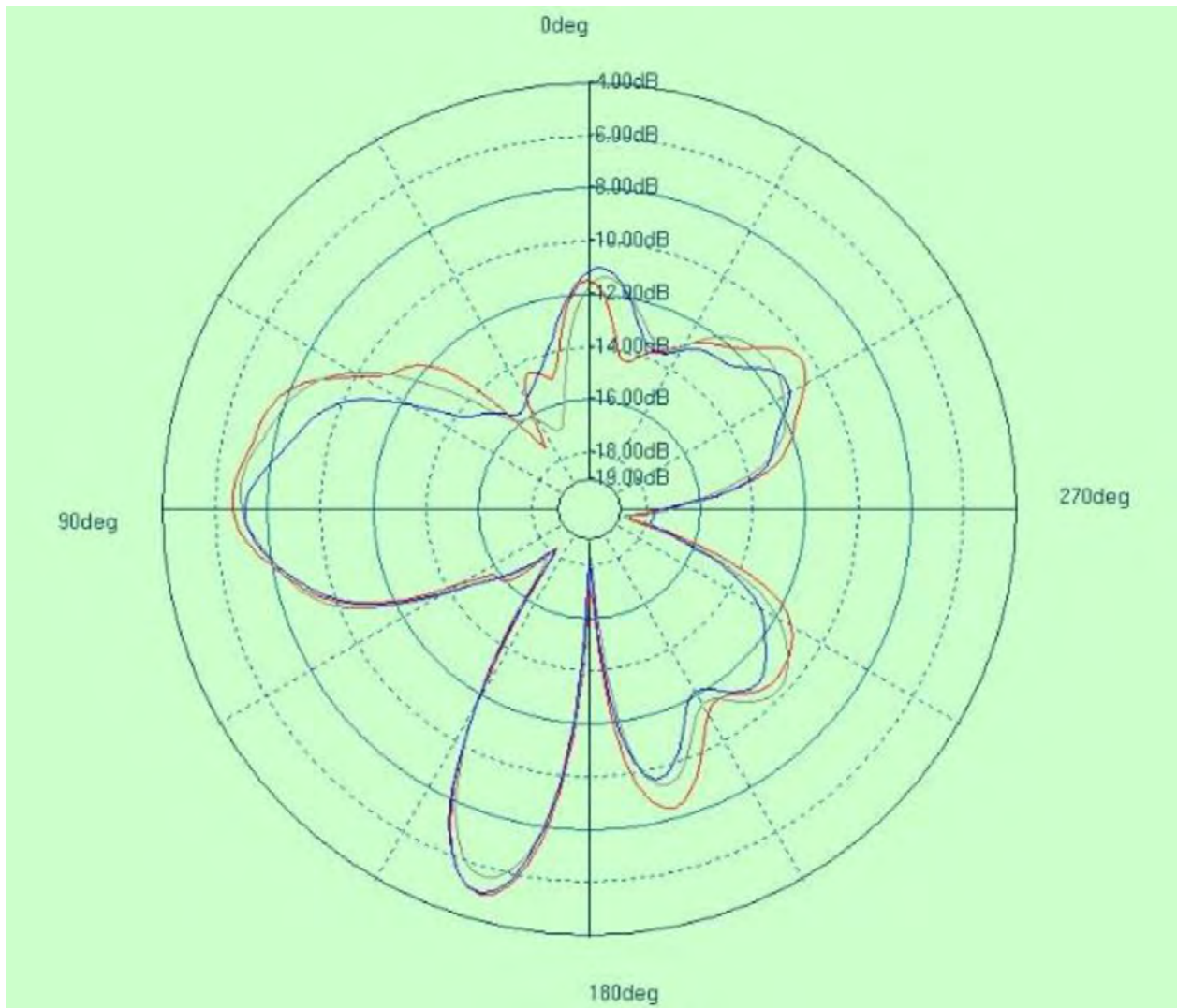
4. 2D Radiation characteristics of antenna

4.1 characteristics of antenna(VEC 03)

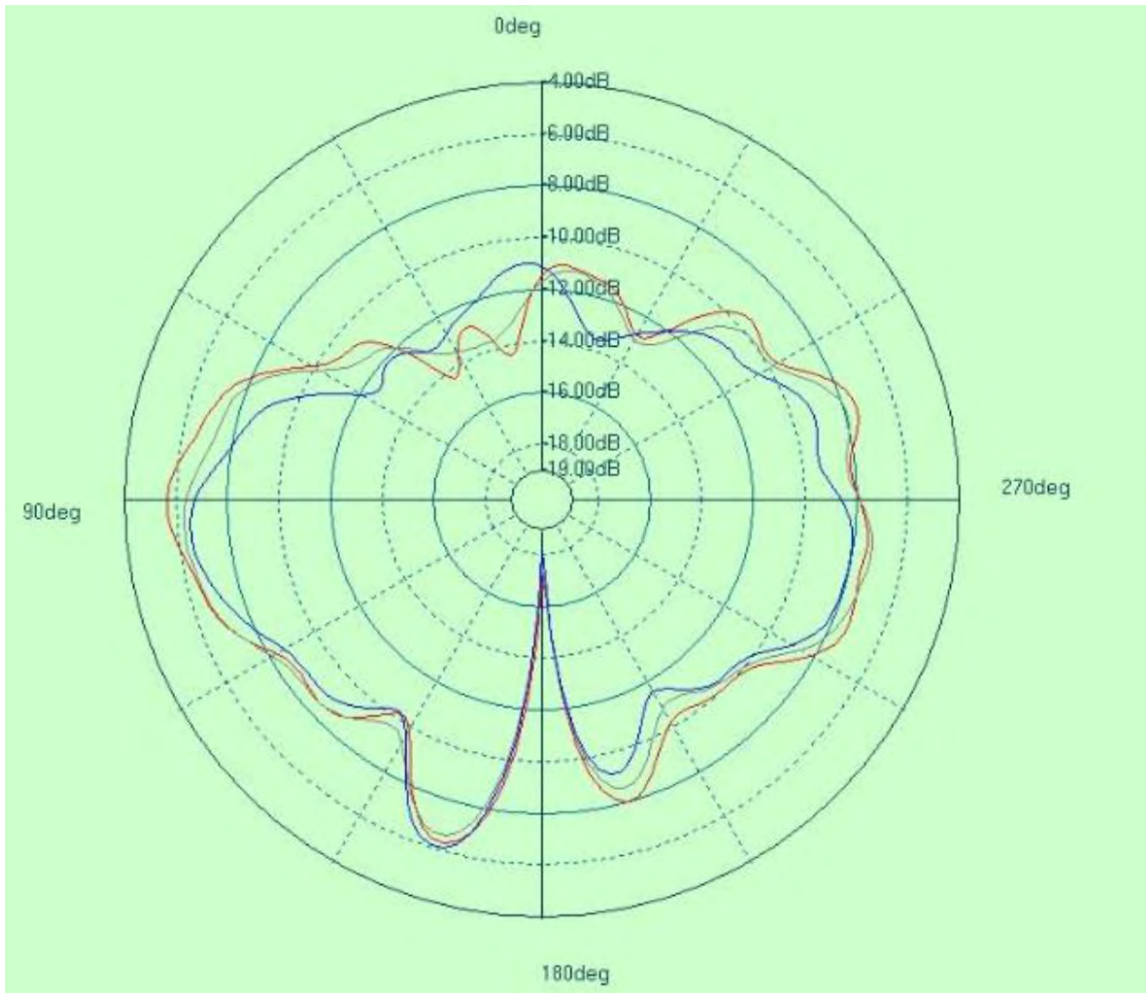
All frequencies have been checked, and only the worst test data is shown in the report.

5180MHz ——— 5220MHz ——— 5240MHz ———

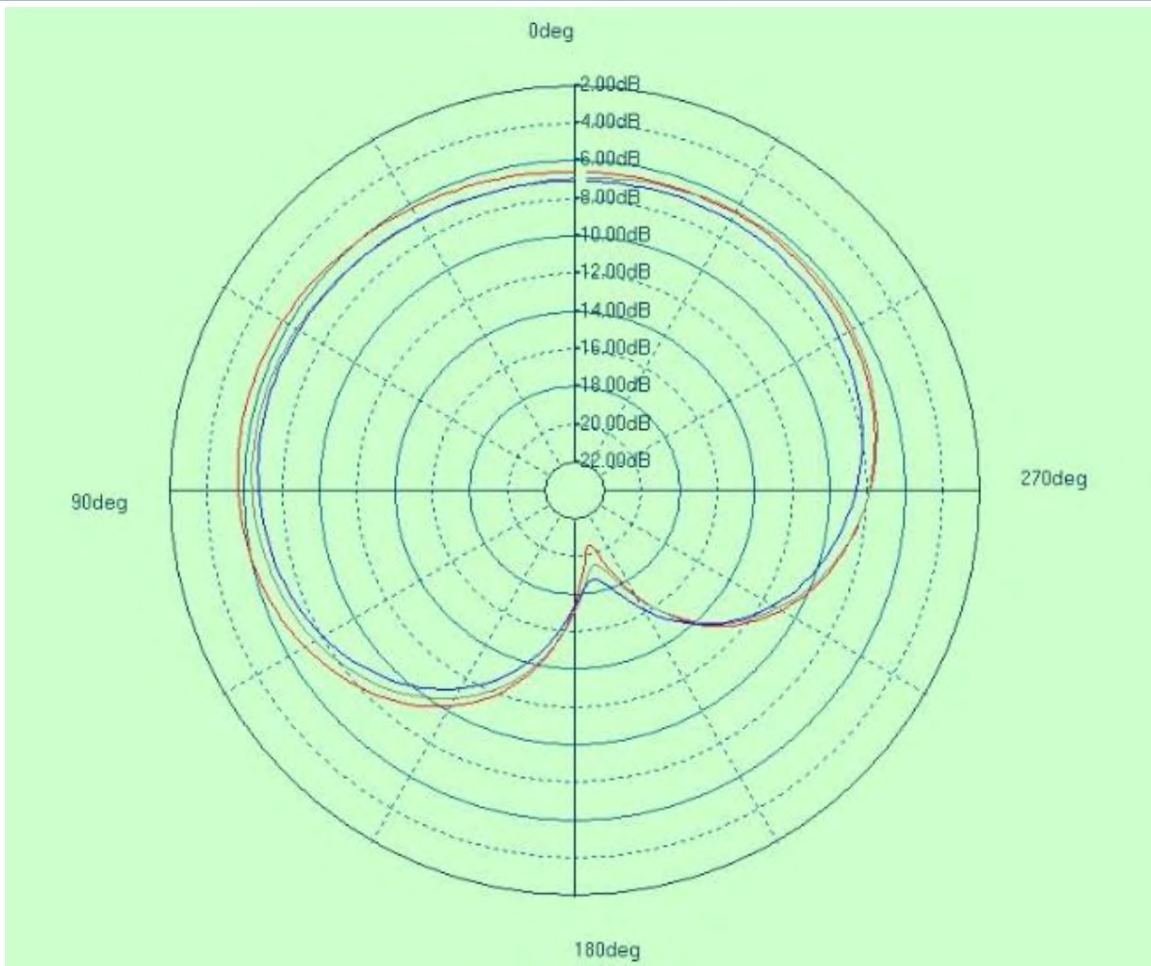
B2.1 PHI=0



B2.2 PHI=90



B2.3 THETA=90

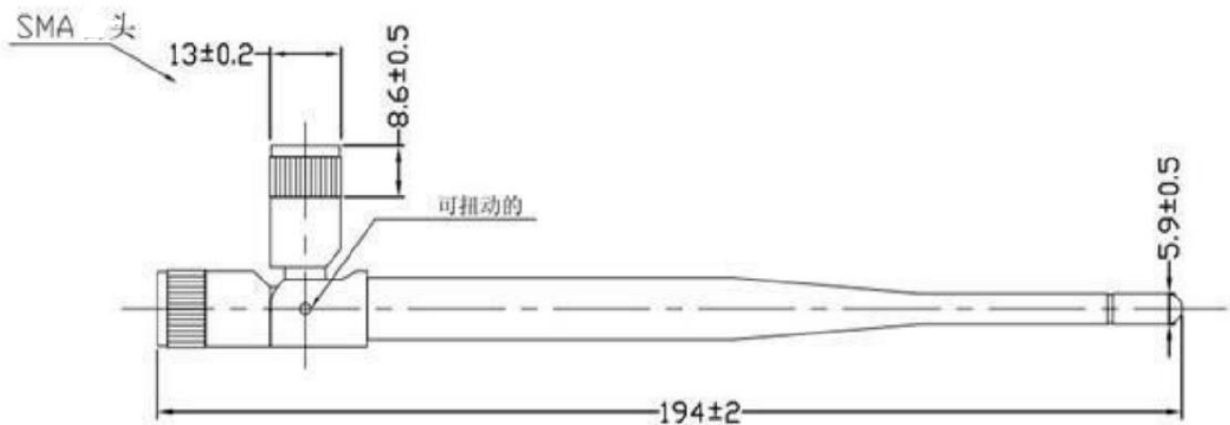
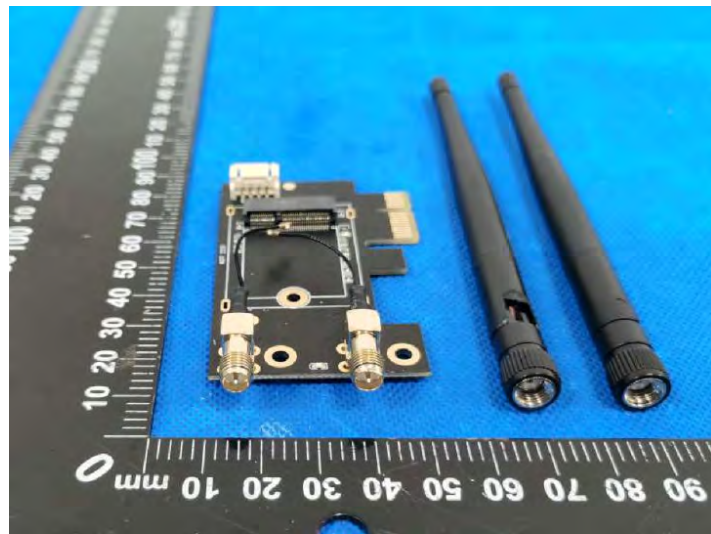


Antenna Specification

Summary

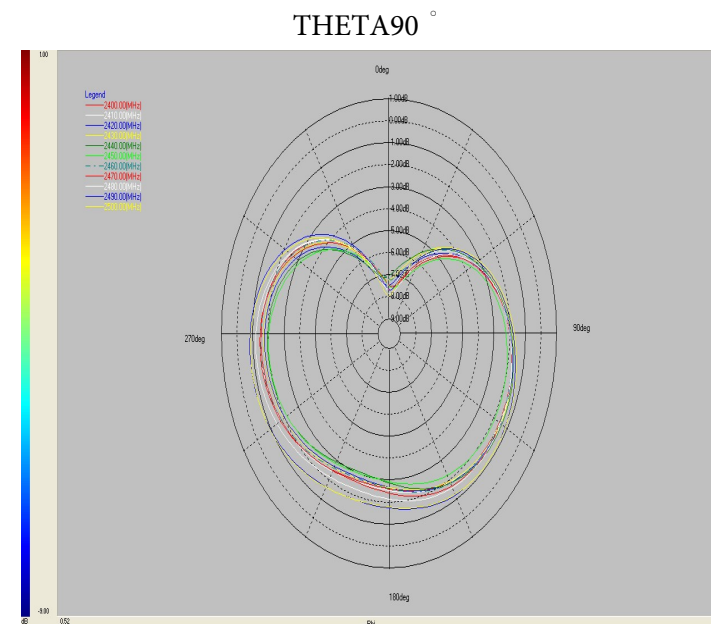
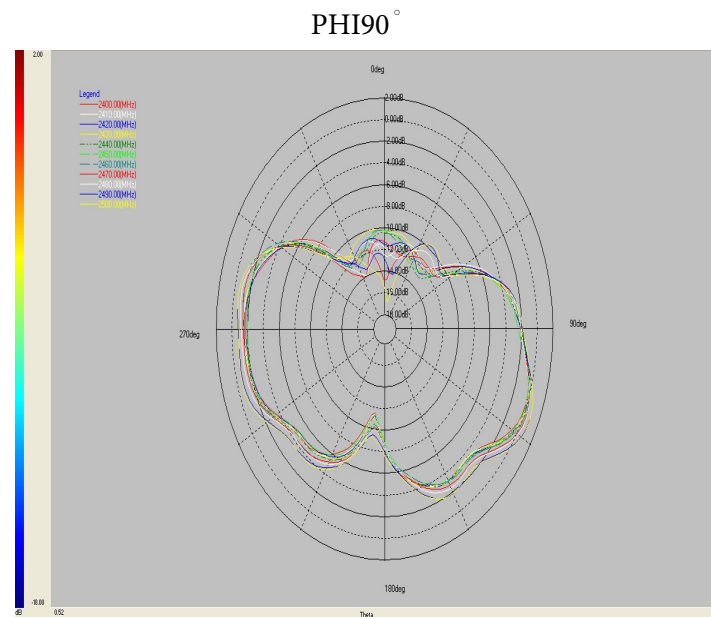
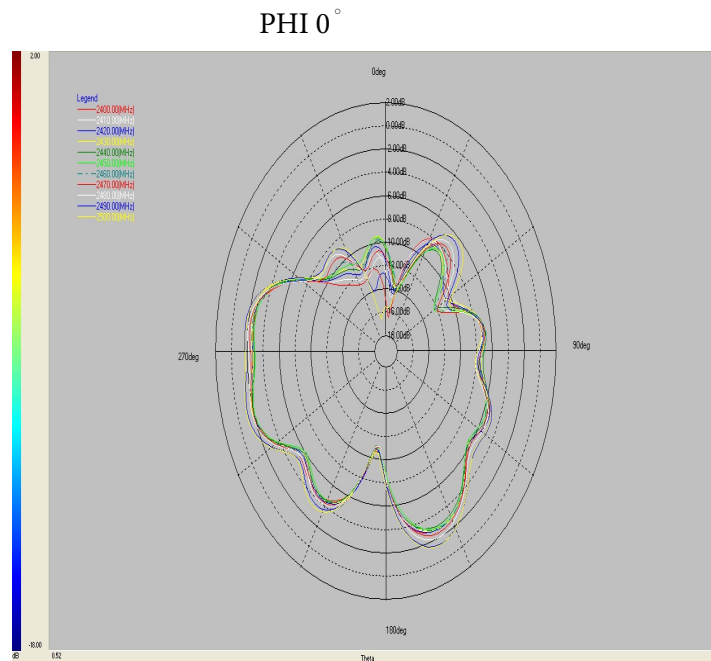
ITEM	ANT SPEC
Model Name	2.4G ANT
MAX. Gain	1.08dBi
Polarization	Horizontal and Vertical
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ohm
Antenna Length	38.20mm
Manufacture	Shenzhen Yu Sheng Communications Electronics co., LTD

Antenna Photo & Length (mm)



4. 2D Radiation characteristics of antenna

4.1 characteristics of antenna(VEC 03)



Frequency VNA (MHz)	Gain (Peak) (dBi)
2400MHz	0.0403503
2410MHz	0.0886264
2420MHz	0.267381
2430MHz	0.193012
2440MHz	0.26366
2450MHz	0.0723139
2460MHz	0.36895
2470MHz	0.551525
2480MHz	0.640702
2490MHz	1.05232
2500MHz	1.08443