

# 测试报告书

## Test report

Model Name : R108

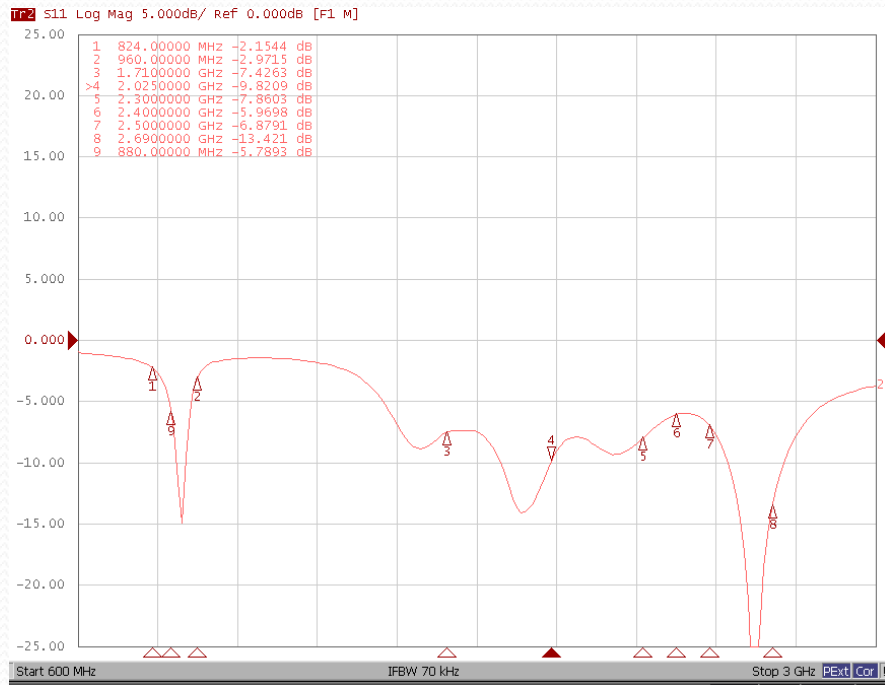
2023 年 09月17日

**项目概况：**

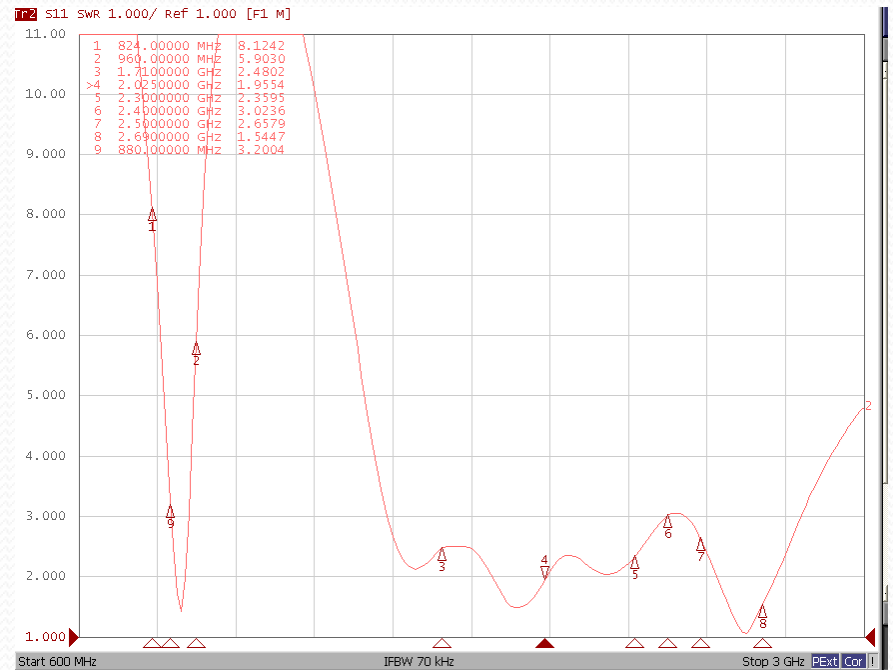
customer		SEUIC	项目名称 Model	R108
NO.	ITEMS	DETAILS		
1	frequency band	Main ant/DIV: GSM: Qual Band(850/900/1800/1900Mhz)/WCDMA: Band2, Band4, Band5, Band8 TDD-LTE: Band38, Band39, Band41;FDD-LTE: Band2, Band4, Band 5, Band7, Band8, Band12, Band 17 ,Band13, Band25, Band26, Band66 ,Band71 WIFI/GPS ANT1:WIFI2. 4G/5. 8G/GPSL1 WIFI/GPS ANT2:WIFI2. 4G/5. 8G/GPSL5 NFC:13. 56MHZ		
2	customer	SEUIC Technologies Co., Ltd.		
3	Available antenna space	/		
4	Feed point type	pin+LDS		
5	Part affect antenna performance	SCANNER, SPEAKER		
6	ANT type	Internal ANT		
7	NOTE			
RF	chen baoming	E-mail	baoming@yfttec.com	
ME	Wu Xiaofang	E-mail	xiaofang_wu@yfttec.com	

# MAIN ant -S11

## LG



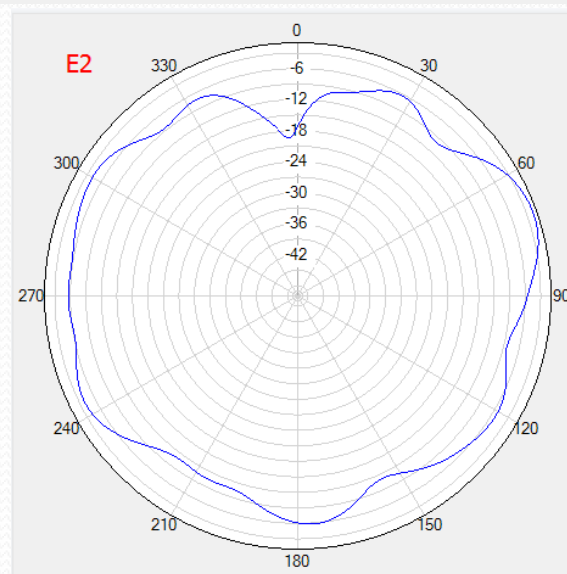
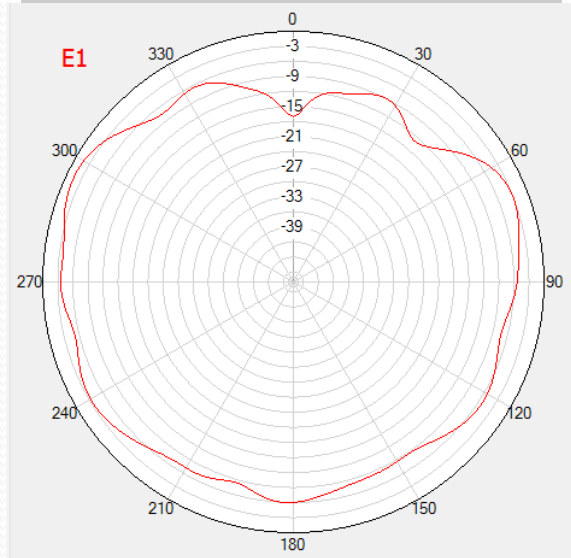
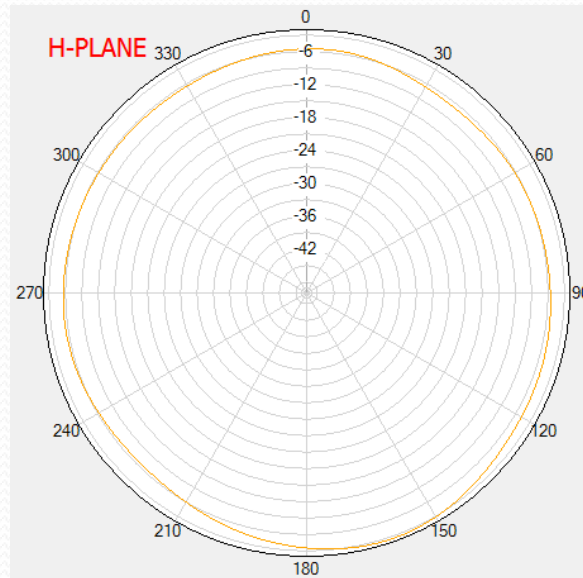
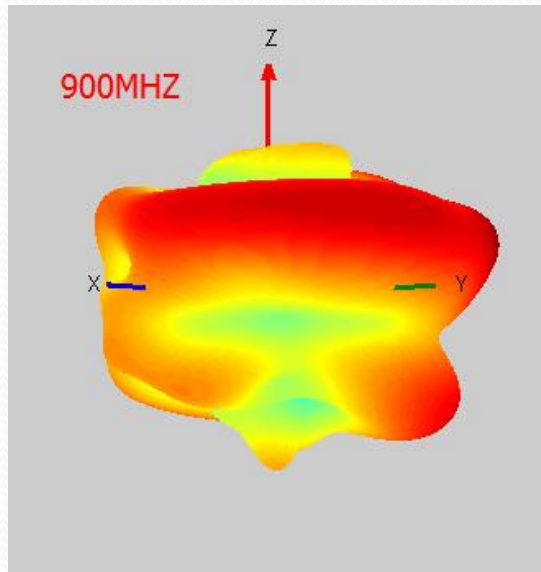
## VSWR



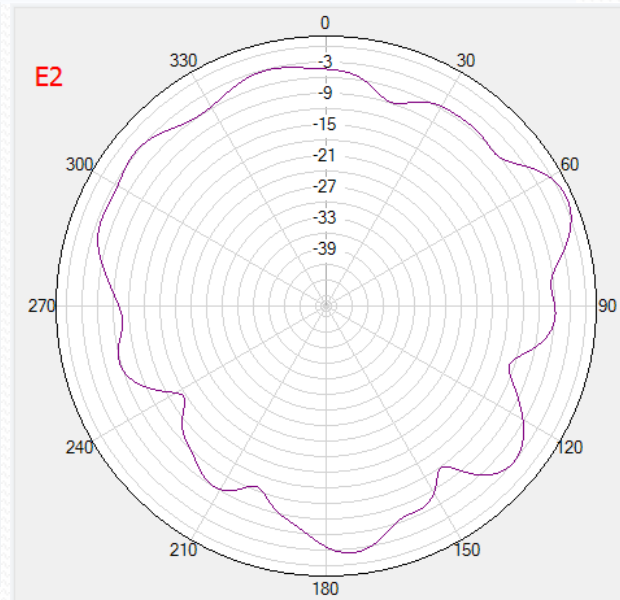
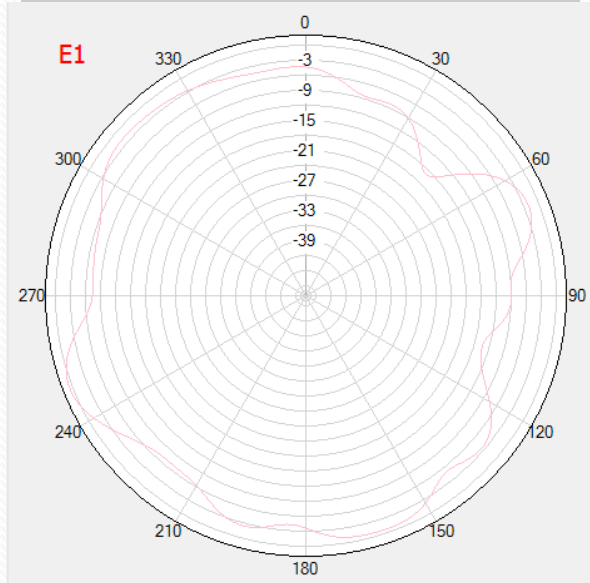
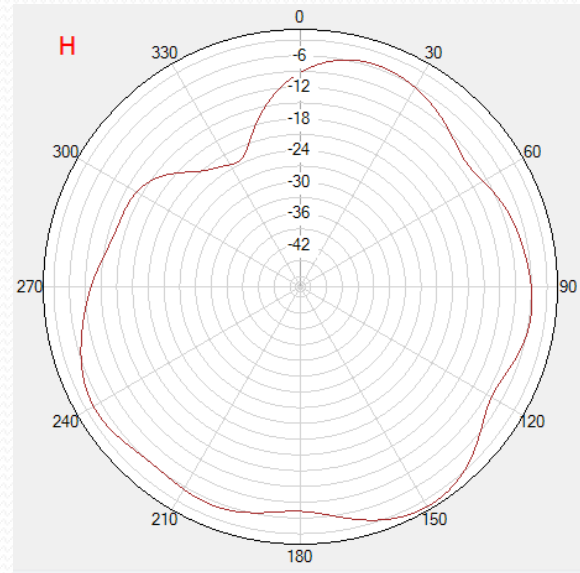
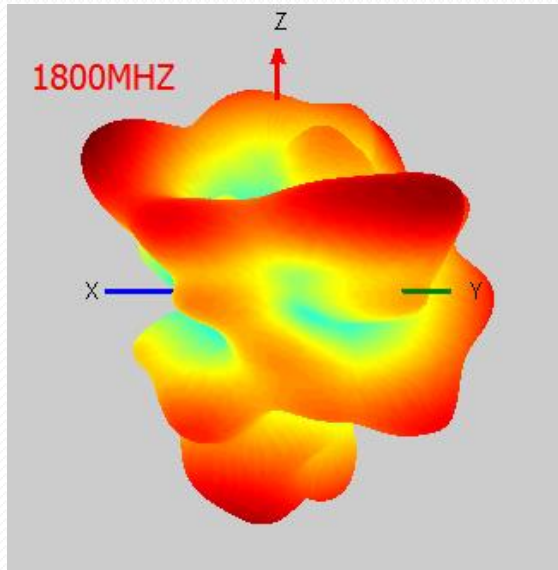
# MAIN ant -EFFI

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(%)
600	-2.36	18.78	1710	0.24	26.77	2300	1.08	20.72
620	-1.56	21.01	1730	0.22	26.01	2320	0.65	19.49
640	-1.28	23.66	1750	0.86	28.36	2340	0.49	20.5
660	-1.36	24.35	1770	0.75	29.01	2360	0.58	20.85
680	-1.99	18.75	1790	1.12	31	2380	0.19	19.61
700	-0.79	23.55	1810	1.39	31.93	2400	0.1	20.08
720	-0.4	24.44	1830	0.96	30.14	2420	1.03	24.11
740	0.12	27.45	1850	0.52	29.55	2440	1.53	24.39
760	-0.58	23.35	1870	0.59	29.79	2460	1.85	26.07
780	-1.44	18.42	1890	0.89	29.35	2480	2.28	27.8
800	-1.98	20.18	1910	1.18	29.63	2500	3.36	33.34
820	-0.75	23.56	1930	1.06	30.04	2520	3.54	33.99
840	-0.46	26.62	1950	0.81	27.97	2540	3.93	35.33
860	-0.17	27.4	1970	0.65	25.08	2560	3.95	35.82
880	-0.8	31.28	1990	0.84	24.78	2580	4.16	39.02
900	-0.18	32.75	2010	0.53	23.72	2600	4.25	39.65
920	-0.64	24.57	2030	0.25	21.69	2620	4.13	39.05
940	-2.06	20.03	2050	0.9	22	2640	4.25	41.09
960	-4.08	14.06	2070	0.81	20.37	2660	4.23	41.83
			2090	0.29	18.2	2680	4.24	41.29
			2110	0.17	17.45	2690	4.25	41.17
			2130	0.93	19.15			
			2150	1.07	19.63			
			2170	1.45	20.72			

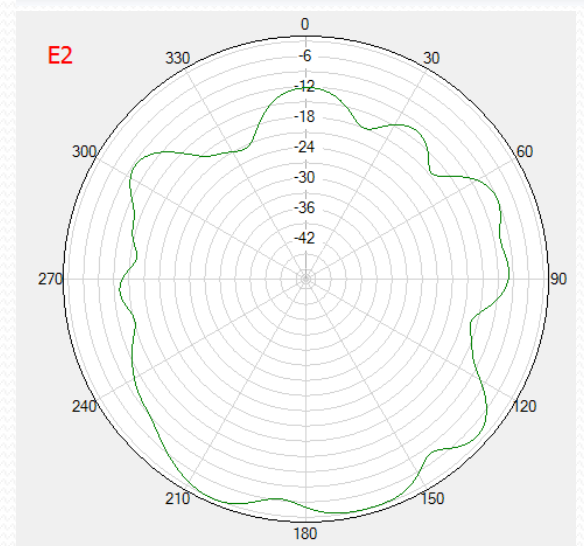
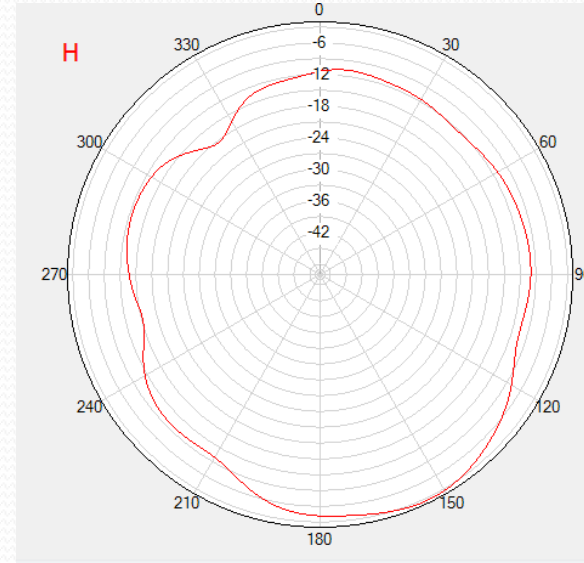
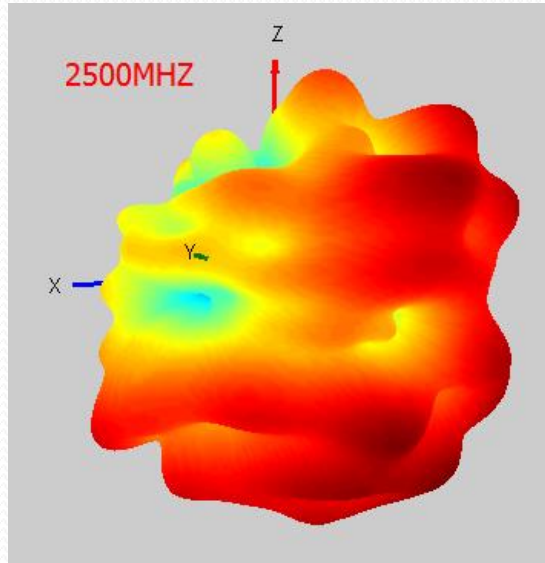
# MAIN ant - 2D&3D Chart of 900MHz



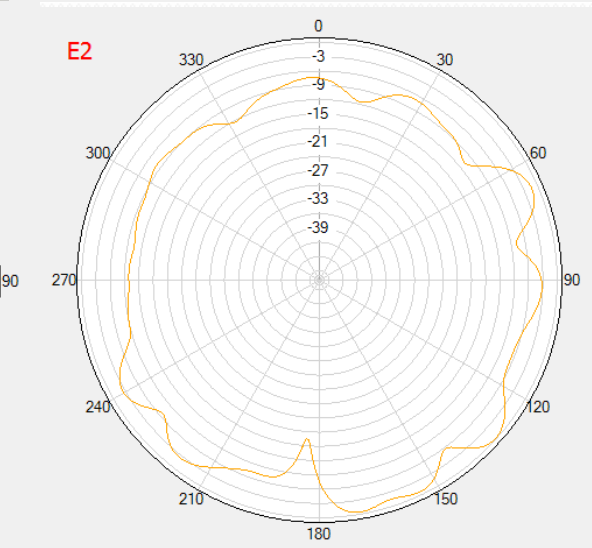
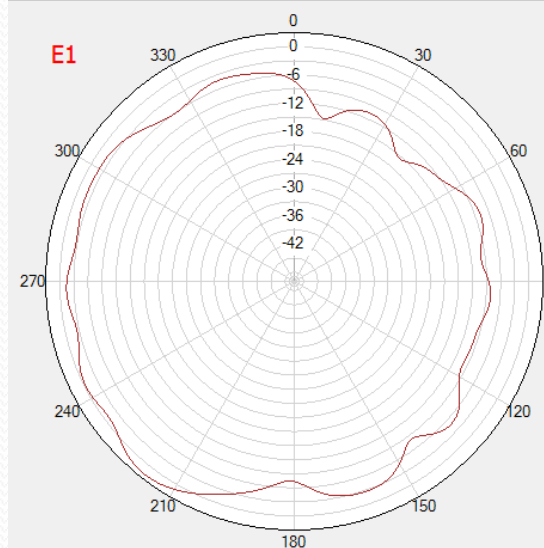
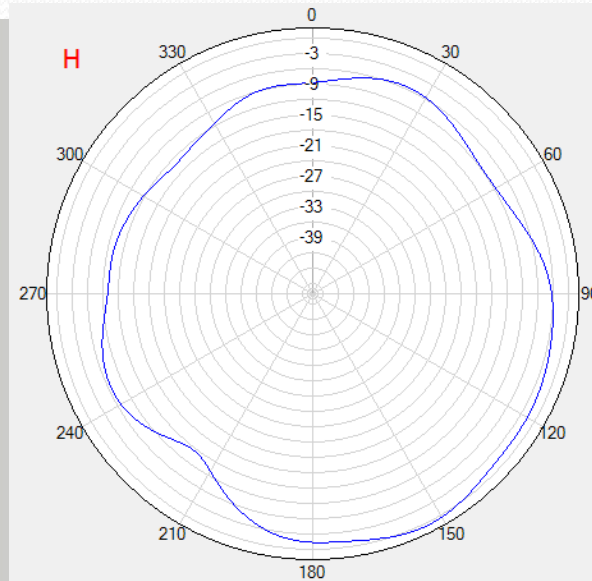
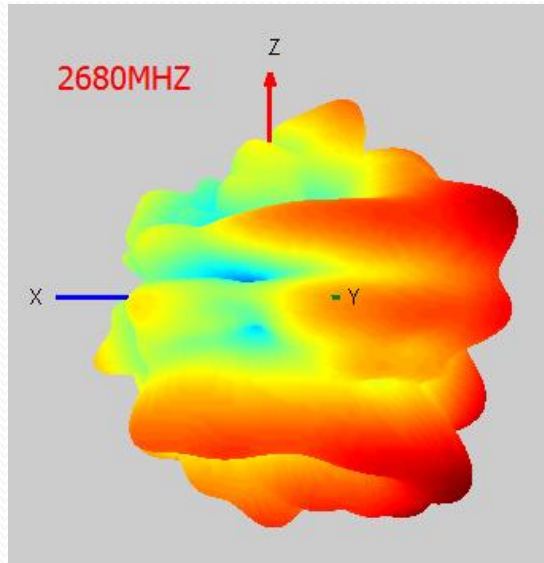
# MAIN ant - 2D&3D Chart of 1800Mhz



# MAIN ant - 2D&3D Chart of 2500Mhz



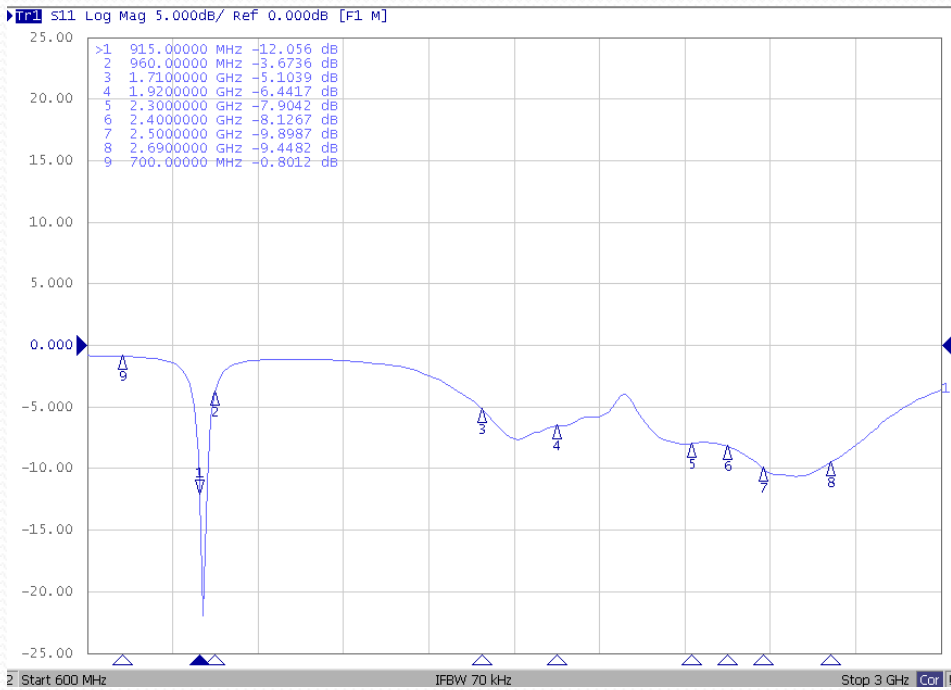
# MAIN ant - 2D&3D Chart of 2680Mhz



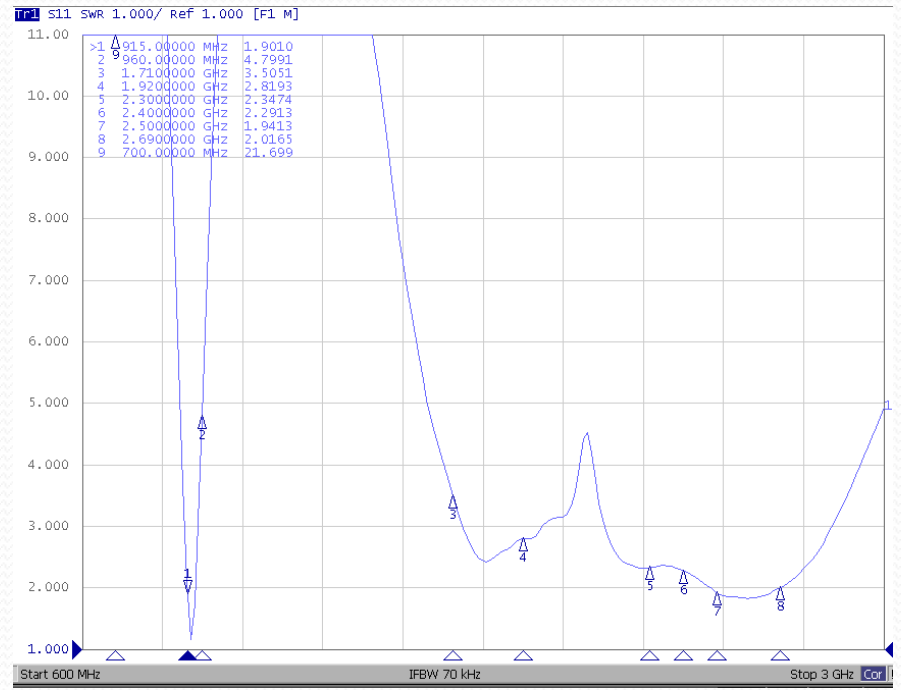


# DIV ant -S11

## LG



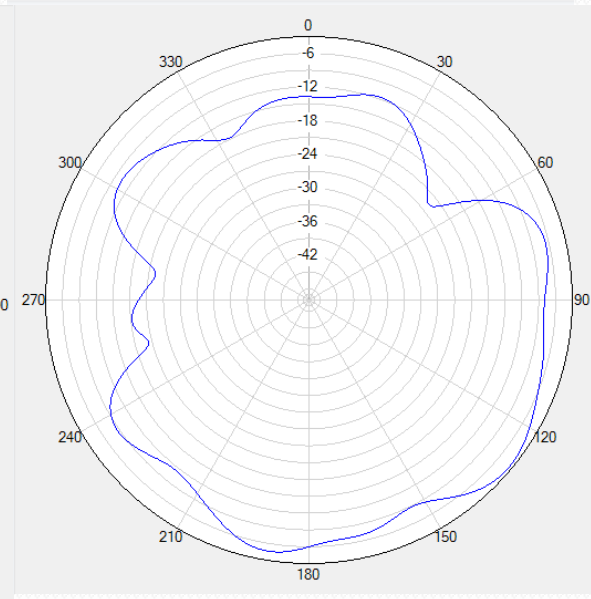
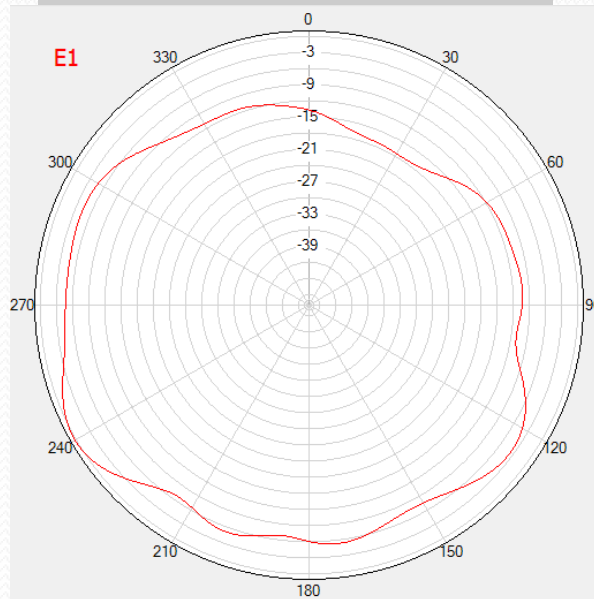
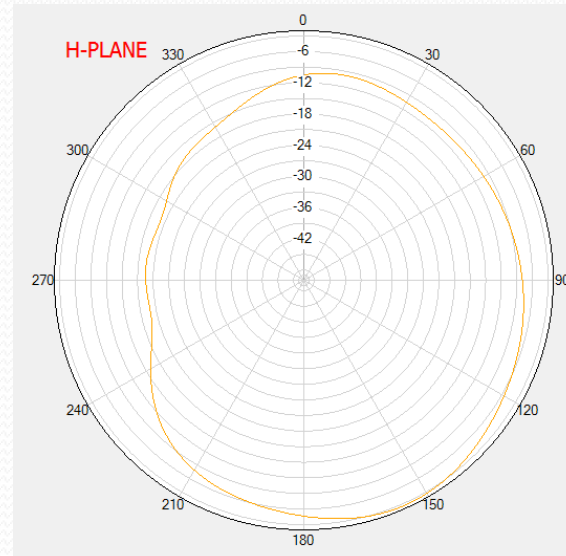
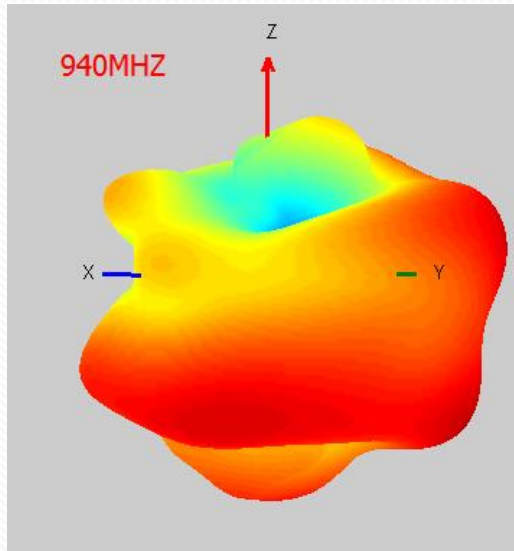
## VSWR



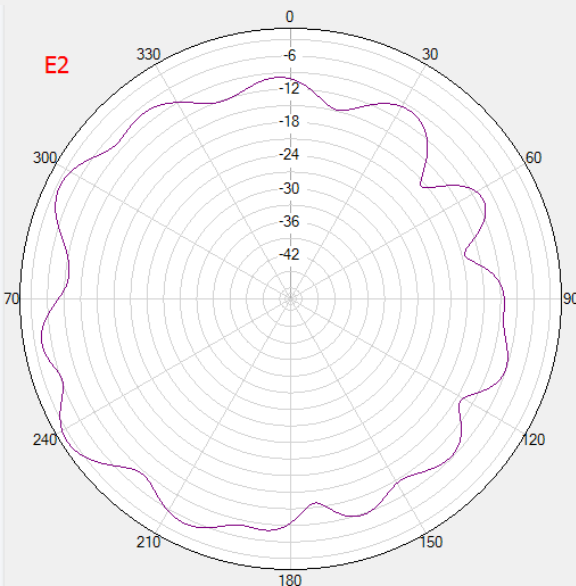
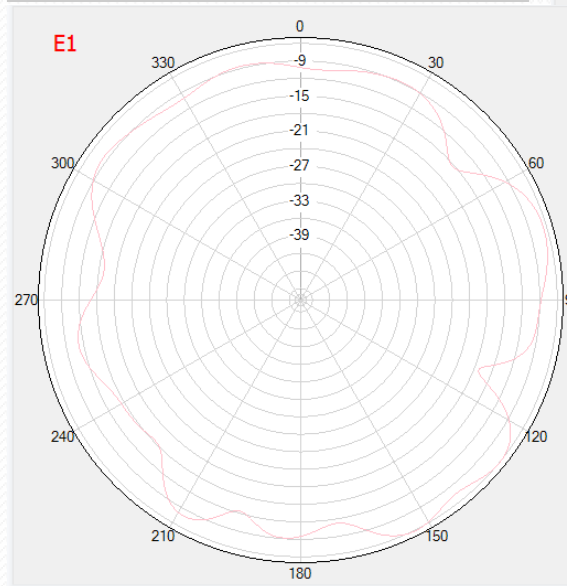
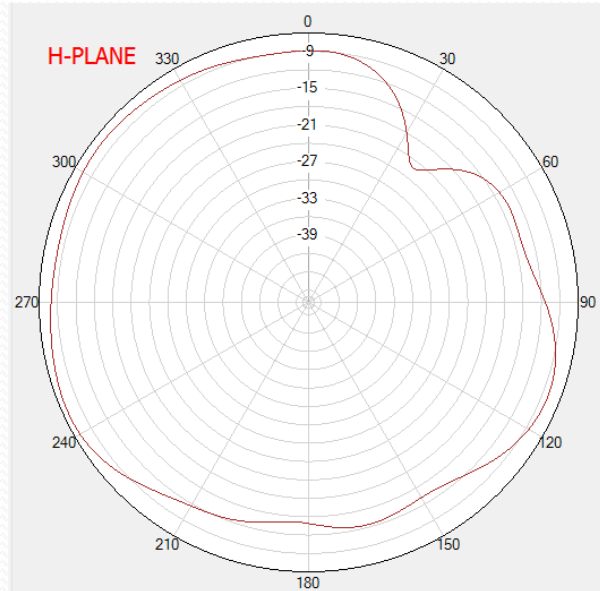
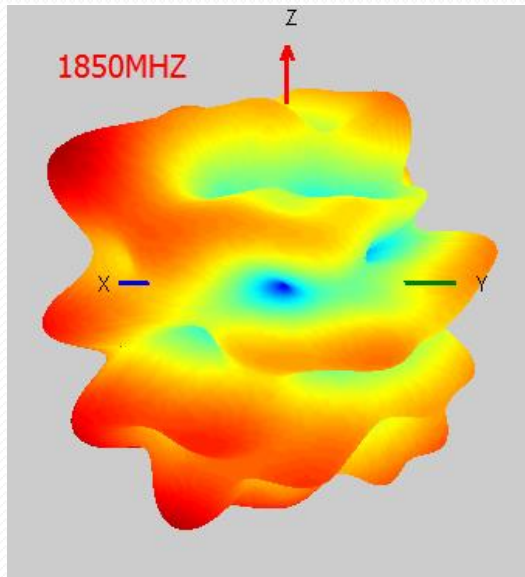
# DIV ant -EFFI

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(%)
700	-5.62	10.25	1710	1.12	30.36	2300	2.24	26.91
720	-4.18	12.35	1730	1.42	30.71	2320	2.27	28.05
740	-3.68	15.67	1750	1.74	31.32	2340	2.2	28.83
760	-3.08	18.56	1770	2.35	36.41	2360	1.81	26.70
780	-4.36	16.85	1790	2.74	40.23	2380	2.13	28.67
800	-2.5	19.27	1810	2.52	35.71	2400	2.23	29.74
820	-2.4	20.56	1830	2.59	36.26	2420	1.96	28.61
840	-1.52	20.56	1850	2.14	35.36	2440	1.63	27.28
860	-1.34	17.85	1870	2.03	33.84	2460	1.47	26.03
880	-2	14.62	1890	1.88	31.05	2480	2.02	29.01
900	-1.84	13.07	1910	2.26	31.91	2500	2.14	29.13
920	0.28	21.70	1930	2.57	32.65	2520	1.93	28.36
940	0.02	19.01	1950	2.67	31.02	2540	1.86	28.43
960	-1.89	14.26	1970	2.66	29.86	2560	1.66	28.49
			1990	3.06	31.48	2580	1.72	29.83
			2010	2.73	28.31	2600	1.91	31.12
			2030	2.15	25.14	2620	2	32.08
			2050	2.12	24.81	2640	1.96	32.19
			2070	1.42	20.12	2660	1.58	29.87
			2090	0.23	13.96	2680	1.93	31.97
			2110	-0.3	11.72	2690	1.97	32.41
			2130	1.46	19.18			
			2150	2.17	23.22			
			2170	2.58	26.36			

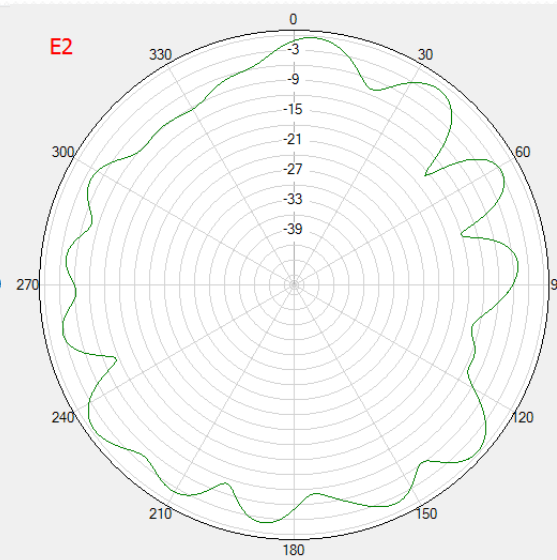
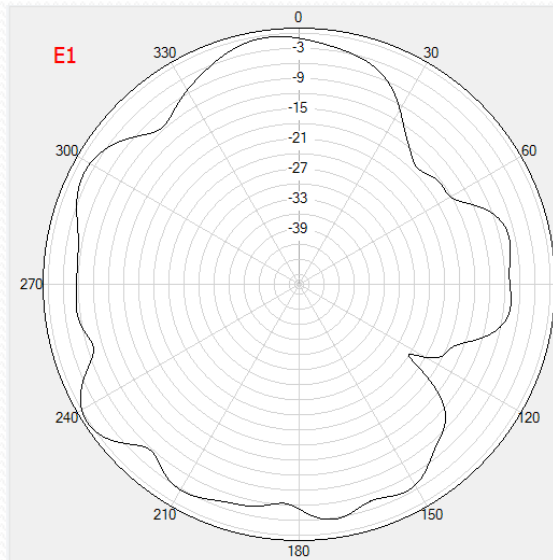
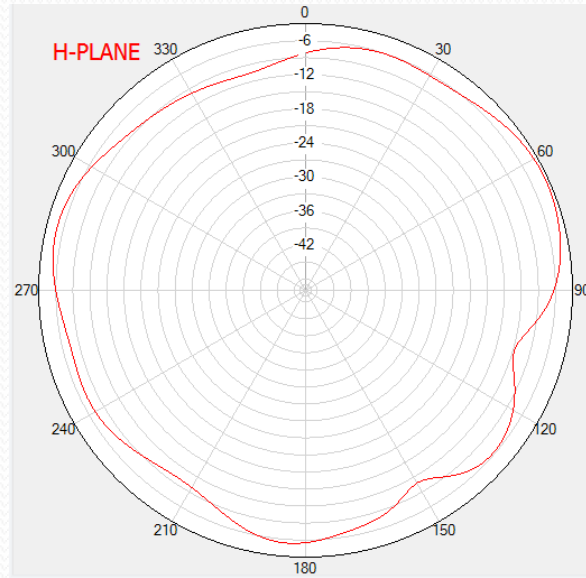
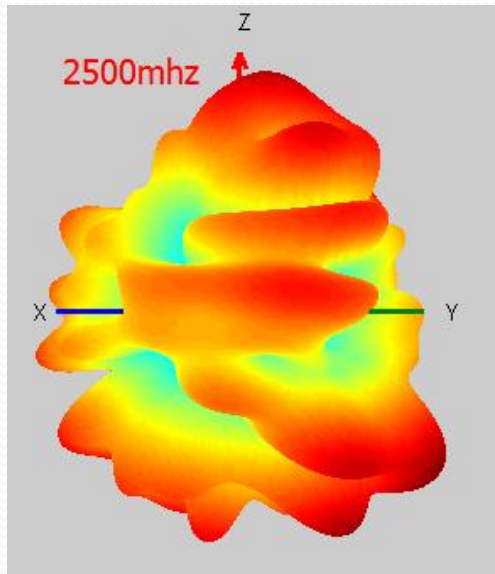
# DIV ant - 2D&3D Chart of 940Mhz



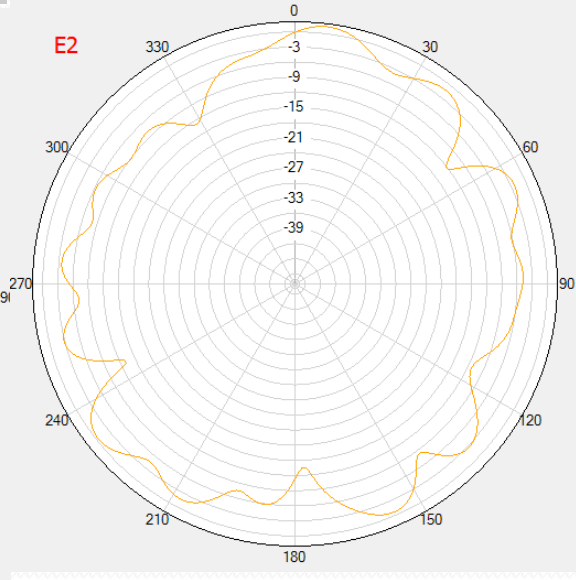
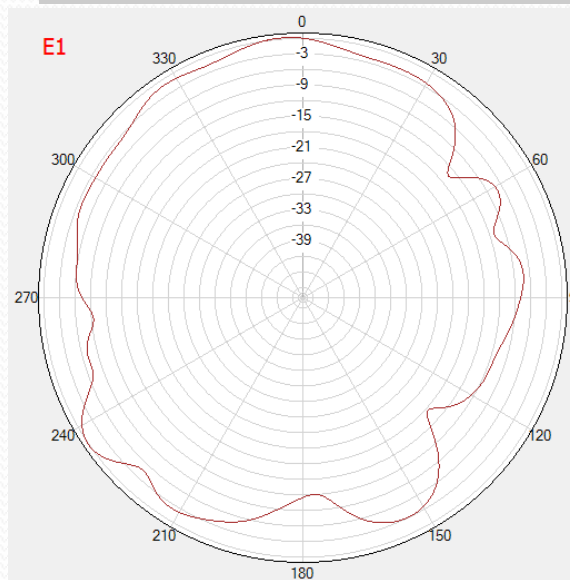
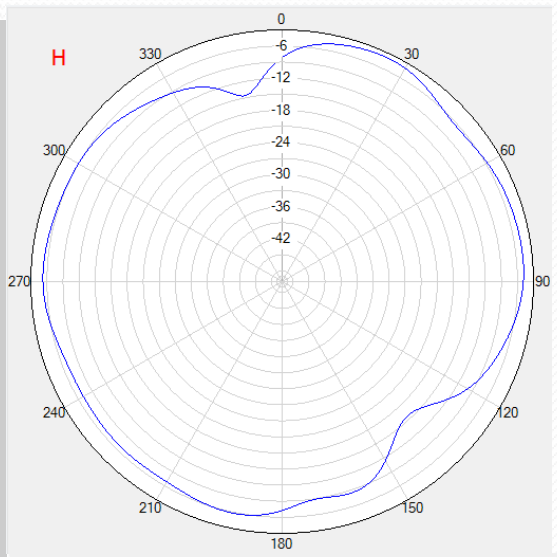
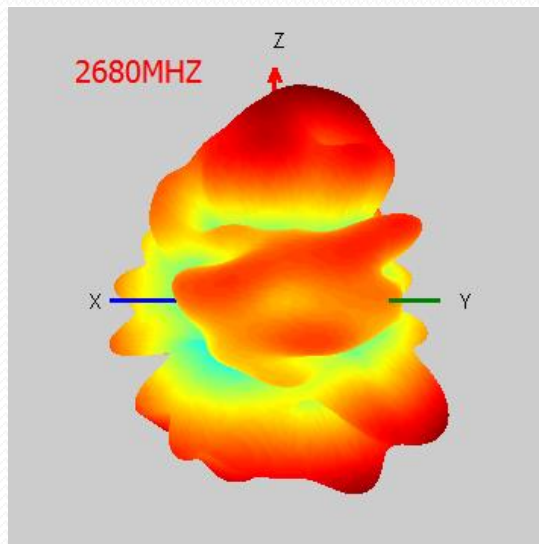
# DIV ant - 2D&3D Chart of 1850Mhz



# DIV ant - 2D&3D Chart of 2500Mhz



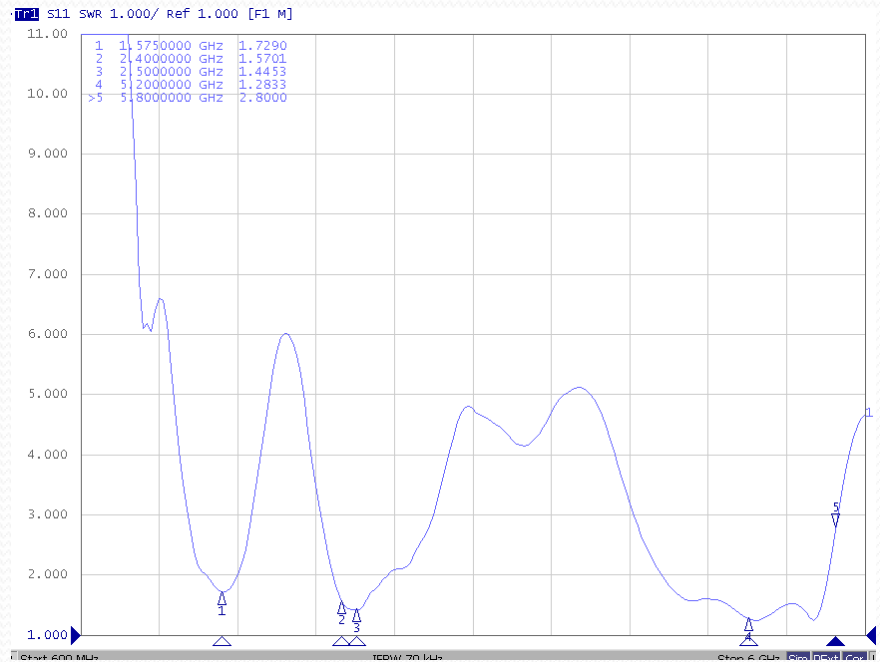
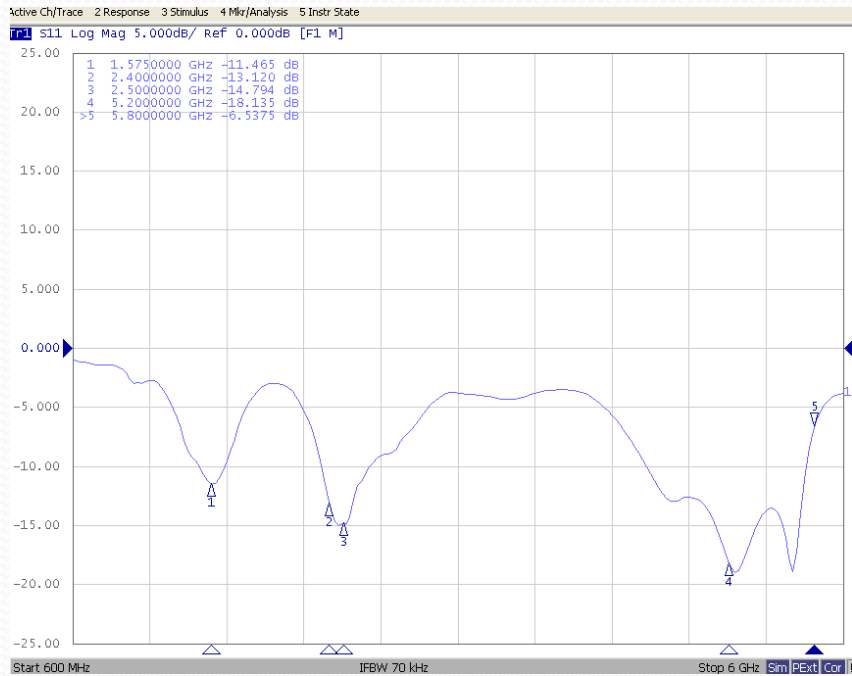
# DIV ant - 2D&3D Chart of 2680Mhz



# WiFi&GPS L1 ant -S11

LG

VSWR

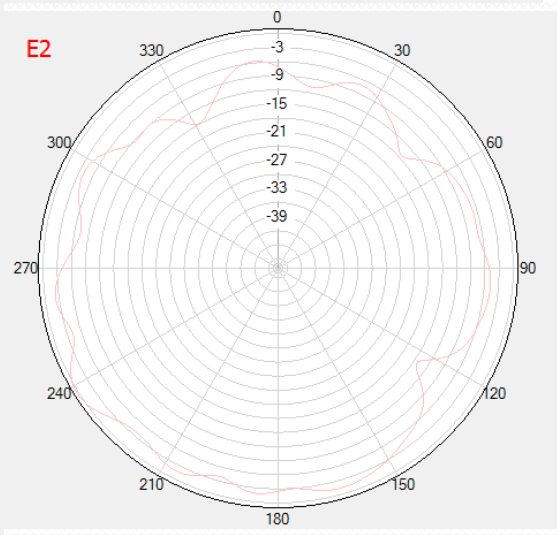
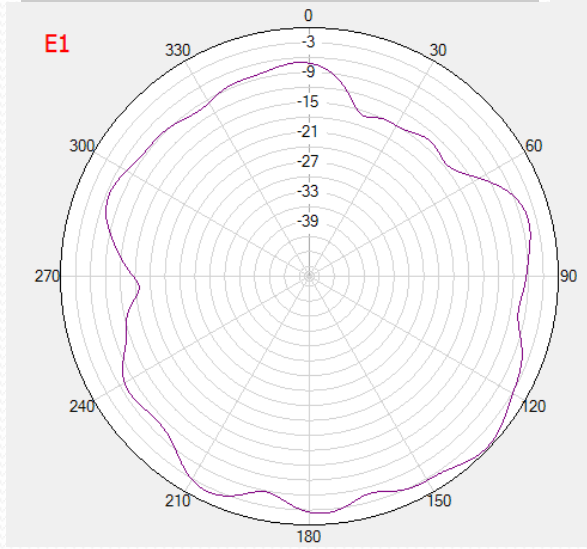
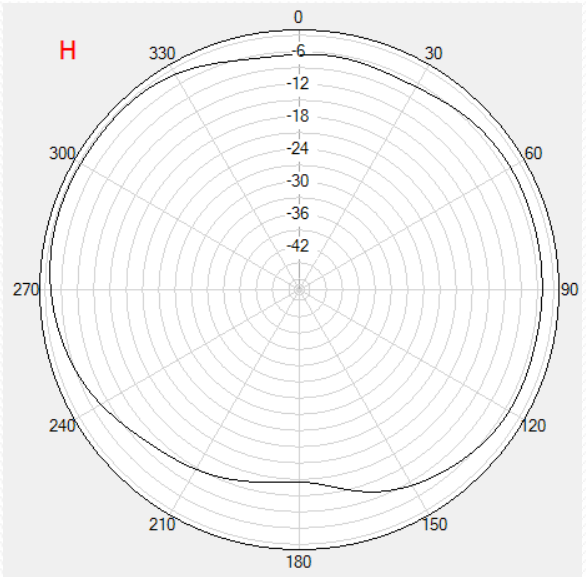
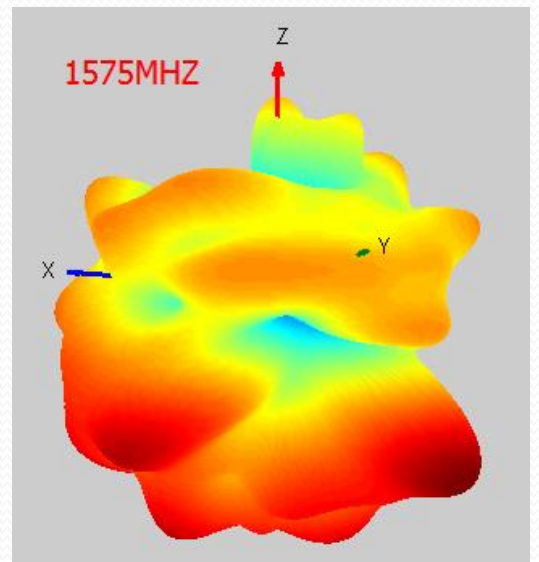


# WIFI&GPS L1 ant -EFFI

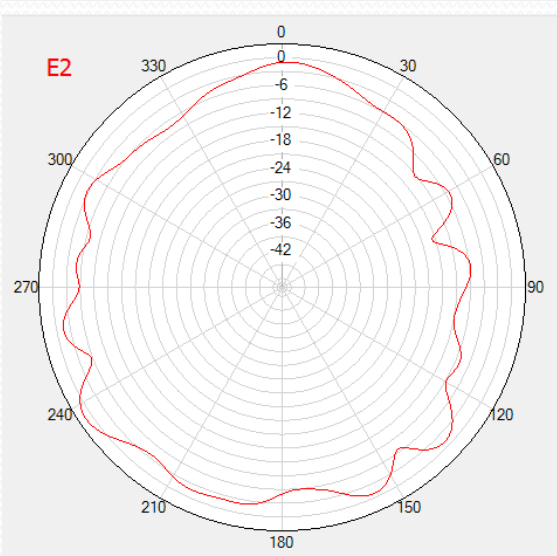
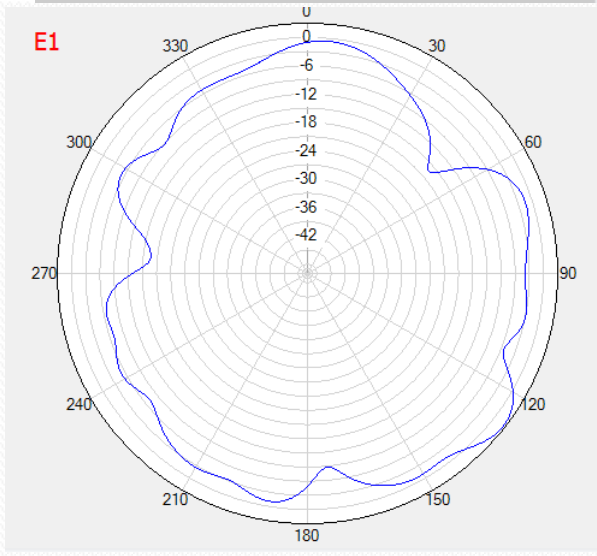
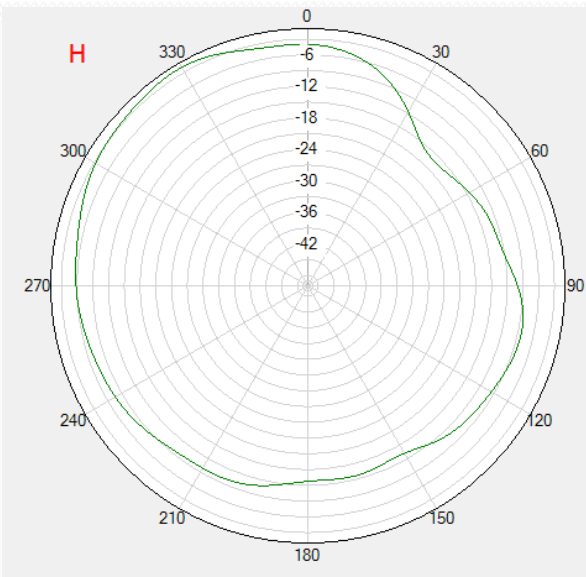
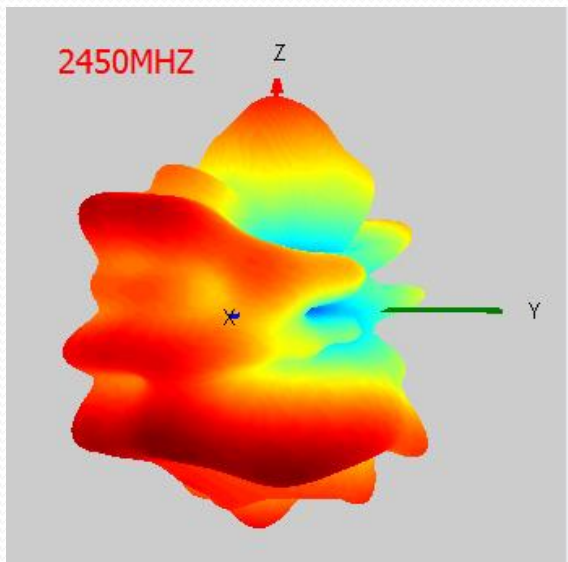
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
1540	2.16	33.74	2400	2.11	34.33	5150	1.74	30.85
1550	2.07	34.25	2410	2.62	38.00	5200	1.28	29.34
1560	1.74	32.70	2420	2.8	38.98	5250	1.25	28.06
1570	1.36	31.44	2430	2.86	39.14	5300	1.46	30.17
1575	1.53	30.34	2440	3	39.74	5350	1.46	30.69
1580	1.14	30.90	2450	3	39.41	5400	1.41	30.10
1590	1.28	30.80	2460	3.12	40.02	5450	1.35	26.75
1600	1.48	31.36	2470	3.33	40.33	5500	0.74	28.28
1610	1.49	30.89	2480	3.51	40.37	5550	0.4	27.05
1620	1.31	30.86	2490	4.07	43.18	5600	0.18	26.05
1630	1.14	31.43	2500	4.4	44.83	5650	0.18	24.26
						5700	0.03	21.66
						5750	-1.29	19.31
						5800	-3.68	15.22
						5850	-4.13	13.99
						5900	-3.6	14.23



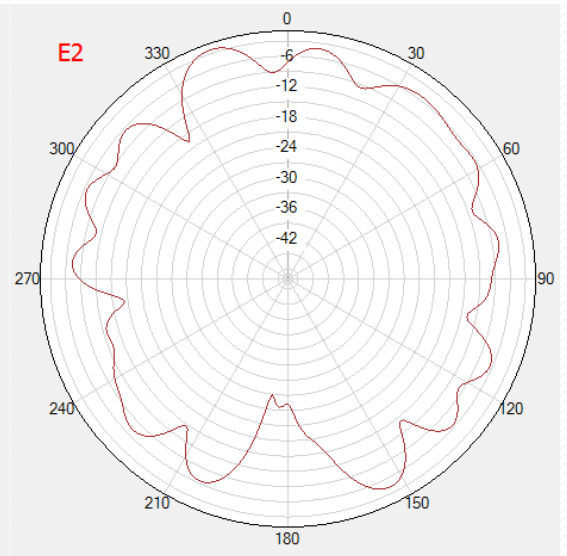
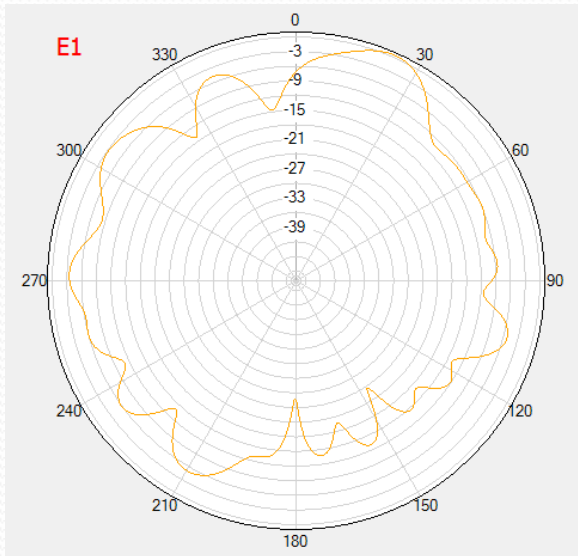
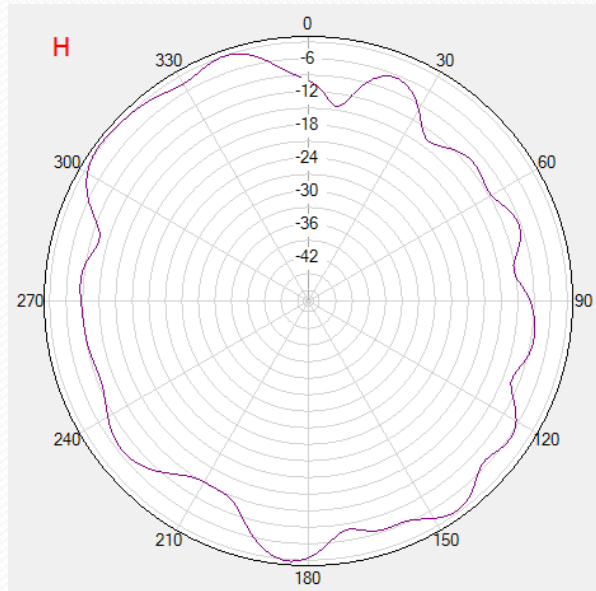
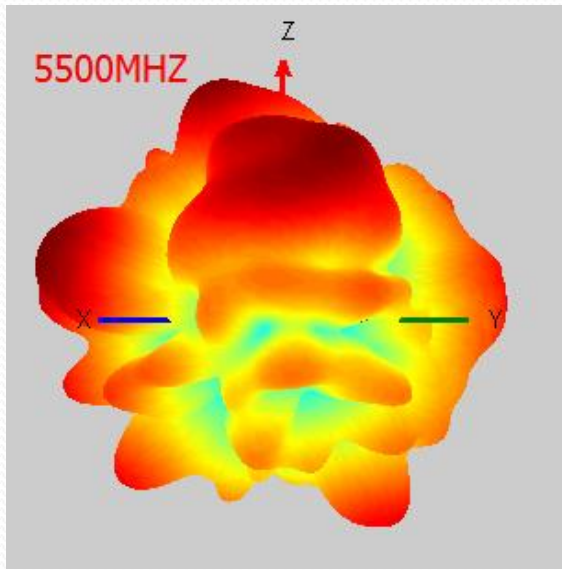
# WIFI&GPS L1 ant - 2D&3D Chart of 1575Mhz



# WiFi&GPS L1 ant - 2D&3D Chart of 2450Mhz



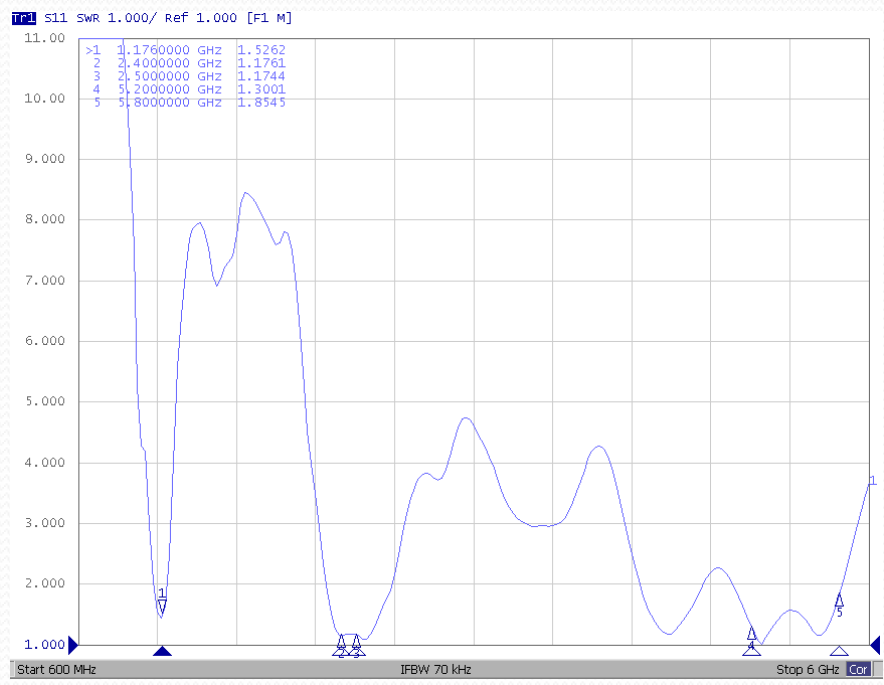
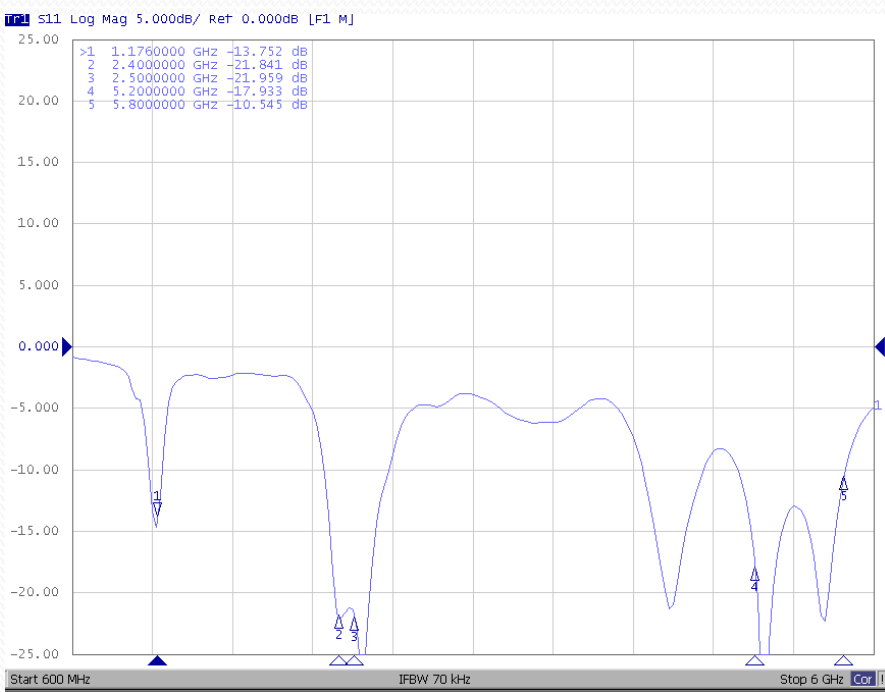
# WIFI&GPS L1 ant - 2D&3D Chart of 5500Mhz



# WiFi&GPS L5 ant -S11

LG

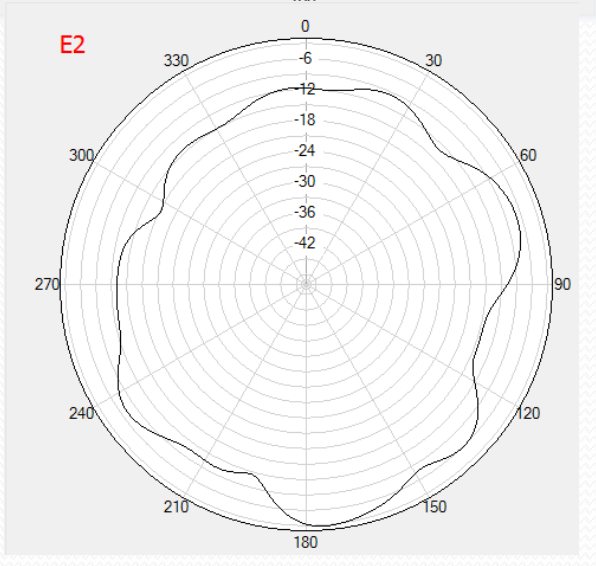
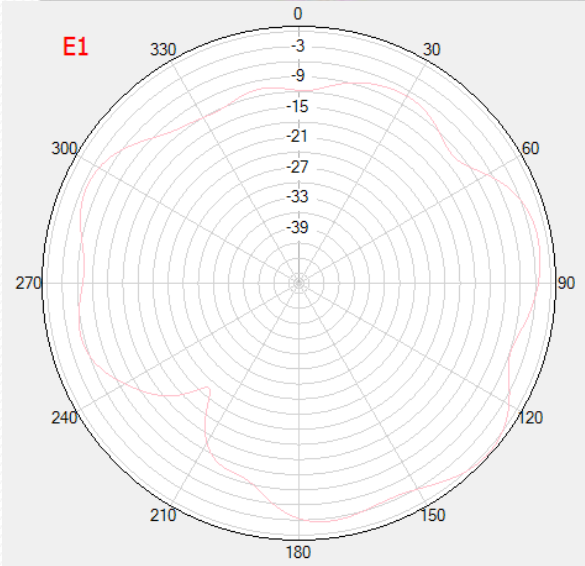
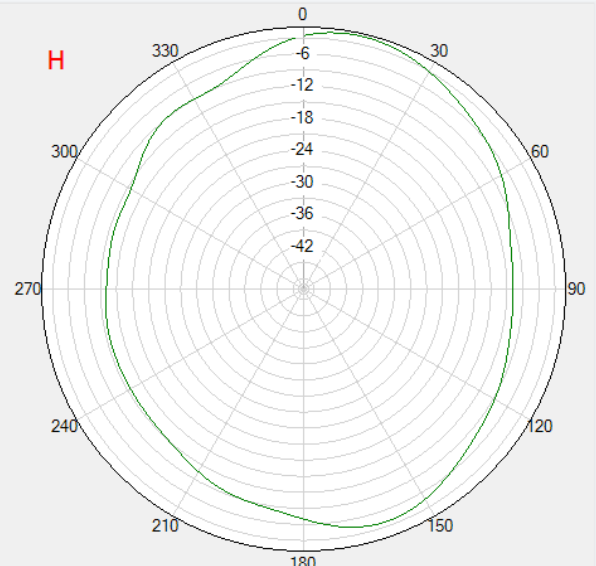
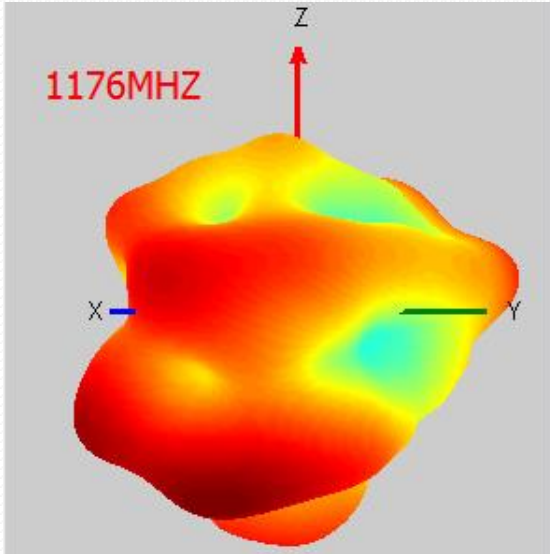
VSWR



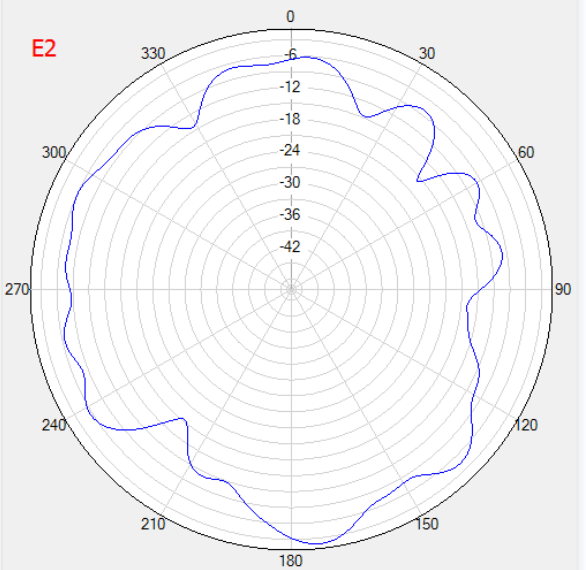
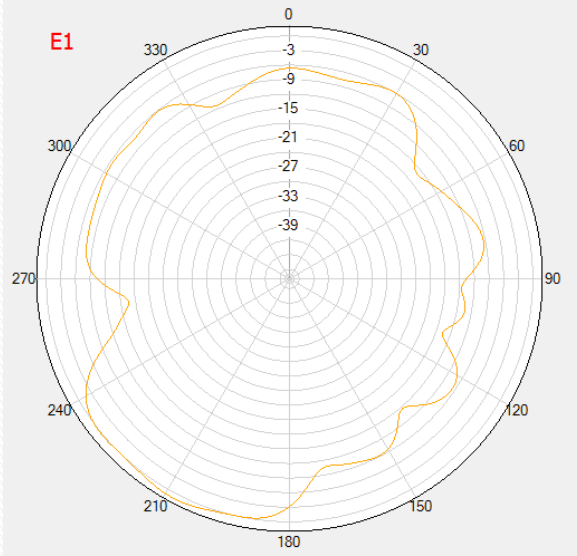
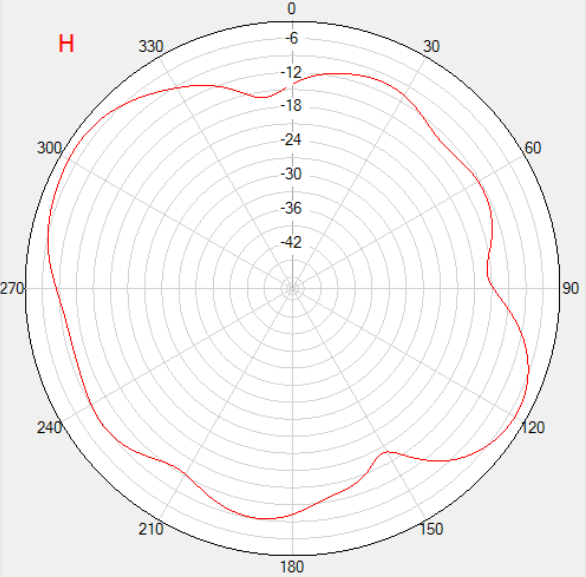
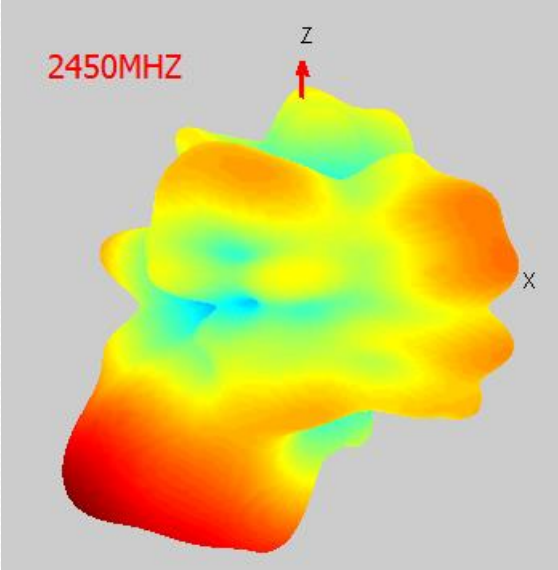
# WIFI&GPS L5 ant -EFFI

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(%)
1160	1.85	27.15	2400	3.85	27.68	5150	6.4	49.15
1170	2.03	28.15	2410	4.18	29.08	5200	6.12	46.01
1174	1.49	25.53	2420	4.3	29.41	5250	5.57	41.60
1176	1.71	26.00	2430	4.28	29.18	5300	5.88	44.73
1178	2.02	27.30	2440	4.21	29.00	5350	6.24	46.69
1180	2.05	27.89	2450	4.07	28.54	5400	6.25	46.65
1190	1.7	26.70	2460	3.86	28.10	5450	5.65	41.28
			2470	3.8	28.32	5500	5.22	37.53
			2480	3.69	28.41	5550	5.07	37.37
			2490	3.67	29.06	5600	5.21	38.30
			2500	3.66	29.93	5650	5.47	39.63
						5700	5.41	39.55
						5750	5.54	39.46
						5800	4.38	31.66
						5850	3.53	27.78
						5900	3.58	28.08

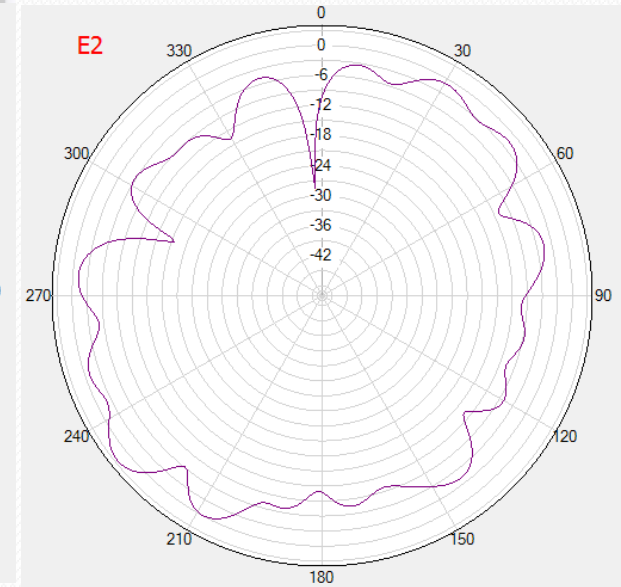
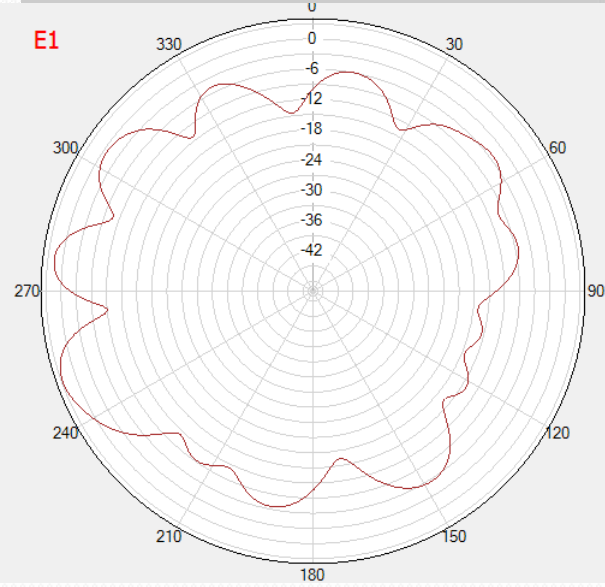
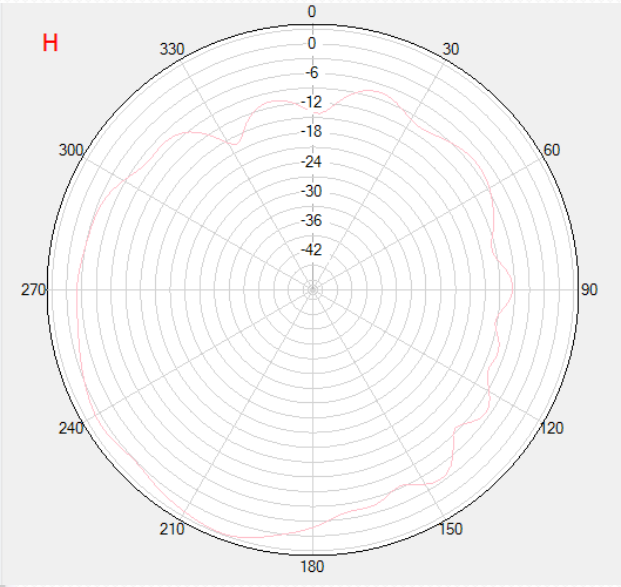
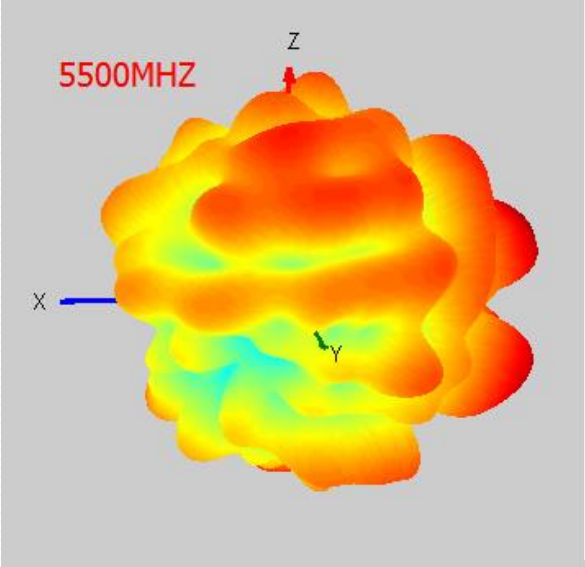
# WIFI&GPS L5 ant - 2D&3D Chart of 1176Mhz



# WIFI&GPS L5 ant - 2D&3D Chart of 2450Mhz



# WIFI&GPS L5 ant - 2D&3D Chart of 5500Mhz





THANK  
YOU