

## ***Purpose***

This report is to measure the performance of SLK for Master Antenna on一恒科. All measure data are showed below.

## ***Content***

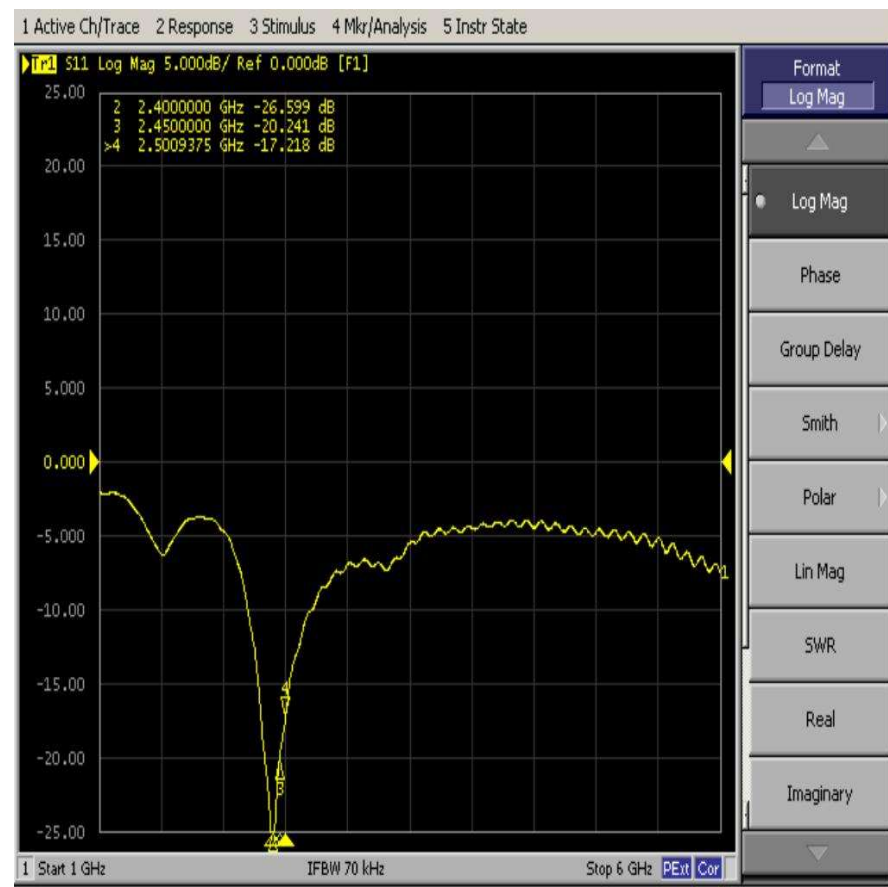
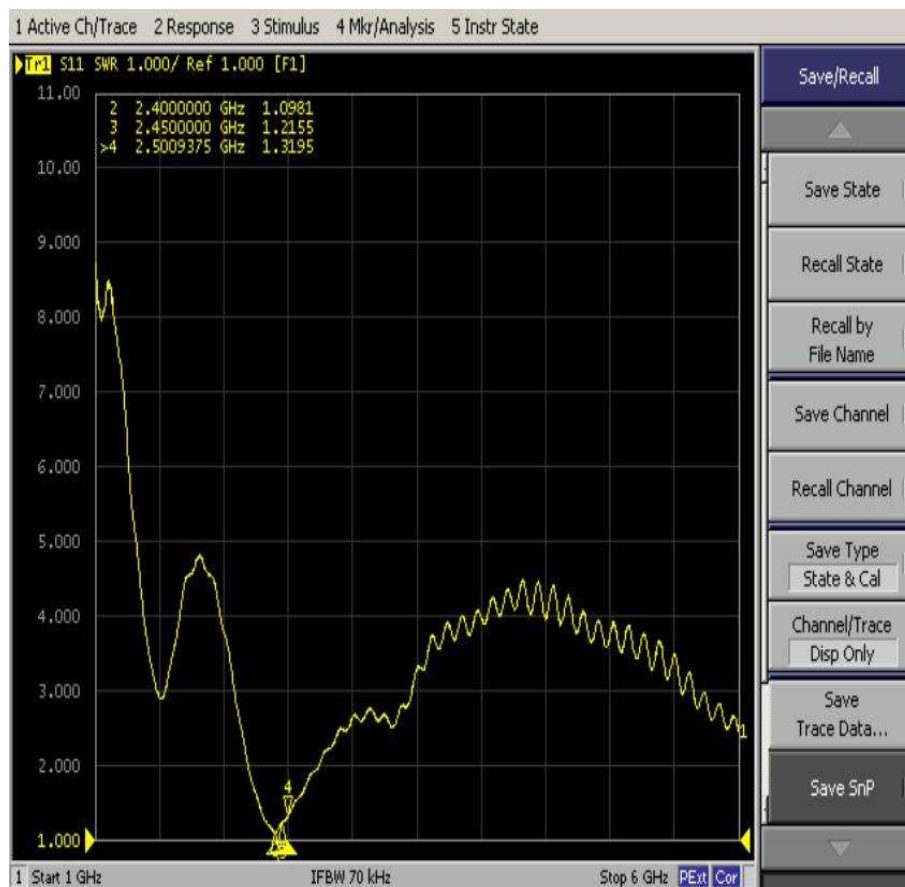
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2. Test Result
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# 1. Product Overview



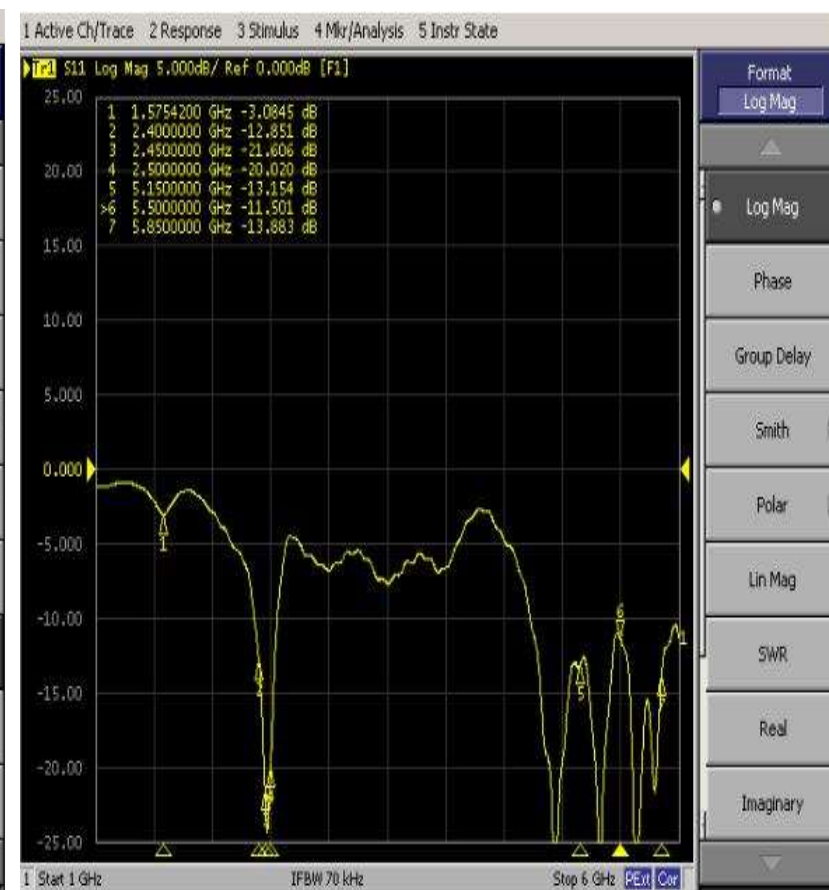
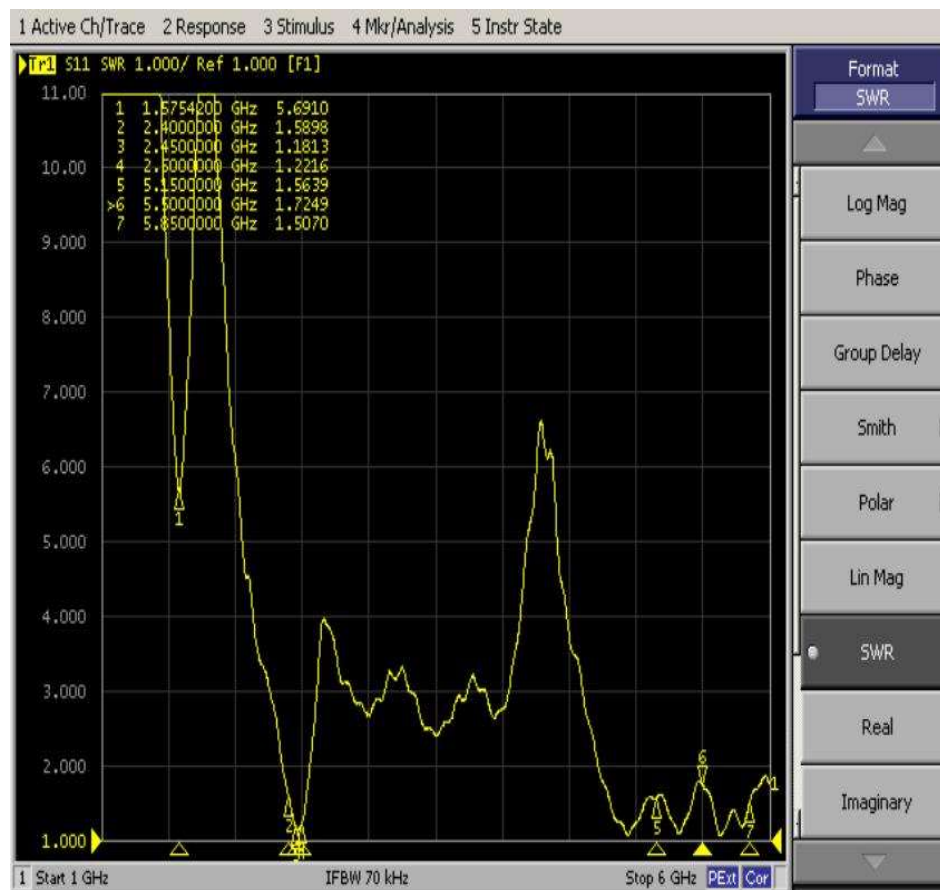
## 2. Test Result

### 2.1 WIFI2 Antenna VSWR/S11



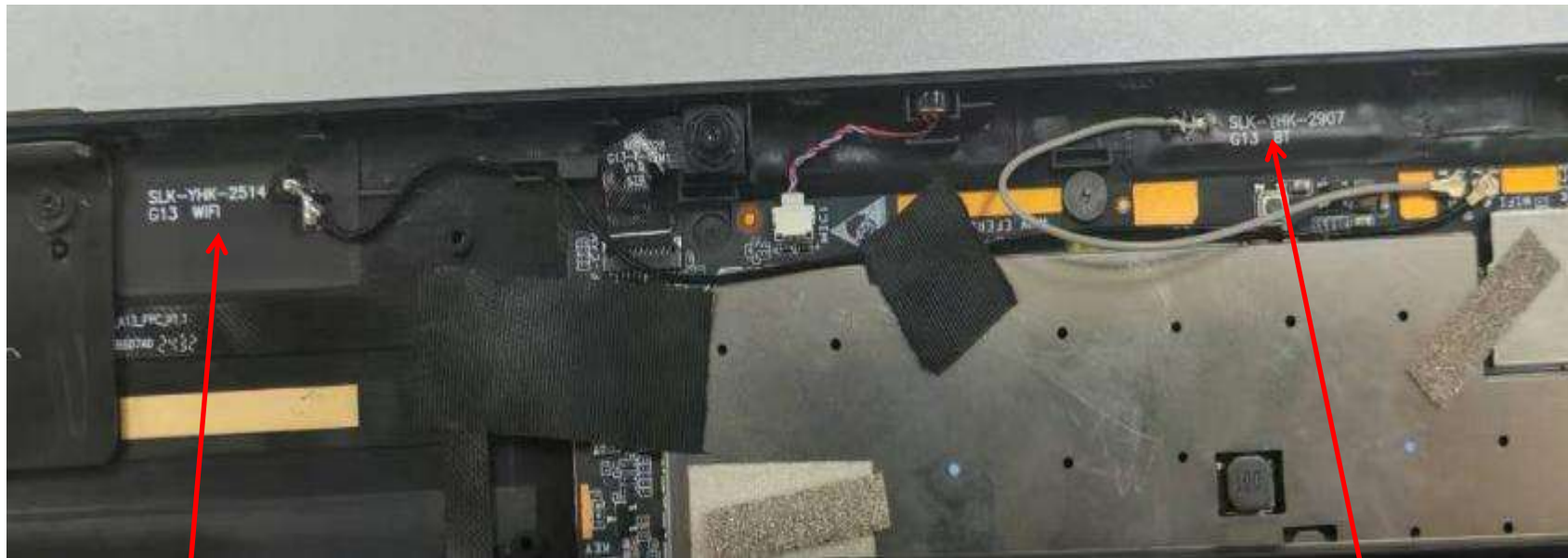
## 2. Test Result

### 2.1 WIFI2 Antenna VSWR/S11



## 2. Test Result

### 2.2 Antenna Parameters



WIFI

BT



## 2. Test Result

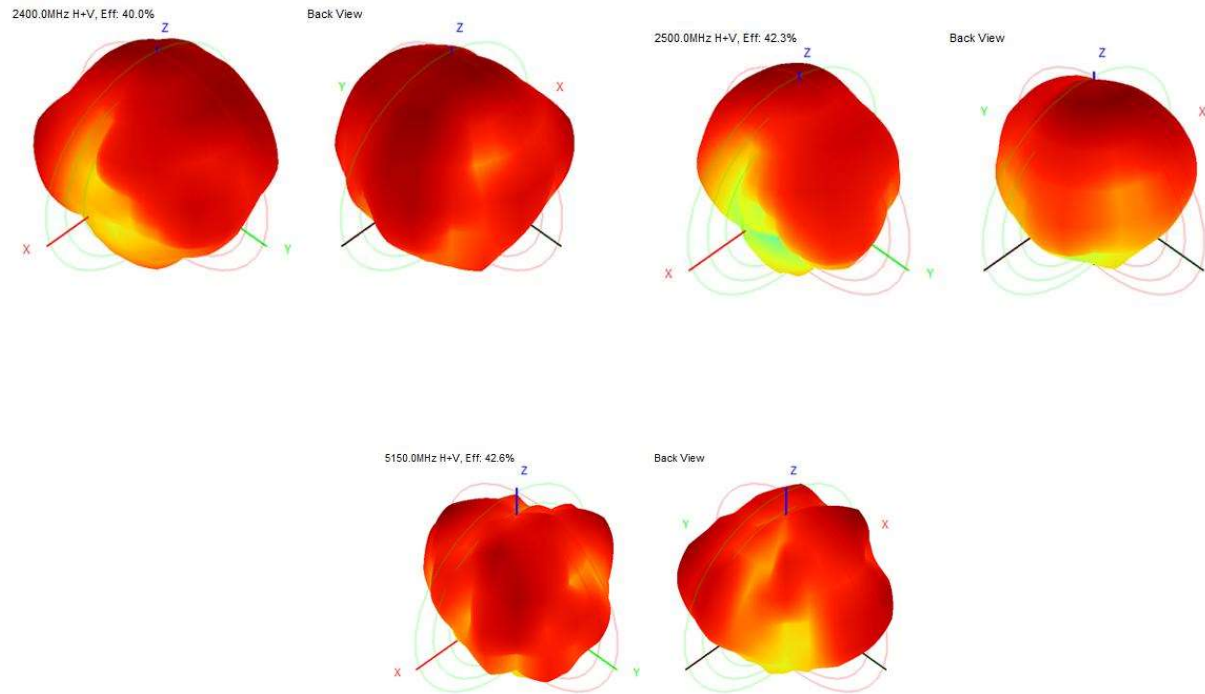
### 2.3 WIFI Antenna TRP/TIS

| WIFI有源测试     |        |        |        |
|--------------|--------|--------|--------|
| 频段           | 1      | 6      | 11     |
| B-TRP-11Mbps | 13.63  | 13.25  | 13.76  |
| B-TIS-11Mbps | -78.01 | -81.09 | -81.10 |
| 频段           | 36     | 149    | 165    |
| A-TRP-54Mbps | 11.92  | 11.73  | 11.09  |
| A-TIS-54Mbps | -68.64 | -68.86 | -68.55 |

## 2. Test Result

### 2.3 WIFI Antenna Gain/Efficiency/3D DATA

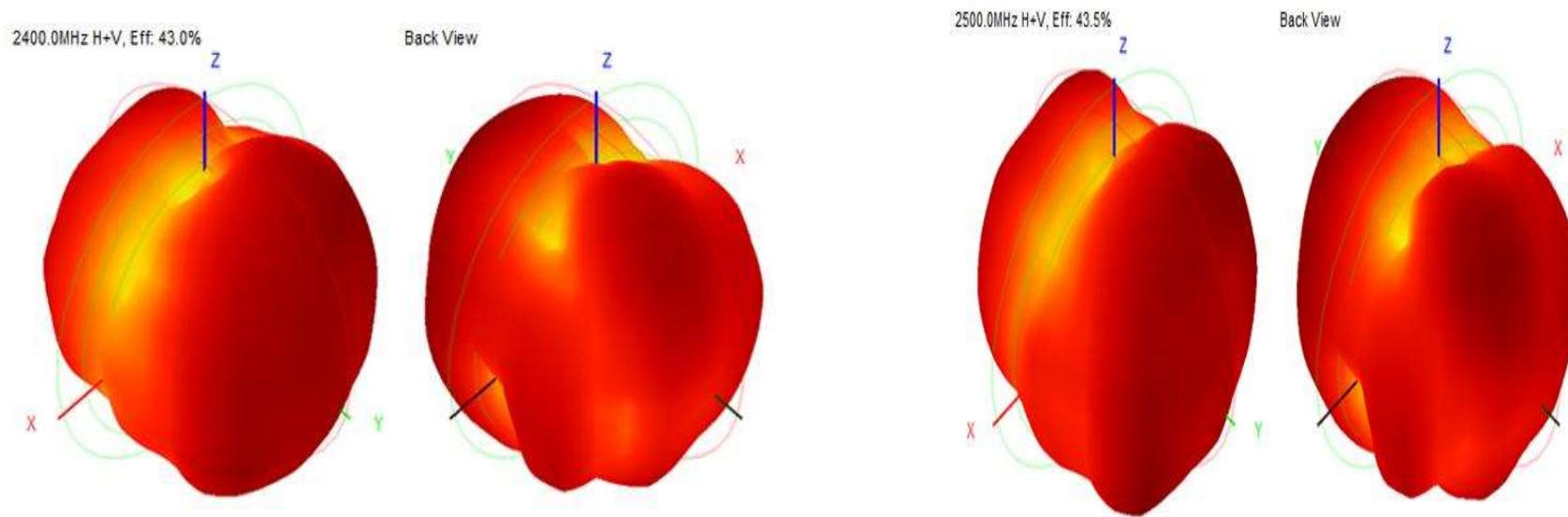
| Frequency (MHz) | Efficiency (dBi) | Gain (dBi) | Efficiency (%) |
|-----------------|------------------|------------|----------------|
| 2400            | -3.97            | 1.58       | 40.02          |
| 2410            | -3.95            | 1.11       | 40.21          |
| 2420            | -3.85            | 1.86       | 41.18          |
| 2430            | -3.86            | 1.22       | 41.03          |
| 2440            | -3.84            | 1.71       | 41.28          |
| 2450            | -3.89            | 1.00       | 40.79          |
| 2460            | -3.68            | 1.34       | 42.85          |
| 2470            | -3.87            | 1.44       | 40.93          |
| 2480            | -3.94            | 1.51       | 40.36          |
| 2490            | -3.89            | 1.63       | 40.82          |
| 2500            | -3.73            | 1.03       | 42.30          |
| 5150            | -3.70            | 1.15       | 42.60          |
| 5250            | -3.67            | 1.76       | 42.92          |
| 5450            | -3.49            | 1.95       | 44.68          |
| 5850            | -3.50            | 1.96       | 44.60          |



## 2. Test Result

### 2.3 BT Antenna Gain/Efficiency/3D DATA

| Frequency (MHz)  | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Efficiency (dBi) | -3.66  | -3.51  | -3.57  | -3.56  | -3.57  | -3.60  | -3.69  | -3.60  | -3.48  | -3.55  | -3.61  |
| Gain (dBi)       | 1.46   | 1.62   | 1.51   | 1.47   | 1.41   | 1.36   | 1.21   | 1.28   | 1.30   | 1.40   | 1.19   |
| Efficiency (%)   | 43.04  | 44.48  | 43.91  | 44.01  | 43.87  | 43.64  | 42.71  | 43.63  | 44.84  | 44.08  | 43.54  |

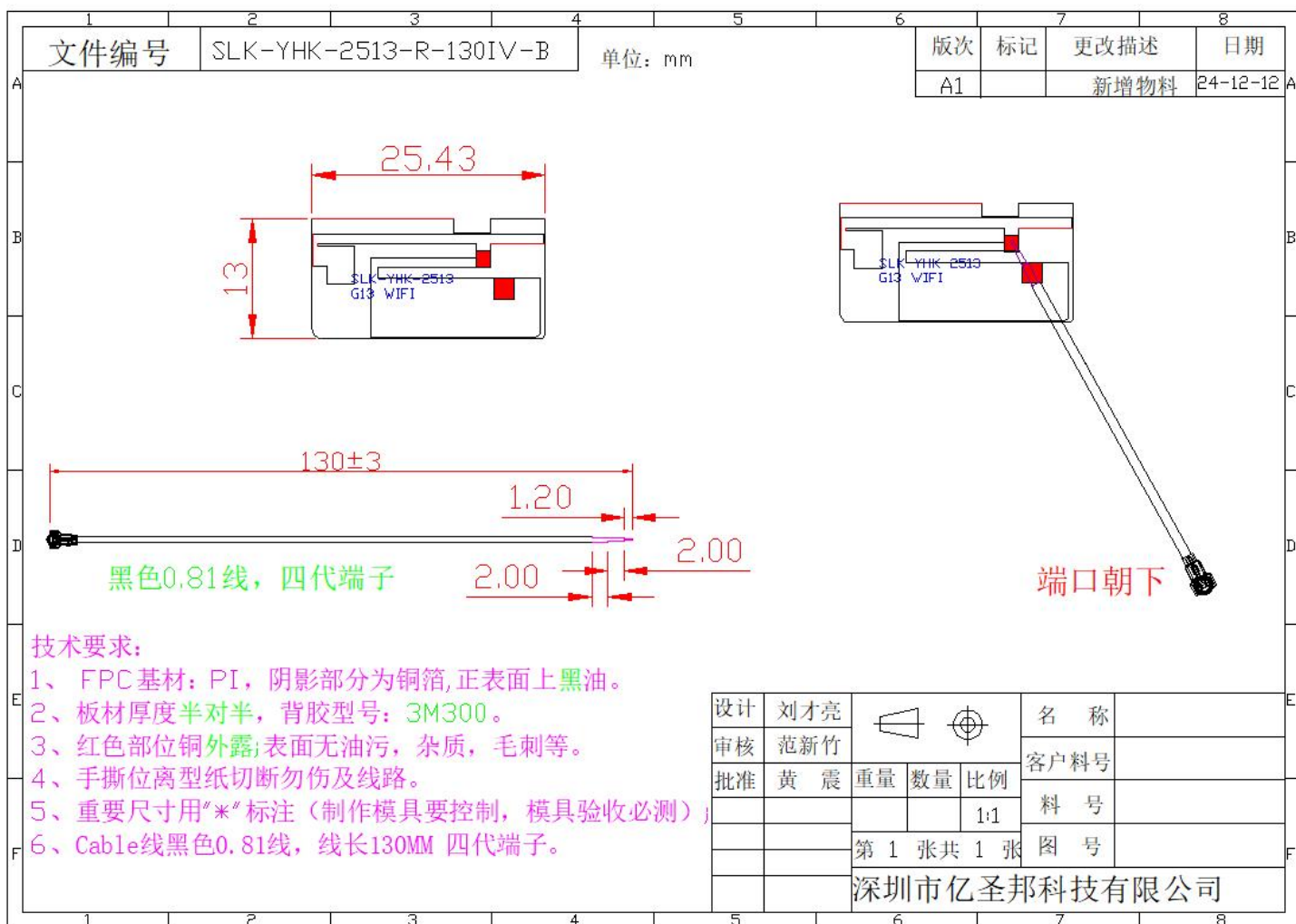




### 3. Conclusions

谢谢！

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