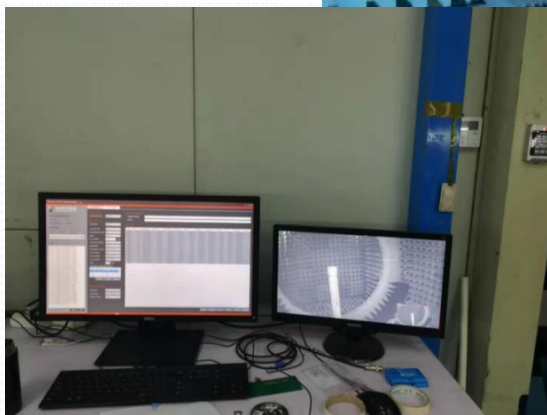
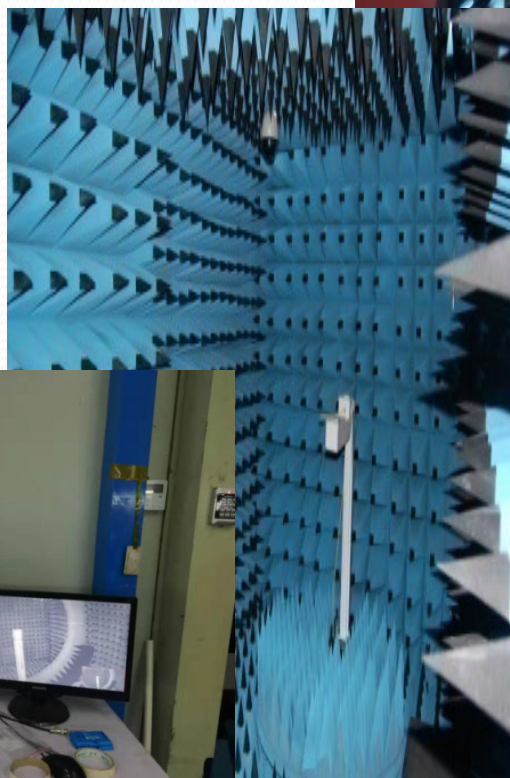
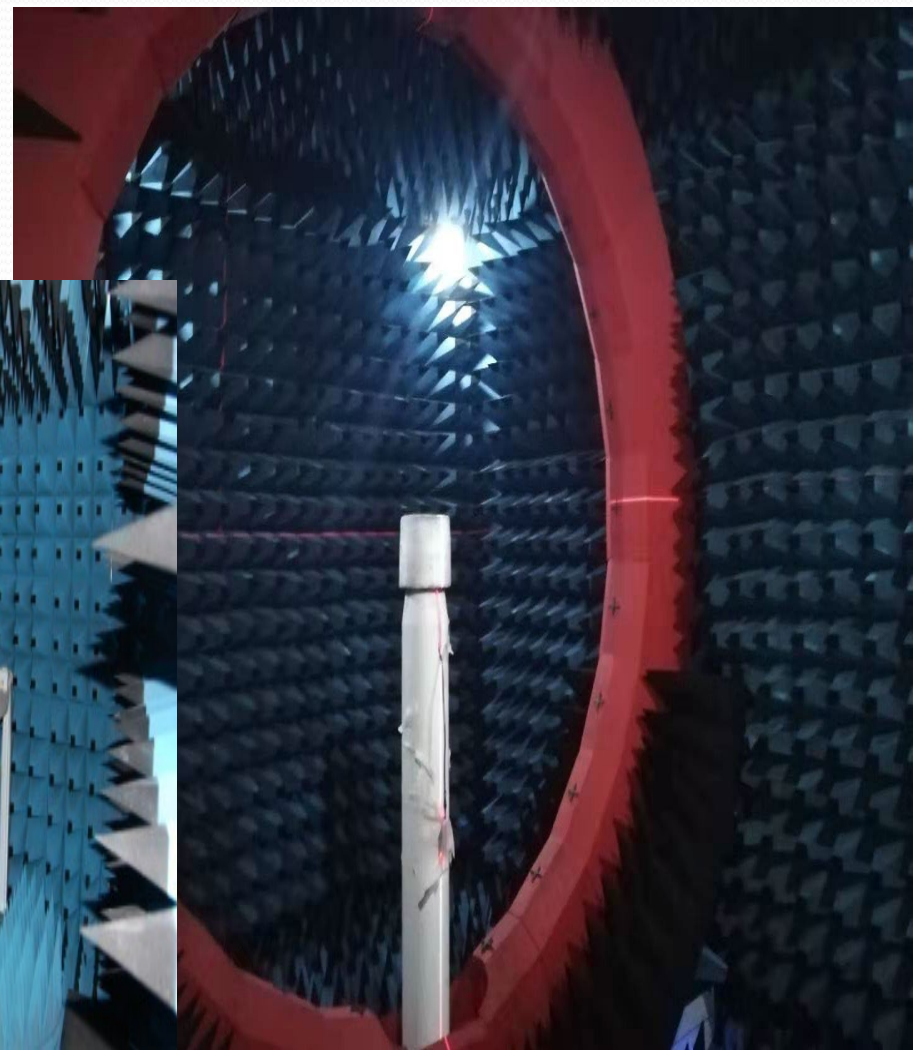


Antenna Specification

Model Name : FH21

目 录 (catalogue) :

- 1.项目概况
- 2.报告版本记录
- 3.公司及测试环境简介
- 4.匹配电路
- 5.天线相关数据
- 6.整机环境处理
- 7.总结



项目概况：

样机状态		调试机器		产品类型		手机	
天线概述							
	频段		结构形式	类型	位置	匹配改动	天线版本号
主天线	GSM	850/900/1800/1900	LDS+弹片				
	WCDMA	B1/2/4/5/8					
	LTE	B1/2/3/4/5/7/8/19/20/28/38/40/41					
其他天线	DIV	WCDMAB1/2/4/5/8 LTEB1/2/3/4/5/7/8/19/20/28/38/40/41	LDS+弹片				
	GPS/WIFI	GPS1.575G/WIFI2.4/5G	LDS+弹片				
环境处理							

公司介绍（Company profile）

◆上海永辅通通讯技术有限公司；成立于**2016年9月**，是国内先进的移动终端天线企业，公司占地面积**2000**余平方米。在上海，深圳设立了研发中心。

◆主要业务：围绕无线通信智能终端天线领域（在**2G/3G/4G/5G**全频段天线研发技术上积累了大量的经验。包括手机内置天线、笔记本天线、**NFC**、**LDS**、金属边框天线、**GPS**陶瓷天线、北斗天线、模块天线、外置天线、固定台天线、拉杆天线、吸顶天线、美化天线、基站天线、物联互联智能终端所使用小型微波天线、电信电力等天线。）提供产品和服务，满足全产业链的精密模具设计制造、注塑成型、表面涂装、轻金属机壳制造要求，产品广泛应用于手机、**PAD**、可穿戴设备、笔记本电脑、汽车、安防监控等领域。

研发设备



Agilent E5071C



Agilent 8753E



Agilent 8714ET



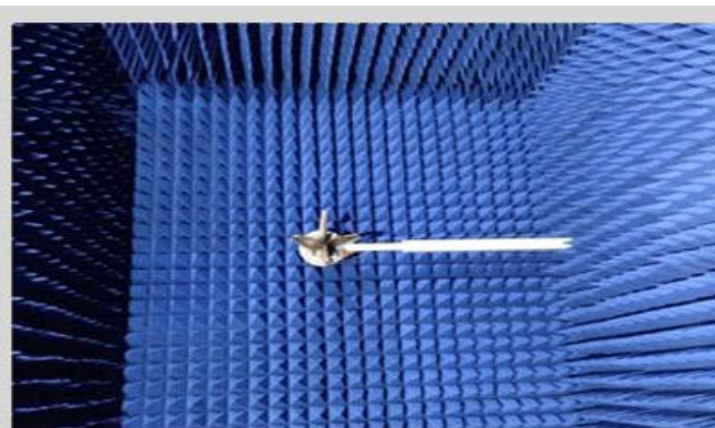
Agilent 8960 Series10



Satimo 暗室内景(2)



Satimo 暗室内景(2)



Satimo 暗室内景(3)



Satimo控制机柜



企业概况

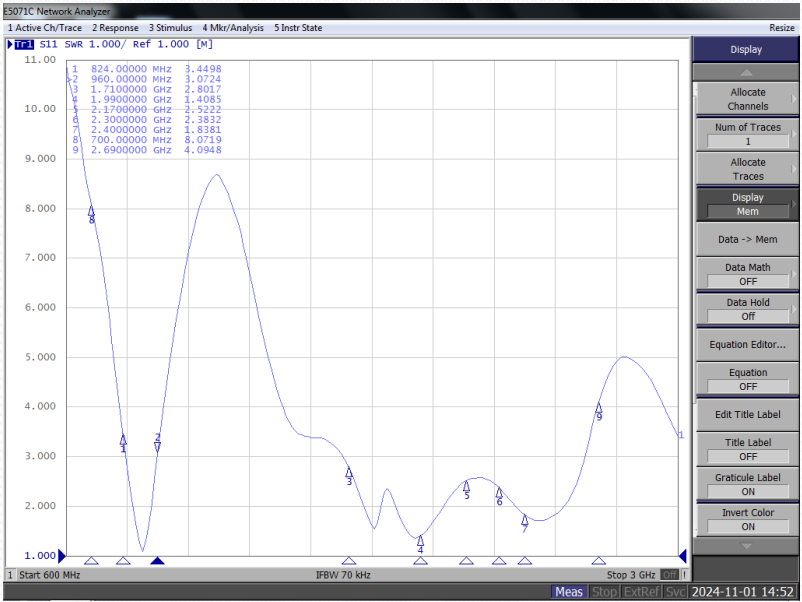
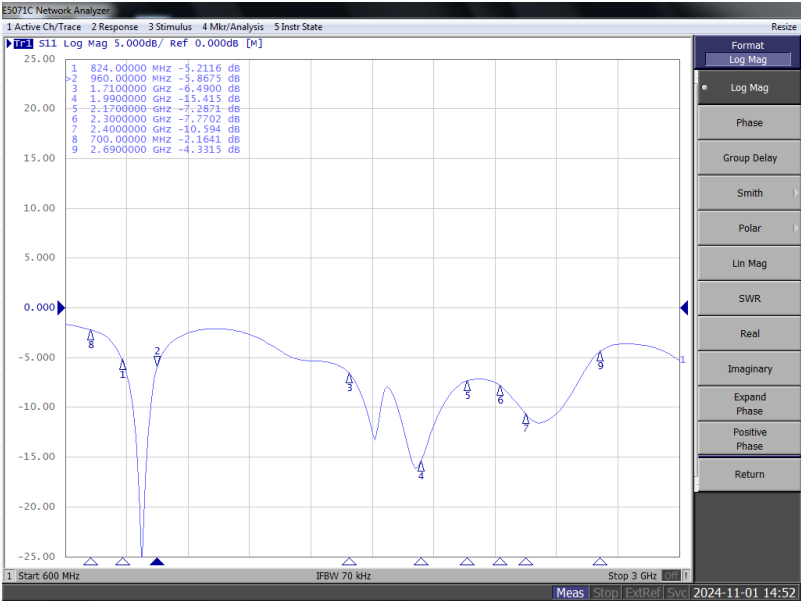
研发设备

团结进取 开拓创新
优质高效 追求卓越

S11-MAIN

RL

VSWR

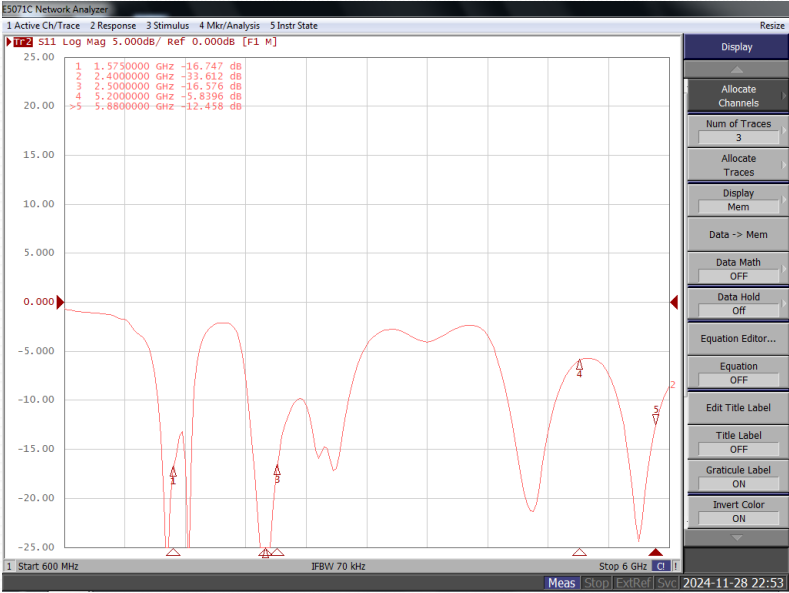


EFFI-MAIN

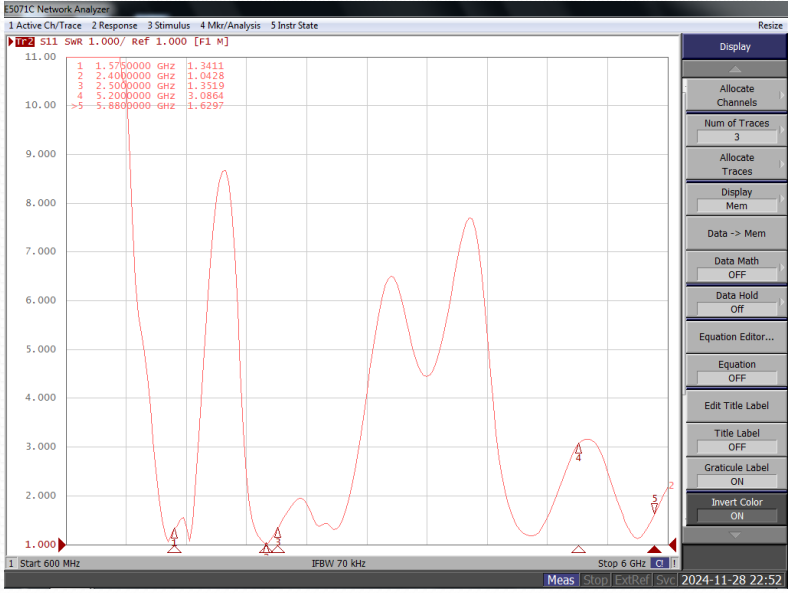
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820	-3.86	16.62	1710	0.12	26.42	2300	1.12	25.40
840	-2.89	23.71	1730	0.03	27.68	2320	1.32	26.07
860	-1.88	26.88	1750	0.00	28.04	2340	0.99	24.11
880	-1.24	32.43	1770	0.12	29.17	2360	0.58	22.39
900	-1.32	31.24	1790	0.8	33.74	2380	0.69	22.19
920	-2.07	25.12	1810	0.27	32.51	2400	1.19	23.32
940	-3.29	20.96	1830	-0.31	27.97	2420	0.91	20.80
960	-5.07	16.18	1850	-0.75	21.90	2440	1.05	22.40
			1870	0.31	25.31	2460	0.86	23.53
			1890	1.15	30.03	2480	1.15	24.56
			1910	1.82	32.65	2500	1.53	25.04
			1930	2.11	36.06	2520	1.9	26.64
			1950	2.02	38.80	2540	2.07	28.75
			1970	1.9	39.79	2560	2.06	28.21
			1990	2.28	41.79	2580	2.05	28.32
			2010	1.83	36.39	2600	1.9	28.17
			2030	1.56	35.24	2620	1.79	27.03
			2050	1.52	35.36	2640	1.33	25.08
			2070	2.07	36.05	2660	0.85	23.84
			2090	1.71	33.32	2680	0.3	21.71
			2110	1.79	35.72	2690	0.14	21.56
			2130	1.85	33.83	2700	0.15	22.09
			2150	1.94	32.68			
			2170	1.61	30.56			

S11-GPS/WIFI2. 4/5G

RL



VSWR



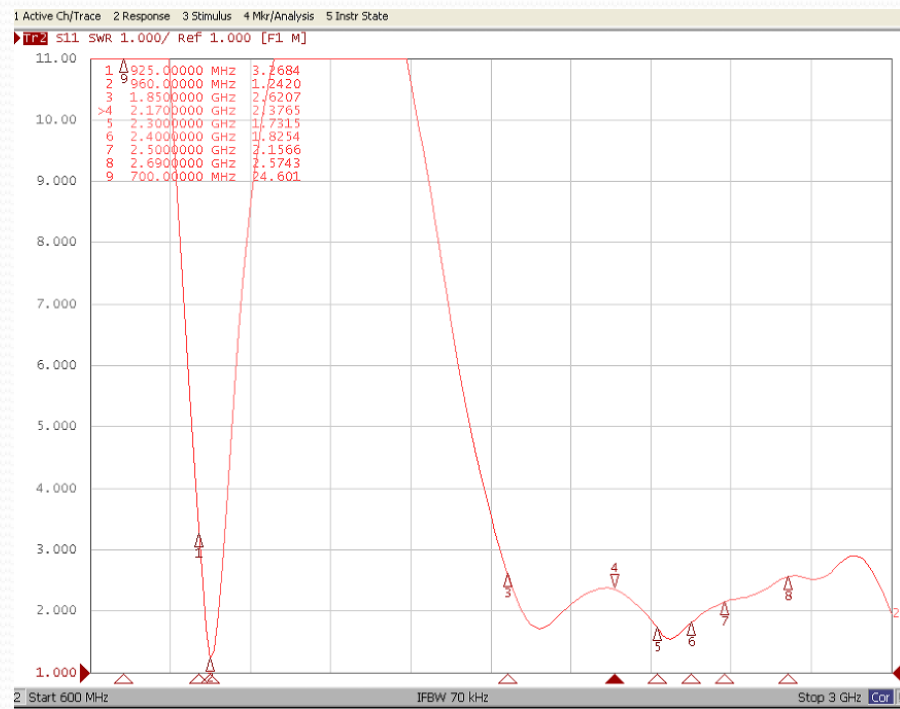
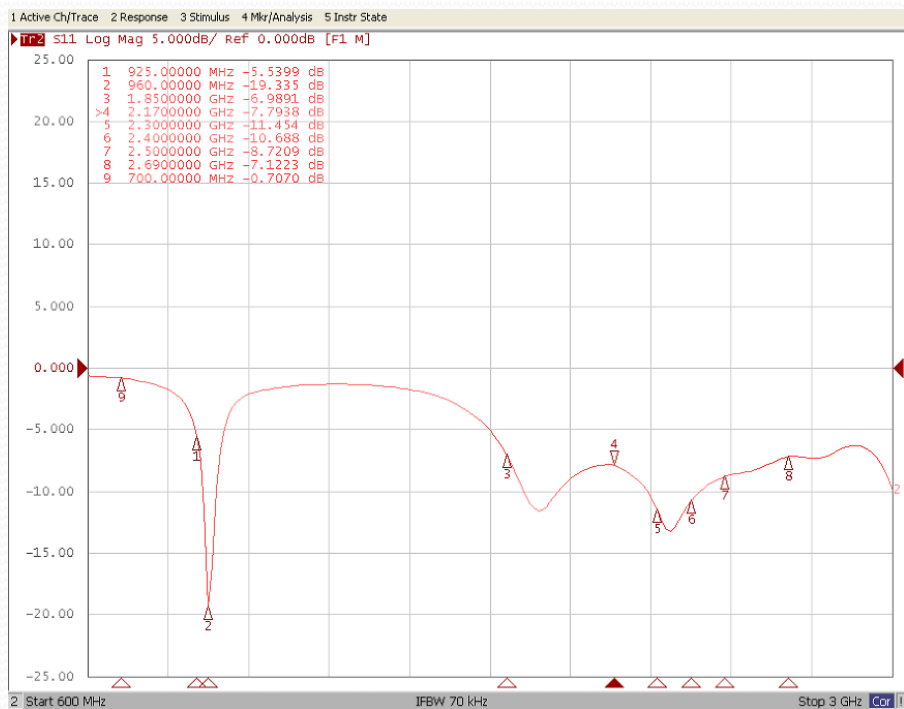
EFFI-GPS/WIFI2. 4/5G

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1500	0.67	28.59	2400	-0.44	40.83	5150	-0.36	28.55			
1510	0.55	28.46	2410	-0.31	43.66	5200	-0.3	28.08			
1520	0.57	29.54	2420	-0.45	42.38	5250	-0.79	26.09			
1530	0.42	29.05	2430	-0.16	42.88	5300	-0.04	28.54			
1540	0.31	27.87	2440	-0.03	43.32	5350	0.28	31.23			
1550	0.34	32.70	2450	-0.17	42.13	5400	0.49	31.97			
1560	0.18	30.06	2460	-0.2	42.07	5450	0.8	33.35			
1570	0.21	30.46	2470	-0.44	39.94	5500	1.39	32.95			
1575	0.96	31.49	2480	-0.15	41.15	5550	1.03	31.06			
1580	0.44	29.90	2490	0.26	42.95	5600	1.99	34.00			
1590	0.45	28.91	2500	0.08	40.80	5650	1.41	34.13			
1600	0.24	27.34				5700	1.97	39.90			
1610	0.08	28.26				5750	1.22	31.16			
						5800	1.17	29.26			
						5850	0.63	30.77			

S11-DIV

RL

VSWR



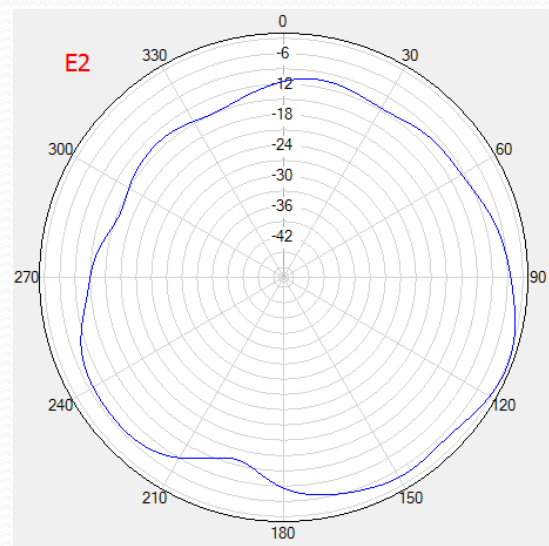
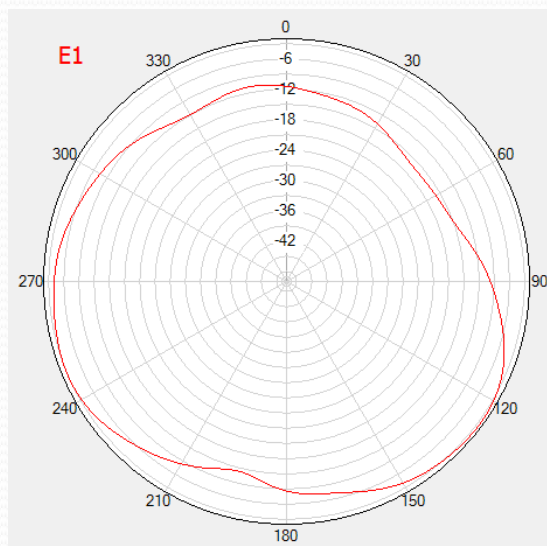
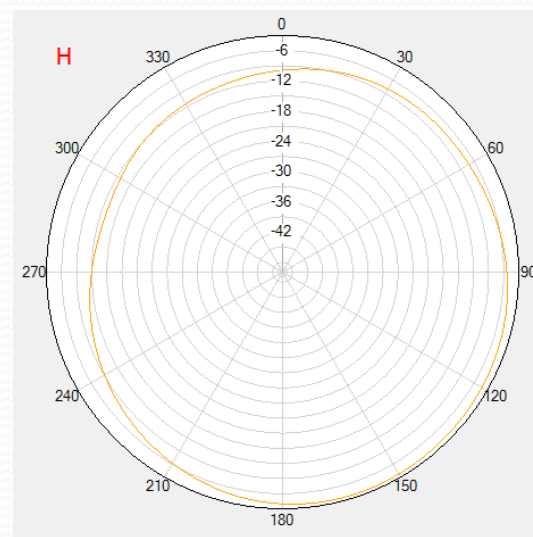
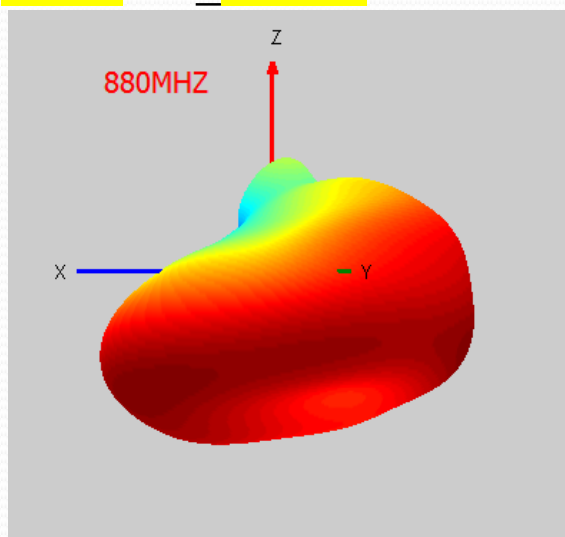
EFFI-DIV

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
760	-11.5	5.54	1850	0.35	27.28	2300	-0.46	25.65
780	-10.35	6.76	1870	0.42	28.81	2320	-0.29	25.33
800	-9.11	8.85	1890	0.94	31.46	2340	-0.24	24.17
820	-7.89	10.85	1910	1.1	31.49	2360	-0.7	21.64
840	-6.27	13.11	1930	0.94	32.19	2380	-0.7	20.01
860	-4.82	15.95	1950	0.64	32.00	2400	-0.69	18.77
880	-3.38	19.18	1970	0.59	31.85	2420	-0.71	19.10
900	-2.44	21.17	1990	0.95	34.08	2440	-1.41	18.39
920	-4.54	18.03	2010	0.06	29.51	2460	-2.1	19.11
940	-2.64	25.70	2030	-0.48	28.17	2480	-2.59	19.44
960	-1.47	31.79	2050	-0.17	28.00	2500	-1.97	21.51
980	-1.45	33.04	2070	0.08	28.37	2520	-2.09	21.48
			2090	-0.23	28.18	2540	-1.74	22.30
			2110	-0.22	29.09	2560	-1.52	22.65
			2130	0.25	29.45	2580	-1.52	23.30
			2150	0.29	29.48	2600	-1.44	23.58
			2170	0.34	30.69	2620	-1.38	23.43
						2640	-1.77	22.78
						2660	-2.07	22.85
						2680	-2.68	21.55
						2690	-2.81	21.74
						2700	-2.85	22.11

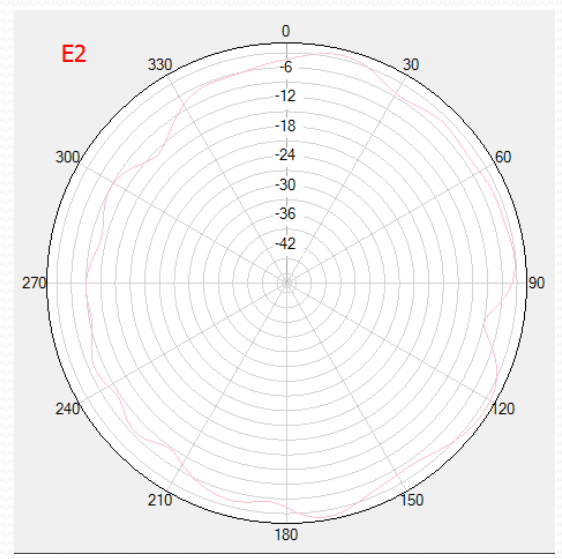
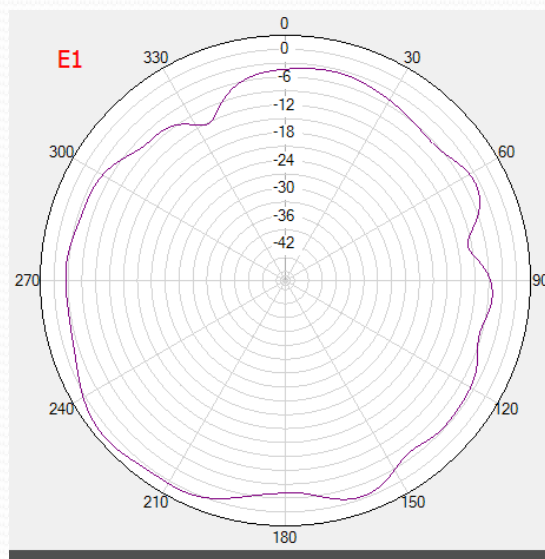
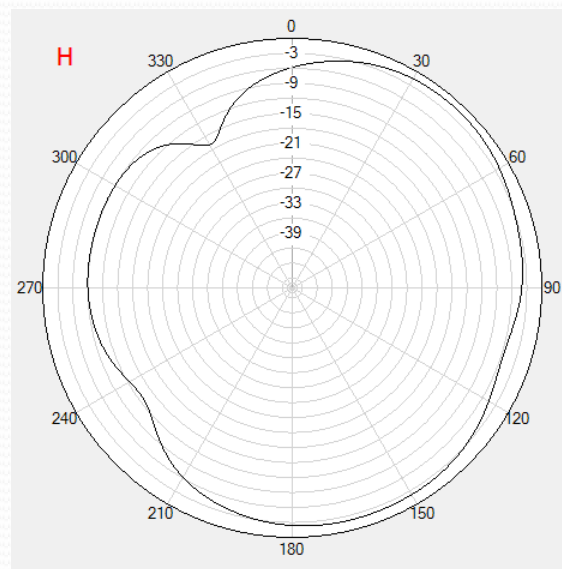
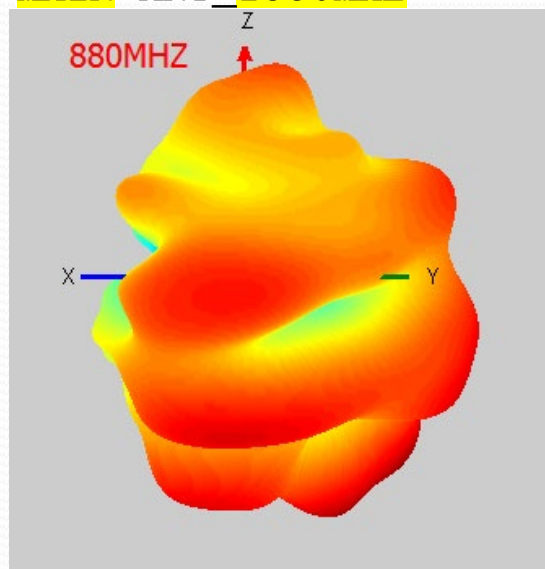
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RF2-B5/28/B1/2/3/4/39

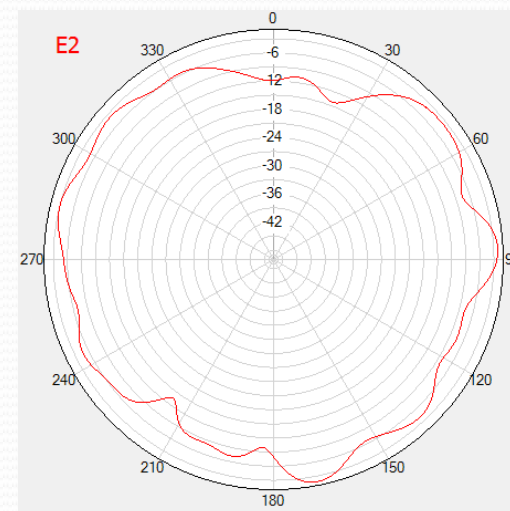
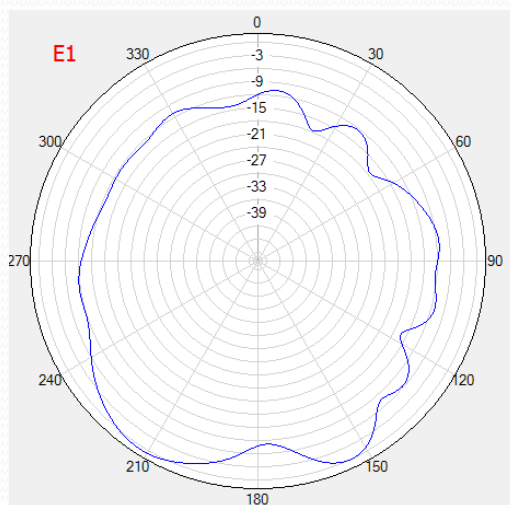
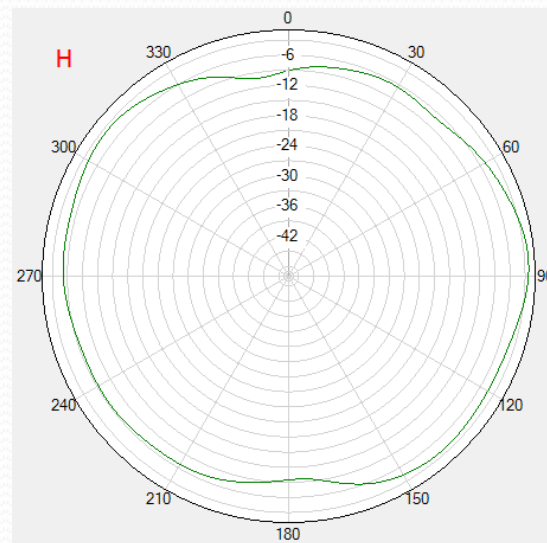
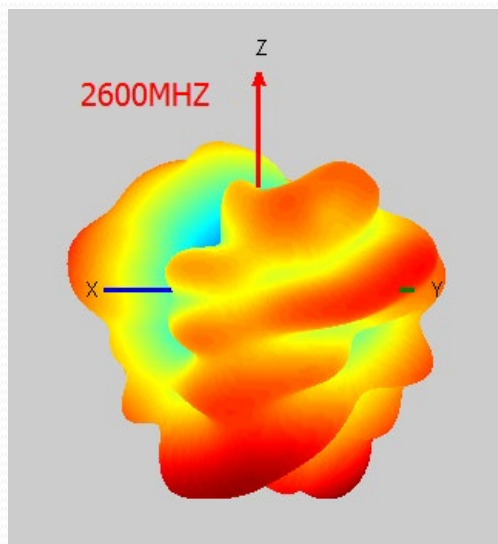
3D/2D场型图-MAIN ANT_880MHZ



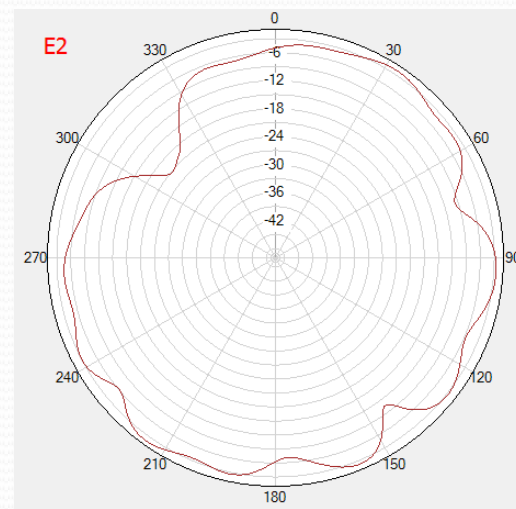
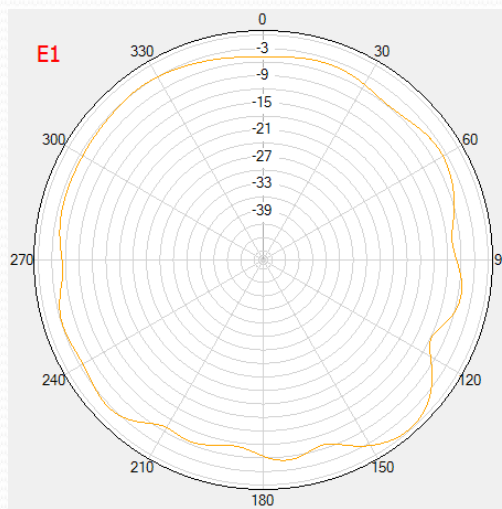
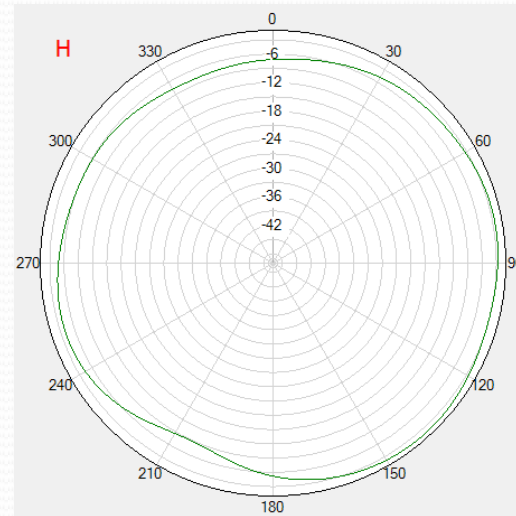
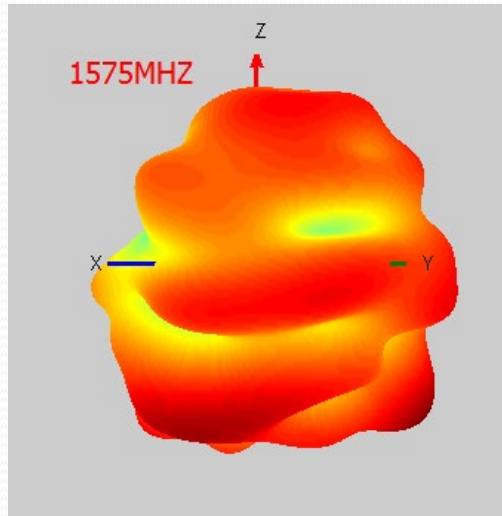
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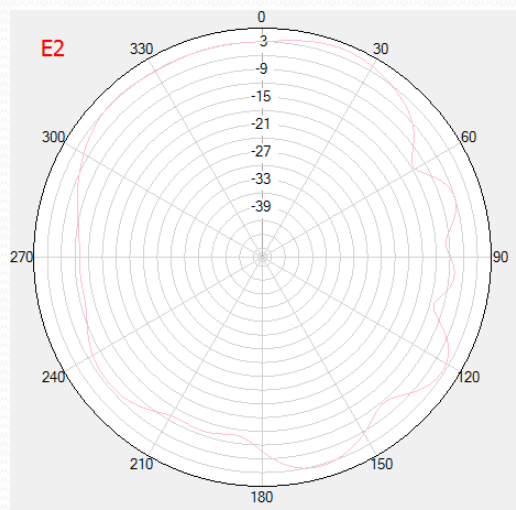
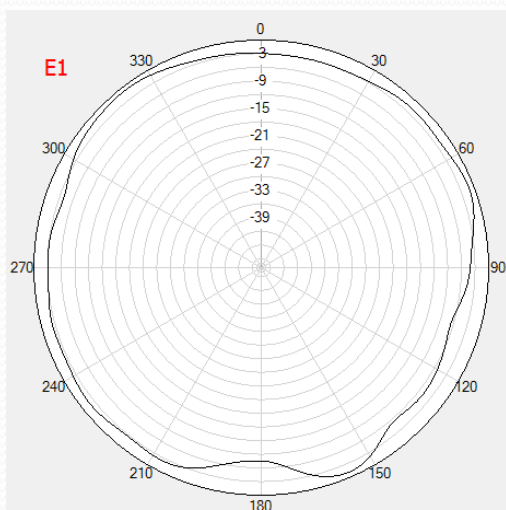
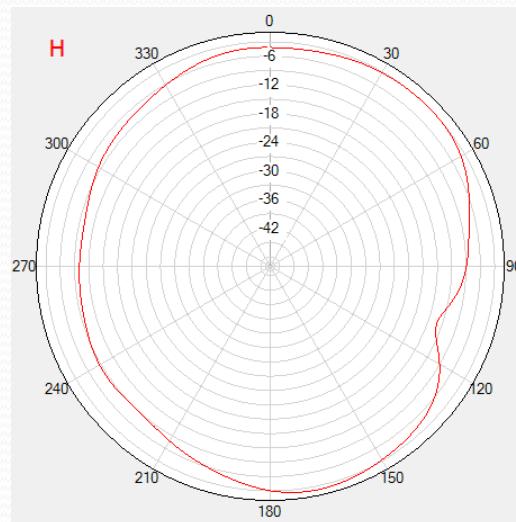
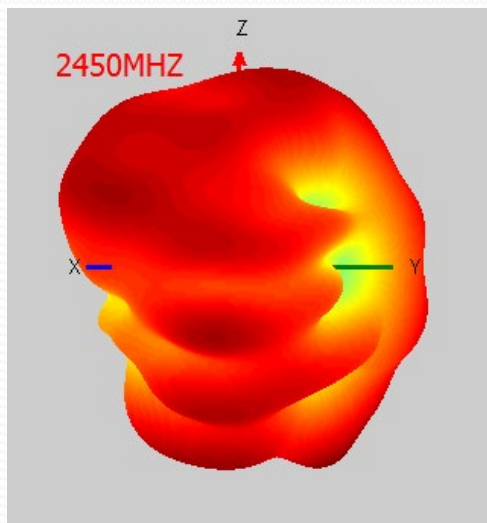
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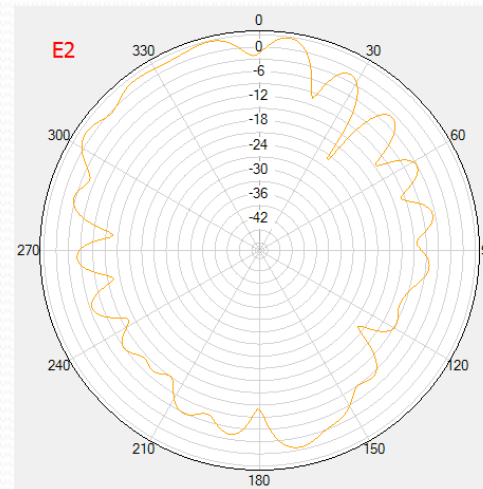
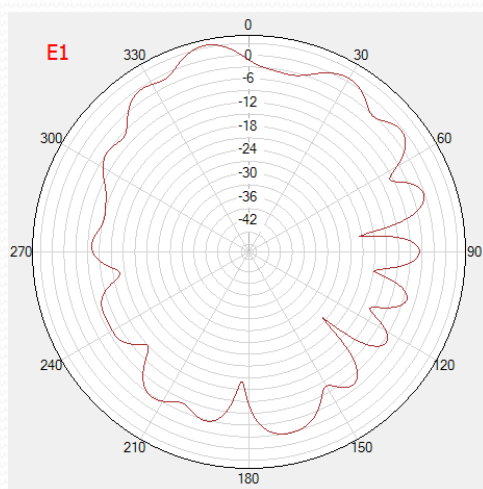
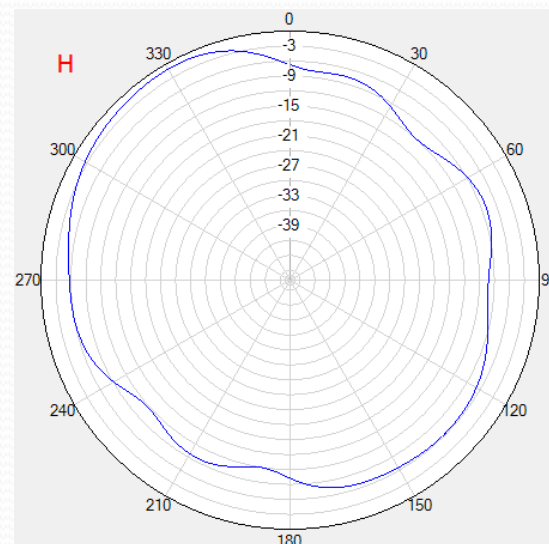
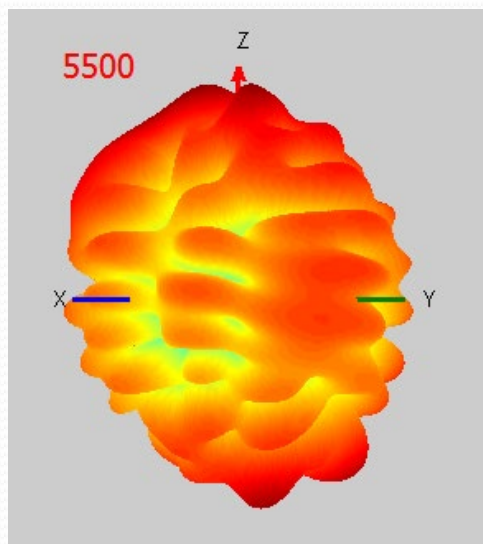
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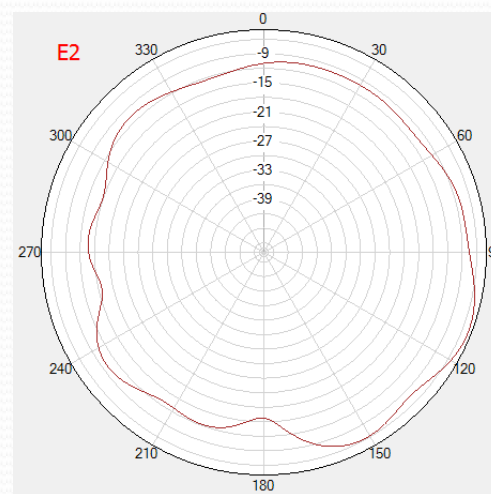
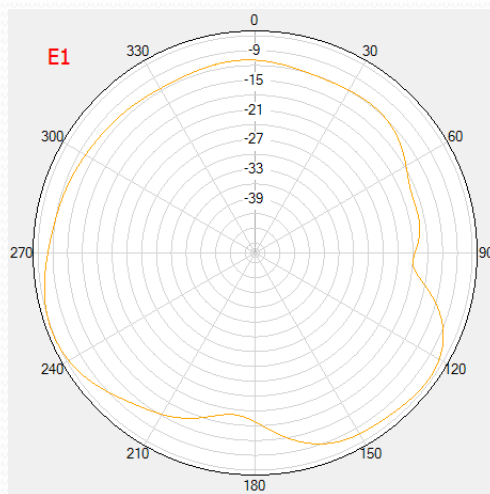
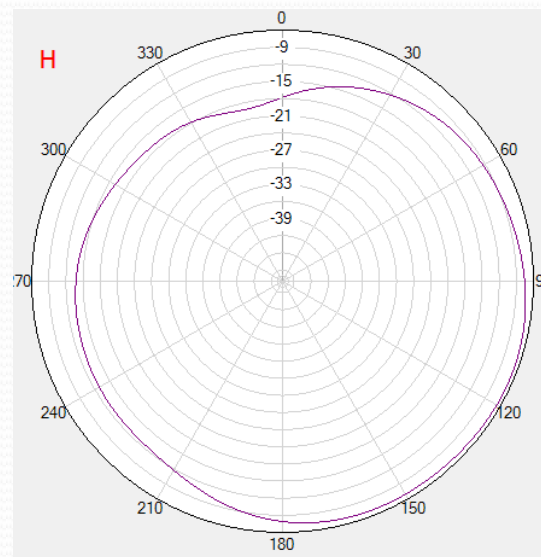
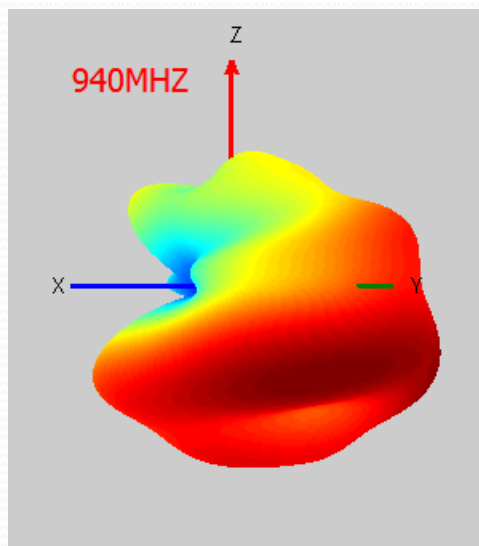
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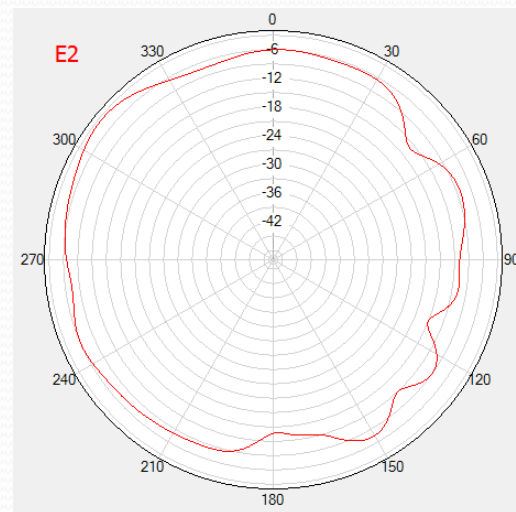
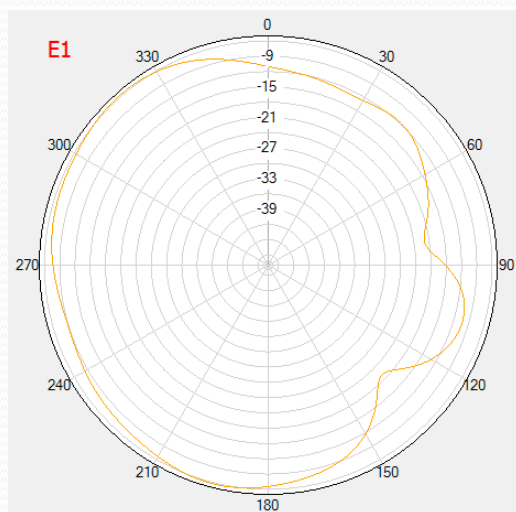
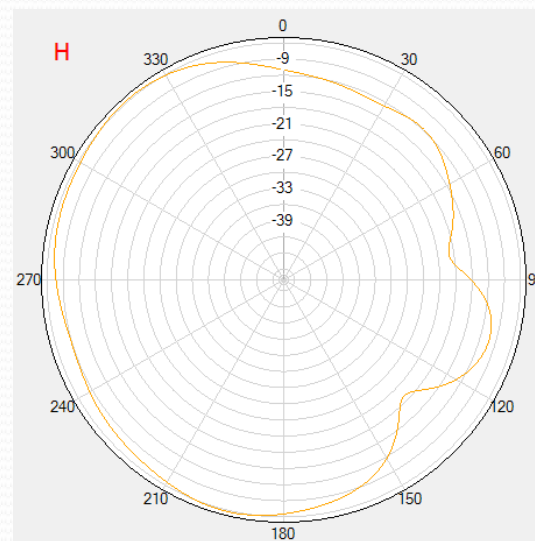
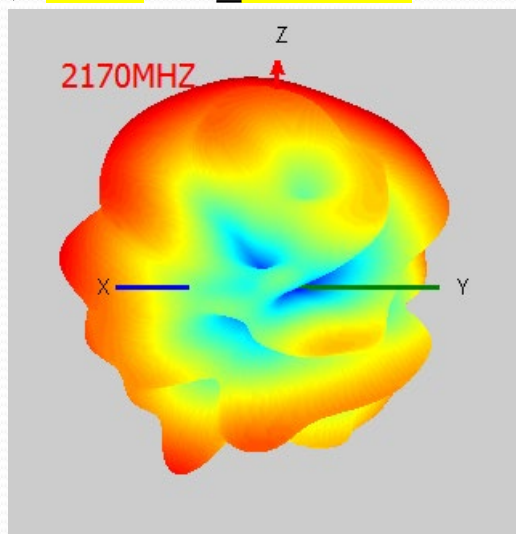
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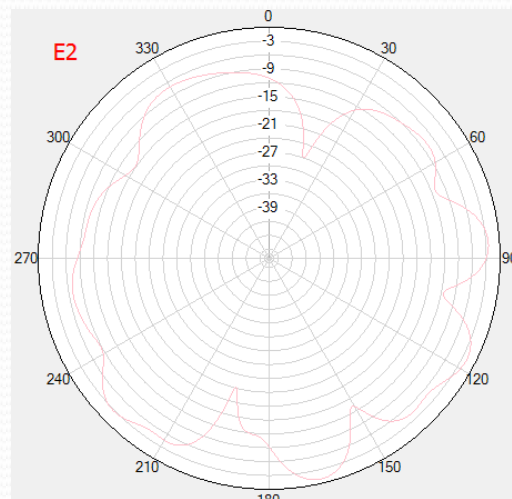
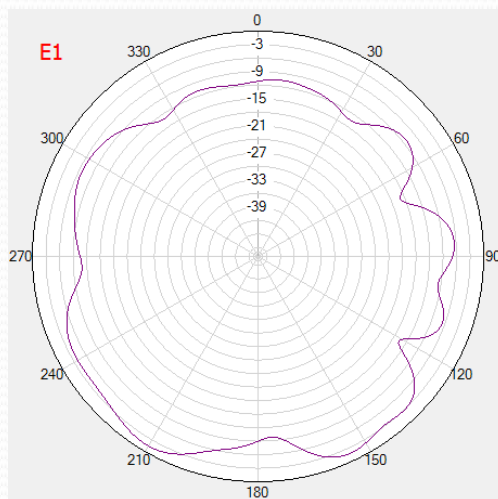
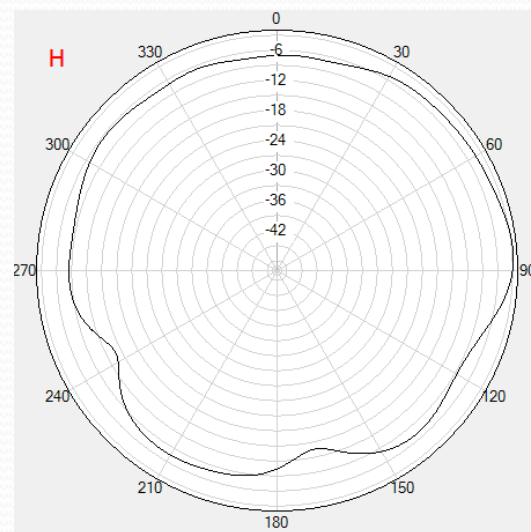
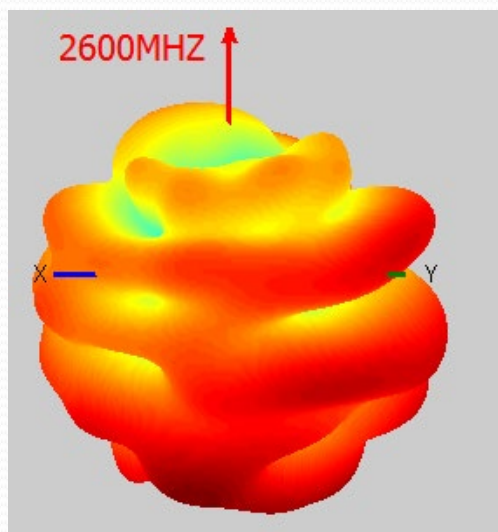
3D/2D场型图-DIV ANT_940MHZ



3D/2D场型图-DIV ANT_2170MHZ



3D/2D场型图-DIV ANT_2600MHZ



THANK
YOU