

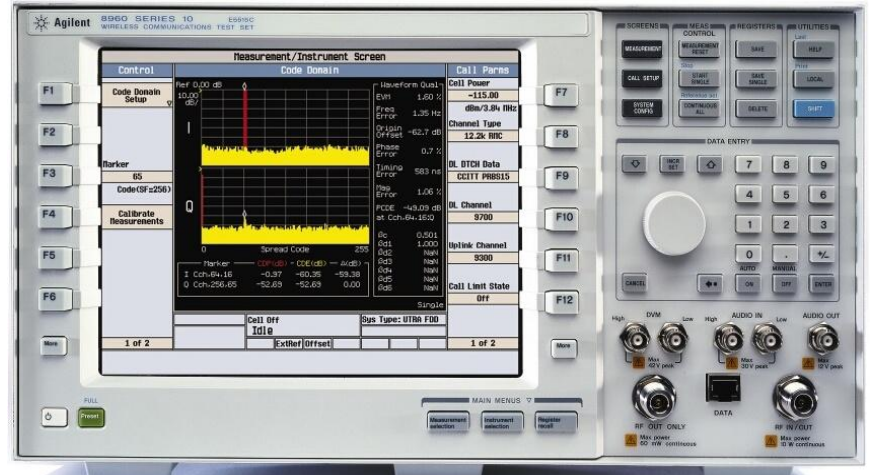
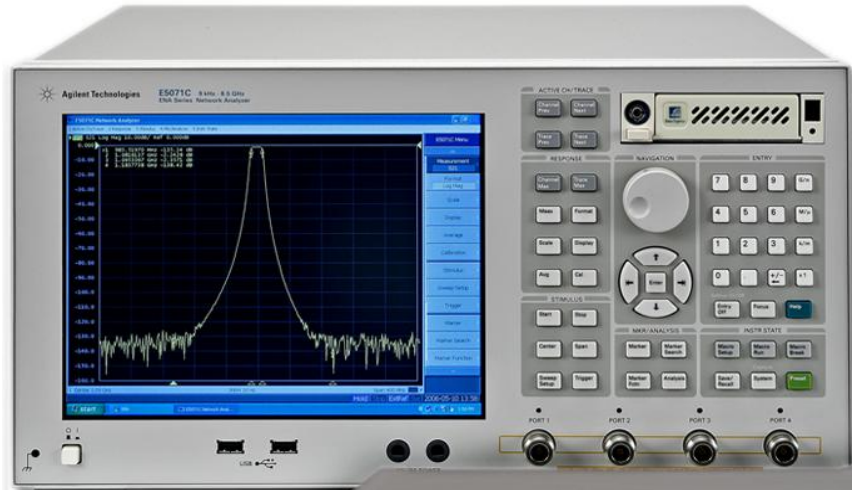
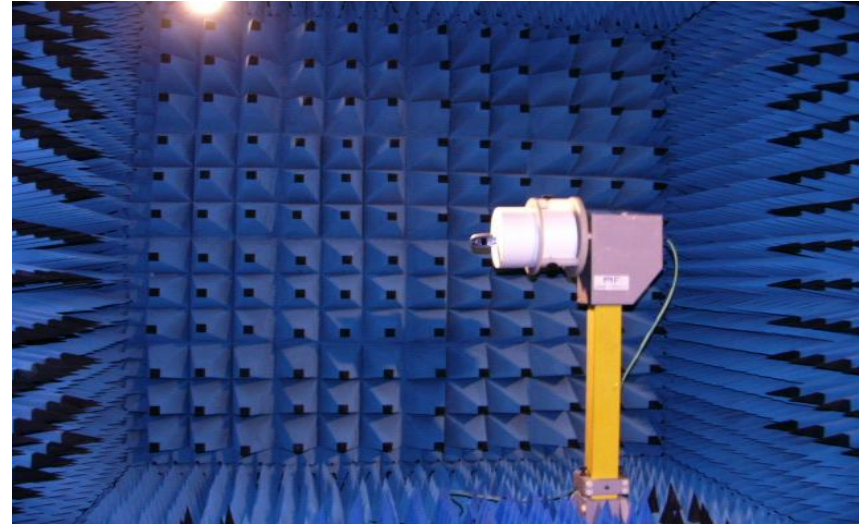
Antenna Test Report

*Test Lab:Shenzhen Kuruijie Communication
Technologies Co.,Ltd*

*manufacturer:Shenzhen Kuruijie Communication
Technologies Co.,Ltd*

1. The Equipment of Active Test

- 1: Anechoic Chamber 7x4x3 m (3D)
- 2: Rohde & Schwarz CMW500
- 3: AGILENT 8960 5515C
- 4: Network Analyzer-AGILENT ENA5071B



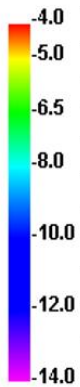
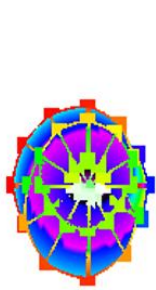
2 .Main antenna gain and directional diagram

1 .main antenna

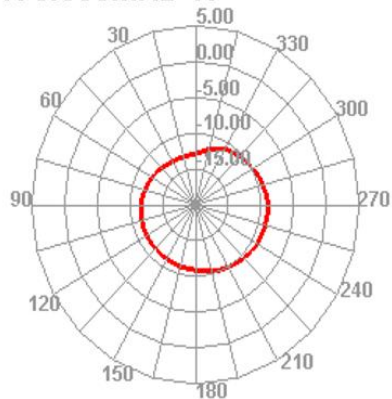
Passive Test For 600-900							
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivi ty (dBi)
650	14.35	-8.29	-5.37	-7.52	-5.37	-18.03	4.92
660	15.65	-8.34	-4.03	-6.18	-4.03	-16.15	5.31
670	15.86	-8.64	-3.99	-6.14	-3.99	-15.24	5.66
680	15.14	-8.16	-3.37	-5.52	-3.37	-13.71	5.79
690	15.59	-8.67	-2.93	-5.08	-2.93	-14.66	5.74
700	16.44	-8.4	-2.86	-5.01	-2.86	-18.64	5.54
710	16.01	-8.24	-2.7	-4.85	-2.7	-29.87	5.54
720	19.23	-7.16	-1.56	-3.71	-1.56	-21.91	5.6
730	18.26	-7.63	-2.45	-4.6	-2.45	-17.25	5.18
740	17.91	-7.47	-2.43	-4.58	-2.43	-18.69	5.04
750	17.5	-7.57	-2.79	-4.94	-2.79	-19.14	4.78
760	16.52	-7.82	-3.34	-5.49	-3.34	-18.39	4.48
770	15.12	-8.5	-4.35	-6.5	-4.35	-18.54	4.16
780	15.95	-8.88	-5.27	-7.42	-5.27	-17.44	3.61
790	15.35	-8.75	-5.62	-7.77	-5.62	-15.84	3.13
800	15.9	-8.57	-5.15	-7.3	-5.15	-14.71	3.42
810	16.64	-7.79	-4.39	-6.54	-4.39	-13.99	3.4
820	19.1	-8.51	-5.16	-7.31	-5.16	-15.54	3.35

830	20.43	-8.84	-4.29	-6.44	-4.29	-16.63	3.56
840	22.22	-8.13	-5.43	-7.58	-5.43	-17.78	3.7
850	25.33	-6.46	-6.14	-8.29	-6.14	-17.51	3.32
860	24.1	-6.49	-7.41	-9.56	-7.41	-19.58	4.08
870	23.06	-7.51	-7.01	-9.16	-7.01	-18.76	4.5
880	20.63	-7.49	-7.25	-9.4	-7.25	-19.1	5.24
890	14.54	-13.43	-7.51	-9.66	-7.51	-21.86	5.92
900	14.5	-13.47	-7.74	-9.89	-7.74	-22.93	5.73
910	13.27	-14.85	-9.56	-11.71	-9.56	-25.88	5.3
920	12.86	-15.43	-10.02	-12.17	-10.02	-28.6	5.41
930	12.58	-15.89	-10.91	-13.06	-10.91	-31.34	4.99
940	11.83	-17.37	-12.05	-14.2	-12.05	-36.11	5.32
950	12.71	-15.67	-10.88	-13.03	-10.88	-41.04	4.79
960	11.71	-17.66	-12.42	-14.57	-12.42	-36.63	5.24

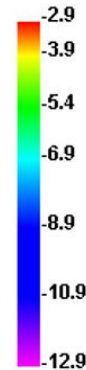
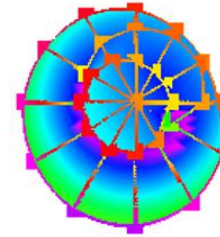
670.000MHz



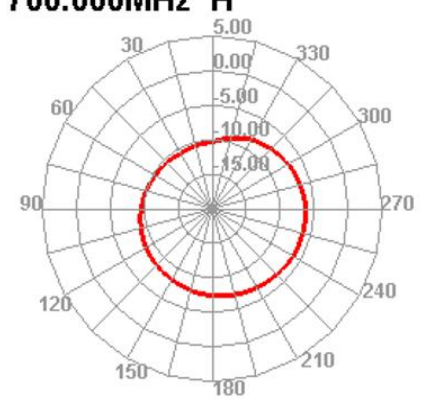
670.000MHz H



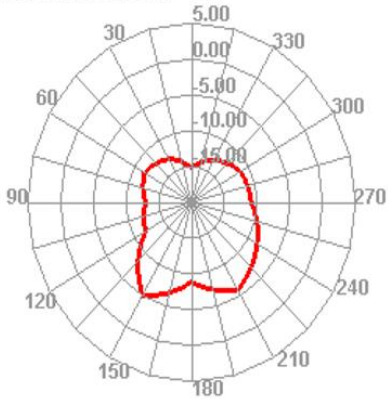
700.000MHz



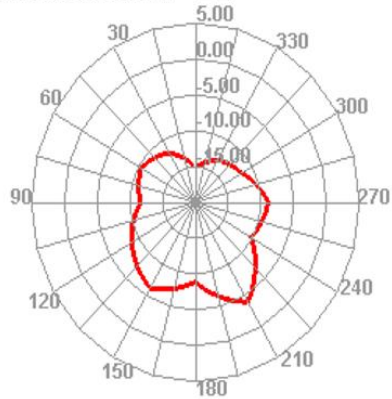
700.000MHz H



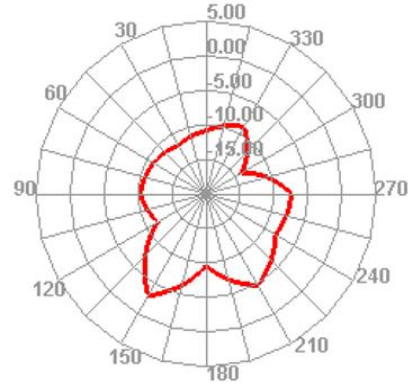
670.000MHz E1



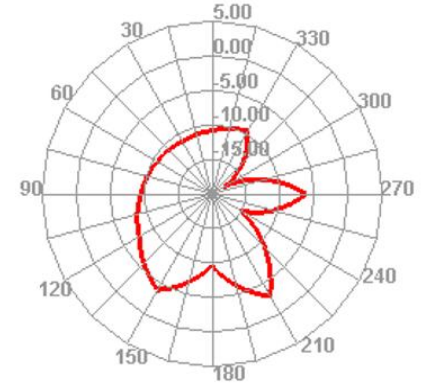
670.000MHz E2



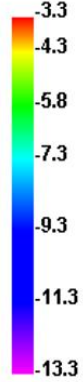
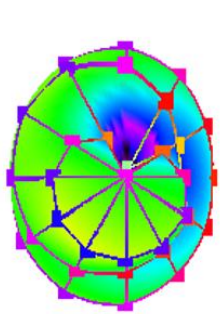
700.000MHz E1



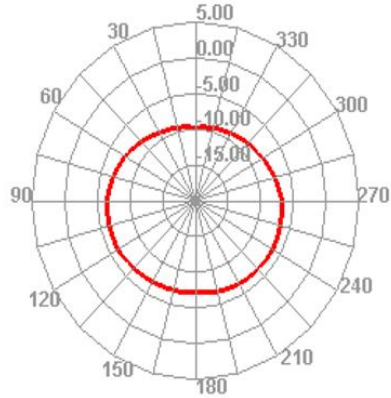
700.000MHz E2



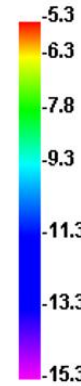
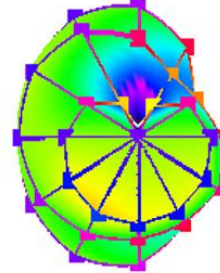
760.000MHz



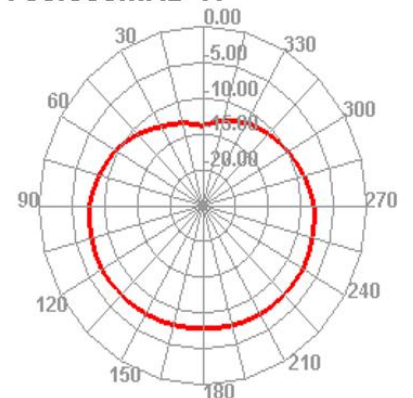
760.000MHz H



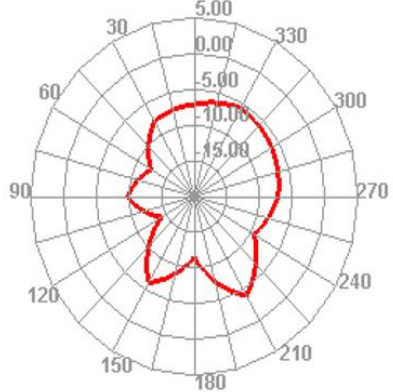
780.000MHz



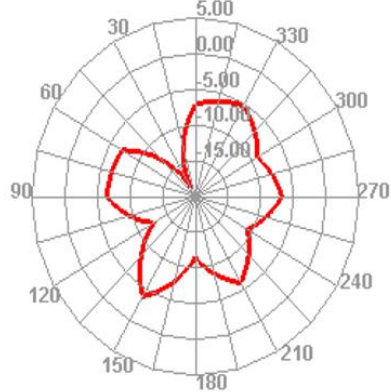
780.000MHz H



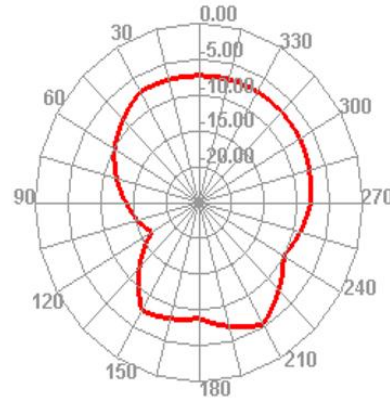
760.000MHz E1



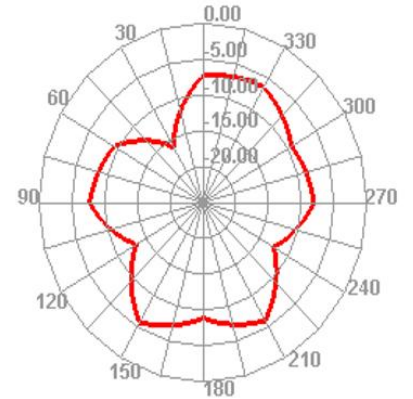
760.000MHz E2



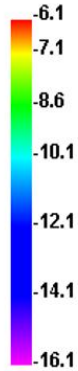
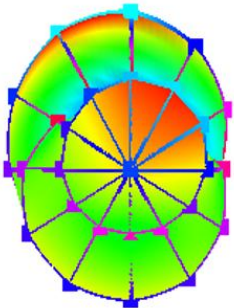
780.000MHz E1



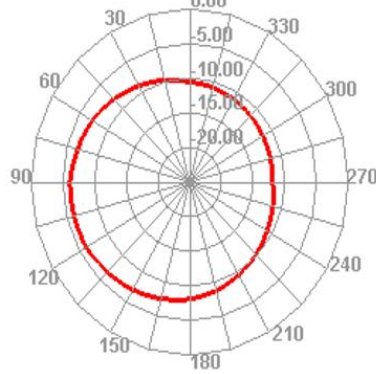
780.000MHz E2



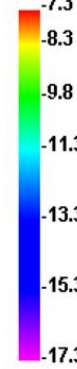
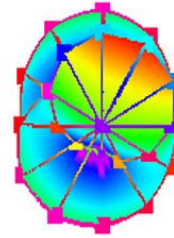
850.000MHz



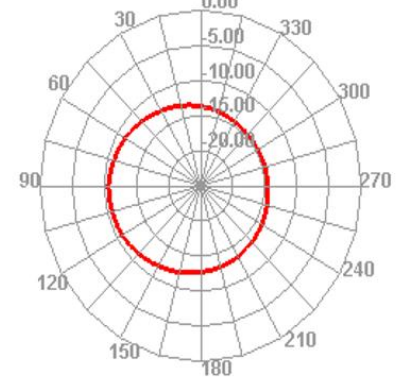
850.000MHz H



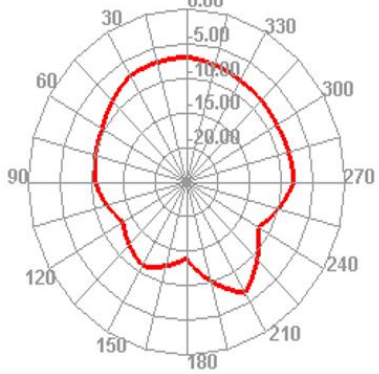
880.000MHz



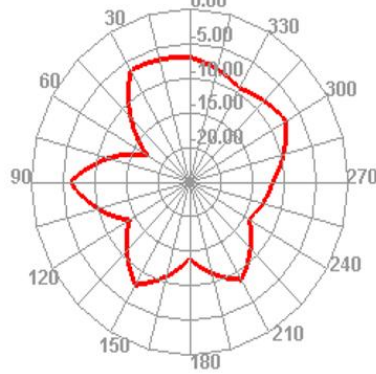
880.000MHz H



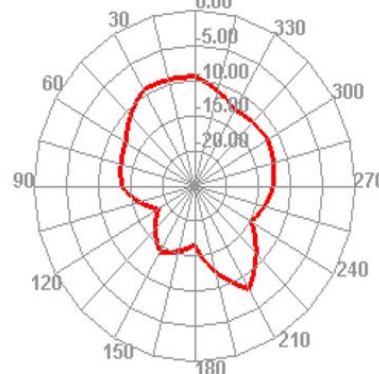
850.000MHz E1



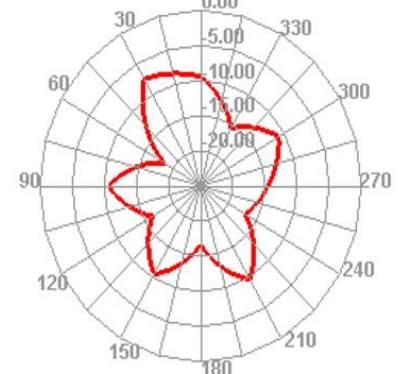
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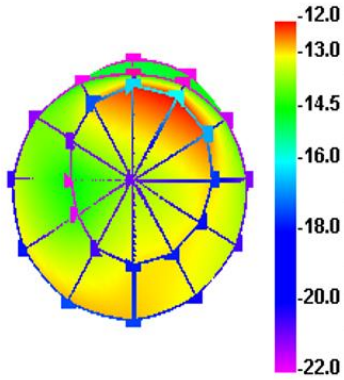
880.000MHz E1



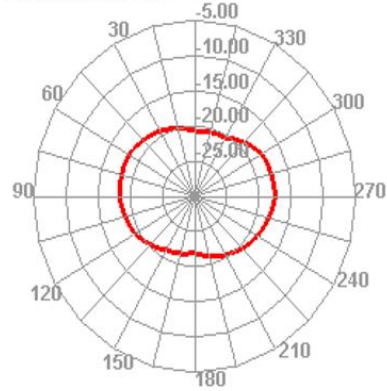
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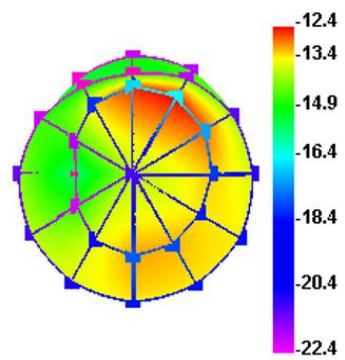
940.000MHz



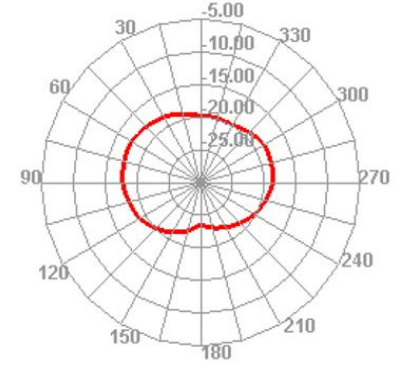
940.000MHz H



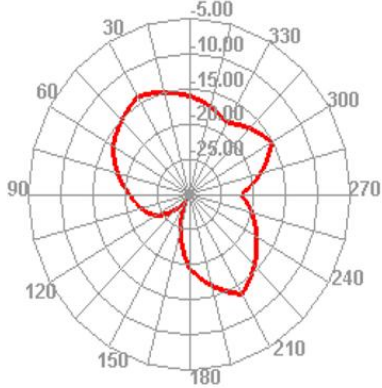
960.000MHz



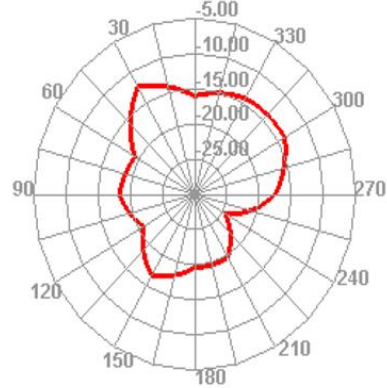
960.000MHz H



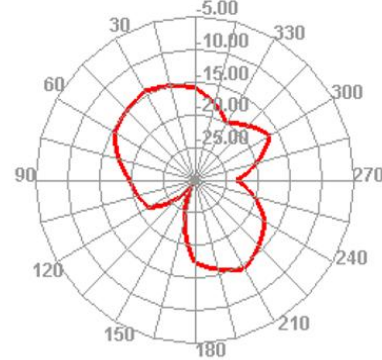
940.000MHz E1



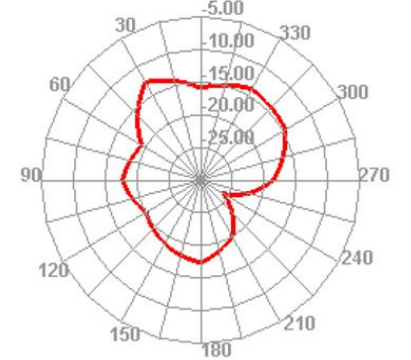
940.000MHz E2



960.000MHz E1



960.000MHz E2



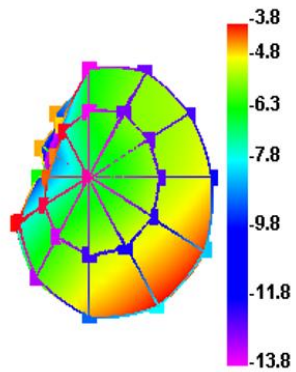
Passive Test For 1710-2690

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)
1710	15.16	-8.19	-3.03	-5.18	-3.03	-14.11	5.16
1720	12.08	-9.18	-3.87	-6.02	-3.87	-15.39	5.31
1730	15.05	-8.22	-3.59	-5.74	-3.59	-15.5	4.64
1740	12.81	-8.92	-4.58	-6.73	-4.58	-15.83	4.34
1750	14.76	-8.31	-4.23	-6.38	-4.23	-15.28	4.08
1760	18.4	-8.06	-5.17	-7.32	-5.17	-15.77	3.9
1770	24.52	-8.38	-4.76	-6.91	-4.76	-16.24	3.62
1780	22.82	-8.92	-5.38	-7.53	-5.38	-17.6	3.54
1790	25.87	-7.99	-4.97	-7.12	-4.97	-18.12	3.02
1800	20.88	-9.63	-6.75	-8.9	-6.75	-19.19	2.88
1810	26.16	-7.92	-4.26	-6.41	-4.26	-17.17	3.66
1820	20.98	-9.59	-6.05	-8.2	-6.05	-18.67	3.54
1830	28.32	-7.37	-3.41	-5.56	-3.41	-18.48	3.96
1840	21.99	-9.21	-5.48	-7.63	-5.48	-20.95	3.73
1850	24.89	-8.27	-4.3	-6.45	-4.3	-22.43	3.97
1860	23.5	-8.7	-4.82	-6.97	-4.82	-23.62	3.87
1870	25.79	-8.02	-3.93	-6.08	-3.93	-23.05	4.09
1880	24.34	-8.44	-4.38	-6.53	-4.38	-23.48	4.05
1890	26	-7.96	-3.69	-5.84	-3.69	-23.4	4.27
1900	25.22	-8.18	-3.93	-6.08	-3.93	-22.85	4.25
1910	26.59	-7.8	-3.44	-5.59	-3.44	-22.23	4.36
1920	24.87	-8.28	-4.06	-6.21	-4.06	-22.04	4.22
1930	29.24	-7.16	-2.94	-5.09	-2.94	-20.92	4.22

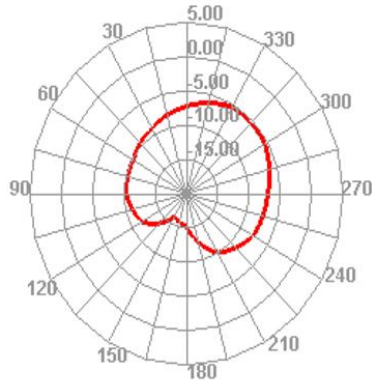
1940	27.72	-7.52	-3.57	-5.72	-3.57	-20.97	3.95
1950	21.46	-6.68	-2.79	-4.94	-2.79	-19.85	3.89
1960	28.48	-7.33	-3.72	-5.87	-3.72	-19.29	3.61
1970	21.17	-6.74	-3.11	-5.26	-3.11	-18.57	3.63
1980	20.89	-6.8	-3.36	-5.51	-3.36	-20.56	3.45
1990	23.3	-6.33	-2.73	-4.88	-2.73	-22.04	3.6
2000	20.07	-6.98	-2.96	-5.11	-2.96	-20.7	4.02
2010	23.87	-6.22	-2.39	-4.54	-2.39	-17.66	3.83
2020	19.04	-7.2	-3.26	-5.41	-3.26	-18.66	3.95
2030	22.88	-6.41	-2.33	-4.48	-2.33	-18.72	4.08
2040	20.3	-6.92	-2.31	-4.46	-2.31	-19.95	4.61
2050	20.16	-6.96	-2.7	-4.85	-2.7	-21.21	4.26
2060	27.61	-7.54	-3.03	-5.18	-3.03	-22.43	4.51
2070	27.28	-7.62	-3.1	-5.25	-3.1	-23.09	4.53
2080	27.72	-7.52	-2.95	-5.1	-2.95	-22.67	4.57
2090	26.71	-7.77	-3.01	-5.16	-3.01	-23.46	4.76
2100	24.85	-6.28	-3.63	-5.78	-3.63	-23.34	4.65
2110	27.81	-6.49	-2.93	-5.08	-2.93	-20.95	4.57
2120	20.26	-6.93	-2.55	-4.7	-2.55	-18.26	4.38
2130	26.74	-6.76	-3.32	-5.47	-3.32	-19.7	4.44
2140	25.67	-6.05	-3.71	-5.86	-3.71	-20.42	4.34
2150	25.11	-7.21	-3.64	-5.79	-3.64	-21.48	4.57
2160	26.87	-7.73	-3.15	-5.3	-3.15	-21.35	4.58
2170	22.56	-7.01	-4.28	-6.43	-4.28	-22.32	4.73

2460	29.6	-5.29	0.95	-1.2	0.95	-16.31	6.24
2470	34.15	-4.67	1.53	-0.62	1.53	-17.06	6.2
2480	30.17	-5.2	1.31	-0.84	1.31	-18.92	6.51
2490	29.66	-5.28	1.16	-0.99	1.16	-20.04	6.44
2500	30.53	-5.15	1.64	-0.51	1.64	-21.33	6.79
2510	28.35	-5.47	1.11	-1.04	1.11	-20.72	6.58
2520	32.22	-4.92	1.8	-0.35	1.8	-19.56	6.72
2530	29.95	-5.24	1.43	-0.72	1.43	-19.15	6.67
2540	24.78	-6.06	0.82	-1.33	0.82	-19.41	6.88
2550	26.25	-5.81	0.98	-1.17	0.98	-18.44	6.79
2560	25.71	-5.9	1.18	-0.97	1.18	-17.84	7.08
2570	31.38	-5.03	1.81	-0.34	1.81	-16.75	6.85
2580	21.7	-6.64	0.18	-1.97	0.18	-17.96	6.82
2590	22.63	-6.45	0.31	-1.84	0.31	-18.02	6.77
2600	26.35	-5.79	1.04	-1.11	1.04	-19.03	6.83
2610	27.72	-5.57	0.93	-1.22	0.93	-19.28	6.5
2620	24.08	-6.18	0.39	-1.76	0.39	-19.74	6.57
2630	22.11	-6.55	0.07	-2.08	0.07	-20.36	6.62
2640	28.32	-5.48	1.36	-0.79	1.36	-20.13	6.84
2650	28.83	-5.4	1.42	-0.73	1.42	-19.76	6.82
2660	24.16	-6.17	0.77	-1.38	0.77	-20.94	6.94
2670	30.44	-5.16	1.5	-0.65	1.5	-19.24	6.66
2680	26.21	-5.82	1.13	-1.02	1.13	-19.24	6.95
2690	27.42	-5.62	1.07	-1.08	1.07	-18.12	6.69

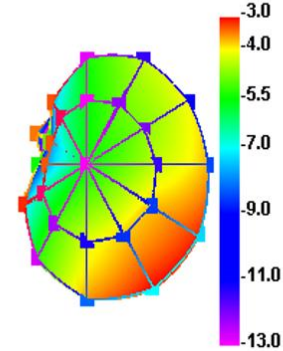
1710.000MHz



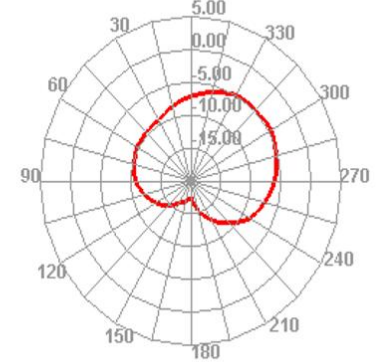
1710.000MHz H



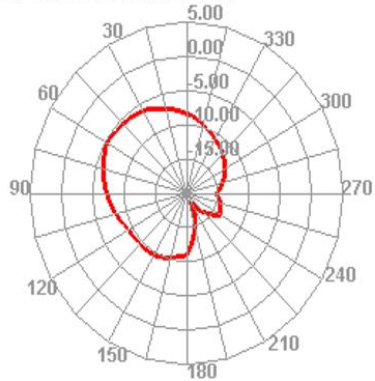
1750.000MHz



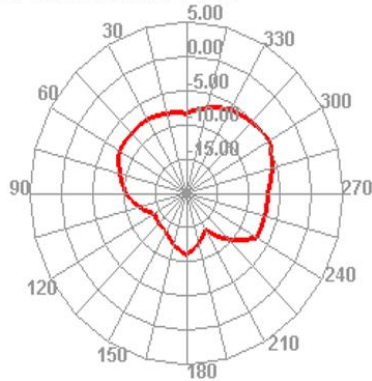
1750.000MHz H



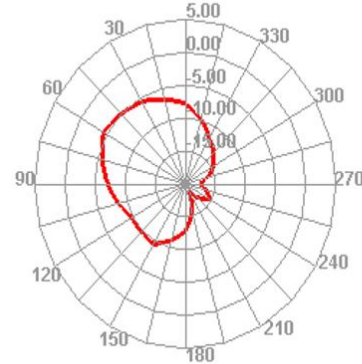
1710.000MHz E1



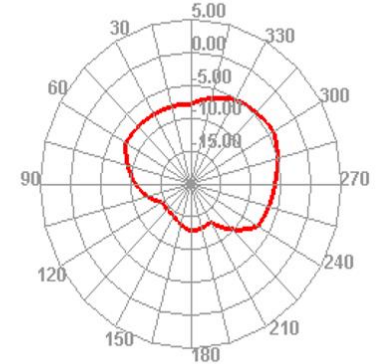
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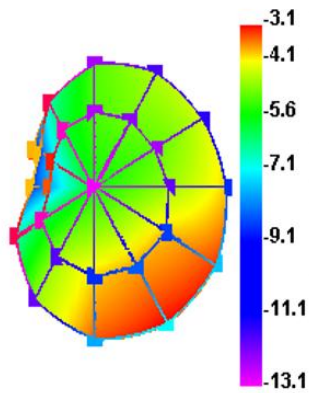
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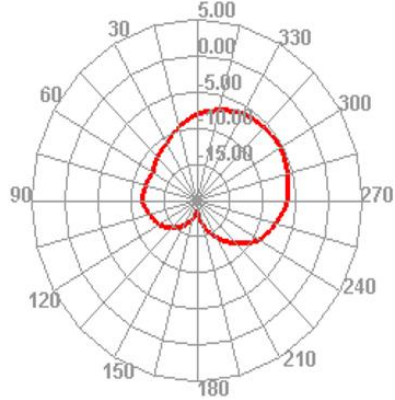
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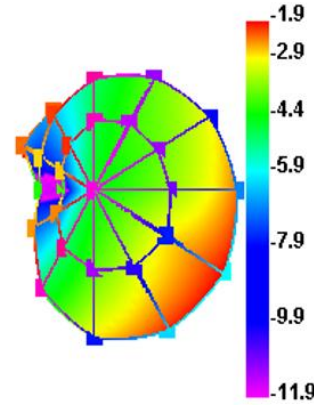
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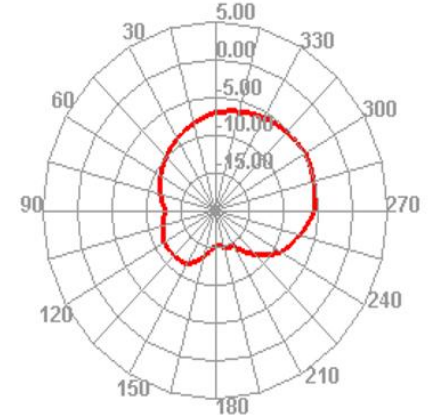
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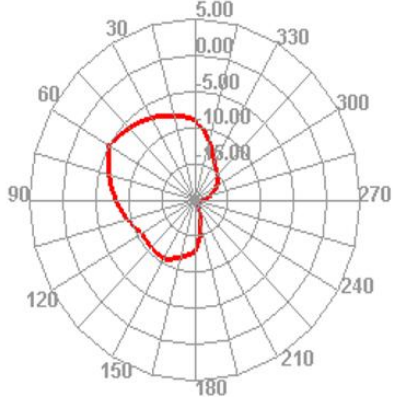
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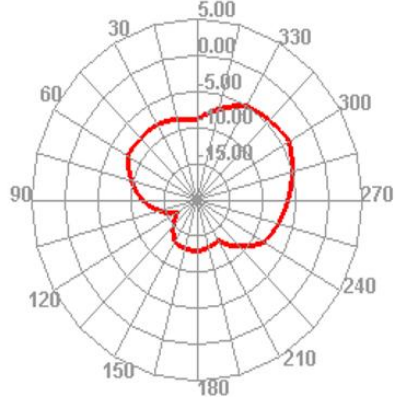
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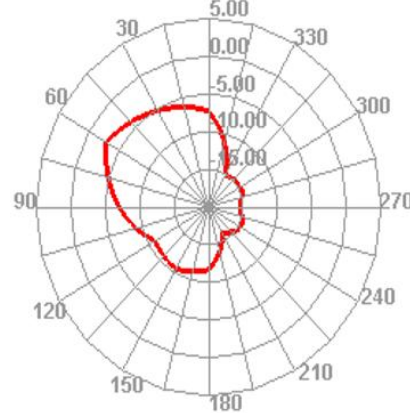
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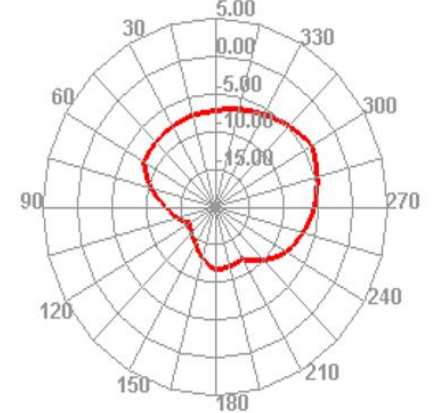
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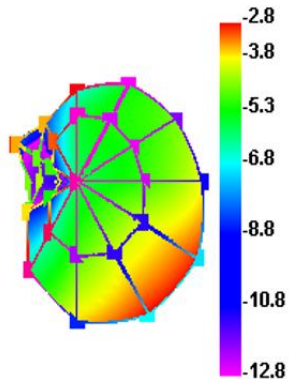
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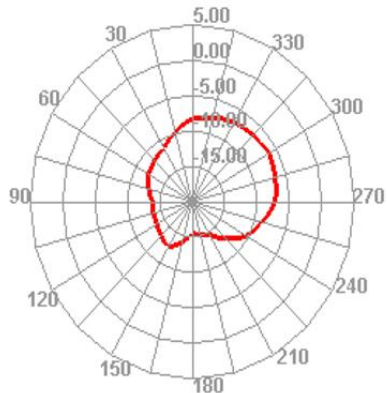
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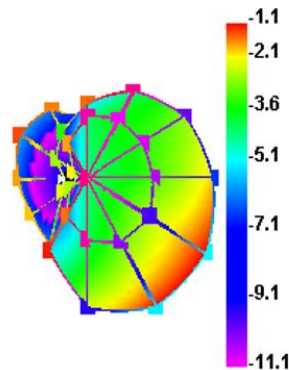
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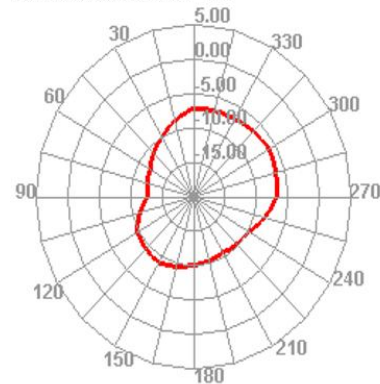
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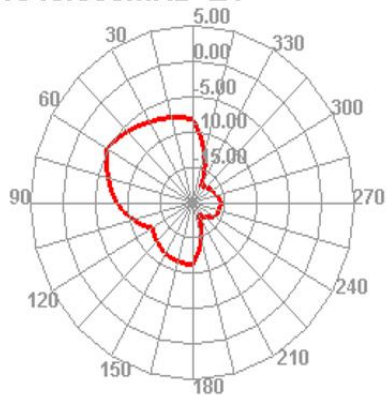
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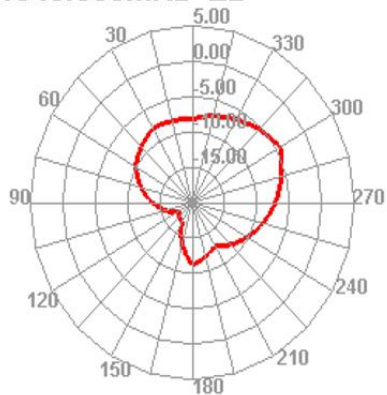
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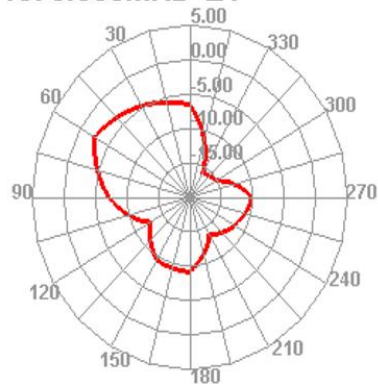
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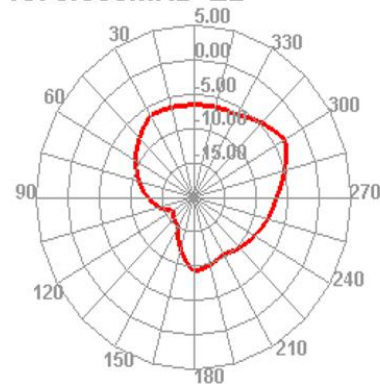
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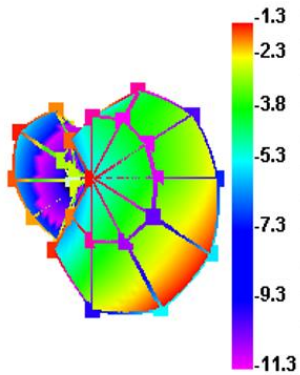
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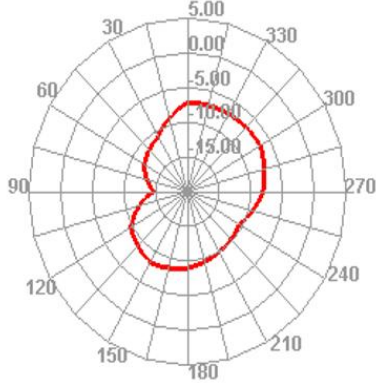
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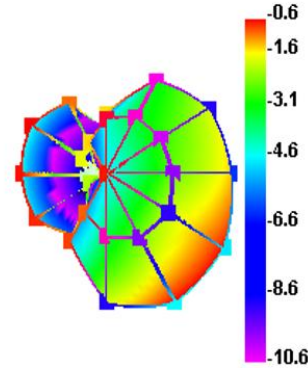
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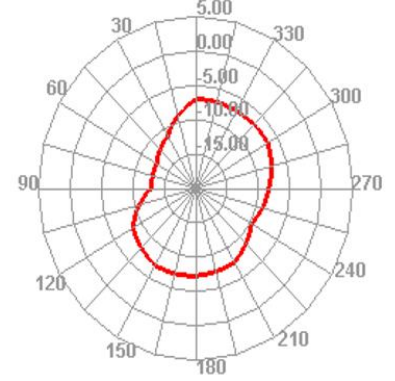
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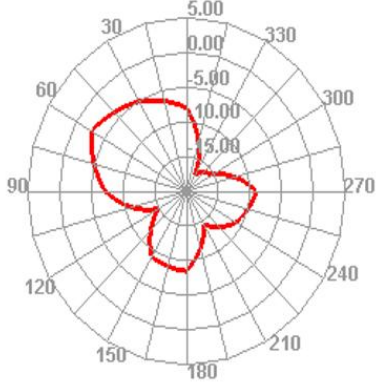
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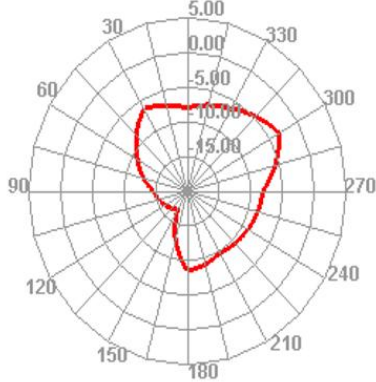
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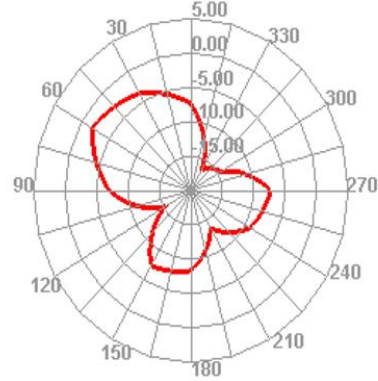
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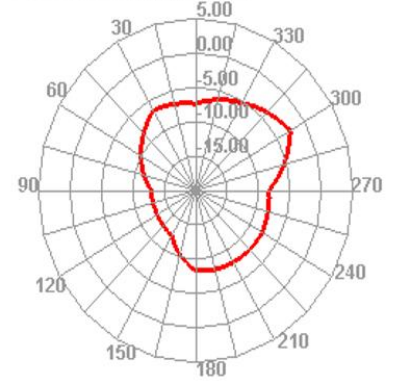
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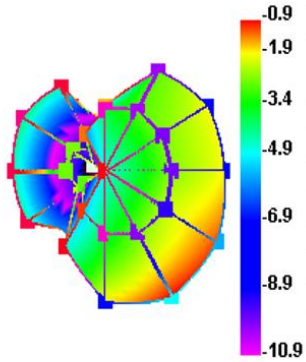
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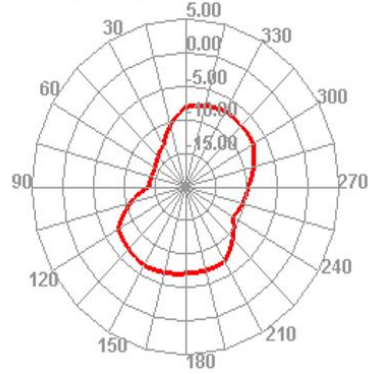
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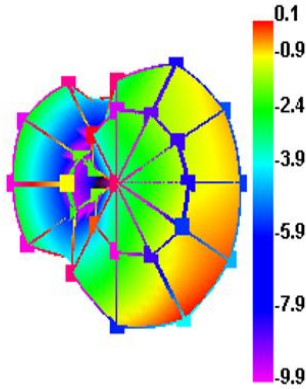
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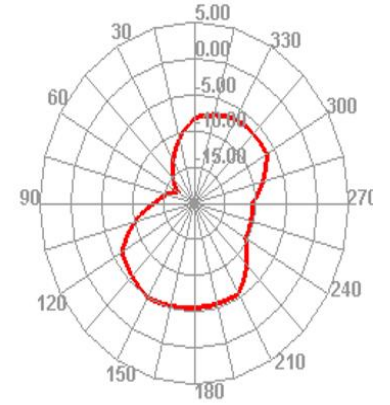
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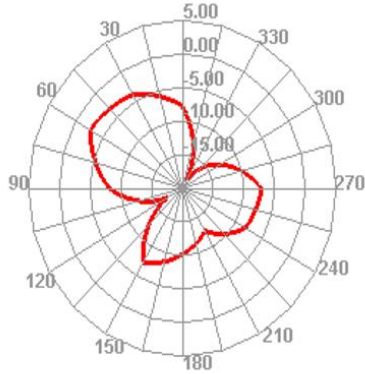
1990.000MHz



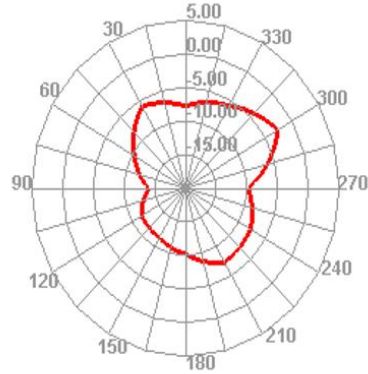
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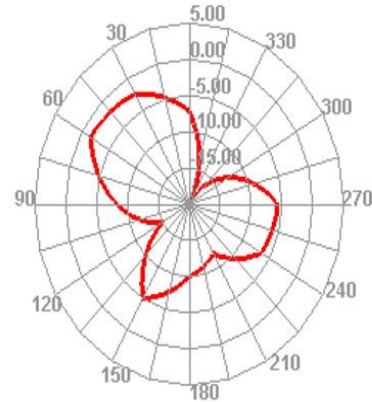
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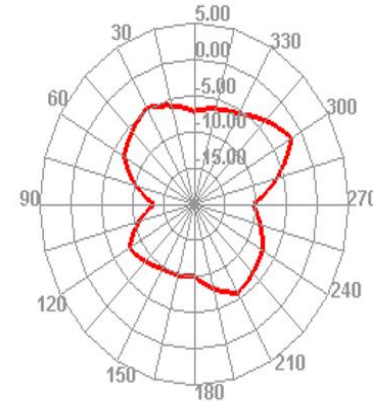
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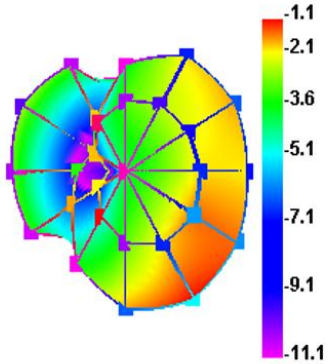
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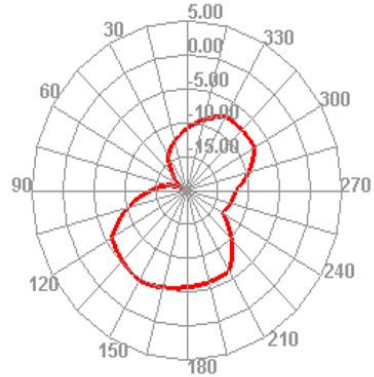
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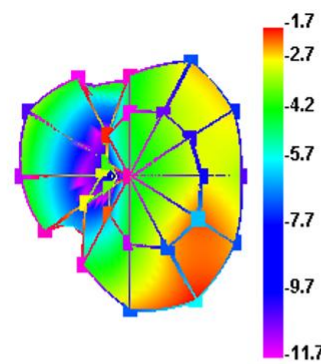
2020.000MHz



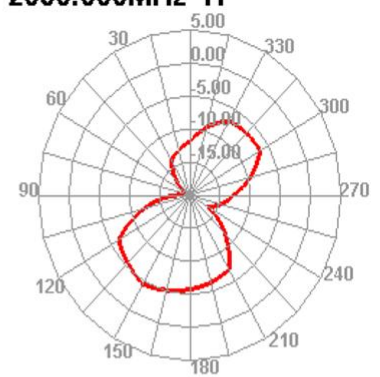
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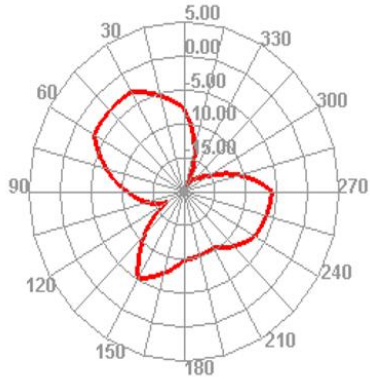
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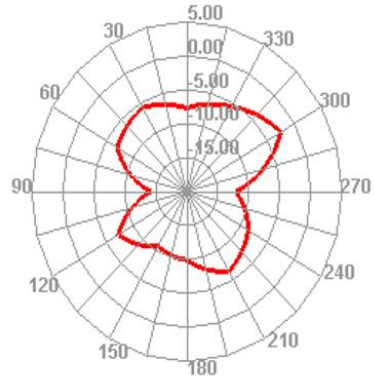
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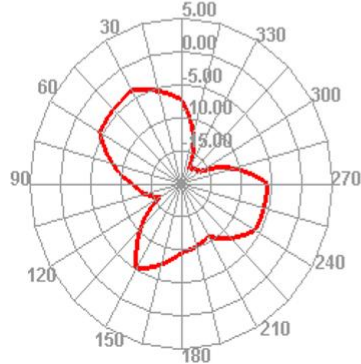
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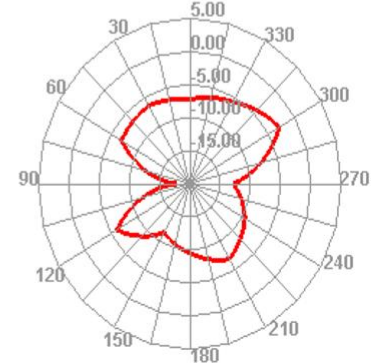
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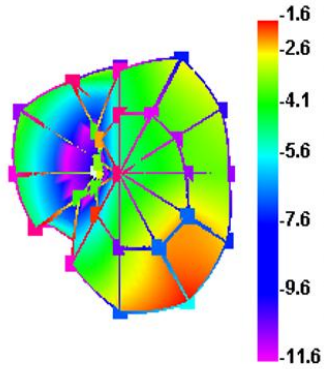
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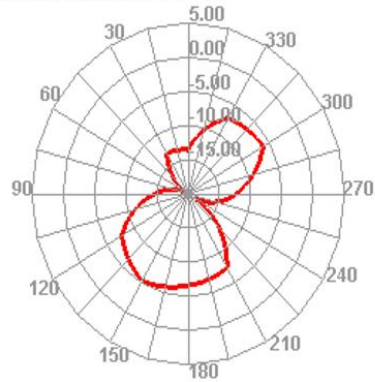
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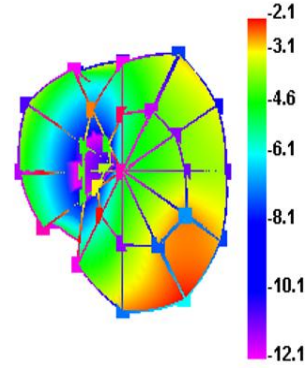
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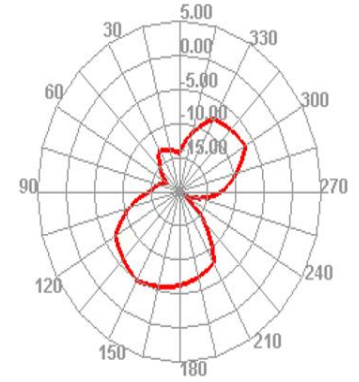
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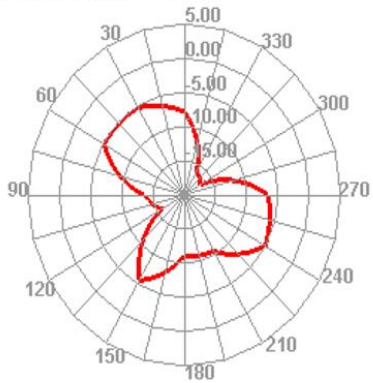
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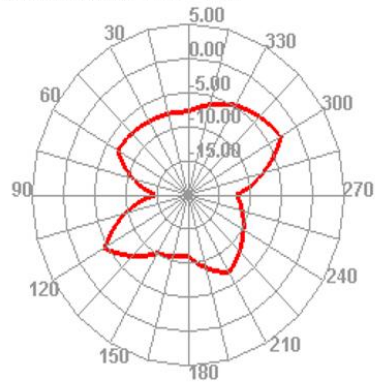
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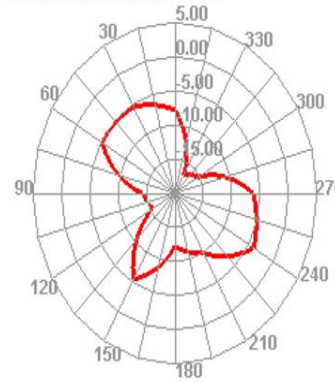
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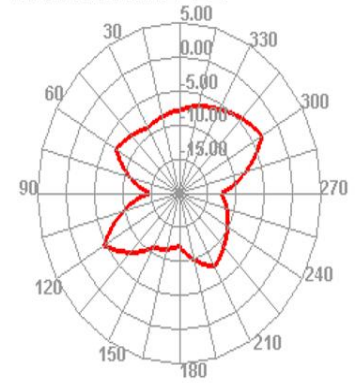
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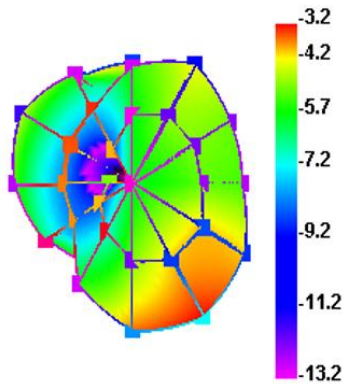
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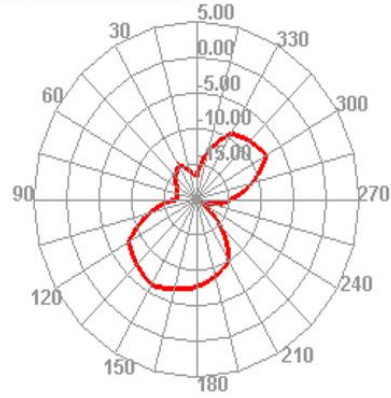
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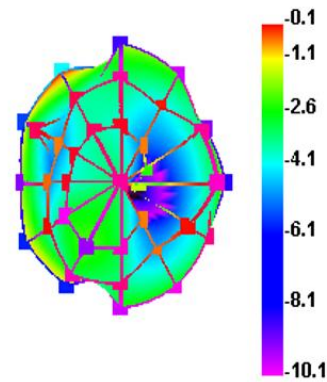
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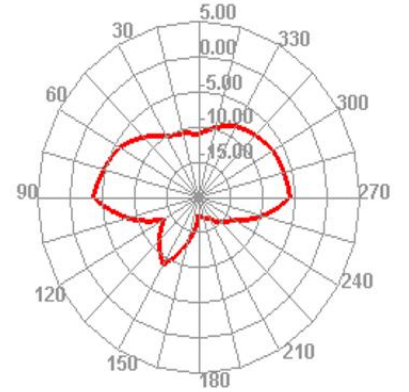
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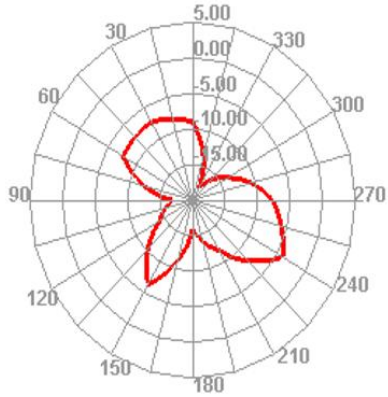
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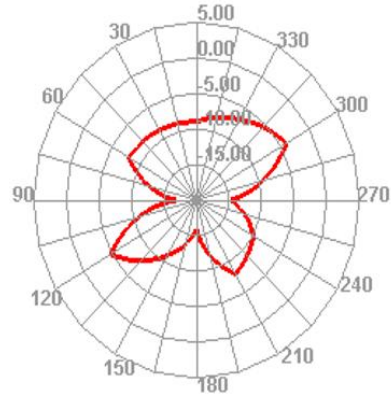
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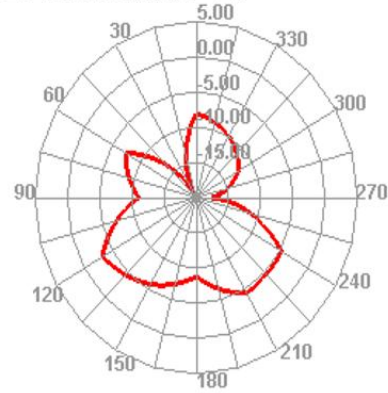
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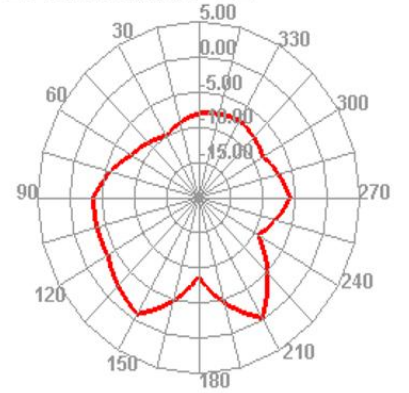
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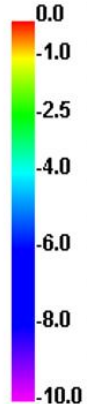
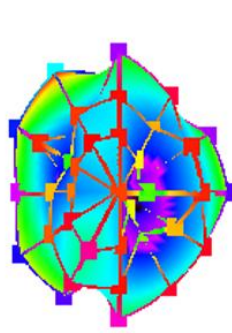
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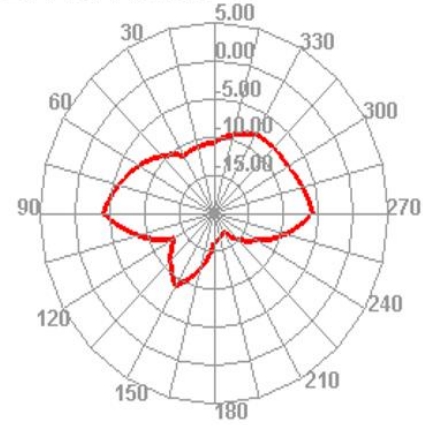
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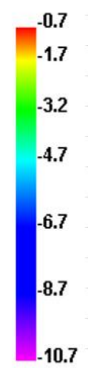
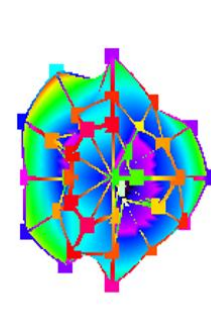
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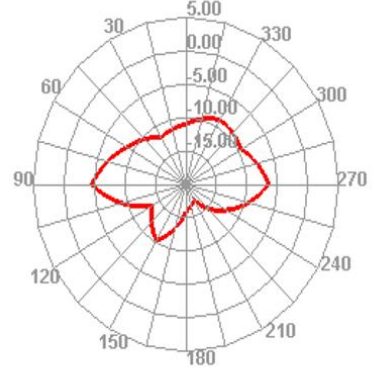
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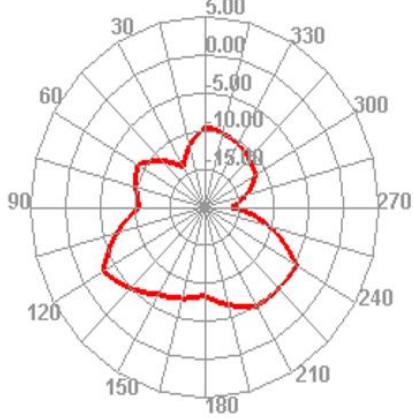
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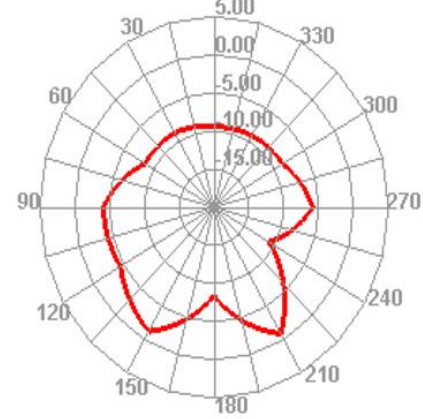
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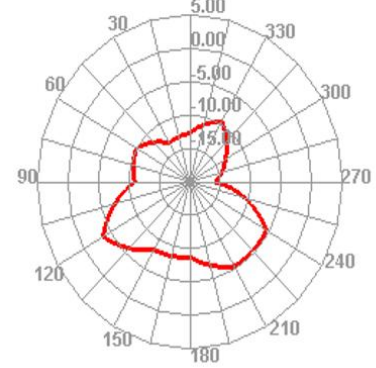
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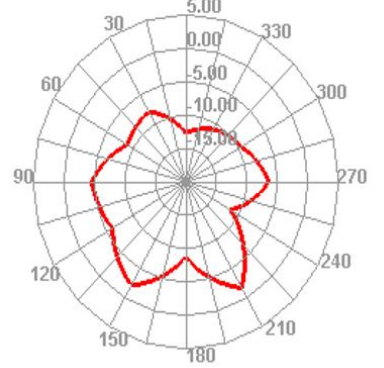
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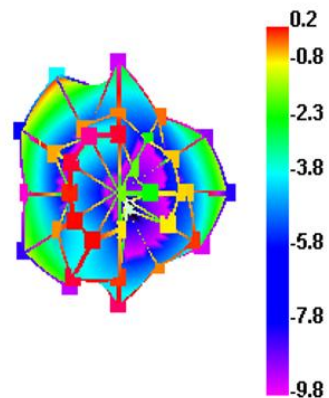
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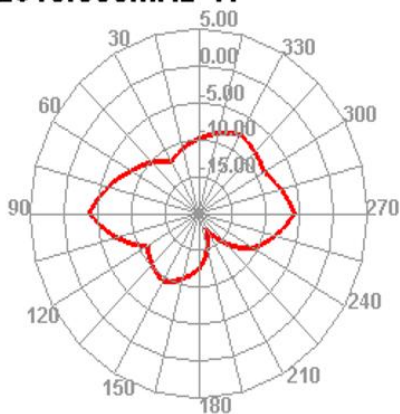
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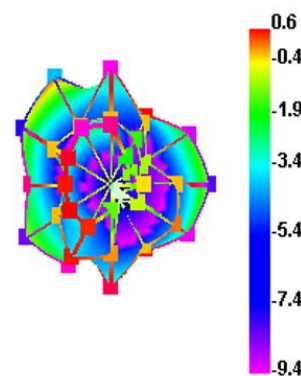
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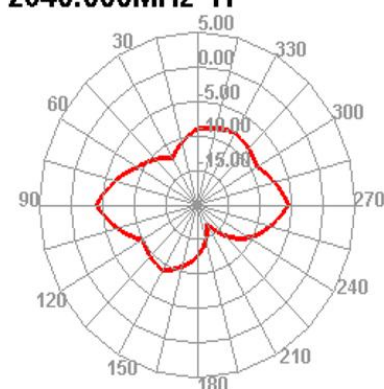
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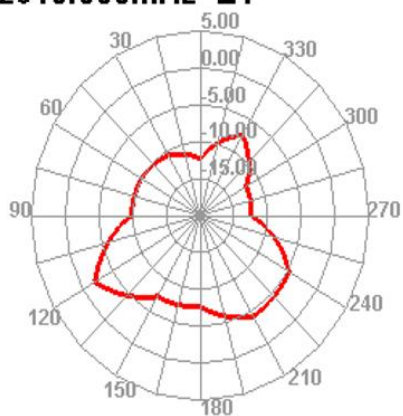
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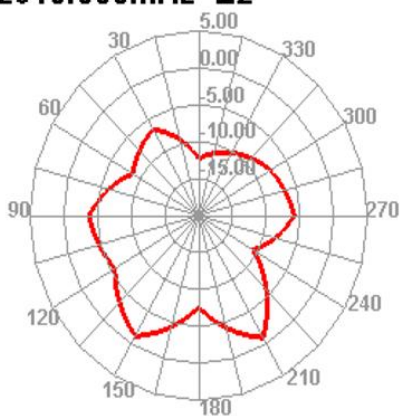
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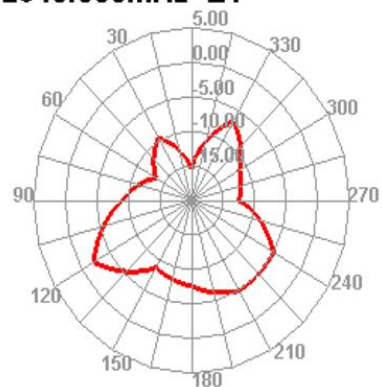
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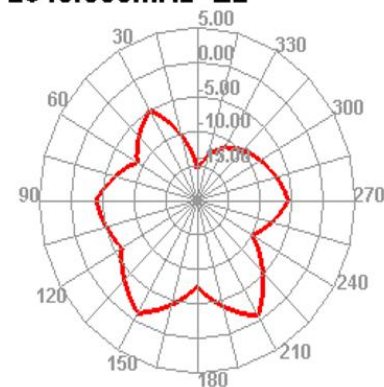
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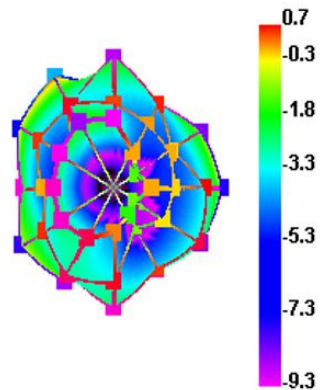
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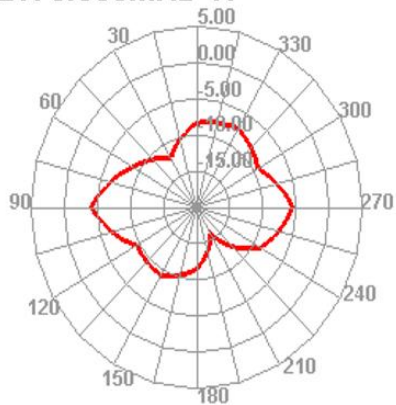
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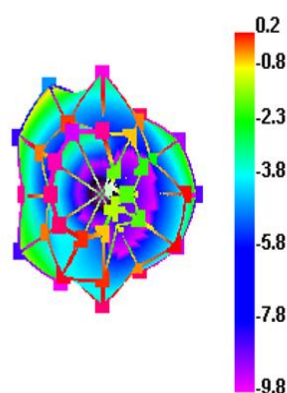
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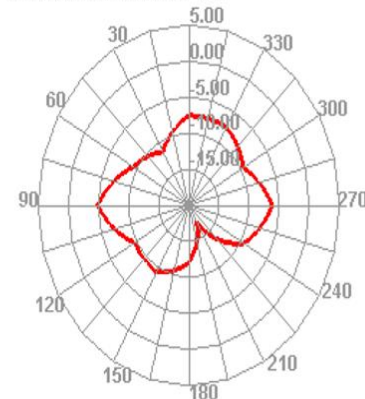
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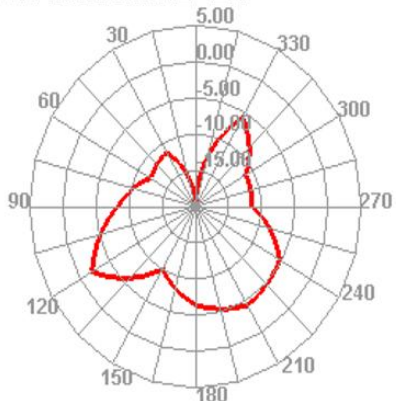
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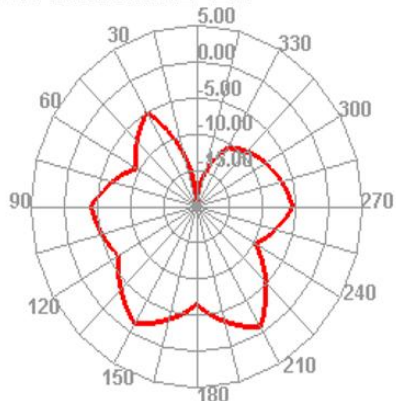
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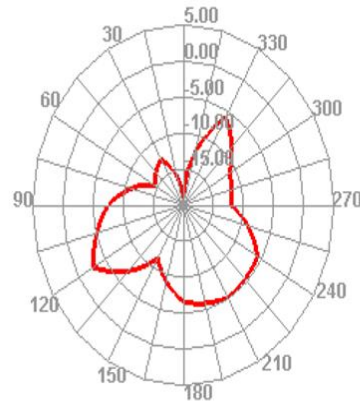
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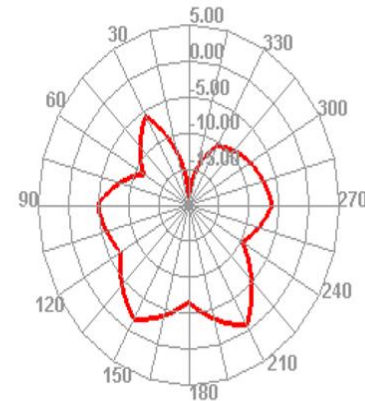
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2690.000MHz E1



2690.000MHz E2



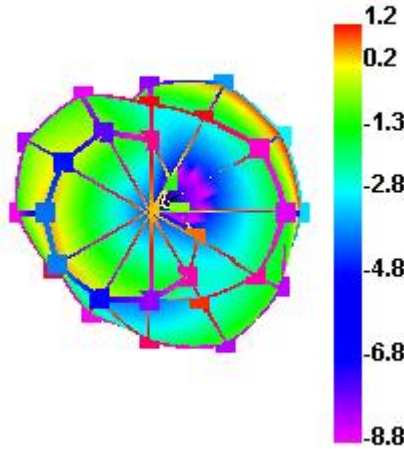
2 .diversity antenna

Passive Test For D2			Passive Test For D2			Passive Test For D2			Passive Test For D2		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
1750	23.66	-1.54	1860	26.55	-0.38	1970	39.18	1.55	2080	29.56	-0.07
1760	17.47	-2.64	1870	39.55	1.45	1980	27.23	-0.01	2090	35.45	0.63
1770	30.57	-0.49	1880	29.81	0.39	1990	33.51	0.84	2100	29.44	-0.22
1780	19.65	-2.44	1890	37.46	1.42	2000	28.6	0.08	2110	31.48	0
1790	31.95	-0.24	1900	37.4	1.48	2010	34.03	0.99	2120	44.61	1.45
1800	22.65	-1.74	1910	39.7	1.68	2020	38.63	1.41	2130	27.28	-0.73
1810	29.78	-0.25	1920	40.85	1.75	2030	35.87	0.92	2140	30.89	-0.17
1820	24.86	-1.02	1930	33.42	0.75	2040	31.08	-0.07	2150	25.44	-1.3
1830	31.04	0.07	1940	31.99	0.43	2050	33.63	0.56	2160	29.95	-0.46
1840	25.37	-0.68	1950	37.94	1.28	2060	27.1	-0.49	2170	27.11	-1.01
1850	32.16	0.34	1960	28.82	-0.03	2070	36.14	0.93			

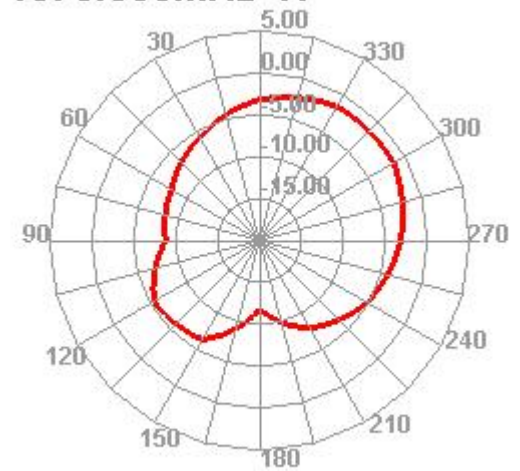
3 .GPS antenna

Passive Test For GPS		
Freq (MHz)	Effi (%)	Gain (dBi)
1565	31.82	1.18
1567	34.34	1.24
1569	36.75	1.37
1571	45.4	1.26
1573	40.79	1.32
1575	47.17	1.23
1577	34.52	0.97
1579	32.58	0.85
1581	32.93	0.87
1583	34.78	0.75
1585	35.67	0.72

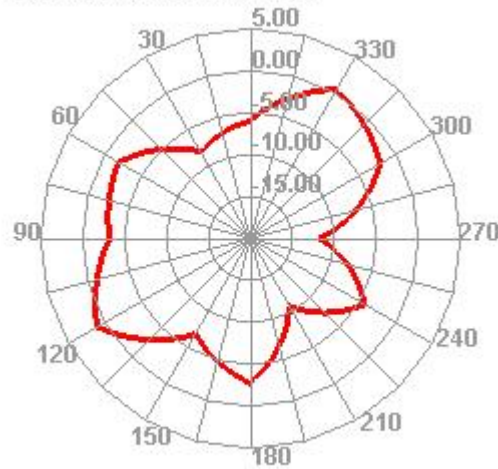
1575.000MHz



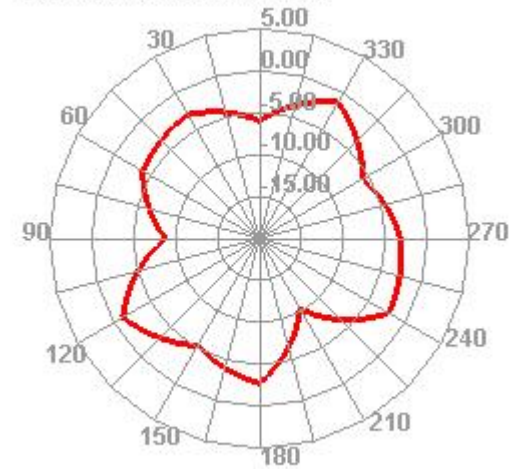
1575.000MHz H



1575.000MHz E1



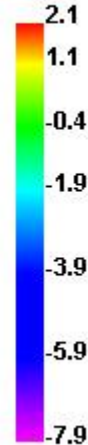
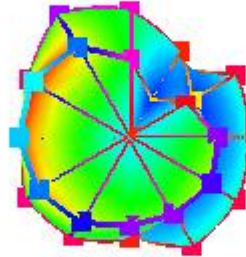
1575.000MHz E2



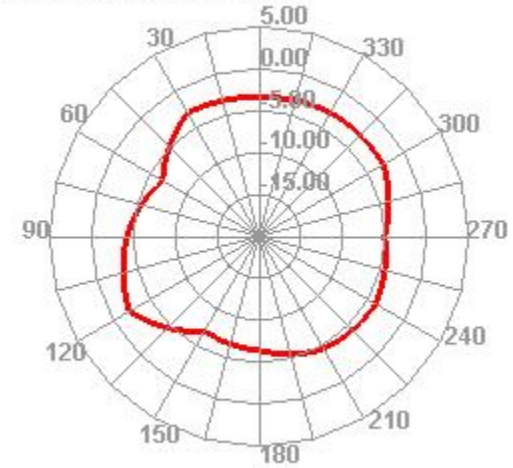
4 .WIFI 2.4G/BT antenna

Passive Test For wifi2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	40.82	1.38
2410	44.14	1.49
2420	40.47	1.48
2430	50.91	1.36
2440	36.7	1.32
2450	43.65	1.50
2460	37.7	1.47
2470	41.78	1.4
2480	35.54	1.18
2490	35.25	0.08
2500	33.03	0.4

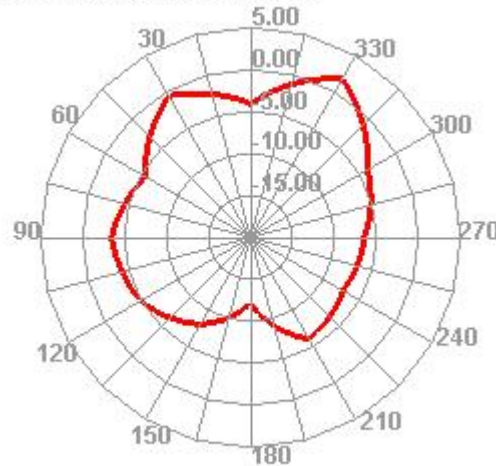
2450.000MHz



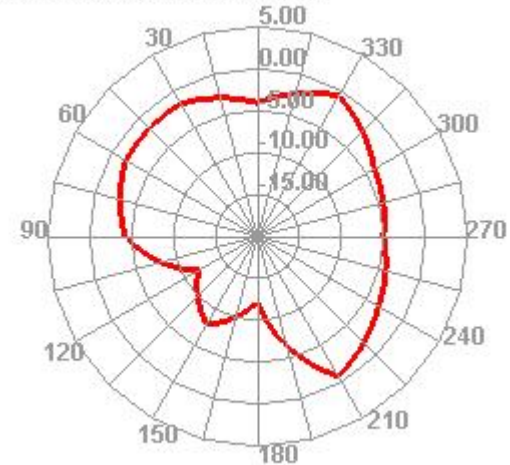
2450.000MHz H



2450.000MHz E1



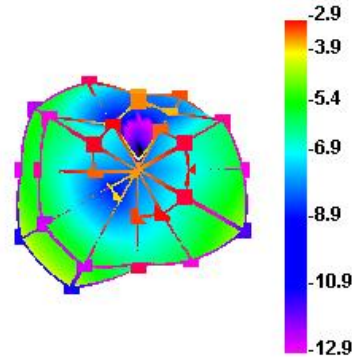
2450.000MHz E2



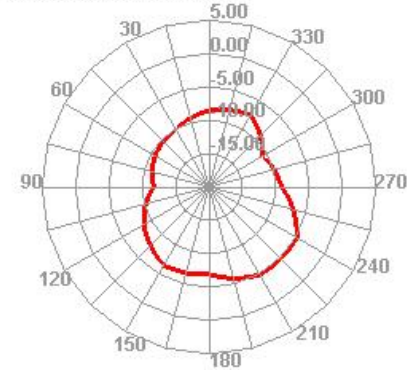
5 .WIFI 5.8G antenna

Passive Test For		
Freq (MHz)	Effi (%)	Gain (dBi)
5160	33.48	1.43
5200	31.88	1.9
5340	44.04	1.75
5430	45.08	2.00
5550	43.23	1.5
5670	44.67	1.97
5750	32.34	1.56
5820	34.07	1.98
5850	32.48	1.5

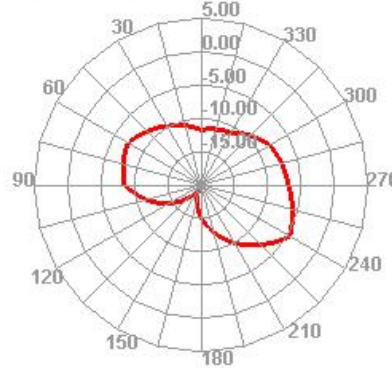
5120.000MHz



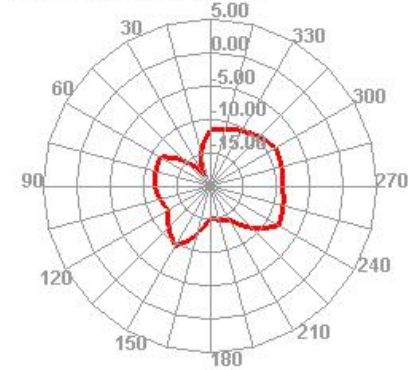
5120.000MHz H



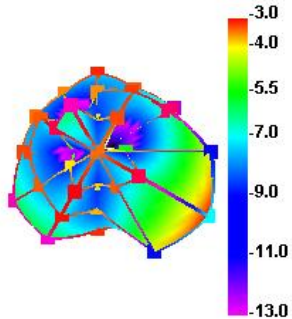
5120.000MHz E1



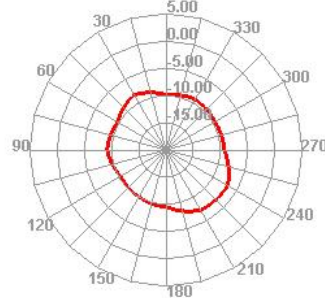
5120.000MHz E2



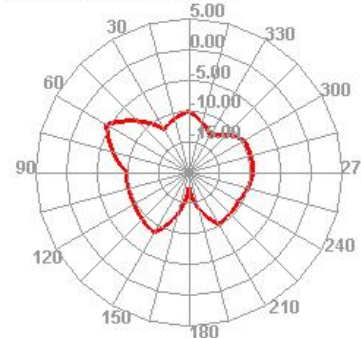
5820.000MHz



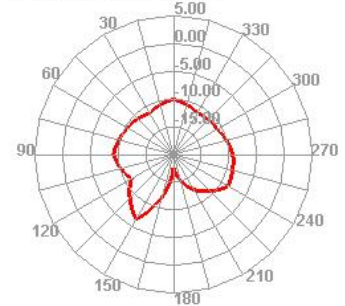
5820.000MHz H



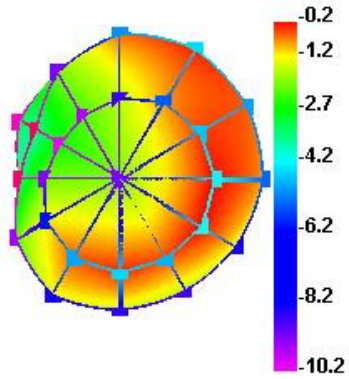
5820.000MHz E1



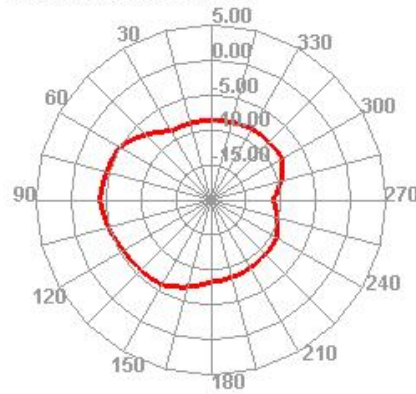
5820.000MHz E2



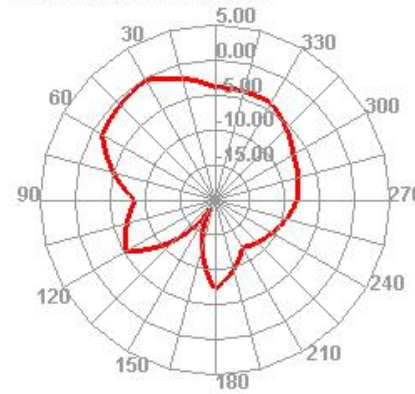
1790.000MHz



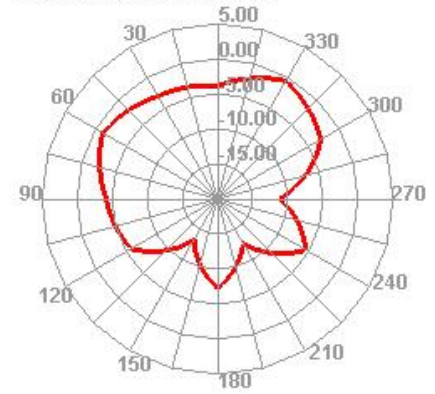
1790.000MHz H



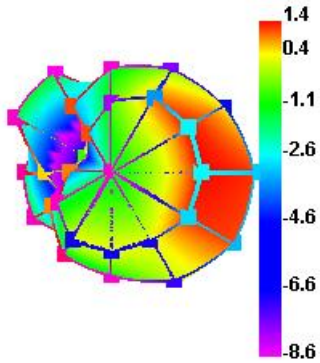
1790.000MHz E1



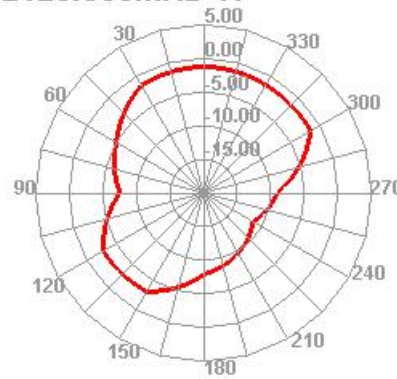
1790.000MHz E2



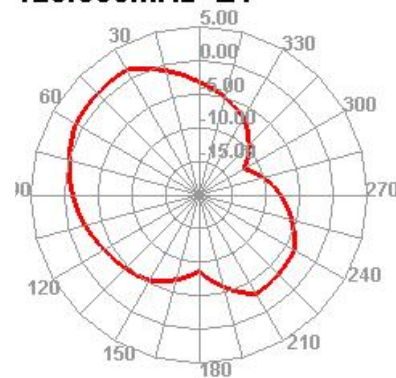
2120.000MHz



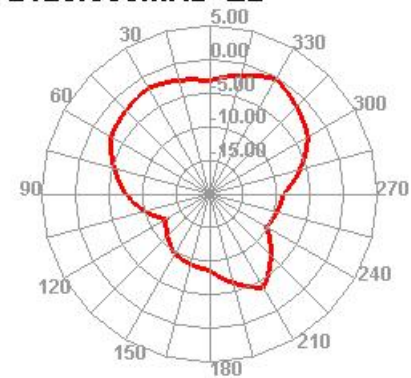
2120.000MHz H



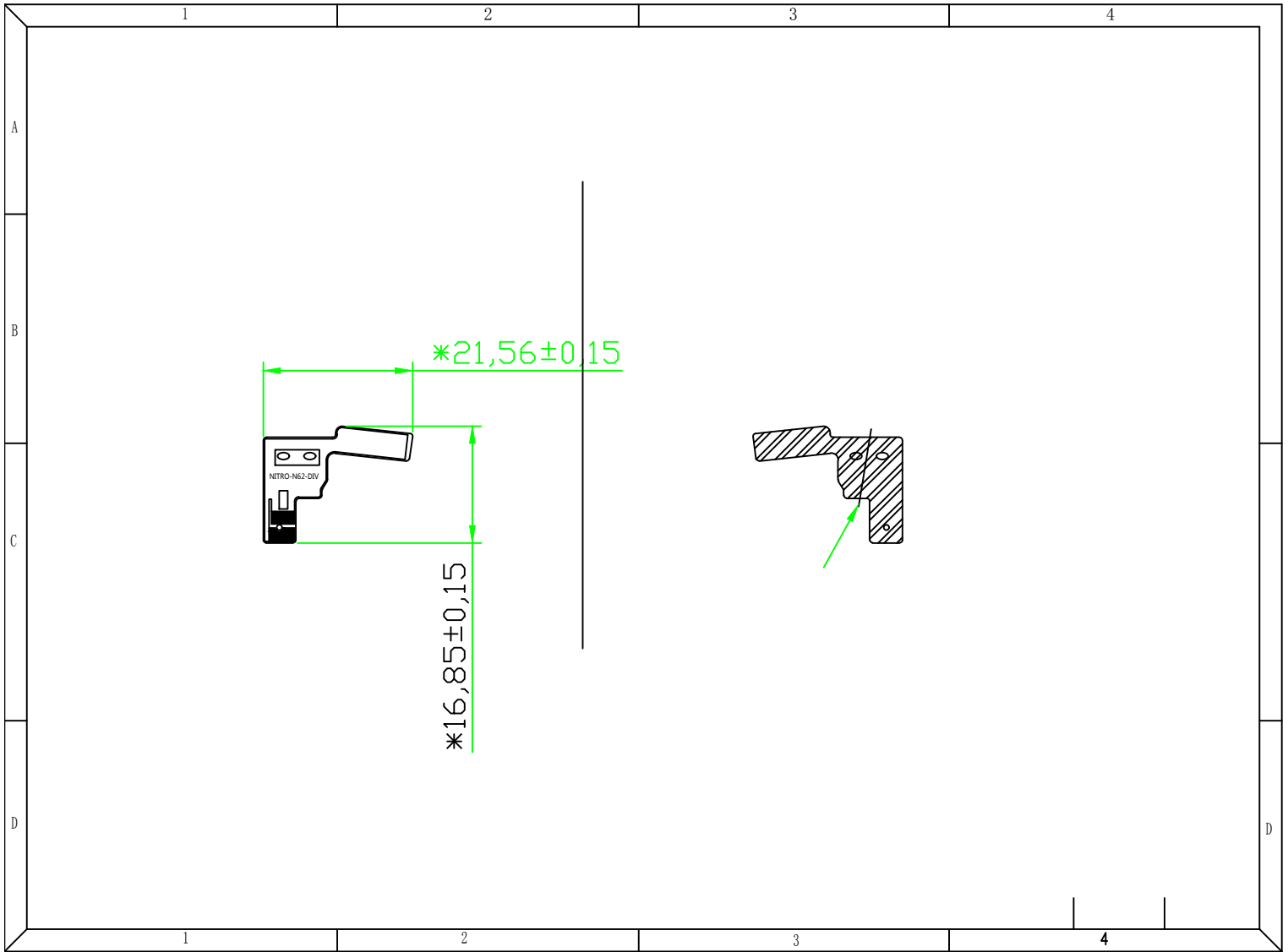
2120.000MHz E1



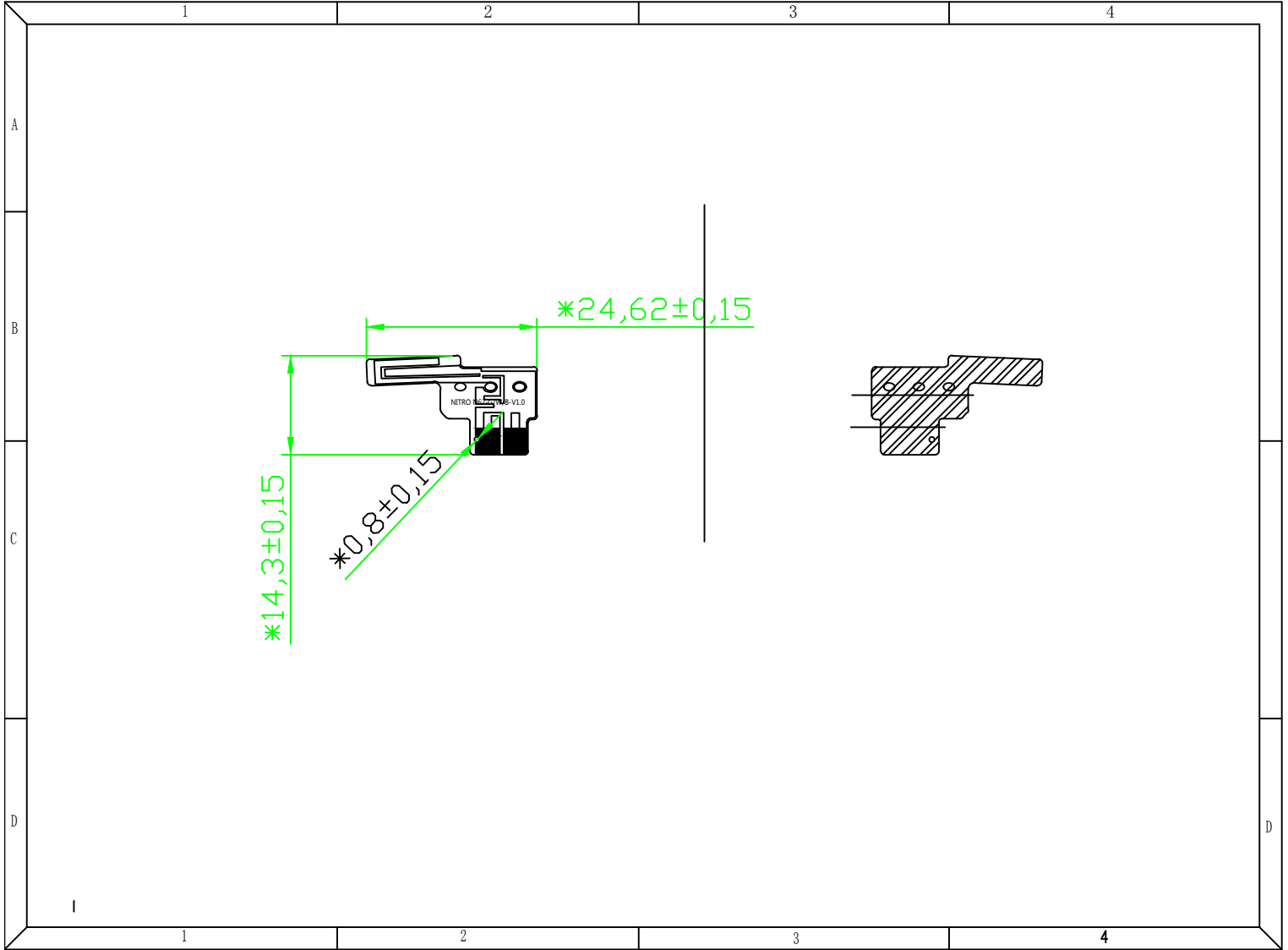
2120.000MHz E2



T6392B - FPC diversity antenna



T6392B - FPC triad antenna



T6392B-FPC Main Antenna

