

Hisense



UEFA
EURO2024
GERMANY

2024欧洲杯™全球官方合作伙伴

MWH568S ANT Report

2025.12.20

WiFi0	
Antenna Type	Inverted F Antenna
Input impedance	50Ω
Frequency Band	2.4~2.5GHz/5.15~5.85GHz
Peak Gain	-1.3dBi@2.4~2.5GHz , 2.28dBi@5.15~5.85GHz
Efficiency	2.4~2.5GHz $\geq$ 40%(Avg) , 5.15~5.85GHz $\geq$ 50%(Avg)

WiFi1	
Antenna Type	Inverted F Antenna
Input impedance	50Ω
Frequency Band	2.4~2.5GHz/5.15~5.85GHz
Peak Gain	-2.72dBi@2.4~2.5GHz , 1.19dBi@5.15~5.85GHz
Efficiency	2.4~2.5GHz $\geq$ 45%(Avg) , 5.15~5.85GHz $\geq$ 40%(Avg)

WiFi1 5G

WiFi0 5G

Freq	Freq Efficiency_dB	Freq Efficiency(%)	Gain
5000	-4.27	37.43	-0.52
5020	-4.26	37.51	-0.28
5040	-3.82	41.52	0.3
5060	-3.97	40.06	0.26
5080	-3.64	43.29	1.19
5100	-3.45	45.21	2.28
5120	-3.84	41.32	1.52
5140	-3.93	40.5	1.15
5160	-4.06	39.3	0.94
5180	-4.35	36.69	0.61
5200	-4.38	36.49	0.68
5220	-4.23	37.77	0.9
5240	-4.61	34.59	0.61
5260	-4.2	38.02	1.27
5280	-4.48	35.63	0.91
5300	-4.26	37.46	0.95
5320	-3.99	39.93	1.25
5340	-4.79	33.19	0.68
5360	-4.14	38.58	1.29
5380	-4.36	36.62	1.17
5400	-4.27	37.44	1.14
5420	-4.06	39.24	1.4
5440	-4.89	32.44	0.72
5460	-4.32	37	1.31
5480	-4.4	36.3	1.11
5500	-4.48	35.64	1.05
5520	-3.78	41.92	1.69
5540	-4.17	38.27	1.29
5560	-3.9	40.77	1.34
5580	-3.75	42.19	1.51
5600	-3.83	41.39	1.29
5620	-3.43	45.41	1.71
5640	-3.28	46.95	2
5660	-3.11	48.86	1.86
5680	-3	50.08	2.05
5700	-3.35	46.25	1.57
5720	-2.8	52.47	2.29
5740	-2.73	53.31	2.2
5760	-3.11	48.92	1.89
5780	-2.6	54.9	2.24
5800	-3.23	47.51	1.6
5820	-2.89	51.46	2.03
5840	-2.76	52.92	1.95
5860	-2.91	51.21	1.68
5880	-2.3	58.94	2.17
5900	-2.64	54.48	1.79
5920	-2.41	57.35	2
5940	-2.65	54.31	1.84
5960	-2.54	55.67	1.84
5980	-2.33	58.45	2.06
6000	-2.56	55.43	1.92

WiFi1 2.4G

Freq	Freq Efficiency_dB	Freq Efficiency(%)	Gain
2400	-6.44	22.68	-2.72
2410	-6.49	22.42	-2.74
2420	-6.82	20.81	-3.01
2430	-6.85	20.67	-3.35
2440	-6.52	22.3	-3.55
2450	-6.45	22.64	-3.75
2460	-6.45	22.66	-3.75
2470	-6.48	22.52	-3.68
2480	-6.51	22.31	-3.79
2490	-6.71	21.33	-4.05
2500	-6.76	21.06	-4.22

WiFi0 2.4G

Freq	Freq Efficiency_dB	Freq Efficiency(%)	Gain
2400	-5.42	28.73	-1.33
2410	-5.53	28.01	-1.3
2420	-5.9	25.7	-1.61
2430	-5.96	25.36	-1.91
2440	-5.7	26.93	-1.97
2450	-5.68	27.01	-1.8
2460	-5.68	27.04	-1.87
2470	-5.67	27.1	-1.8
2480	-5.69	27	-1.66
2490	-5.84	26.03	-1.84
2500	-5.85	26	-1.81

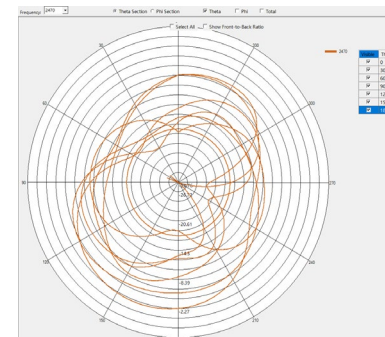
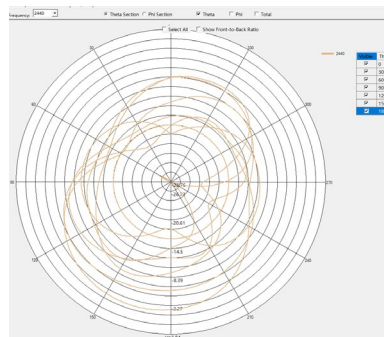
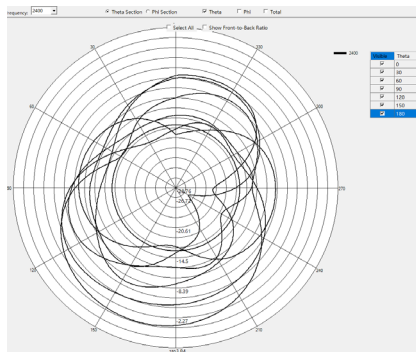
Freq	Freq Efficiency_dB	Freq Efficiency(%)	Gain
5000	-3.97	40.08	-0.49
5020	-3.98	39.98	-0.4
5040	-3.59	43.75	0.2
5060	-3.63	43.39	0.09
5080	-3.18	48.07	0.24
5100	-3.19	47.95	0.58
5120	-3.48	44.88	-0.03
5140	-3.42	45.5	-0.11
5160	-3.46	45.09	-0.05
5180	-3.77	41.93	-0.38
5200	-3.72	42.44	-0.34
5220	-3.51	44.57	0
5240	-3.93	40.47	-0.49
5260	-3.49	44.74	0.11
5280	-3.62	43.42	0.02
5300	-3.28	46.96	0.42
5320	-3.03	49.76	0.46
5340	-3.73	42.4	-0.38
5360	-2.96	50.55	0.23
5380	-3.2	47.86	0.02
5400	-3.07	49.26	0.16
5420	-2.8	52.51	0.48
5440	-3.6	43.69	-0.39
5460	-3.08	49.2	0.14
5480	-3.08	49.16	0.05
5500	-3.12	48.8	0.03
5520	-2.47	56.6	0.57
5540	-2.95	50.7	0.13
5560	-2.71	53.64	0.35
5580	-2.6	54.95	0.45
5600	-2.81	52.36	0.22
5620	-2.48	56.47	0.61
5640	-2.45	56.9	0.85
5660	-2.34	58.4	0.73
5680	-2.27	59.23	0.97
5700	-2.63	54.55	0.65
5720	-2.16	60.87	1.16
5740	-2.17	60.65	1.09
5760	-2.6	54.98	0.77
5780	-2.23	59.8	1.19
5800	-2.95	50.74	0.32
5820	-2.73	53.33	0.55
5840	-2.7	53.67	0.59
5860	-2.97	50.49	0.25
5880	-2.43	57.09	0.85
5900	-2.84	52.03	0.49
5920	-2.75	53.14	0.65
5940	-3.11	48.83	0.33
5960	-3.13	48.67	0.44
5980	-3.01	50.03	0.68
6000	-3.38	45.96	0.38

WiFi0 2.4G: L Band

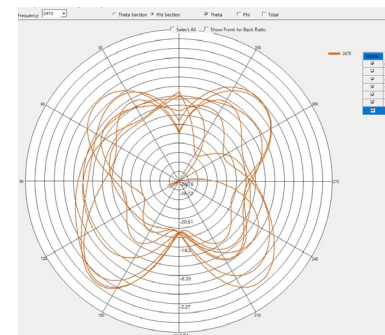
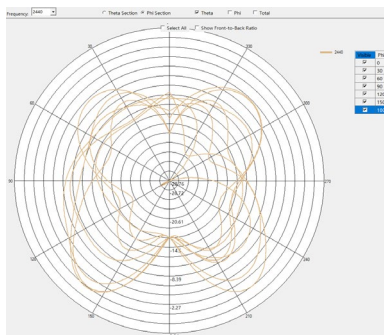
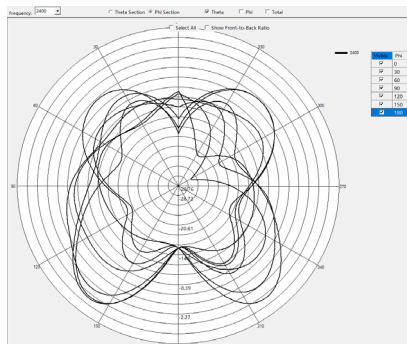
M Band

H Band

Theta
Section



Phi
Section



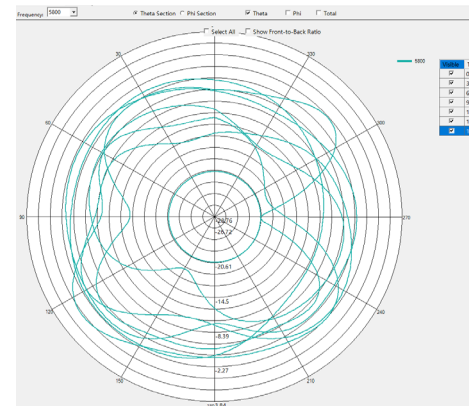
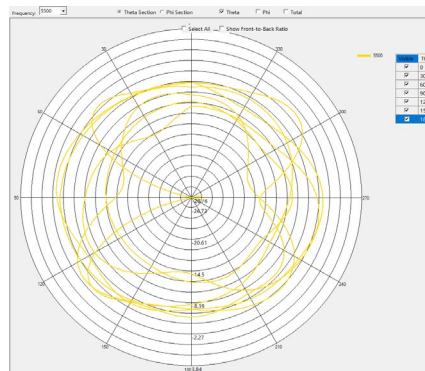
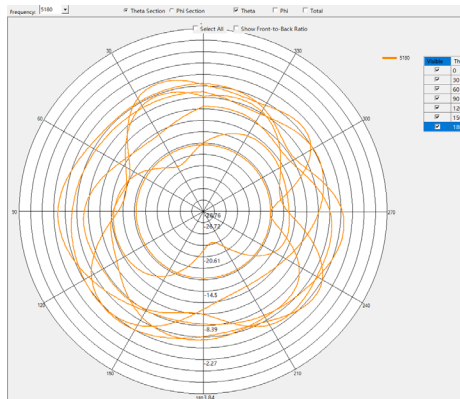
ANT Directivity Pattern

WiFi0 5G: L Band

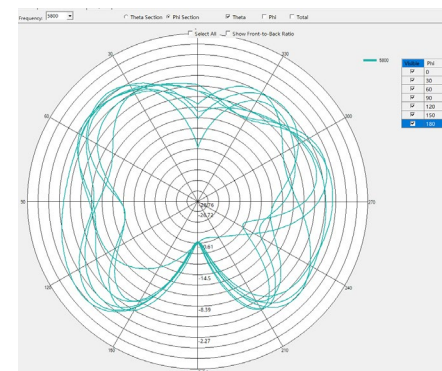
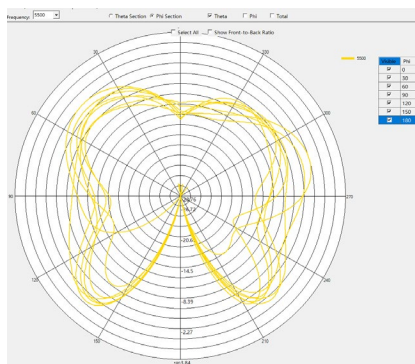
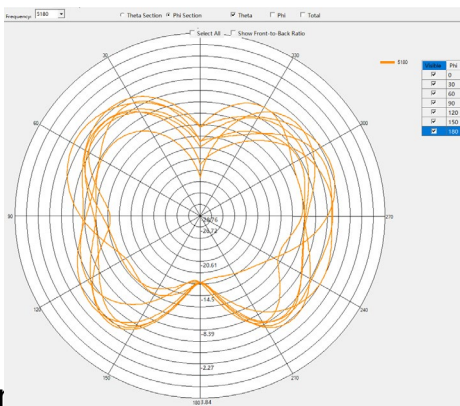
M Band

H Band

Theta
Section



Phi
Section



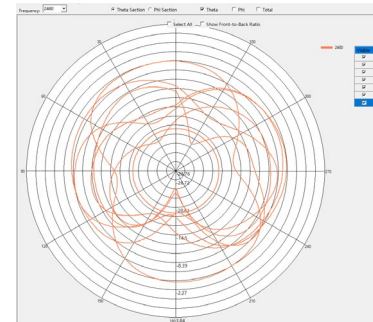
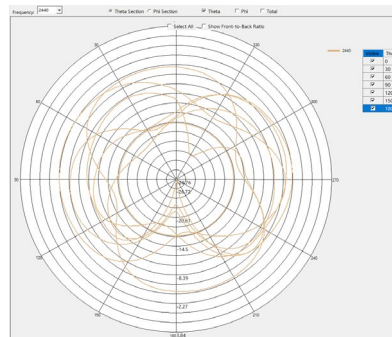
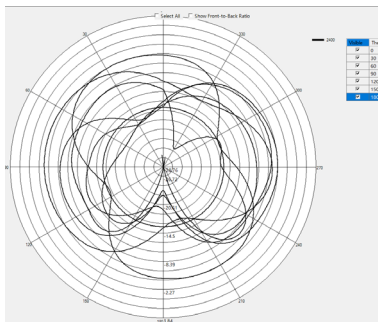
ANT Directivity Pattern

WiFi1 2.4G: L Band

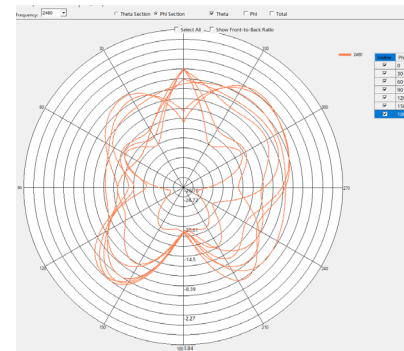
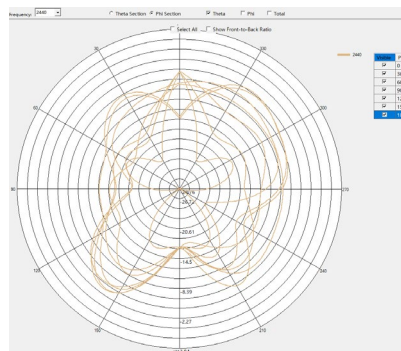
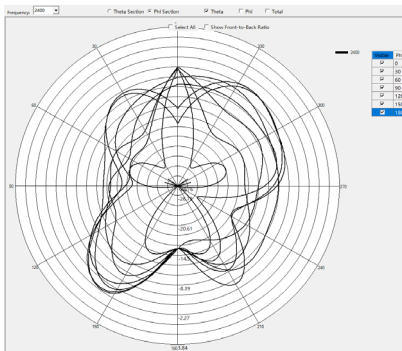
M Band

H Band

Theta
Section



Phi
Section



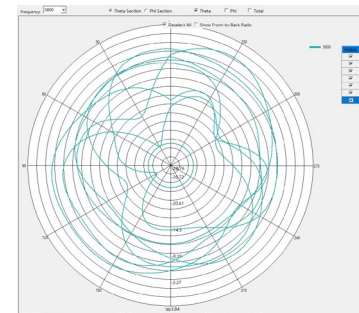
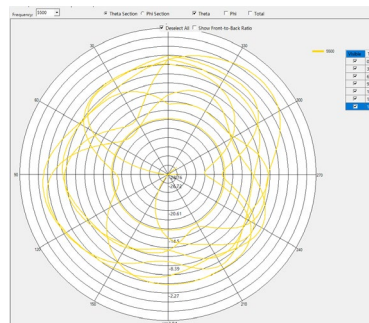
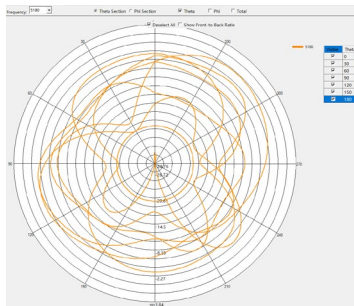
ANT Directivity Pattern

WiFi1 5G: L Band

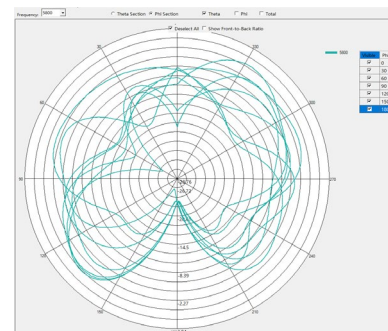
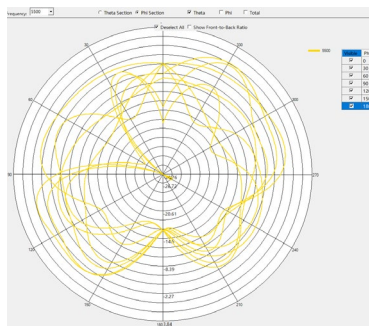
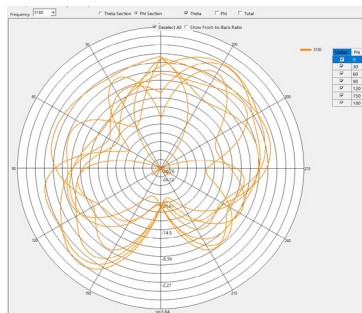
M Band

H Band

Theta
Section



Phi
Section

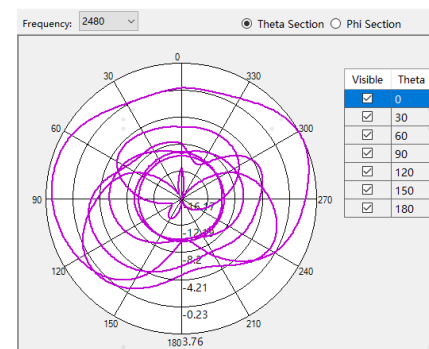
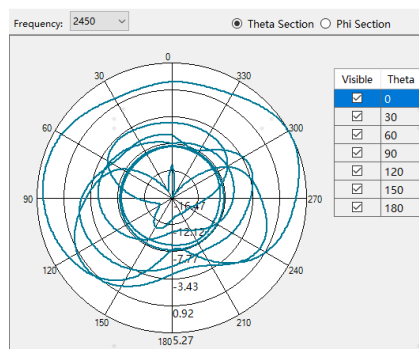
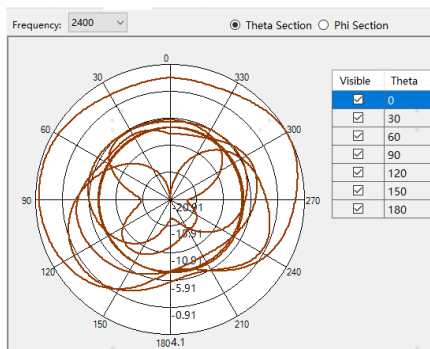


BT 2.4G: L Band

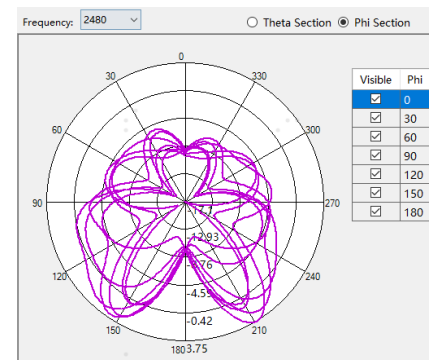
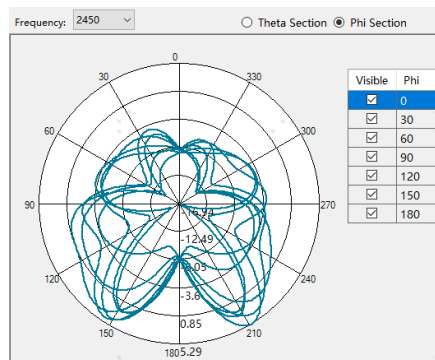
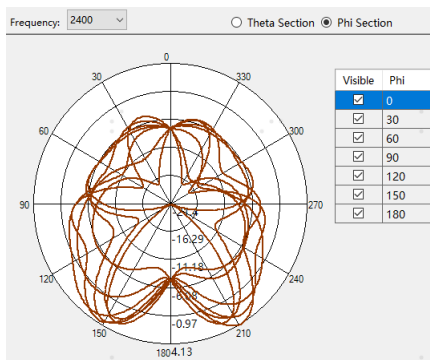
M Band

H Band

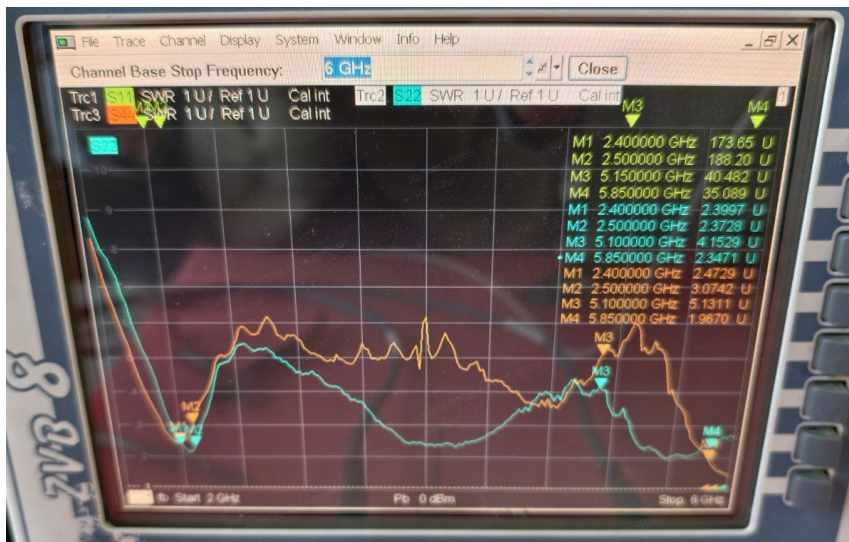
Theta
Section



Phi
Section



WiFi0/1 Antenna



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