

Manufacturer:	Shanghai eKrode technologies Co.,Ltd
Address:	Rm 805,Huitu Building,No.898 Tongpu Rd,Shanghai,200333, R.R.C.

2.4G/5.8G双极化平板天线

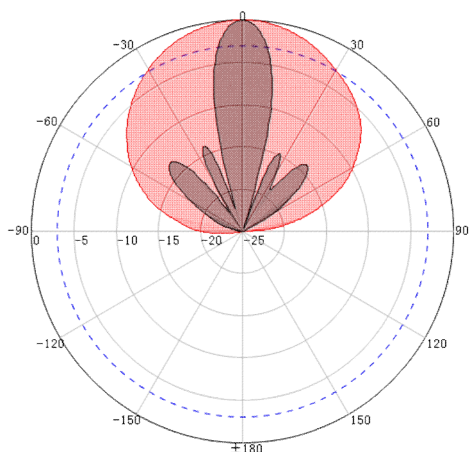
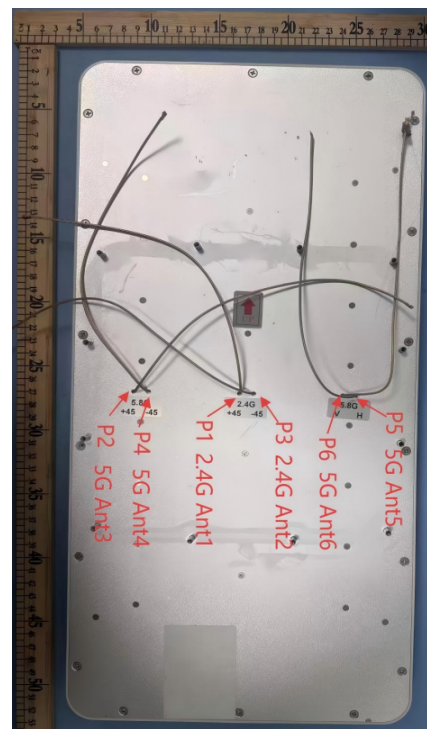
型号Model:

电气性能ELECTRICAL SPECIFICATIONS

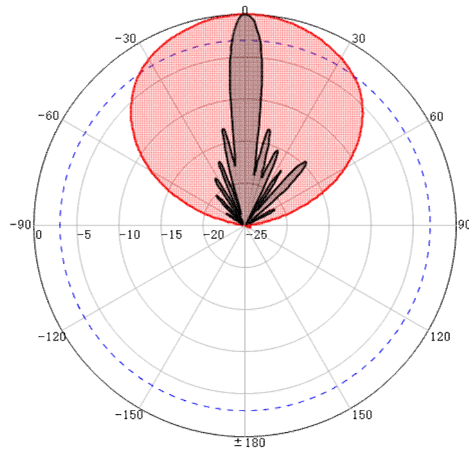
频率范围 Frequency Range (MHz)	2400-2500/5150-5850	
天线增益Gain (dBi)	12dBi	14dBi
水平面波束宽度HPBW _H (Deg.) (3db)	65°	65°±5°
垂直面波束宽度HPBW _V (Deg.) (3db)	16°	7°
极化方式 (Polarization)	2*2.4G ±45 2*5.8G ±45 2*5.8G H+V	
前后比(F/B Ratio)	≥25db	
电压驻波比 (VSWR)	<1.8	
隔离度 (Isolation)	≥23	
输入阻抗 (Impedance)	50 Ω	
接口形式 (Connection Type)	6*引线IPEX	
最大功率(Max. Power)	100W	
雷电保护 (Lightning Protection)	直流接地	

机械特性 MECHANICAL SPECIFICATIONS

外形尺寸 (Dimensions)	486*236*24mm
颜色 Color	白色
外罩材料 Radome Material	ABS
重量Weight (Kg)	1kg
工作温度Temperature Range (℃)	-35~+70℃
工作风速 Rated Wind Speed (km/h)	60m/s
抱杆直径Mounting hardware(mm)	∅ 30~∅ 80mm
安装方式 Mounting Type	/
防水等级waterproof Rate	/



2.4G



5.8G

辐射性能测试报告

委托部门/人	研发部	生产单号	/
名称/型号	KDP6-2458NZ-YU	数量	1PCS
测试类别	辐射性能测试	时间	2025-08-13

P1(+45° -2G)

测试项目	Fre.Mhz	增益Gain (dBi)	H 面 3dB 宽度	E 面 3dB 宽度	H 面前后比
	2400	12.19	75.07	17.12	21.36
	2450	12.59	71.5	17.38	23.94
	2500	12.84	71.58	17.26	20.11

P2(+45° -5G)

测试项目	Fre.Mhz	增益Gain (dBi)	H 面 3dB 宽度	E 面 3dB 宽度	H 面前后比
	5150	14.74	71.3	7.99	28.93
	5250	15.05	63.28	7.98	30.5
	5350	15.21	68.96	7.68	31.05
	5450	15.23	68.19	7.64	25.34
	5550	14.92	58.08	7.54	20.44
	5650	15.52	63.78	7.1	22.51
	5750	16.15	55.4	7.23	24.77
	5850	16.25	52.79	7.17	22.54

P3(-45° -2G)

测试项目	Fre.Mhz	增益Gain (dBi)	H 面 3dB 宽度	E 面 3dB 宽度	H 面前后比
	2400	12.36	73.83	16.92	20.07
	2450	12.58	72.77	17.14	22.13
	2500	12.65	71.38	17.38	20.04

P4(-45° -5G)

测试项目	Fre.Mhz	增益Gain (dBi)	H 面 3dB 宽度	E 面 3dB 宽度	H 面前后比
	5150	13.88	82.21	8.14	22.95
	5250	14.58	76.16	7.94	24.1
	5350	15.39	77.3	7.65	23.41
	5450	15.2	80.4	7.3	22.02
	5550	15.09	52.38	6.92	22.22
	5650	16.57	52.28	7.32	28.42
	5750	16.78	50.99	7.32	27.88
	5850	16.94	52.9	7.1	25.48

P5 (H)

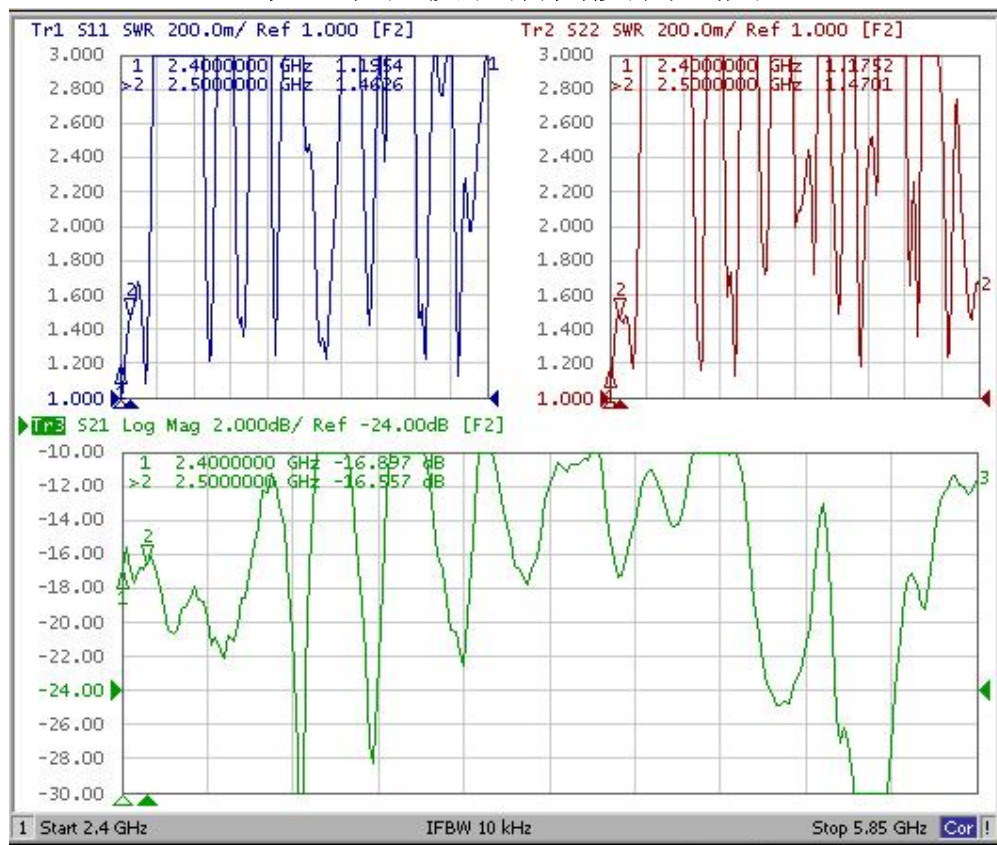
测试项目	Fre.Mhz	增益Gain (dBi)	H 面 3dB 宽度	E 面 3dB 宽度	H 面前后比
5150		12.68	100.4	7.89	22.43
5250		13.74	82.5	7.91	23.12
5350		14.35	66.53	8.27	22.43
5450		15.39	60.07	8.41	22.06
5550		13.93	59.88	8.15	19.56
5650		13.44	72.03	7.73	22.05
5750		14.72	69.09	7.31	22.87
5850		15.09	60.19	6.89	20.12

P6 (V)

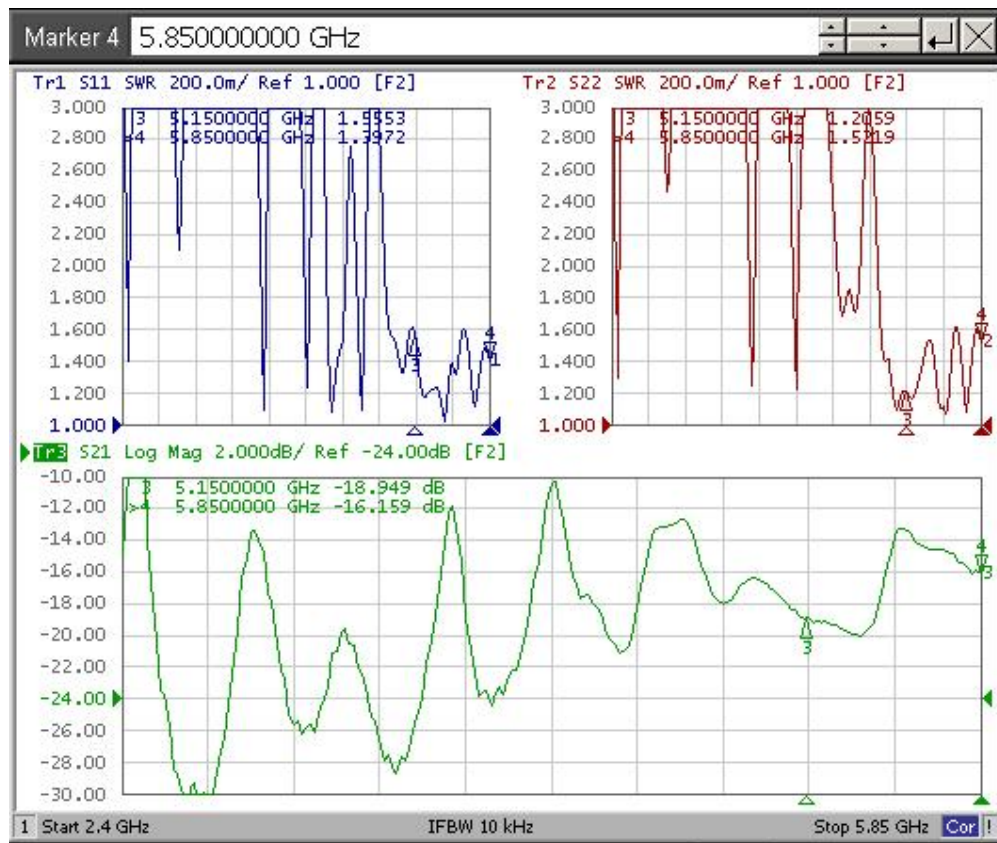
测试项目	Fre.Mhz	增益Gain (dBi)	H 面 3dB 宽度	E 面 3dB 宽度	H 面前后比
5150		14.14	71.13	7.55	25.08
5250		14.93	64.42	7.68	25.89
5350		15.06	64.38	7.65	27.41
5450		14.93	62.97	7.35	25.49
5550		13.95	62.06	7.2	26.66
5650		14.77	57.85	6.84	30.53
5750		16.2	46.96	7.11	29.1
5850		16.25	46.73	7.01	27.13

测试项目	驻波	隔离度
P1 (+45° -2G)	≤1.47	P1-P3: ≥15.89
P3 (-45° -2G)	≤1.48	
P2 (+45° -5G)	≤1.61	P2-P4: ≥13.55
P4 (-45° -5G)	≤1.61	
P5 (H)	≤1.82	P5-P6: ≥31.27
P6 (V)	≤1.60	

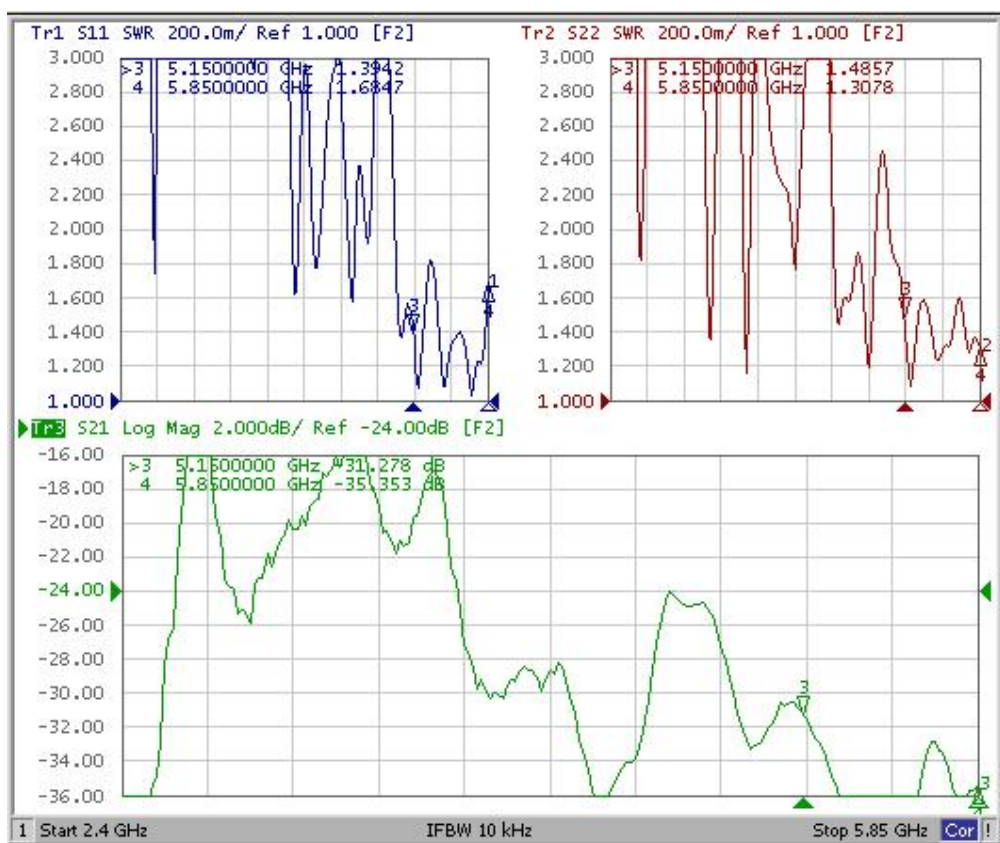
常温下驻波和隔离度测试图



P1-P3



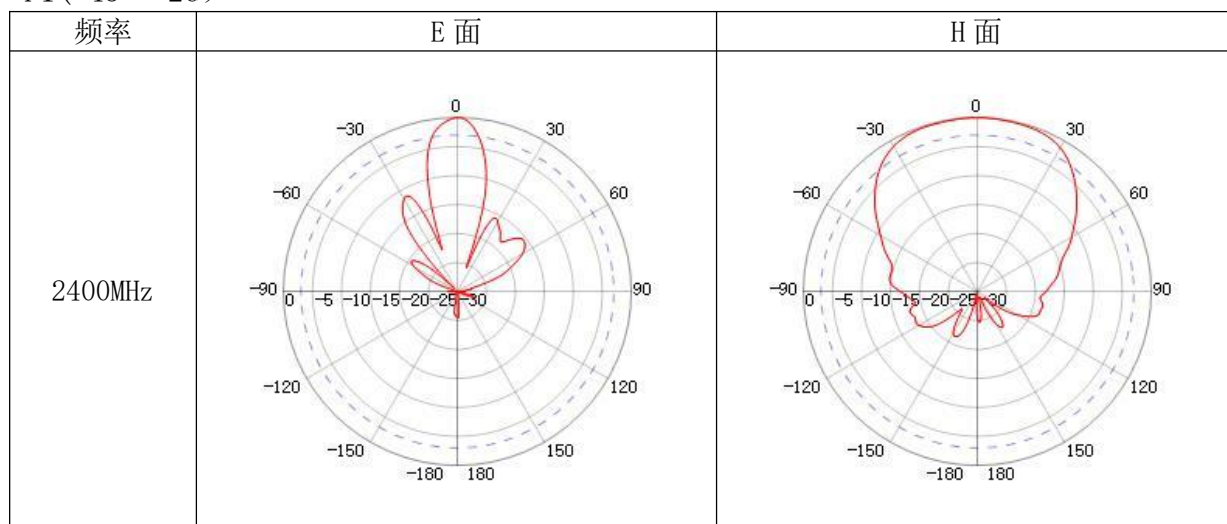
P2-P4

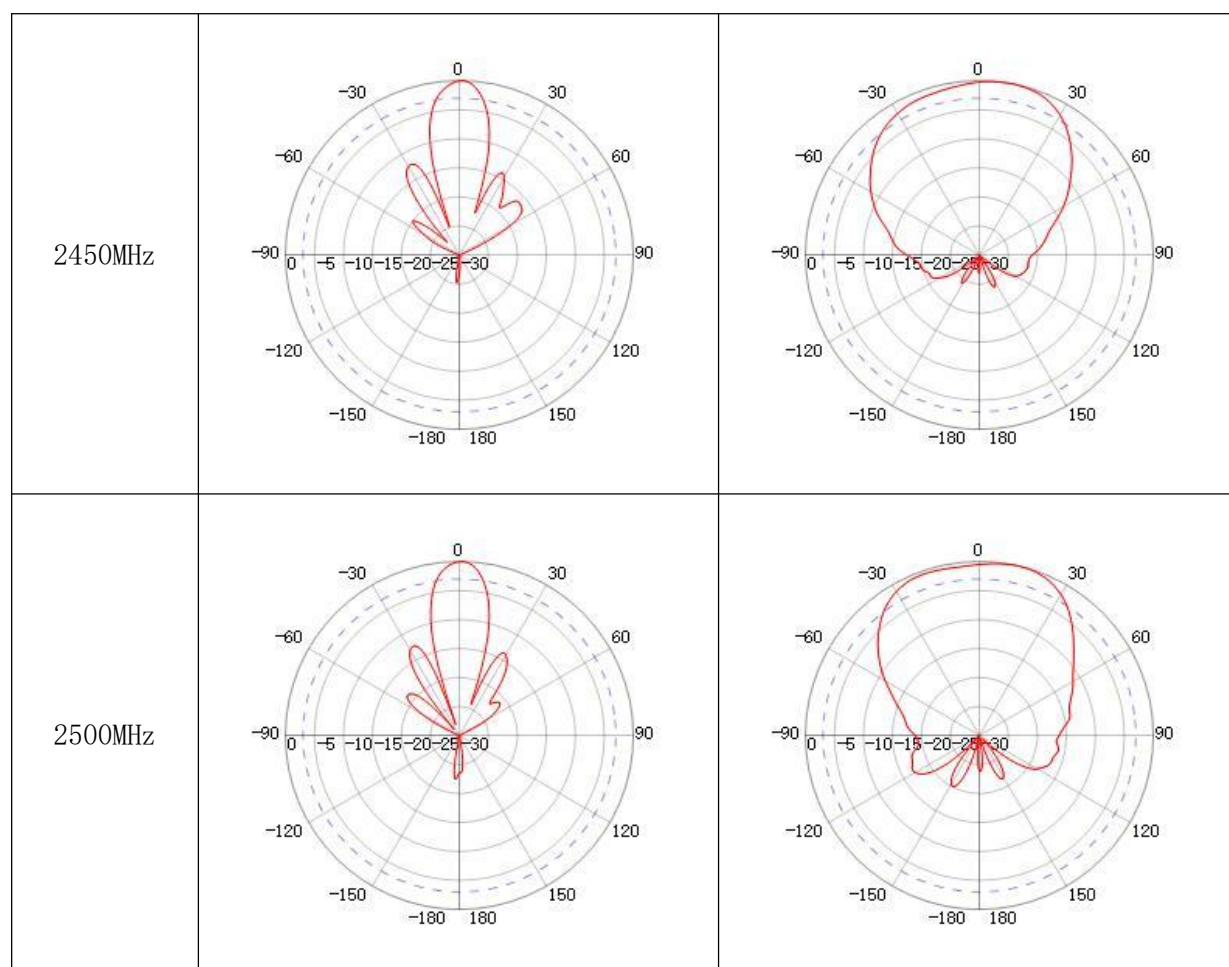


P5-P6

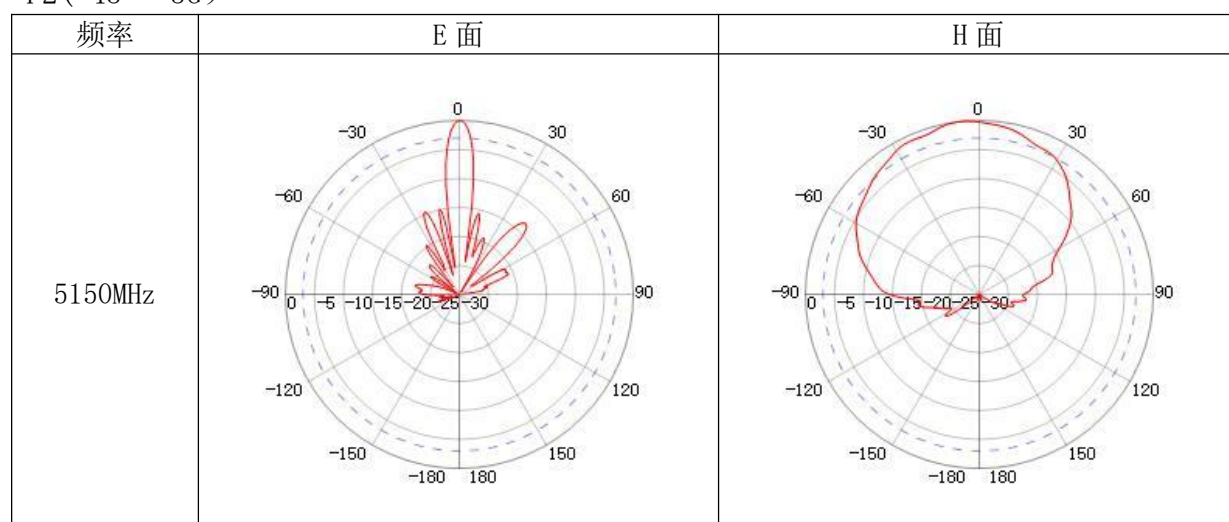
方向图

P1(+45° -2G)

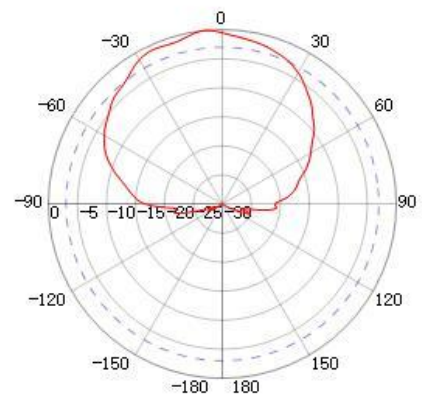
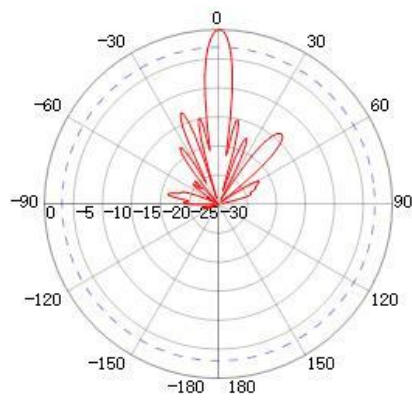




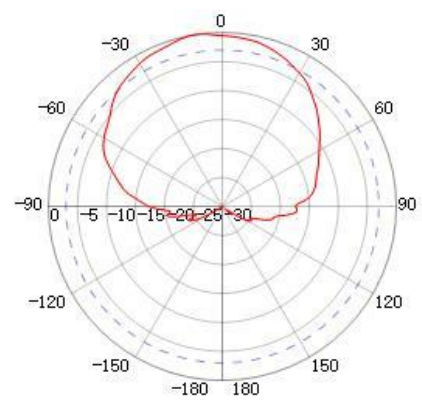
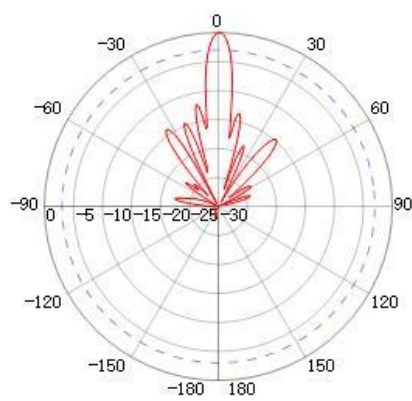
P2(+45° -5G)



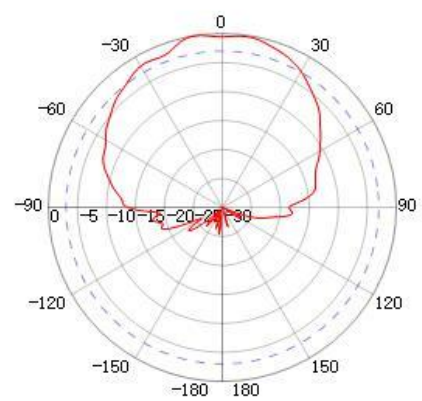
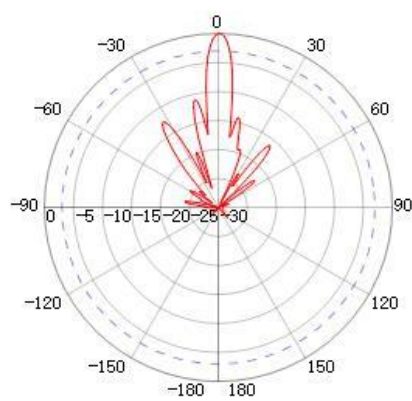
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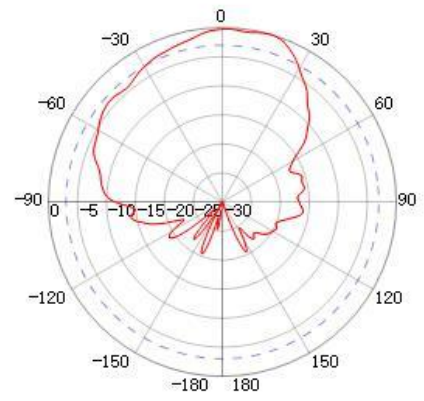
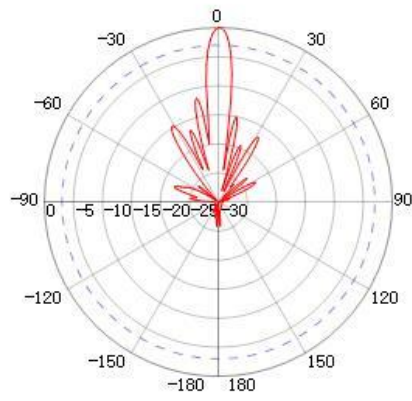
5350MHz



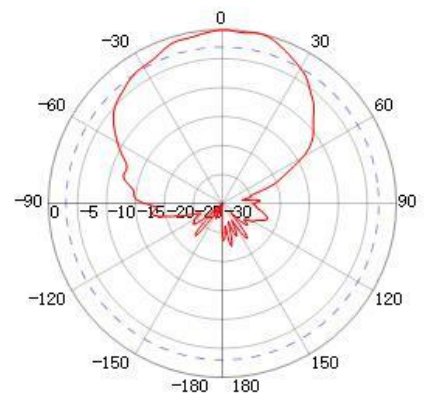
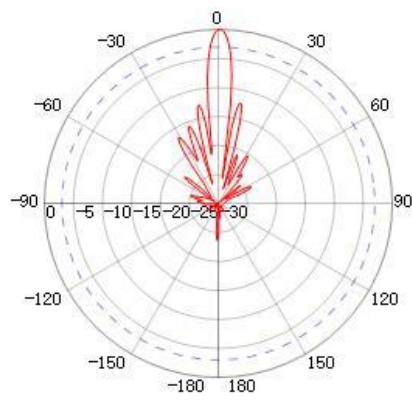
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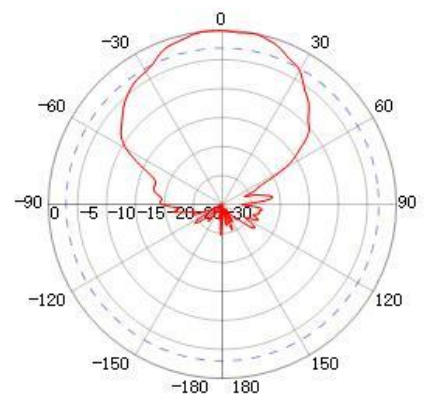
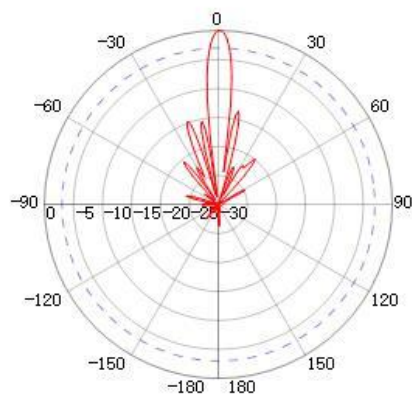
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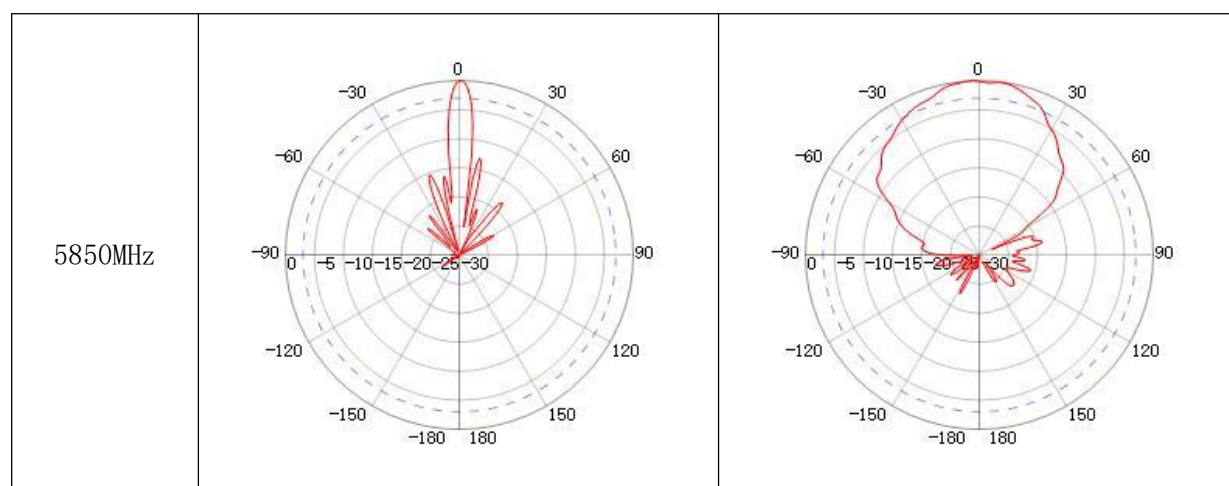


5650MHz

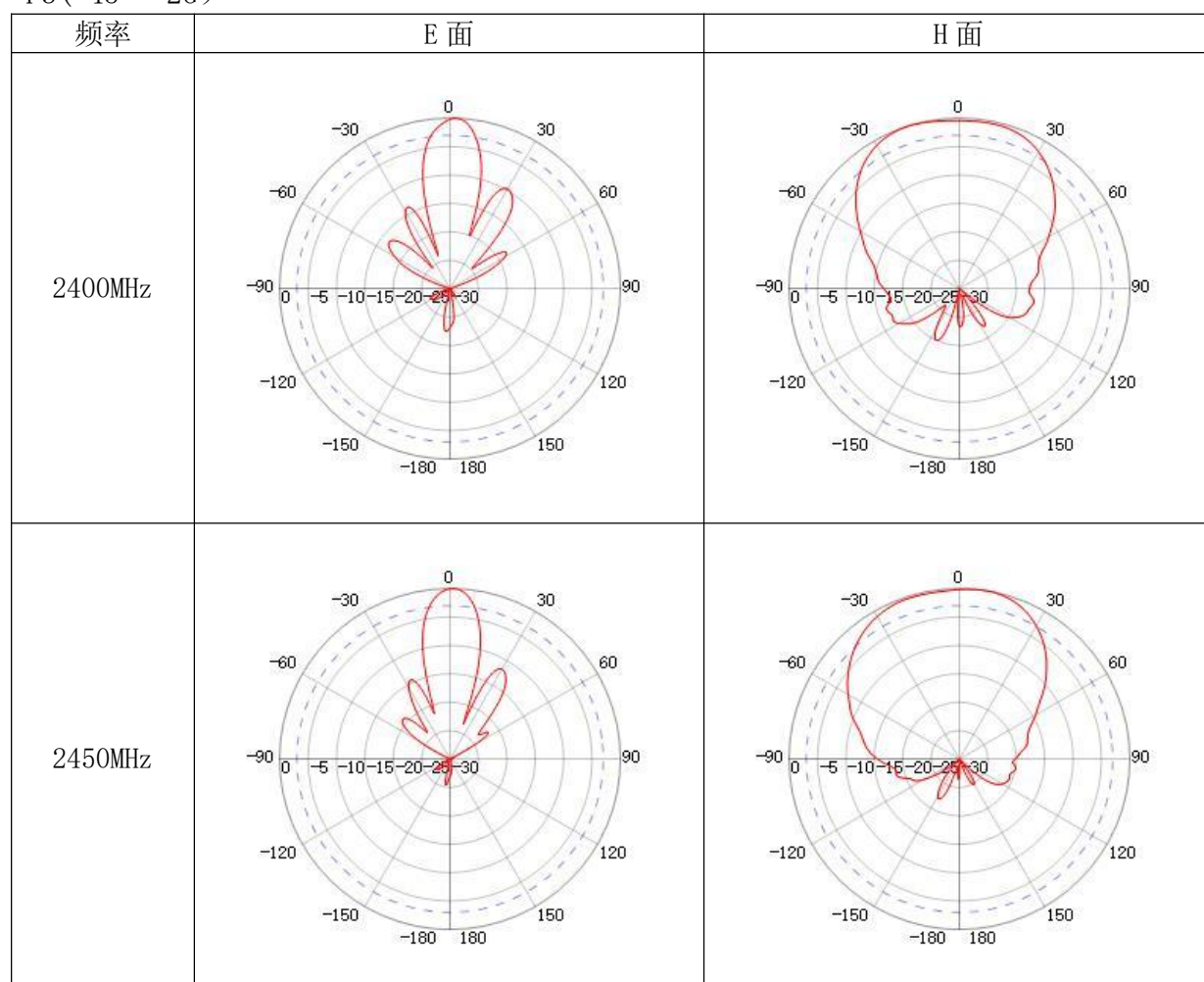


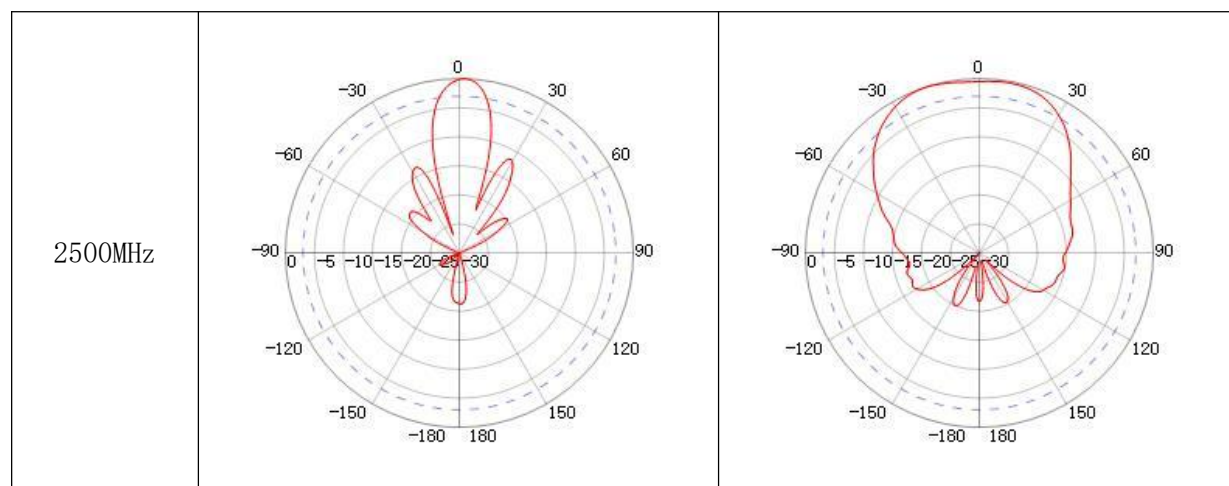
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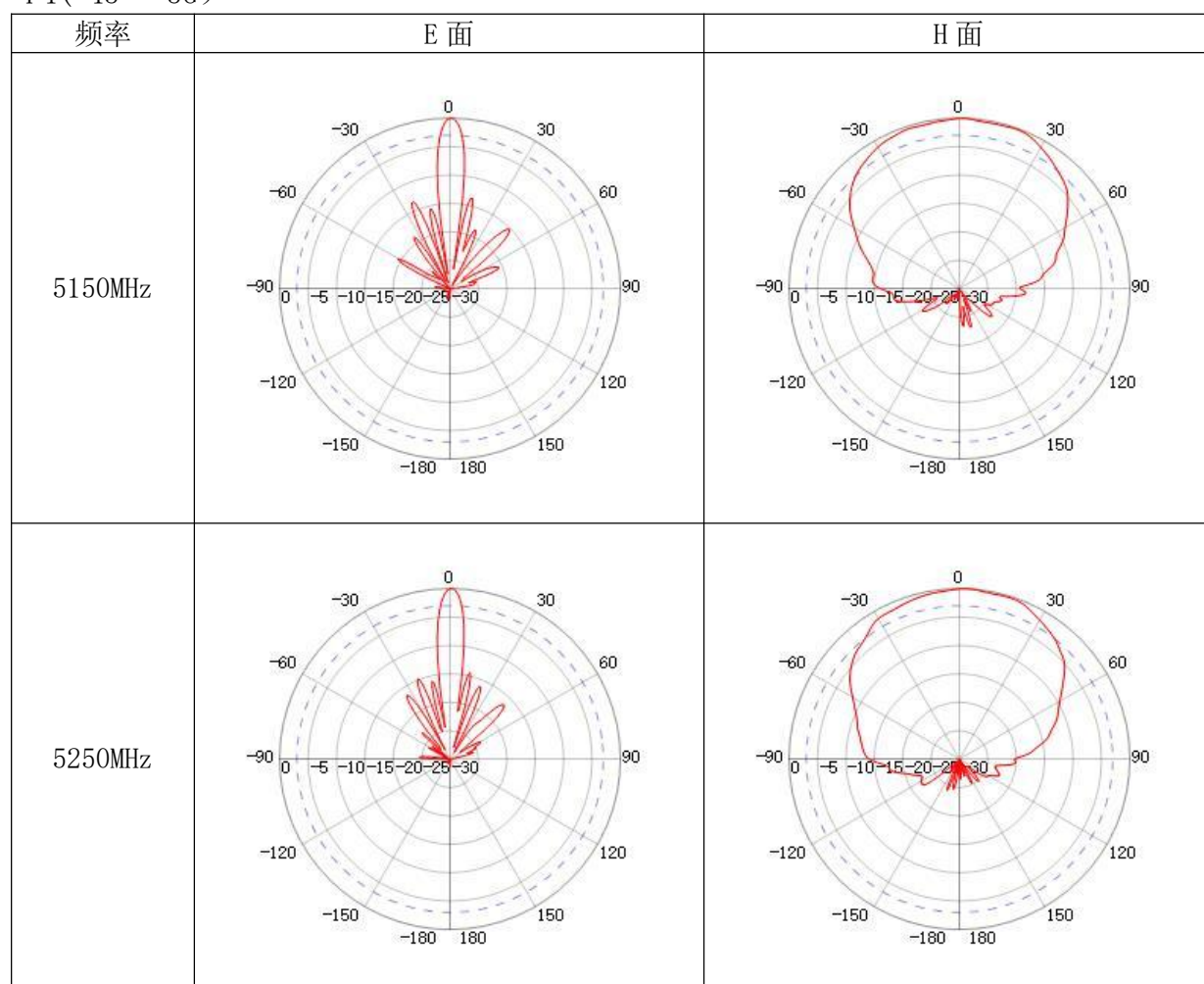


P3(-45° -2G)

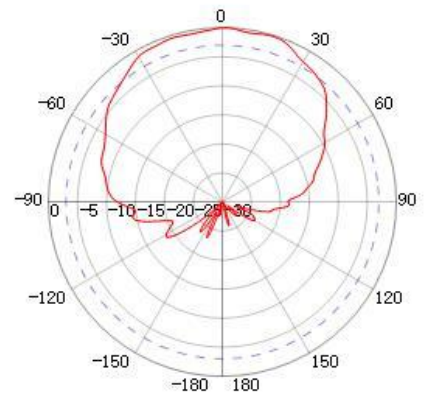
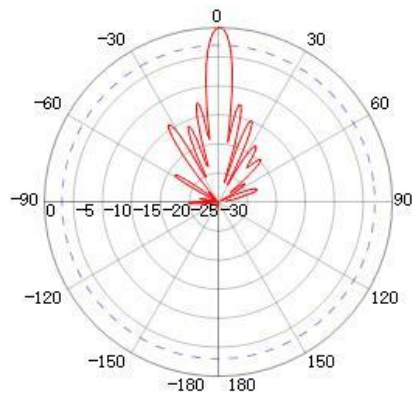




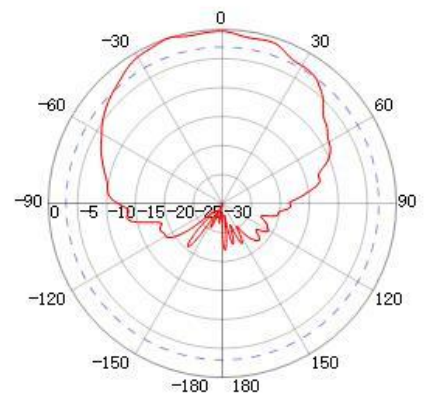
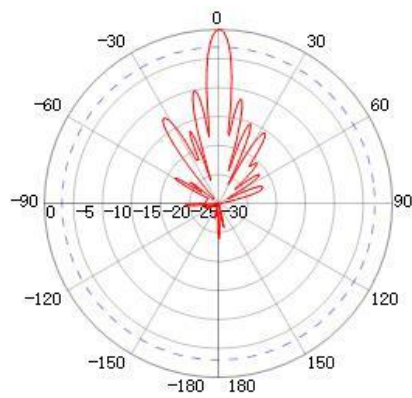
P4(-45° -5G)



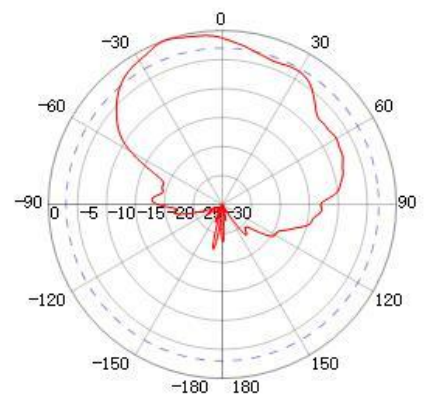
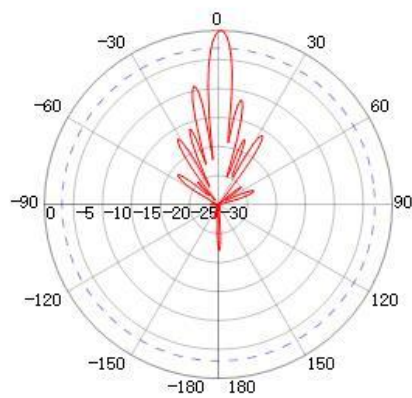
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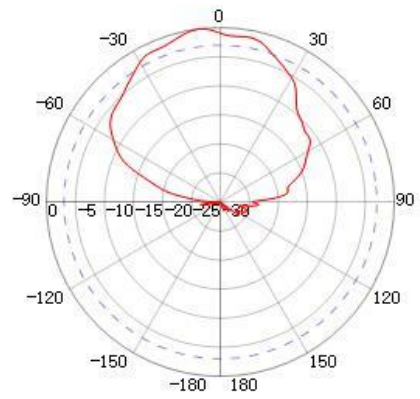
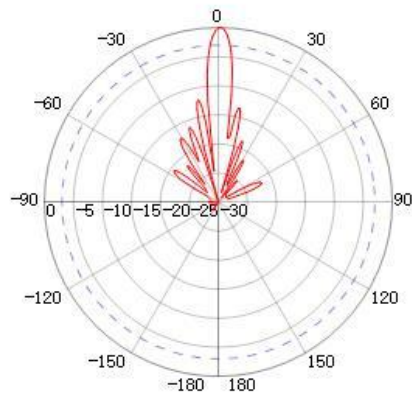
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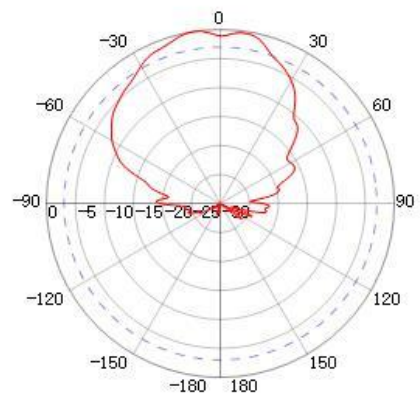
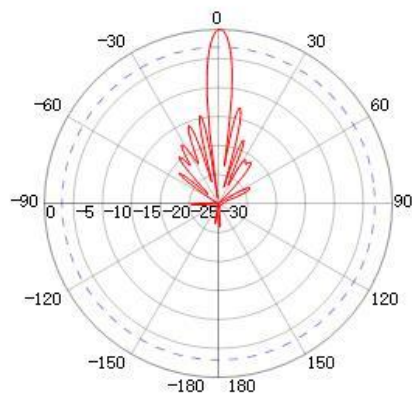
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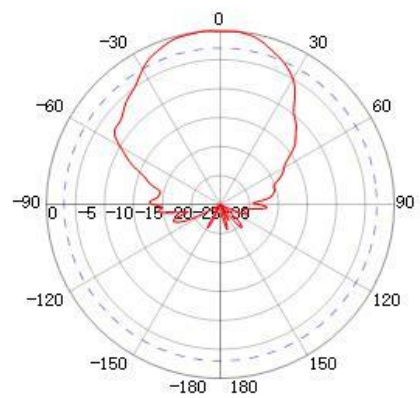
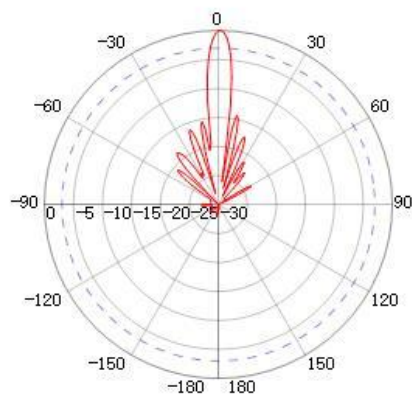
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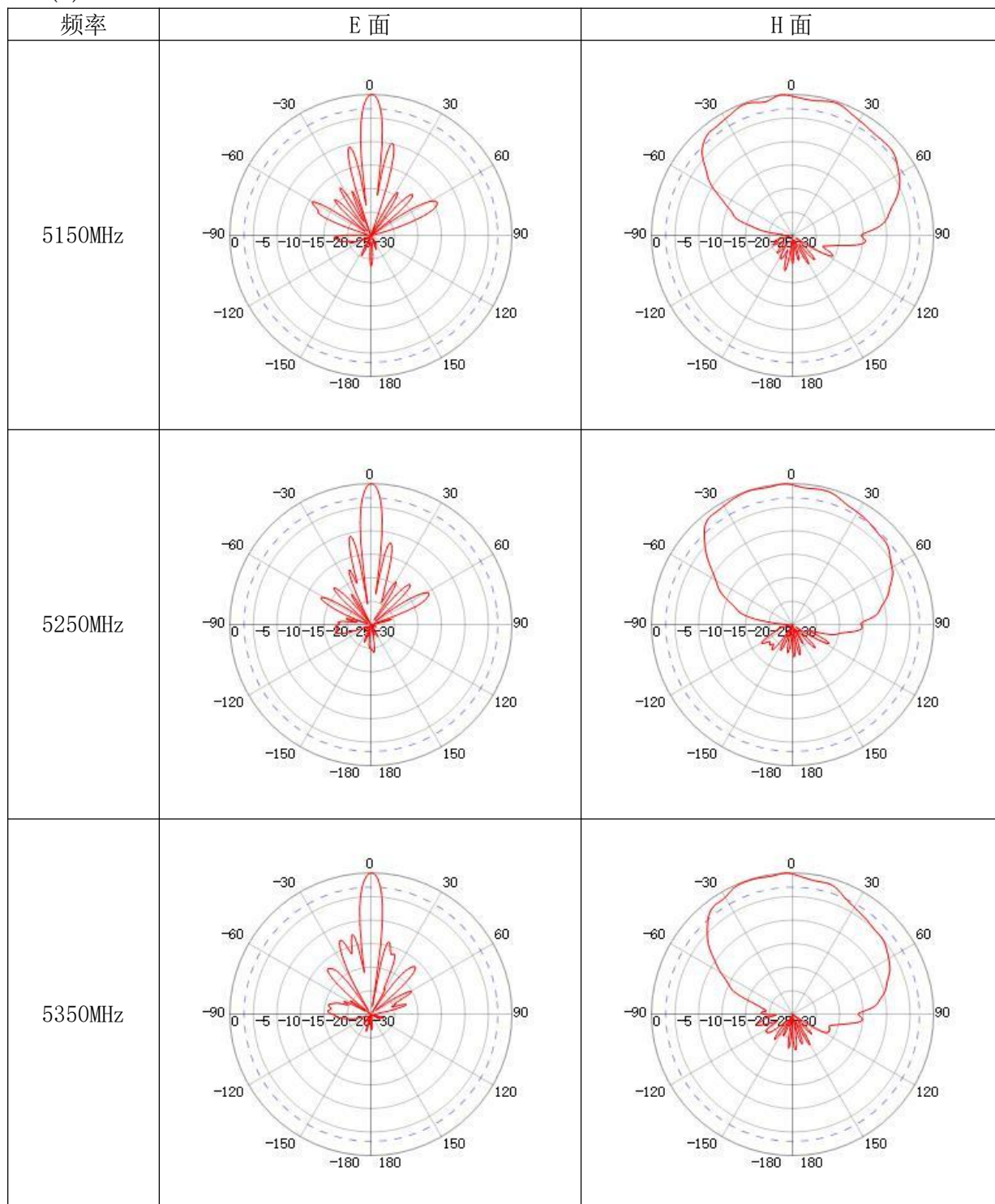
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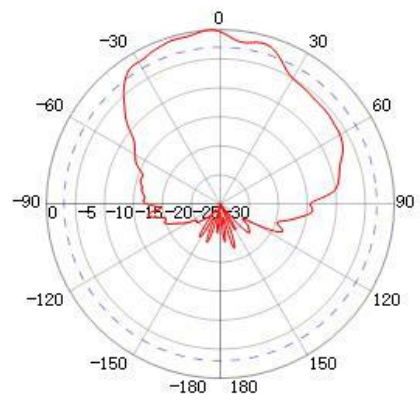
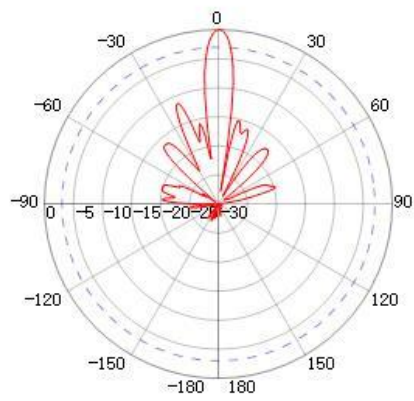
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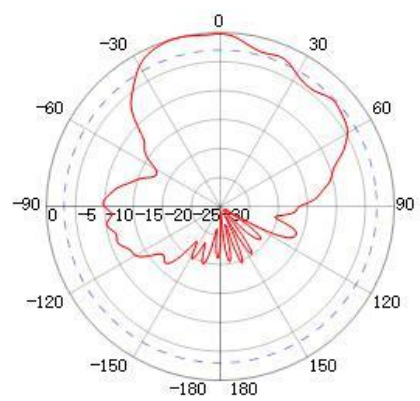
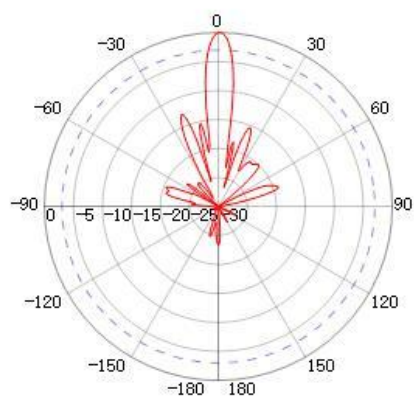
P5 (H)



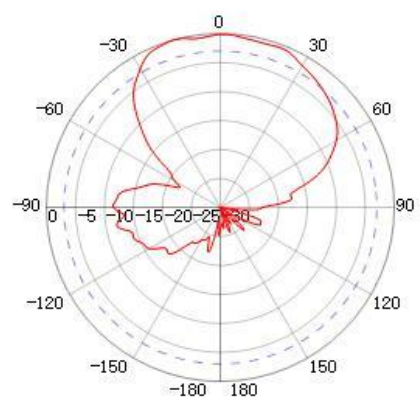
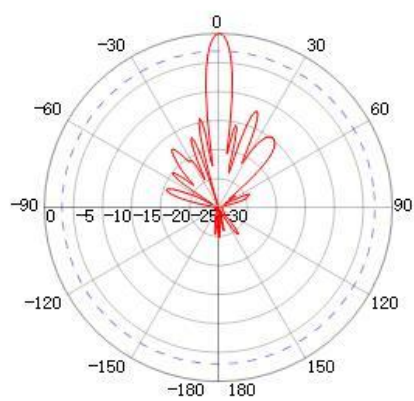
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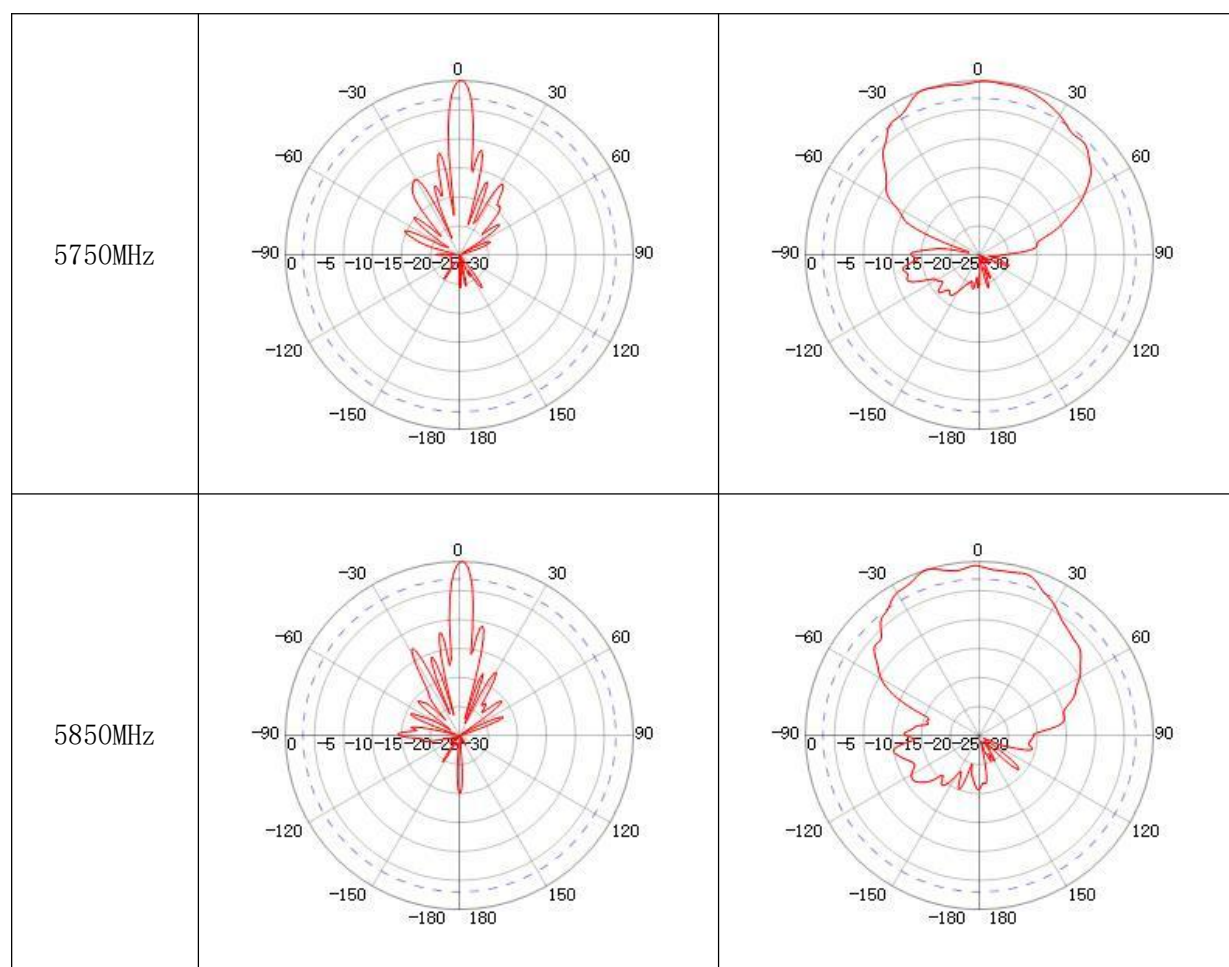


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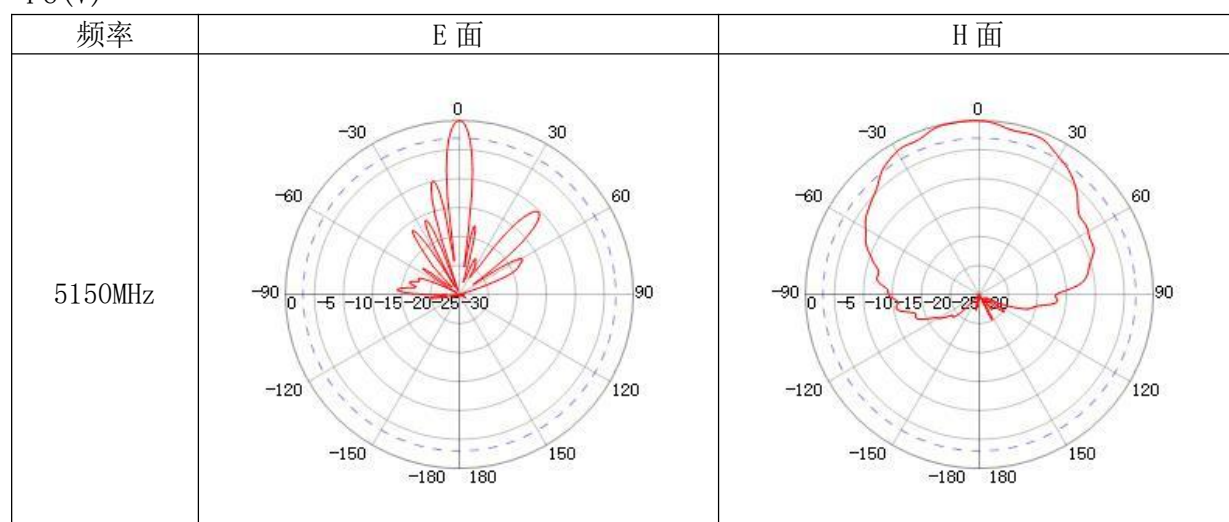


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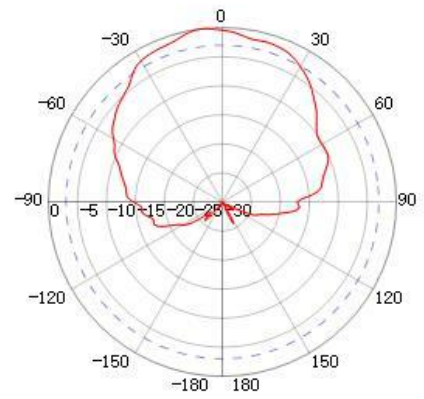
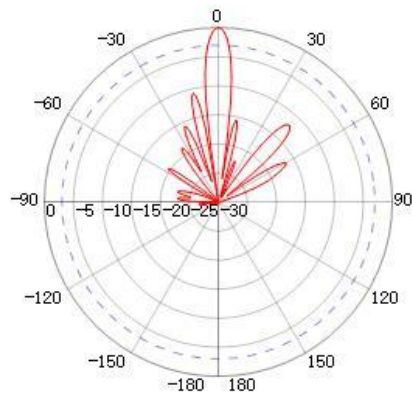




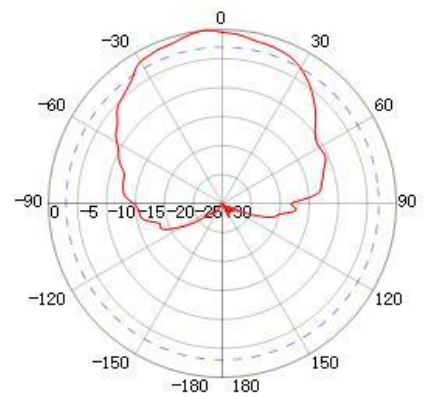
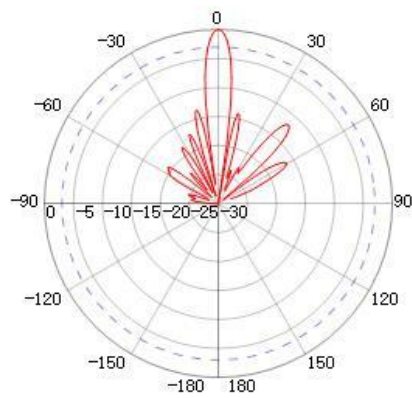
P6 (V)



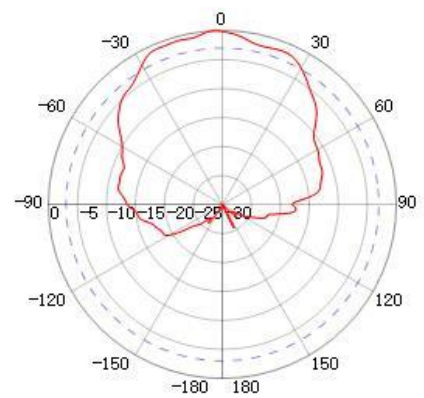
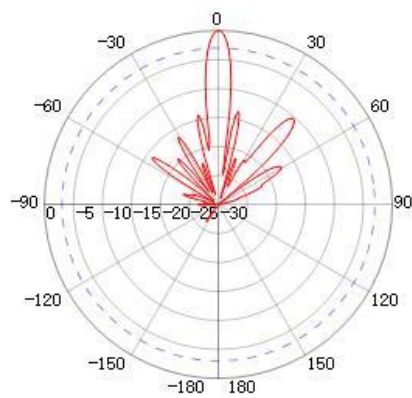
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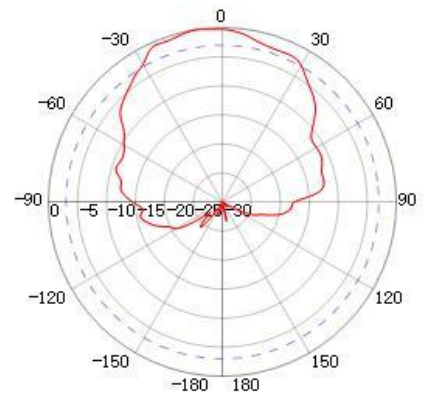
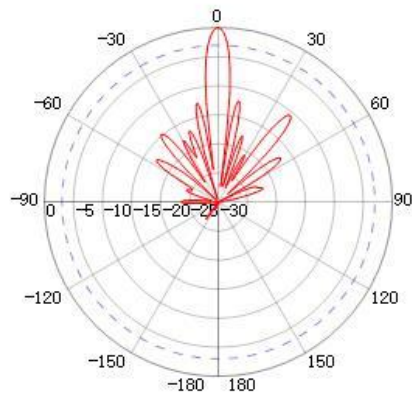
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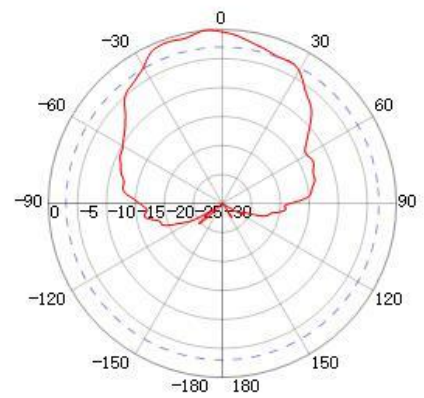
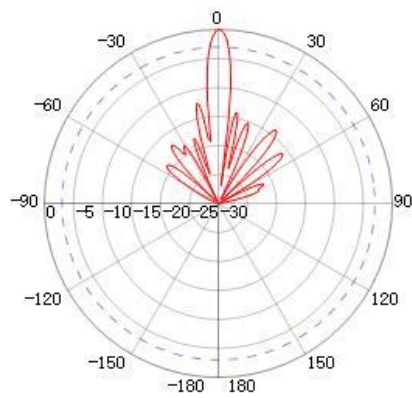
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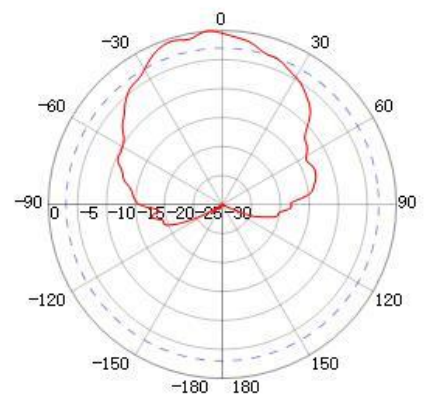
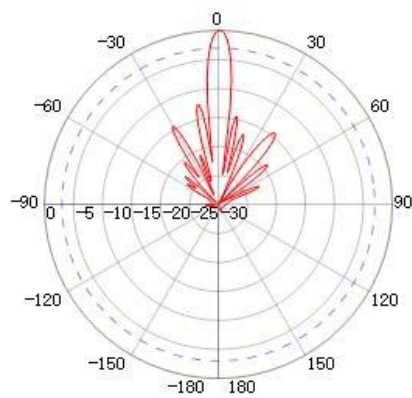
5550MHz



5650MHz



5750MHz



5850MHz

