

Feature

- ※ High gain
- ※ Omani-directional
- ※ Wide bandwidth

Application

K1 配置

- ※ WIFI 2.4G
- WIFI 5G
- WIFI 6G

communication applications

※Antenna manufacturer

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5

Building 6 floor

Chongqing R&D Center Address: C08-1 Building-1, No. 19 Xiantao Data Valley East Road,
Yubei District, Chongqing

※Antenna type

Electric Specifications

TYPE	FPC
Transmitter Frequency	WIFI 2.4G:2412~2472 MHz WIFI 5G:5180~5825 MHz WIFI 6G:5925~7125 MHz Bluetooth:2402 - 2480 MHz

Receiver Frequency	WIFI 2.4G:2412~2472 MHz WIFI 5G:5180~5825 MHz WIFI 6G:5925~7125 MHz Bluetooth:2402 - 2480 MHz																										
RF-Output Power (E.I.R.P)																											
Antenna Gain(Main)	<table><tr><td>2.4G BT</td><td>2.4~2.4835GHz</td><td>WiFi0:2.19dBi</td></tr><tr><td>2.4G WLAN</td><td>2.4~2.4835GHz</td><td>WiFi0:2.19dBi WiFi1:2.02dBi</td></tr><tr><td rowspan="5">5G WLAN</td><td>5.15~5.25GHz</td><td>WiFi0:0.93dBi WiFi1:0.8dBi</td></tr><tr><td>5.25~5.35GHz</td><td>WiFi0:1.04dBi WiFi1:1.44dBi</td></tr><tr><td>5.47~5.725GHz</td><td>WiFi0:1.6dBi WiFi1:1.79dBi</td></tr><tr><td>5.725~5.825GHz</td><td>WiFi0:1.96dBi WiFi1:1.89dBi</td></tr><tr><td>5.725~5.850GHz</td><td>WiFi0:1.96dBi WiFi1:1.89dBi</td></tr><tr><td rowspan="4">6G WLAN</td><td>5.925~6.425G</td><td>WiFi0:3.18dBi WiFi1:1.63dBi</td></tr><tr><td>6.425~6.525G</td><td>WiFi0:3.56dBi WiFi1:2.26dBi</td></tr><tr><td>6.525~6.875G</td><td>WiFi0:3.78dBi WiFi1:2.26dBi</td></tr><tr><td>6.875~7.125G</td><td>WiFi0:0.65dBi WiFi1:1.06dBi</td></tr></table>	2.4G BT	2.4~2.4835GHz	WiFi0:2.19dBi	2.4G WLAN	2.4~2.4835GHz	WiFi0:2.19dBi WiFi1:2.02dBi	5G WLAN	5.15~5.25GHz	WiFi0:0.93dBi WiFi1:0.8dBi	5.25~5.35GHz	WiFi0:1.04dBi WiFi1:1.44dBi	5.47~5.725GHz	WiFi0:1.6dBi WiFi1:1.79dBi	5.725~5.825GHz	WiFi0:1.96dBi WiFi1:1.89dBi	5.725~5.850GHz	WiFi0:1.96dBi WiFi1:1.89dBi	6G WLAN	5.925~6.425G	WiFi0:3.18dBi WiFi1:1.63dBi	6.425~6.525G	WiFi0:3.56dBi WiFi1:2.26dBi	6.525~6.875G	WiFi0:3.78dBi WiFi1:2.26dBi	6.875~7.125G	WiFi0:0.65dBi WiFi1:1.06dBi
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Antenna Gain(Div)																											
Power of antenna:																											
Type of Modulation																											

TWO-in-one antenna

WIFI0

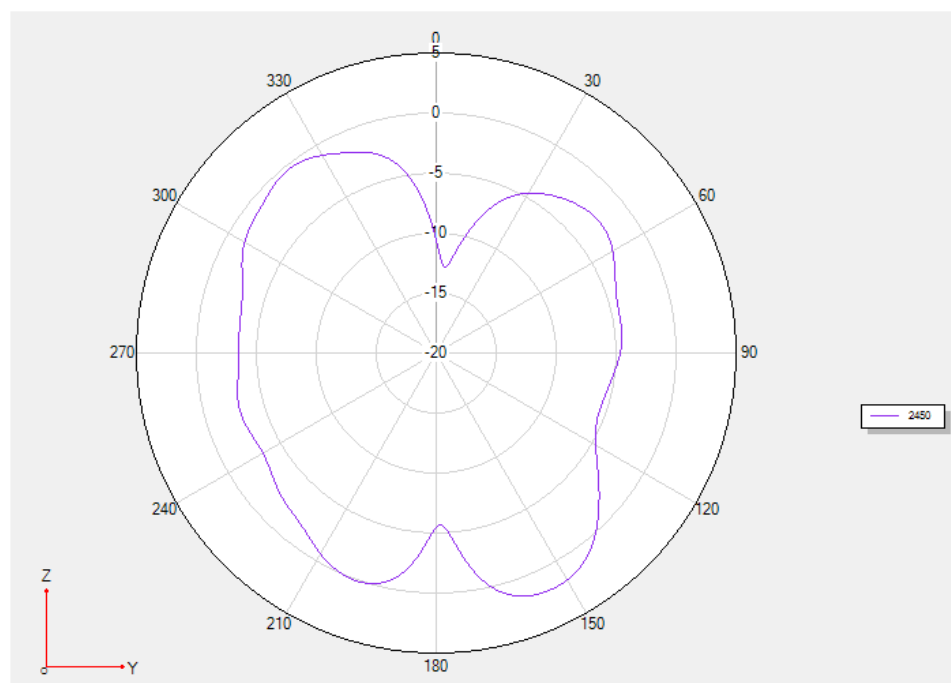
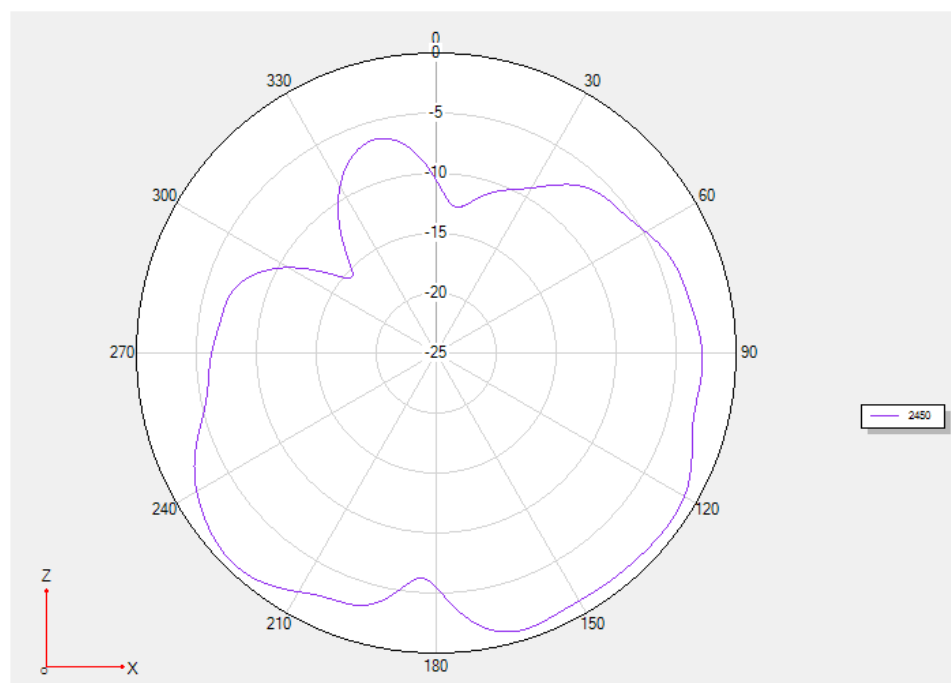
WIFI 2.4G &5G

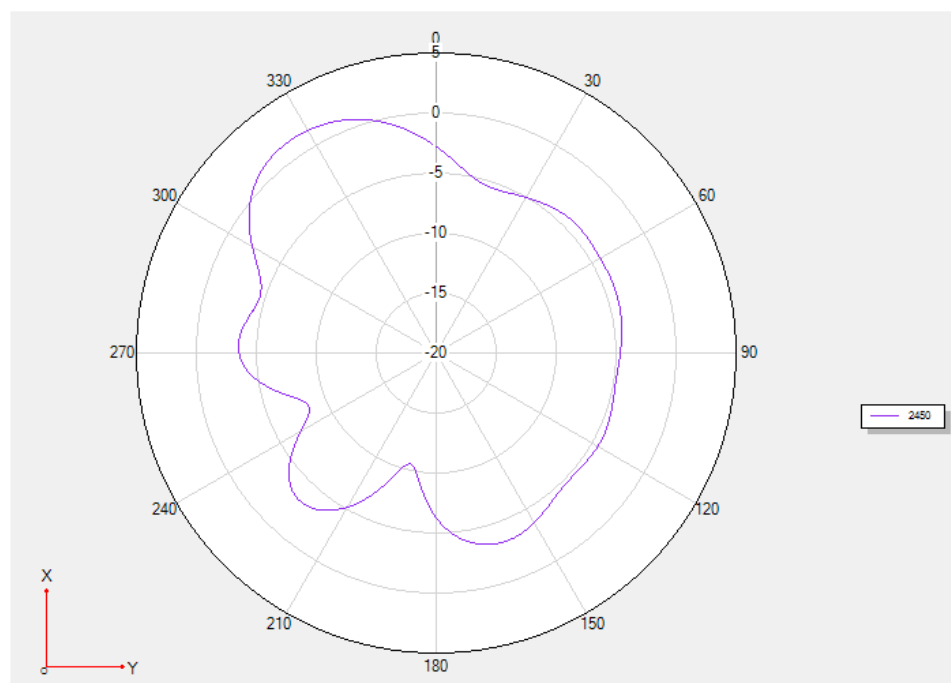
WiFi0

frequency/ MHz	MaxGain/dBi	AvgGain/dBi	Efficiency / %	frequency/ MHz	MaxGain/dB	AvgGain/dB	Efficiency
2400	0.09	-5.22	31.57	5900	1.62	-5.62	41.13
2410	0.31	-4.95	33.82	5950	1.87	-5.56	41.70
2420	0.68	-4.55	36.84	6000	1.79	-5.83	39.18
2430	1.06	-4.25	37.00	6050	2.28	-5.85	39.00
2440	1.68	-3.88	37.26	6100	2.63	-5.72	40.19
2450	2.01	-3.86	38.66	6150	3.18	-5.69	40.47
2460	2.09	-3.83	38.93	6200	2.33	-6.42	34.20
2470	2.19	-3.67	38.21	6250	1.85	-6.99	30.00
2480	2.19	-3.64	37.95	6300	2.30	-6.38	34.52
2490	2.10	-3.72	31.64	6350	3.05	-5.87	38.82
2500	2.22	-3.75	29.46	6400	3.00	-5.80	39.45
5150	0.74	-7.69	27.23	6450	2.96	-5.69	40.47
5200	0.23	-7.73	26.99	6500	3.56	-5.05	40.64
5250	0.93	-7.52	28.32	6550	3.78	-4.72	43.85
5300	0.48	-7.52	28.32	6600	2.91	-5.07	43.57
5350	1.04	-7.30	29.79	6650	2.59	-5.38	40.56
5400	0.86	-7.18	30.62	6700	2.06	-5.59	38.65
5450	0.82	-6.97	32.14	6750	1.67	-6.08	36.99
5500	1.24	-6.76	33.74	6800	1.12	-6.41	34.29
5550	0.93	-6.56	33.12	6850	0.65	-6.81	35.43
5600	1.54	-6.56	33.12	6900	0.11	-7.18	32.54
5650	1.01	-6.29	35.25	6950	-0.26	-7.36	31.23
5700	1.16	-6.02	37.50	7000	-0.50	-7.52	30.09
5750	1.60	-5.80	39.45	7050	-0.59	-7.80	28.22
5800	1.89	-5.57	41.60	7100	-1.24	-8.26	25.38
5850	1.96	-5.53	41.99	7150	-1.85	-8.46	24.24

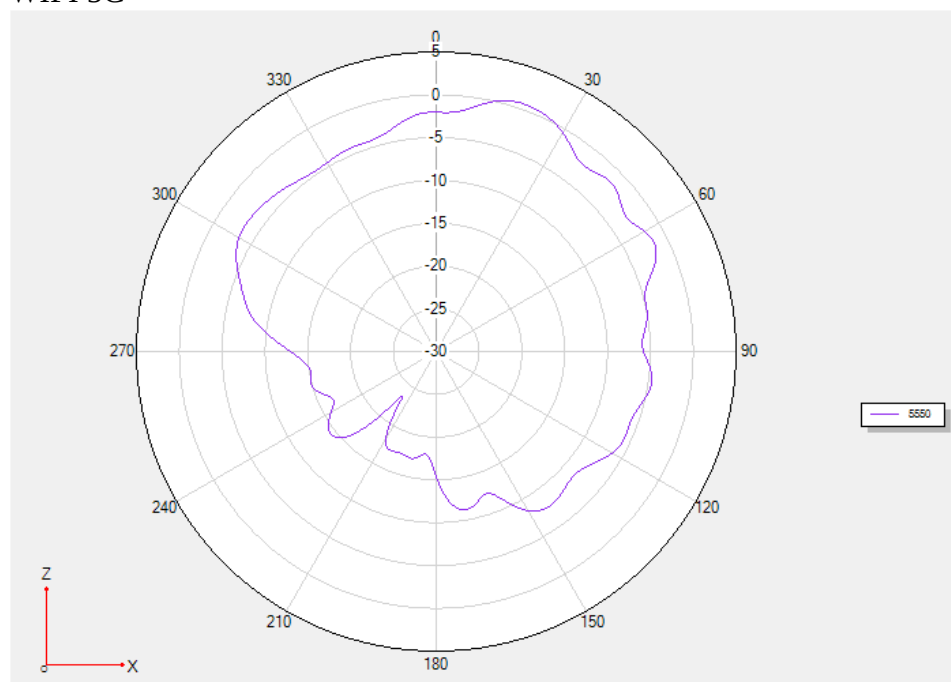
WiFi1

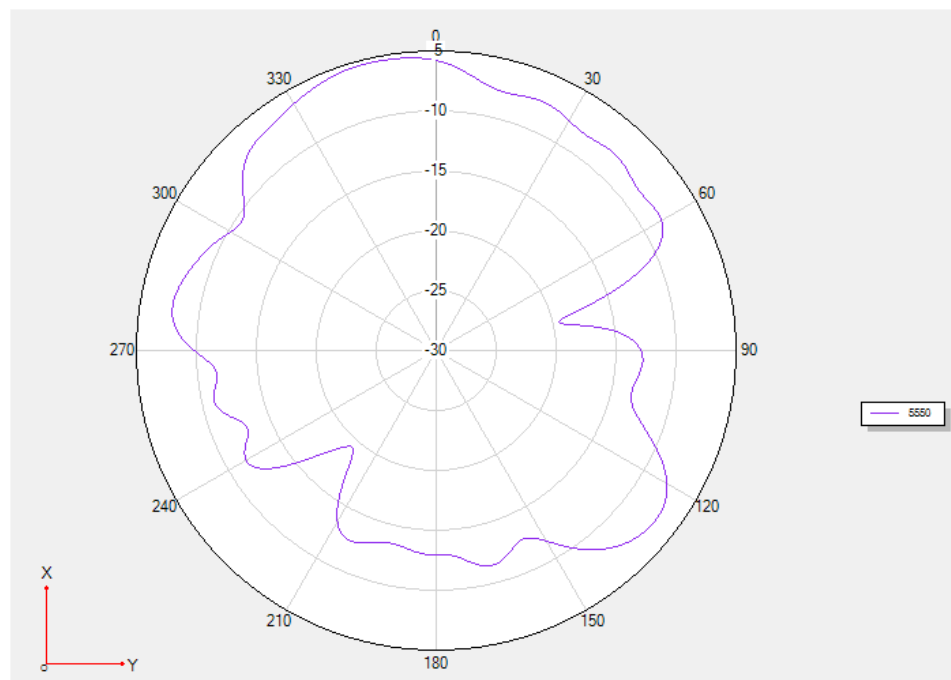
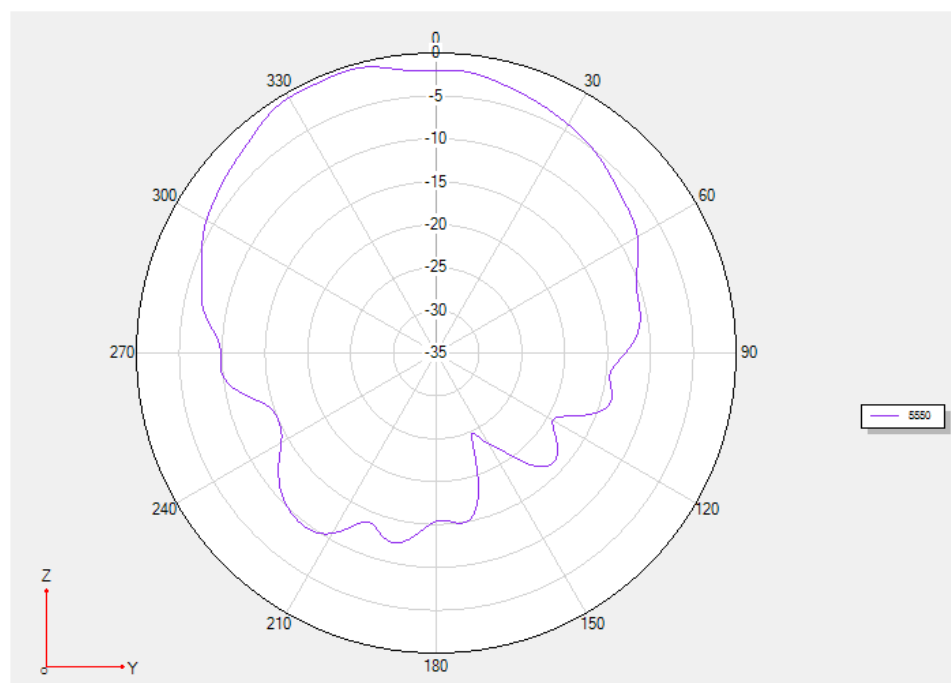
frequency/ MHz	MaxGain/dBi	AvgGain/dBi	Efficiency / %	frequency/ MHz	MaxGain/dB	AvgGain/dB	Efficiency
2400	-0.18	-5.15	28.65	5900	1.15	-5.53	39.19
2410	0.24	-4.89	30.55	5950	1.48	-5.45	39.91
2420	0.49	-4.46	33.35	6000	1.45	-5.64	38.21
2430	0.88	-4.18	33.82	6050	1.54	-5.45	39.91
2440	1.28	-3.80	34.60	6100	1.63	-5.39	40.47
2450	1.50	-3.74	36.23	6150	1.61	-5.71	37.59
2460	1.75	-3.64	36.65	6200	1.04	-6.06	34.68
2470	1.79	-3.44	36.23	6250	0.66	-6.35	32.44
2480	1.97	-3.39	36.15	6300	0.76	-6.11	34.29
2490	2.02	-3.44	30.34	6350	1.37	-6.31	32.75
2500	2.25	-3.45	29.45	6400	0.90	-6.42	31.92
5150	0.47	-7.12	29.12	6450	1.59	-6.05	34.76
5200	0.17	-7.04	29.66	6500	2.26	-5.23	41.99
5250	0.80	-6.75	31.70	6550	2.13	-5.20	42.28
5300	0.68	-6.56	33.12	6600	1.78	-5.60	41.31
5350	1.44	-6.26	35.49	6650	1.59	-5.88	38.73
5400	1.43	-6.20	35.99	6700	1.42	-6.11	36.74
5450	1.50	-5.92	38.39	6750	1.32	-6.41	34.29
5500	1.79	-5.74	40.01	6800	1.28	-6.43	34.13
5550	1.30	-5.59	41.42	6850	0.82	-6.72	31.92
5600	1.55	-5.58	41.51	6900	0.64	-6.83	31.13
5650	1.33	-5.37	43.56	6950	0.75	-6.49	33.66
5700	1.72	-5.17	42.57	7000	1.06	-6.58	32.97
5750	1.89	-5.21	42.18	7050	0.87	-6.74	31.77
5800	1.63	-5.18	42.48	7100	0.74	-6.90	30.63
5850	1.64	-5.32	41.13	7150	0.34	-7.05	29.58



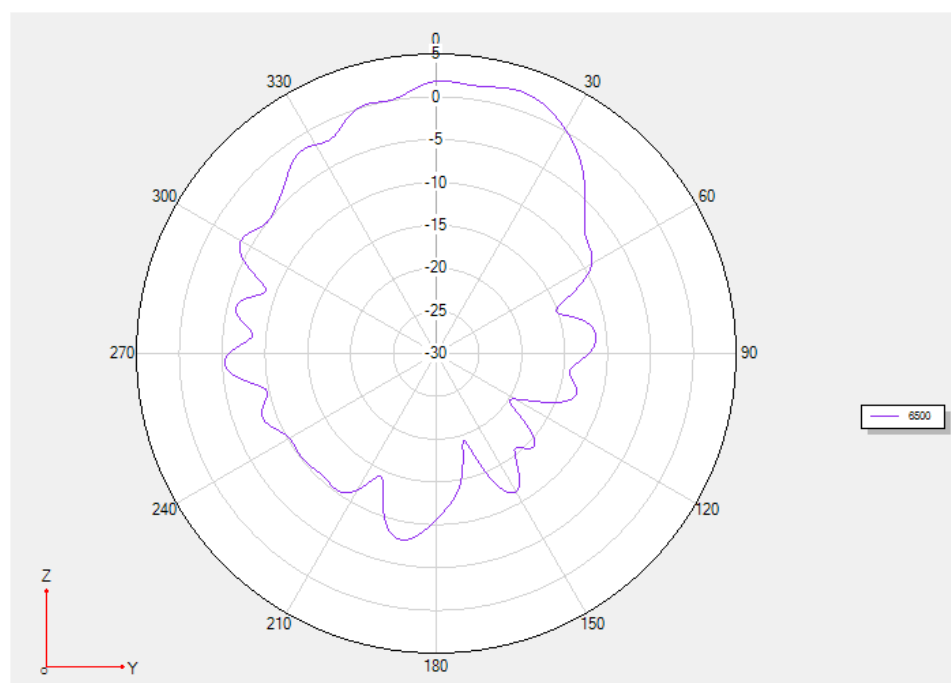
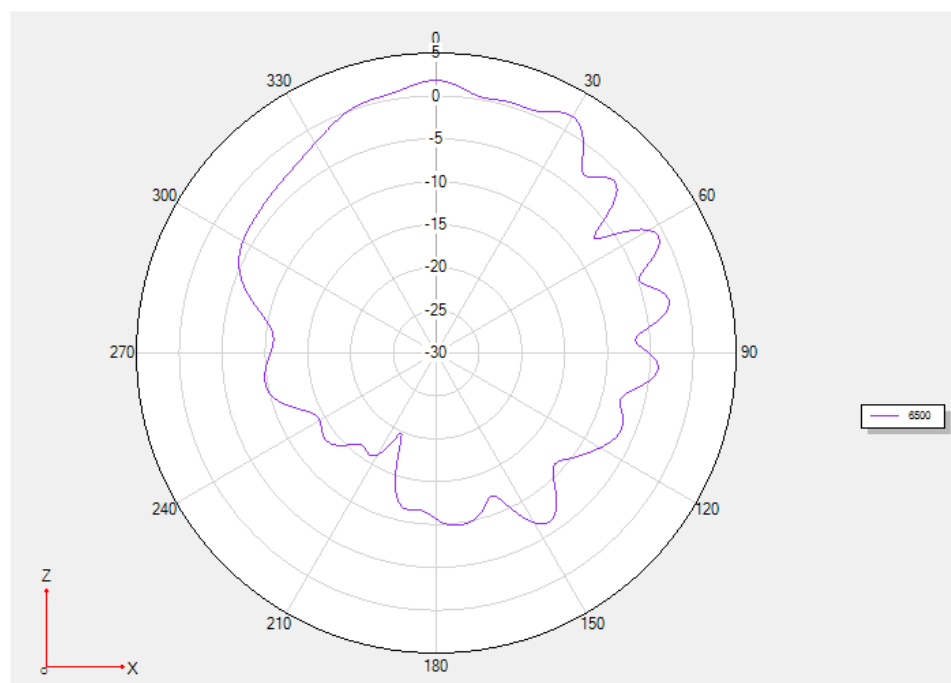


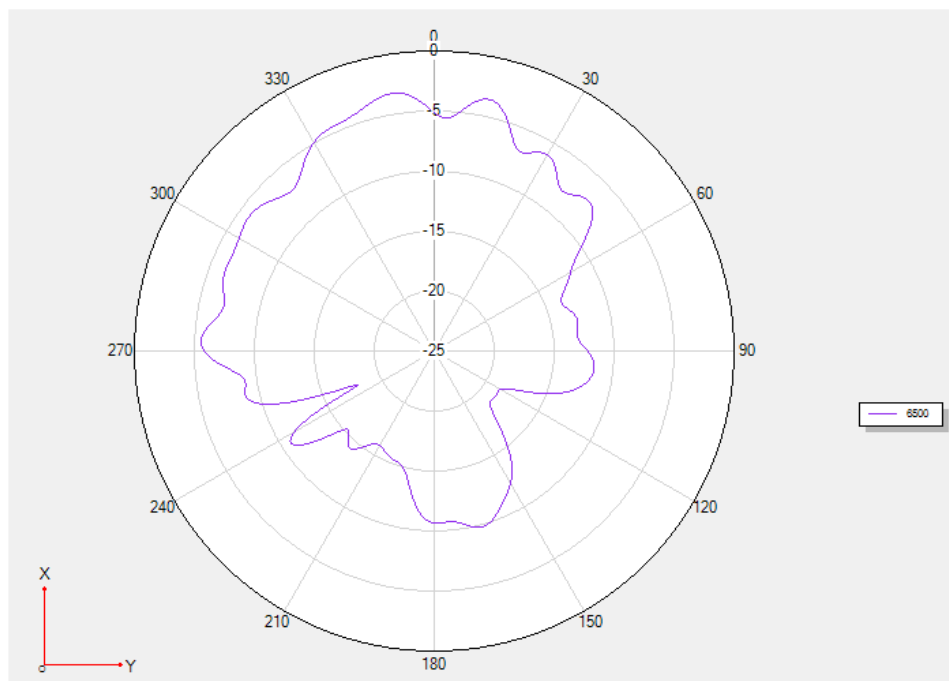
WIFI 5G





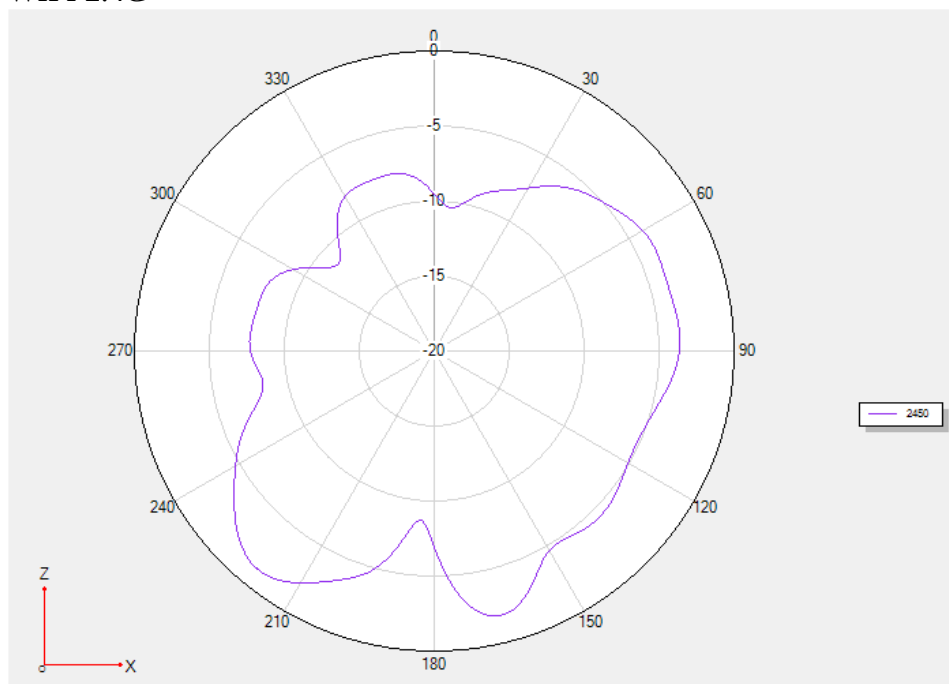
WIFI 6G

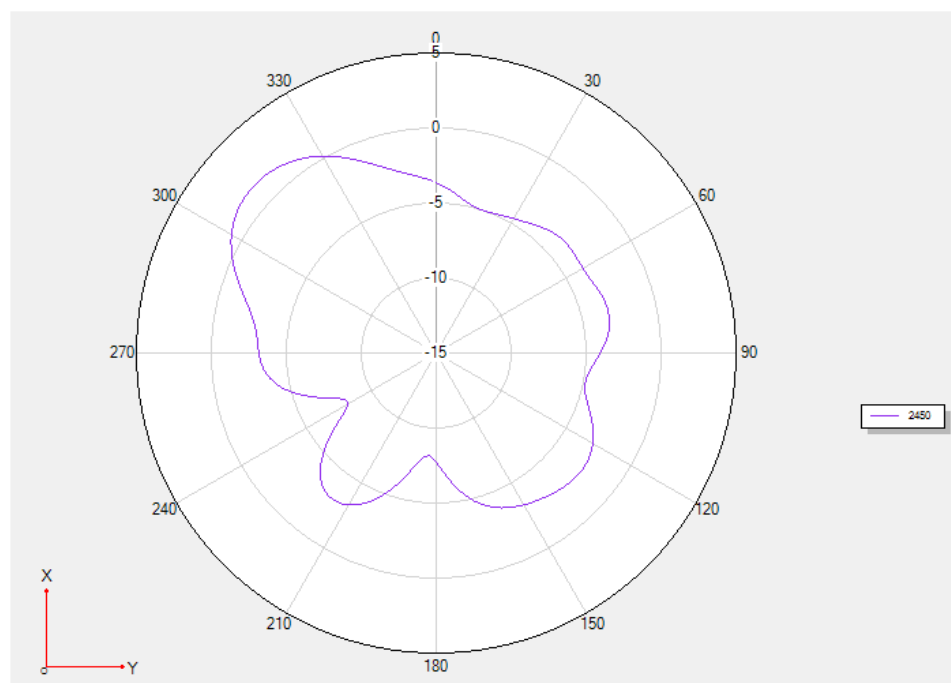
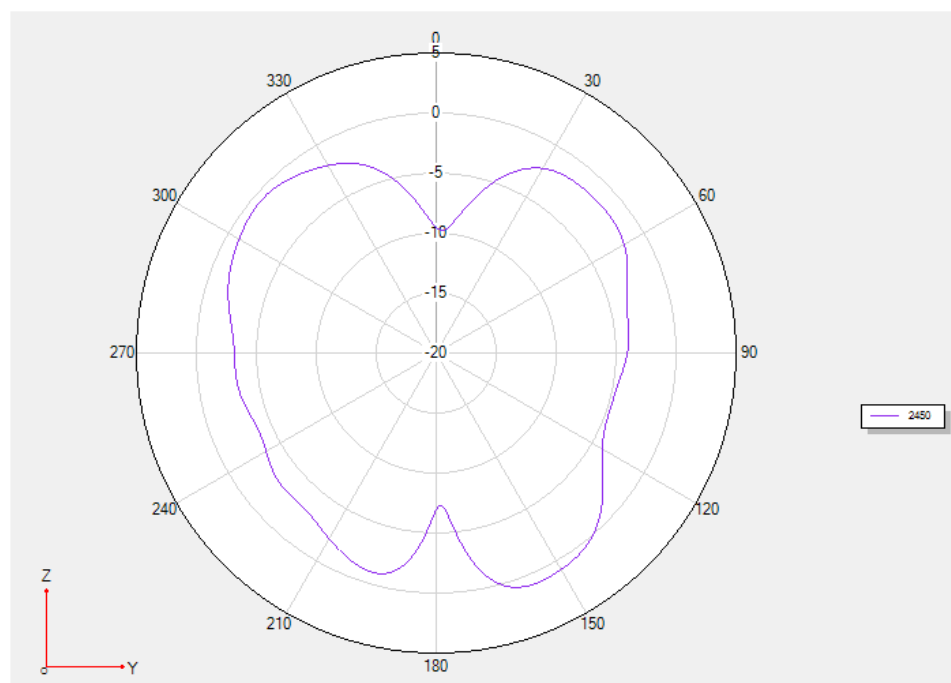




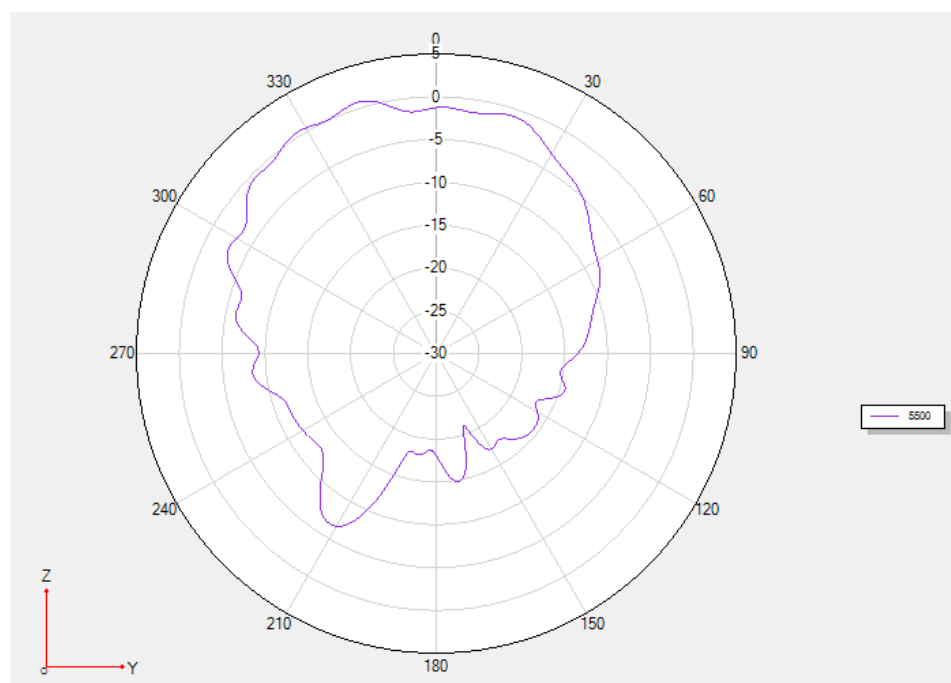
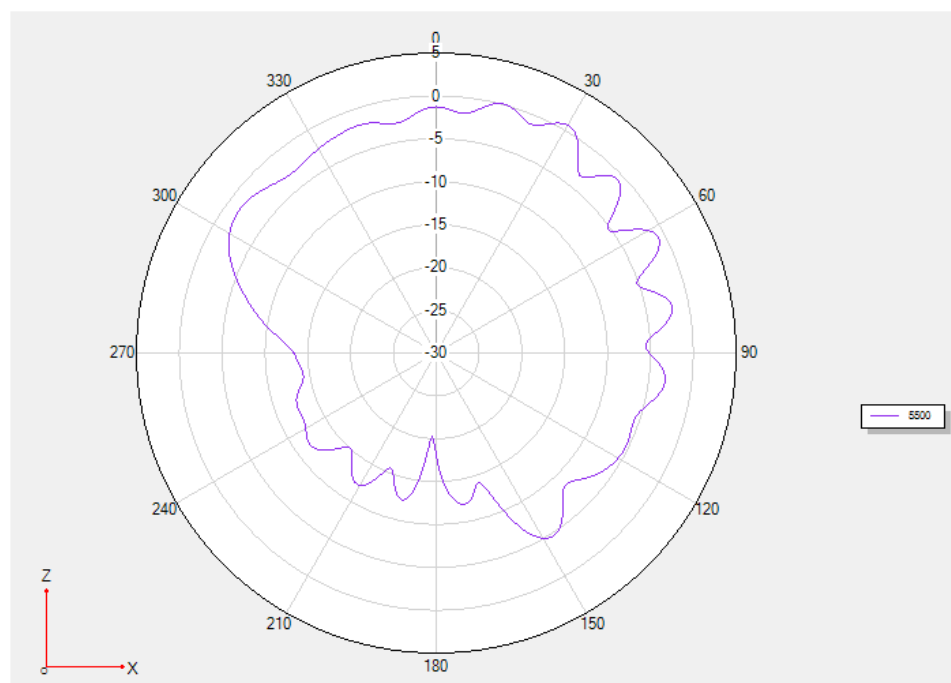
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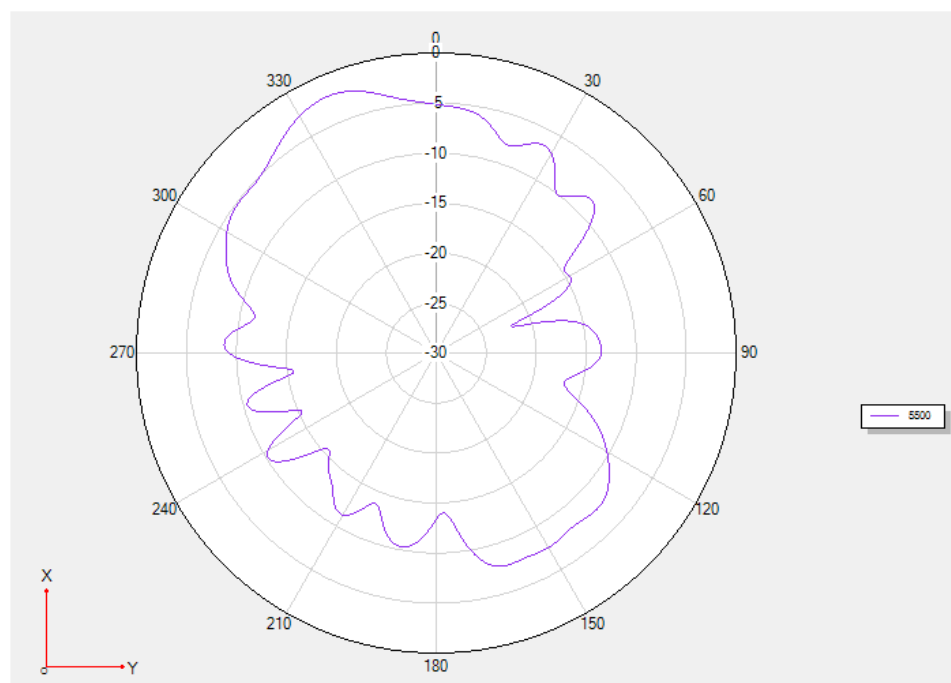
WIFI 2.4G



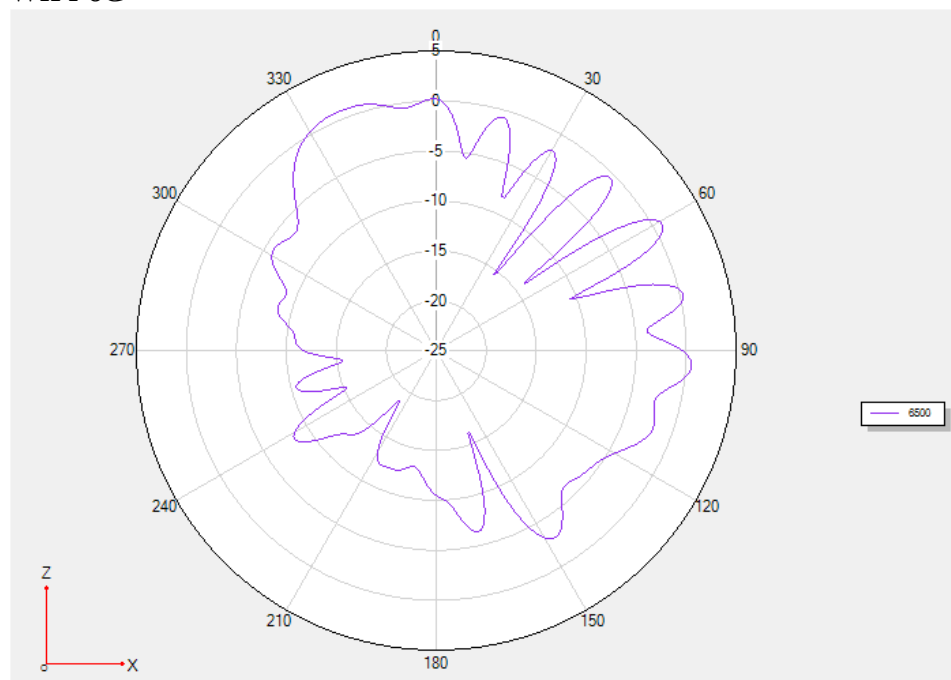


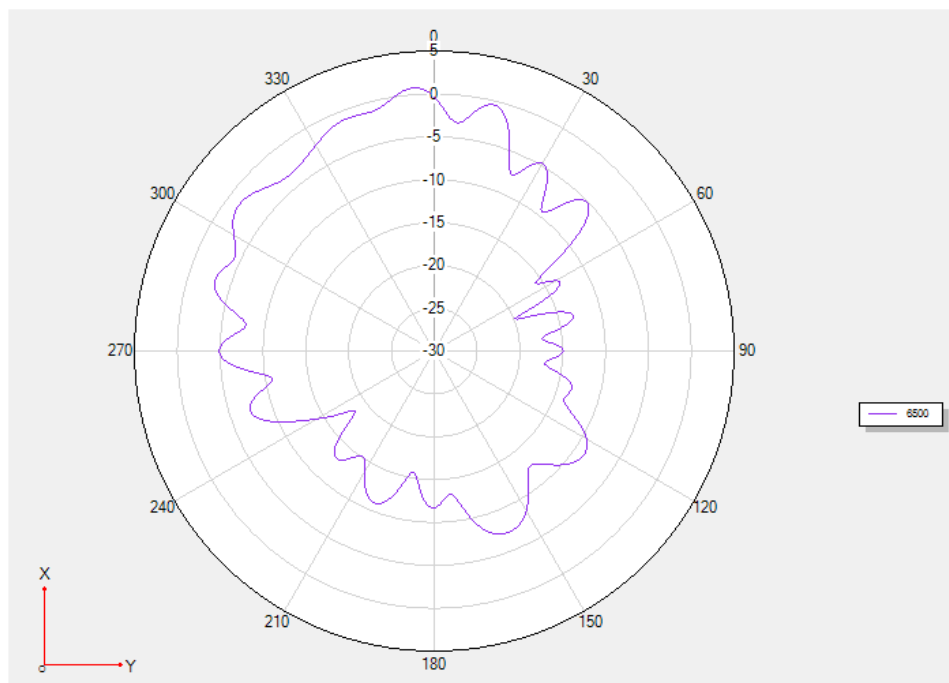
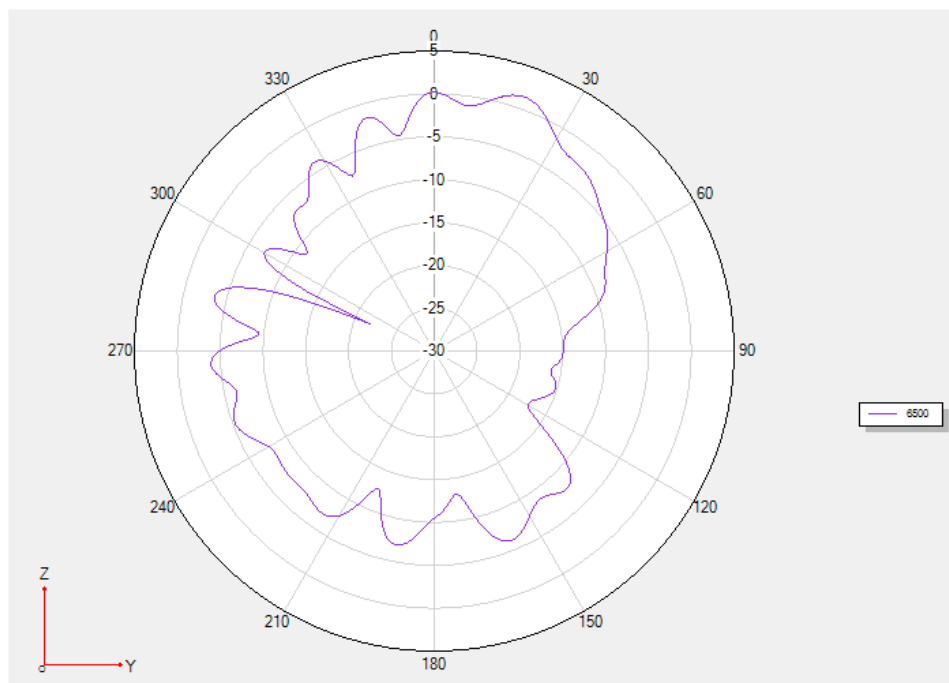
WIFI 5G





WiFi 6G



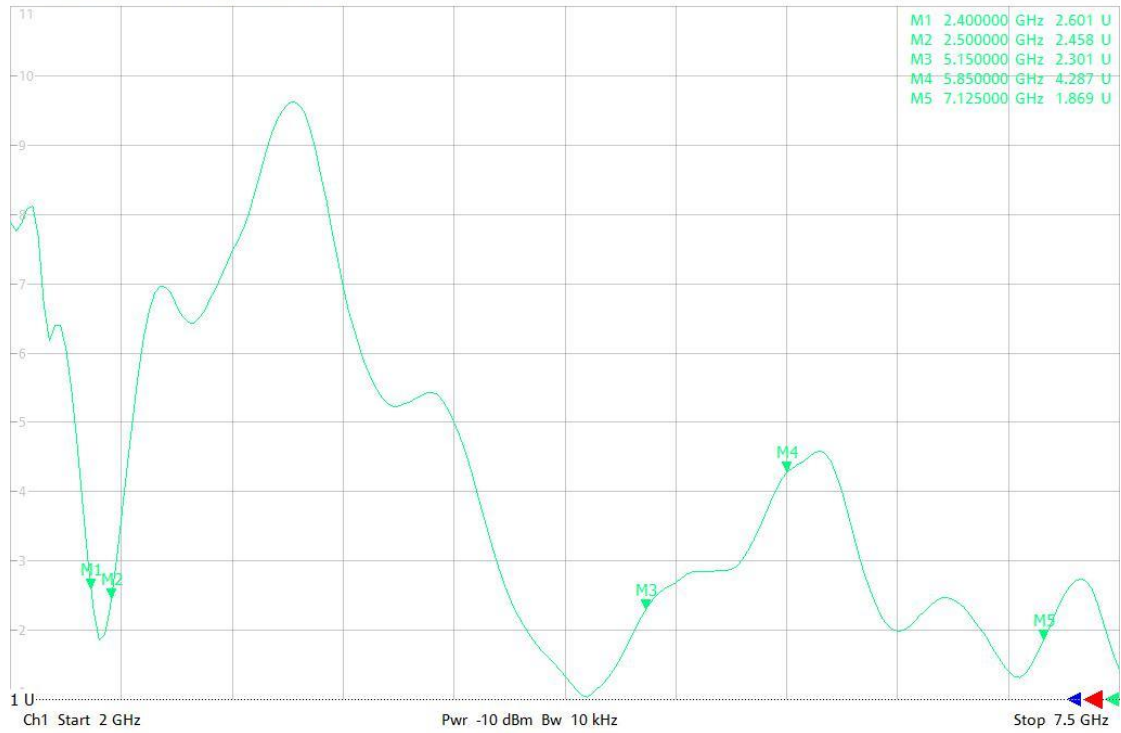


※S11:

**WIF10
Antenna**

Trc1 S11 SWR 1 U/ Ref 1 U Invisible Mem2[Trc1] S11 SWR 1 U/ Ref 1 U Invisible
Mem3[Trc1] S11 SWR 1 U/ Ref 1 U

1



WIFI1 antenna

Trc1 S11 SWR 1 U/ Ref 1 U Invisible Mem2[Trc1] S11 SWR 1 U/ Ref 1 U
Mem3[Trc1] S11 SWR 1 U/ Ref 1 U Invisible

1

