



| | |
|---------------|-------------------|
| Product Name: | RP01 |
| Antenna Type: | PCB antenna |
| Writer: | Yinhua Zhang |
| Maximum | Gain: 2.21dBi |
| | Efficiency:32.96% |

Manufacturer:Shenzhen Rawpic Photoelectric Technology Co., Ltd

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1. General Description

| | |
|---------------|--------------|
| EUT Name | RP01 ANTENNA |
| Wireless type | BT |
| Antenna Type | PCB antenna |
| Dimensions | Appendix A |

2. Technical Information

| | |
|-----------------|-----------------------|
| Frequency Range | 2402MHz~2480MHz |
| Test Frequency | 2400,2410.....2500MHz |

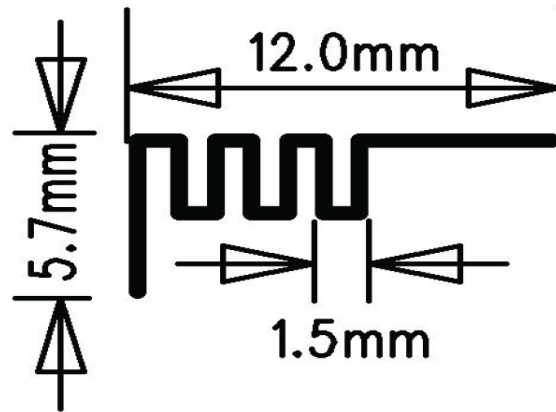
3. Test Standards

| | |
|---------------|---|
| Identity | Document Title |
| IEEE 149-1979 | IEEE Standard Test Procedures for Antennas |

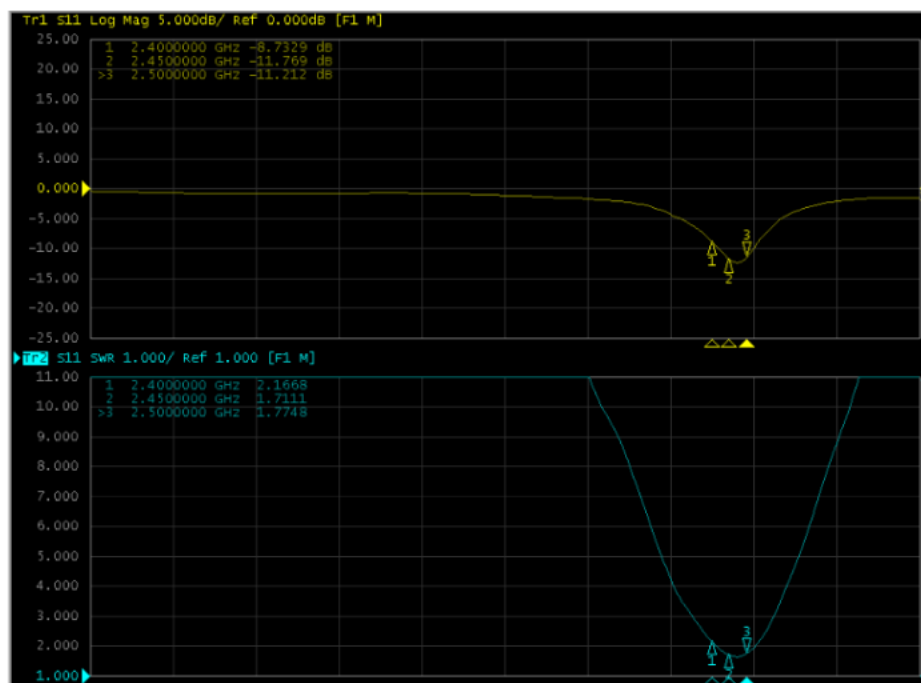
4. Test Item

| Report Section | Description |
|----------------|-------------------------------|
| Appendix B | S11/VSWR |
| Appendix C | Gain and Efficiency |
| Appendix D | Radiation Pattern (1D and 3D) |

Appendix A Antenna Dimension



Appendix B S11/VSWR



| | | | |
|-----------------|-------|--------|--------|
| Frequency (MHz) | 2400 | 2450 | 2500 |
| Return Loss | -8.73 | -11.76 | -11.21 |
| VSWR | 2.16 | 1.71 | 1.77 |

Appendix C Gain and Efficiency

| Frequency (MHz) | Efficiency(%) | Gain (dBi) |
|-----------------|---------------|------------|
| 2400 | 32.36% | 2.11 |
| 2410 | 32.3% | 2.18 |
| 2420 | 32.1% | 2.21 |
| 2430 | 32.4% | 2.06 |
| 2440 | 32.9% | 2.07 |
| 2450 | 30.9% | 1.91 |
| 2460 | 30.8% | 2.04 |
| 2470 | 30.7% | 2.09 |
| 2480 | 31.6% | 1.98 |
| 2490 | 30.6% | 1.91 |
| 2500 | 30.5% | 1.03 |

Appendix D Radiation Pattern(1D and 3D)

