

## SPECIFICATION FOR APPROVAL

Customer Name: \_\_\_\_\_

Customer P/N: 30110-01407Jing Feng P/N: JF91044-1 (K20)Specification Description: White Blade+ 2.4G WIFI Antenna-L=250MMProduction Date: 2023-12-22

## Factory Confirmation:

| Department           | CHECKED BY    | APPROVED BY |
|----------------------|---------------|-------------|
| RF Department        | Tan Mu Chen   | Wang Shuo   |
| Structure Department | Zhao Peng tao | Wang Shuo   |
| Quality Department   | Liu Xiao Jun  | Wang Shuo   |

## Customer Confirmation:

| INSPECTION | CHECKED | APPROVED                                                                              |
|------------|---------|---------------------------------------------------------------------------------------|
|            |         |  |

[illegible]

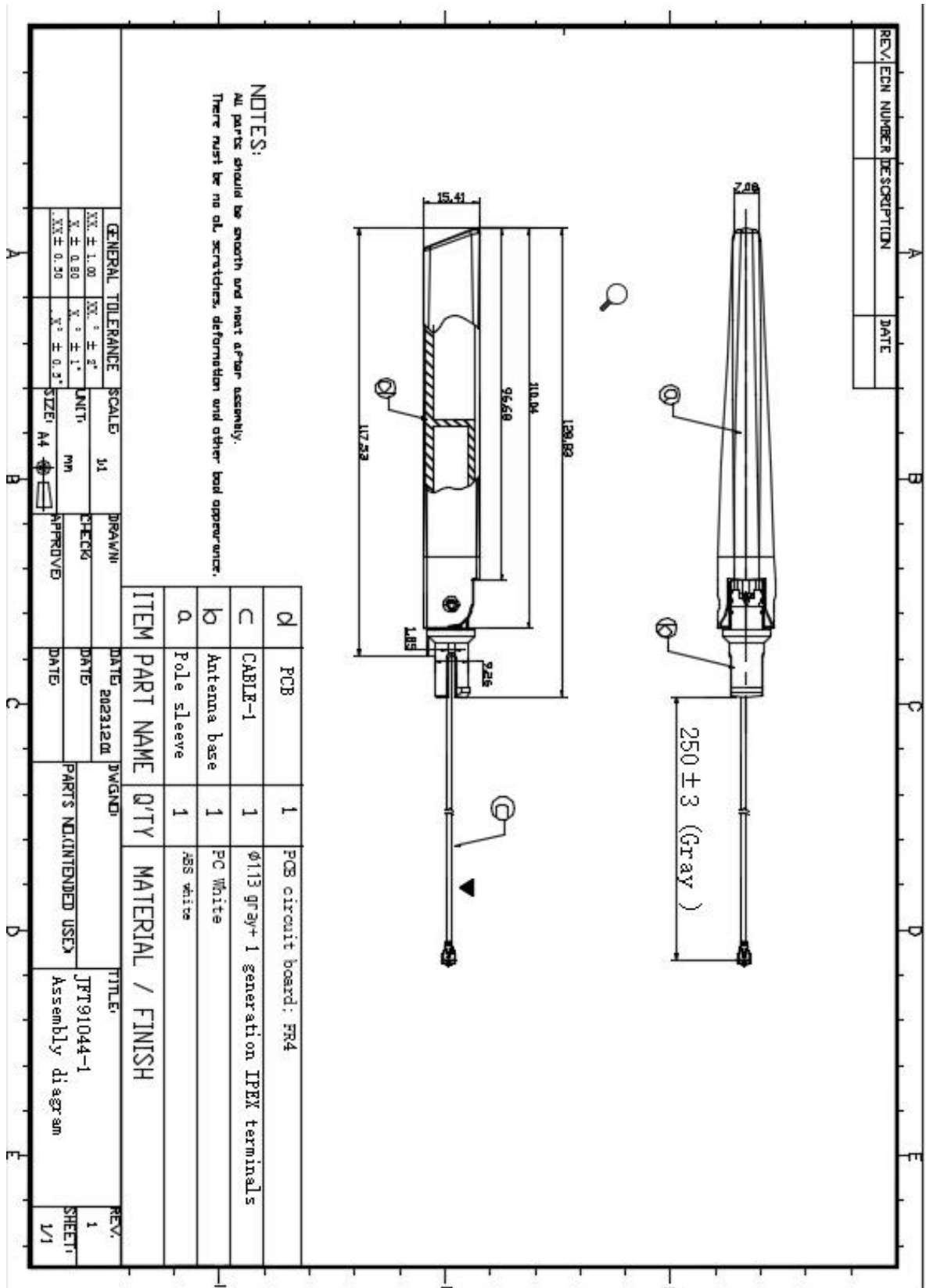
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#### 4、 Main technical specifications

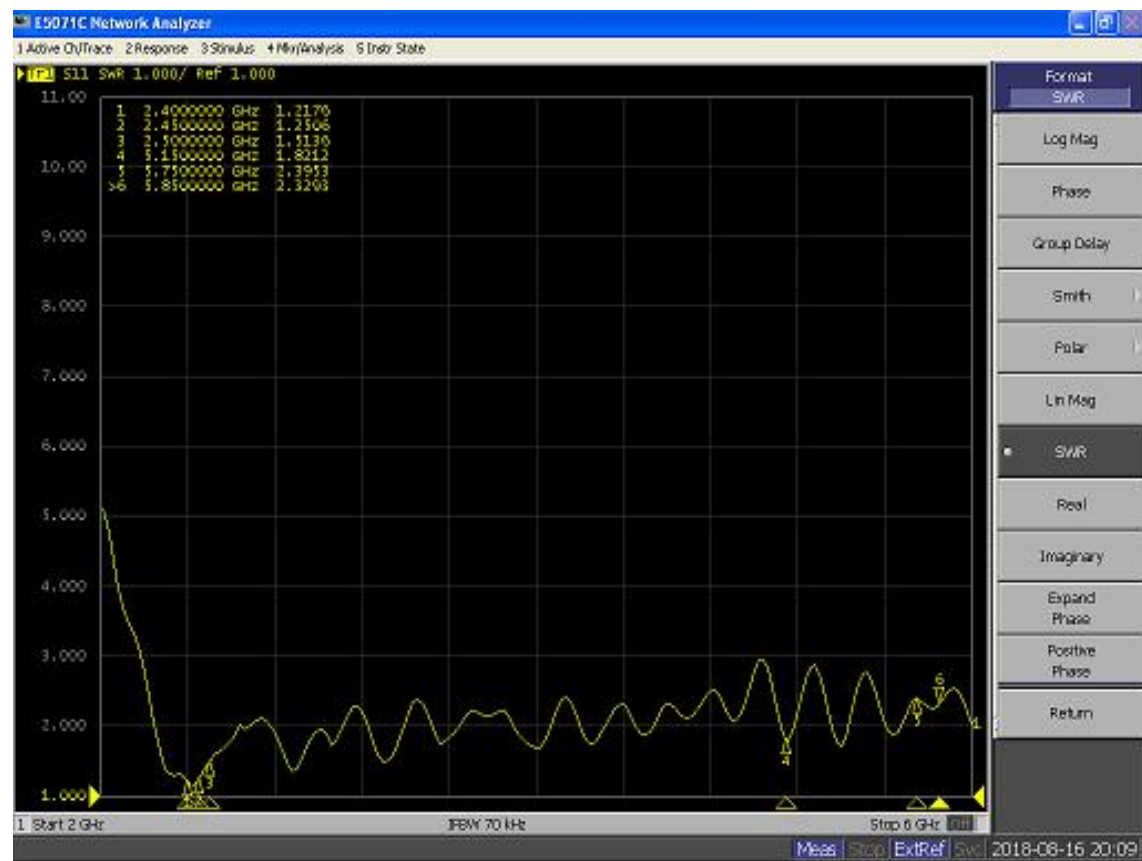
| Electrical Parameters    |                  |
|--------------------------|------------------|
| Frequency Range (MHZ)    | 2400-2500MHz     |
| Impedance (Ω)            | 50 Ω             |
| VSWR                     | ≤2.0             |
| Peak Gain (dBi)          | 2.5±0.5dBi       |
| Efficiency (%)           | More than 50%    |
| On-off Test              | Passage          |
| Polarization             | Linear, Vertical |
| Radiation                | Omni-Directional |
| Joint Type               | Generation IpeX  |
| Mechanical Parameters    |                  |
| Exposure Length          | Gray250±3mm      |
| Salt Spray Test          | 24H              |
| Pole Sleeve              | PC+ABS           |
| Environmental Parameters |                  |
| Operating Temp           | -30℃--75℃        |
| Storage Temp             | -30℃--75℃        |

## 5、Product drawing



## 6、Electrical Performance Test report

### 2. 4G-VSWR/Return Loss



|                 |      |      |      |
|-----------------|------|------|------|
| Frequency 【MHz】 | 2400 | 2450 | 2500 |
| VSWR            | 1.2  | 1.2  | 1.5  |

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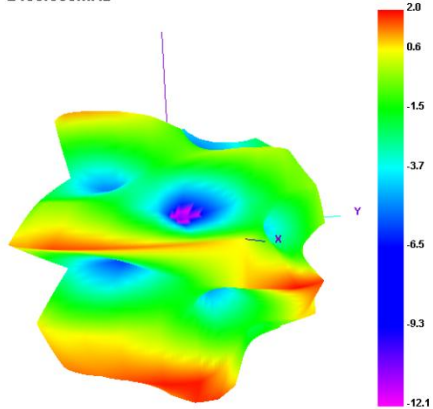
## Efficiency & gain:

2.4G

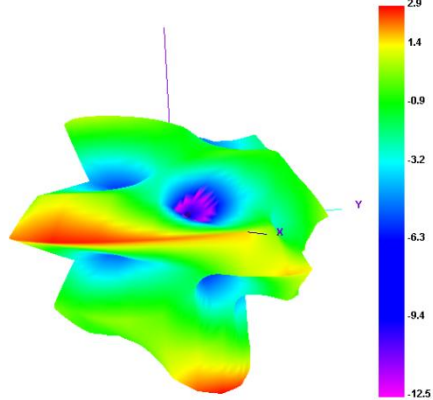
| Passive Test For WIFI2.4 |             |               |
|--------------------------|-------------|---------------|
| Freq<br>(MHz)            | Effi<br>(%) | Gain<br>(dBi) |
| 2400                     | 65.56       | 2             |
| 2410                     | 65.17       | 2.16          |
| 2420                     | 58.07       | 2.11          |
| 2430                     | 58.48       | 2.38          |
| 2440                     | 60.04       | 2.51          |
| 2450                     | 65.11       | 2.93          |
| 2460                     | 67.71       | 3.21          |
| 2470                     | 66.97       | 3.21          |
| 2480                     | 68.15       | 3.62          |
| 2490                     | 68.92       | 3.74          |
| 2500                     | 69.41       | 3.88          |

### 3D Radiation pattern:

2400.000MHz



2450.000MHz



2500.000MHz

