

Product Specification Overview

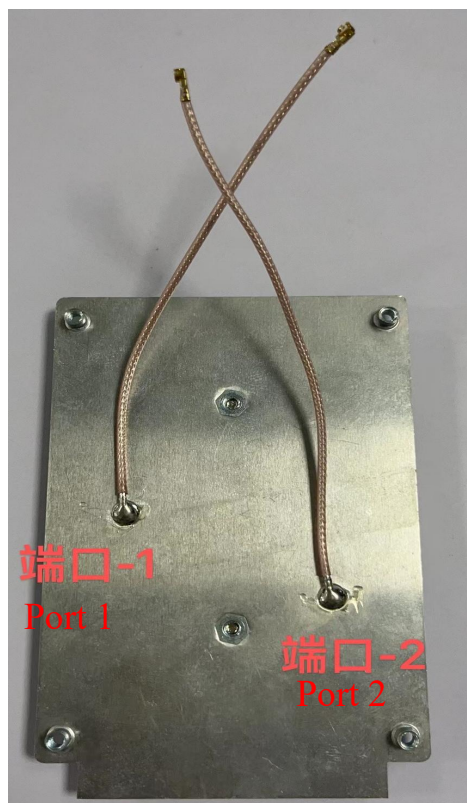
●Electrical Performance:

1. Frequency Range: 5.8 GHz
2. Impedance: 50 Ohms nominal
3. VSWR: ≤ 1.92
4. Gain: 10dBi
5. Admitted power radiation: 1W
6. Radiation of Radiation: Toroidal
7. Radiation: Omni
8. Polarization: Vertical
9. Connector Type: IPEX

●Mechanical properties:

1. Cable: RG1.78/brown, 50 Ohm
2. Operation temperature range: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
3. Storage temperature range: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$
4. Color:

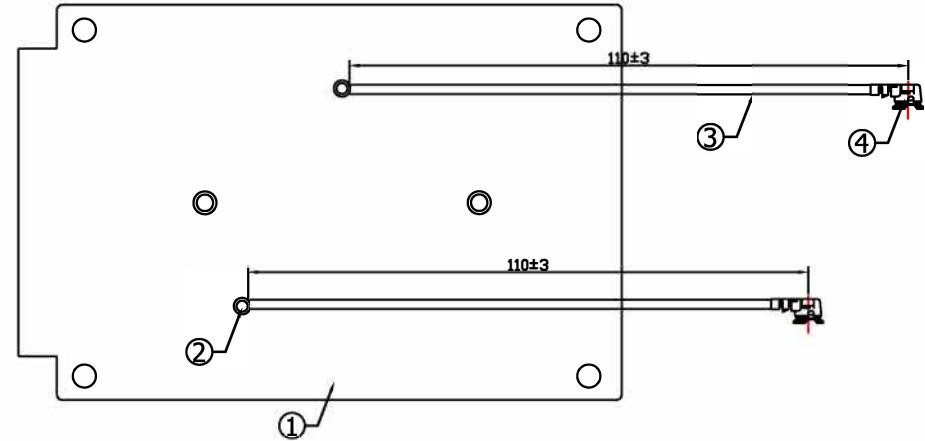
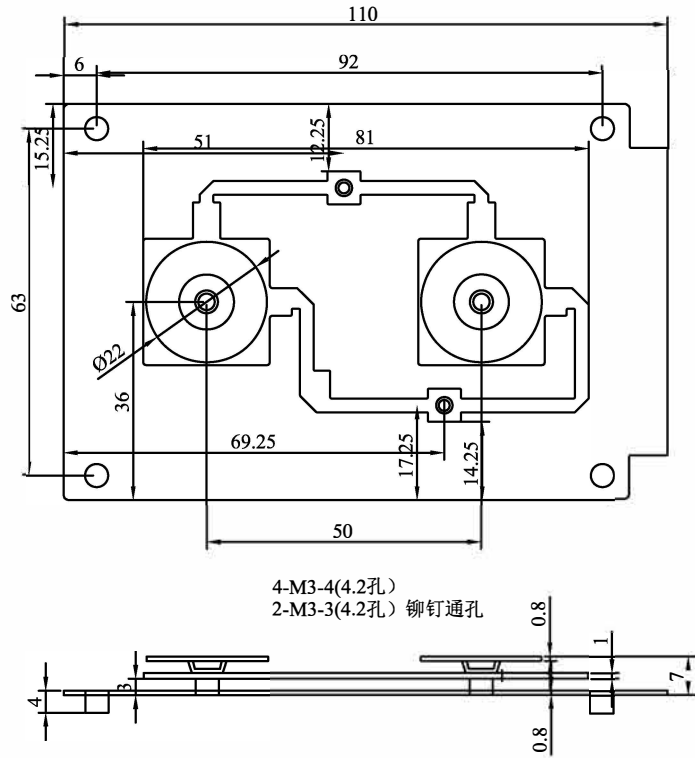
●The product structure pictures



成品图



| | | |
|------|------|-----------|
| REV. | 修订内容 | 修订时间 |
| X1 | 新版发行 | 2023.9.13 |



Specification:
Frequency
Rang:5150-5850MHz

| | | | | |
|----|-----------------|--------------------------|------|--------|
| 1 | Aluminium sheet | L100xW63X1mm | 1 | |
| 2 | Screw | H*2D6mm | 1 | |
| 3 | Cable | RG178Cable,Orange50,Ω | 1 | |
| 4 | Connector | MHF Plug for RG 178Cable | 1 | |
| NO | DESCRIPTION | | Q'TY | REMARK |

| | | | | | | | |
|--|---------------|---|---|------------|------------|-------|-----|
| TITLE: | Flat antenna | | 深圳市麒新弘泽科技有限公司 ShenZhen Keesun Technology Co.,Ltd | | | | |
| P/N: | | | | | | | |
| CUSTOMER: | KS030 | | | | | | |
| DRAW NO.: | KS030-10191-A | | | APPROVED | | | |
| DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED | | | | CHECKED | | | |
| 一般公差 TOLERANCE | | .XXX ±0.05 .XX ±0.1 .X ±0.2 X ±0.5 | XX ±1.0 | SHEET: 1/1 | SCALE: 1:1 | | |
| | | | | UNIT: mm | REV.X1 | DRAWN | 李家茵 |

ShenZhen Keesun Technology Co., Ltd

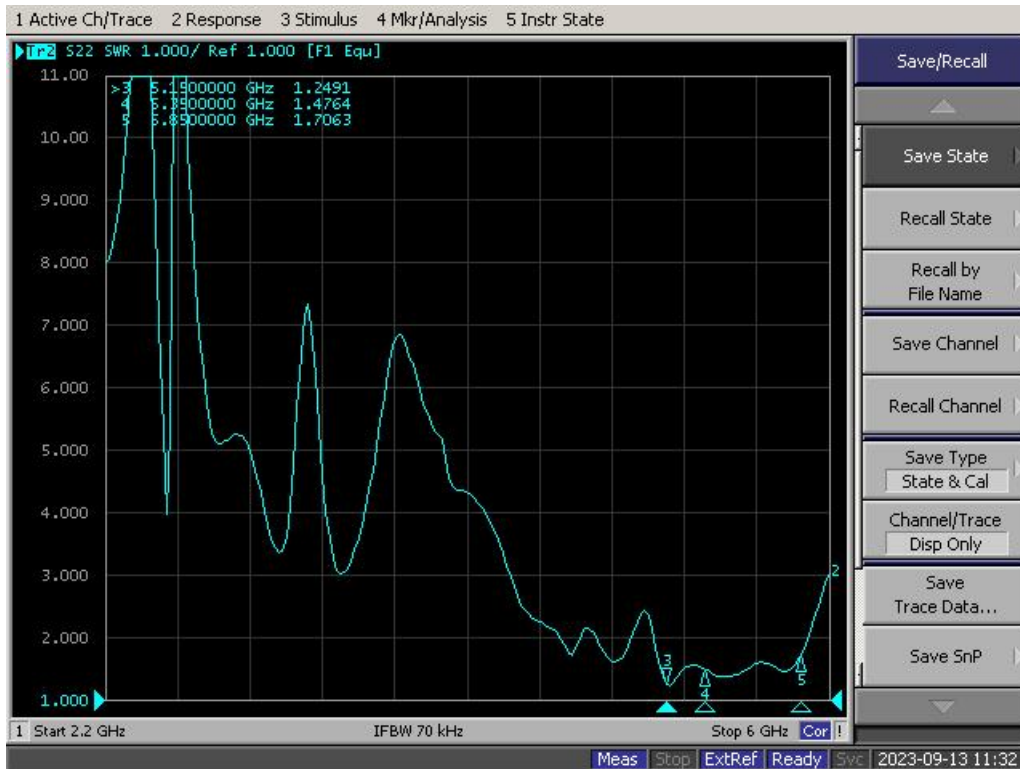
深圳市麒新弘泽科技有限公司

Network analyzer test chart

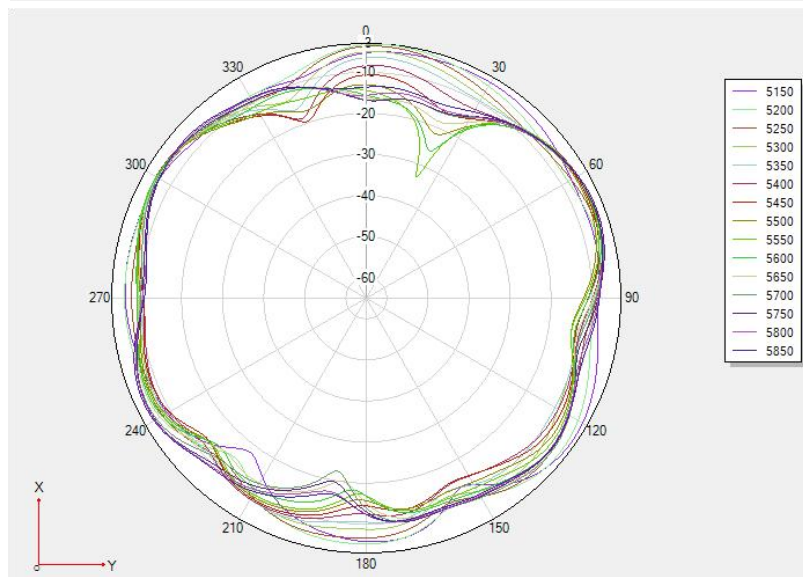
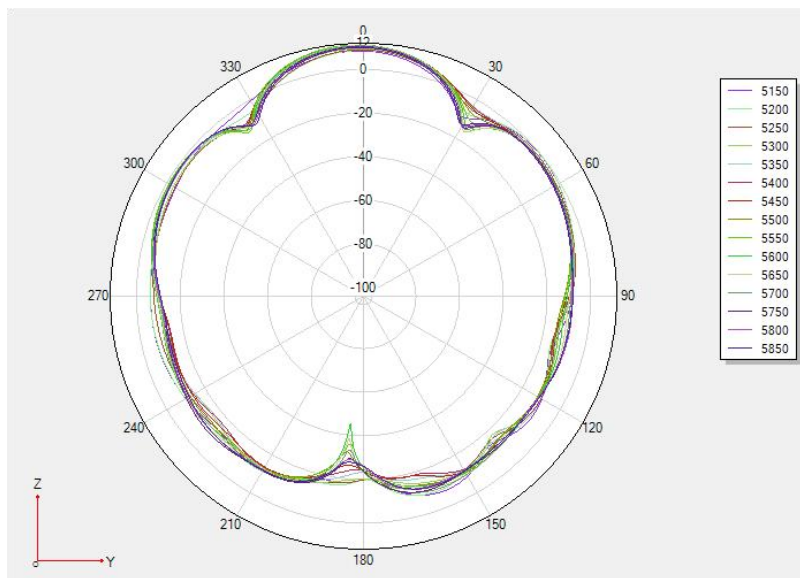
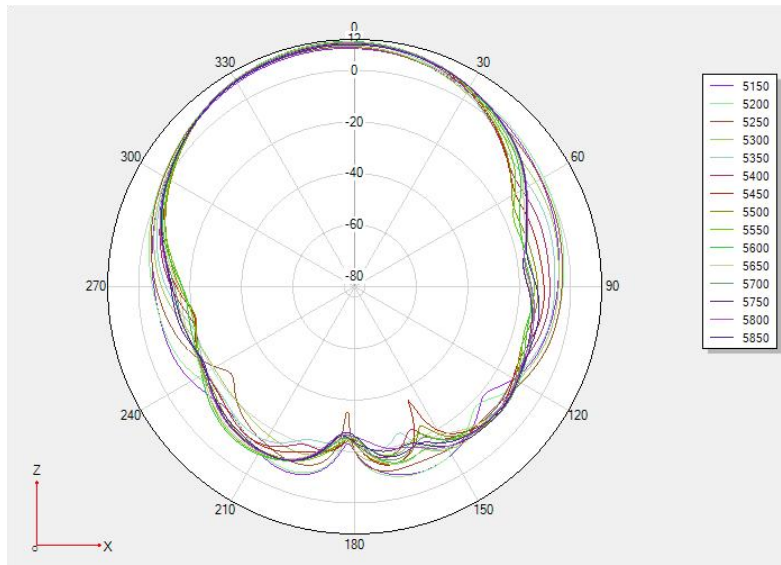
Part number: KS030-10191-A

Product name: 5.8G CPE Flat antenna (two oscillators)

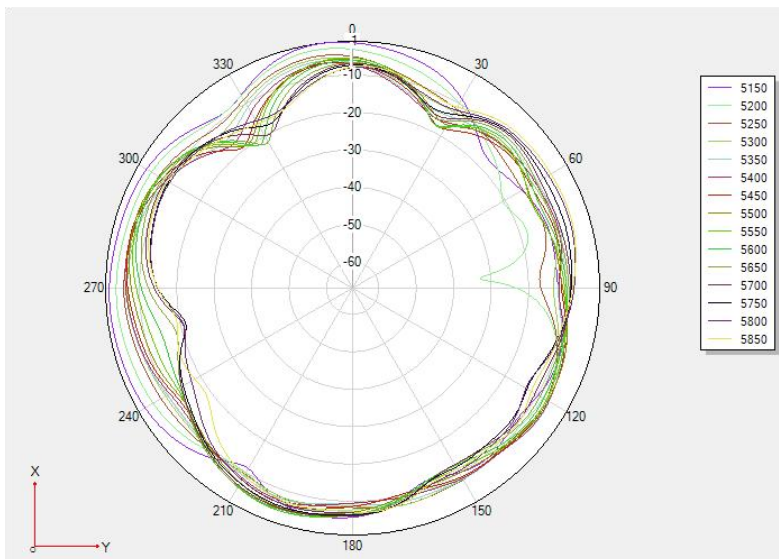
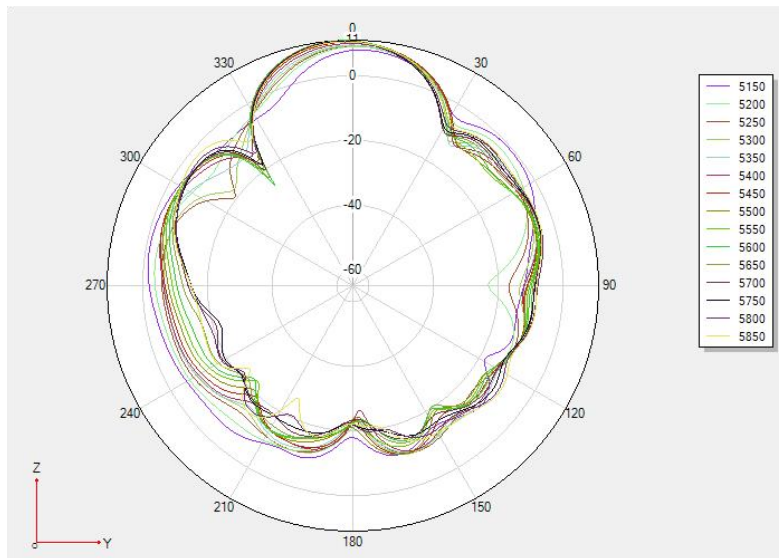
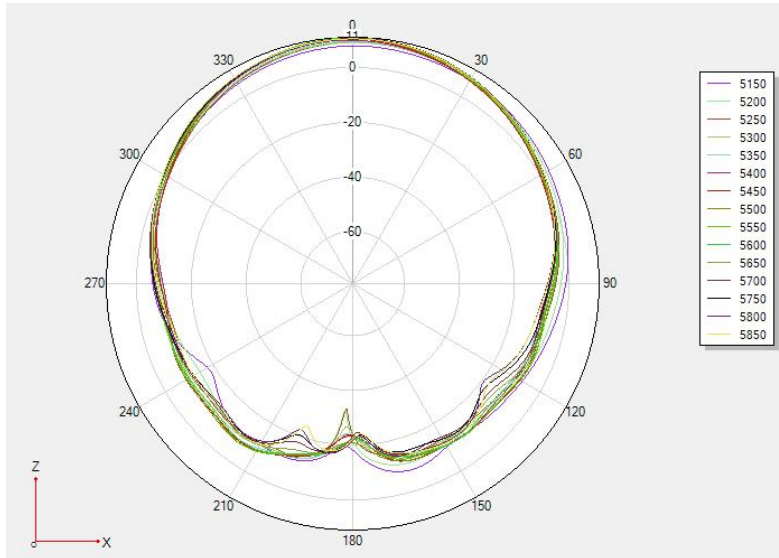
RG178 line+IPEX test value:Return Loss/VSWR



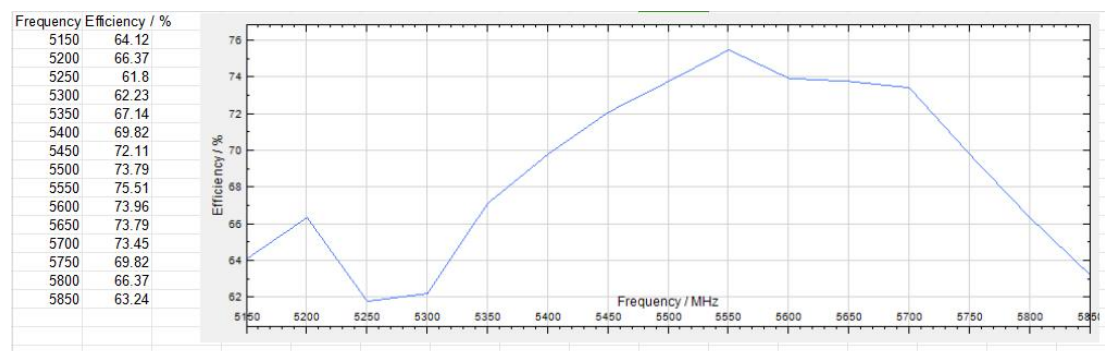
Antenna 2D Report(5.8GHz)-P o r t 1



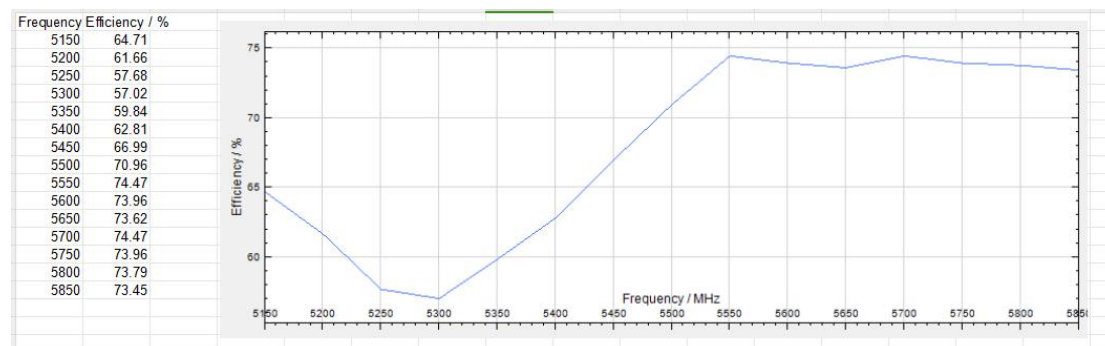
Antenna 2D Report(5.8GHz)-P o r t 2



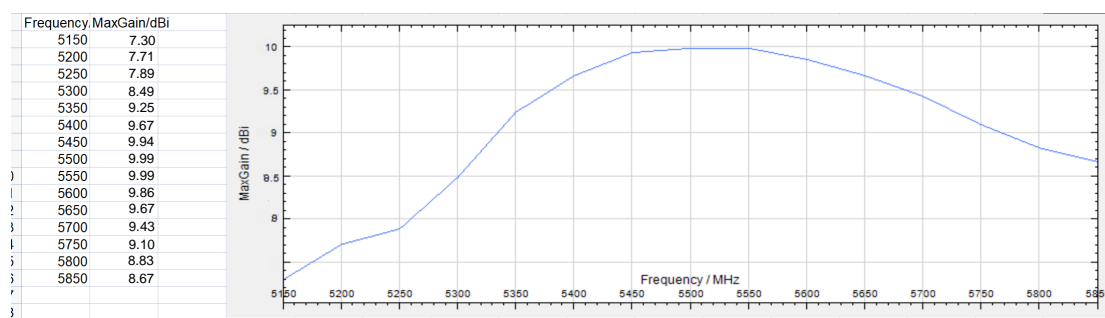
Antenna Efficiency(5.8GHz)-P o r t 1



Antenna Efficiency(5.8GHz)-P o r t 2



Antenna Gain(5.8GHz)-Port 1



Antenna Gain(5.8GHz)-Port 2

