

# 承认书

## SPECIFICATION FOR APPROVAL

客户名称 (CUSTOMER NAME): 信泰

客户料号 (CUSTOMER NAME): CR5020606U9

产品名称 (PART NO.) : S2B4BC3F1B04000

送样日期 (SEND DATE.) :

新品承认 (Newly Approved) :

环保要求:

RoHS: ☐不要求 ☒符合 ROHS ☐其他 :

REACH: ☐不要求 ☒符合 REACH ☐其他 :

卤素限制: ☐不要求 ☐其他 :

出厂签章:

| RD/研发部 | ED/工程部 | QA/品质部 | SD/销售部 | APPROVED/批准 |
|--------|--------|--------|--------|-------------|
|        |        |        |        |             |

承认签章:

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|--------|--------|--------|--------|-------------|
|        |        |        |        |             |

注: 此承认书一式三份按照左至右顺序签署。

敬请确认此承认书所有项目, 并签名和盖章后回签一份给我司。以作我司产品制作和存档之用, 多谢合作。

|                   |                   |                                                                                                     |                                                                                                                                                            |
|-------------------|-------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scale :           | Unit: mm          | Tolerances (Unless<br>otherwise specified)<br>X : $\pm 1$ X.X : $\pm$<br>0.1      X.XX : $\pm 0.01$ | 深圳市福伯特电子有限公司<br>Shenzhen Fbetter Electronic Co.,Ltd<br><br>ADD: Introduction Building 6F, Xinan<br>Street 71, Baoan District,Shenzhen,<br>Guangdong, China |
| Drawn By : Chris  | Checked By : Nick |                                                                                                     |                                                                                                                                                            |
| Designed By :Cary | Approved By :Hank |                                                                                                     |                                                                                                                                                            |

# WIFI FPCB Antenna (DC338)

## 1. Explanation of Product Number

|     |   |   |   |   |     |   |     |     |   |     |   |   |   |   |
|-----|---|---|---|---|-----|---|-----|-----|---|-----|---|---|---|---|
| S   | 2 | B | 4 | B | C   | 3 | F   | 1   | B | 0   | 4 | 0 | 0 | 0 |
| (1) |   |   |   |   | (2) |   | (3) | (4) |   | (5) |   |   |   |   |

| | | | |



|                   |                   |                                                                                                                        |                                                                                                                                                      |
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| Drawn By : Chris  | Checked By : Nick |                                                                                                                        |                                                                                                                                                      |
| Designed By :Cary | Approved By :Hank |                                                                                                                        |                                                                                                                                                      |

## Product Description:

(1) Product Categories:

B4: WIFI Antenna

(2) Antenna type:

FPC + Cable

(3) Dimensions:

C3: 32x12\*0.23(mm)

(4) Material:

F: FPC 线长 62.3mm

(5) Working Frequencies:

1B: 2.4G-2.5G

(6) Antenna Series:

01: Serial number

(7) RF Cable Loss / 引出射频线的线损 0.5(dB)

## 2. Features

\*Stable and reliable in performances

\*RoHS compliance

\*Low cost

## 3. Applications

\*WIFI IEEE802.11

## 4. Description

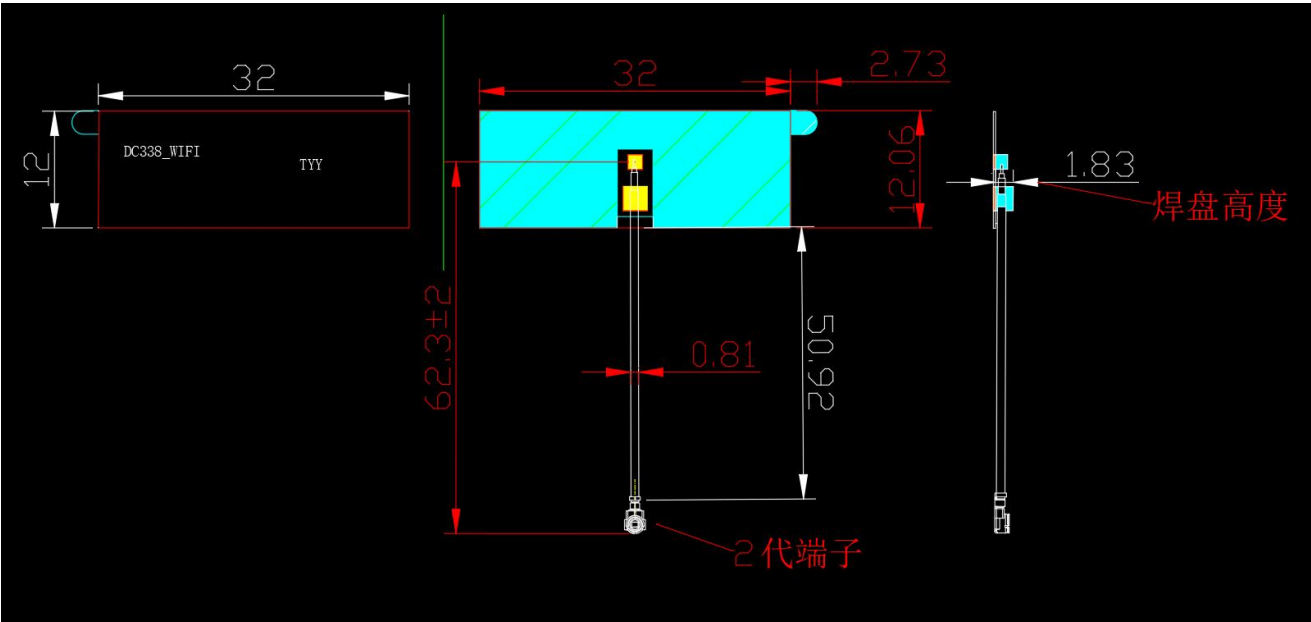
\* Unictron's FPCB antenna series are specially designed for 2.4G-2.5G band application. Based on Unictron's proprietary designs and processes, this FPCB antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

|                   |                   |                                                                                                                  |                                                                                                                                                              |
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| Drawn By : Chris  | Checked By : Nick |                                                                                                                  |                                                                                                                                                              |
| Designed By :Cary | Approved By :Hank |                                                                                                                  |                                                                                                                                                              |

5. Antenna Electrical Specifications :

| Characteristics    | Specifications           |          |         | Unit    |
|--------------------|--------------------------|----------|---------|---------|
| Outline Dimensions | 32x12X0.23(mm)           |          |         | mm      |
| Frequency          | 2400~2500                |          |         | MHz     |
| Impedance          | 50                       |          |         | Ω       |
| Polarization       | Linear Polarization      |          |         |         |
| Return Loss Table  | Return Loss              |          |         |         |
| Freq.Band          | 2.4G Hz                  | 2.45G Hz | 2.5G Hz |         |
| dB                 | -16.98                   | -29.81   | -17.34  |         |
| VSWR Table         | VSWR                     |          |         |         |
| Freq.Band          | 2.4G Hz                  | 2.45G Hz | 2.5G Hz |         |
|                    | 1.32                     | 1.08     | 1.29    |         |
| GAIN Table         | Total Gain = Xpol + Ppol |          |         |         |
| Freq.Band          | 2400MHz                  | 2450MHz  | 2485MHz | 2500MHz |
| Peak Gain(dBi)     | -1.64                    | -0.98    | -2.08   |         |
|                    |                          |          |         |         |

. Dimensions (unit: mm)

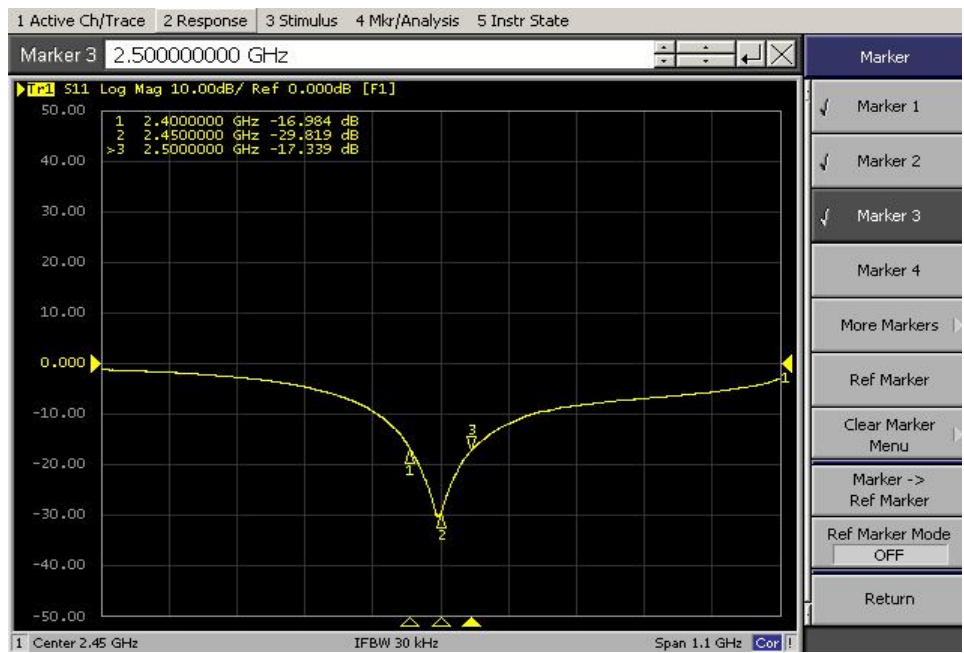


Unit:mm  
未标示公差:±0.2

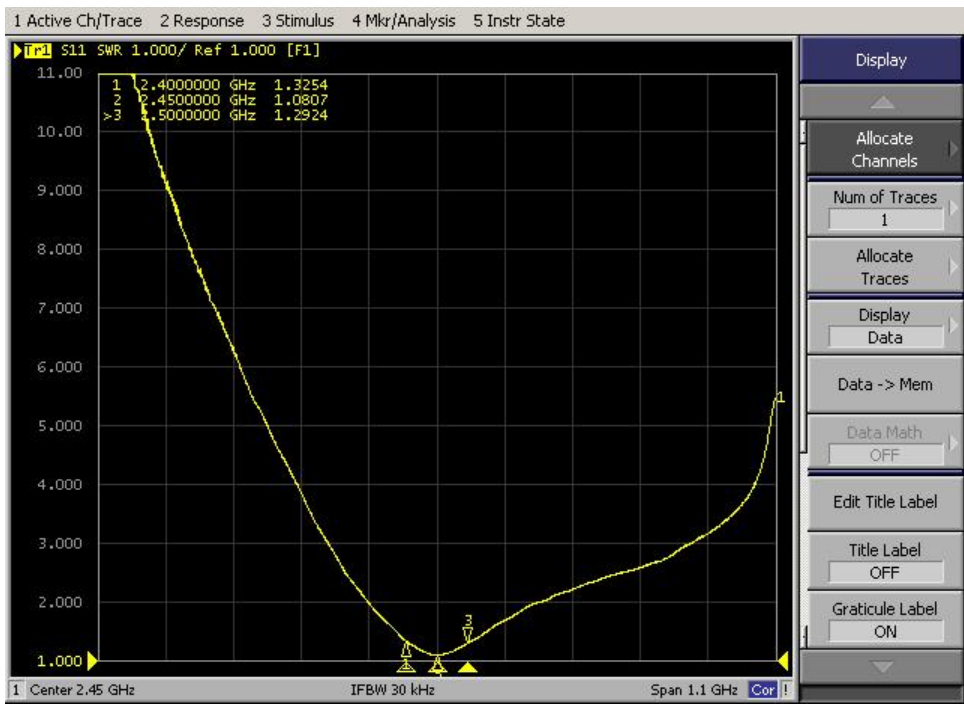
|                   |                   |                                                                                      |                                                                                                                                                      |
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| Drawn By : Chris  | Checked By : Nick |                                                                                      |                                                                                                                                                      |
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## 7. Measurement Characteristics:

### (1) Return Loss

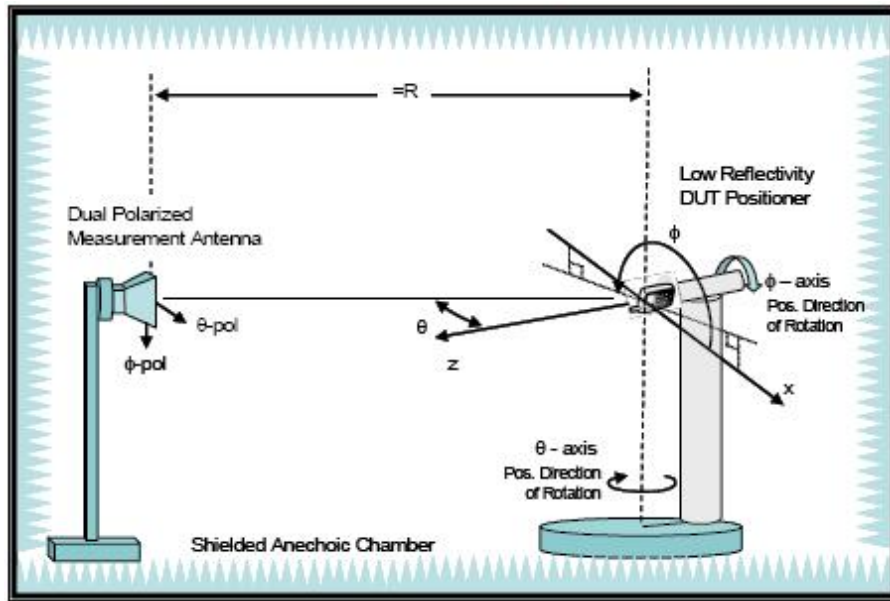


### (2) VSWR



|                   |                   |                                                                                             |                                                                                                                                                       |
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| Drawn By : Chris  | Checked By : Nick |                                                                                             |                                                                                                                                                       |
| Designed By :Cary | Approved By :Hank |                                                                                             |                                                                                                                                                       |

## 8. Three D Radiation Pattern measurement



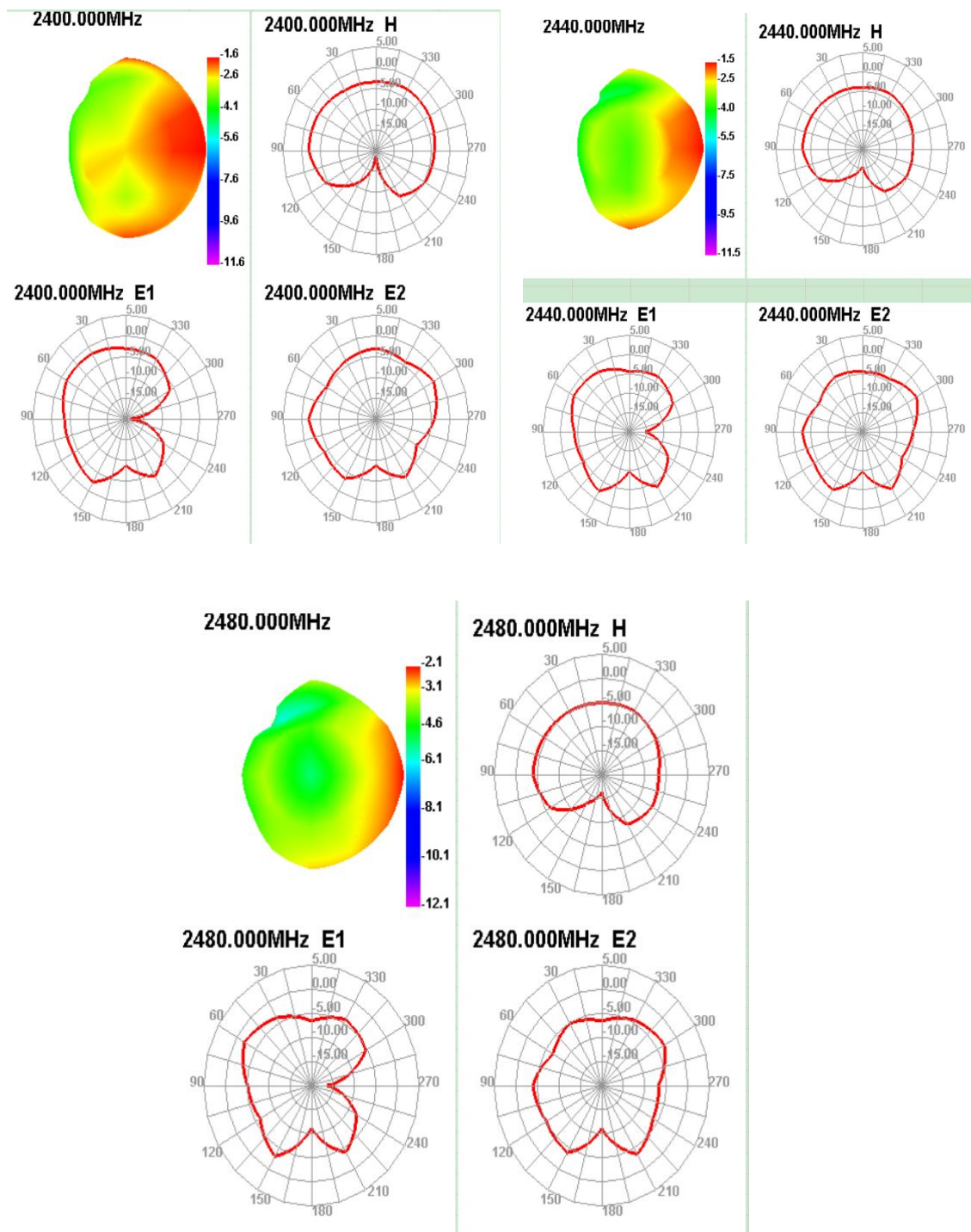
### Passive Test For

| Freq  | Effi  | Effi  | Gain  |
|-------|-------|-------|-------|
| (MHz) | (%)   | (dB)  | (dBi) |
| 2400  | 39.15 | -4.07 | -1.64 |
| 2410  | 40.15 | -3.65 | -1.2  |
| 2420  | 38.67 | -4.13 | -1.67 |
| 2430  | 39.88 | -3.99 | -1.46 |
| 2440  | 38.84 | -4.11 | -1.47 |
| 2450  | 41.99 | -3.77 | -0.98 |
| 2460  | 38.88 | -4.83 | -1.9  |
| 2470  | 37.69 | -4.24 | -1.19 |
| 2480  | 36.15 | -5.07 | -2.08 |

|                   |                   |                                                                                                                                                        |                                                                                                                                                              |
|-------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
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9.Radiation Pattern

9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)



9-2.2D Gain complete machine (Radiation Pattern at 2450 MHz)

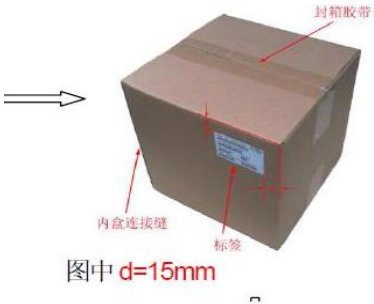
|                   |                   |                                                                                            |                                                                                                                                                      |
|-------------------|-------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
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## 10.Revision Control:

| Revision | Date       | Content     | Remark |
|----------|------------|-------------|--------|
| A        | 30.12.2021 | New Issued. | N/A    |

包装图 ( 填写说明 : 所插入的图片须清晰可见 )

1.包装照片 ( 图片 ) :

|                                                                                                         |                                                                                                         |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <p>1、单个物料照片或者图片</p>   |  <p>单包 120PCS 一包</p> |
| <p>3、外包装的照片或者图片</p>  |                                                                                                         |

|                    |                    |                                                                                                    |                                                                                                                                                              |
|--------------------|--------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
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