

FN-LINK TECHNOLOGY Ltd.

# 承认书

# Acknowledgment Letter

**CUSTOMER APPROVED BY**

Approved by

Checked by

Prepared by

**SUPPLIER APPROVED BY**

Approved by

Checked by

Prepared by

Supplier Name: FN-LINK TECHNOLOGY Ltd.

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website: www.fn-link.com

## antenna testing

|                   |                               |
|-------------------|-------------------------------|
| Customer          |                               |
| Project Name      | C436HD                        |
| Customer NO.      |                               |
| specification     | DSH5310-2. 4G-5. 8G FPC K62mm |
| Supplier NO.      |                               |
| Specification NO. |                               |
| Write by          | Pan Yilin                     |
| REV.              | Ver.1                         |
| Date              | 2024-4-22                     |
| Note              |                               |

| Version change log |                |         |               |             |
|--------------------|----------------|---------|---------------|-------------|
| Change date        | Change content | version | Change person | Approved by |
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## 1. Recognition Letter Project Table (Index)

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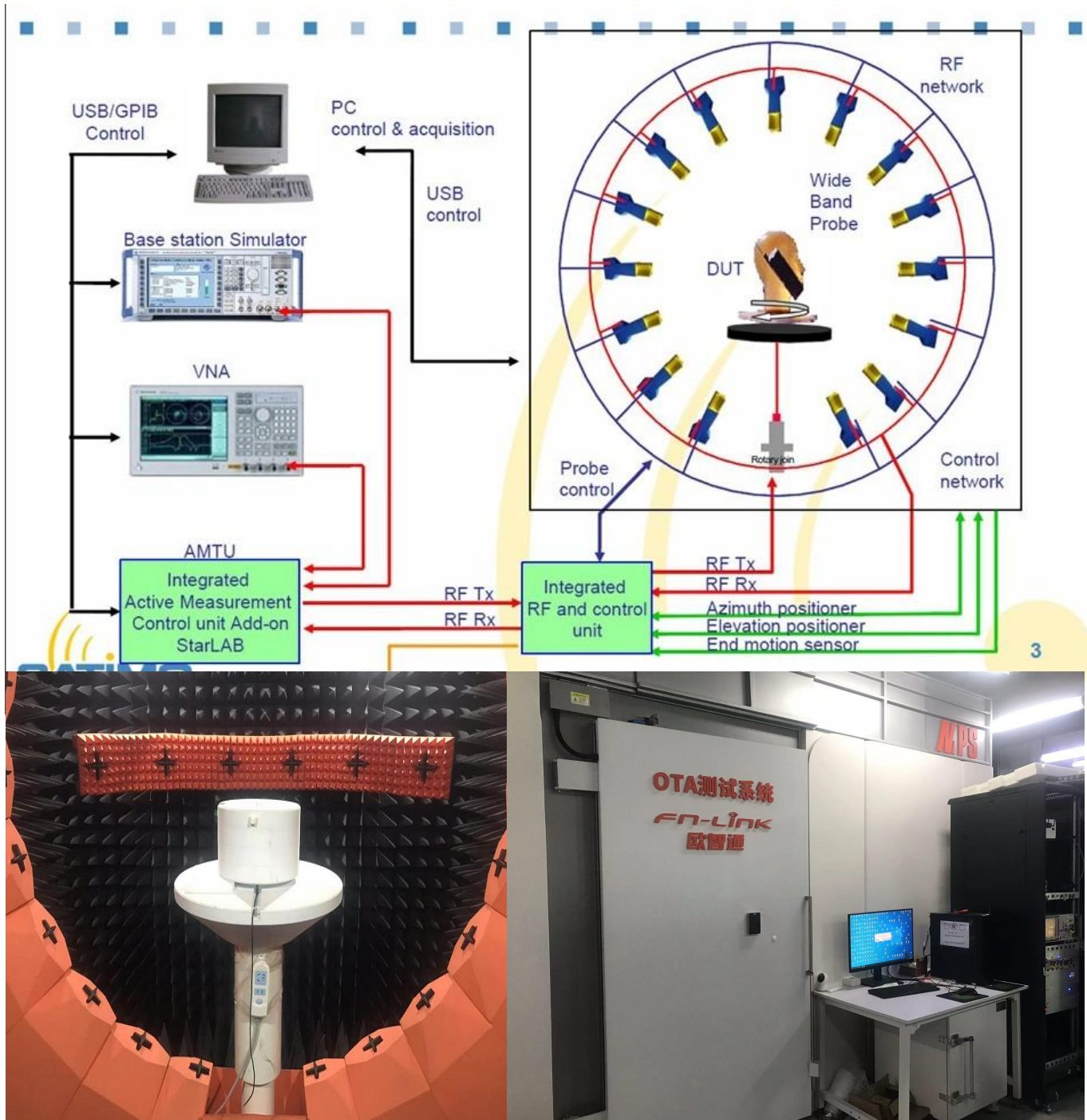
| Number | content                           | Page number  |
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## (Test Equipment & Conditions)

**1.1 . Network Analyzers :** KEYSIGHT P5002A  
**1.2 . Communications Test Set:** R&S CMW 500 5071C

**1.3 . 3D Chamber Test System:** (24 probe testing system)

### 1. Testing principle diagram of microwave anechoic chamber



### 2. Explanation.

This report summarizes the electrical performance results of the antenna for the project, including the S11 parameters, Gain, and Efficiency of the antenna

# catalogue

1. Complete machine description
2. Debugging data report
3. Test data

## 2.1 Scope of application

DSH5310 2.4G-5.8G WIFI Antenna

## 2.2 Operating temperature range

Temperature range of this product: -20 ~ +65 °C

## 2.3 Storage temperature range:

This product is stored at - 30 ~ + 75 °C

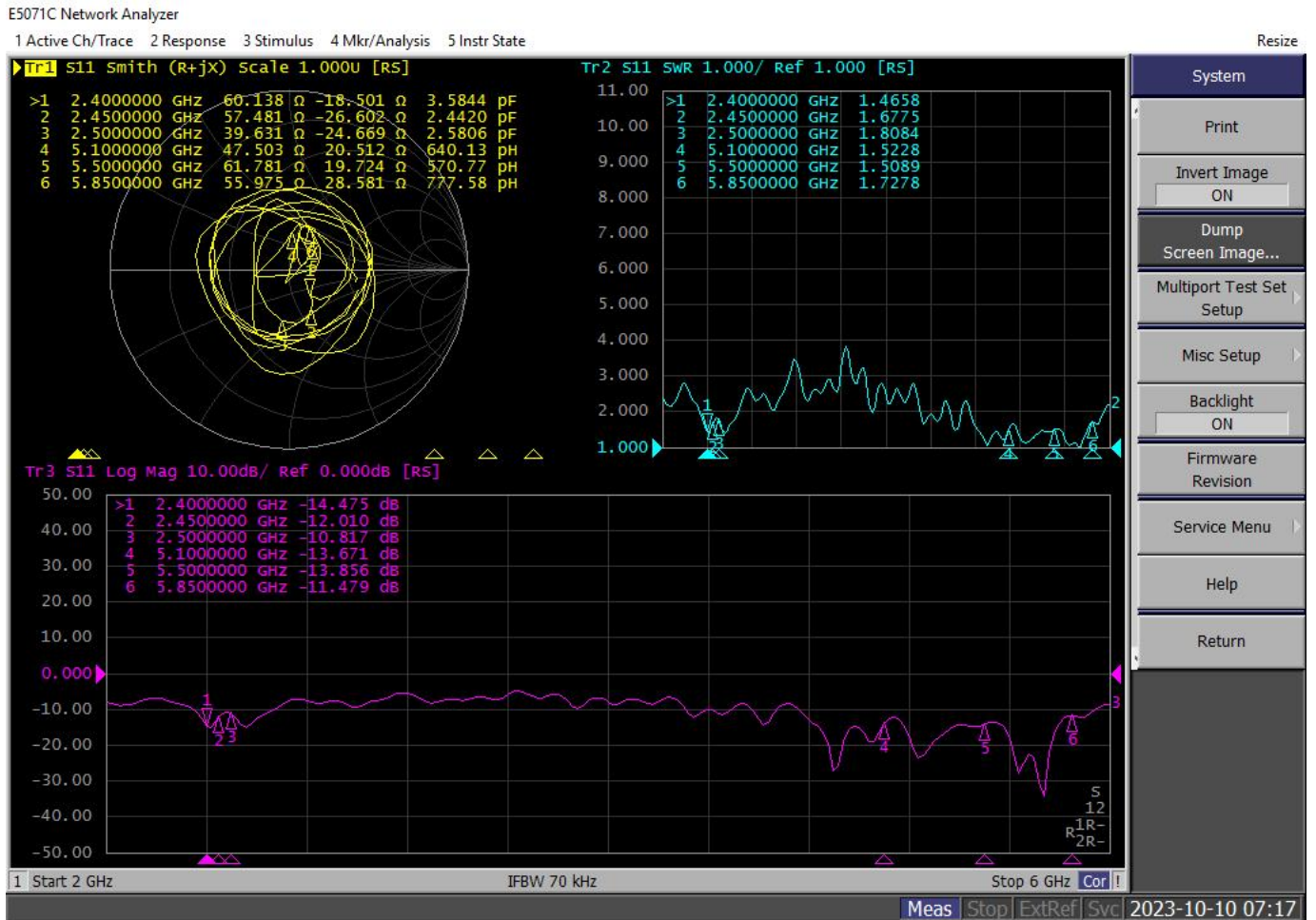
## 3. General product specifications

| NO. | ITEMS                    | DETAILS                                                                              |
|-----|--------------------------|--------------------------------------------------------------------------------------|
| 1   | Type                     | DSH5310 2.4G-5.8G WIFI                                                               |
| 2   | Operating Frequency Band | 2400-2500MHZ 5100-5900MHZ                                                            |
| 3   | VSWR                     | $\leq 2.0$                                                                           |
| 4   | Gain                     | 3.99dBi                                                                              |
| 5   | Radiation Efficiency     | $\geq 50\%$                                                                          |
| 6   | Impedance                | 50Ω                                                                                  |
| 7   | Antenna Type             | FPC                                                                                  |
| 8   | Antenna composition      | PCB+CABLE                                                                            |
| 9   | Entity Picture           |  |





# antenna S11



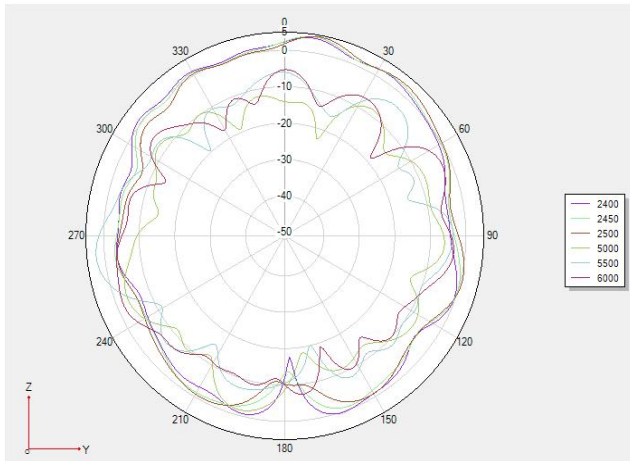
|          |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|
| Freq/MHz | 2400 | 2450 | 2500 | 5000 | 5500 | 5850 |
| VSWR     | 1.4  | 1.6  | 1.8  | 1.5  | 1.5  | 1.7  |



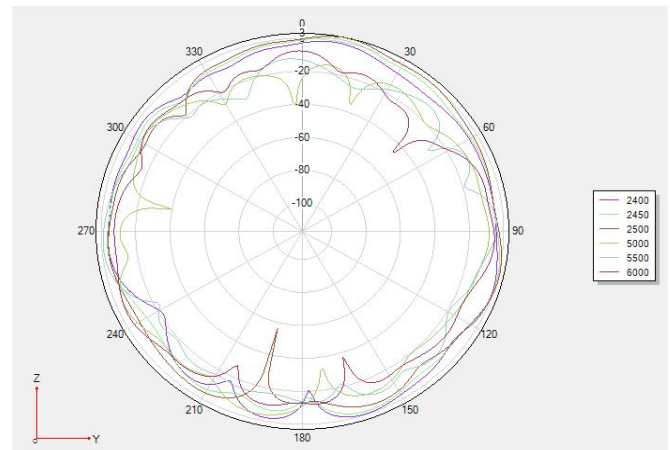
| Frequency/Mhz | MaxGain/dBi | Efficiency / % |
|---------------|-------------|----------------|
| 2400          | 3.3         | 60.67          |
| 2410          | 3.39        | 60.12          |
| 2420          | 3.21        | 58.48          |
| 2430          | 3.04        | 56.13          |
| 2440          | 2.65        | 55.19          |
| 2450          | 2.59        | 58.97          |
| 2460          | 2.52        | 56.67          |
| 2470          | 2.6         | 57.81          |
| 2480          | 2.42        | 59.87          |
| 2490          | 2.64        | 53.25          |
| 2500          | 2.8         | 55.11          |
| 5000          | 3.45        | 53.44          |
| 5100          | 3.29        | 55.55          |
| 5200          | 3.01        | 54.48          |
| 5300          | 3.99        | 51.5           |
| 5400          | 3.89        | 55.66          |
| 5500          | 3.2         | 54.57          |
| 5600          | 3.73        | 52.35          |
| 5700          | 3.65        | 53.99          |
| 5800          | 3.11        | 53.87          |
| 5900          | 3.59        | 50.93          |
| 6000          | 3.23        | 45.6           |

## 2400-2500-5000-5850Mhz antenna Apple diagram Direction diagram

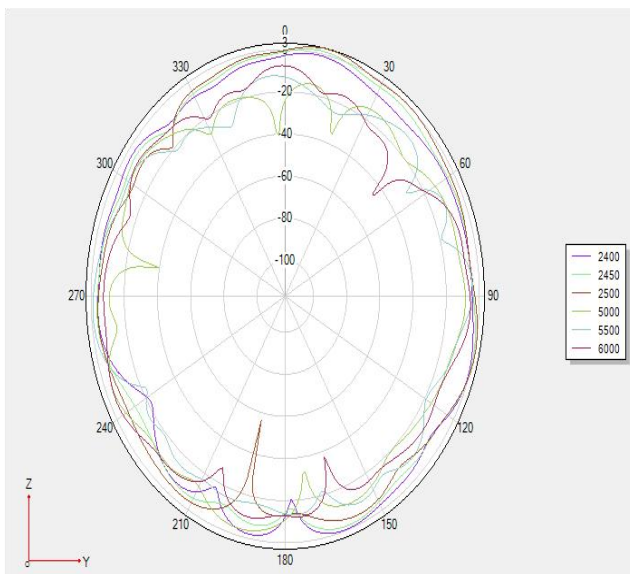
XOZ



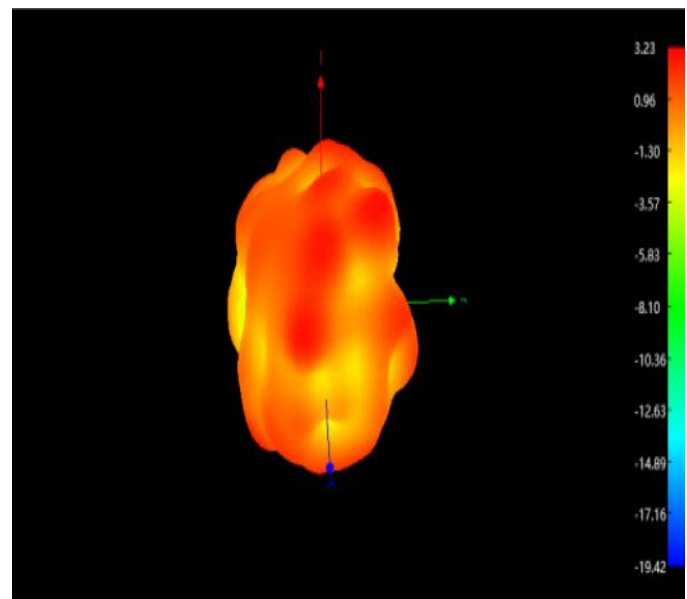
XOY



YOZ



3D



packing

## 产品包装规范 PACKING CRITERION

Date: 2023.10.13

Page: 1 of 1

Part Number : ANTRR-004113L195MMIX

Revision : A

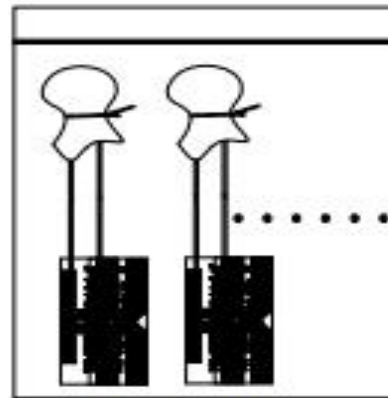
Name: 2.4GHz Antenna

Customer : ALL

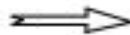
1.



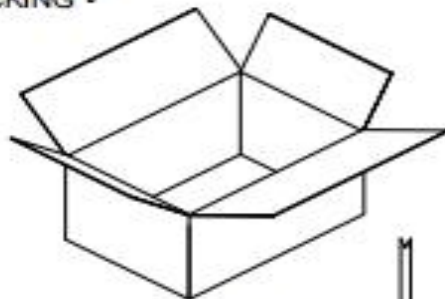
50pcs/BK



200PCS/PE BAG  
R-NIP-BAG-220150



2. PACKING

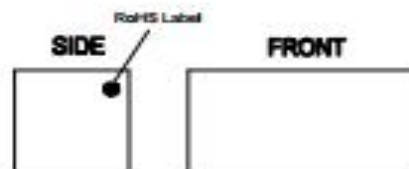
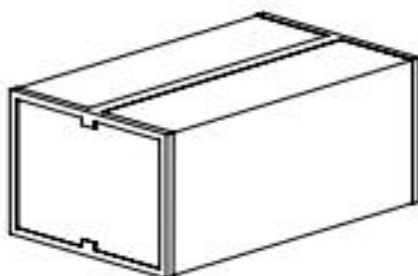


SIZE: 29.0x21.0x16.5cm  
4000PCS/BOX



Pearl cotton : 1pcs/BOX

3. SEALING



SIDE

RoHS Label

FRONT