



## Product Specification

P/N: 366W0026

REV.: X1

Data: 2019/05/27

Protocol: Tom

## Antenna Specification



| Item              | Specification                        | Comment |
|-------------------|--------------------------------------|---------|
| Impedance         | 50Ω                                  |         |
| Test Condition    | Passive Test                         |         |
| Freq. Range       | 2400-2500MHz 5150-5850MHz            |         |
| Antenna Type      | Rod Antenna                          |         |
| Peak Gain         | 3.3dBi                               |         |
| VSWR              | 2400-2500MHz≤2.0<br>5150-5850MHz≤2.0 |         |
| Polarization Type | Vertical                             |         |
| Radiation Type    | Omnidirectional                      |         |
| Connector Type    | RP-SMA-J                             |         |
| RF Cable Type     | N/A                                  |         |
| Dimension         | OD13*195mm                           |         |
| Operating Temp    | -40℃ ~ +85℃                          |         |
| Storage Temp      | -40℃ ~ +85℃                          |         |

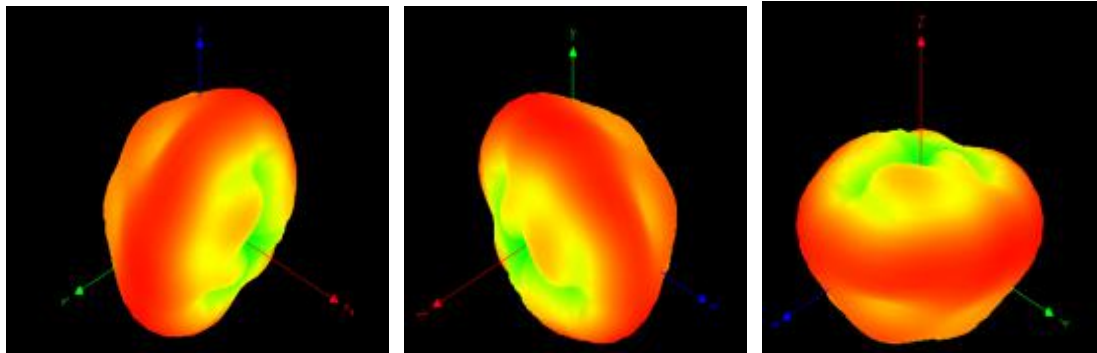
## 1.Efficiency/ Gain Test 效率测试

| Efficiency / Gain Test |             |               |
|------------------------|-------------|---------------|
| Freq<br>(MHz)          | Effi<br>(%) | Gain<br>(dBi) |
| 2400MHz                | 52%         | 1.73          |
| 2410MHz                | 52%         | 1.73          |
| 2420MHz                | 54%         | 1.94          |
| 2430MHz                | 54%         | 2.07          |
| 2440MHz                | 54%         | 1.95          |
| 2450MHz                | 55%         | 1.97          |
| 2460MHz                | 54%         | 2.05          |
| 2470MHz                | 54%         | 2.27          |
| 2480MHz                | 54%         | 2.49          |
| 2490MHz                | 54%         | 2.58          |
| 2500MHz                | 52%         | 2.52          |

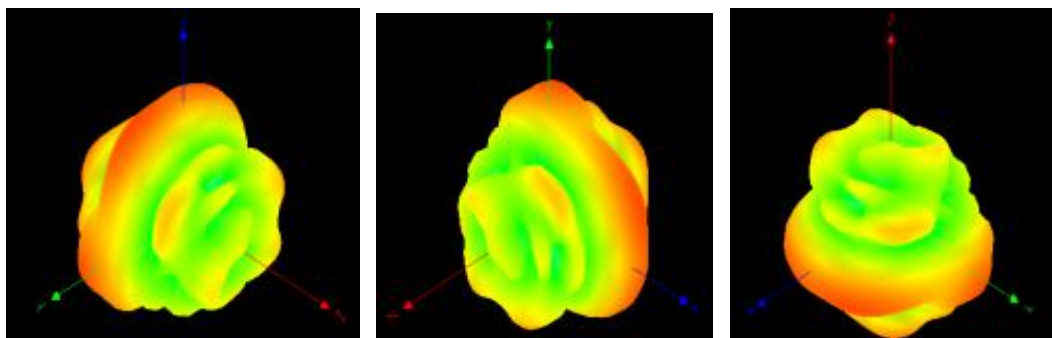
| Efficiency / Gain Test |          |            |
|------------------------|----------|------------|
| Freq (MHz)             | Effi (%) | Gain (dBi) |
| 5150MHz                | 34%      | 0.34       |
| 5170MHz                | 35%      | 0.34       |
| 5190MHz                | 37%      | 0.58       |
| 5210MHz                | 37%      | 0.57       |
| 5230MHz                | 37%      | 0.55       |
| 5250MHz                | 37%      | 0.72       |
| 5270MHz                | 35%      | 0.84       |
| 5290MHz                | 37%      | 1.52       |
| 5310MHz                | 38%      | 2.21       |
| 5330MHz                | 37%      | 2.52       |
| 5350MHz                | 37%      | 2.71       |
| 5370MHz                | 39%      | 3.19       |
| 5390MHz                | 40%      | 3.32       |
| 5410MHz                | 41%      | 3.1        |
| 5430MHz                | 38%      | 2.28       |
| 5450MHz                | 34%      | 1.64       |
| 5470MHz                | 33%      | 1.23       |
| 5490MHz                | 31%      | 0.65       |
| 5510MHz                | 31%      | 0.37       |
| 5530MHz                | 34%      | 0.51       |
| 5550MHz                | 37%      | 0.59       |
| 5570MHz                | 38%      | 0.92       |
| 5590MHz                | 40%      | 1.24       |
| 5610MHz                | 40%      | 1.19       |
| 5630MHz                | 42%      | 0.98       |
| 5650MHz                | 41%      | 0.74       |
| 5670MHz                | 39%      | 0.57       |
| 5690MHz                | 41%      | 0.8        |
| 5710MHz                | 44%      | 1.28       |
| 5730MHz                | 46%      | 1.7        |
| 5750MHz                | 46%      | 1.82       |
| 5770MHz                | 46%      | 2.21       |
| 5790MHz                | 44%      | 1.97       |
| 5810MHz                | 45%      | 2.06       |
| 5830MHz                | 47%      | 2.05       |
| 5850MHz                | 46%      | 1.65       |

## 2. Radiation Pattern/辐射方向图

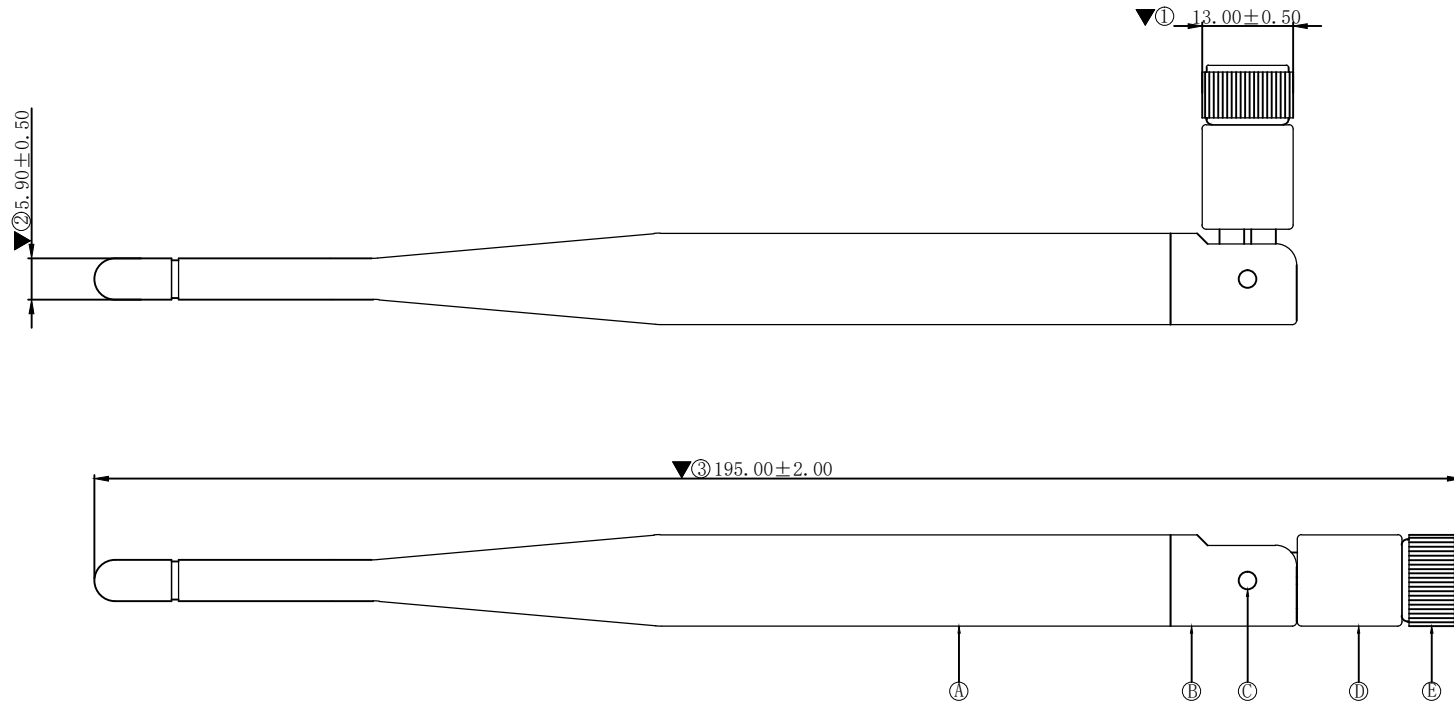
2450MHz 方向图



5350MHz 反向图



| REV. | ECN NUMBER | DESCRIPTION   | DATE      |
|------|------------|---------------|-----------|
| X1   |            | FIRST RELEASE | 05/27' 19 |



NOTES:

1. THE SURFACE OF THE PRODUCT IS NOT DIRTY, SCRATCHED, DEFORMED, DAMAGED, ETC. .
2. 100% VSWR TEST
3. FREQUENCY RANGE: 2400-2500MHz; 5150-5850MHz  
VSWR: 2400-2500MHz ≤ 2.0  
5150-5850MHz ≤ 2.0
4. ▼ CRITICAL DIMENSION
5. ALL MATERIALS ARE IN COMPLIANCE WITH ROHS COMPLIANT

| E    | CONNECTOR | 1     |        | RP-SMA-J, NICKEL PLATED BRASS |
|------|-----------|-------|--------|-------------------------------|
| D    | BASE 2    | 1     |        | ABS, BLACK                    |
| C    | RIVET     | 1     |        | POM, BLACK                    |
| B    | BASE 1    | 1     |        | ABS, BLACK                    |
| A    | SHELL     | 1     |        | TPE, BLACK                    |
| ITEM | PART NAME | Q' TY | PART # | MATERIAL / FINISH             |



GENERAL TOLERANCE

. X ± 0.30 ± 1°

. XX ± 0.15

. XXX ± 0.15

SCALE: 1:1

UNIT: mm

SIZE: A4



|                                                                |                 |
|----------------------------------------------------------------|-----------------|
| DRAWN: Tom                                                     | DATE: 05/27' 19 |
| CHECK:                                                         | DATE:           |
| APPROVE:                                                       | DATE:           |
| PROJECT NAME: 双频WIFI天线                                         |                 |
| PART NO: 366W00026                                             |                 |
| TITLE: 2.4/5.8G 3dBi胶杆天线 黑色 TO RP-SMA-J 镀镍 OD13*195mm 胶棒 (可弯折) |                 |
| REV. X1                                                        | SHEET: 1/1      |