

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: $S_{11} \leq -8\text{dB}$. 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: $S_{11} \leq -8\text{dB}$. 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

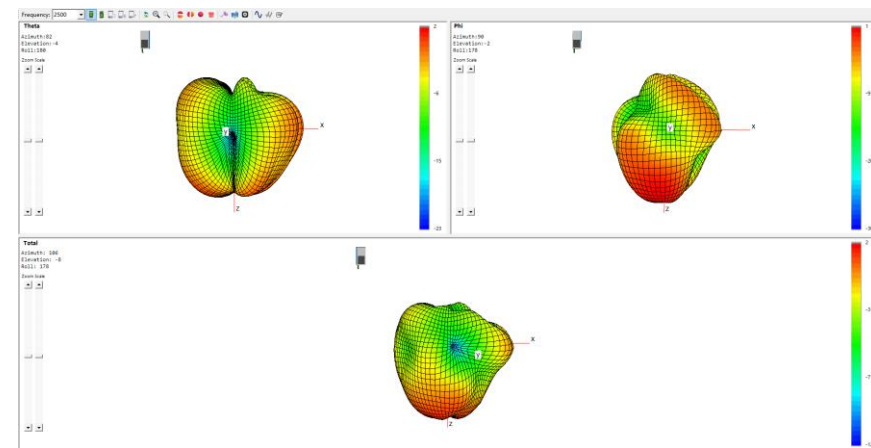
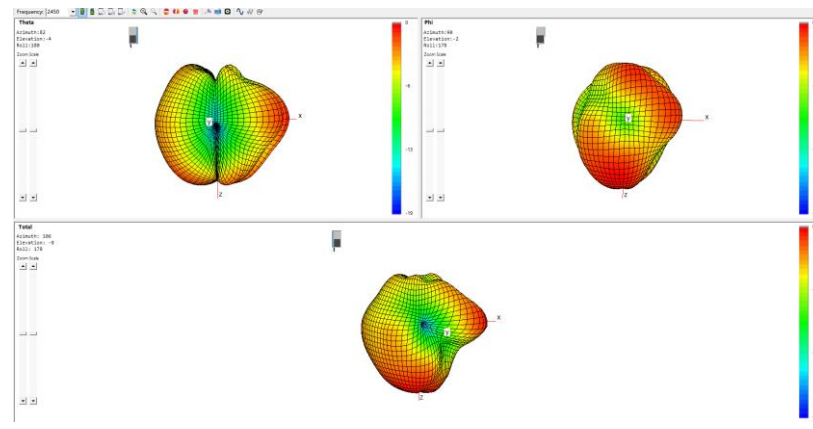
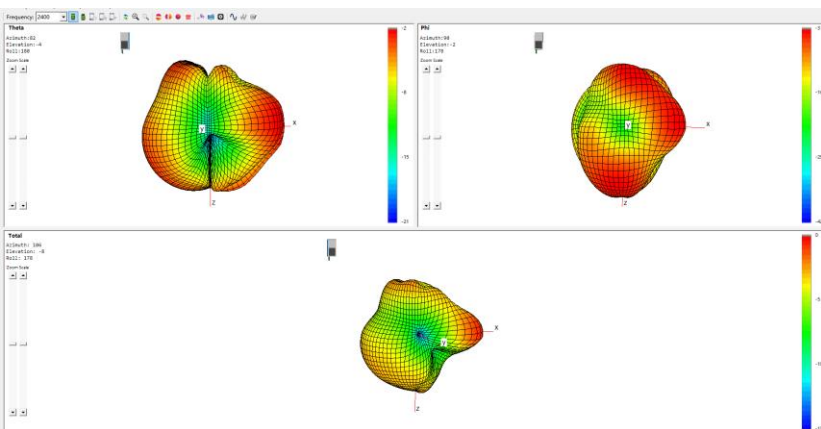
WiFi2 Gain:
2.4G:1.2dB
5G:1.9dB
6-7G:2dB

BT:

L

M

H

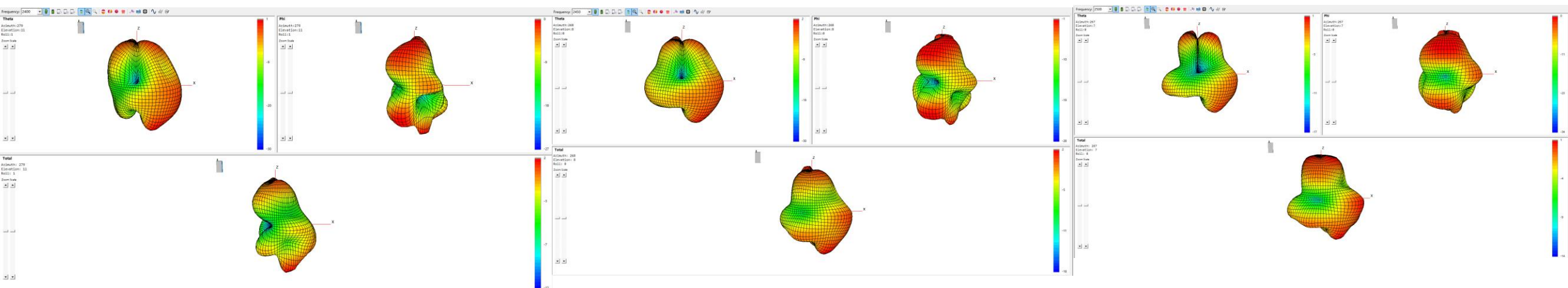


WIFI 1 2.4G:

L

M

H

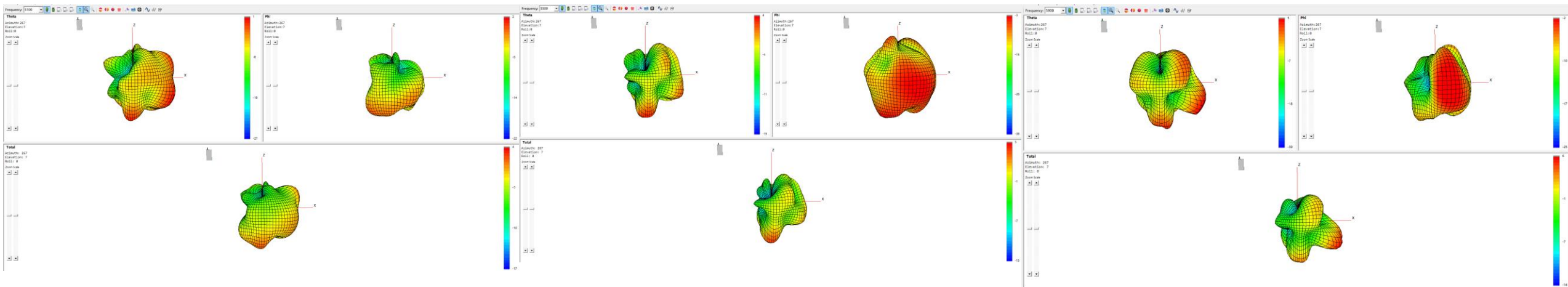


WIFI 1 5G:

L

M

H

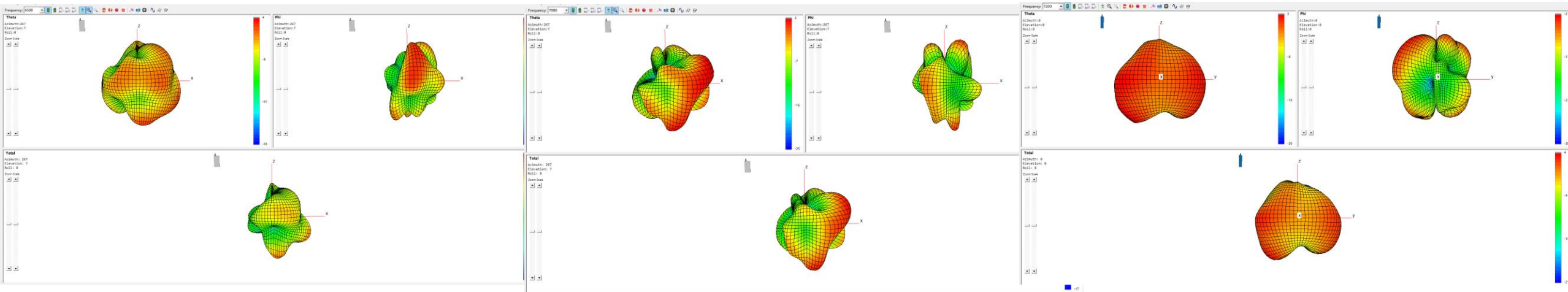


WIFI 1 7G:

L

M

H

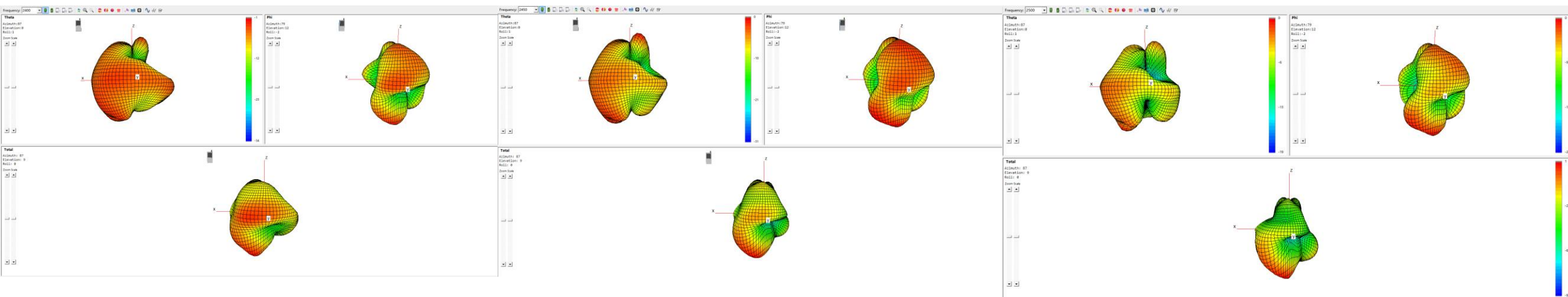


WIFI 2 2.4G:

L

M

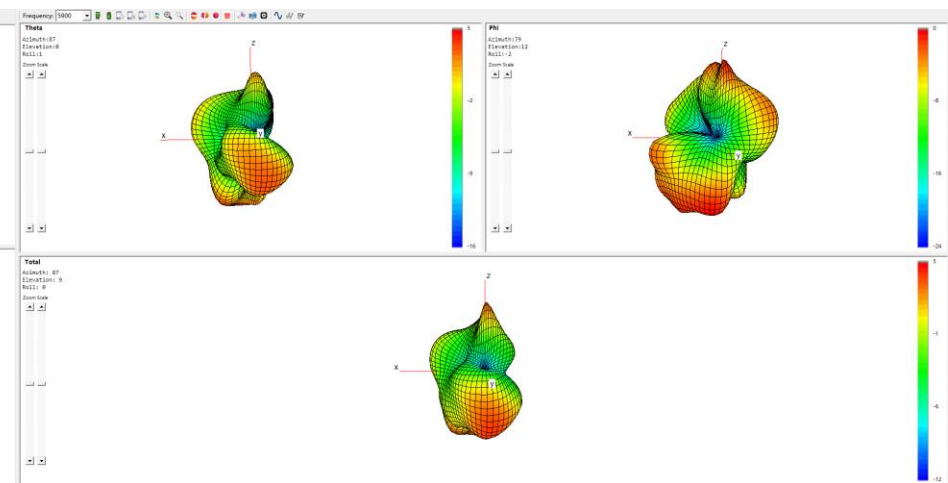
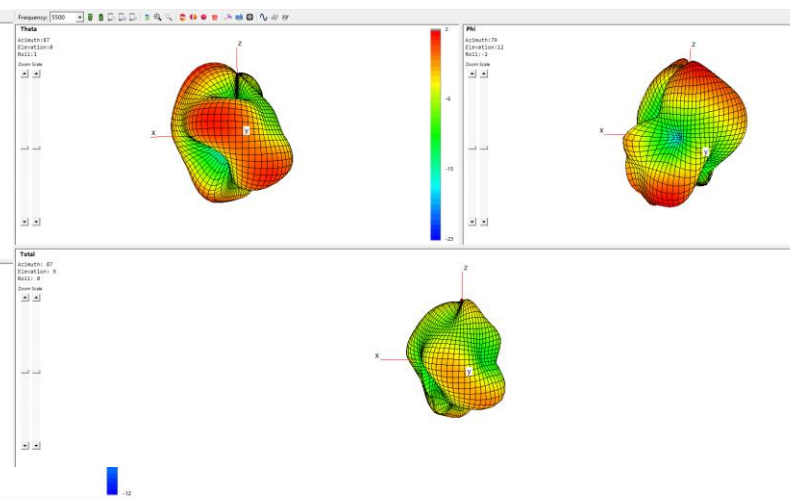
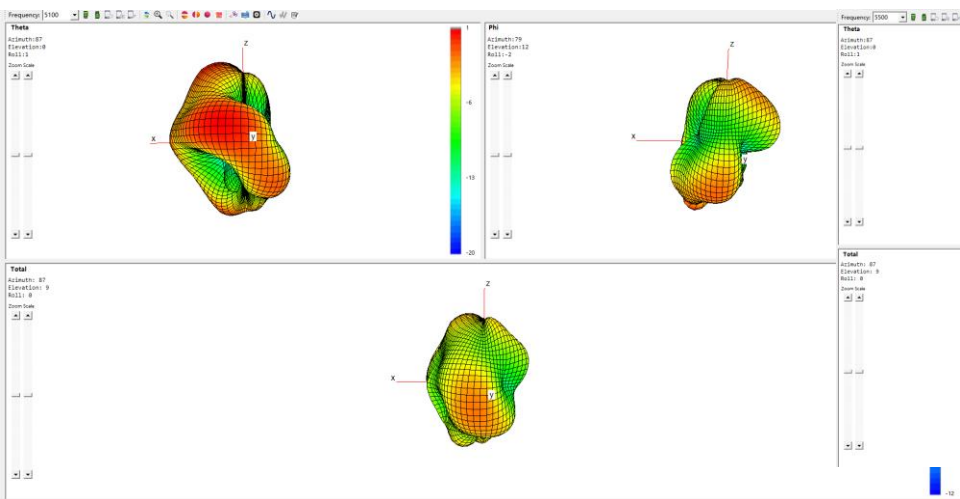
H



WIFI 2 5G: L

M

H



天线效率\增益

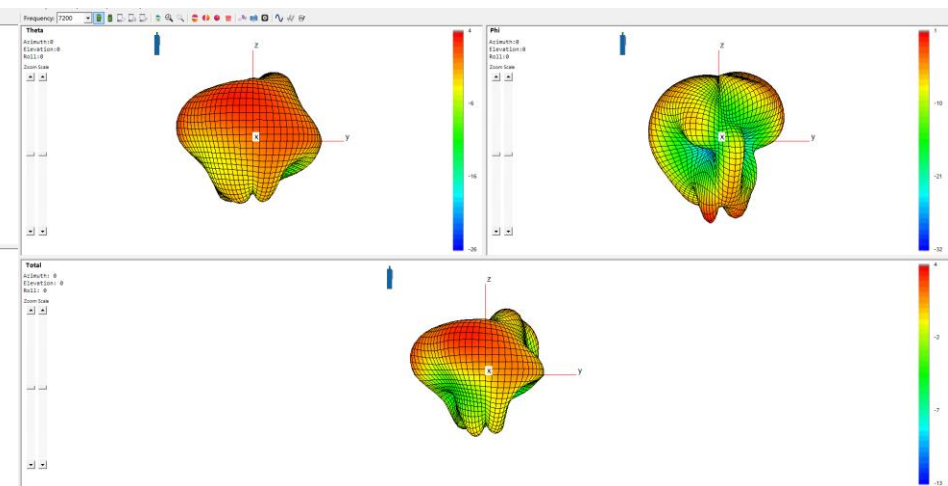
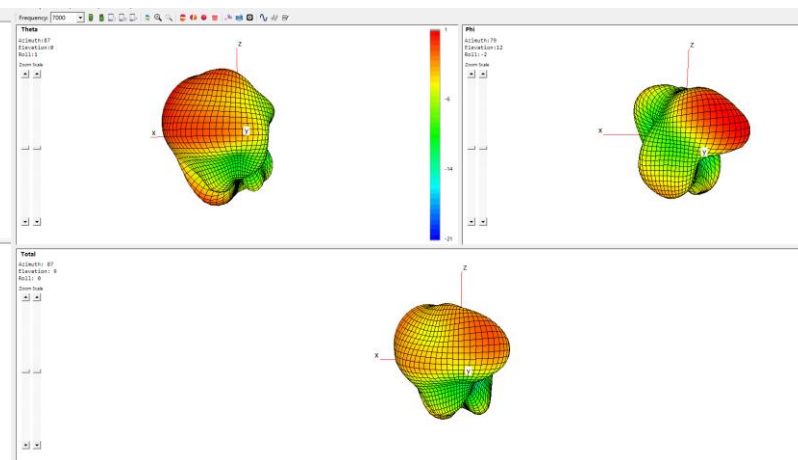
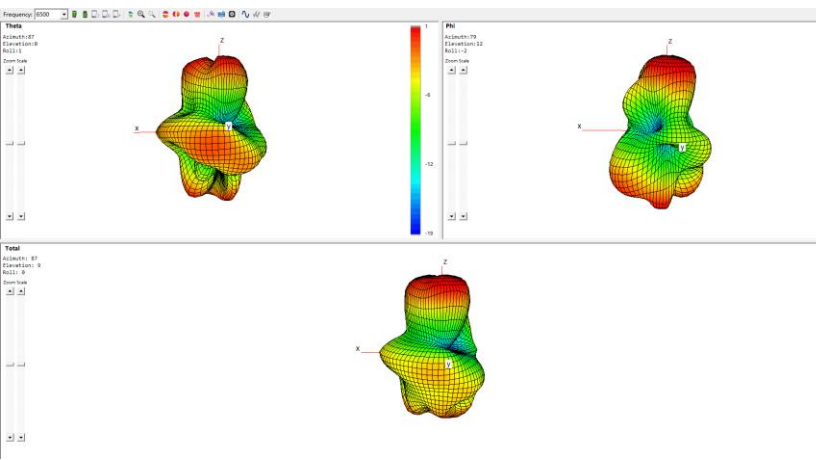
隔离度

WIFI 2 7G:

L

M

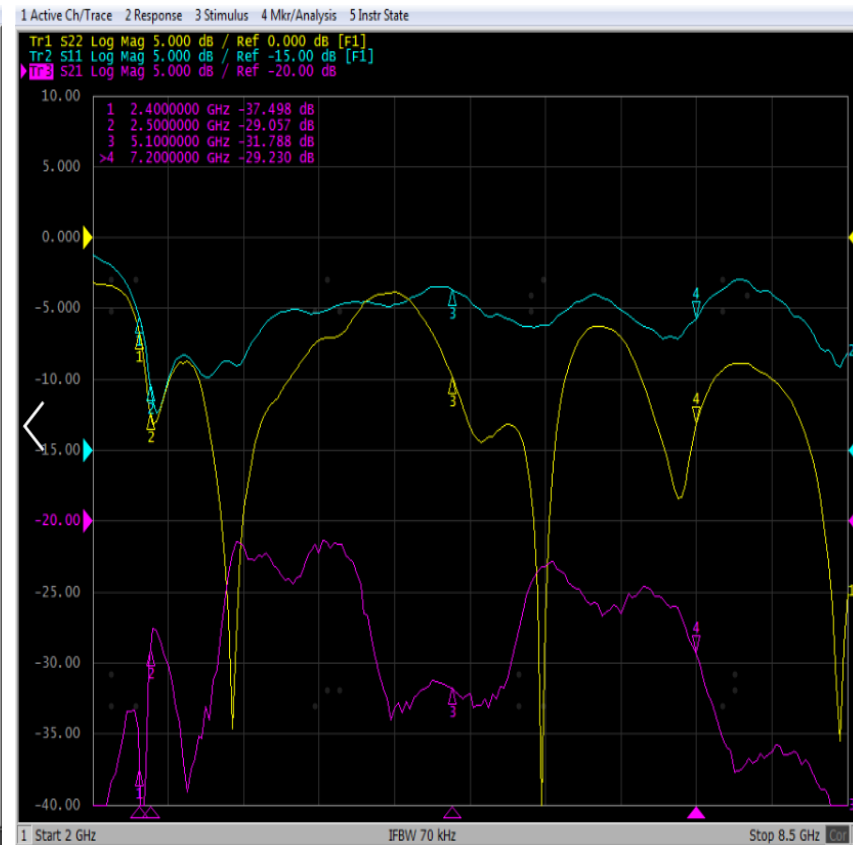
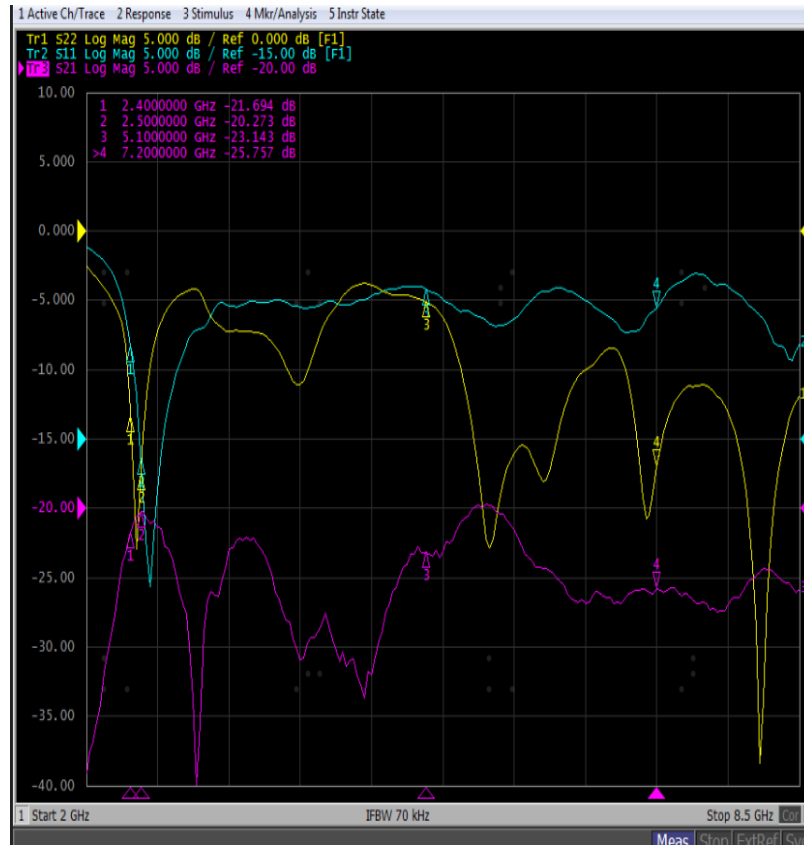
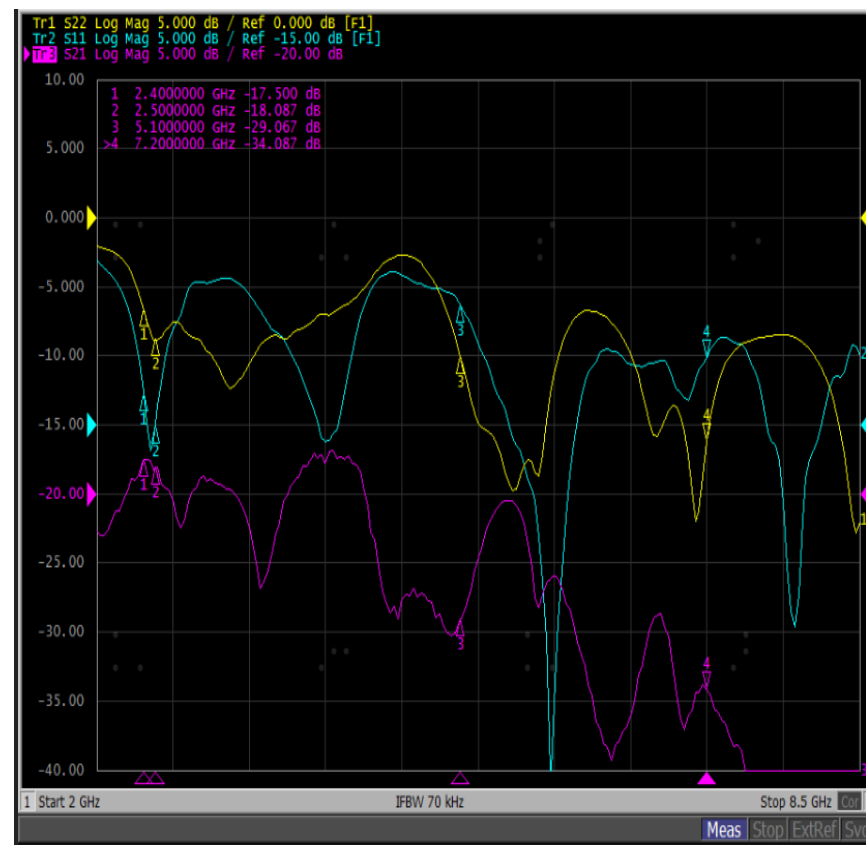
H



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

青岛市崂山区松岭路399号
No. 399, Songling Road, Laoshan District, Qingdao City

测试机构联系方式

丁市召 13370851021
Ding shizhao 13370851021

谢谢

