

Antenna report

Manufacturer: Shenzhen WeizhongXin Technology Co., Ltd

Address: A415, Building 2, Huaqiang North SEG Science and Technology Park, Futian District, Shenzhen

Antenna Type: Dipole

Frequency range: 2400 - 2480 MHz

Notes for antenna installation

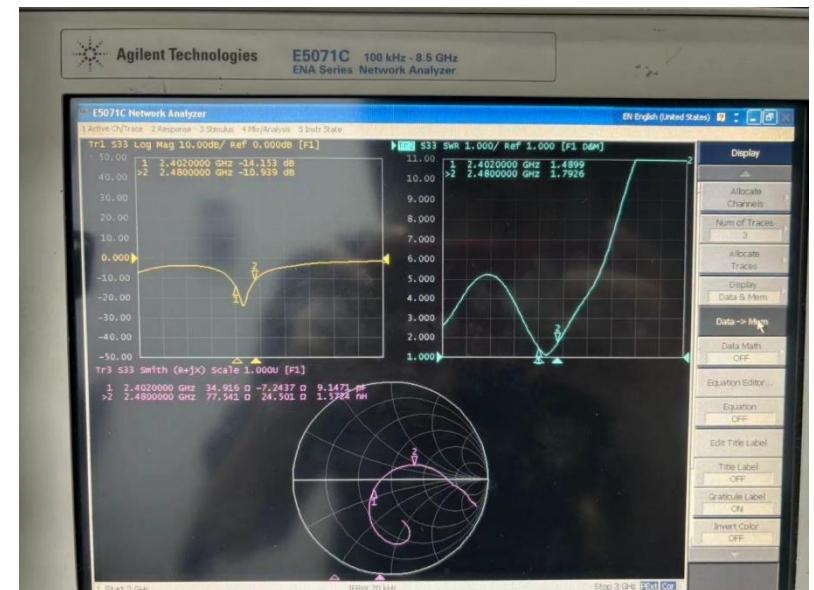


Notes for antenna installation

Electronic wire installation recommendations :

- 1: The electron line length is in the 24.60mm.
- 2: The electronic wire is installed on the side of the horn.
- 3: The end of the electronic wire is fixed with adhesive paper to make the consistency of the batch production good.

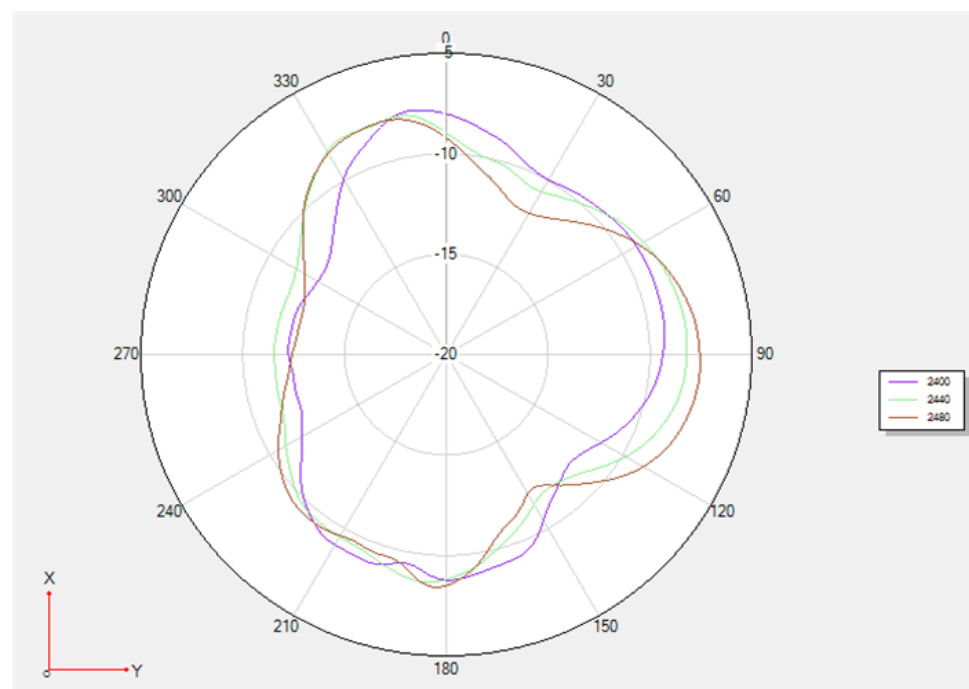
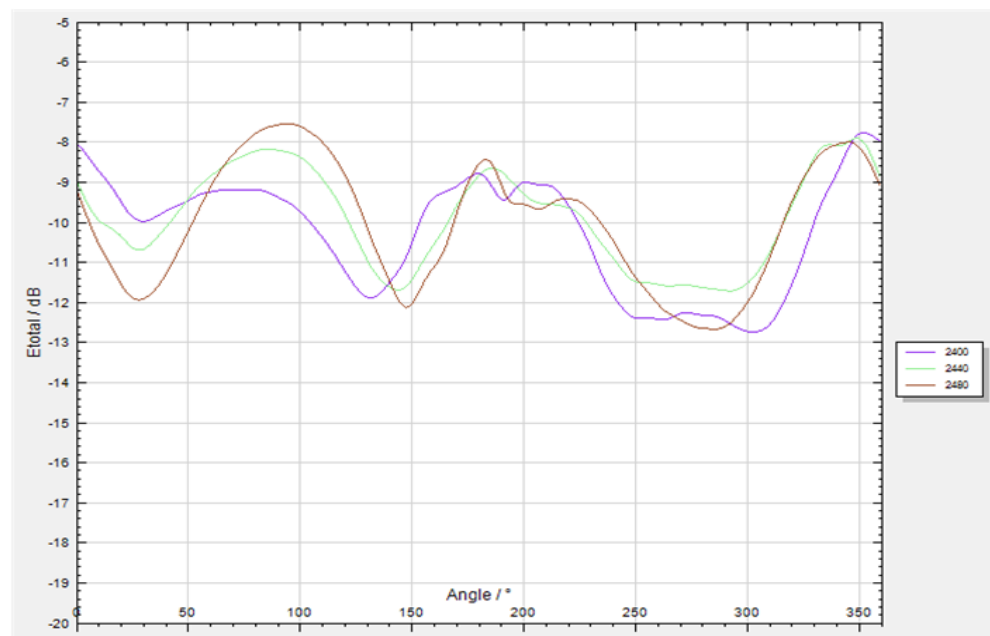
Antenna parameters



| Freq | 2.4GHz | 2.5GHz | spce |
|---------|--------|--------|------|
| VSWR | 1.48 | 1.79 | <2 |
| Log Mag | -14.15 | -10.93 | <-10 |

Antenna parameters

| Frequency/Mhz | Efficiency / % | Gain/dBi |
|---------------|----------------|----------|
| 2400 | 4.2 | -7.13 |
| 2410 | 4.21 | -7.3 |
| 2420 | 4.33 | -7.43 |
| 2430 | 4.38 | -7.69 |
| 2440 | 4.4 | -7.9 |
| 2450 | 4.66 | -7.84 |
| 2460 | 4.8 | -7.75 |
| 2470 | 5.01 | -7.56 |
| 2480 | 4.7 | -7.7 |
| 2490 | 4.65 | -7.62 |
| 2500 | 4.29 | -7.99 |



The measured distance on the roof of the building

| | | | | |
|------------------|---------------------------------------|-----------------|---|--|
| Project | T11-N | Test date | 2024.5.9 | |
| Software release | | Test location | The measured distance on the roof of the building | |
| Model | Measuring distance | Metal watchband | Non-metallic watchband | |
| IOS | Positive effective distance (≥15m) | 18 | 17 | |
| | Back effective distance (≥10m) | 10 | 6 | |
| Android | Positive effective distance (≥15m) | 18 | 18 | |
| | Back effective distance (≥10m) | 9 | 9 | |