

东莞市淼泰电子有限公司  
Dongguan MiaoTEC Electronics Co.,Ltd.

承认书  
Specification For Approval

客户名称  
(CUSTOMER):

云卓科技有限公司

品名  
(DESCRIPTION):

RF Antenna ASSEMBLY  
1.13 Cable 黑色 L270mm + 2.4/5.8G FPC+IPEX PLUG

客户料号  
(PART NO):

GP1903

料 号  
(PART NO):

500101-00120-000

送样日期  
( DATE ):

2023. 11. 23

版本  
Revision:

A1

承认号码  
(APPROVED  
NO):

MT. 承-231106-001

CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

SUPPLIER SIGNATURE

APPROVAL

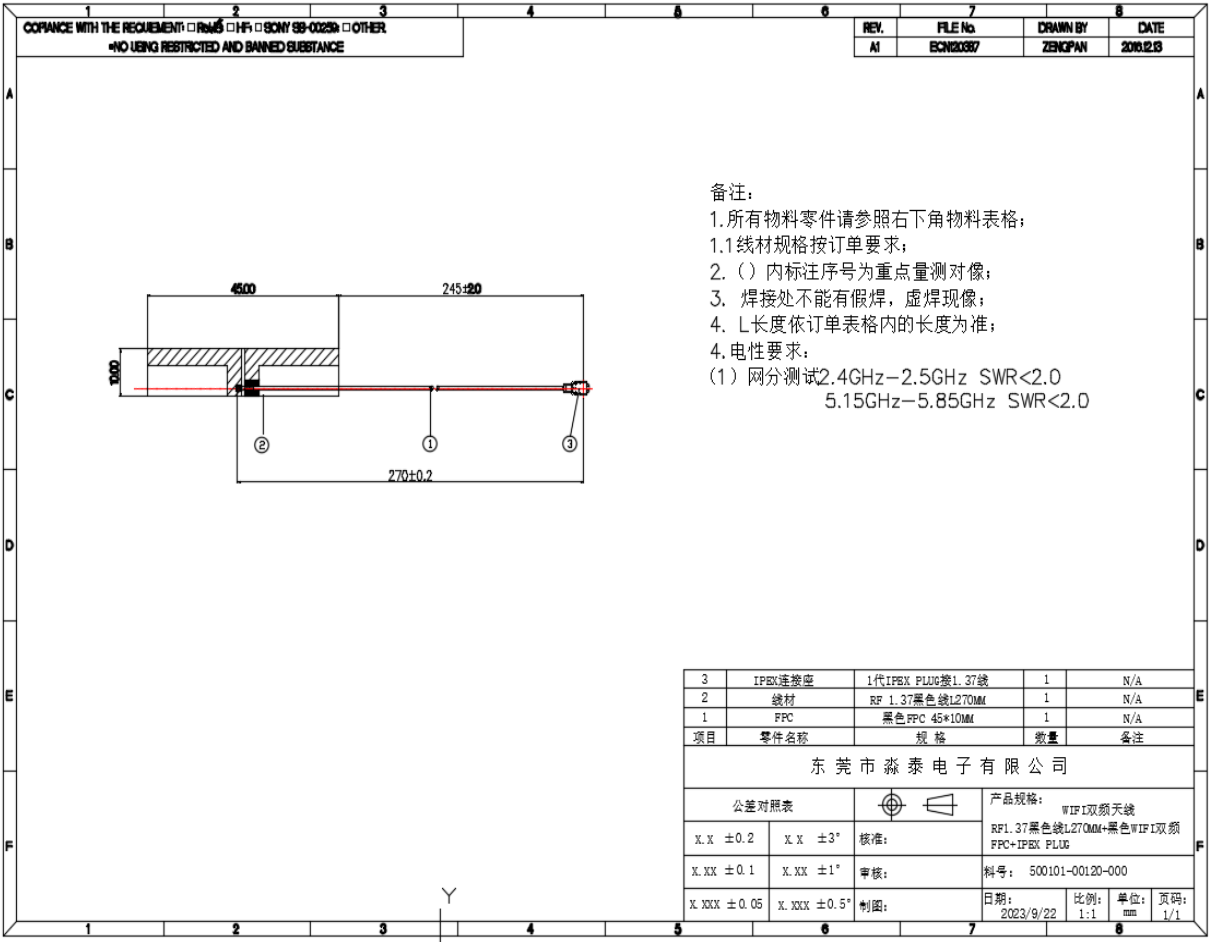
CHECK

DESIGN

东莞市淼泰电子有限公司  
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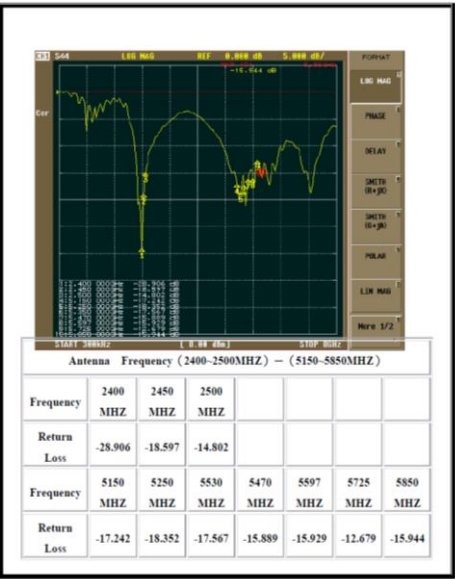
| 电气参数 Electrical Specifications    |                     |              |
|-----------------------------------|---------------------|--------------|
| 频率范围 Frequency range (MHz)        | 2.4-2.5GHz          | 5.15-5.85GHz |
| 带宽 Bandwidth (MHz)                | 100MHz              | 700MHz       |
| 增益 Gain (dBi)                     | 2dBi                | 4dBi         |
| 半功率波瓣宽度 Half-power beam width(° ) | H:360          V:14 |              |
| 电压驻波比 VSWR                        | ≤3.5                |              |
| 输入阻抗 Input Impedance(Ω)           | 50                  |              |
| 极化方式 Polarization                 | 垂直Vertical          |              |
| 最大功率 Maximum input power (W)      | 50                  |              |
| 雷电保护 Lightning protection         | 直流接地 DC Ground      |              |
| 接头型号 Input connector type         | 1代IPEX PLUG         |              |
| 机械参数 Mechanical Specifications    |                     |              |
| 天线尺寸 Dimensions (mm)              | 见工程图                |              |
| 天线重量 Antenna weight (kg)          | 2g                  |              |
| 工作温度 Operating temperature (℃)    | ~ 40-55             |              |
| 天线颜色 Antenna color                | White(黑色)           |              |
|                                   |                     |              |
|                                   |                     |              |
|                                   |                     |              |
|                                   |                     |              |
|                                   |                     |              |

产品图纸  
Product drawing



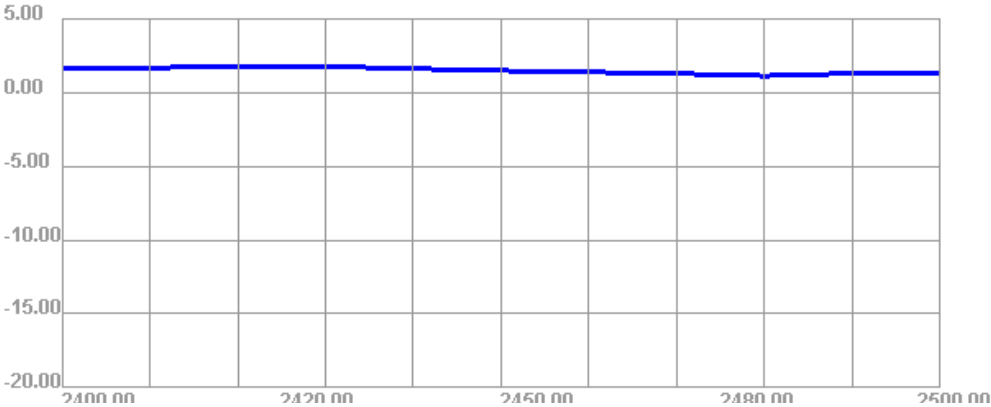
Parameter Test

E5071B

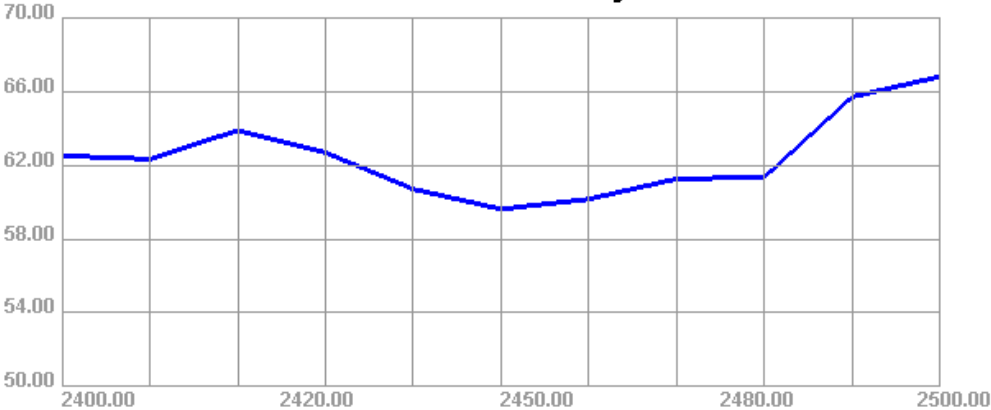


| Passive Test For WIFI2400 |             |              |               |               |            |            |             |             |                     |                    |
|---------------------------|-------------|--------------|---------------|---------------|------------|------------|-------------|-------------|---------------------|--------------------|
| Freq<br>(MHz)             | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Gain<br>(dBd) | UHS<br>(%) | DHS<br>(%) | Max<br>(dB) | Min<br>(dB) | irectivity<br>(dBi) | Beamwidth<br>(3dB) |
| 2400                      | 62.51       | -2.04        | 1.61          | -0.54         | 32.554     | 29.958     | 1.61        | -13         | 3.65                | 30                 |
| 2410                      | 62.34       | -2.05        | 1.66          | -0.49         | 31.967     | 30.372     | 1.66        | -12.16      | 3.71                | 30                 |
| 2420                      | 63.89       | -1.95        | 1.8           | -0.35         | 32.254     | 31.638     | 1.8         | -11.29      | 3.75                | 30                 |
| 2430                      | 62.69       | -2.03        | 1.77          | -0.38         | 31.174     | 31.515     | 1.77        | -10.6       | 3.79                | 120                |
| 2440                      | 60.71       | -2.17        | 1.61          | -0.54         | 29.81      | 30.899     | 1.61        | -10.28      | 3.78                | 120                |
| 2450                      | 59.63       | -2.25        | 1.48          | -0.67         | 28.967     | 30.66      | 1.48        | -10.23      | 3.73                | 30                 |
| 2460                      | 60.16       | -2.21        | 1.38          | -0.77         | 28.998     | 31.166     | 1.38        | -10.34      | 3.59                | 30                 |
| 2470                      | 61.26       | -2.13        | 1.28          | -0.87         | 29.212     | 32.053     | 1.28        | -10.7       | 3.41                | 60                 |
| 2480                      | 61.35       | -2.12        | 1.13          | -1.02         | 28.796     | 32.558     | 1.13        | -11.06      | 3.25                | 60                 |
| 2490                      | 65.71       | -1.82        | 1.29          | -0.86         | 30.206     | 35.505     | 1.29        | -10.98      | 3.12                | 60                 |
| 2500                      | 66.81       | -1.75        | 1.27          | -0.88         | 30.073     | 36.738     | 1.27        | -10.82      | 3.02                | 60                 |

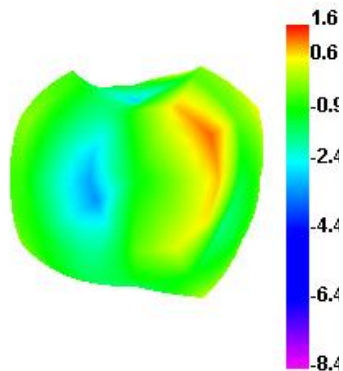
2400.00MHz - 2500.00MHz Gain



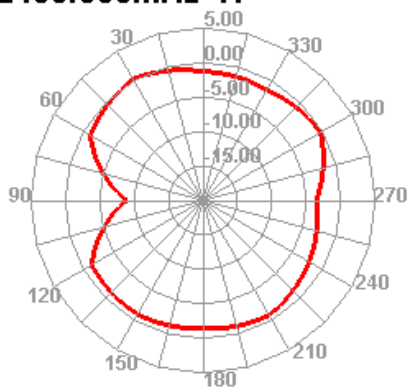
2400.00MHz - 2500.00MHz Efficiency



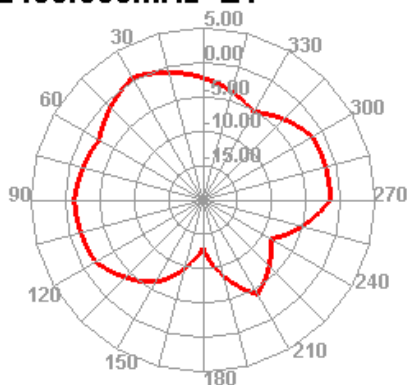
2400.000MHz



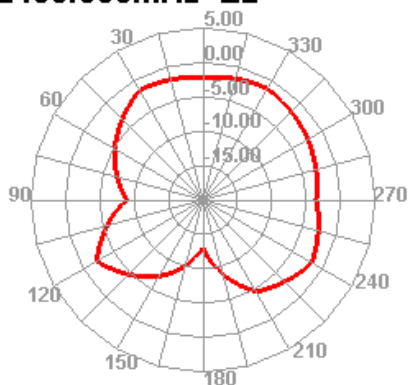
2400.000MHz H



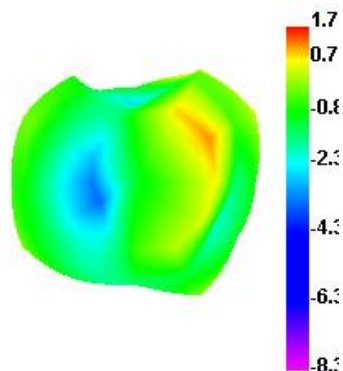
2400.000MHz E1



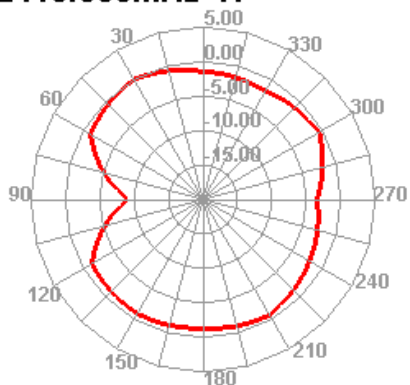
2400.000MHz E2



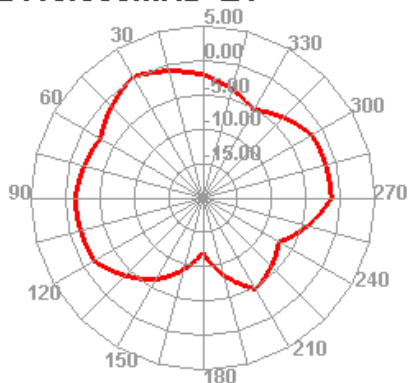
2410.000MHz



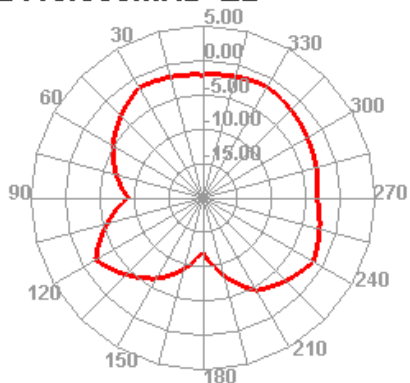
2410.000MHz H



2410.000MHz E1

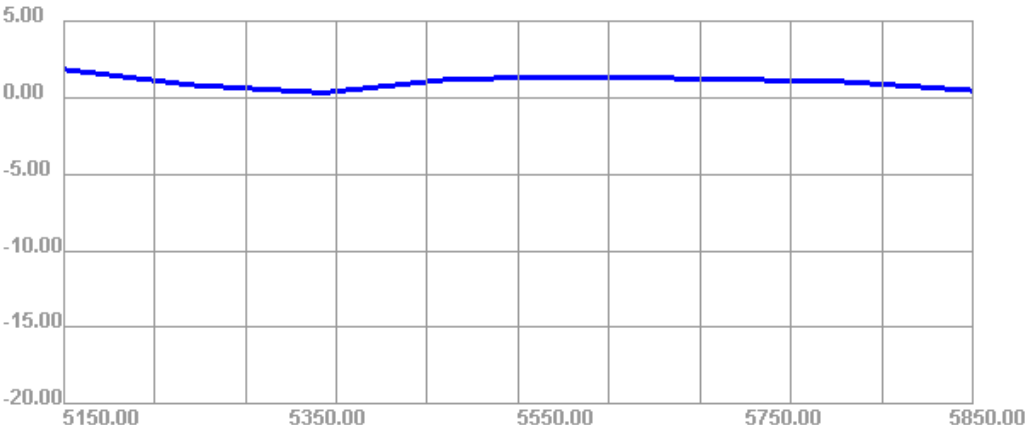


2410.000MHz E2

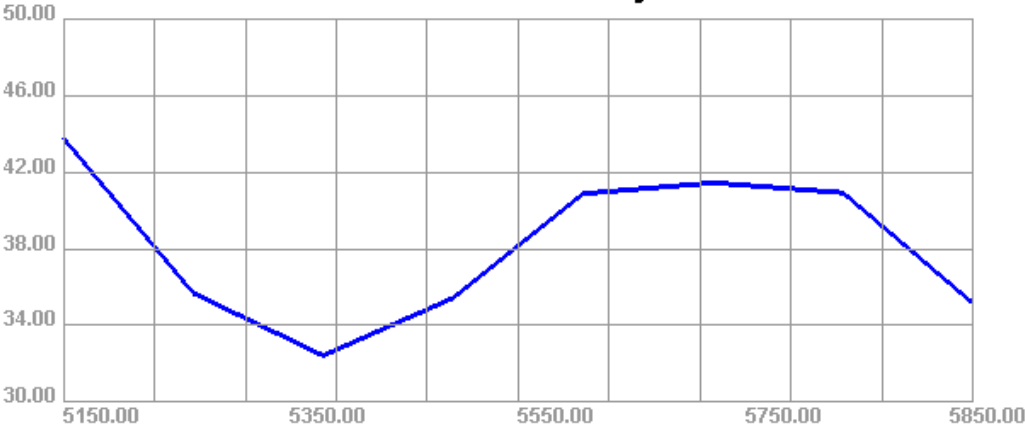


| Passive Test For WIFI-5G |             |              |               |               |            |            |             |             |                     |                    |
|--------------------------|-------------|--------------|---------------|---------------|------------|------------|-------------|-------------|---------------------|--------------------|
| Freq<br>(MHz)            | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Gain<br>(dBd) | UHS<br>(%) | DHS<br>(%) | Max<br>(dB) | Min<br>(dB) | irectivity<br>(dBi) | Beamwidth<br>(3dB) |
| 5150                     | 43.77       | -3.59        | 1.83          | -0.32         | 26.607     | 17.162     | 1.83        | -15.26      | 5.42                | 60                 |
| 5250                     | 35.69       | -4.47        | 0.81          | -1.34         | 21.348     | 14.342     | 0.81        | -15.16      | 5.28                | 60                 |
| 5350                     | 32.43       | -4.89        | 0.31          | -1.84         | 18.864     | 13.567     | 0.31        | -18.24      | 5.2                 | 90                 |
| 5450                     | 35.45       | -4.5         | 1.21          | -0.94         | 21.424     | 14.026     | 1.21        | -18.44      | 5.71                | 60                 |
| 5550                     | 40.88       | -3.88        | 1.35          | -0.8          | 24.811     | 16.07      | 1.35        | -22.05      | 5.23                | 60                 |
| 5650                     | 41.45       | -3.82        | 1.21          | -0.94         | 24.395     | 17.056     | 1.21        | -17.25      | 5.03                | 60                 |
| 5750                     | 40.93       | -3.88        | 1.03          | -1.12         | 23.579     | 17.349     | 1.03        | -17.35      | 4.91                | 120                |
| 5850                     | 35.16       | -4.54        | 0.46          | -1.69         | 20.197     | 14.966     | 0.46        | -14.91      | 5                   | 90                 |

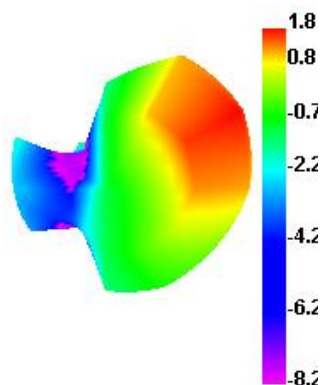
5150.00MHz - 5850.00MHz Gain



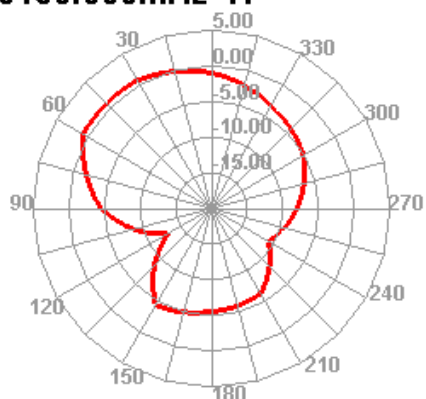
5150.00MHz - 5850.00MHz Efficiency



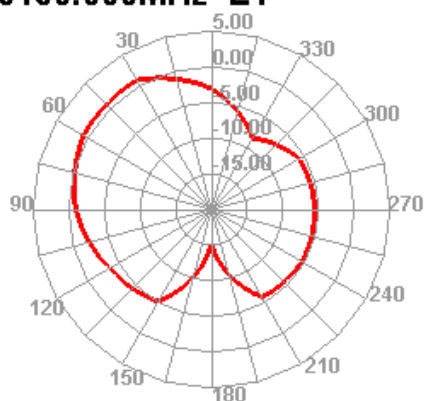
5150.000MHz



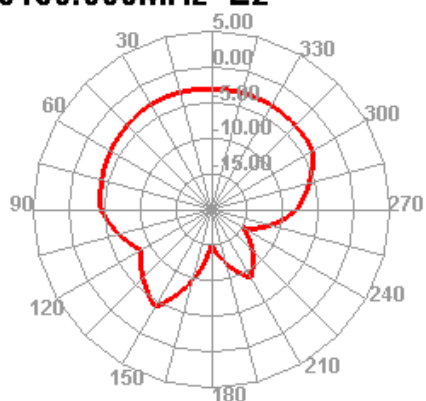
5150.000MHz H



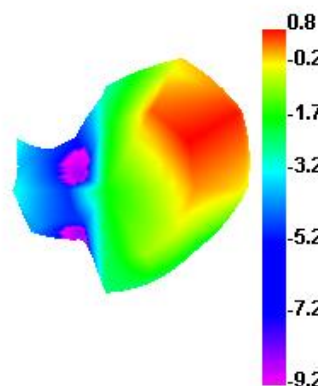
5150.000MHz E1



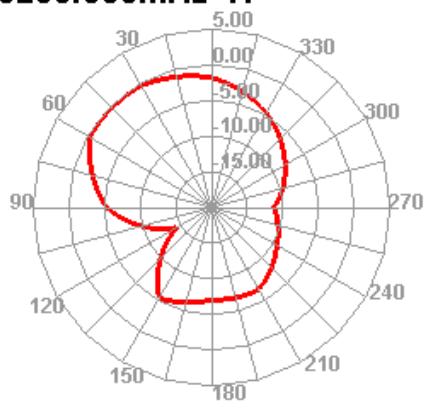
5150.000MHz E2



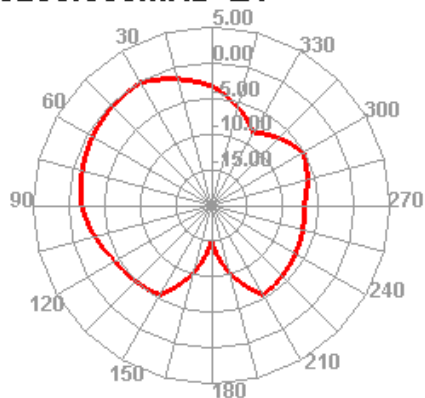
5250.000MHz



5250.000MHz H



5250.000MHz E1



5250.000MHz E2

