
Product specifications acknowledgment

Manufacturer: Shenzhen Helixun Technology Co., LTD

Description: WiFi Antenna

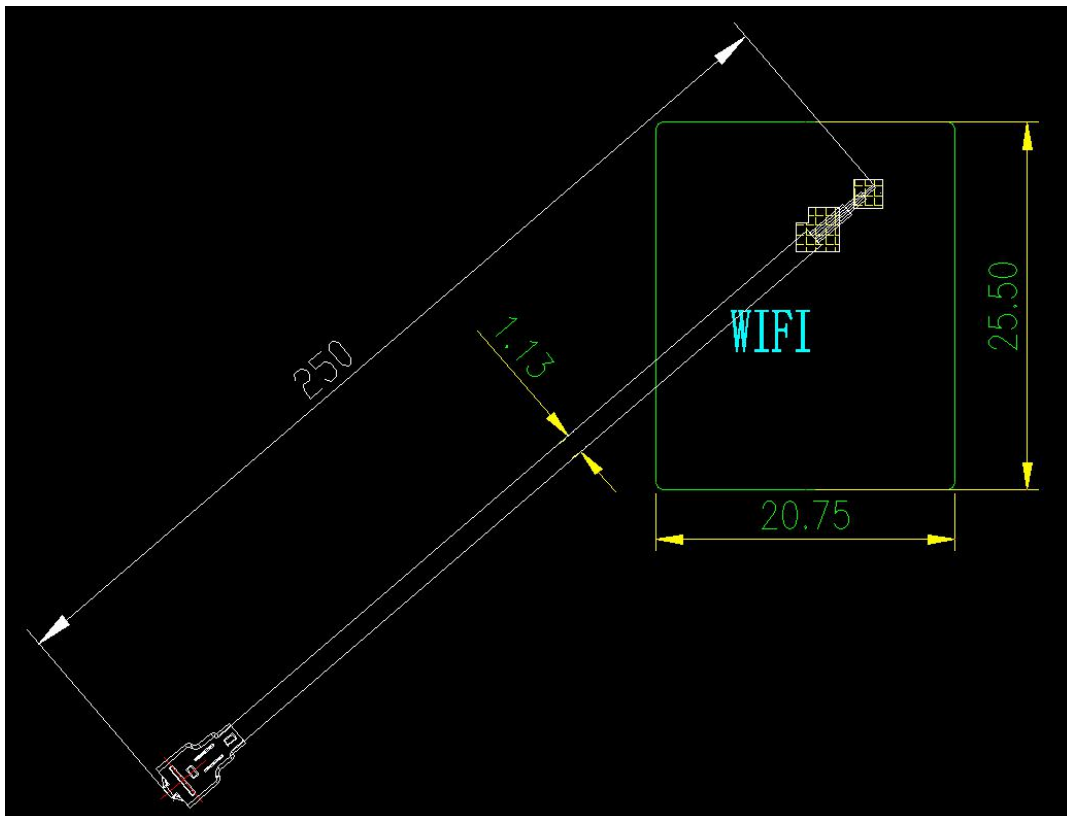
Product Type: YTX-TX-003021A

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Product Specification

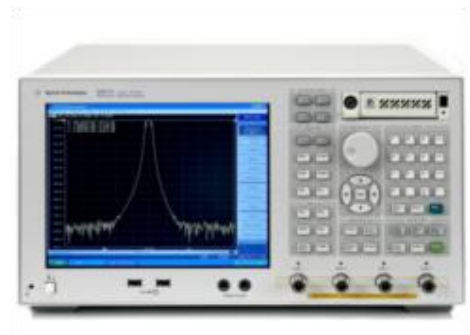
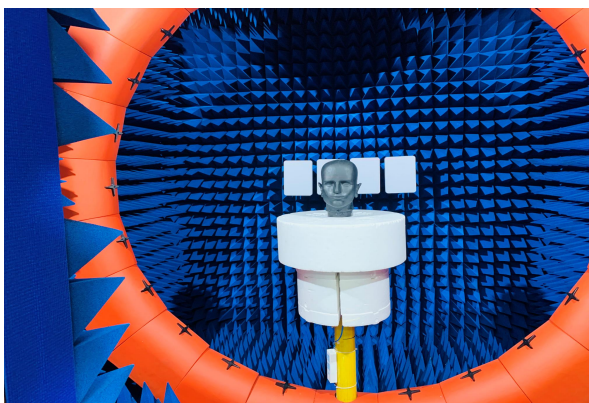
| Main technical specifications | | | |
|-------------------------------|--------------|-------|-------|
| Antenna Type | IFA | | |
| Frequency Range (MHz) | 2400-2500MHz | | |
| Impedance (Ω) | 50 | | |
| Gain (dBi) | 1.01 | | |
| VSWR | ≤ 1.61 | | |
| Physical Properties | | | |
| Size (mm) | 20.75*25.5 | | |
| Material | FPC | | |
| Cable | SY113 | black | 250mm |

Product Drawing



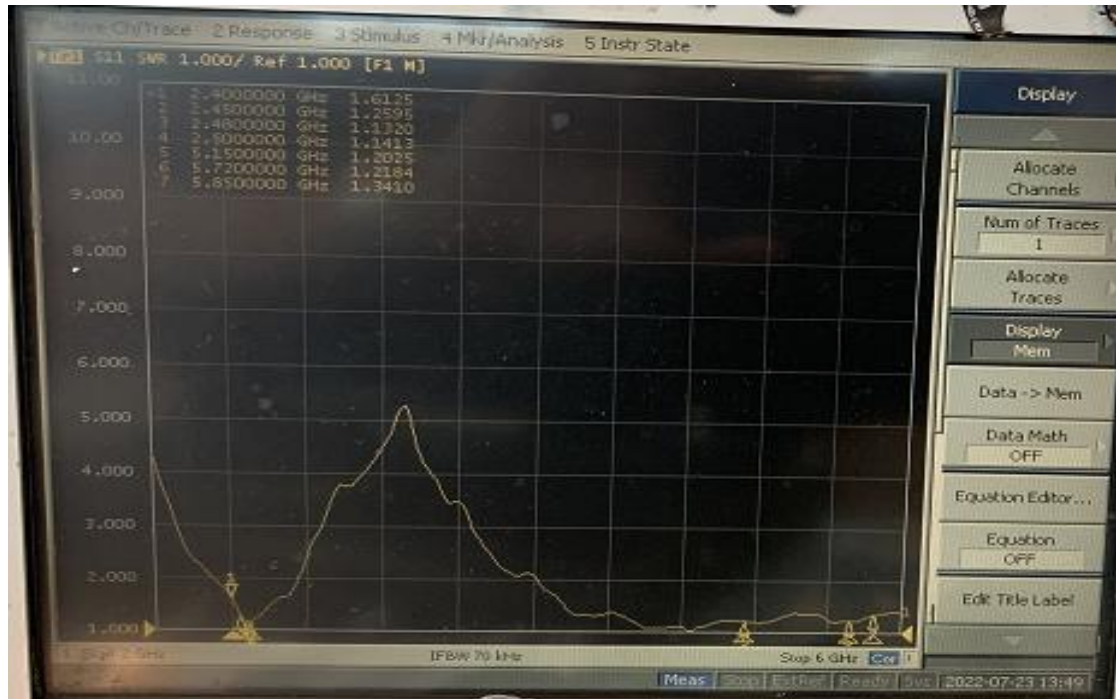
Test Equipment & Conditions

| Sequence Number | Test Item | equipment |
|-------------------|-------------------|--------------------------------------|
| S parameter | VSWR | Agilent 5071C Agilent 5071B |
| OTA Test | TRP&TIS | Agilent 8960 RS CMW500 ETS SATIMO |
| Gain & Efficiency | Gain & Efficiency | ETS SATIMO Agilent 5071C |



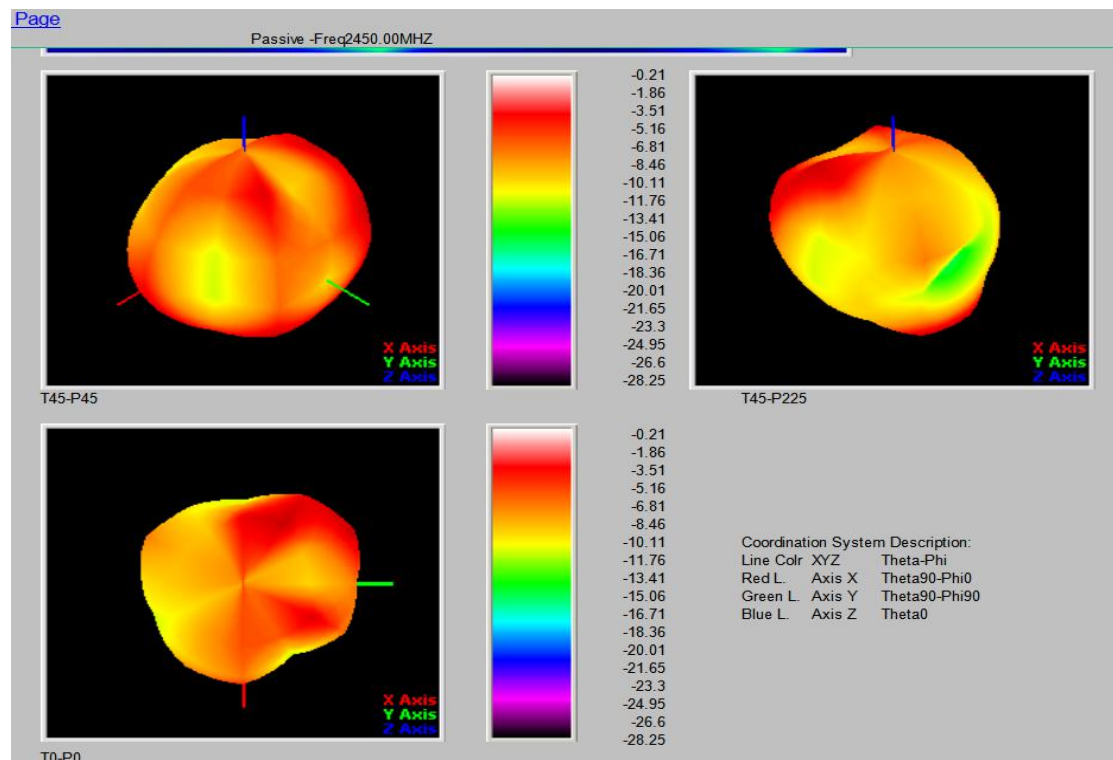
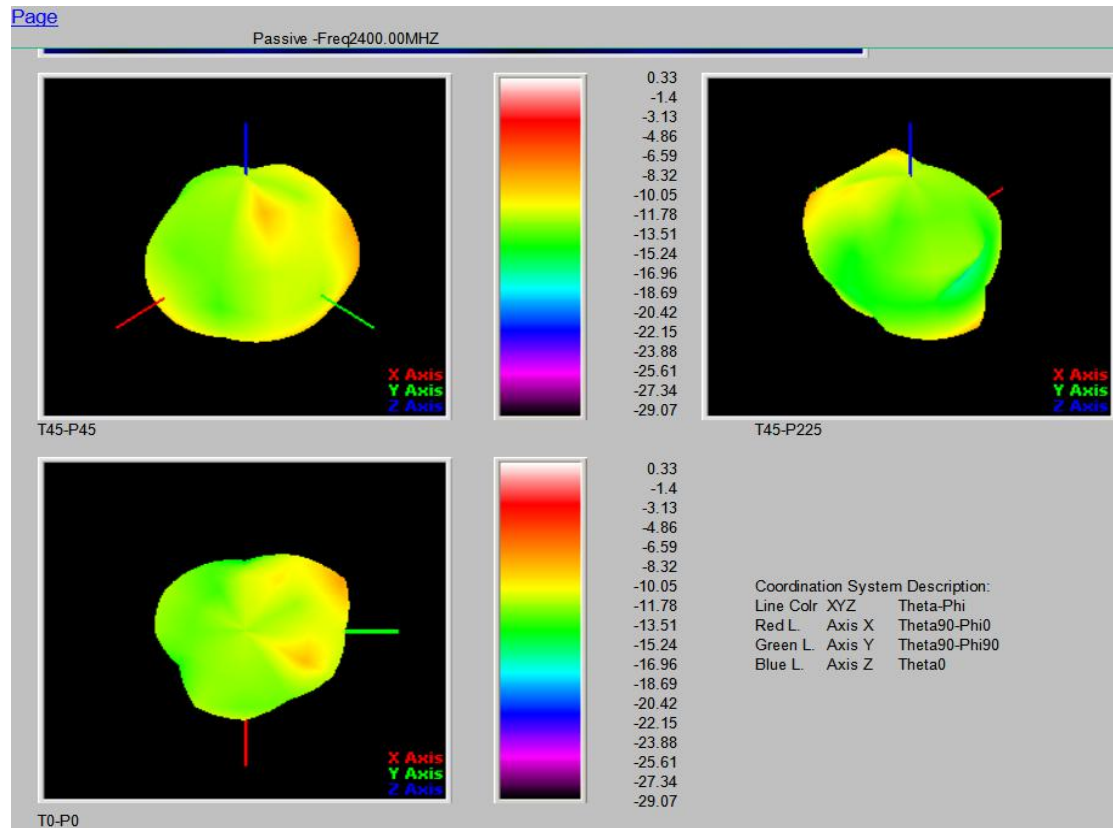
Test Report

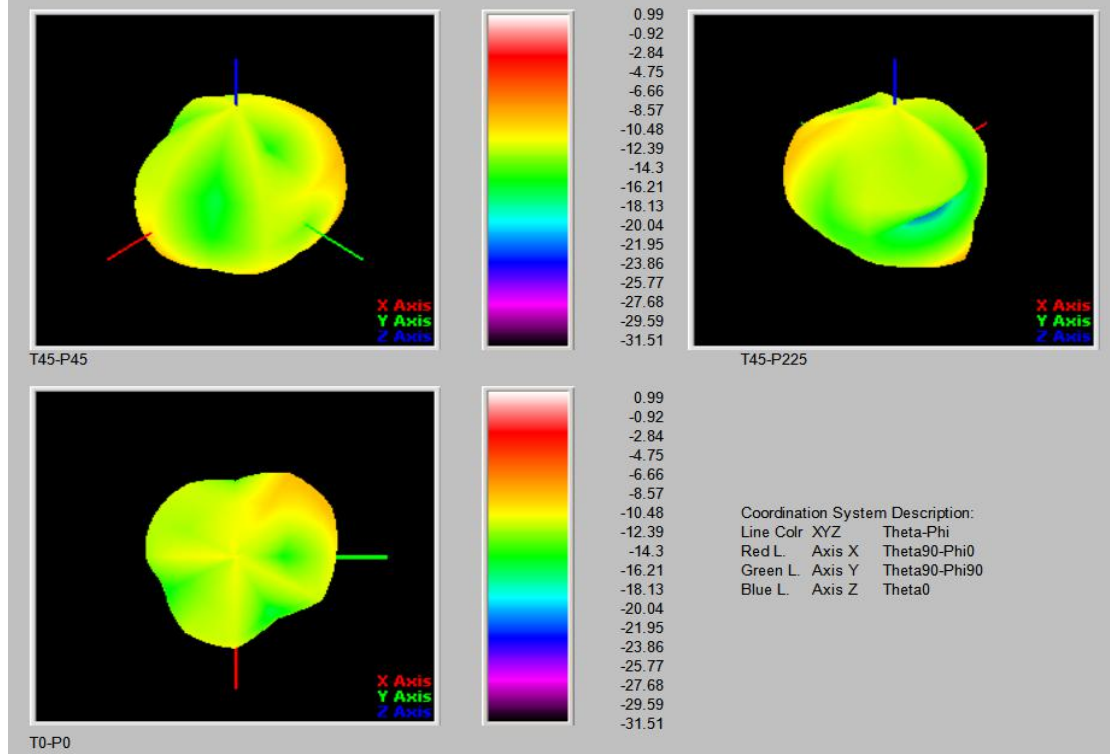
S11 Parameter-VSWR



| Frequency(MHz) | 2400 | 2450 | 2500 |
|----------------|------|------|------|
| VSWR | 1.61 | 1.25 | 1.14 |

Radiation Pattern (3D)





Efficiency

| Freq (MHz) | Gain(dBi) | Eff (dB) |
|------------|-----------|----------|
| 2400 | 0.33 | -3.99 |
| 2410 | 0.4 | -4.04 |
| 2420 | 0.28 | -4.08 |
| 2430 | 0.06 | -4.18 |
| 2440 | -0.35 | -4.24 |
| 2450 | -0.21 | -4.13 |
| 2460 | 0.09 | -4.01 |
| 2470 | 0.66 | -3.9 |
| 2480 | 0.86 | -3.84 |
| 2490 | 1.01 | -3.65 |
| 2500 | 0.99 | -3.58 |