深圳市雨盛通讯电子有限公司
Shenzhen Yu Sheng Communications Electronics co., LTD

TEL：+86 0755-28640107 FAX：+86 755 28694967

# 承认书
# APPROVAL

版本：A1

| | |
|---|---|
| 客　　户<br>CUSTOMER: | |
| 品 名 规 格<br>DESCRIPTION: | **2.4G built-in FPC antenna 100mm** |
| 料　　号<br>PART NO.: | YS030-0110 |
| 客 户 料 号<br>CUS PART NO.: | |
| 日　　期<br>D A T E: | 2022-5-7 |

呈样签章:

| 工　程<br>ENGINEERING DEPARTMENT | 品　保<br>Q C DEPARTMENT | 业　务<br>SALES DEPARTMENT |
|---|---|---|
| | | |
| | | |

客户承认签章 ：

| 工　程<br>ENGINEERING DEPARTMENT | 品　保<br>Q C DEPARTMENT | 采　购<br>PURCHASING DEPARTMENT |
|---|---|---|
| | | |

※客户确认样品附意栏：

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# Electrical technical parameters

| 电 性 能 指 标 | | Electrical Specifications | |
|---|---|---|---|
| 频率范围 | 2400-2500MHZ | Frequency Range | 2400-2500MHZ |
| 电压驻波比 | ≤2.0 | VSWR | ≤2.0 |
| 增益 | 2.69DBI | GAIN | 2.69DBI |
| 输入阻抗 | 50 Ω | Input Impedance | 50 Ω |
| 机 械 指 标 | | Mechanical Specifications | |
| 天线颜色 | 黑色 | Antenna Color | Black |
| 接口形式 | IPEX | Input connector | IPEX |
| 工作温度 | -40℃~+85℃ | Working Temperature | -40℃~+85℃ |
| 工作湿度 | 20~80% | Working Humidity | 20~80% |

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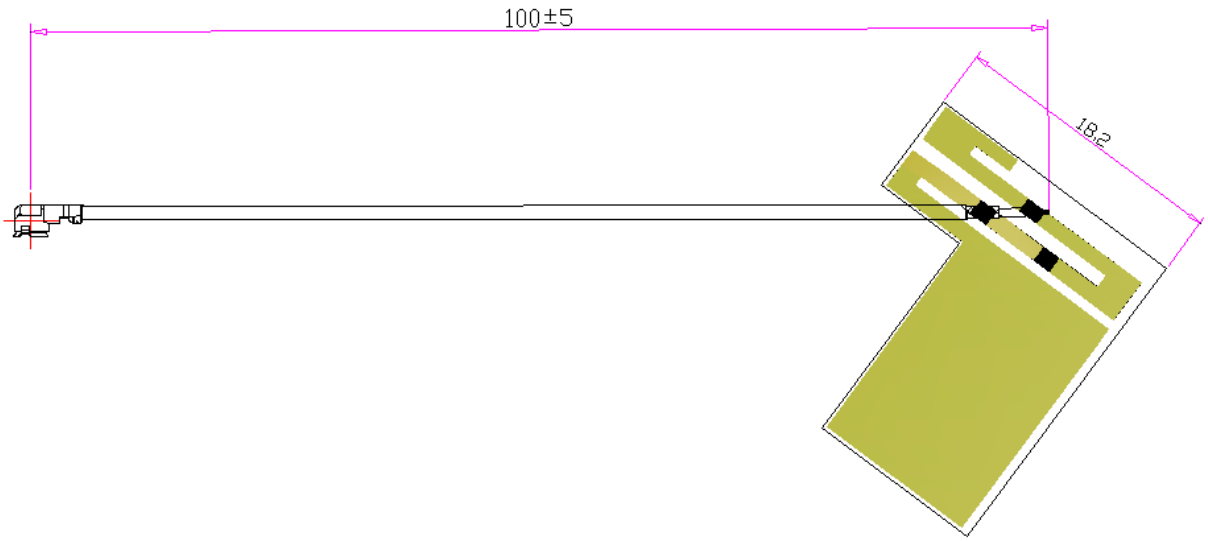
Specification drawing:



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Gain test:

| Passive Test For WIFI | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | UHIS (%) | DHIS (%) | Max (dB) | Min (dB) | Directivity (dBi) | Beamwidth (3dB) | AttH (dB) | AttV (dB) |
| 2400 | 39.9 | -3.99 | 0.52 | -1.63 | 16.108 | 23.797 | 0.52 | -13.42 | 4.51 | 60 | 43.91 | 43.89 |
| 2410 | 39.32 | -4.05 | 0.51 | -1.64 | 15.992 | 23.328 | 0.51 | -13.61 | 4.56 | 60 | 44.05 | 43.95 |
| 2420 | 37.97 | -4.21 | 0.6 | -1.55 | 15.669 | 22.298 | 0.6 | -14.15 | 4.8 | 150 | 43.94 | 43.81 |
| 2430 | 39.67 | -4.01 | 1.01 | -1.14 | 16.61 | 23.065 | 1.01 | -15.14 | 5.03 | 120 | 44.07 | 43.87 |
| 2440 | 41.87 | -3.78 | 1.33 | -0.82 | 17.871 | 24.001 | 1.33 | -16.2 | 5.12 | 120 | 44.39 | 44.15 |
| 2450 | 45.28 | -3.44 | 1.72 | -0.43 | 19.717 | 25.565 | 1.72 | -15.97 | 5.16 | 120 | 44.63 | 44.34 |
| 2460 | 44.68 | -3.5 | 1.47 | -0.68 | 19.873 | 24.811 | 1.47 | -16.74 | 4.97 | 120 | 44.63 | 44.43 |
| 2470 | 46.01 | -3.37 | 1.57 | -0.58 | 20.954 | 25.061 | 1.57 | -17.79 | 4.95 | 120 | 44.56 | 44.29 |
| 2480 | 47.58 | -3.23 | 2.05 | -0.1 | 22.246 | 25.334 | 2.05 | -19.85 | 5.27 | 60 | 44.67 | 44.37 |
| 2490 | 51.46 | -2.89 | 2.62 | 0.47 | 24.645 | 26.814 | 2.62 | -20.28 | 5.5 | 0 | 44.7 | 44.46 |
| 2500 | 51.32 | -2.9 | 2.69 | 0.54 | 25.073 | 26.244 | 2.69 | -22.69 | 5.59 | 0 | 44.59 | 44.18 |

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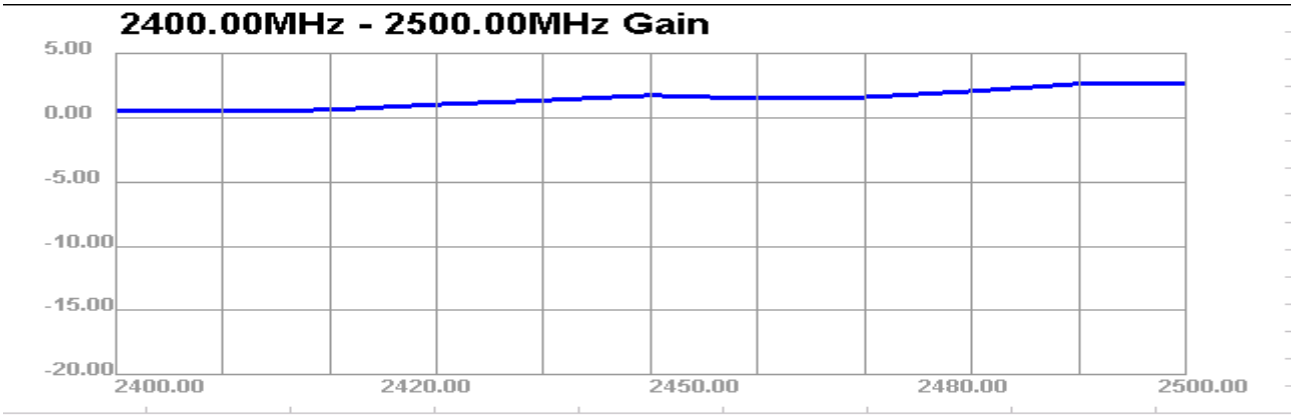


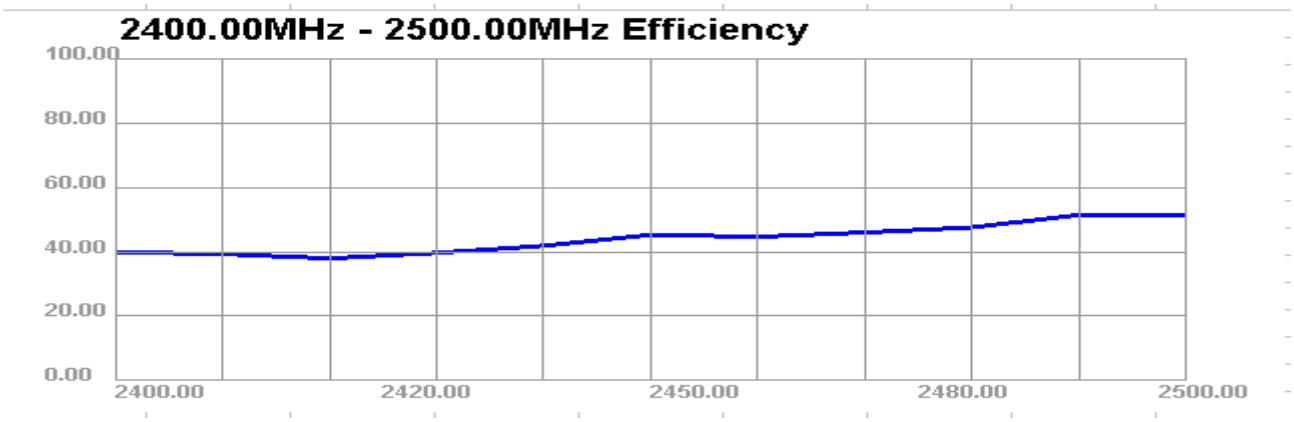


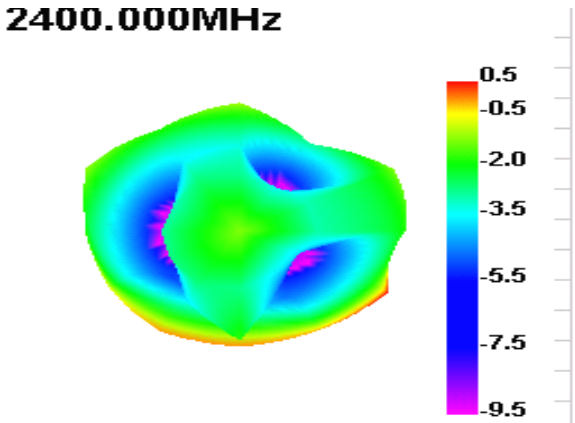


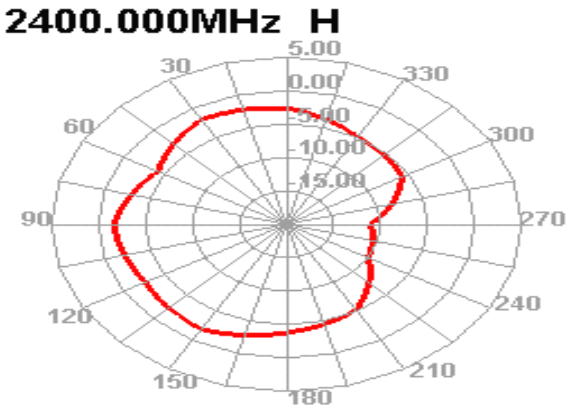


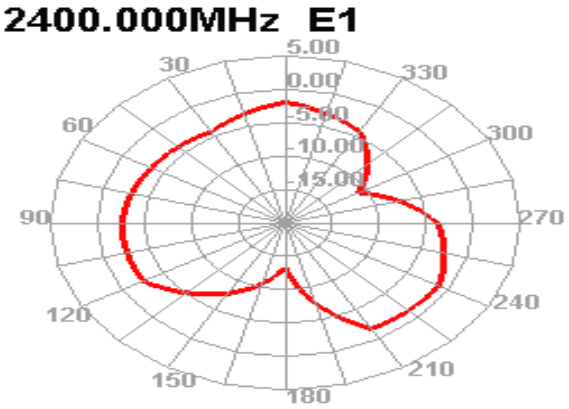


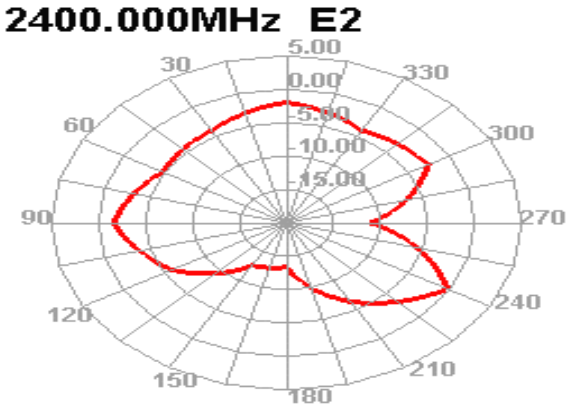

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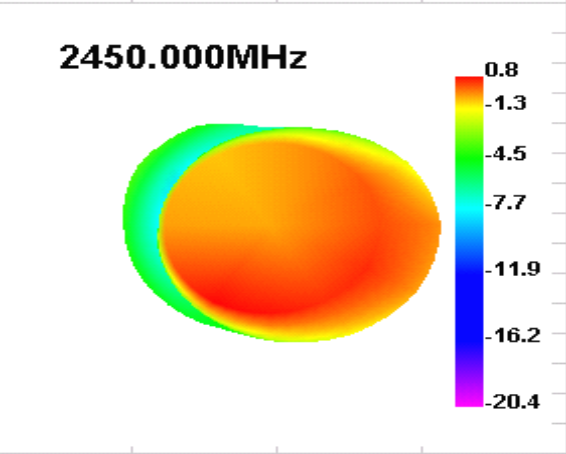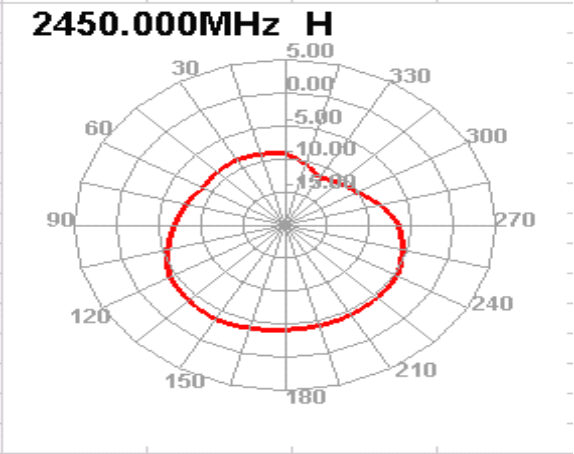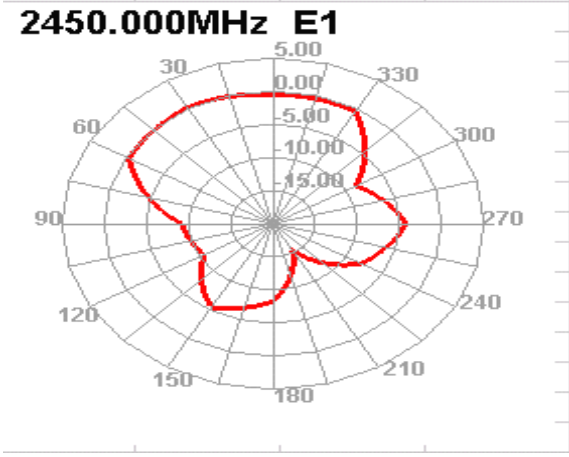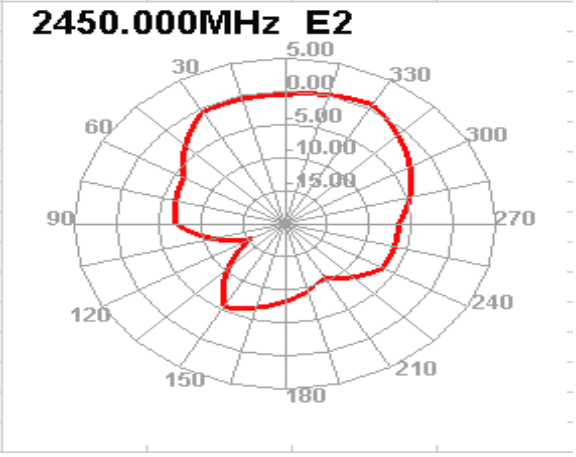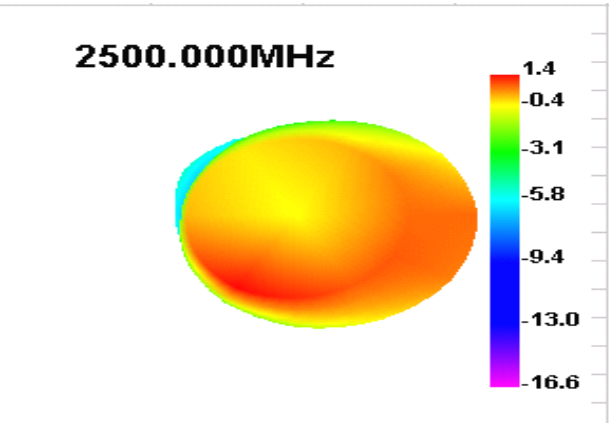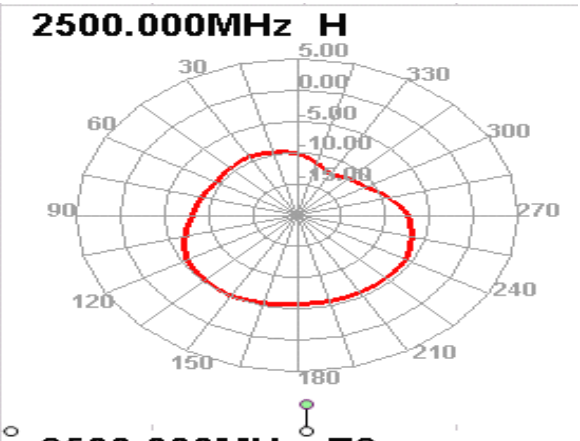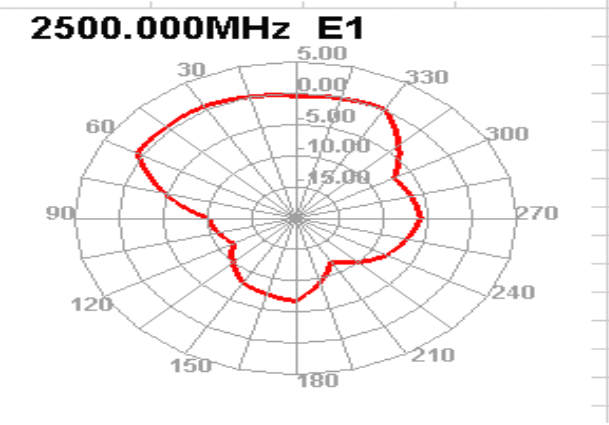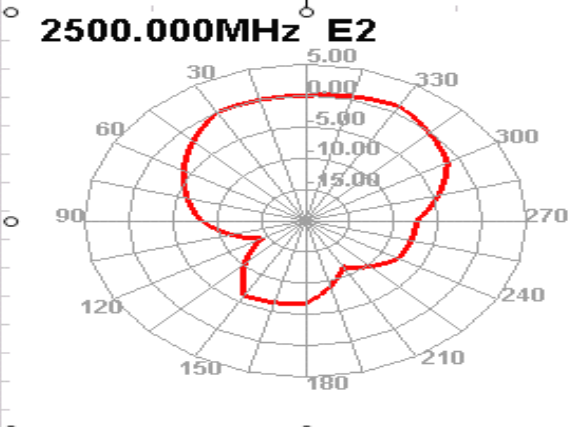
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