

Hisense



FIFA WORLD CUP
Qatar 2022

2022世界杯™官方赞助商



MWH409S

Antenna Test Report

2022.09.26

WiFi	
Antenna Type	PCB on-board Antenna
Input impedance	50Ω
Frequency Band	2.4~2.5GHz
Return Loss	S11< -10dB@2.4GHz~2.5GHz
Peak Gain	2.59dBi@2.4~2.5GHz
Efficiency	≥48%(Avg)@2.4~2.5GHz
Manufacturer	Hisense Communication Co., Ltd.
Address	Hisense Info. Industrial Park Economic Technology Dev. District
Contact information	Zhai Jinhui Tel: 18576790539



WiFi Antenna

ANT Efficiency

Frequency/MHz	Efficiency/dB	Efficiency/%	Gain
2400	-3.19	47.99	1.72
2450	-3.11	48.89	2.58
2480	-3.07	49.34	2.59

ANT Directivity Pattern

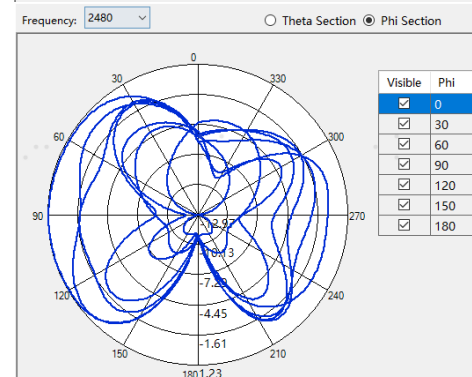
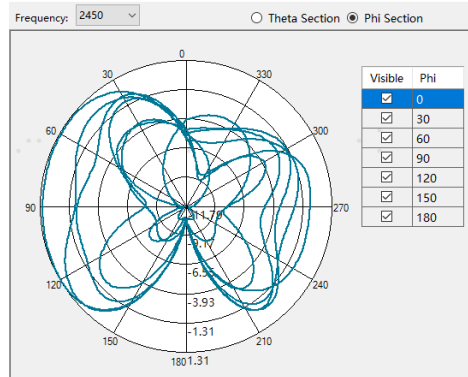
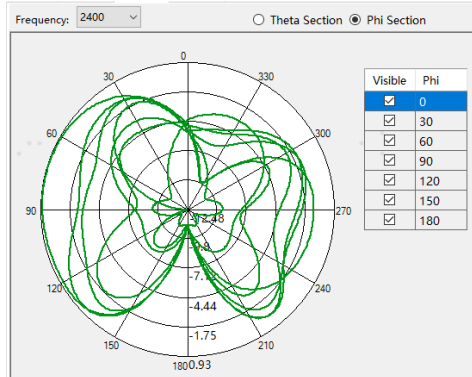
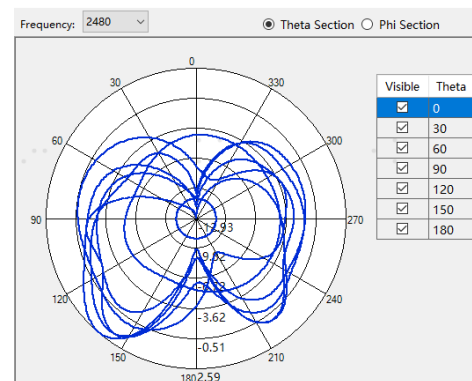
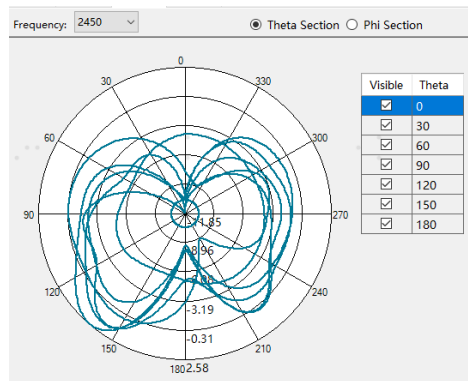
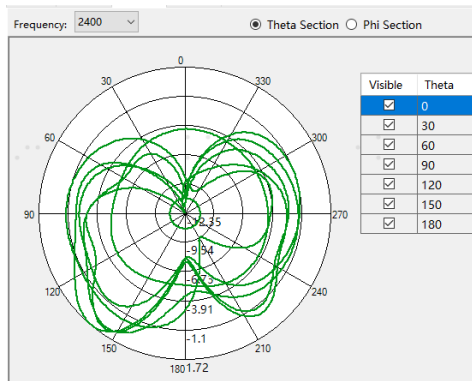
WiFi 2.4G: L Band

M Band

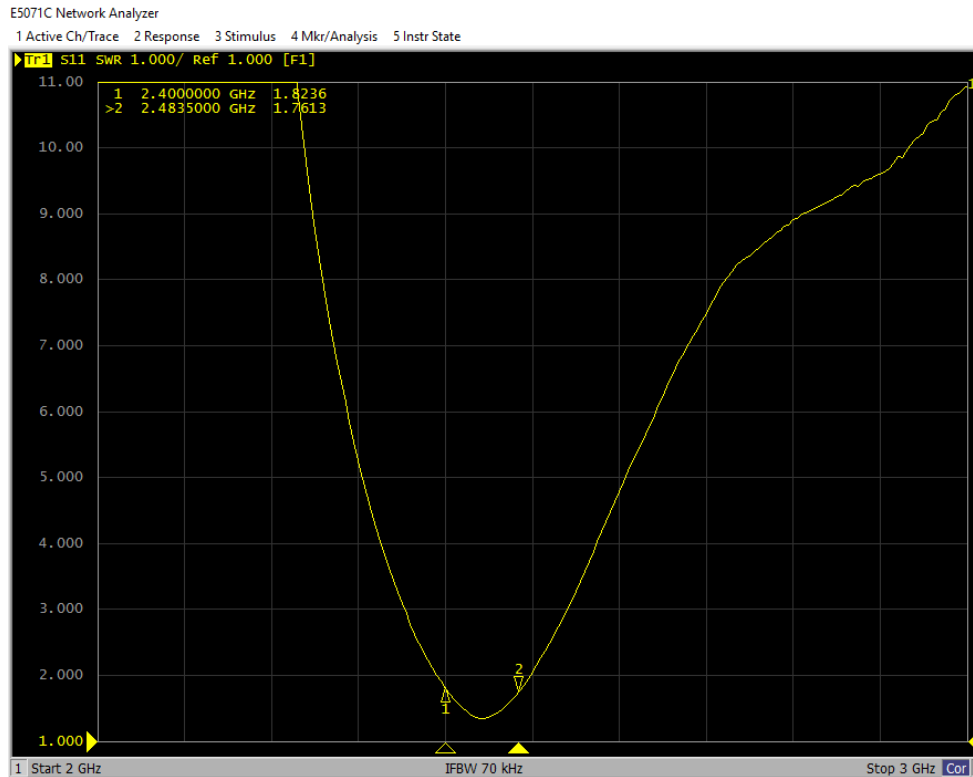
H Band

Theta Section

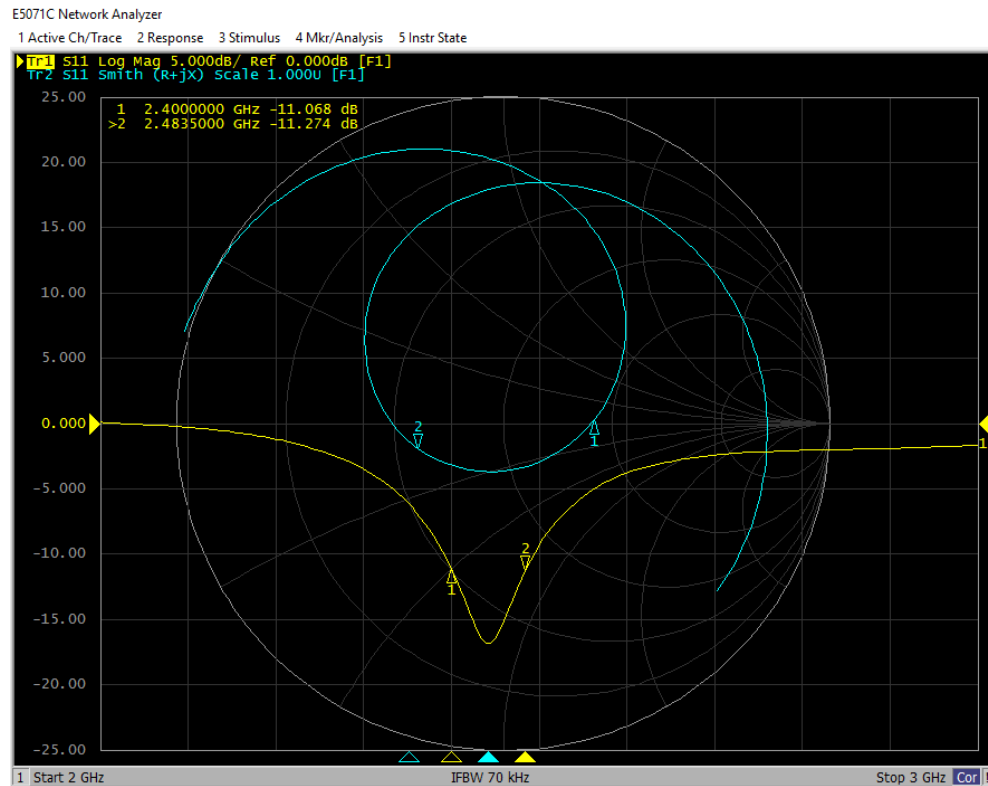
Phi Section



Wi-Fi Antenna
VSWR < 2.0



Wi-Fi Antenna
 $S_{11} < -10\text{dB}@2.4\text{-}2.5\text{GHz}$



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THANKS