天线规格书
Product Specification

F7 WIFI 天线
Internal antenna

APPROVED BY	SIGNATURE	DATE
Mechanical Engineer:	ZHOU	2019-12-18
RF Engineer:	LI	2019-12-18
Engineering Manager:	XIAO	2019-12-18
Approved By Customer (as required):		

1.0 DESCRIPTIONS AND PART NUMBER;

1.1 DESCRIPTION;

The antenna mounts to the housing of the cellular phone. And after that, the feed point on the prolongation of metal plate should firmly touch the contact provided on the PCB in the respective area.

1.2 PART NUMBER

| Sunsky Part number	Frequency Band	HH Part Number
	2.4GHZ	

2.0 FREQUENCY BAND

2.4GHZ

2.1 GAIN AND EFICIENCY TEST REPORT

frequency 频率(Hz)	gain 增益(dB)	efficiency 效率(dB)	efficiency 效率
2400M	-1.41	-6.09	24.59%
2410M	-1.38	-6.03	24.86%
2420M	-1.35	-6.13	24.99%
2430M	-1.4	-6.39	22.98%
2440M	-1.31	-6.06	24.96%
2450M	-1.34	-6.07	24.13%
2460M	-0.98	-6.04	24.86%
2470M	-0.92	-5.91	24.33%
2480M	-0.86	-5.88	24.68%
2490M	0.05	-6.09	24.54%
2500M	0.12	-5.83	25.11%
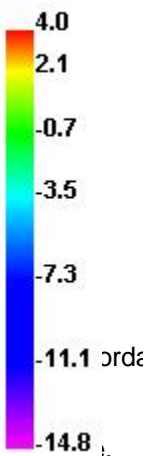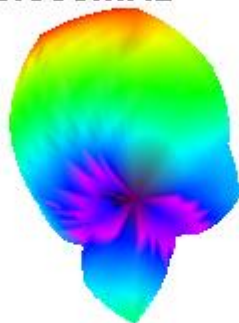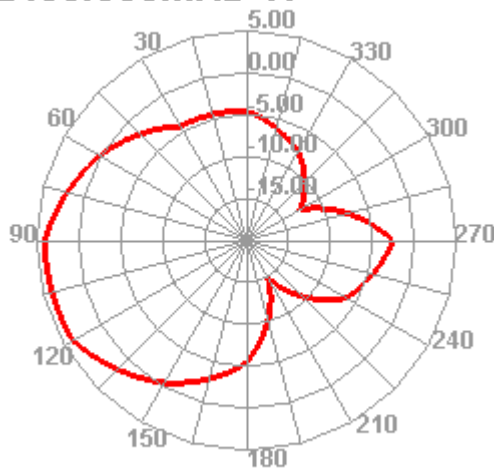
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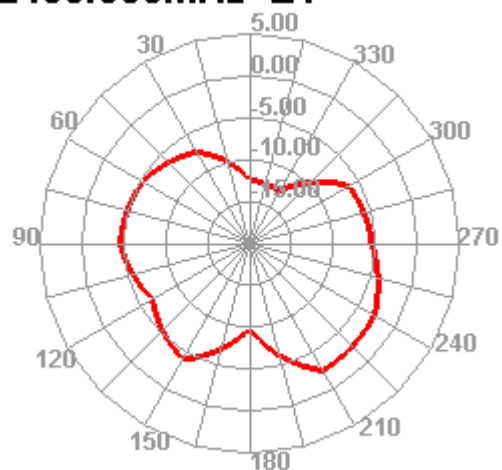
2400.000MHz E2

2410.000MHz

3.4
1.6
-1.0
-3.7
-7.3
-10.9
-14.5
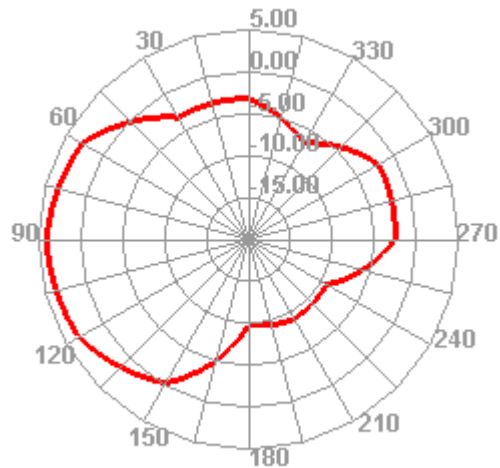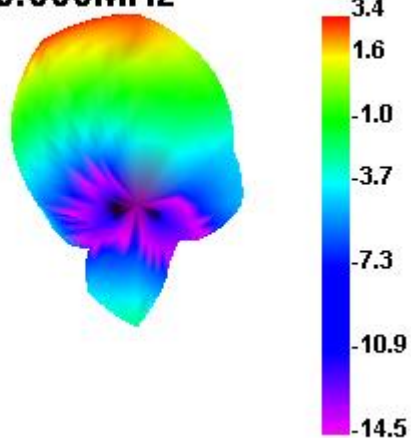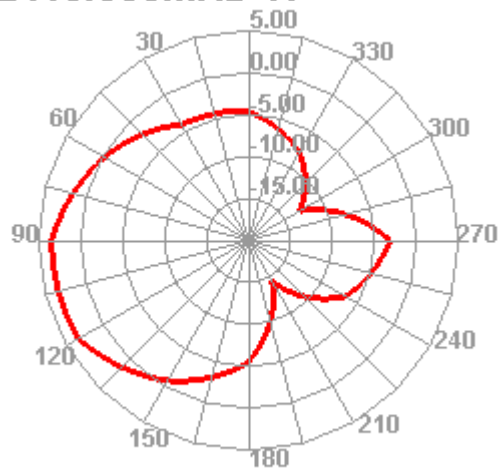
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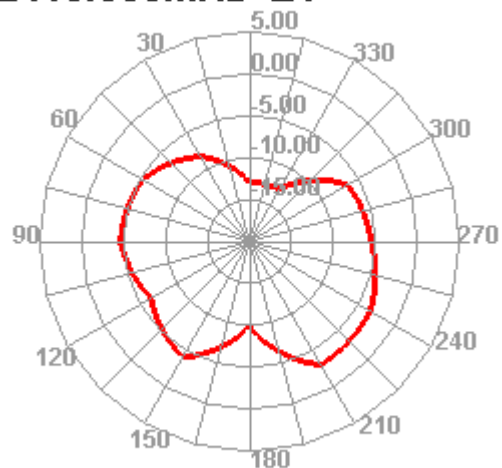
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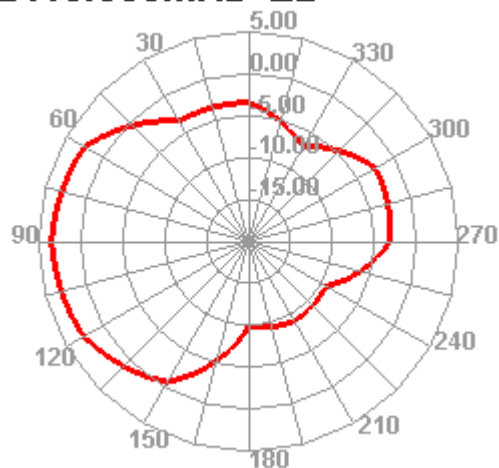
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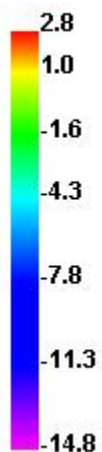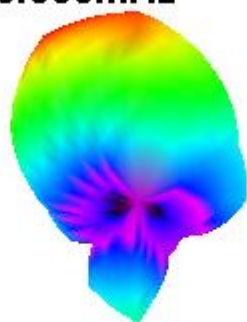
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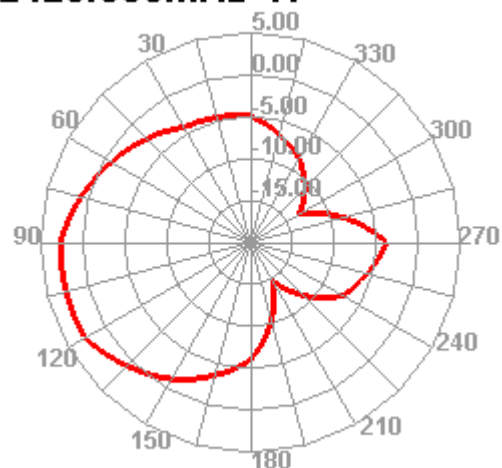
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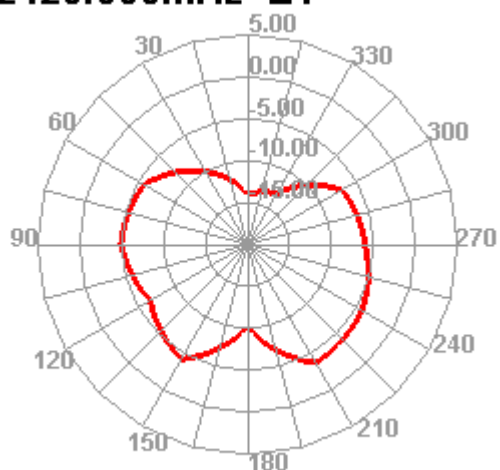
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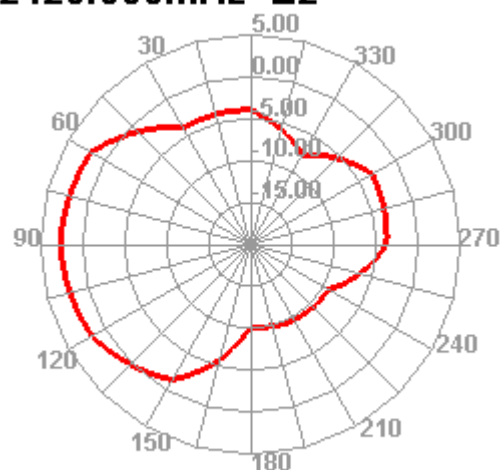
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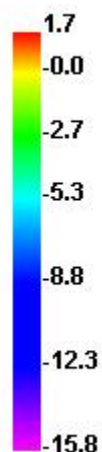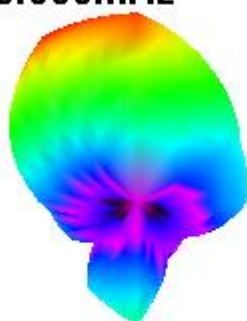
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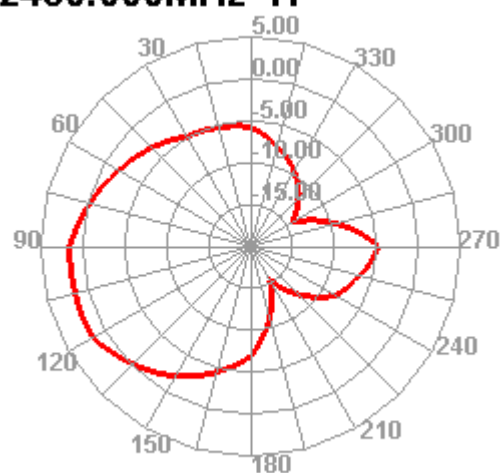
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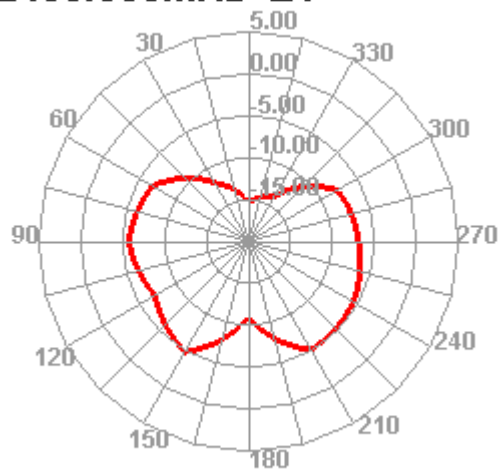
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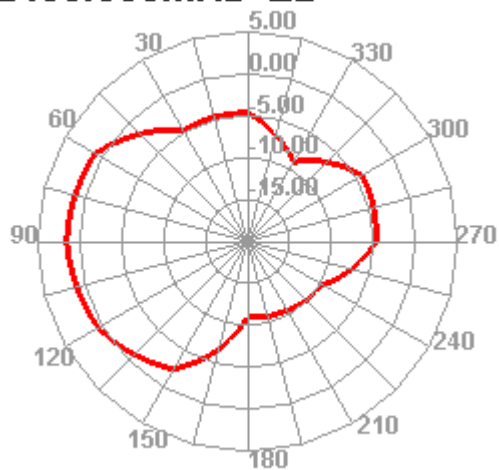
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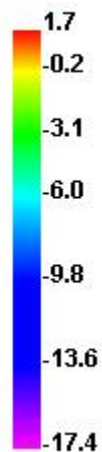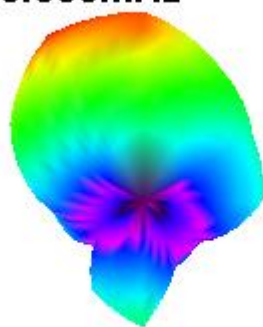
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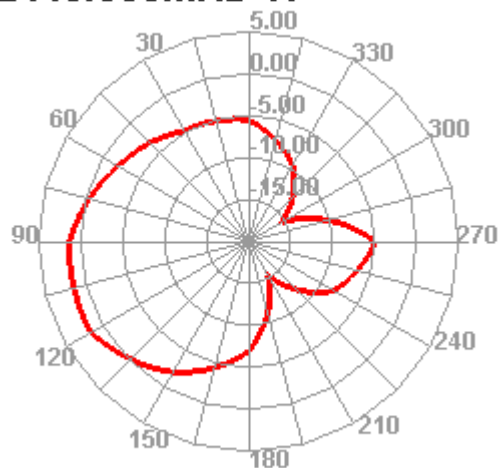
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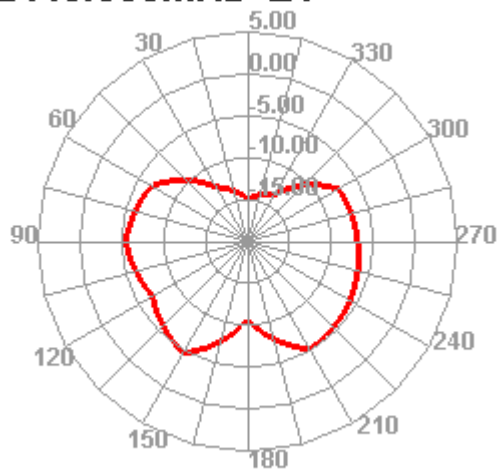
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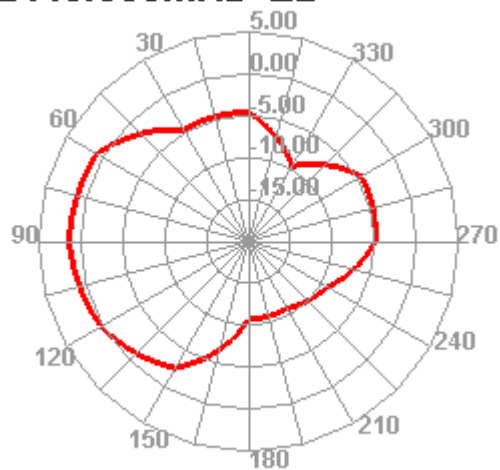
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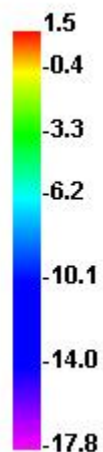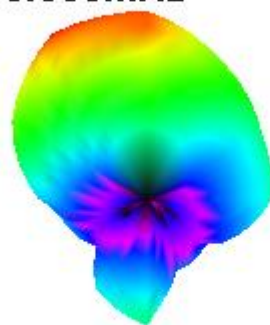
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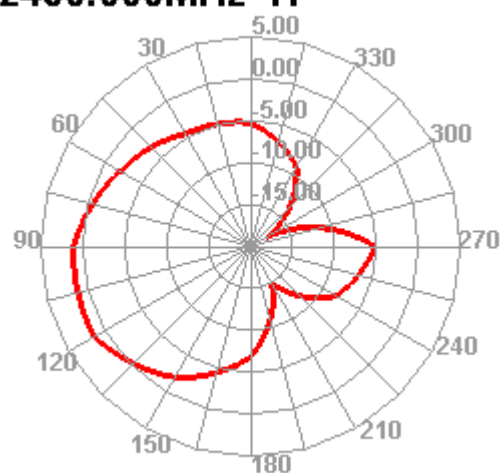
2450.000MHz E1

2450.000MHz E2

2460.000MHz

2460.000MHz H

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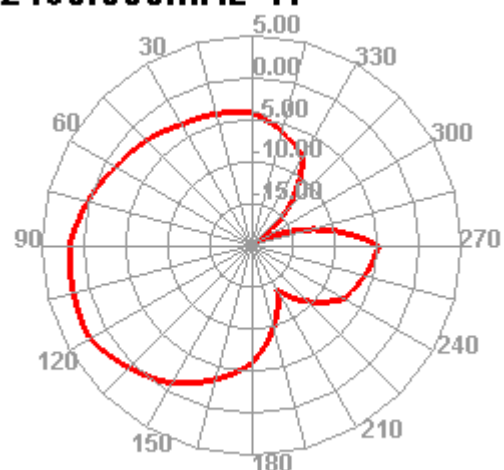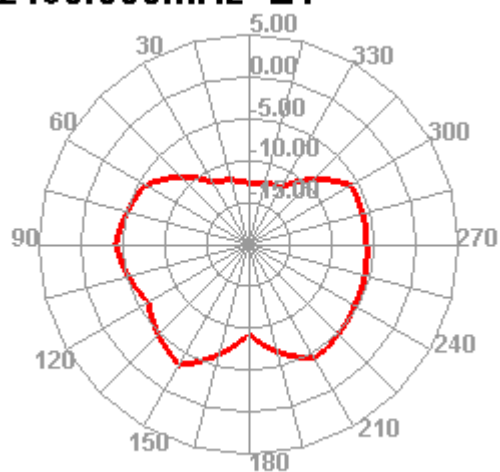
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2460.000MHz E2
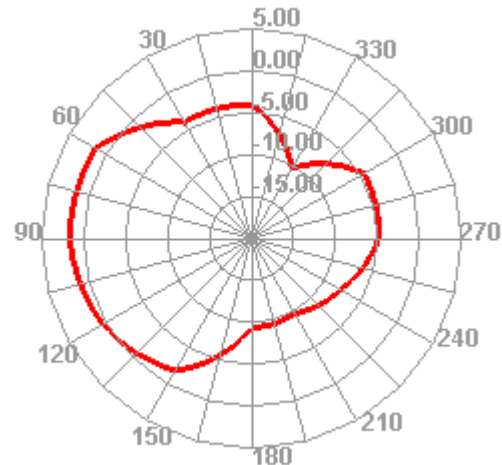
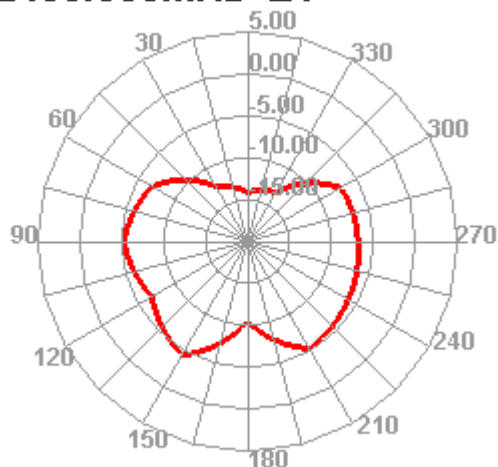## 2470.000MHz
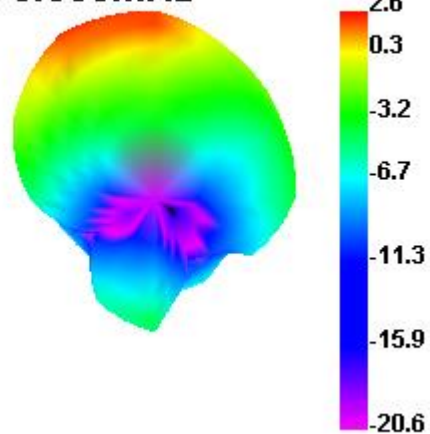
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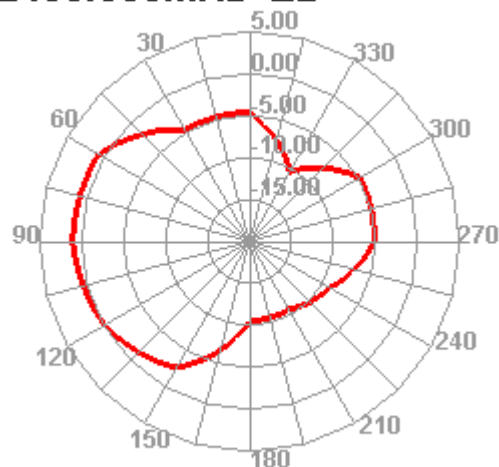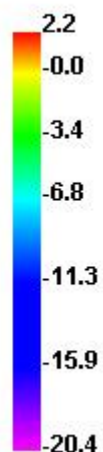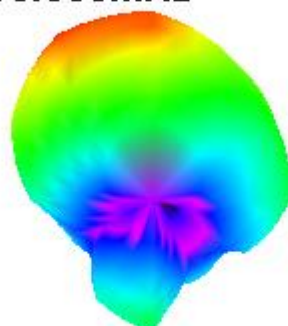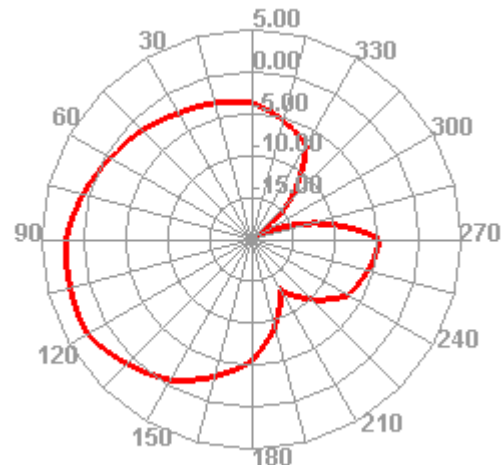

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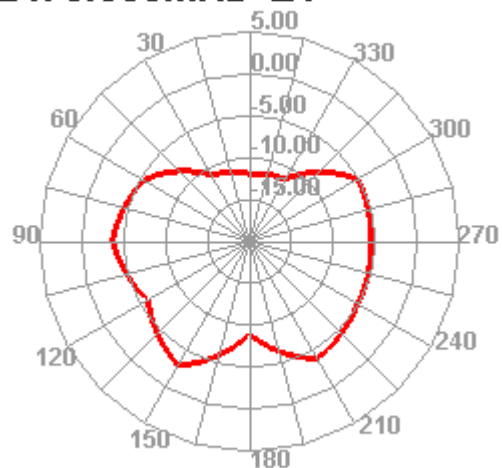
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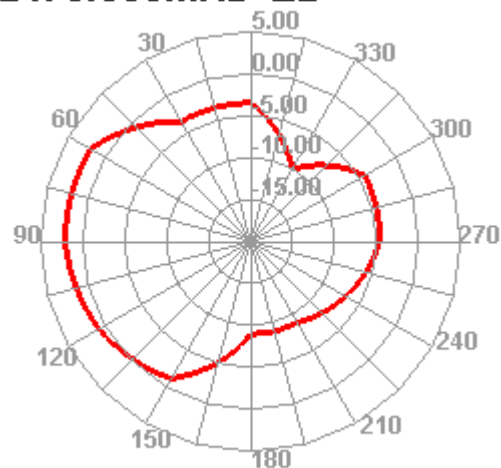
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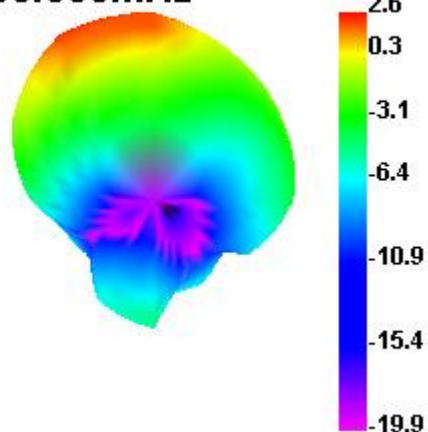
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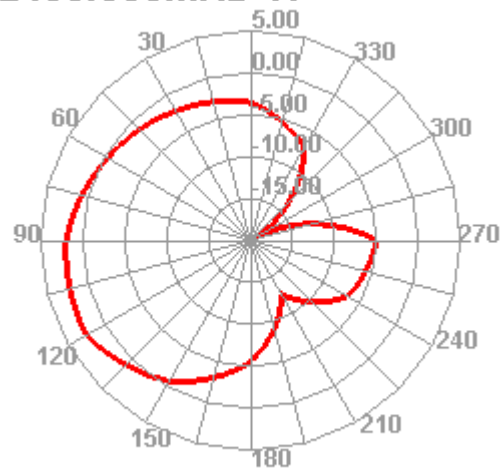
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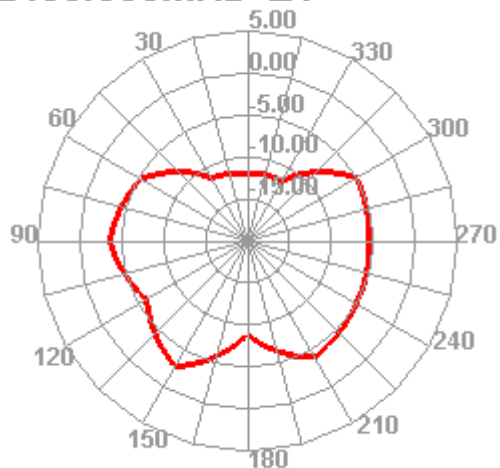
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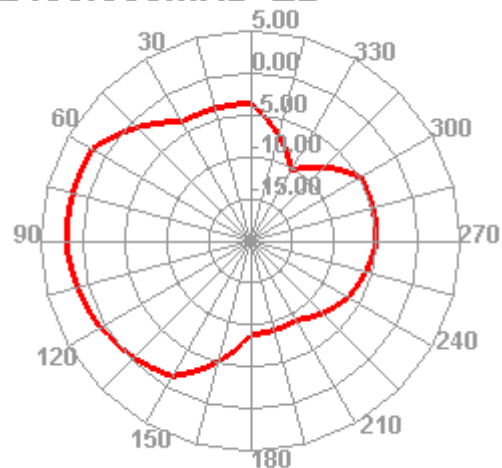
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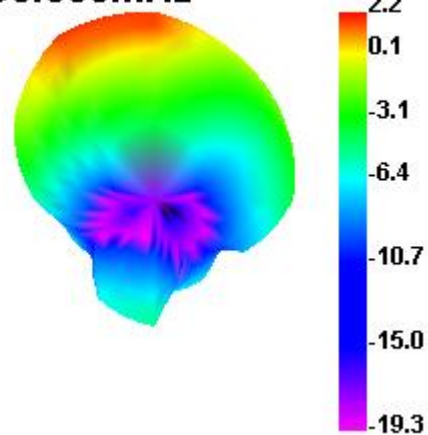
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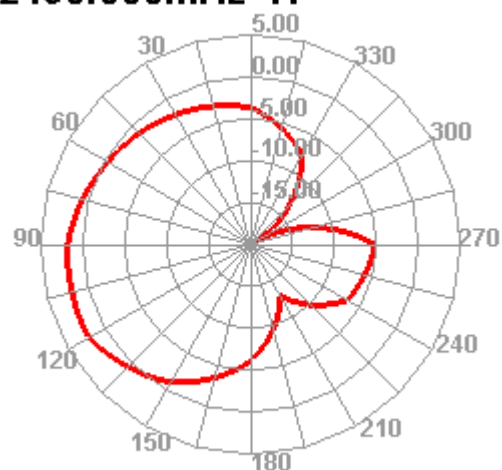
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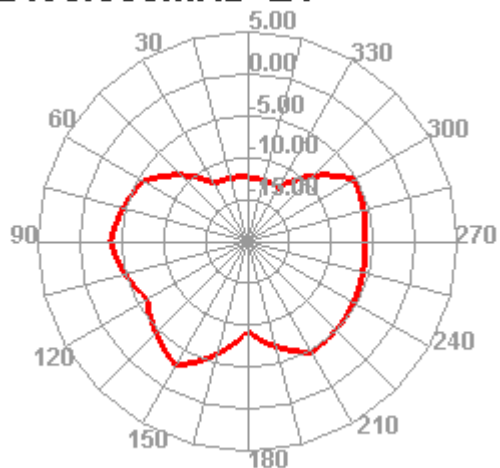
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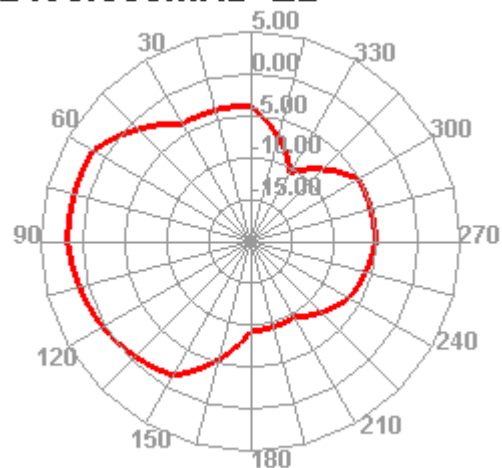
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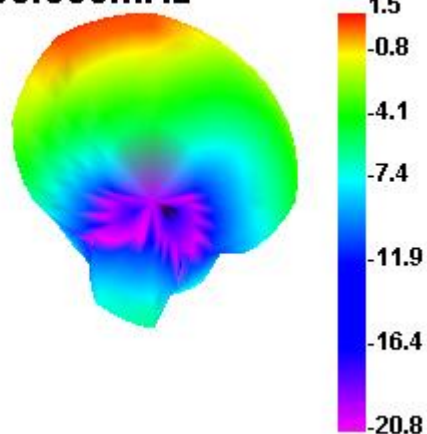
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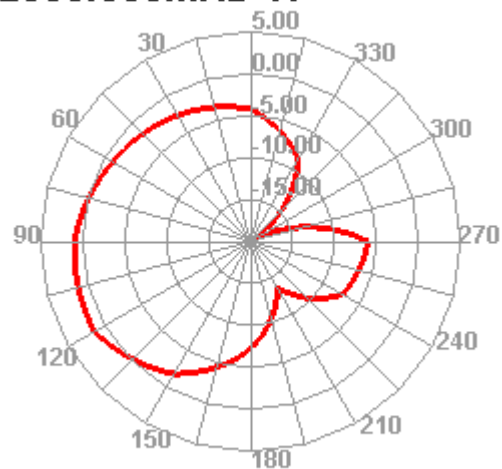
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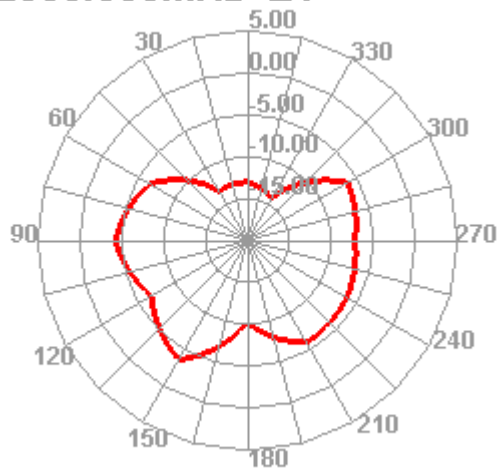
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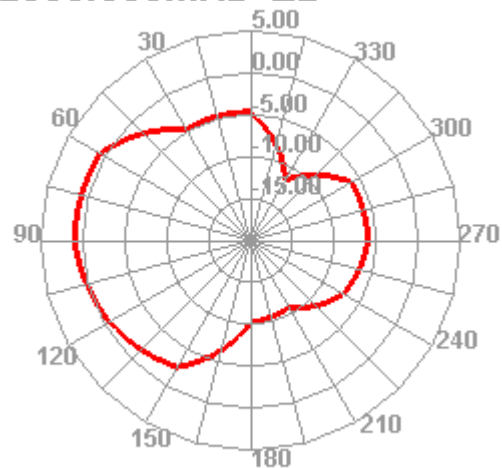
WiFi   PRACTICAL 5-6 METER

4.0 ENVIRONMENTAL SPECIFICATIONS

4.1 TEMPERATURE
Operating Temperature Range: -40°C～ +85°C
Storage Temperature Range: -40°C～ +120°C

4.2 SALT SPRAY TEST
Antenna be exposed in a 35°C, 5% salt fog chamber for 24 hours then check the appearance and performance against the specifications in normal temperature.

4.3 STATIC HUMIDITY TEST
The antenna is subjected to the following test:
Temperatures: +70℃ and 90%--95%RH
Test Duration: 24 Hours
The antenna should not undergo any structural or functional change and remain within the electrical/mechanical specification.

5.0 PACKAGING
The antennas will be packed in bags, There are 100 or 200 antennas per bag. The bags are packed in corrugated fibreboard over box.

6.0 Antenna drawing：

NOTES:

1. 材料: 半对半 ☑半对半 一对一

2. 电镀工艺: ☑镀镍 镀金 防氧化

3. 油墨: ☑亚光黑字符白亮 亚光白字符白亮

4. 胶带: 3M300LE

5. 出货方式: ☑整版出货 单个出货 整版贴膜出货

6. 带 "▲" 尺寸为重点尺寸。

7. 表面无压伤 划痕 无油污 斑点等缺陷。

8. 图面尺寸用以检验外形功能和装配。未标注尺寸以电子档为准。

9. 本图档为内部受控文件，未经我司允许严禁以任何形式进行传播。

图例:

金手指 ▓(黄)
线路
外形
手撕位 --- ---

反面手撕位

19±0.1

24.34±0.1

0.81

75mm

浸锡

2.00
1.20
1.00

F7-WIFI

一般公差:
单位: MM

X.	±0.5
.X	±0.25
.XX	±0.10
.XXX	±0.05
ANGULAR	± 0.5°

材质: FPC

表面处理: 清洁

颜色:

R F:

日期: 2020/05/22

审核:

比例: 1:1

版本:

° ±24°

修改内容   修改者   修改日期