

**Hisense**



UEFA  
EURO2020

2020欧洲杯全球官方合作伙伴

# MW604天线报告

2021-4

Manufacture: Qingdao Hisense Communication Co., Ltd

| WiFi1           |                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Type    | Monopole PCB Antenna 15mm*10mm                                                                                                           |
| Input impedance | 50Ω                                                                                                                                      |
| Frequency Band  | 2.4~2.5GHz/5.15~5.85GHz/5.925~7.125GHz                                                                                                   |
| Return Loss     | 2.4GHz~2.5GHz: $S_{11} \leq -10\text{dB}$ 5.15GHz~5.85GHz: $S_{11} \leq -8\text{dB}$ .<br>5.925GHz~7.125GHz: $S_{11} \leq -9\text{dB}$ . |
| Peak Gain       | 1.3dBi@2.4~2.5GHz , 1.7dBi@5.15~5.85GHz , 1.9dBi@5.925~7.125GHz                                                                          |
| Efficiency      | 2.4~2.5GHz $\geq 53\%$ (Avg) , 5.15~5.85GHz $\geq 55\%$ (Avg), 5.925~7.125GHz $\geq 50\%$ (Avg)                                          |
| WiFi2           |                                                                                                                                          |
| Antenna Type    | Monopole PCB Antenna 15mm*10mm                                                                                                           |
| Input impedance | 50Ω                                                                                                                                      |
| Frequency Band  | 2.4~2.5GHz/5.15~5.85GHz/5.925~7.125GHz                                                                                                   |
| Return Loss     | 2.4GHz~2.5GHz: $S_{11} \leq -10\text{dB}$ 5.15GHz~5.85GHz: $S_{11} \leq -8\text{dB}$ .<br>5.925GHz~7.125GHz: $S_{11} \leq -9\text{dB}$ . |
| Peak Gain       | 1.2dBi@2.4~2.5GHz , 1.9dBi@5.15~5.85GHz , 2dBi@5.925~7.125GHz                                                                            |
| Efficiency      | 2.4~2.5GHz $\geq 47\%$ (Avg) , 5.15~5.85GHz $\geq 57\%$ (Avg) , 5.925~7.125GHz $\geq 55\%$ (Avg)                                         |
| BT              |                                                                                                                                          |
| Antenna Type    | Monopole PCB Antenna 6mm*13mm                                                                                                            |
| Input impedance | 50Ω                                                                                                                                      |
| Frequency Band  | 2.4~2.5GHz                                                                                                                               |
| Return Loss     | $S_{11} \leq -7\text{dB}$                                                                                                                |
| Peak Gain       | 0.7dBi                                                                                                                                   |
| Efficiency      | $\geq 45\%$ (Avg)                                                                                                                        |

## BT:

| CH | dBi  |
|----|------|
| L  | 0.3  |
| M  | 0.7  |
| H  | 0.65 |

BT Gain:  
0.7dB

## WIFI1:

|      | CH | dBi  |
|------|----|------|
| 2.4G | L  | 1.09 |
|      | M  | 1.3  |
|      | H  | 1.21 |
| 5G   | L  | 1.52 |
|      | M  | 1.7  |
|      | H  | 1.6  |
| 7G   | L  | 1.9  |
|      | M  | 1.25 |
|      | H  | 1.45 |

WiFi1 Gain:  
2.4G:1.3dB  
5G:1.7dB  
6-7G:1.9dB

## WIFI2:

|      | CH | dBi  |
|------|----|------|
| 2.4G | L  | 1.12 |
|      | M  | 1.05 |
|      | H  | 1.2  |
| 5G   | L  | 1.9  |
|      | M  | 1.73 |
|      | H  | 1.65 |
| 7G   | L  | 1.91 |
|      | M  | 2.00 |
|      | H  | 1.56 |

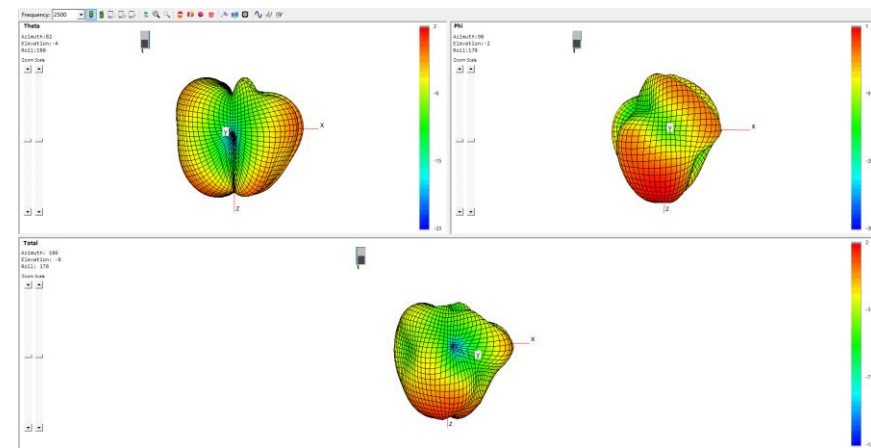
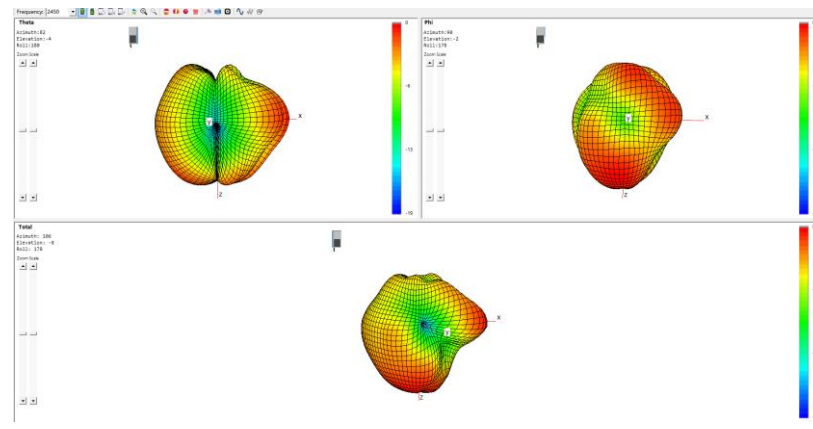
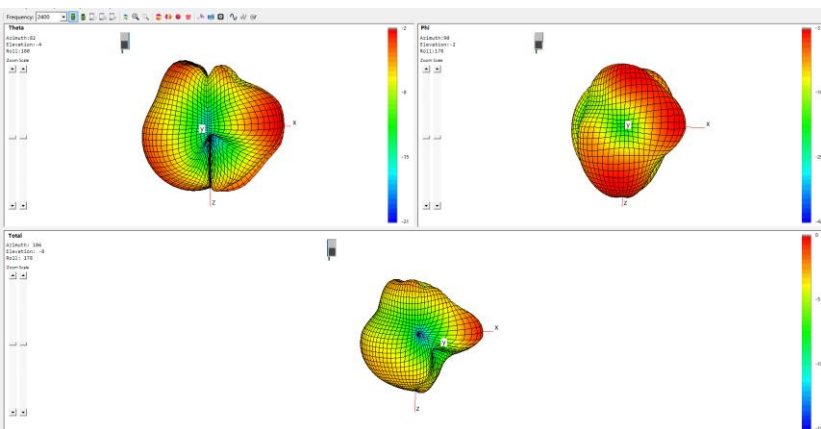
WiFi2 Gain:  
2.4G:1.2dB  
5G:1.9dB  
6-7G:2dB

BT:

L

M

H

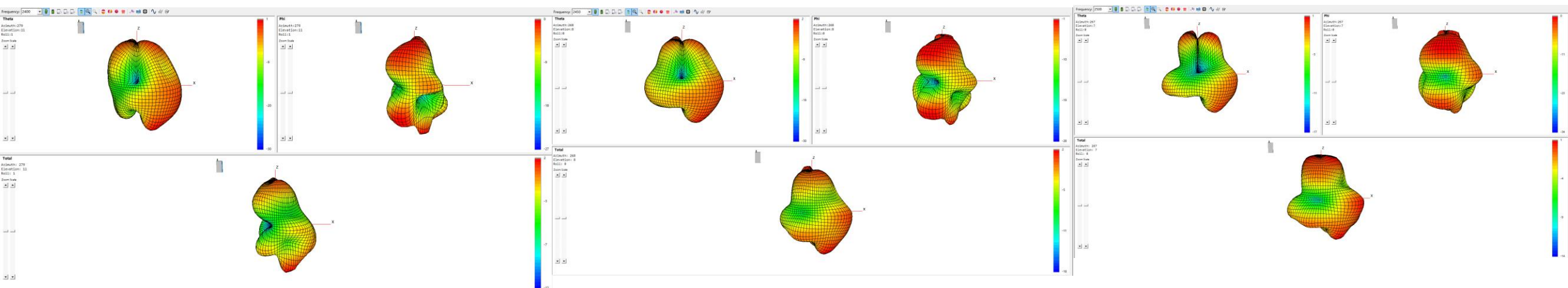


WIFI 1 2.4G:

L

M

H

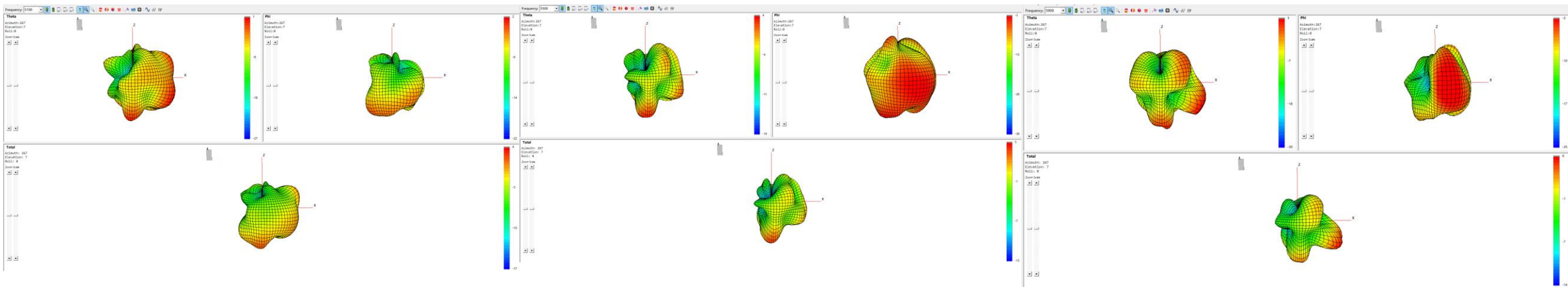


WIFI 1 5G:

L

M

H

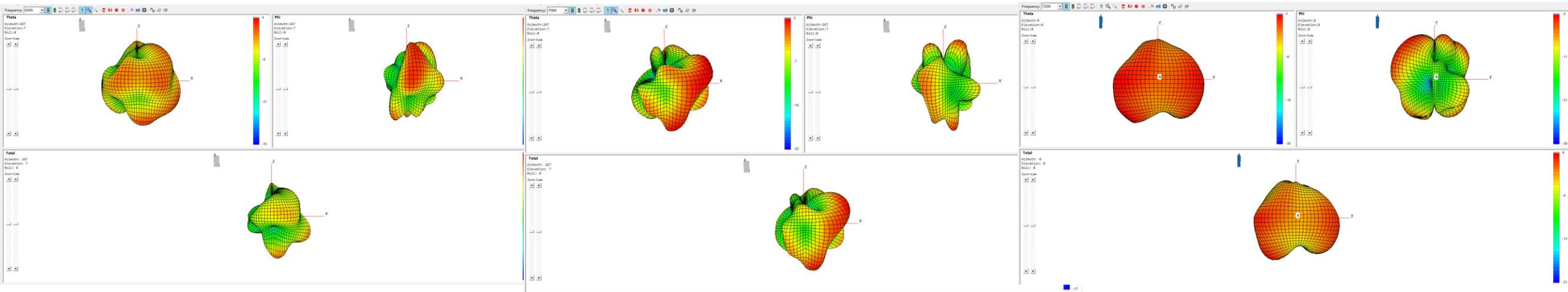


WIFI 1 7G:

L

M

H

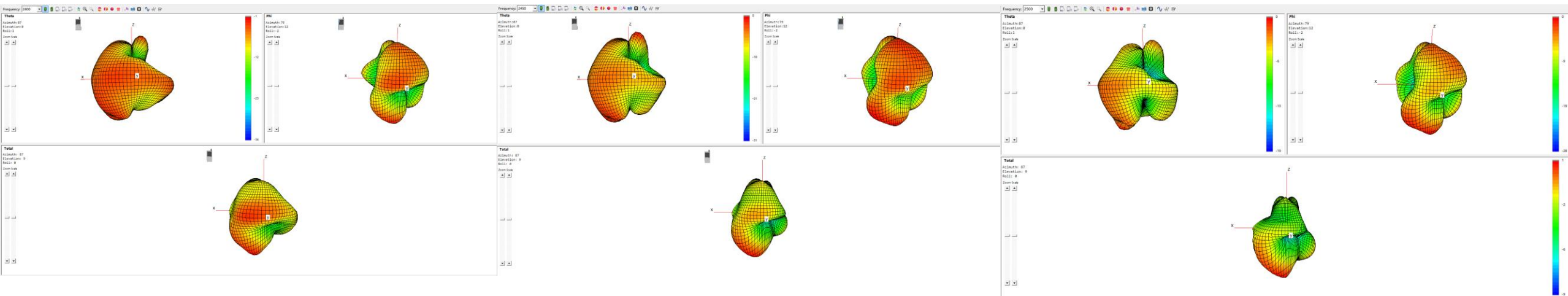


WIFI 2 2.4G:

L

M

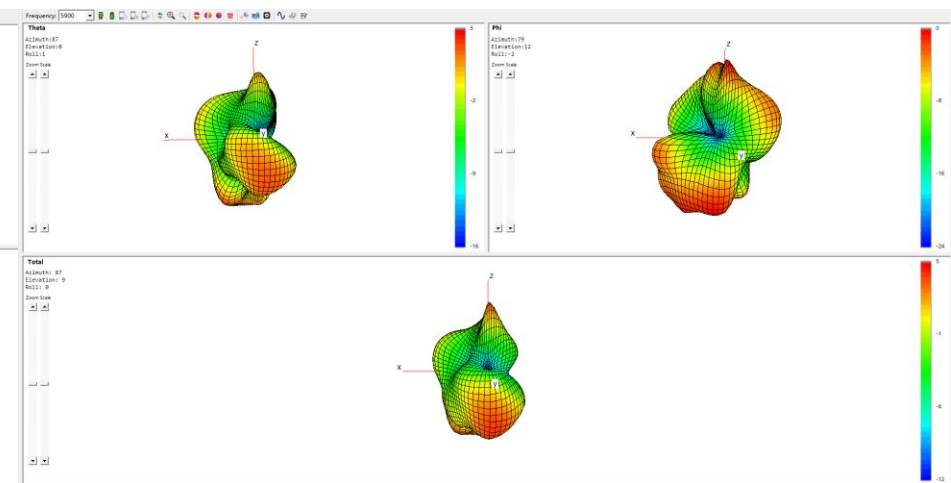
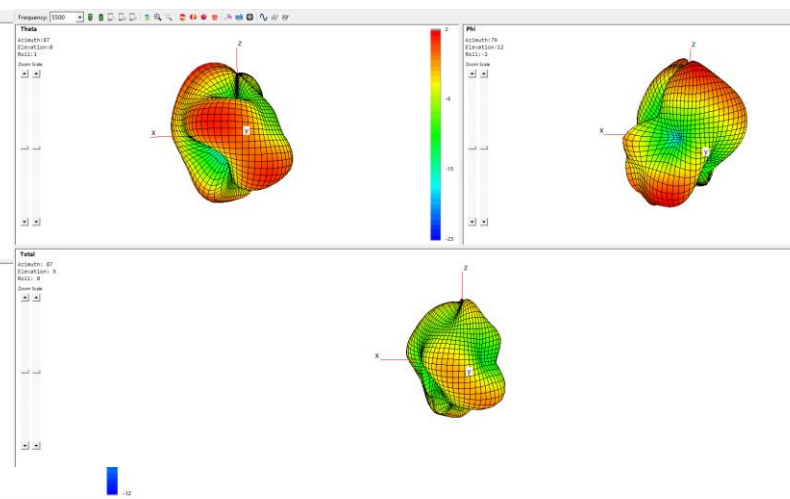
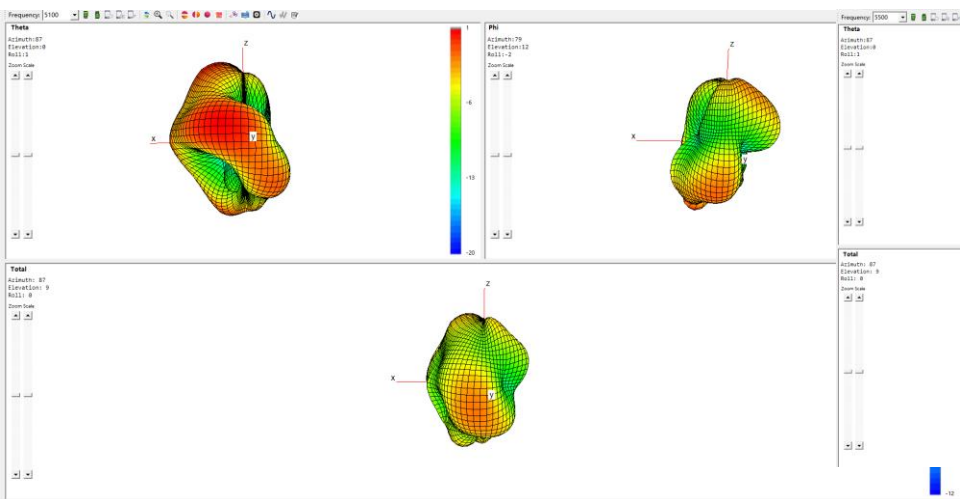
H



WIFI 2 5G: L

M

H



天线效率\增益

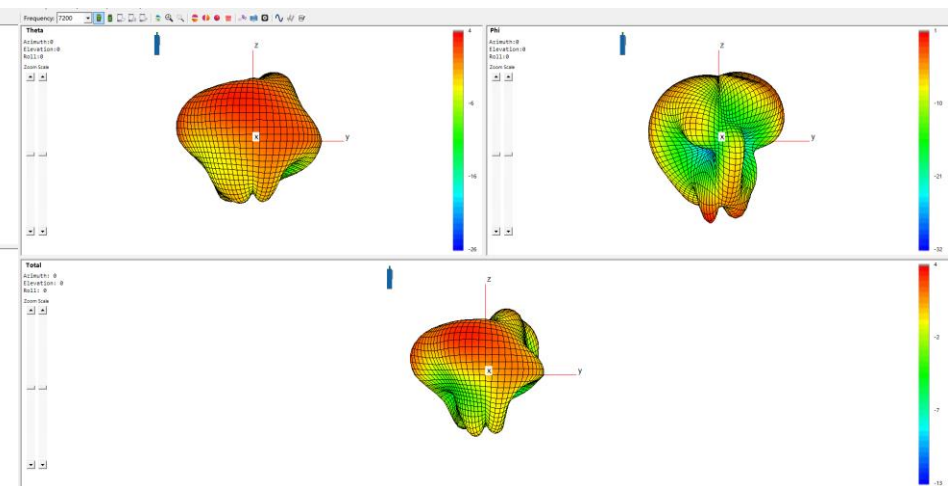
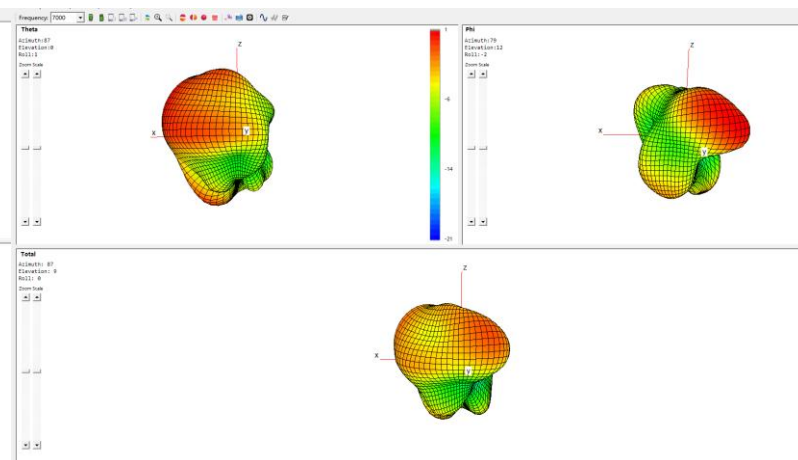
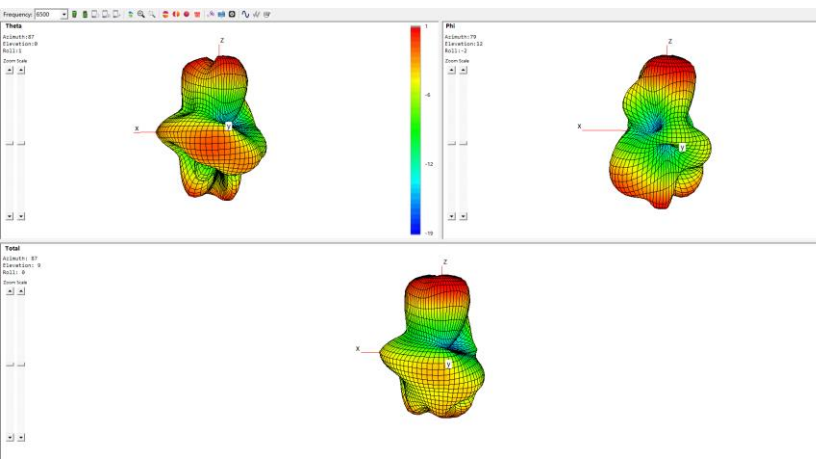
隔离度

WIFI 2 7G:

L

M

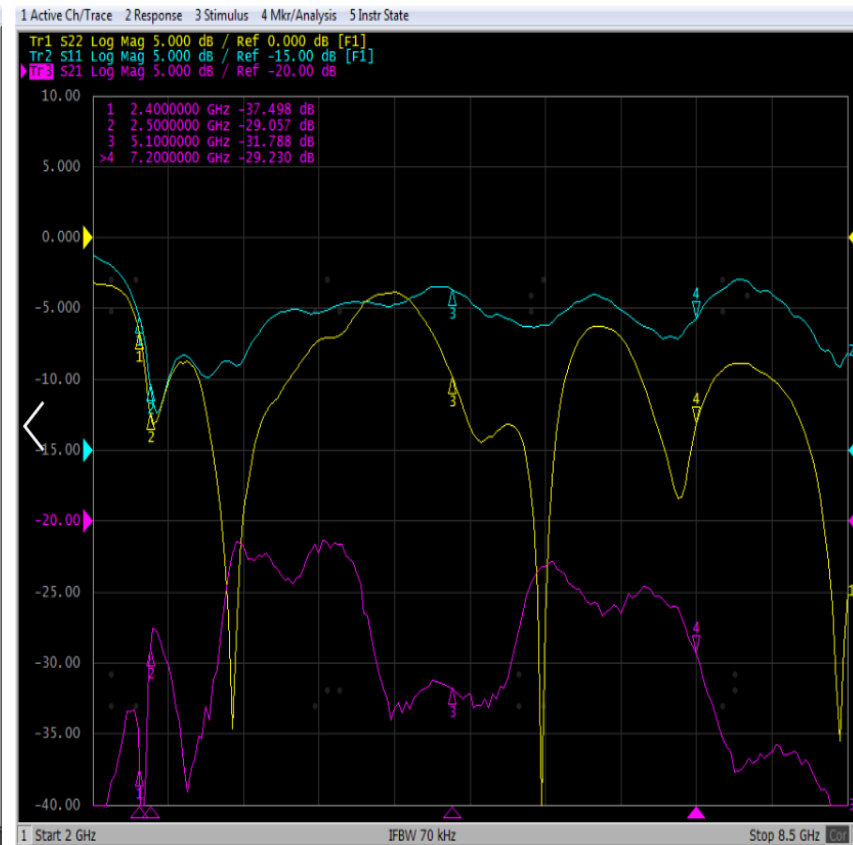
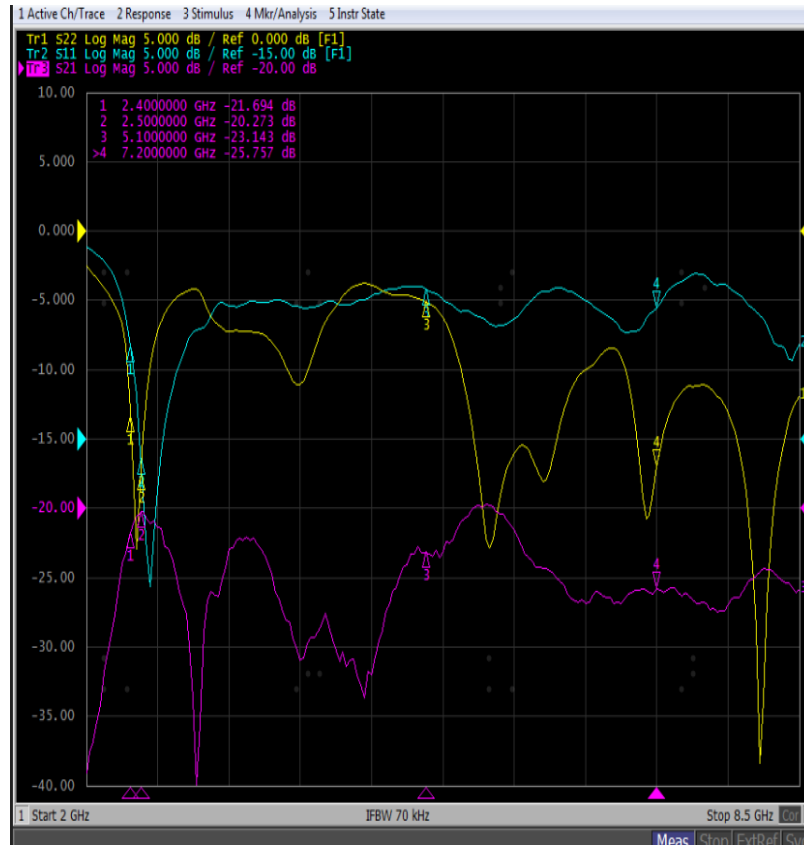
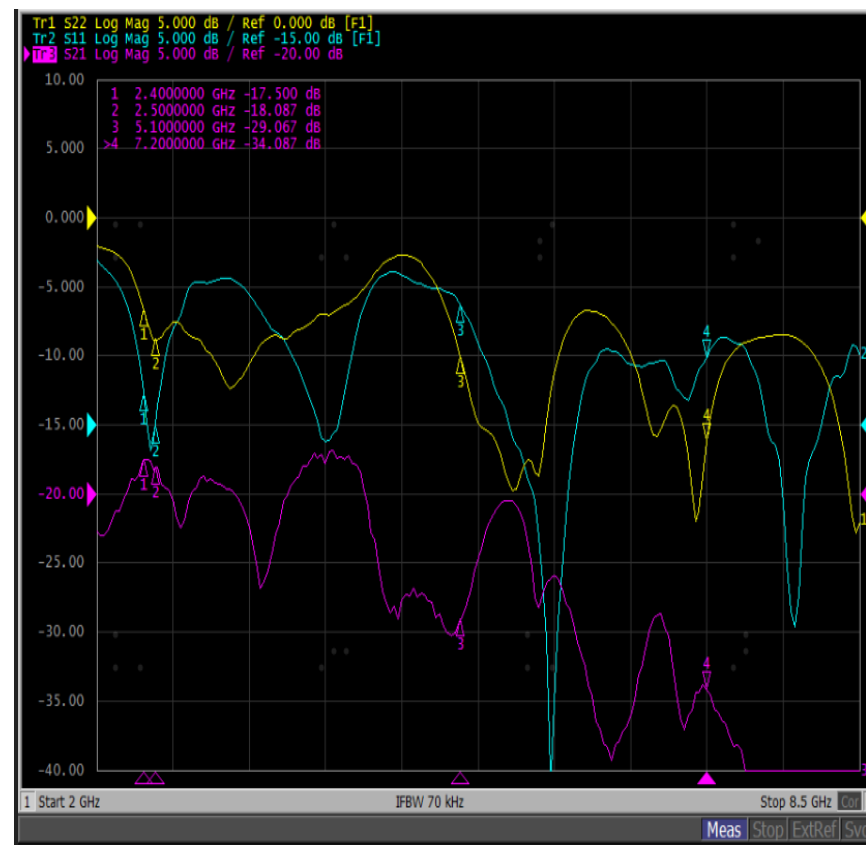
H



WIFI1与WIFI2:  
2.4G L:-17.5 M:-18 H:-18  
5G~7G: <-20

WIFI1与BT:  
2.4G L:-21 M:-20 H:-20  
5G~7G: <-20

WIFI2与BT:  
2.4G L:-37 M:-35 H:-29  
5G~7G: <-20



### 测试机构

青岛海信通信有限公司  
Qingdao Hisense Communication Co., Ltd

### 测试机构地址

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### 测试机构联系方式

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# 谢谢

