

Hisense



FIFA WORLD CUP  
Qatar 2022

2022世界杯™官方赞助商

MWH630B

# Antenna Test Report

2024.01.09

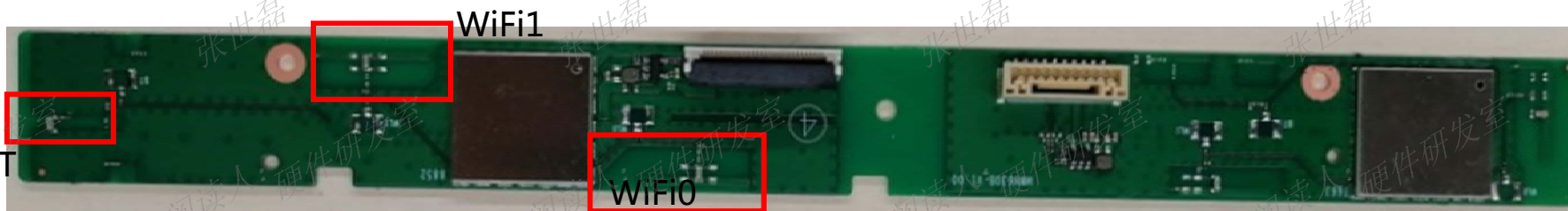
# ANT Property



WiFi0	
Antenna Type	IFA Antenna
Input	50Ω
Frequency	2.4~2.5GHz/5.15~5.85GHz
Return Loss	2.4GHz~2.5GHz : S11≤-10dB    5.15GHz~5.85GHz :
Peak Gain	2.52dBi@2.4~2.5GHz , 1.62dBi@5.15~5.85GHz
Efficiency	2.4~2.5GHz≥50%(Avg) , 5.15~5.85GHz≥50%(Avg)

BT	
Antenna Type	Slot Antenna
Input	50Ω
Frequency	2.4~2.5GHz
Return Loss	S11≤-3dB
Peak Gain	-2.69dBi
Efficiency	≥25%(Avg)

WiFi1	
Antenna Type	IFA Antenna
Input	50Ω
Frequency	2.4~2.5GHz/5.15~5.85GHz
Return Loss	2.4GHz~2.5GHz : S11≤-10dB    5.15GHz~5.85GHz :
Peak Gain	2.17dBi@2.4~2.5GHz , 0.8dBi@5.15~5.85GHz
Efficiency	2.4~2.5GHz≥45%(Avg) , 5.15~5.85GHz≥45%(Avg)



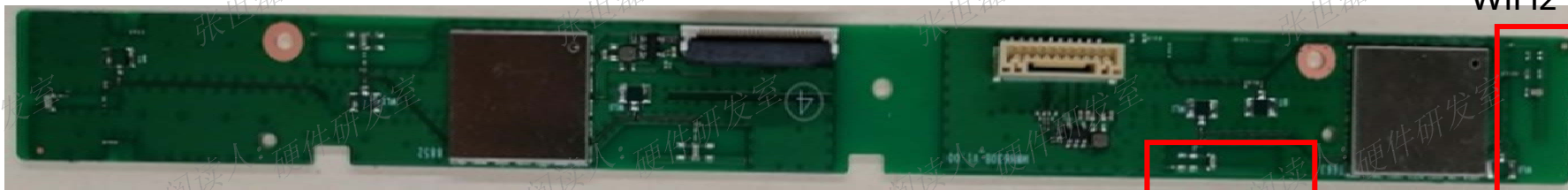
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# ANT Property



WiFi2	
Antenna Type	IFA Antenna
Input	50Ω
Frequency	2.4~2.5GHz/5.15~5.85GHz
Return Loss	2.4GHz~2.5GHz : S11≤-10dB    5.15GHz~5.85GHz :
Peak Gain	-0.6dBi@2.4~2.5GHz , -0.6dBi@5.15~5.85GHz
Efficiency	2.4~2.5GHz≥50%(Avg) , 5.15~5.85GHz≥50%(Avg)

WiFi3	
Antenna Type	IFA Antenna
Input	50Ω
Frequency	2.4~2.5GHz/5.15~5.85GHz
Return Loss	2.4GHz~2.5GHz : S11≤-10dB    5.15GHz~5.85GHz :
Peak Gain	1.73dBi@2.4~2.5GHz , 0.7dBi@5.15~5.85GHz
Efficiency	2.4~2.5GHz≥45%(Avg) , 5.15~5.85GHz≥45%(Avg)



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WiFi3

WiFi2

2

# ANT Directivity Pattern

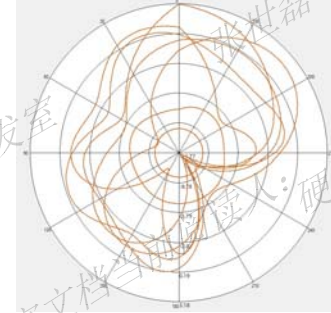
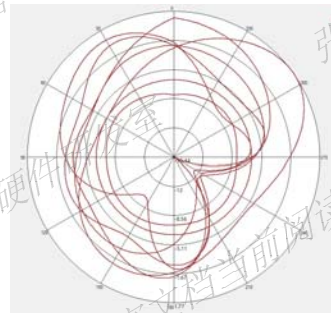
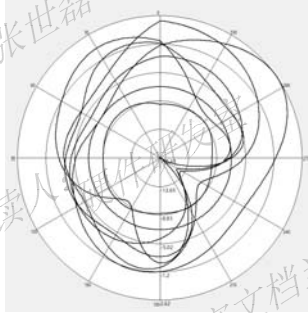


L Band

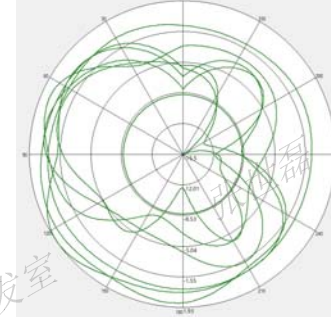
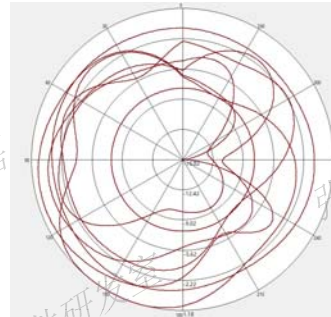
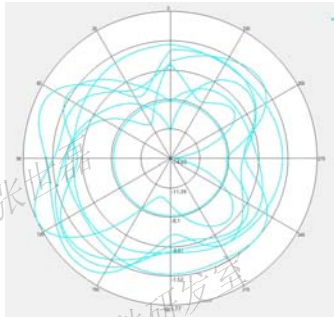
M Band

H Band

Wifi0 2.4G



Wifi0 5G



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# ANT Directivity Pattern

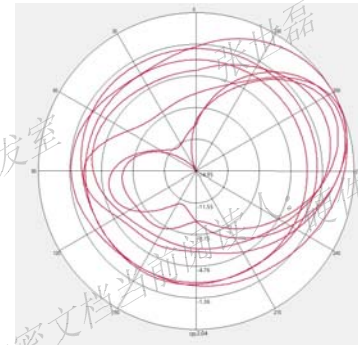
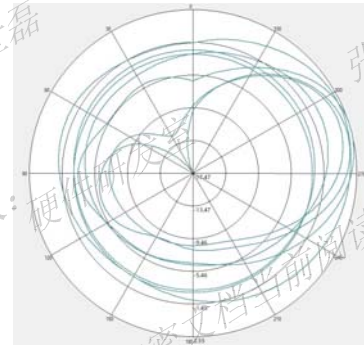
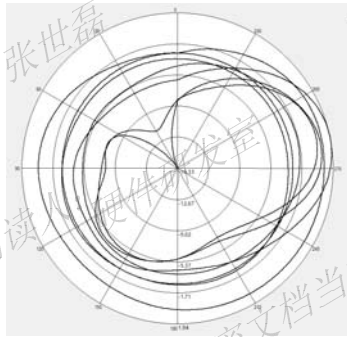


L Band

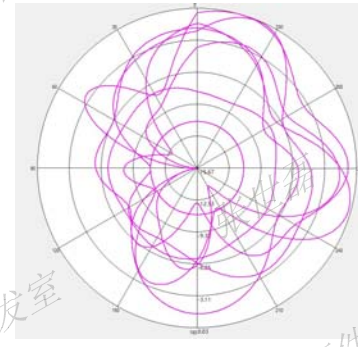
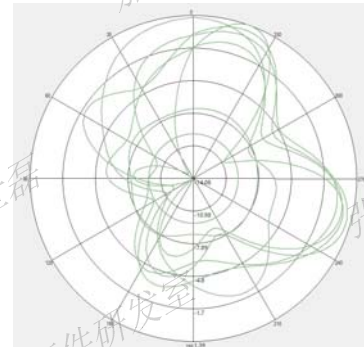
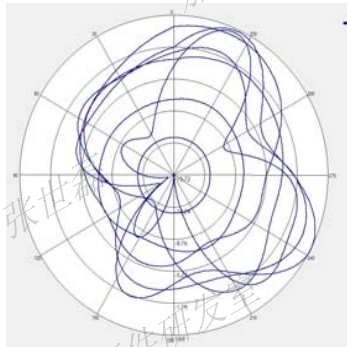
M Band

H Band

Wifi1 2.4G



Wifi1 5G



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# ANT Directivity Pattern

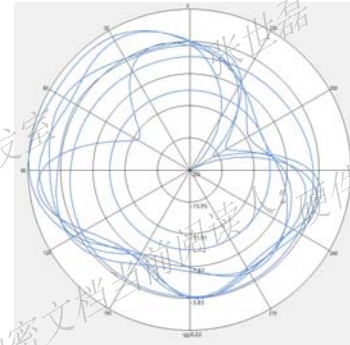
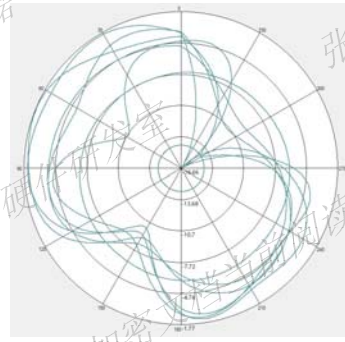
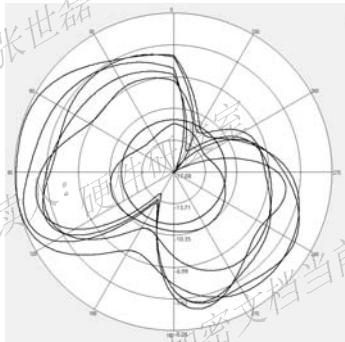


L Band

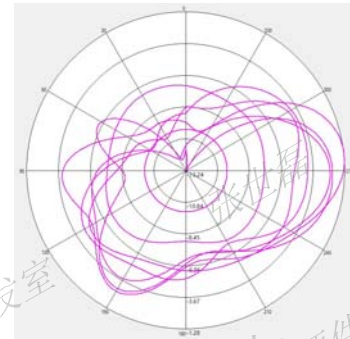
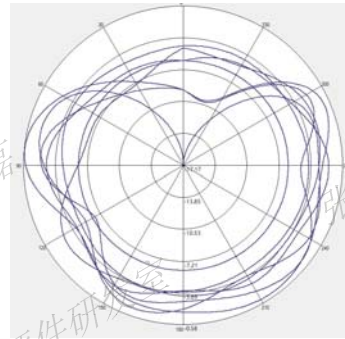
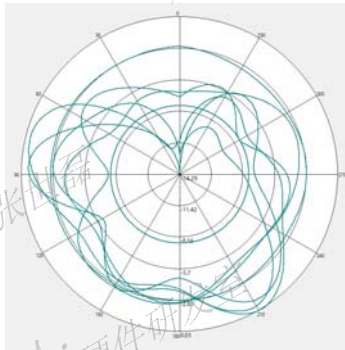
M Band

H Band

Wifi2 2.4G



Wifi2 5G



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# ANT Directivity Pattern

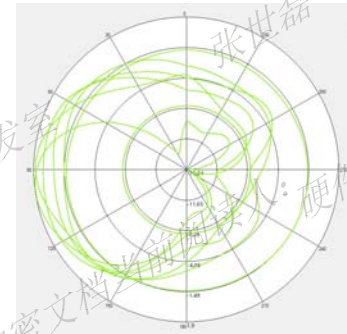
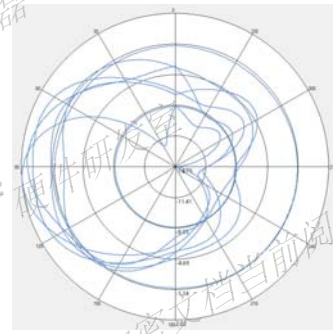
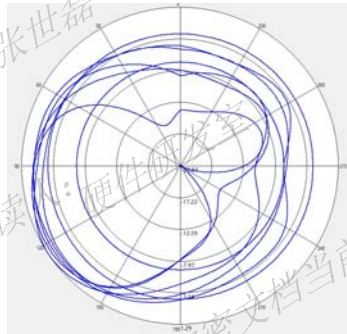


L Band

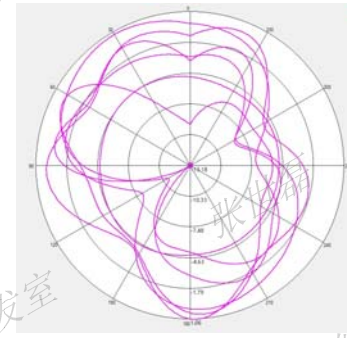
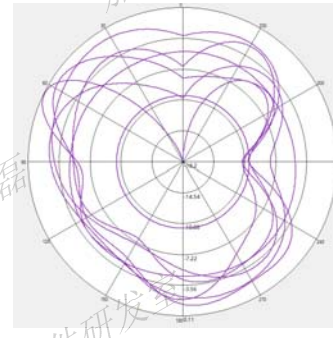
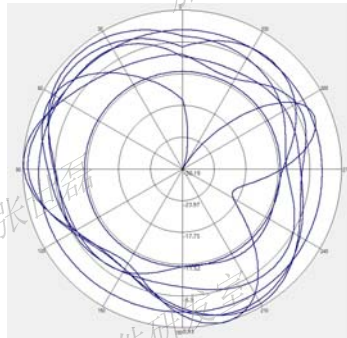
M Band

H Band

Wifi3 2.4G



Wifi3 5G

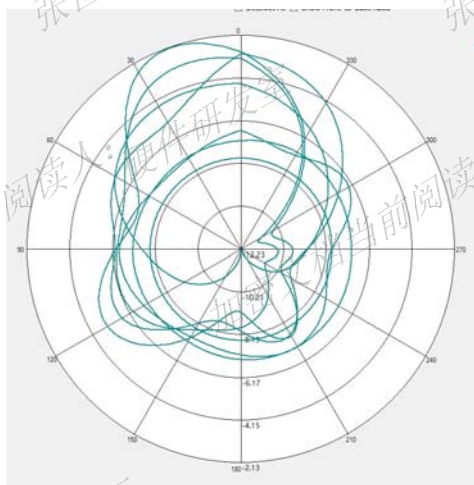


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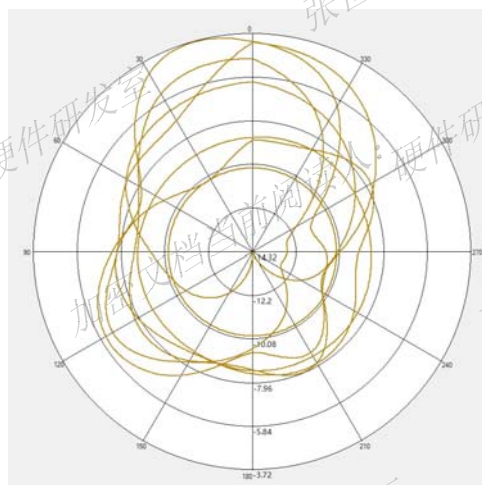
# ANT Directivity Pattern



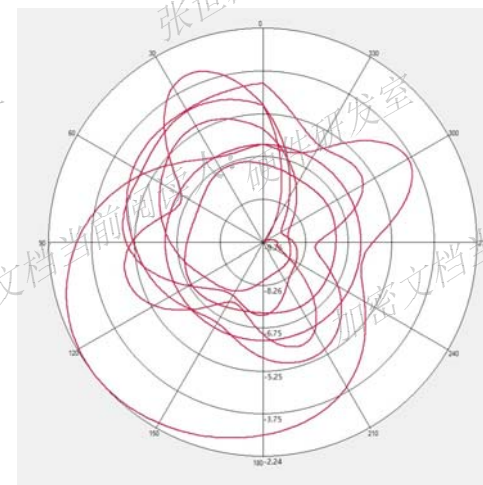
BT L Band



M Band



H Band



Qingdao Intelligent & Precise Electronics Co., Ltd.



# ANT Manufacturer



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THANKS