

Hisense



FIFA WORLD CUP
Qatar 2022

2022世界杯™官方赞助商



MWH428B

Antenna Test Report

2023.11.15

WiFi1	
Antenna Type	PIFA
Input impedance	50Ω
Frequency Band	2.4~2.5GHz/5.15~5.85GHz
Return Loss	2.4GHz~2.5GHz: $S_{11} \leq -10\text{dB}$ 5.15GHz~5.85GHz: $S_{11} \leq -6\text{dB}$.
Peak Gain	1.32dBi@2.4~2.5GHz , 2.58dBi@5.15~5.85GHz
Efficiency	2.4~2.5GHz $\geq 60\%$ (Avg) , 5.15~5.85GHz $\geq 52\%$ (Avg)

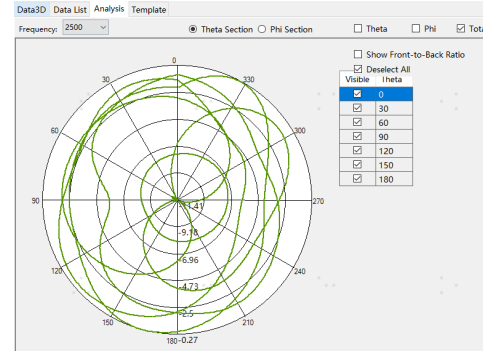
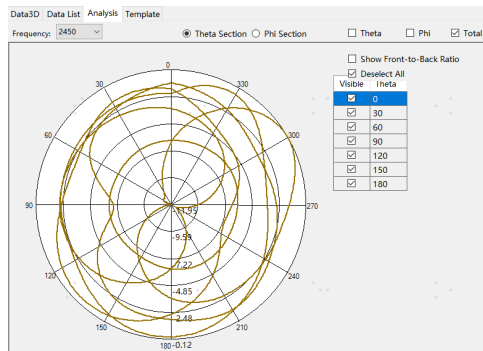
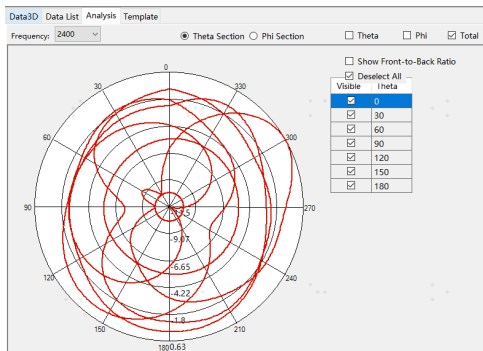
WiFi0	CH	Gain/dBi	Efficiency/%
2.4G	L	1.04	53.7
	M	0.38	51.2
	H	-0.25	51.7
5G	L	1.76	52.8
	M	1.43	62.8
	H	1.87	61.2

WiFi 2.4G: L Band

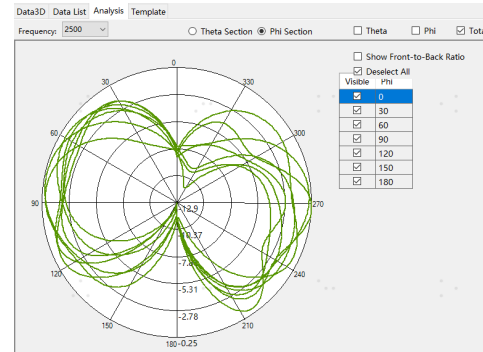
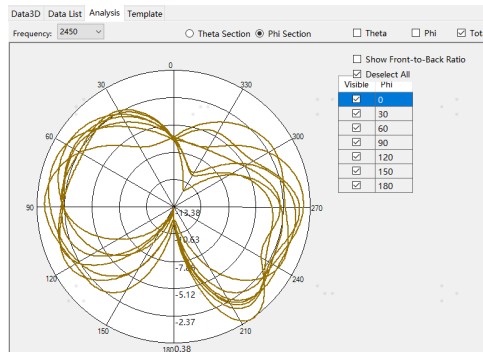
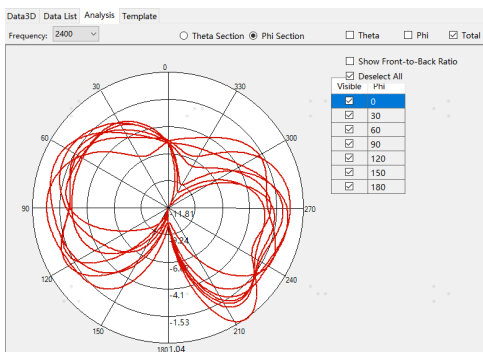
M Band

H Band

Theta
Section



Phi
Section

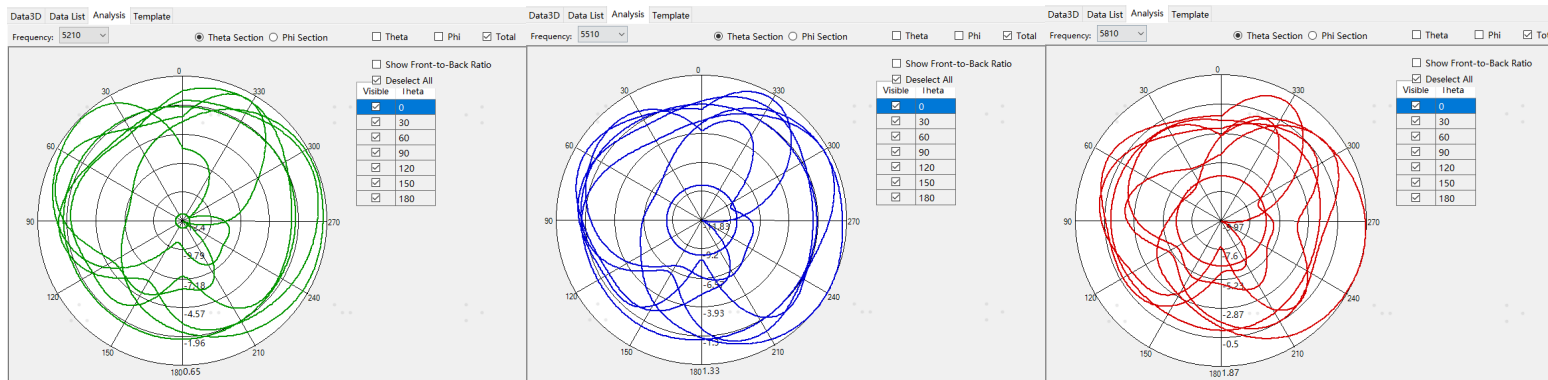


WiFi 5G: L Band

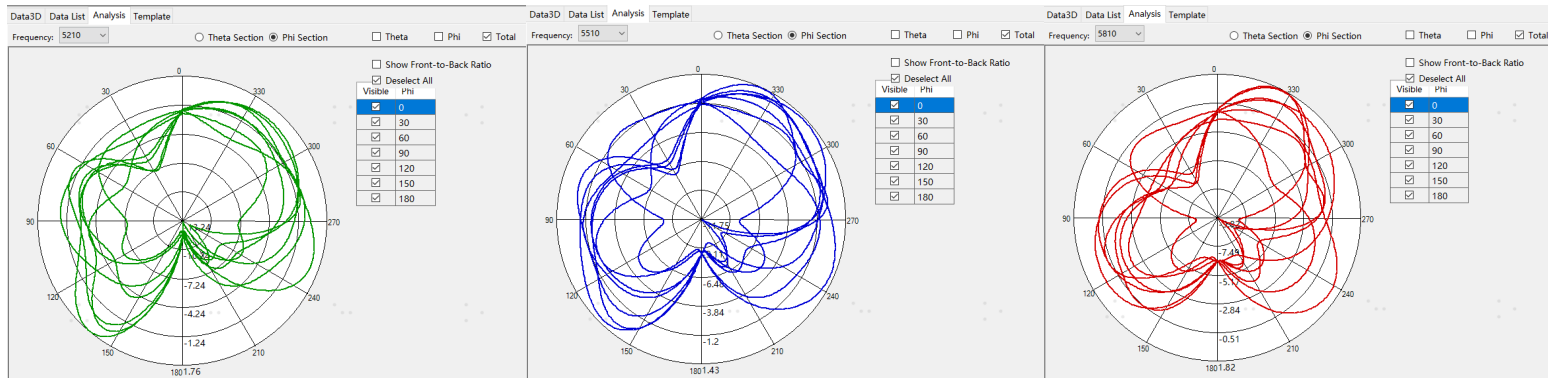
M Band

H Band

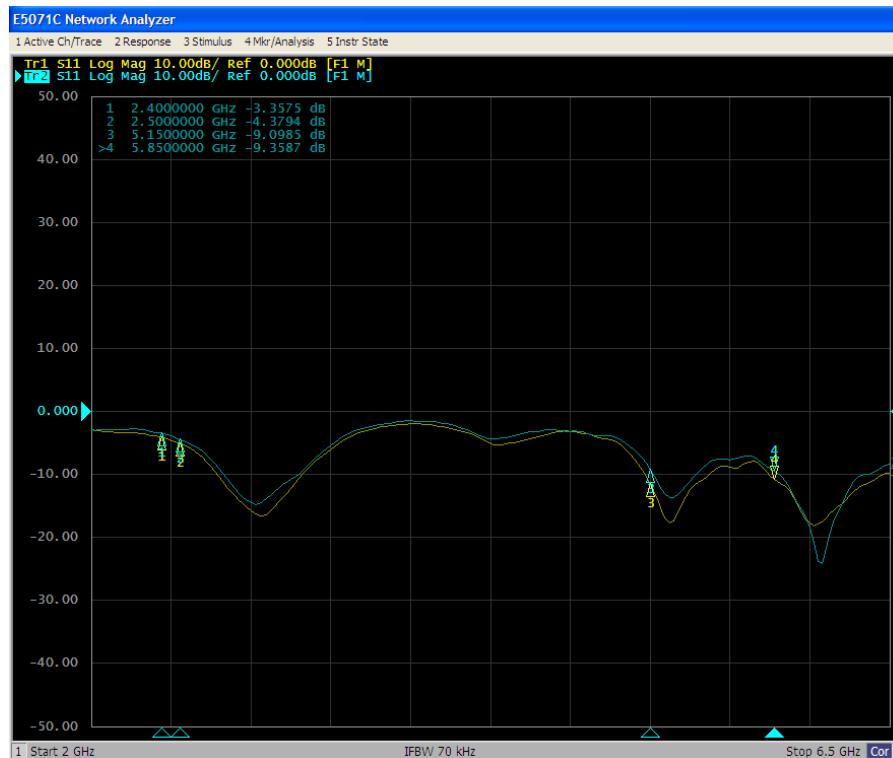
Theta
Section



Phi
Section



WiFi Antenna
2.4-2.5GHz < -3.3dB
5.15-5.85GHz < -9dB



Manufacturer

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THANKS