

PRODUCT SPECIFICATION

Customer: Actions Microelectronics Co.,Ltd.

Customer's part number: RBT-WIFI-524-004-D-L

Product description: 2.4G/5G Dual Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

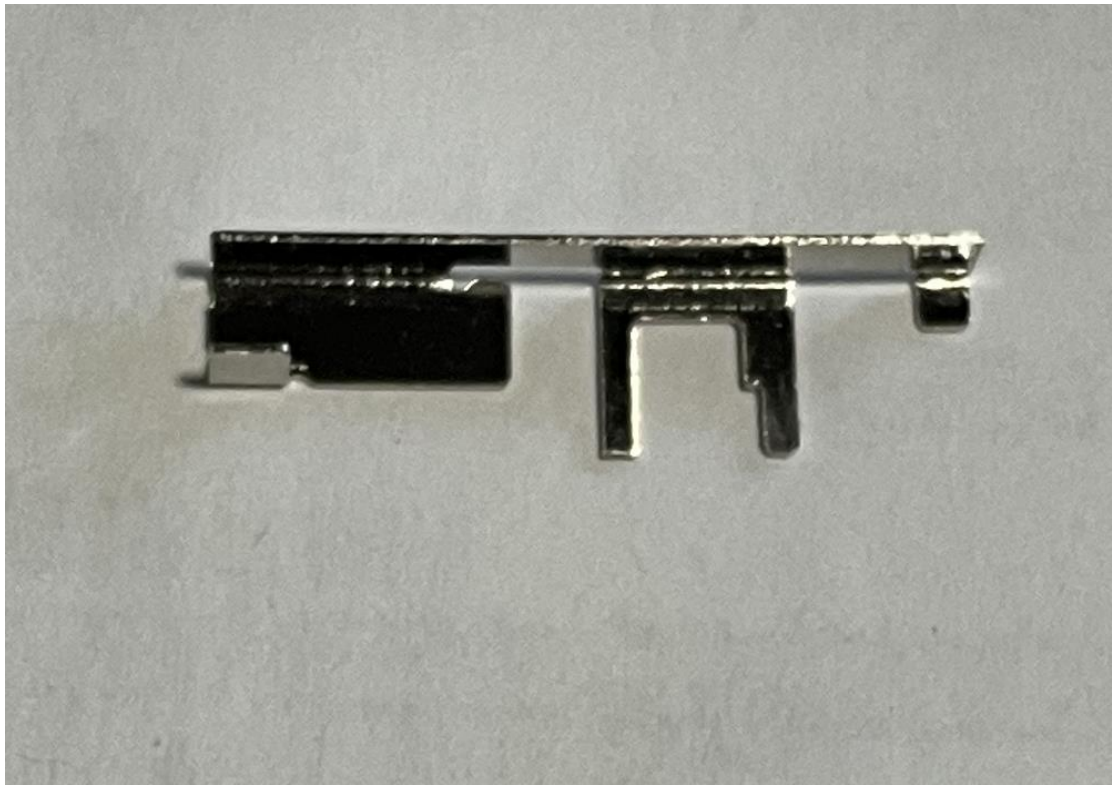
1、 (PRODUCT TECHNICAL SPECIFICATION)

| Electrical Specifications | |
|------------------------------|--|
| Frequency Range (MHz) | 2400-2500/5150-5850 |
| Bandwidth (MHz) | 2.4G: 100 5G: 700 |
| Input Impedence (Ω) | 50 |
| V.S.W.R | ≤ 2.0 |
| Gain (dBi) | 2.4G: <3.04 5.1G: <2.22 5.8G: <2.12 |
| Polarization Type | Vertical |
| Mechanical Specifications | |
| Antenna Length (mm) | 21.5*3.5*4.5mm |
| Radiator | Steel |
| Connect Type | DIP |
| Radome Color | Silver |
| Weight (g) | 0.5 |

Product introduction :

The antenna is specially designed and produced for wireless built-in antenna equipment. The antenna has the advantages of beautiful appearance, compact structure and convenient installation. The material is nickel-plated stainless steel with sufficient hardness.

2、PRODUCT PICTURE

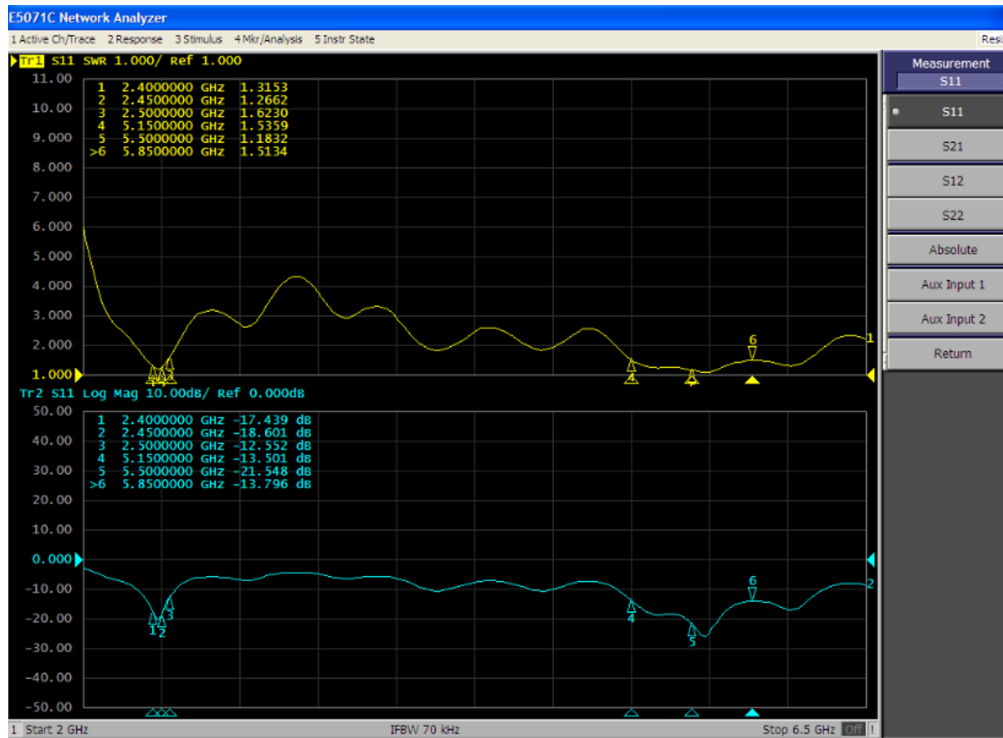


3、PRODUCT SPECIFICATION CHART

| | | | | | | | | | | | |
|----|----|-------|----|---|----|----|----|----|------|-----|---|
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| 标记 | 处数 | 更改文件号 | 签 | 字 | 日期 | | | | | | |
| 设计 | | | 标准 | 化 | | 阶段 | 标记 | 数量 | 重量 | 比例 | |
| 绘图 | | | 审 | 核 | | | | 2 | 0.01 | 1:1 | |
| 校对 | | | 批 | 准 | | | | | | | |
| 工艺 | | | 打 | 印 | | 共 | 1 | 张 | 第 | 1 | 张 |

| | |
|---|---|
| 签 | 字 |
| 日 | 期 |

4、STATIONARY WAVE PATTERN

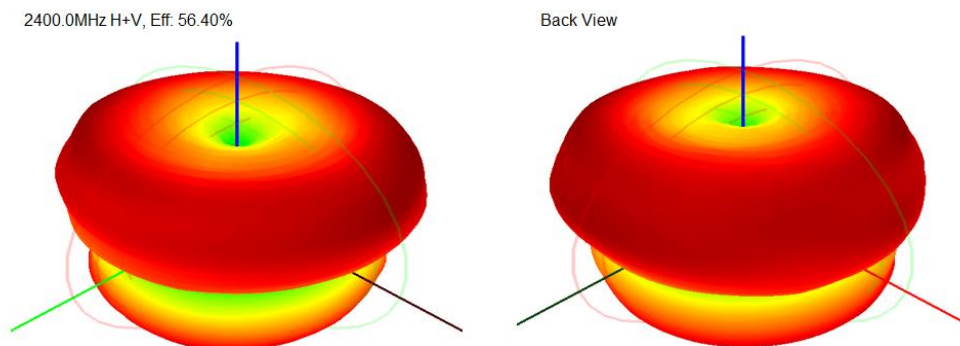


5. Gain and Efficiency:

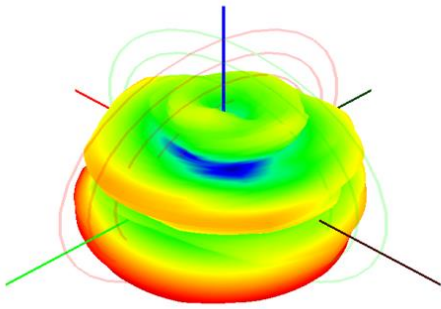
| Frequency ID | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz) | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 |
| Gain (dBi) | 3.04 | 2.08 | 2.18 | 2.16 | 2.08 | 1.97 | 2.23 | 2.20 | 2.30 | 1.95 | 2.01 |
| Efficiency (%) | 56.40 | 61.23 | 54.23 | 56.21 | 49.45 | 57.12 | 56.43 | 51.78 | 57.23 | 52.02 | 48.54 |

| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5150.0 | 5200.0 | 5250.0 | 5300.0 | 5350.0 | 5400.0 | 5450.0 | 5500.0 | 5550.0 | 5600.0 | 5650.0 | 5700.0 | 5750.0 | 5800.0 | 5850.0 |
| 2.01 | 1.93 | 2.22 | 1.56 | 1.23 | 1.45 | 1.32 | 1.87 | 1.67 | 2.01 | 2.12 | 1.98 | 1.78 | 2.08 | 2.12 |
| 48.20 | 49.10 | 52.10 | 49.67 | 49.21 | 36.56 | 52.11 | 48.76 | 45.65 | 39.23 | 45.62 | 48.76 | 51.22 | 49.12 | 45.78 |

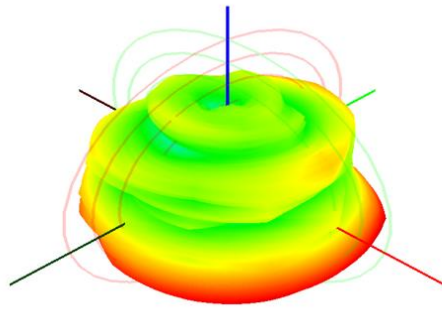
6. Field Pattern:



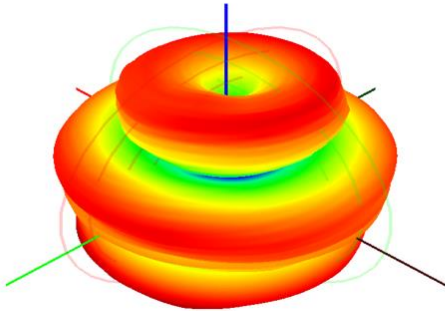
5350.0MHz H+V, Eff. 49.21%



Back View



5700.0MHz H+V, Eff. 48.76%



Back View

