

Hisense



FIFA WORLD CUP
Qatar 2022

2022世界杯™官方赞助商



MWH415S

Antenna Test Report

2023.03.18

WiFi	
Antenna model	MWH415S Monopole PCB Antenna
Input impedance	50Ω
Frequency Band	2.4~2.5GHz
Return Loss	S11<-10dB@2.4GHz~2.5GHz
Peak Gain	1.23dBi@2.4~2.5GHz
Efficiency	≥48%(Avg)@2.4~2.5GHz

Manufacturer: Qingdao Intelligent & Precise Electronics Co., Ltd.

Address: Building 1, No. 218 Qianwangang Road,
Qingdao Economic and Technological Development Zone, Shandong Province

Contact: Zhijinhui zhajinhui@hisense.com



WiFi Antenna

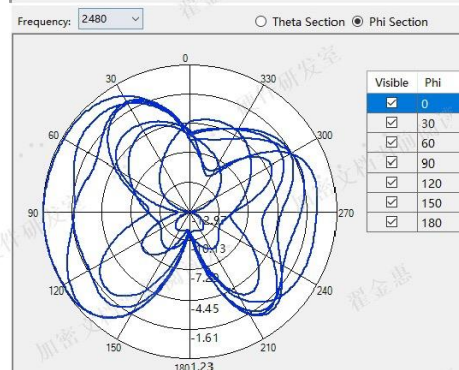
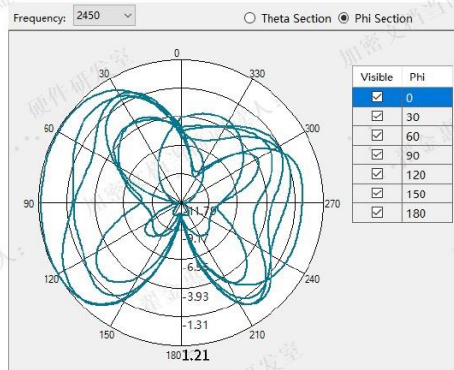
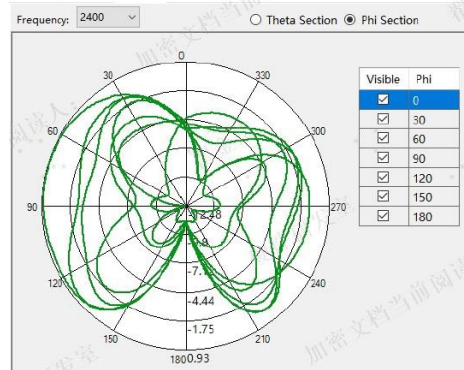
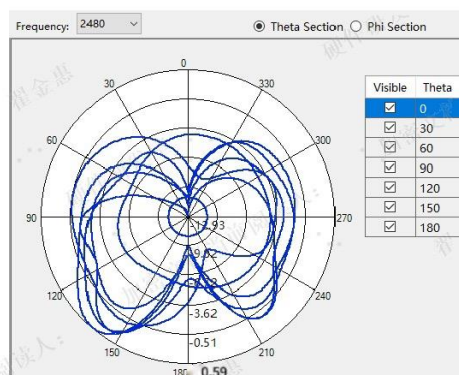
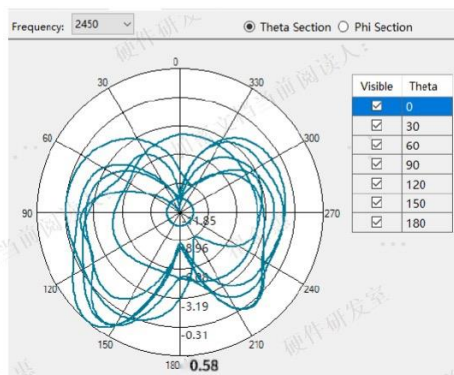
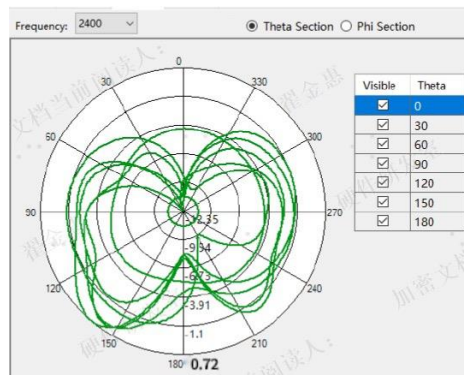
Frequency/MHz	Efficiency/dB	Efficiency/%	Gain
2400	-3.2	47.83	0.88
2410	-3.19	47.99	0.94
2420	-3.45	45.16	0.66
2430	-3.51	44.59	0.65
2440	-3.11	48.89	1.18
2450	-2.92	51.1	1.12
2460	-2.87	51.61	1.23
2470	-2.91	51.18	1.17
2480	-3.07	49.34	1.12
2490	-3.29	46.89	1.12
2500	-3.35	46.29	1.15

ANT Directivity Pattern

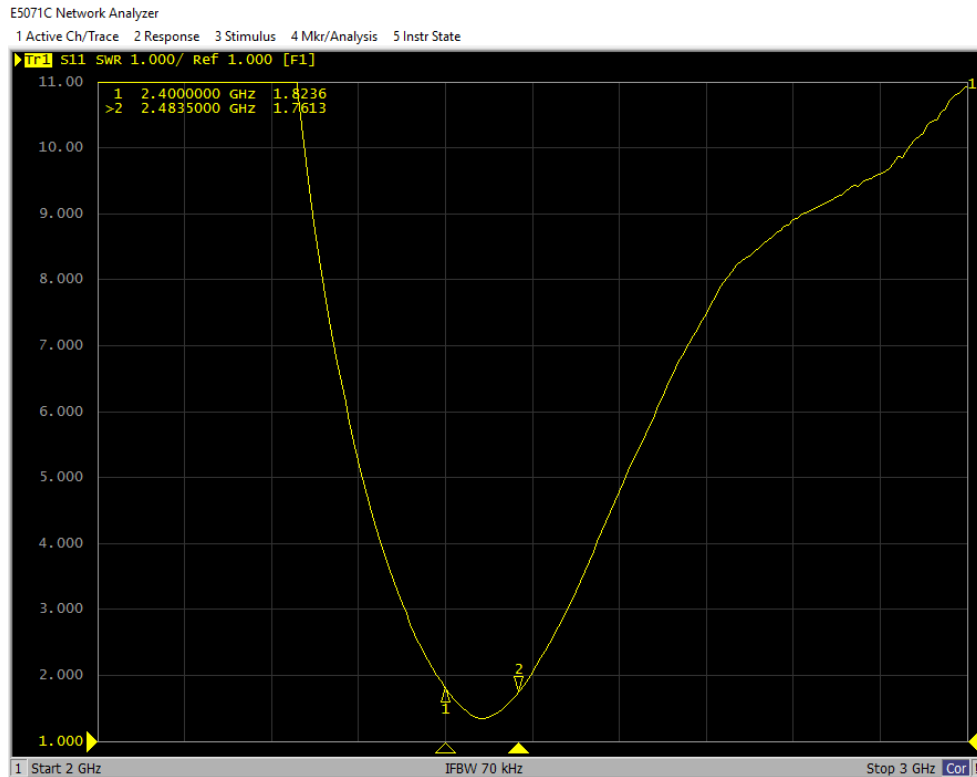
WiFi 2.4G: L Band

M Band

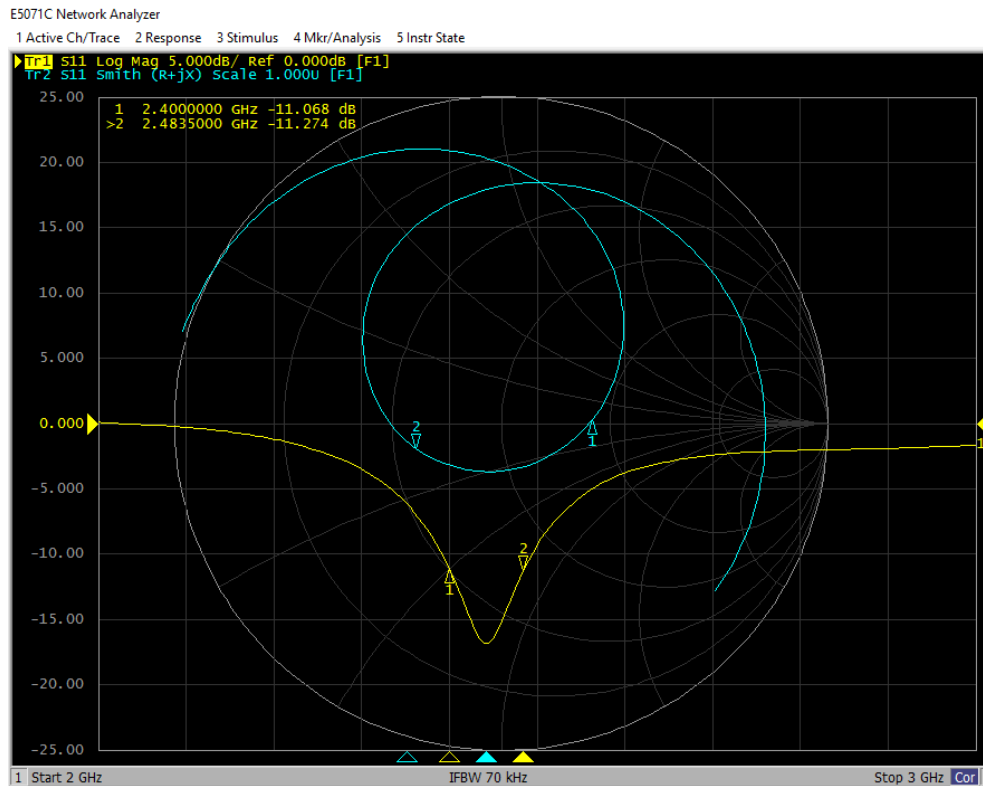
H Band



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