



## Product Specification

P/N: 366W0831

REV.: X1

Date: 2025/06/23

Protocol: Xue

深圳物连通信技术有限公司  
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Zone, Tianliao Community, Yutang Subdistrict,  
Guangming District, Shenzhen)

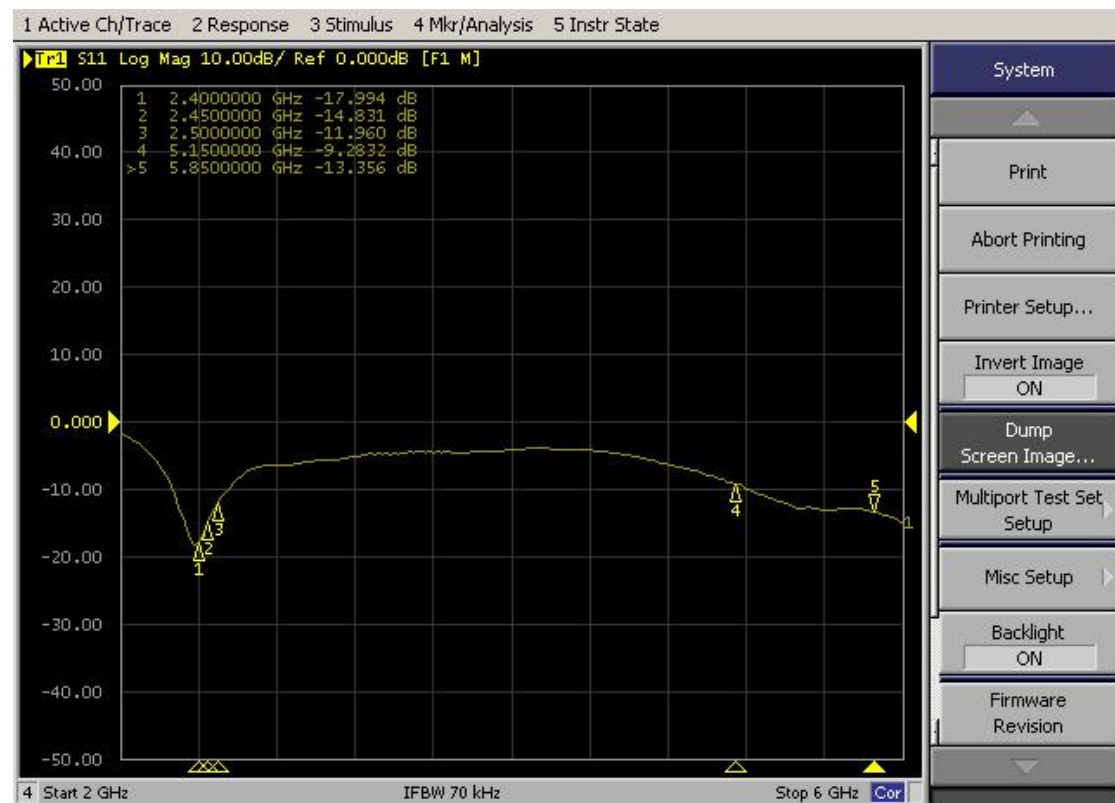
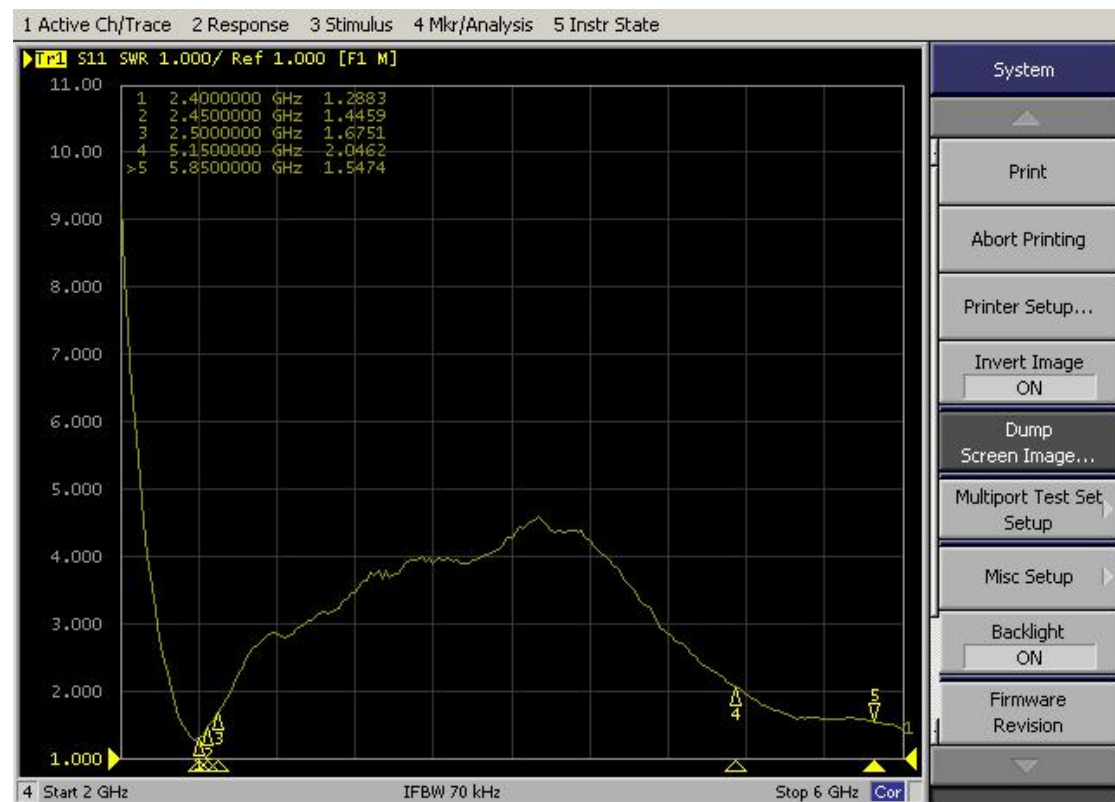
## Antenna Specification



2.4/5.8G 胶杆天线 黑色 TO SMA-J 镀镍 OD10\*83.5mm 小胶棒(可弯折)

| Item              | Specification                        | Comment |
|-------------------|--------------------------------------|---------|
| Impedance         | 50Ω                                  |         |
| Test Condition    | Passive test                         |         |
| Freq. Range       | 2400-2500MHz/5150-5850MHz            |         |
| Antenna Type      | Rob Antenna                          |         |
| Peak Gain         | 2.71dBi                              |         |
| VSWR              | 2400-2500MHz≤2.0<br>5150-5850MHz≤2.5 |         |
| Polarization Type | Vertical                             |         |
| Radiation Type    | Omnidirectional                      |         |
| Connector Type    | SMA-J                                |         |
| RF Cable Type     | N/A                                  |         |
| Dimension         | OD10*83.5mm                          |         |
| Operating Temp    | -30℃ ~ +75℃                          |         |
| Storage Temp      | -30℃ ~ +75℃                          |         |

# 1.SWR/驻波图

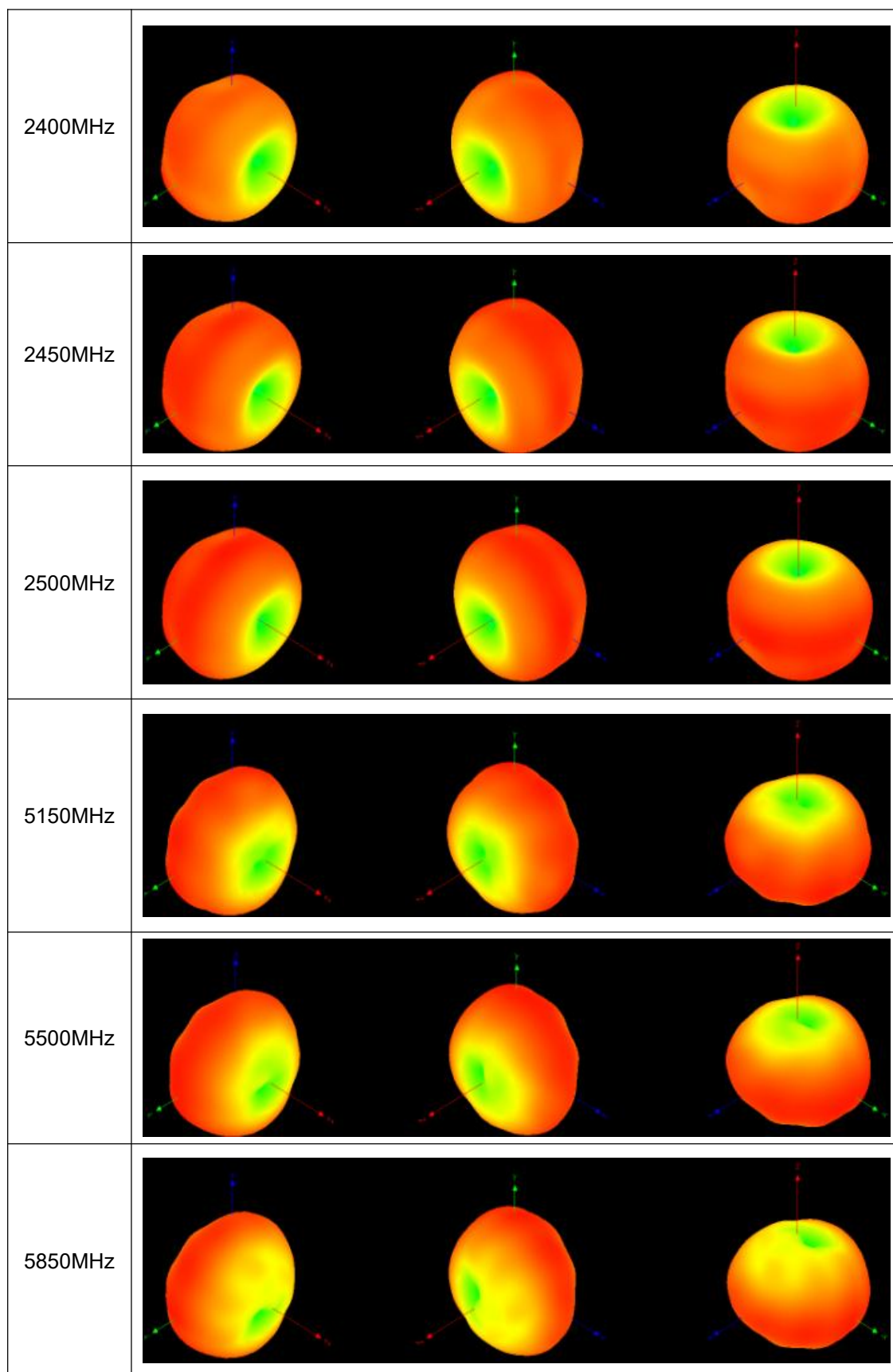


## 2. Efficiency/ Gain Test 效率测试

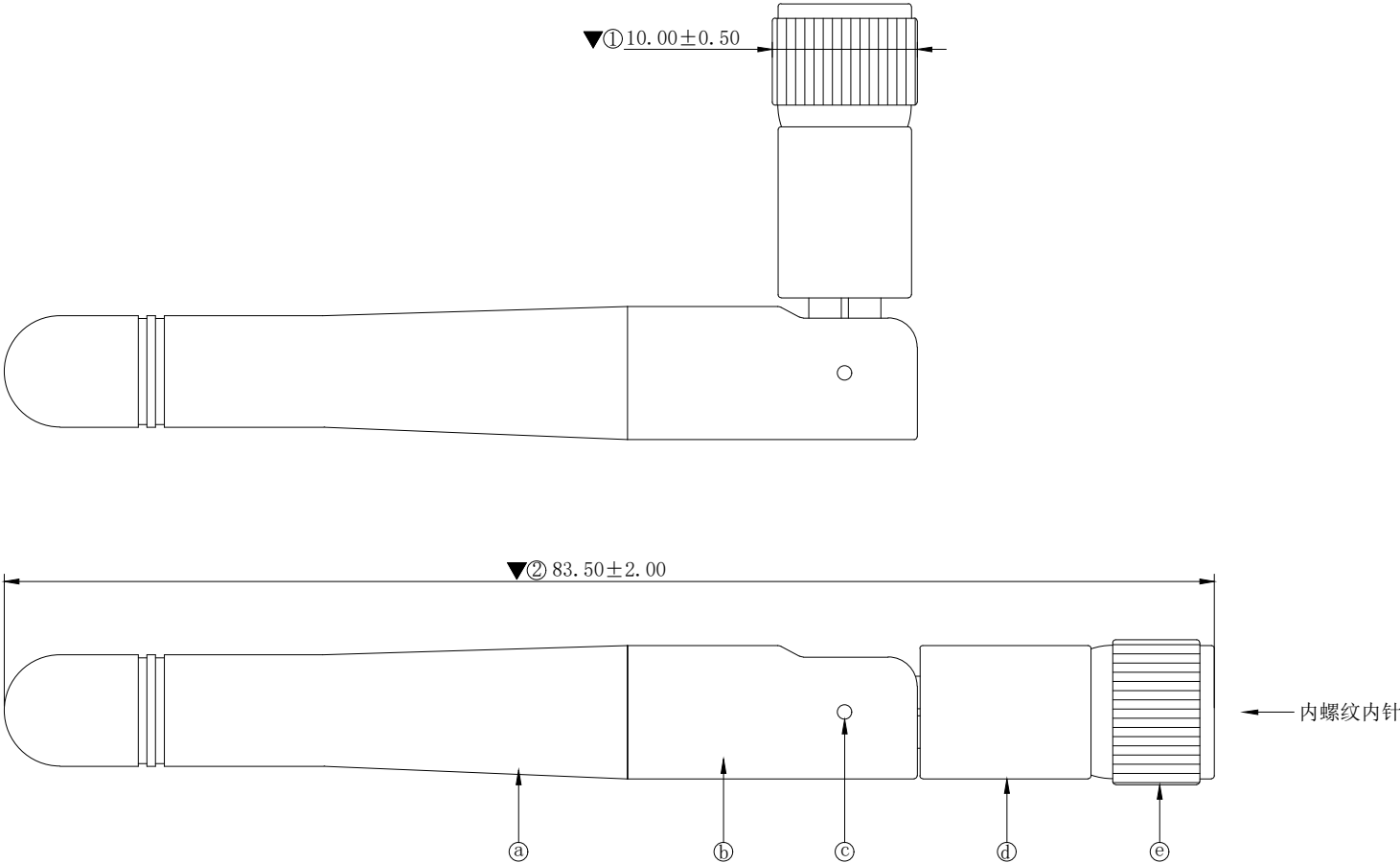
| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 2400       | 67.90    | 2.71       |
| 2410       | 63.10    | 2.33       |
| 2420       | 64.99    | 2.45       |
| 2430       | 62.91    | 2.04       |
| 2440       | 63.10    | 2.10       |
| 2450       | 66.14    | 1.81       |
| 2460       | 61.25    | 1.77       |
| 2470       | 64.04    | 1.84       |
| 2480       | 63.66    | 1.71       |
| 2490       | 64.79    | 1.81       |
| 2500       | 64.79    | 1.86       |
| AVG        | 64.24    | 2.04       |

| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 5150       | 51.02    | 2.38       |
| 5200       | 48.37    | 2.11       |
| 5250       | 47.92    | 1.89       |
| 5300       | 51.50    | 2.27       |
| 5350       | 52.63    | 2.39       |
| 5400       | 48.07    | 2.17       |
| 5450       | 50.08    | 2.09       |
| 5500       | 51.66    | 2.02       |
| 5550       | 49.76    | 1.91       |
| 5600       | 48.99    | 1.80       |
| 5650       | 47.92    | 1.49       |
| 5700       | 53.61    | 2.15       |
| 5750       | 48.83    | 2.10       |
| 5800       | 49.76    | 2.21       |
| 5850       | 50.71    | 2.01       |
| AVG        | 50.06    | 2.07       |

### 3. Radiation Pattern/辐射方向图



| REV. | ECN NUMBER | DESCRIPTION   | DATE      |
|------|------------|---------------|-----------|
| A    | ECN        | FIRST RELEASE | 06/23' 25 |



- NOTES:
- 1. NO DIRTY, SCRATCHED, DEFORMED, DAMAGED
  - 2. 100% VSWR TEST
  - 3. FREQUENCY RANGE:2400~2500MHz;5150~5850MHz  
VSWR≤2.5
  - 4. ▼CRITICAL DIMENSION
  - 5. ALL MATERIALS ARE IN COMPLIANCE WITH ROHS COMPLIANT

|      |           |      |        |                          |
|------|-----------|------|--------|--------------------------|
| e    | 接头        | 1    |        | 小SMA外塑(黑色)内牙镍 公针         |
| d    | 下固        | 1    |        | 2dBi下固接头(黑)PC+PBT        |
| c    | 铆钉        | 2    |        | 2dBi 铆钉(黑) POM           |
| b    | 上固        | 1    |        | 2dBi上固(黑)PC+PBT          |
| a    | 胶杆        | 1    |        | 2dBi胶杆OD9.5*H43mm(黑)TPEE |
| ITEM | PART NAME | Q'TY | PART # | MATERIAL / FINISH        |

|                                                                                       |    |                                                                                       |  |                 |               |
|---------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------|--|-----------------|---------------|
|  |    | DRAWN: TOM                                                                            |  | DATE: 06/23' 25 |               |
|                                                                                       |    | CHECK:                                                                                |  | DATE:           |               |
|                                                                                       |    | APPROVE:                                                                              |  | DATE:           |               |
|                                                                                       |    | PROJECT NAME: WIFI胶杆天线                                                                |  |                 |               |
| GENERAL TOLERANCE<br>.X± 0.30 ± 1°<br>.XX± 0.15<br>.XXX± 0.15                         |    | PART NO: 366W0831                                                                     |  |                 |               |
|                                                                                       |    | TITLE:<br><br>2.4/5.8G 胶杆天线 黑色 TO SMA-J<br>镀镍 OD10*83.5mm 小胶棒(可弯折)                    |  |                 | REV.<br>A     |
|                                                                                       |    |                                                                                       |  |                 | SHEET:<br>1/1 |
| SCALE: 1:1                                                                            |    |                                                                                       |  |                 |               |
| UNIT: mm                                                                              |    |                                                                                       |  |                 |               |
| SIZE:                                                                                 | A4 |  |  |                 |               |