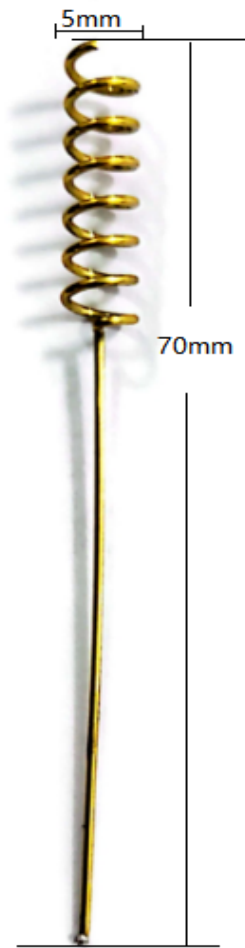
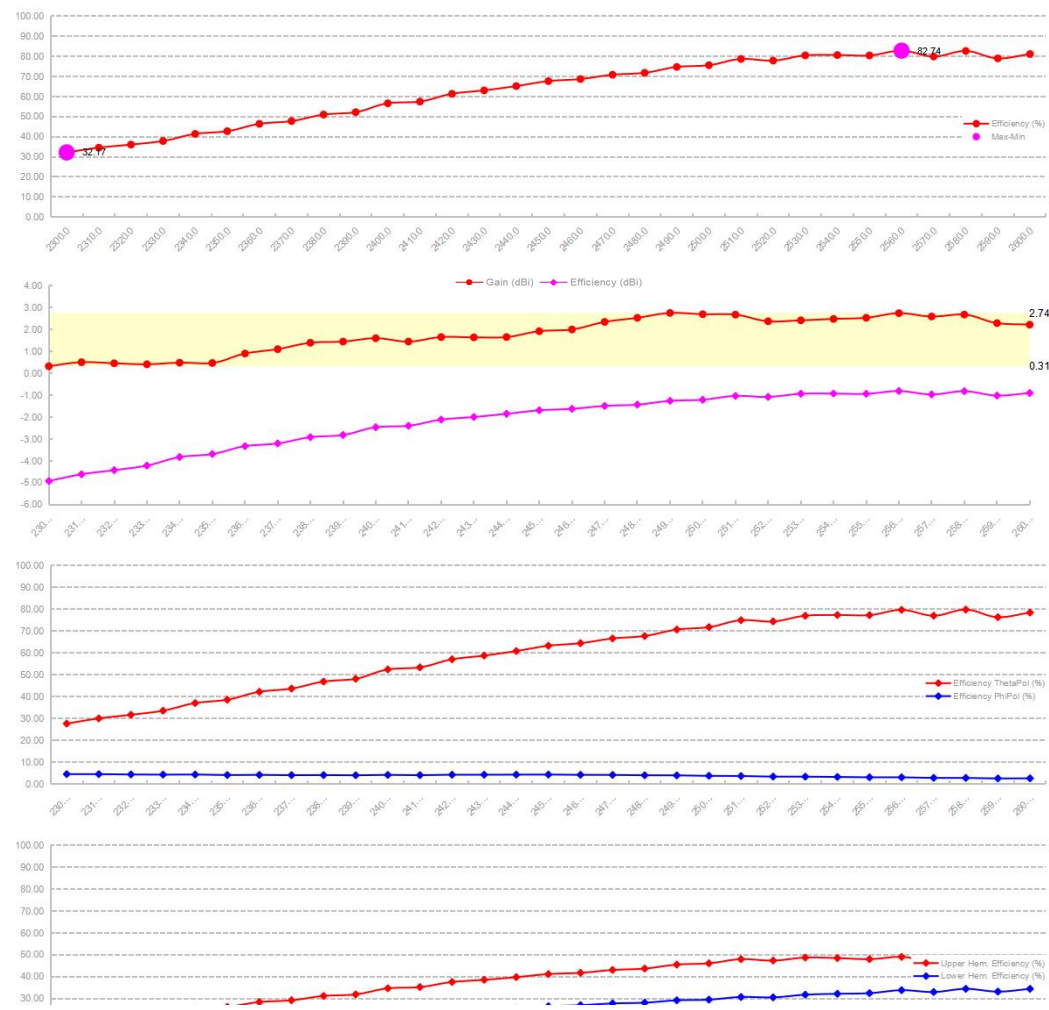
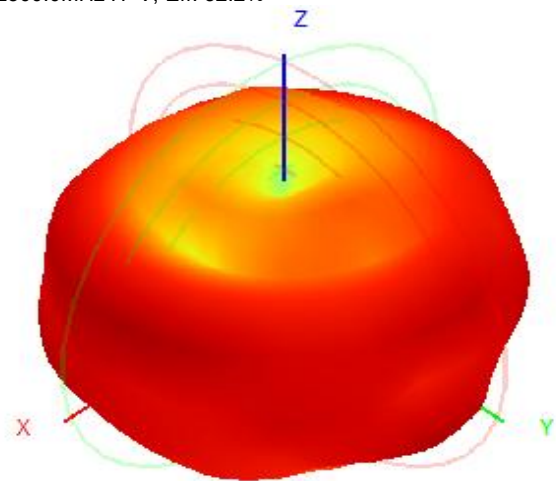


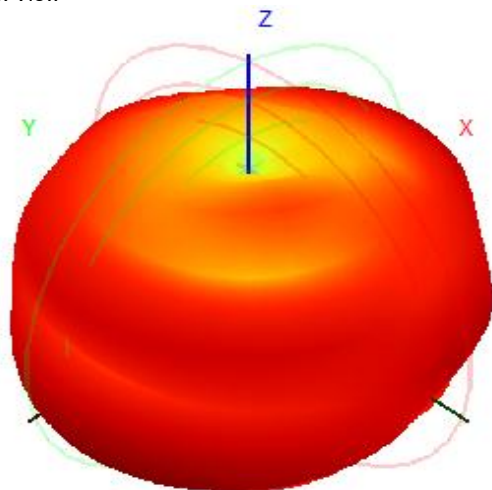
深圳市海博思科技有限公司																																
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Frequency (MHz)	2300.0	2310.0	2320.0	2330.0	2340.0	2350.0	2360.0	2370.0	2380.0	2390.0	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	2510.0	2520.0	2530.0	2540.0	2550.0	2560.0	2570.0	2580.0	2590.0	2600.0	
Efficiency (dBi)	-4.93	-4.62	-4.43	-4.22	-3.83	-3.70	-3.34	-3.21	-2.93	-2.83	-2.47	-2.41	-2.13	-2.01	-1.86	-1.70	-1.63	-1.50	-1.44	-1.27	-1.22	-1.05	-1.09	-0.95	-0.94	-0.95	-0.82	-0.98	-0.83	-1.03	-0.91	
Gain (dBi)	0.31	0.49	0.44	0.40	0.47	0.46	0.89	1.09	1.38	1.43	1.59	1.43	1.64	1.63	1.64	1.91	1.99	2.33	2.52	2.74	2.68	2.66	2.36	2.40	2.47	2.52	2.73	2.58	2.67	2.28	2.21	
Efficiency (%)	32.17	34.51	36.04	37.81	41.36	42.69	46.36	47.71	50.95	52.15	56.58	57.43	61.30	62.99	65.13	67.58	68.63	70.76	71.73	74.63	75.51	78.61	77.80	80.38	80.57	80.36	82.74	79.84	82.59	78.90	81.04	
Directivity (dB)	5.23	5.11	4.88	4.62	4.31	4.15	4.23	4.30	4.31	4.26	4.06	3.84	3.77	3.63	3.50	3.61	3.62	3.83	3.96	4.01	3.90	3.71	3.45	3.35	3.40	3.47	3.55	3.55	3.50	3.31	3.12	
Peak Gain Position (Theta)	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	75.00	75.00	75.00	75.00	90.00	90.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
Peak Gain Position (Phi)	210.00	195.00	195.00	195.00	195.00	195.00	210.00	210.00	210.00	210.00	195.00	345.00	345.00	345.00	345.00	210.00	195.00	0.00	0.00	345.00	345.00	345.00	345.00	0.00	0.00	0.00	0.00	345.00	345.00	345.00	345.00	
Efficiency ThetaPol (%)	27.65	30.02	31.68	33.53	37.04	38.59	42.20	43.67	46.88	48.15	52.43	53.38	57.07	58.76	60.85	63.28	64.44	66.62	67.73	70.69	71.79	74.97	74.41	77.03	77.35	77.30	79.70	77.04	79.83	76.36	78.46	
Efficiency PhiPol (%)	4.52	4.50	4.36	4.28	4.32	4.11	4.16	4.04	4.07	4.00	4.15	4.05	4.22	4.23	4.28	4.30	4.19	4.14	4.00	3.94	3.72	3.64	3.39	3.35	3.22	3.06	3.04	2.80	2.76	2.54	2.58	
Upper Hem. Efficiency (%)	18.87	20.61	21.87	23.14	25.39	26.19	28.39	29.19	31.16	31.88	34.64	35.21	37.53	38.51	39.72	41.13	41.70	43.00	43.63	45.45	46.03	47.92	47.29	48.66	48.42	47.93	48.96	46.87	48.19	45.76	46.66	
Lower Hem. Efficiency (%)	13.29	13.90	14.17	14.67	15.97	16.50	17.97	18.52	19.80	20.27	21.94	22.23	23.77	24.47	25.41	26.45	26.93	27.76	28.10	29.18	29.48	30.69	30.51	31.72	32.15	32.43	33.78	32.96	34.40	33.14	34.39	
T90(H) 圆度	6.27	6.01	5.78	5.54	5.04	4.62	4.20	3.81	3.57	3.69	3.38	2.96	2.86	2.69	3.04	3.70	4.25	4.51	4.31	3.80	3.30	2.98	2.87	2.97	3.13	3.24	3.13	2.80	2.40	2.15	2.15	
Gain 15deg (dBi)																																
E1(XZ)波瓣宽度	19.00	19.00	19.00	19.00	20.00	22.00	23.00	24.00	24.00	24.00	23.00	50.00	52.00	51.00	52.00	30.00	27.00	26.00	25.00	27.00	33.00	45.00	50.00	52.00	52.00	52.00	50.00	50.00	52.00	55.00	58.00	
E1(XZ)前后比	4.90	5.25	5.39	5.49	5.44	5.51	5.61	5.88	6.31	6.67	6.91	7.04	7.02	7.02	7.09	7.42	7.88	8.55	8.77	8.78	8.54	8.48	8.37	8.55	8.71	8.84	8.85	8.66	8.33	8.16	7.86	
E2(YZ)波瓣宽度	35.00	30.00	30.00	25.00	29.00	42.00	48.00	53.00	55.00	56.00	56.00	56.00	57.00	58.00	57.00	59.00	62.00	68.00	74.00	79.00	82.00	75.00	79.00	73.00	74.00	75.00	76.00	76.00	75.00	73.00		
E2(YZ)前后比	6.13	6.31	6.67	7.07	6.96	6.77	6.40	6.32	6.38	6.49	6.70	6.59	6.26	5.90	6.13	6.25	6.41	6.40	6.22	6.20	6.31	6.41	6.45	6.38	6.25	6.40	6.48	6.71	6.72	6.62	6.44	
最大增益处轴比(P)	14.45	22.44	24.19	26.70	27.33	28.12	18.27	18.92	19.52	20.22	35.39	30.05	31.44	29.48	25.89	17.64	24.45	20.37	20.85	19.96	20.74	21.15	20.61	25.05	24.61	26.76	31.00	26.91	30.62	35.31	34.44	
顶点(Theta=0) 处轴比(P)	1.62	-4.13	7.48	10.70	13.84	17.51	27.82	34.22	17.55	13.35	11.23	8.79	7.96	6.80	6.05	5.34	5.36	6.14	6.29	7.06	7.93	8.23	8.47	9.17	10.21	10.41	10.62	11.30	10.20	8.96	8.28	
仰角10度处差(大)轴比(P)	61.13	90.82	67.43	57.84	55.52	72.39	59.73	69.72	62.04	51.02	72.81	63.91	68.01	59.85	52.86	51.53	98.13	64.27	77.38	93.82	76.91	78.44	61.67	73.47	90.46	75.24	60.35	64.63	72.51	67.57	62.09	
Hc(XY)波瓣宽度	112.00	114.00	117.00	122.00	130.00	329.00	136.00	137.00	137.00	139.00	143.00	360.00	360.00	360.00	354.00	321.00	312.00	309.00	316.00	329.00	339.00	360.00	360.00	360.00	343.00	340.00	343.00	360.00	360.00	360.00	360.00	
Hc(XY)前后比	1.42	1.50	1.49	1.39	1.14	0.82	0.72	0.81	0.99	1.24	1.36	1.21	0.79	0.66	0.58	0.65	0.75	0.99	1.15	0.82	0.47	0.18	0.06	0.14	0.36	0.63	0.72	0.51	0.17	0.00	0.00	
左旋圆极化效率 (%)	17.36	18.50	19.22	20.11	21.64	21.88	23.40	23.72	25.20	26.04	28.27	28.42	30.17	31.02	31.99	33.54	34.56	35.92	36.63	38.12	38.55	40.13	39.81	41.63	41.89	41.79	43.11	41.08	42.01	40.23	41.04	
右旋圆极化效率 (%)	14.81	16.01	16.82	17.69	19.72	20.82	22.96	23.99	25.75	26.10	28.31	29.01	31.12	31.97	33.13	34.04	34.07	34.84	35.10	36.51	36.96	38.48	37.99	38.75	38.68	38.57	39.63	38.76	40.58	38.67	40.00	
Empty																																



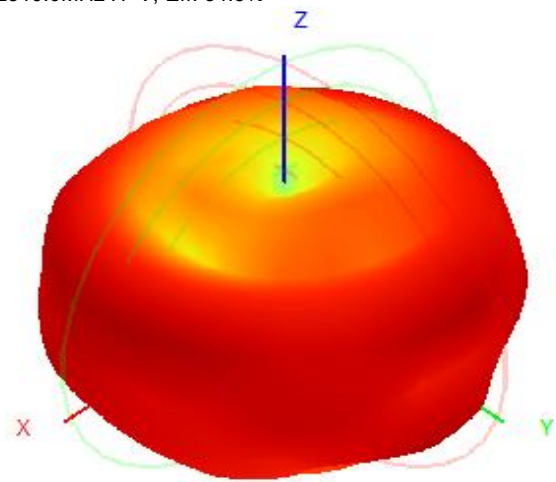
2300.0MHz H+V, Eff: 32.2%



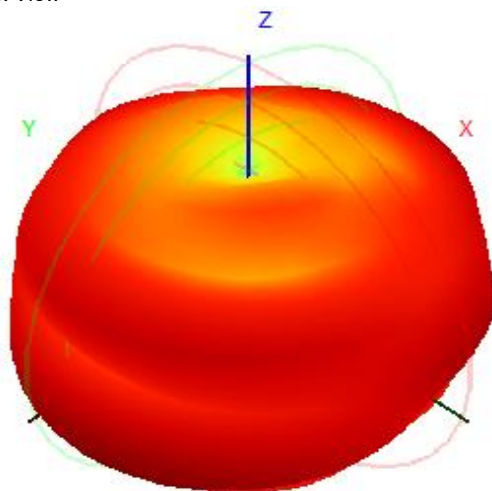
Back View



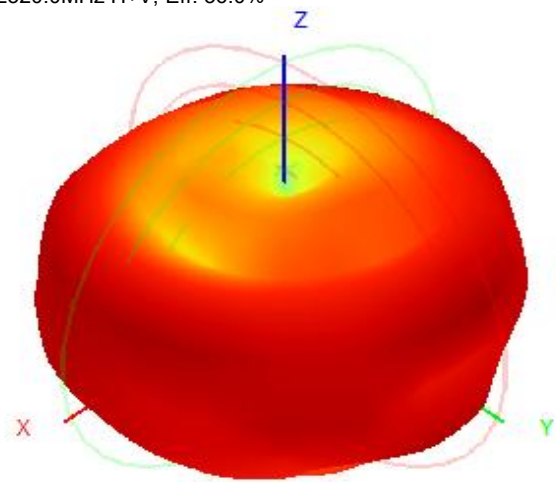
2310.0MHz H+V, Eff: 34.5%



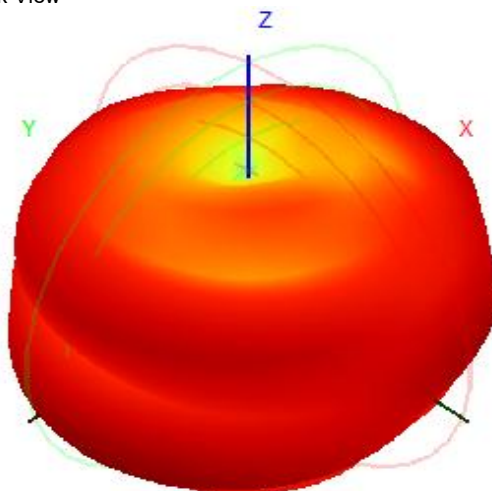
Back View



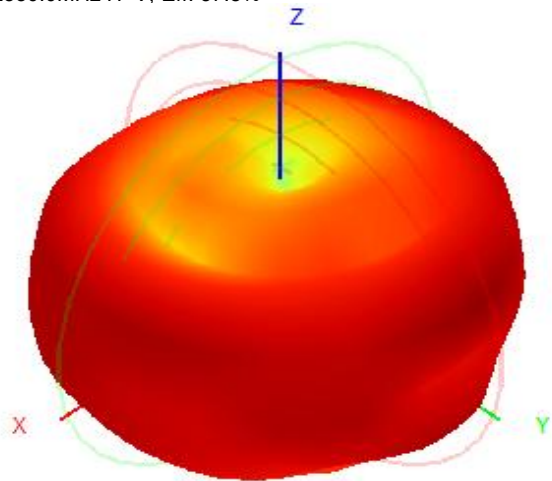
2320.0MHz H+V, Eff: 36.0%



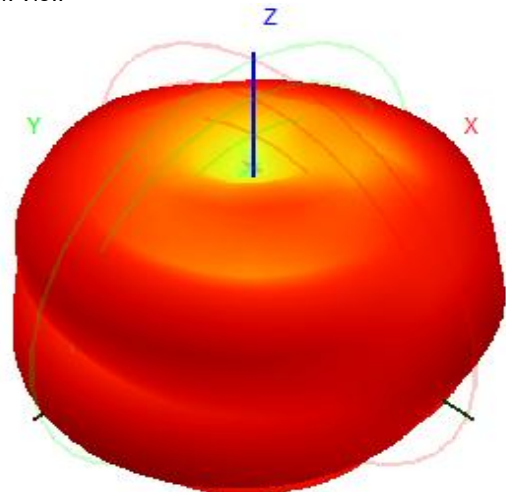
Back View



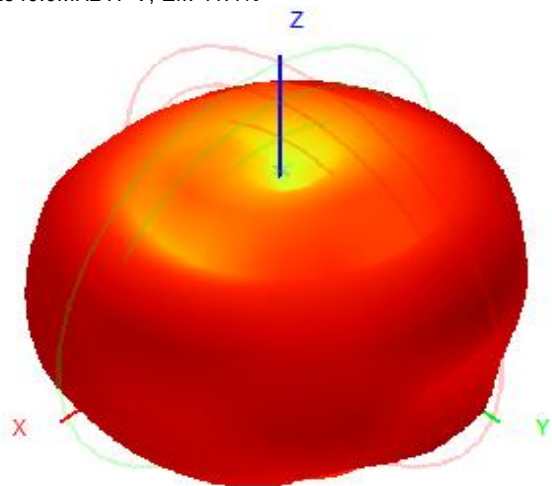
2330.0MHz H+V, Eff: 37.8%



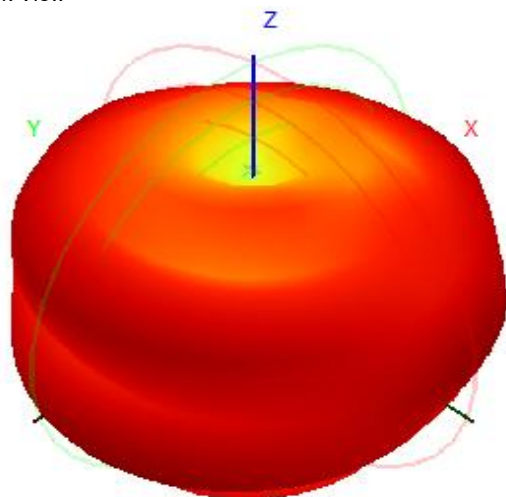
Back View



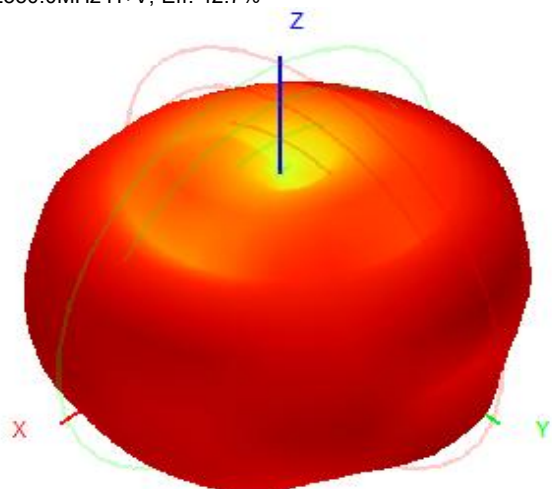
2340.0MHz H+V, Eff: 41.4%



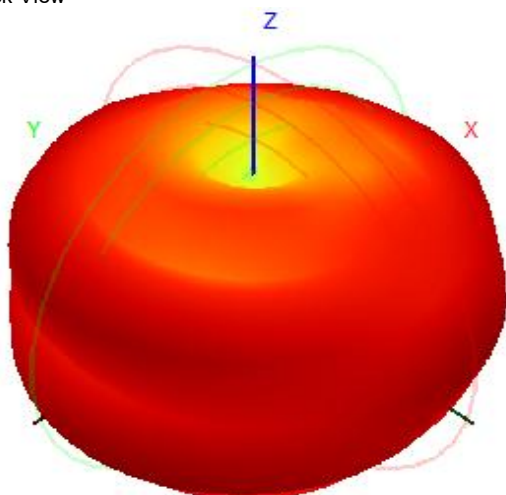
Back View



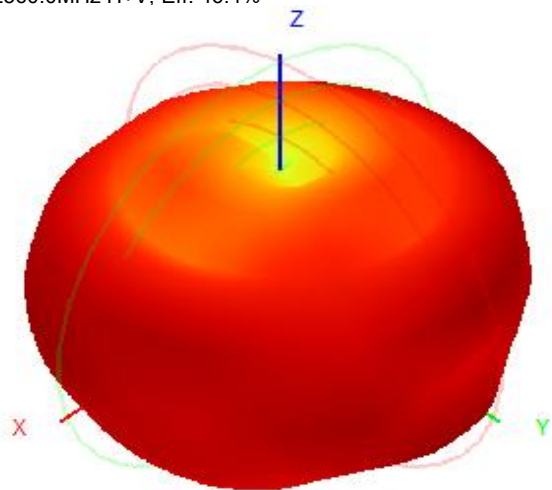
2350.0MHz H+V, Eff: 42.7%



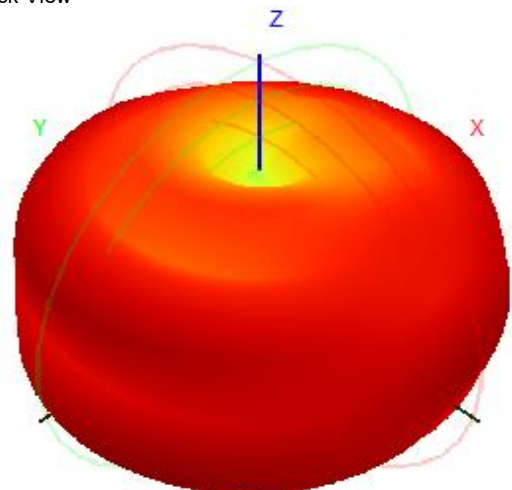
Back View



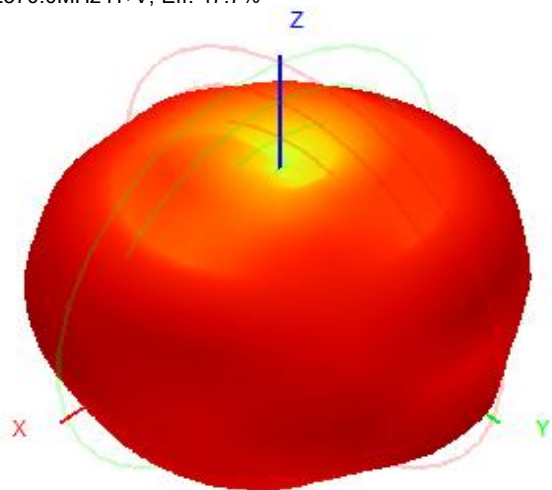
2360.0MHz H+V, Eff: 46.4%



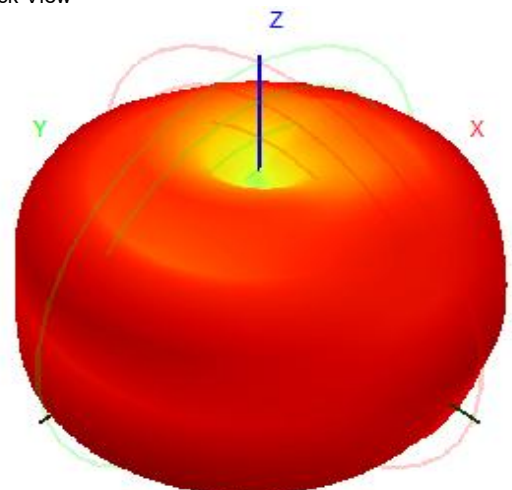
Back View



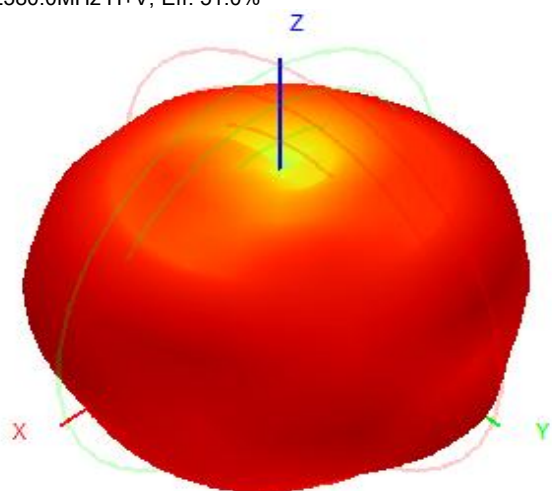
2370.0MHz H+V, Eff: 47.7%



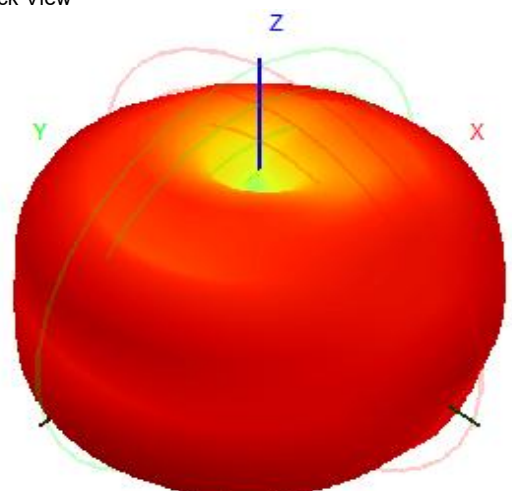
Back View



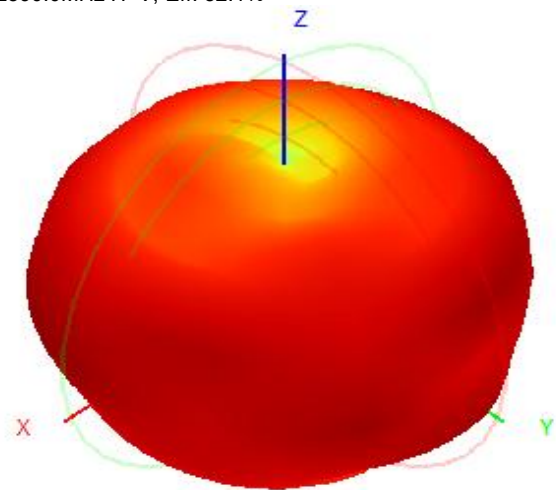
2380.0MHz H+V, Eff: 51.0%



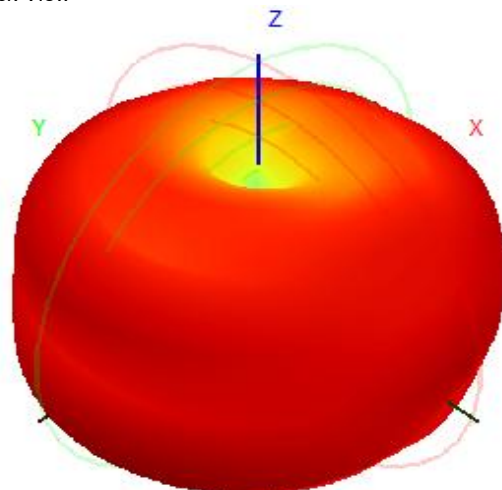
Back View



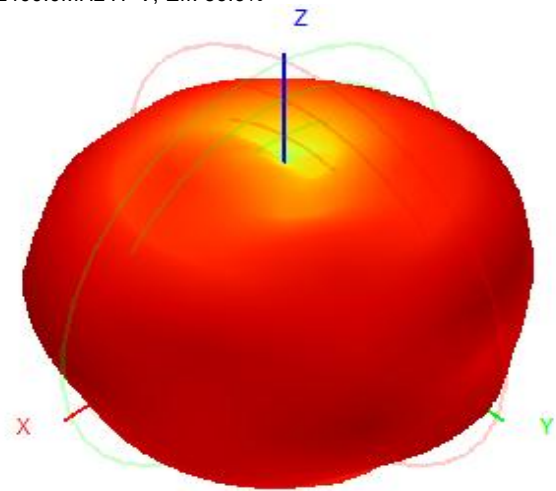
2390.0MHz H+V, Eff: 52.1%



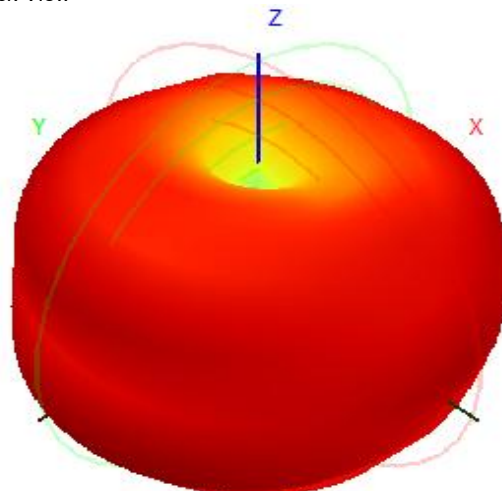
Back View



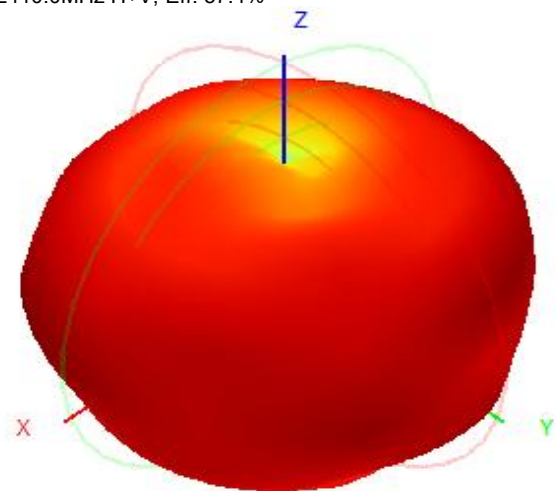
2400.0MHz H+V, Eff: 56.6%



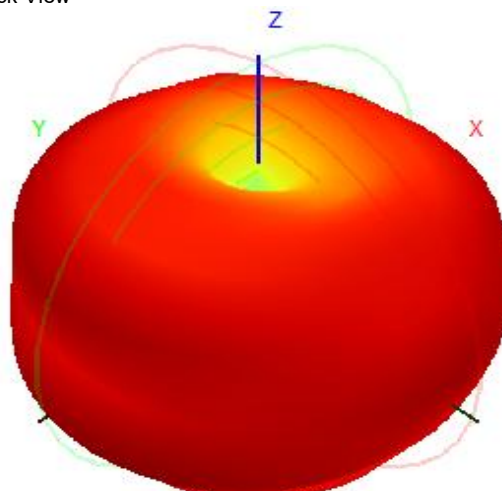
Back View



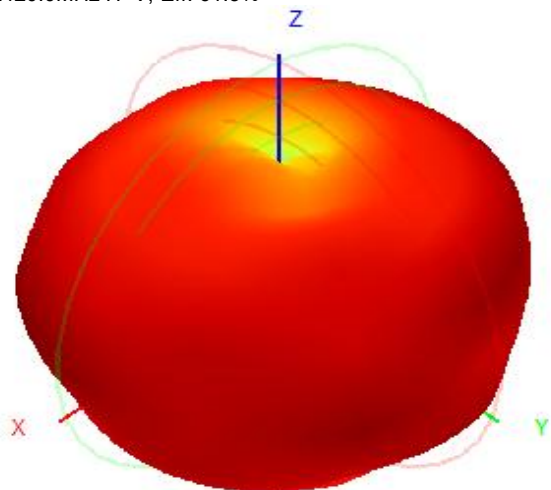
2410.0MHz H+V, Eff: 57.4%



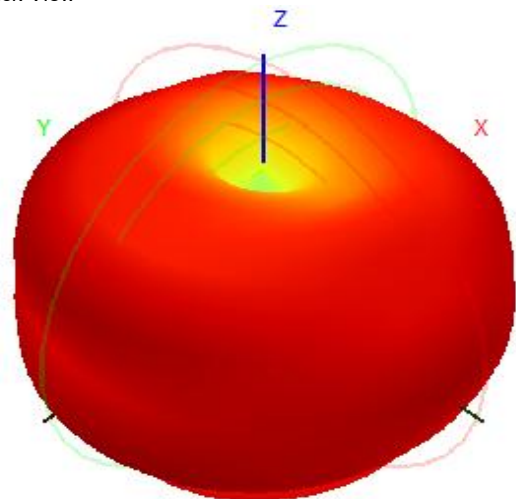
Back View



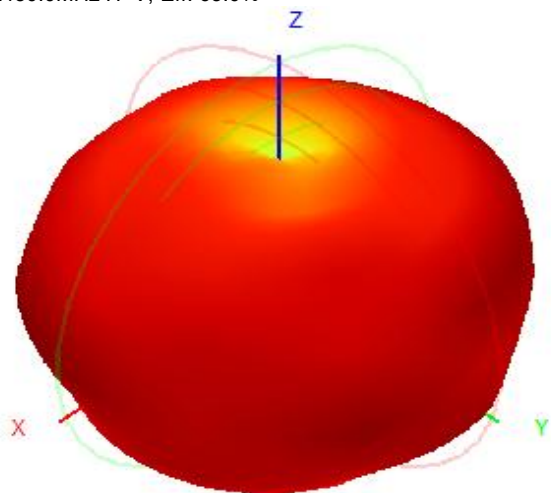
2420.0MHz H+V, Eff: 61.3%



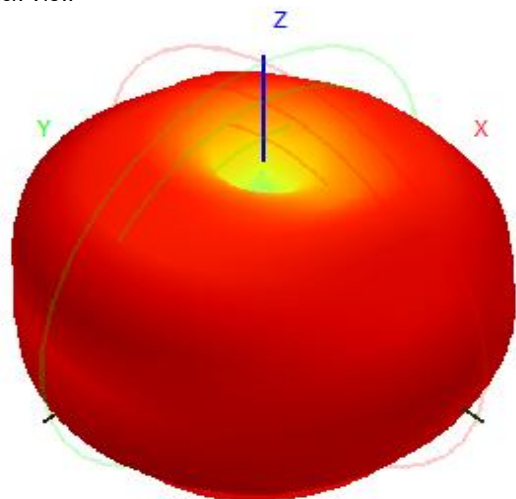
Back View



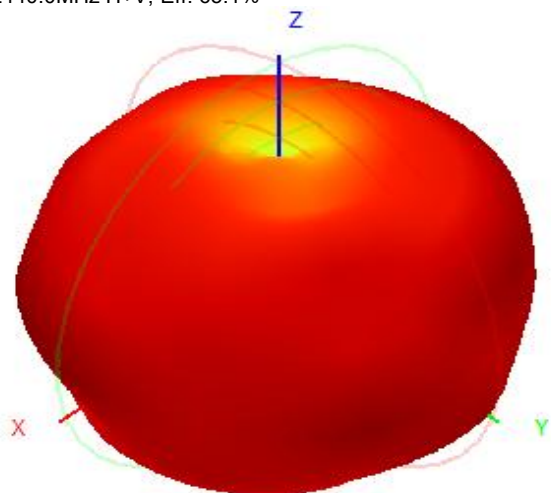
2430.0MHz H+V, Eff: 63.0%



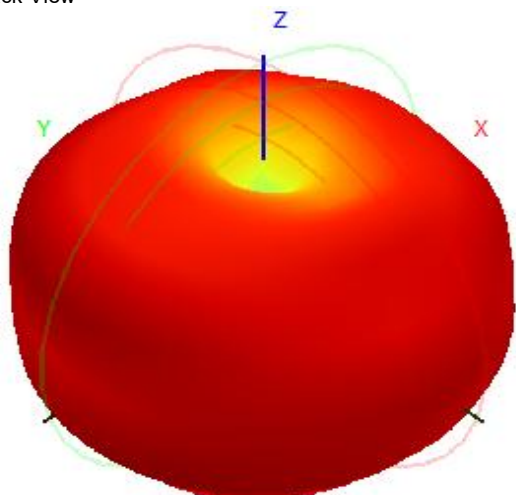
Back View



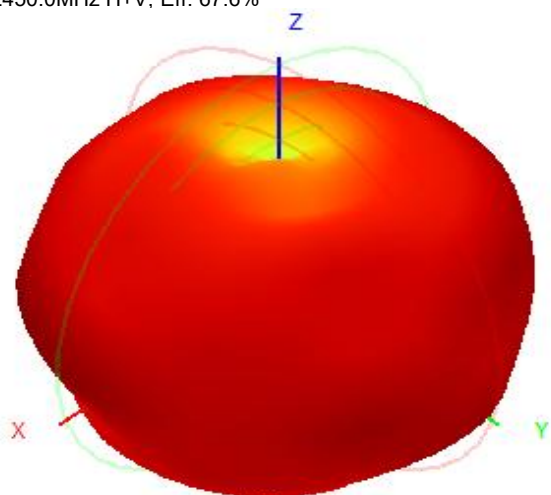
2440.0MHz H+V, Eff: 65.1%



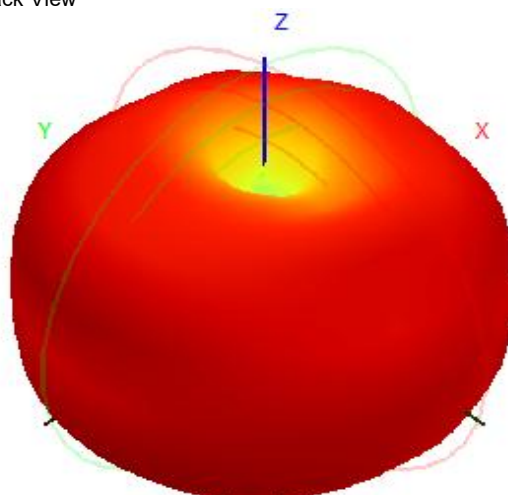
Back View



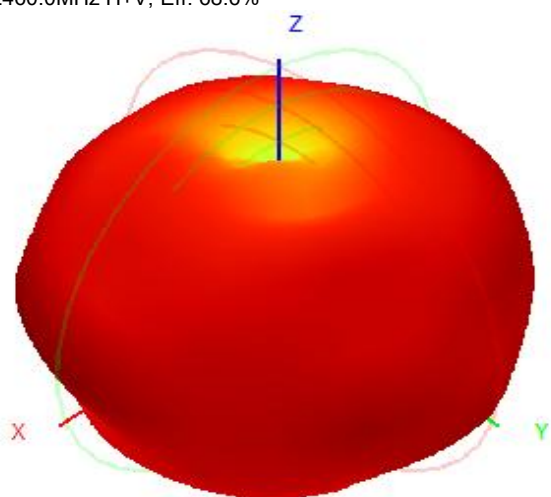
2450.0MHz H+V, Eff: 67.6%



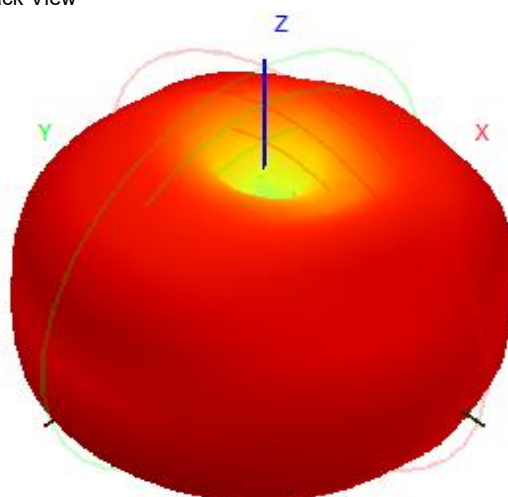
Back View



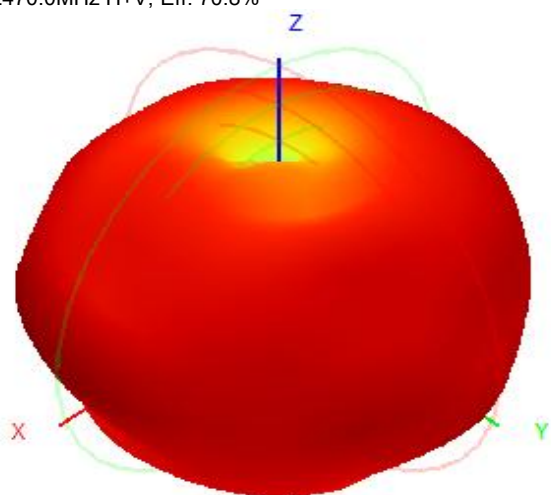
2460.0MHz H+V, Eff: 68.6%



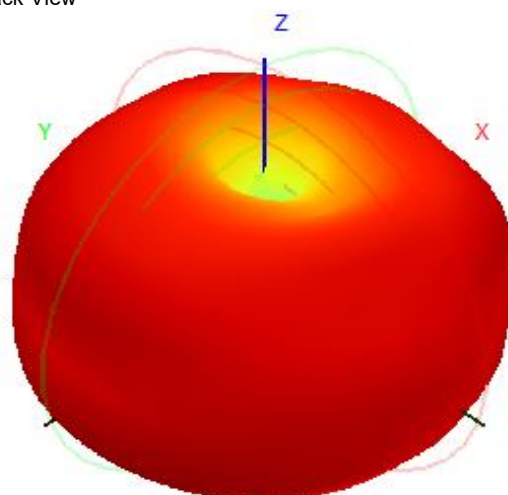
Back View



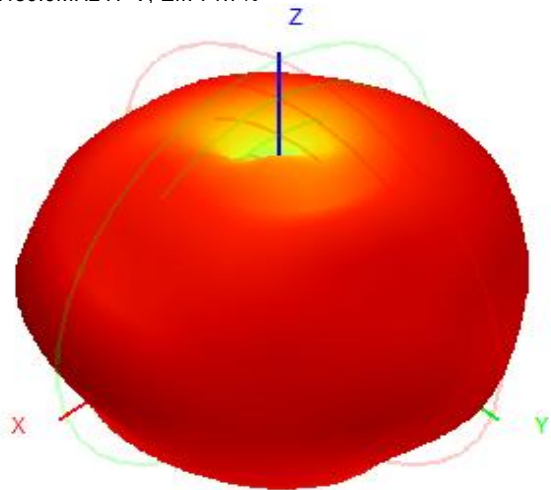
2470.0MHz H+V, Eff: 70.8%



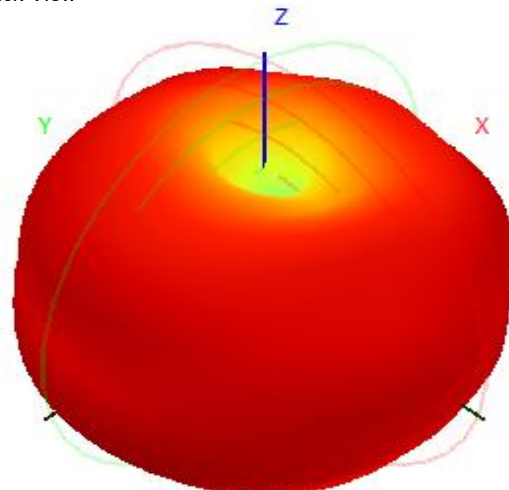
Back View



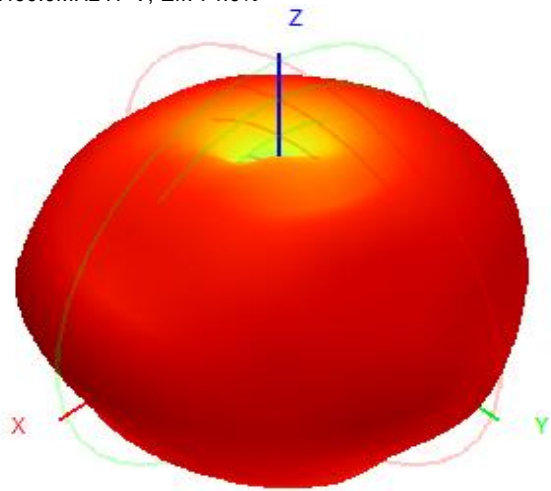
2480.0MHz H+V, Eff: 71.7%



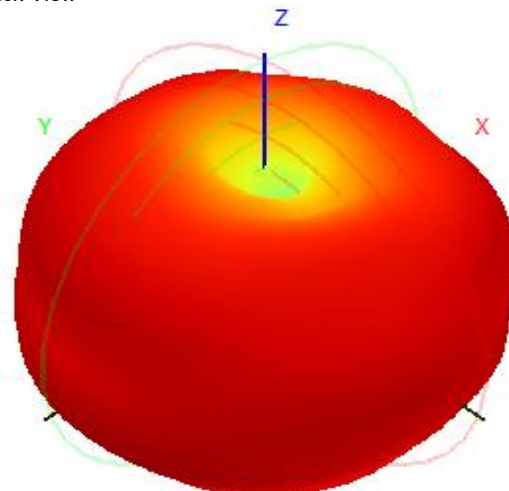
Back View



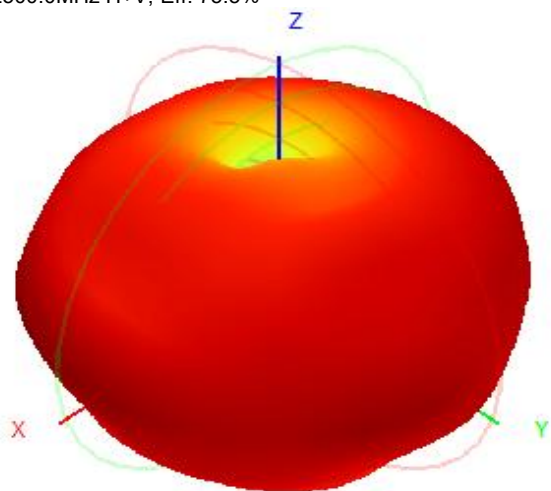
2490.0MHz H+V, Eff: 74.6%



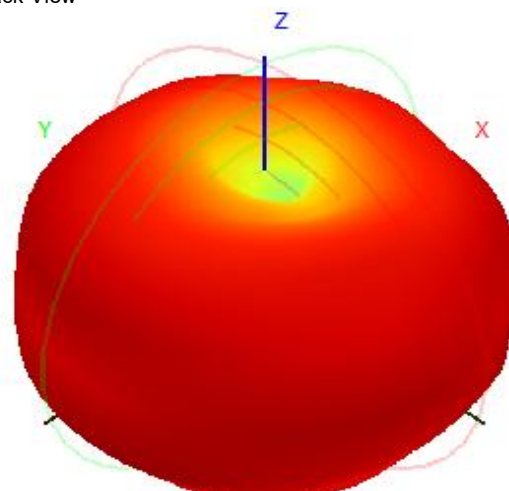
Back View



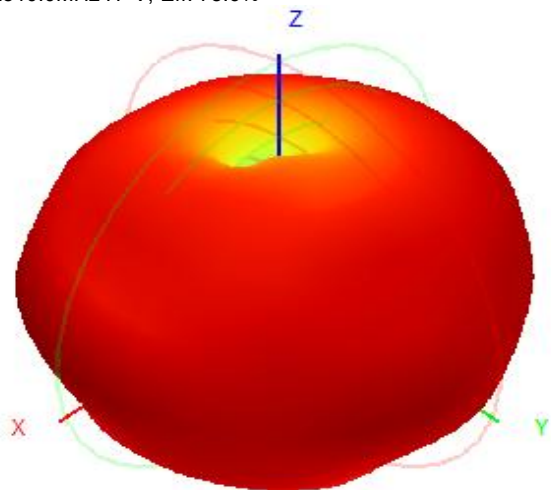
2500.0MHz H+V, Eff: 75.5%



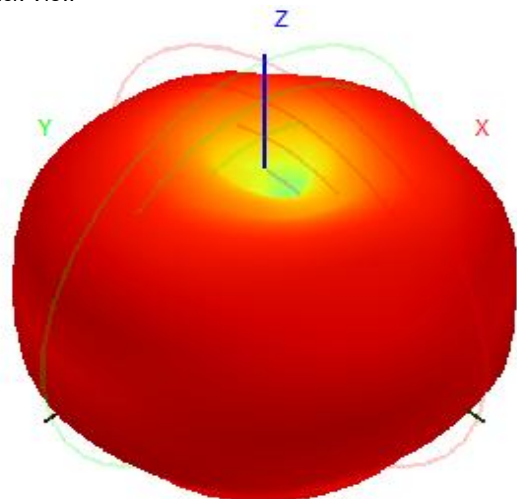
Back View



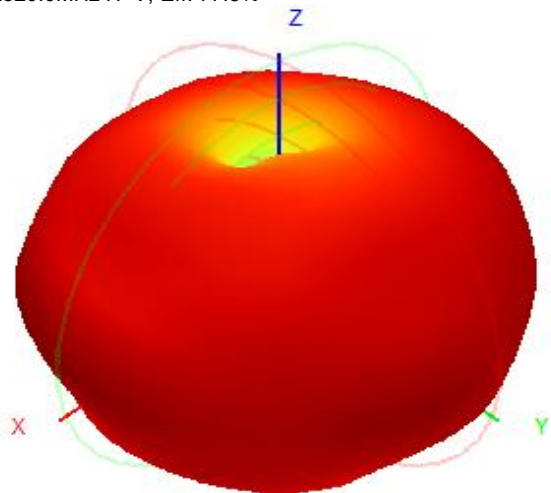
2510.0MHz H+V, Eff: 78.6%



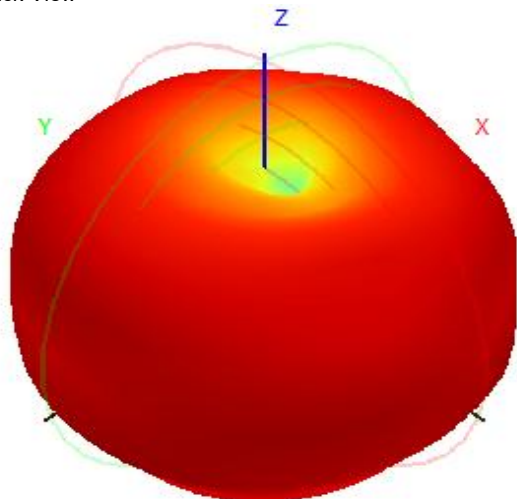
Back View



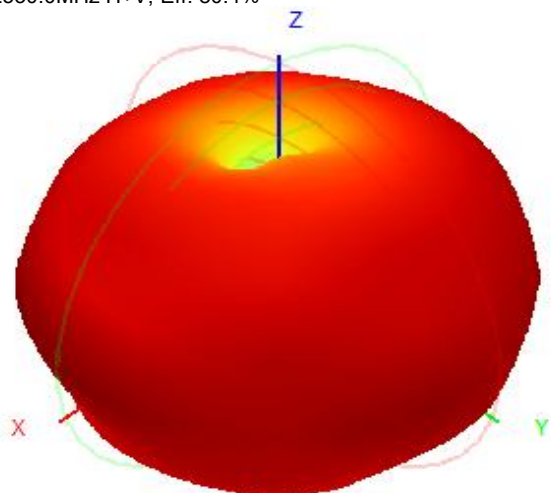
2520.0MHz H+V, Eff: 77.8%



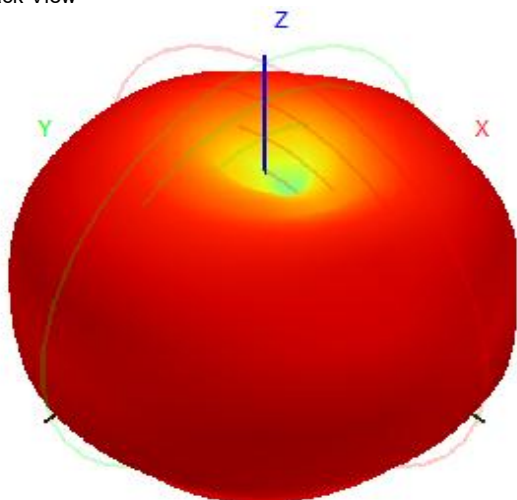
Back View



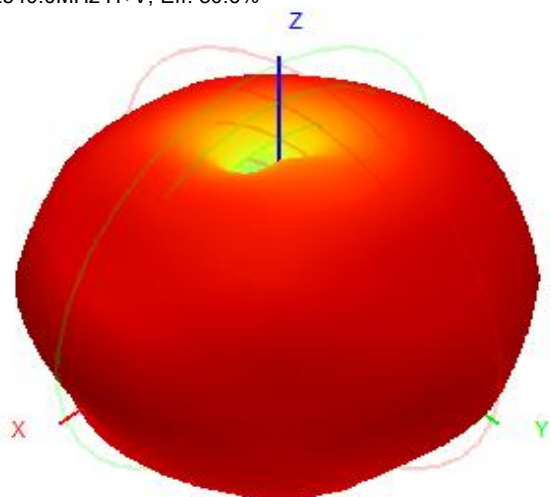
2530.0MHz H+V, Eff: 80.4%



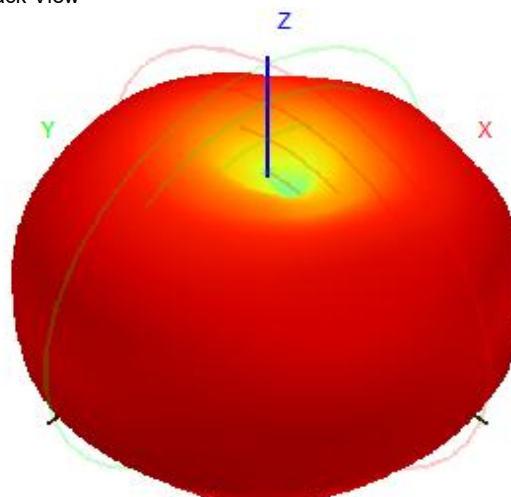
Back View



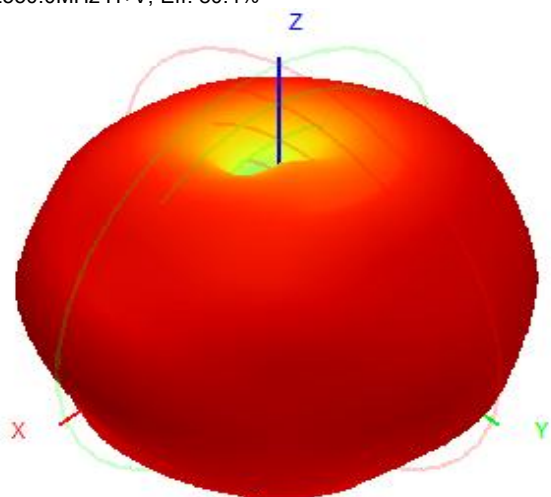
2540.0MHz H+V, Eff: 80.6%



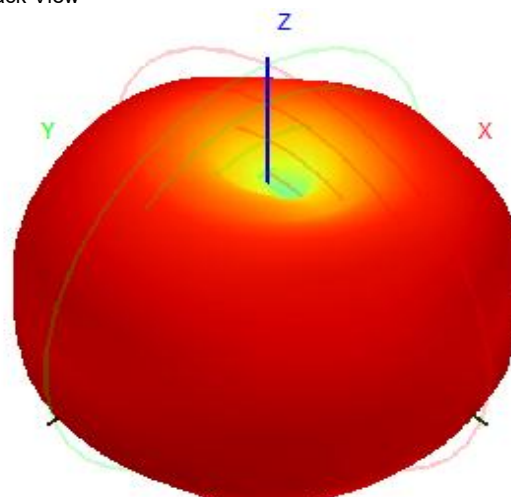
Back View



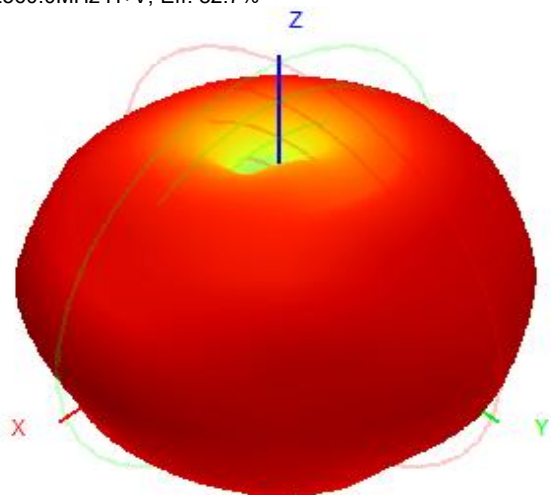
2550.0MHz H+V, Eff: 80.4%



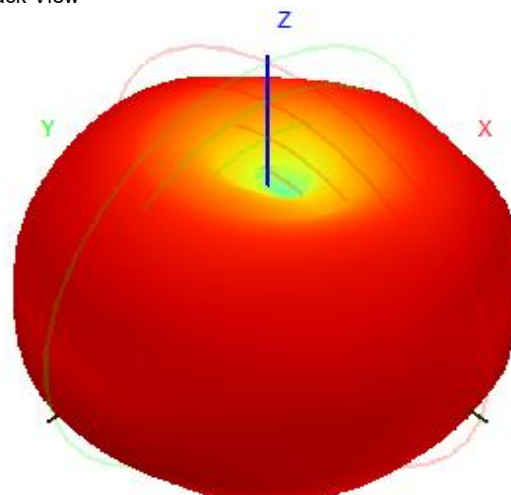
Back View



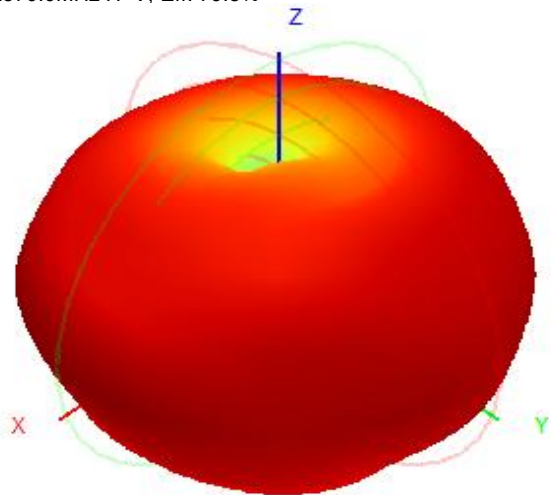
2560.0MHz H+V, Eff: 82.7%



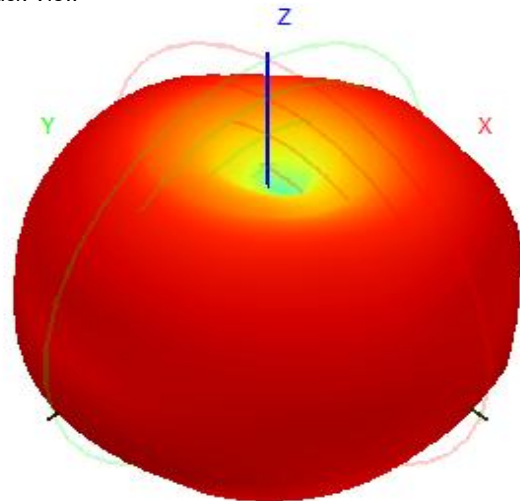
Back View



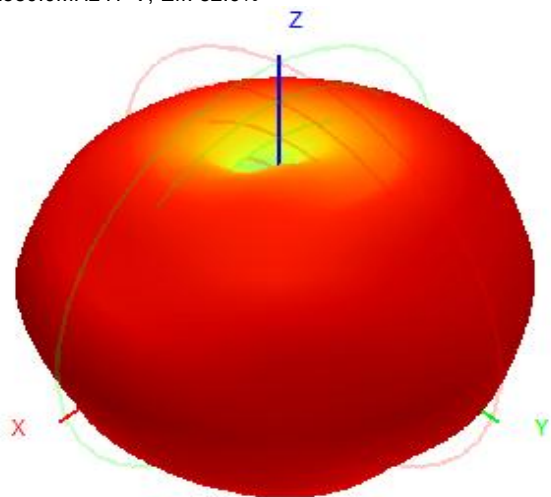
2570.0MHz H+V, Eff: 79.8%



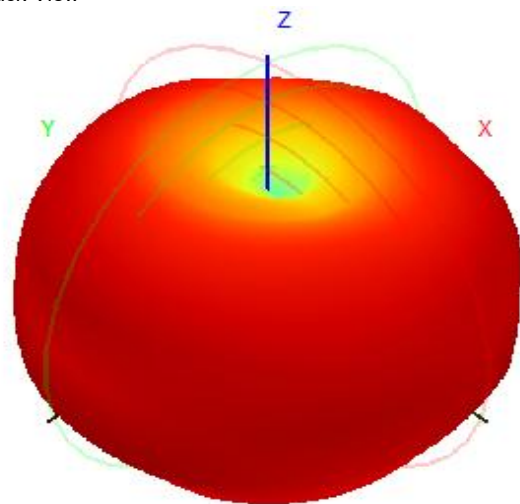
Back View



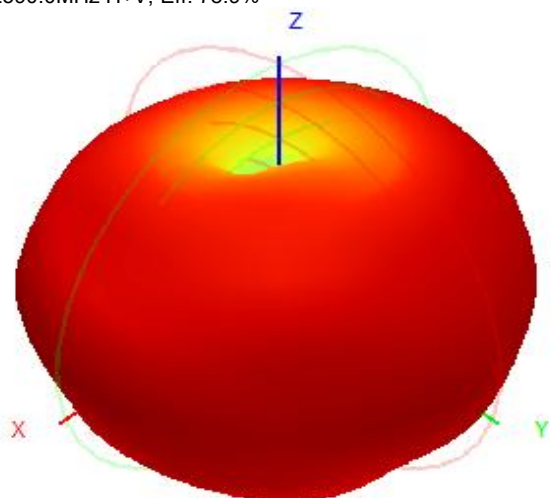
2580.0MHz H+V, Eff: 82.6%



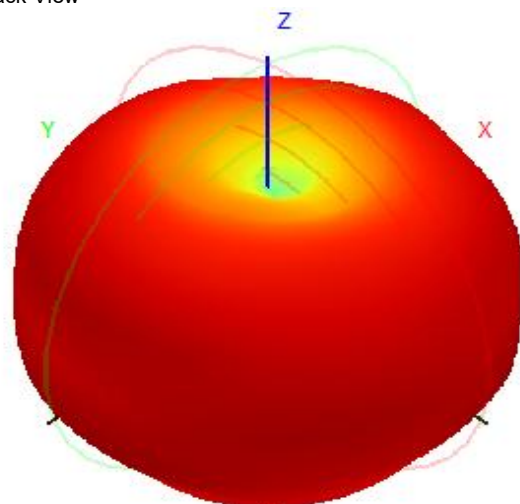
Back View



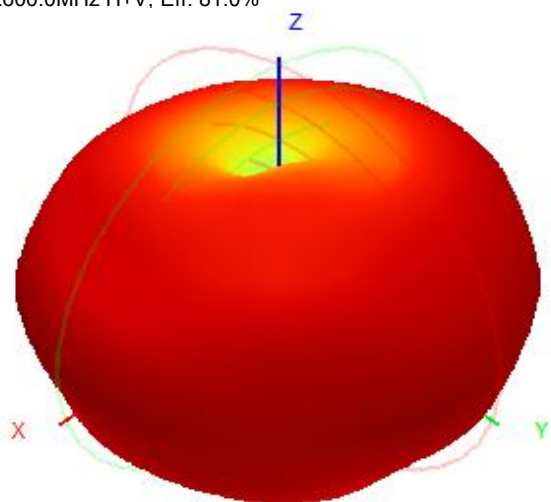
2590.0MHz H+V, Eff: 78.9%



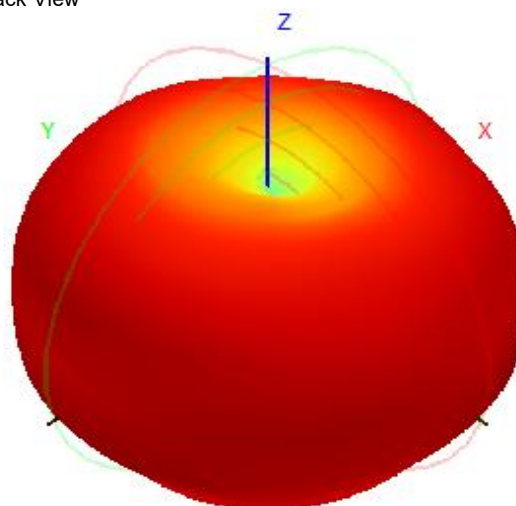
Back View

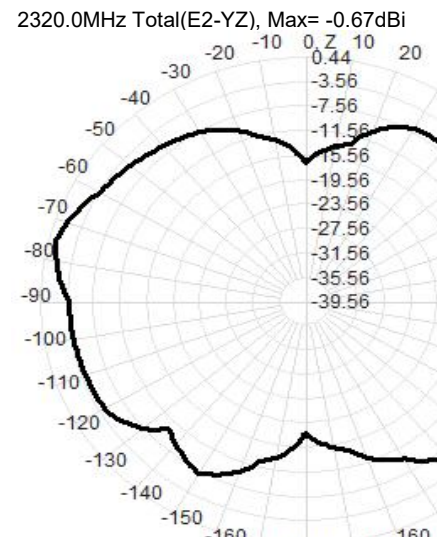
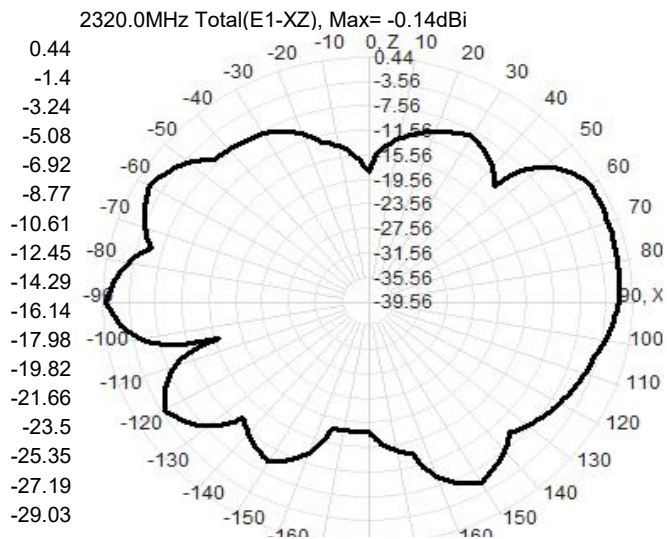
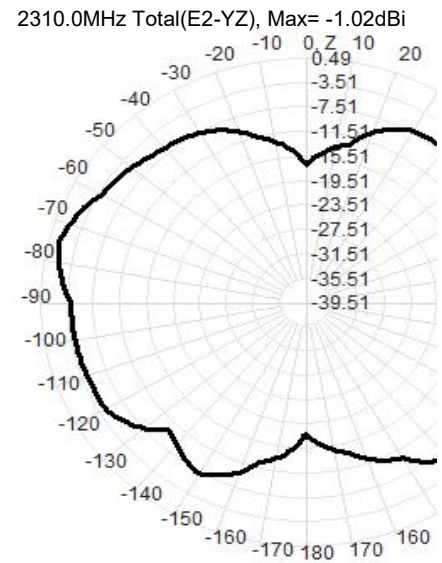
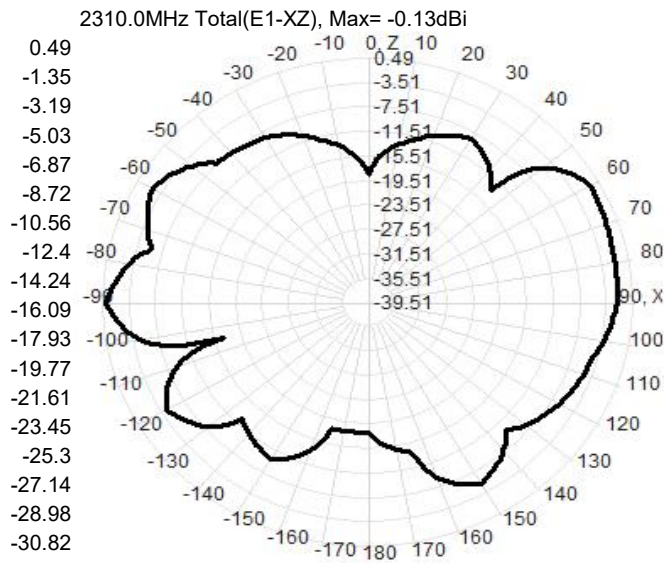
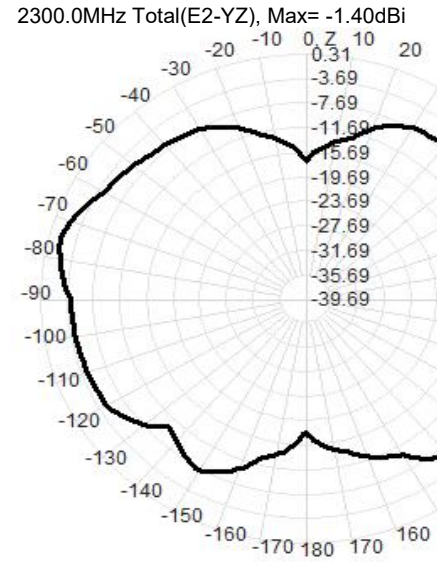
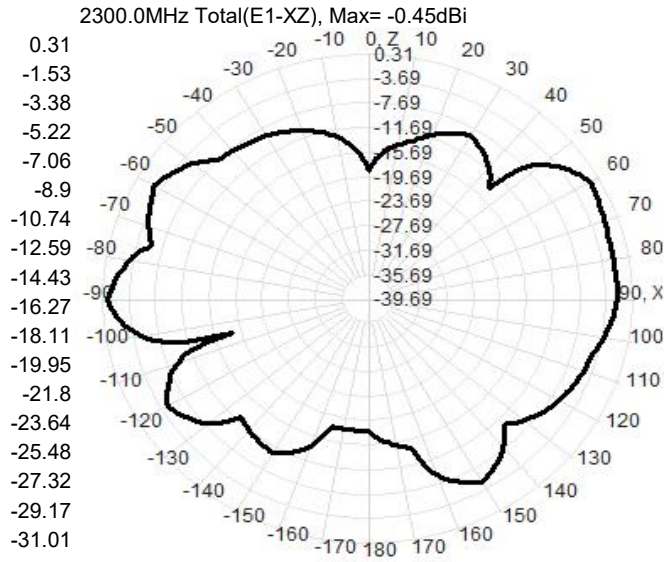


2600.0MHz H+V, Eff: 81.0%



Back View



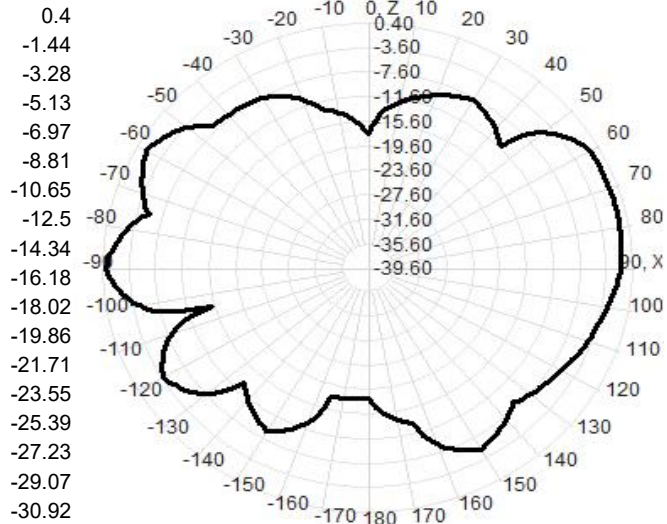




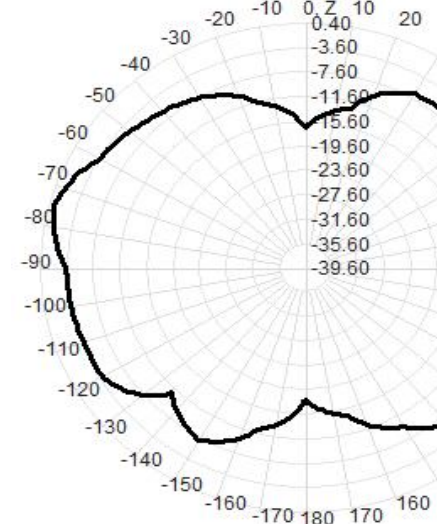
-30.87



2330.0MHz Total(E1-XZ), Max= -0.08dBi

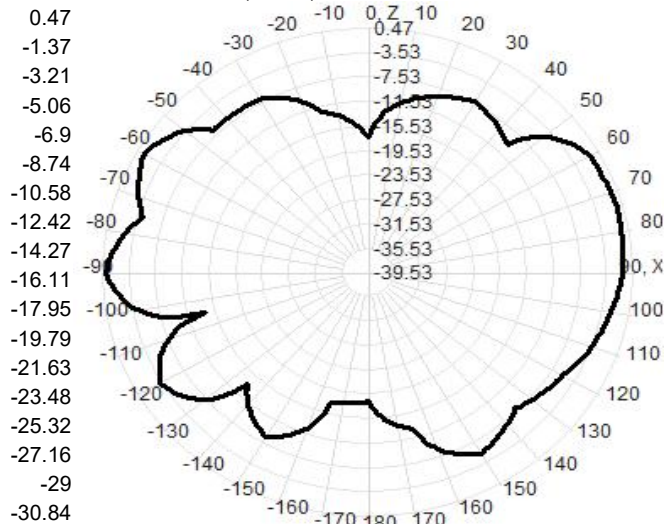


2330.0MHz Total(E2-YZ), Max= -0.26dBi

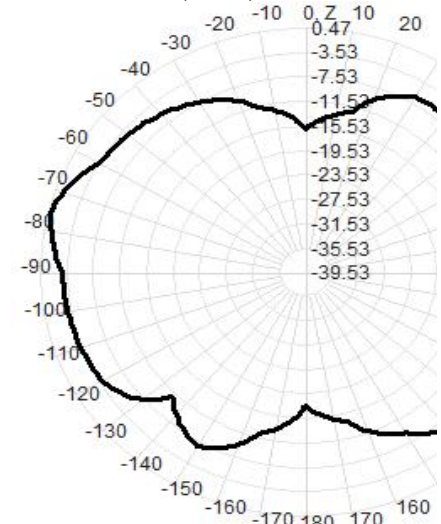


0.47
-1.37
-3.21
-5.06
-6.9
-8.74
-10.58
-12.42
-14.27
-16.11
-17.95
-19.79
-21.63
-23.48
-25.32
-27.16
-29
-30.84

2340.0MHz Total(E1-XZ), Max= -0.04dBi

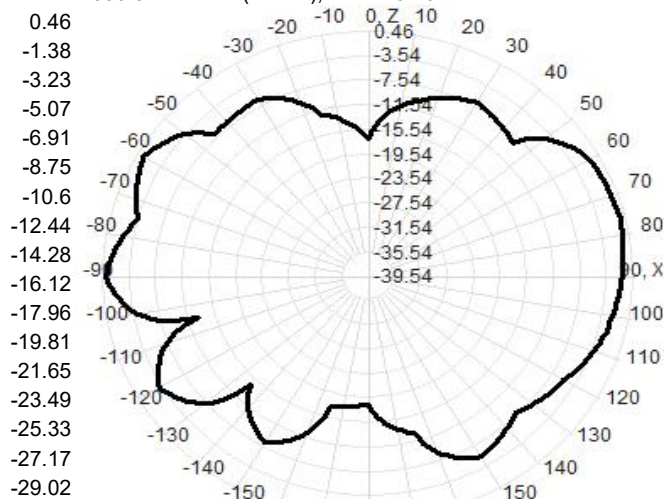


2340.0MHz Total(E2-YZ), Max= 0.11dBi

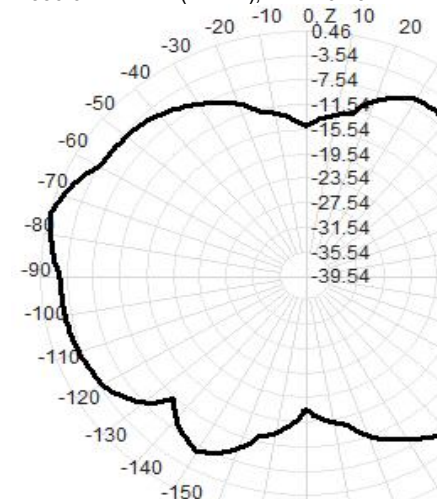


0.46
-1.38
-3.23
-5.07
-6.91
-8.75
-10.6
-12.44
-14.28
-16.12
-17.96
-19.81
-21.65
-23.49
-25.33
-27.17
-29.02

2350.0MHz Total(E1-XZ), Max= -0.10dBi



2350.0MHz Total(E2-YZ), Max= 0.13dBi



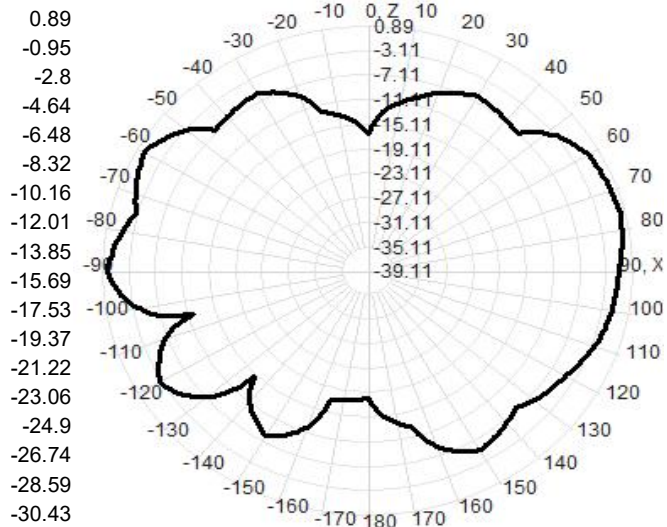


-30.86

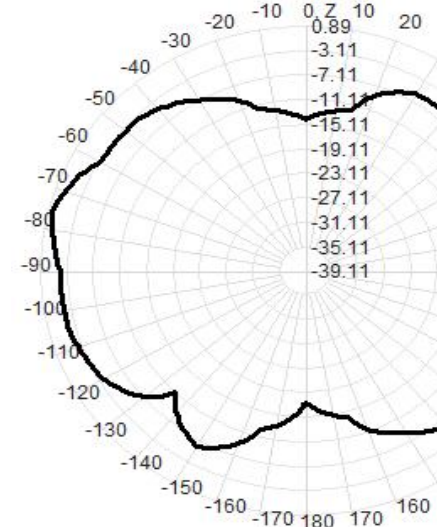
-160 -170 180 170 160

-160 -170 180 170 160

2360.0MHz Total(E1-XZ), Max= 0.17dBi

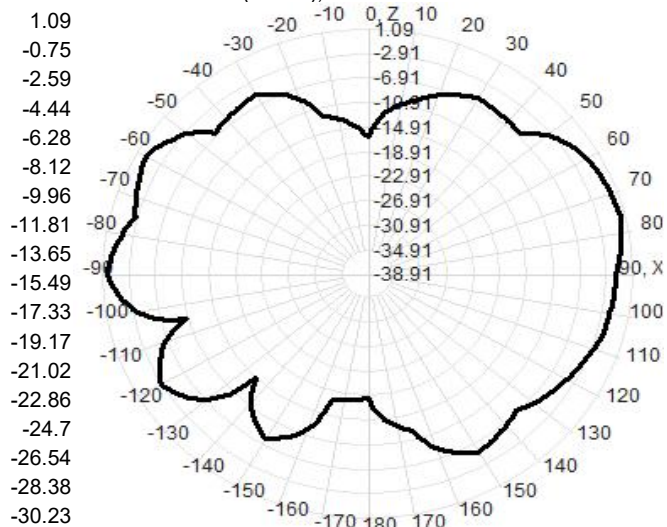


2360.0MHz Total(E2-YZ), Max= 0.23dBi

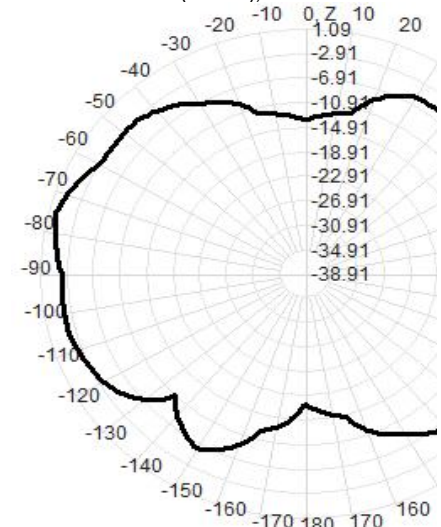


1.09
-0.75
-2.59
-4.44
-6.28
-8.12
-9.96
-11.81
-13.65
-15.49
-17.33
-19.17
-21.02
-22.86
-24.7
-26.54
-28.38
-30.23

2370.0MHz Total(E1-XZ), Max= 0.37dBi

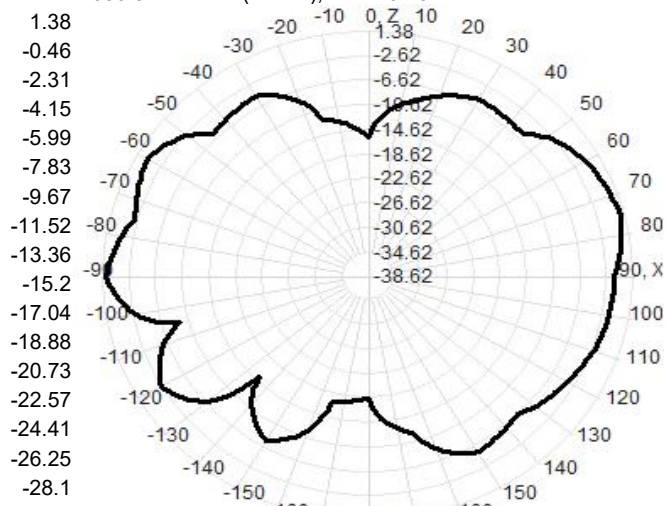


2370.0MHz Total(E2-YZ), Max= 0.15dBi

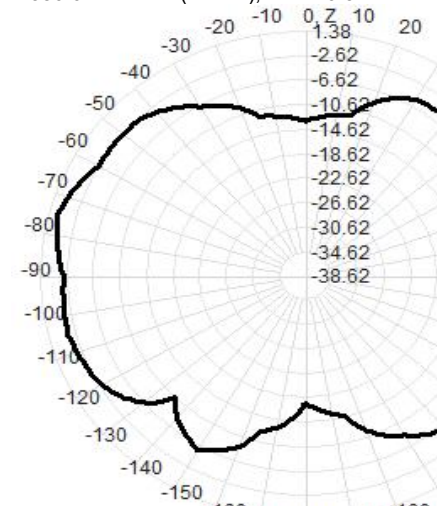


1.38
-0.46
-2.31
-4.15
-5.99
-7.83
-9.67
-11.52
-13.36
-15.2
-17.04
-18.88
-20.73
-22.57
-24.41
-26.25
-28.1

2380.0MHz Total(E1-XZ), Max= 0.78dBi



2380.0MHz Total(E2-YZ), Max= 0.34dBi



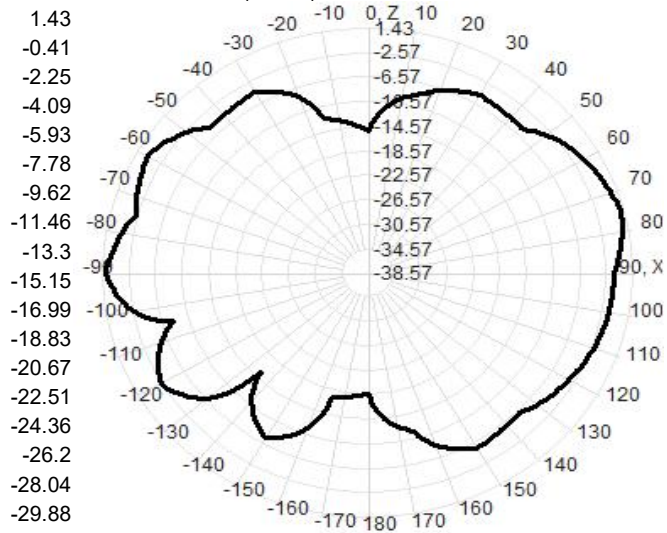


-29.94

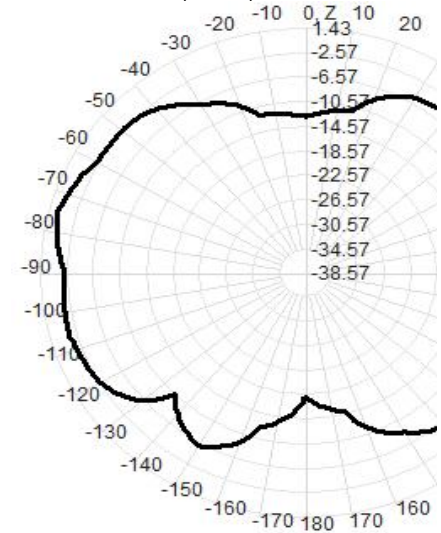
-160 -170 180 170 160

-160 -170 180 170 160

2390.0MHz Total(E1-XZ), Max= 0.93dBi

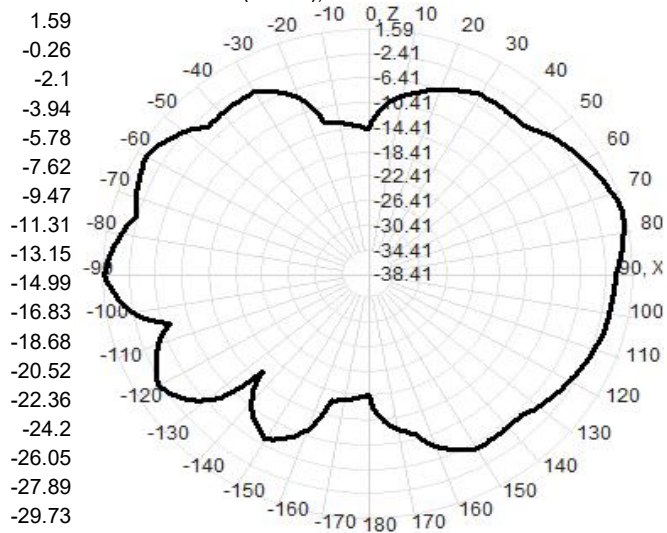


2390.0MHz Total(E2-YZ), Max= 0.35dBi

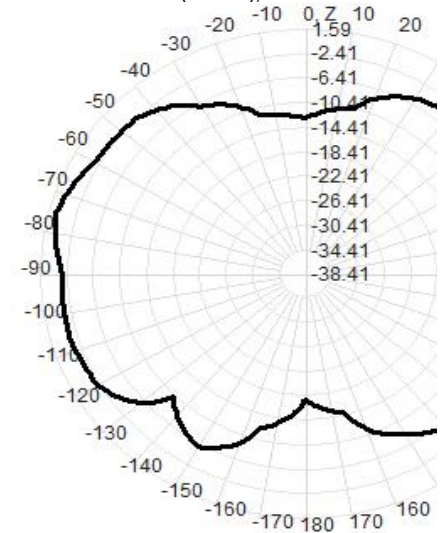


1.59
-0.26
-2.1
-3.94
-5.78
-7.62
-9.47
-11.31
-13.15
-14.99
-16.83
-18.68
-20.52
-22.36
-24.2
-26.05
-27.89
-29.73

2400.0MHz Total(E1-XZ), Max= 1.20dBi

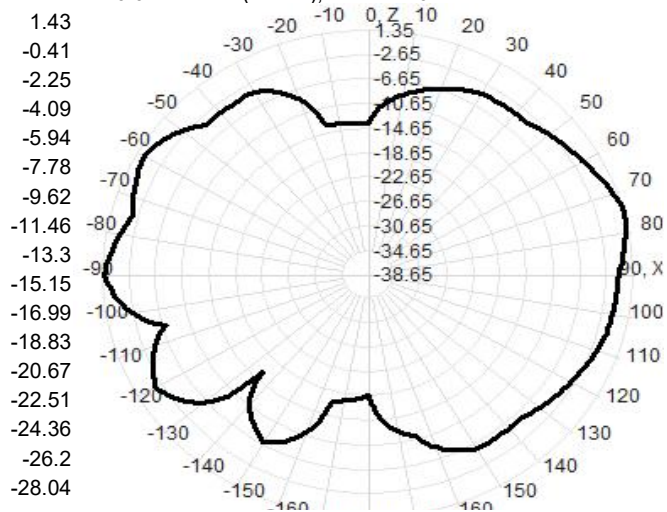


2400.0MHz Total(E2-YZ), Max= 0.72dBi

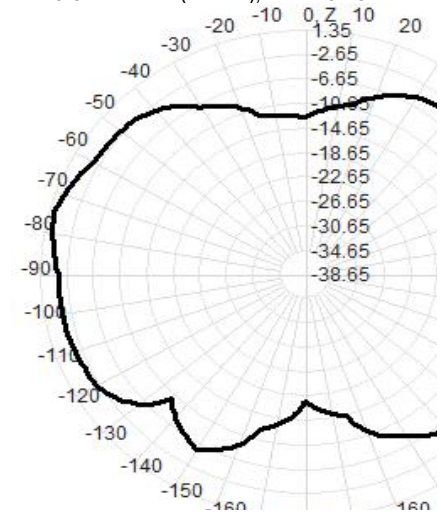


1.43
-0.41
-2.25
-4.09
-5.94
-7.78
-9.62
-11.46
-13.3
-15.15
-16.99
-18.83
-20.67
-22.51
-24.36
-26.2
-28.04

2410.0MHz Total(E1-XZ), Max= 1.16dBi



2410.0MHz Total(E2-YZ), Max= 0.78dBi



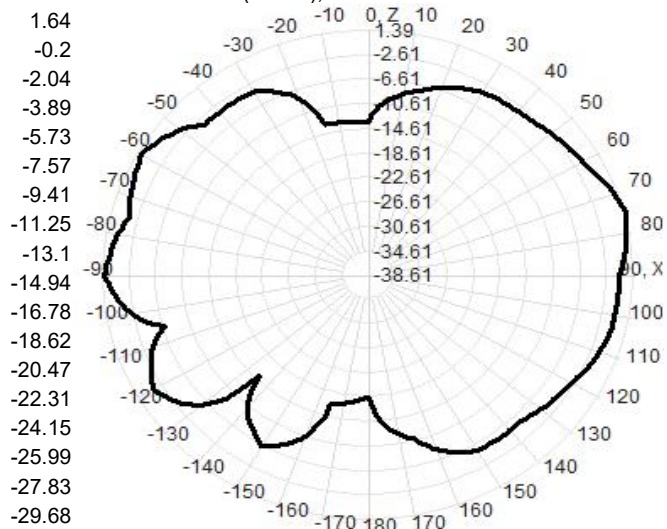


-29.88

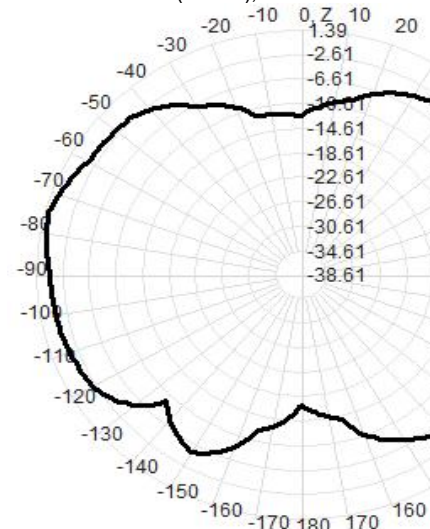
-160 -170 180 170 160

-160 -170 180 170 160

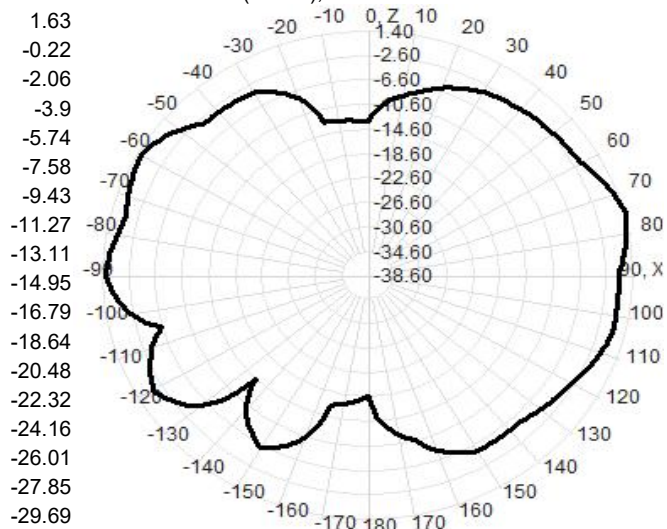
2420.0MHz Total(E1-XZ), Max= 1.38dBi



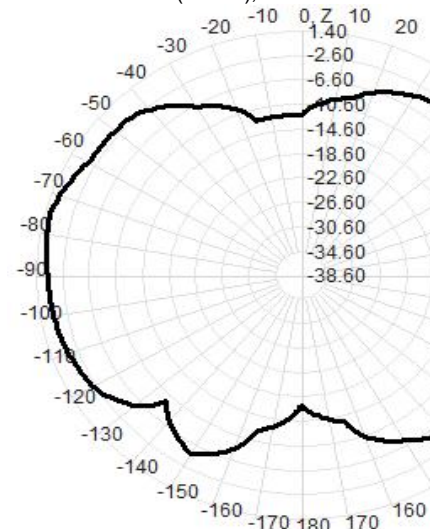
2420.0MHz Total(E2-YZ), Max= 0.90dBi



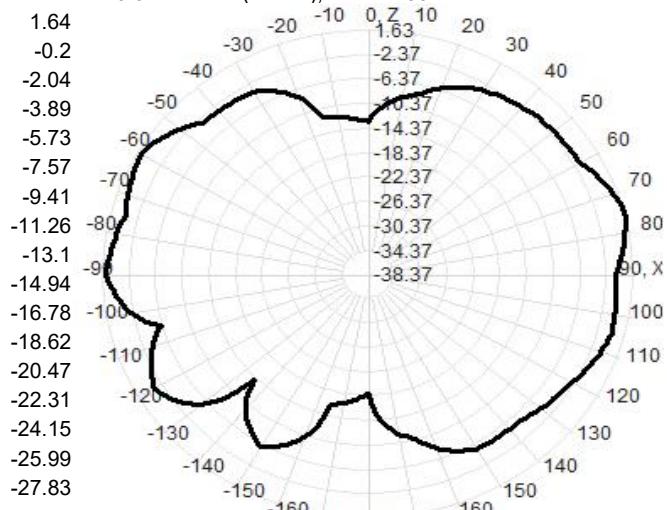
2430.0MHz Total(E1-XZ), Max= 1.40dBi



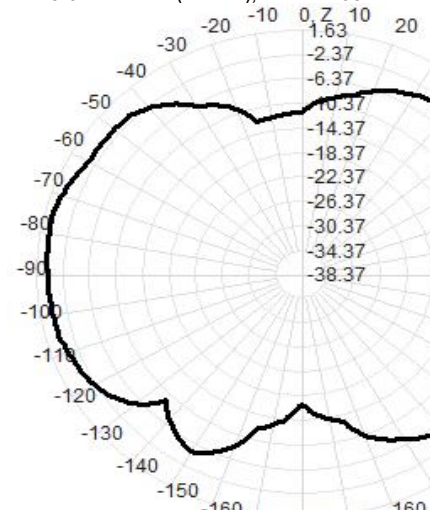
2430.0MHz Total(E2-YZ), Max= 0.77dBi



2440.0MHz Total(E1-XZ), Max= 1.53dBi



2440.0MHz Total(E2-YZ), Max= 1.08dBi



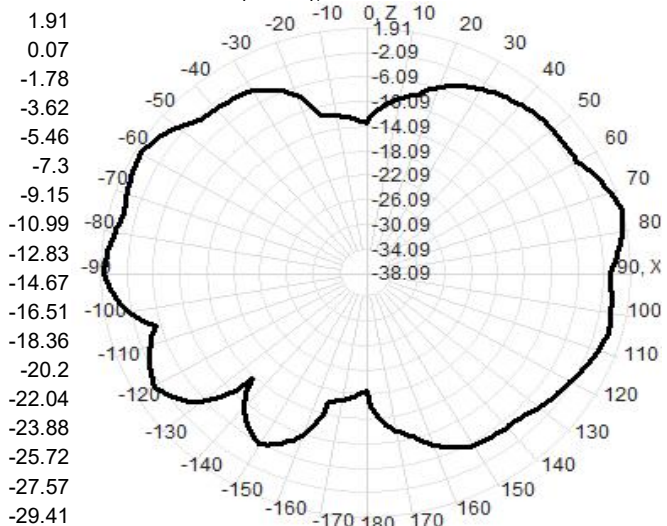


-29.68

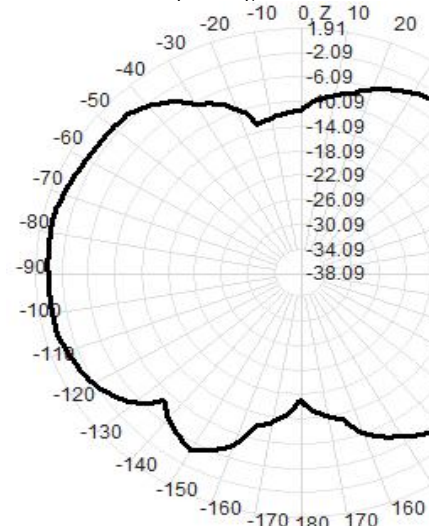
-160 -170 180 170 160

-160 -170 180 170 160

2450.0MHz Total(E1-XZ), Max= 1.72dBi

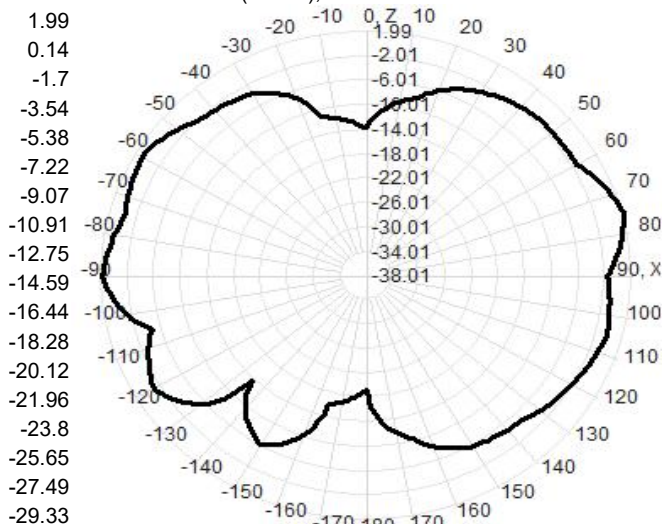


2450.0MHz Total(E2-YZ), Max= 1.32dBi

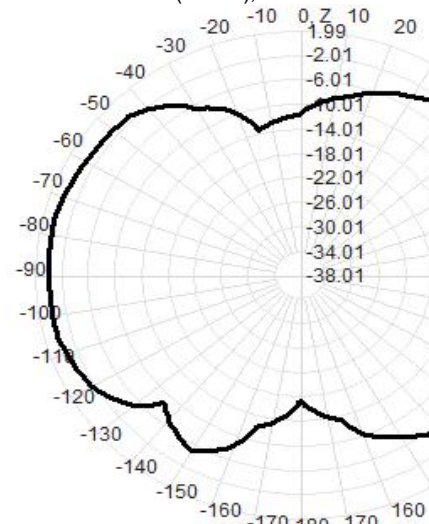


1.99
0.14
-1.7
-3.54
-5.38
-7.22
-9.07
-10.91
-12.75
-14.59
-16.44
-18.28
-20.12
-21.96
-23.8
-25.65
-27.49
-29.33

2460.0MHz Total(E1-XZ), Max= 1.97dBi

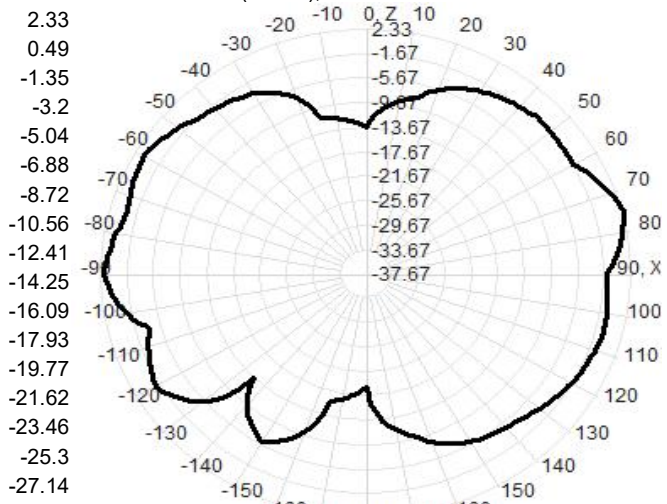


2460.0MHz Total(E2-YZ), Max= 1.32dBi

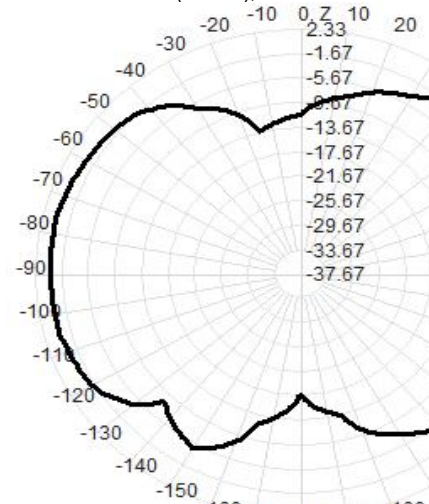


2.33
0.49
-1.35
-3.2
-5.04
-6.88
-8.72
-10.56
-12.41
-14.25
-16.09
-17.93
-19.77
-21.62
-23.46
-25.3
-27.14

2470.0MHz Total(E1-XZ), Max= 2.33dBi



2470.0MHz Total(E2-YZ), Max= 1.27dBi



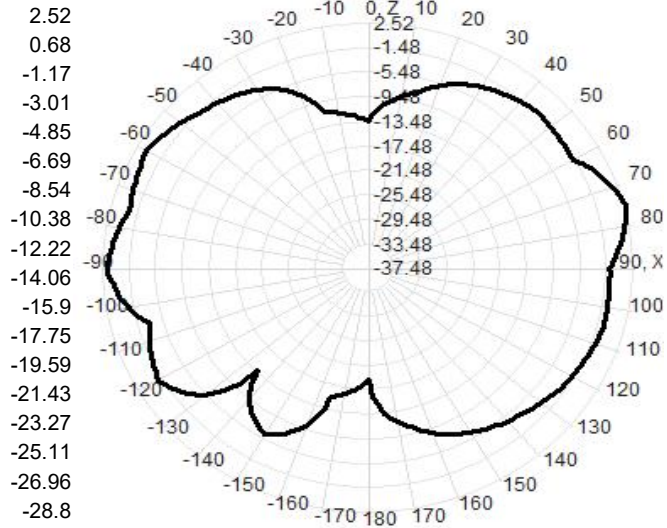


-28.98

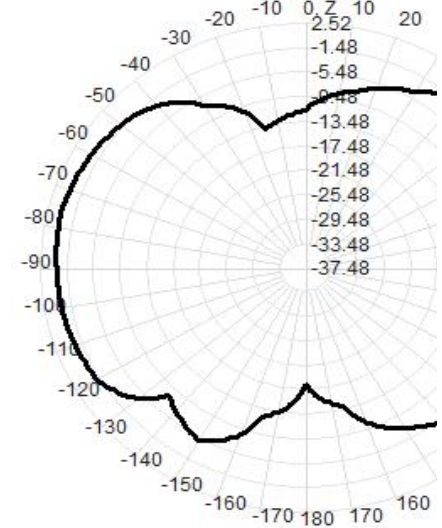
-160 -170 180 170 160

-160 -170 180 170 160

2480.0MHz Total(E1-XZ), Max= 2.52dBi



2480.0MHz Total(E2-YZ), Max= 0.98dBi

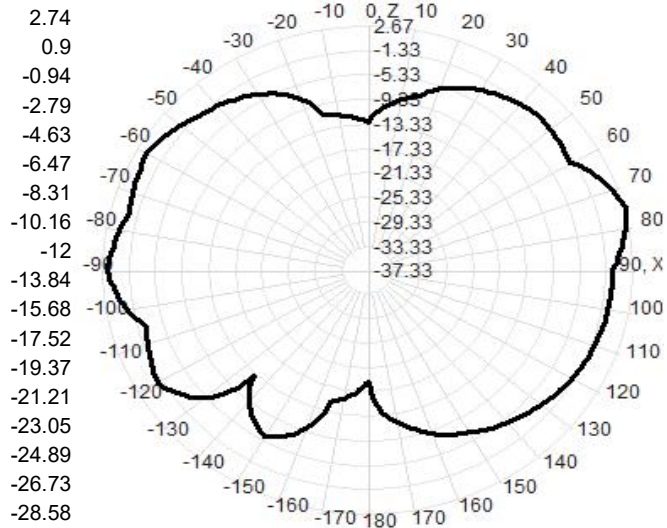


-28.58

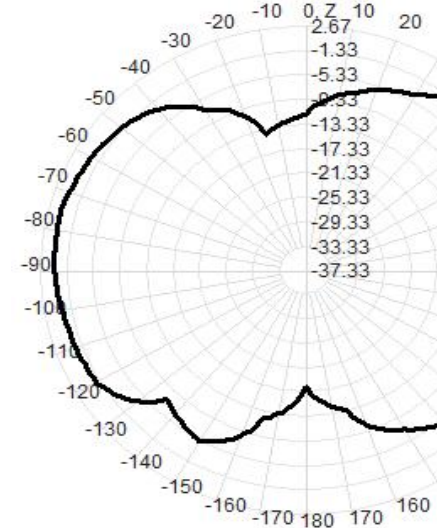
-160 -170 180 170 160

-160 -170 180 170 160

2490.0MHz Total(E1-XZ), Max= 2.67dBi



2490.0MHz Total(E2-YZ), Max= 0.85dBi

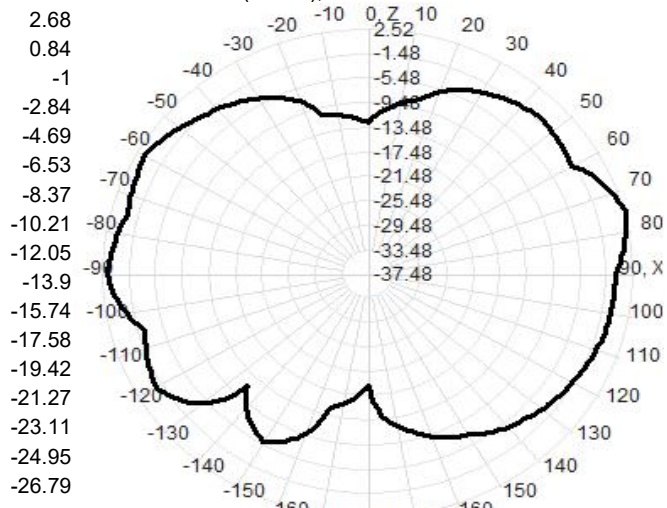


-26.79

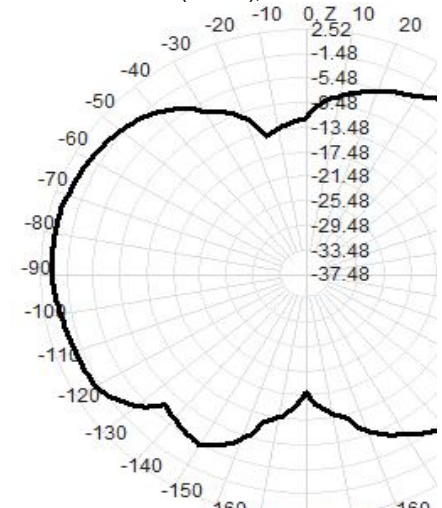
-160 -170 180 170 160

-160 -170 180 170 160

2500.0MHz Total(E1-XZ), Max= 2.52dBi



2500.0MHz Total(E2-YZ), Max= 0.85dBi



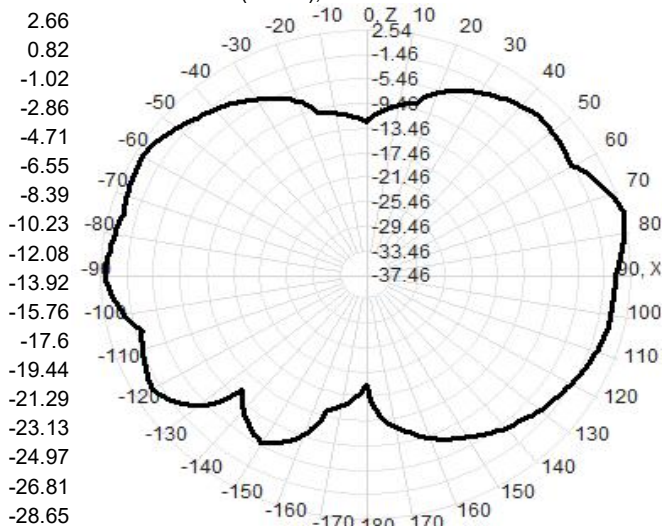


-28.63

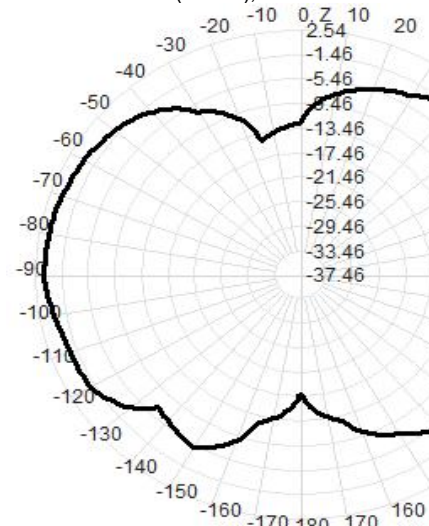
-160 -170 180 170 160

-160 -170 180 170 160

2510.0MHz Total(E1-XZ), Max= 2.54dBi

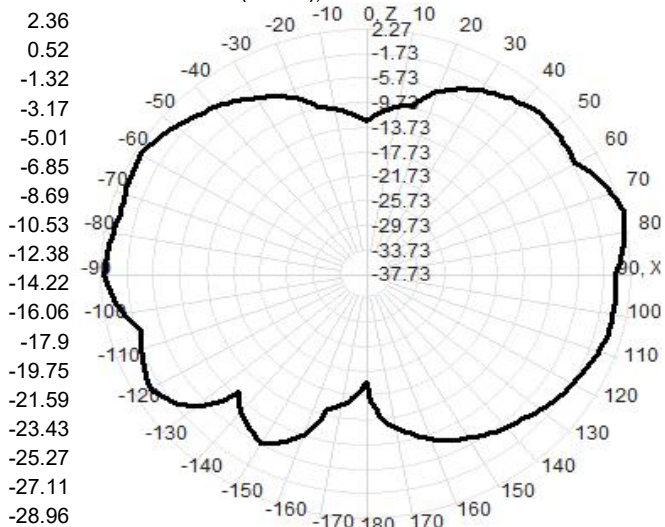


2510.0MHz Total(E2-YZ), Max= 1.20dBi

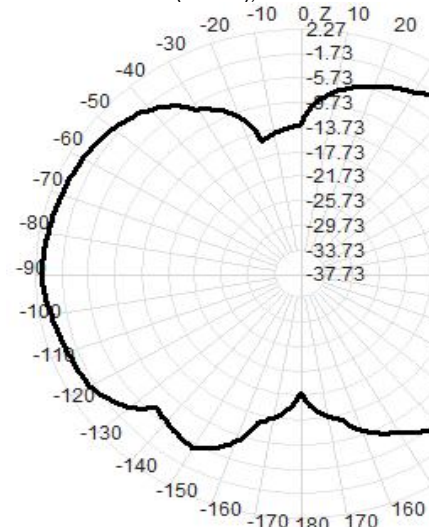


2.36
0.52
-1.32
-3.17
-5.01
-6.85
-8.69
-10.53
-12.38
-14.22
-16.06
-17.9
-19.75
-21.59
-23.43
-25.27
-27.11
-28.96

2520.0MHz Total(E1-XZ), Max= 2.27dBi

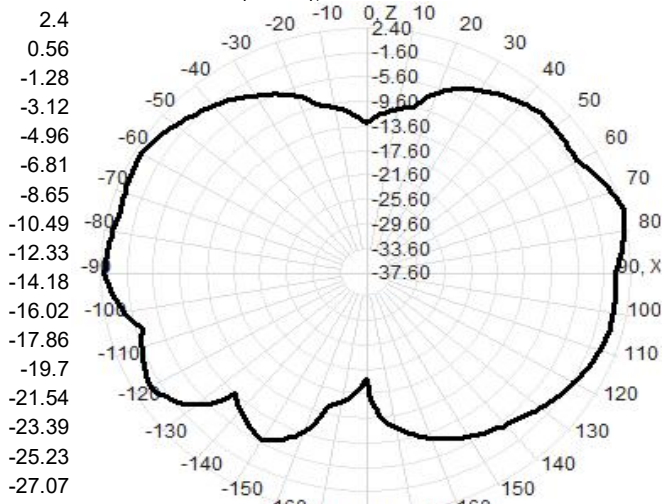


2520.0MHz Total(E2-YZ), Max= 1.31dBi

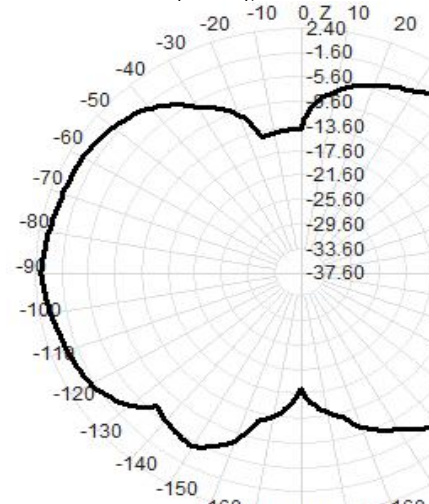


2.4
0.56
-1.28
-3.12
-4.96
-6.81
-8.65
-10.49
-12.33
-14.18
-16.02
-17.86
-19.7
-21.54
-23.39
-25.23
-27.07

2530.0MHz Total(E1-XZ), Max= 2.40dBi



2530.0MHz Total(E2-YZ), Max= 1.46dBi

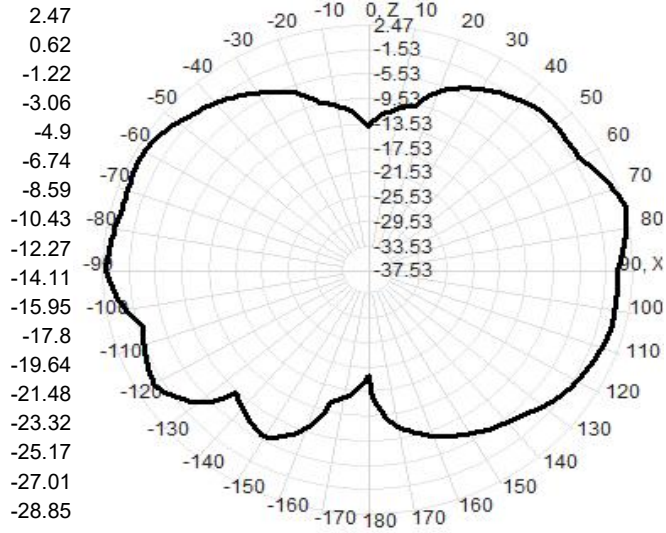




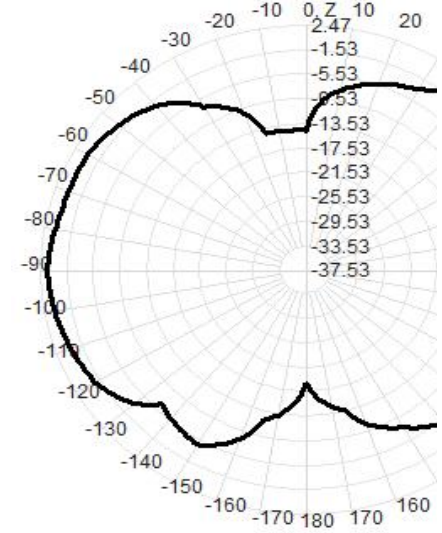
-28.91



2540.0MHz Total(E1-XZ), Max= 2.47dBi

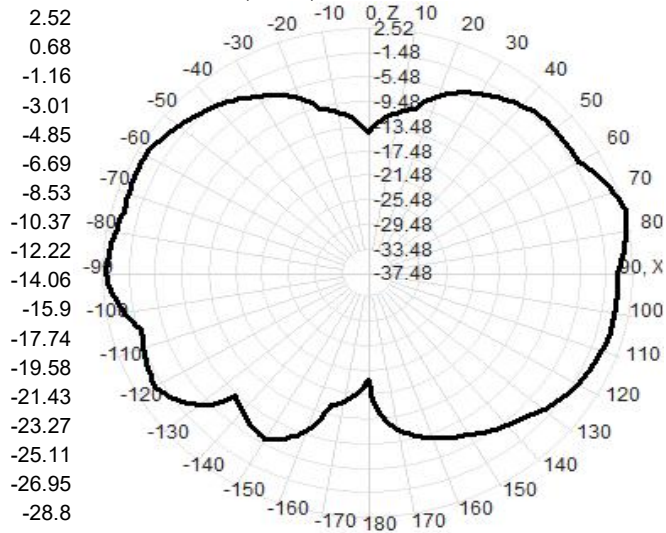


2540.0MHz Total(E2-YZ), Max= 1.44dBi

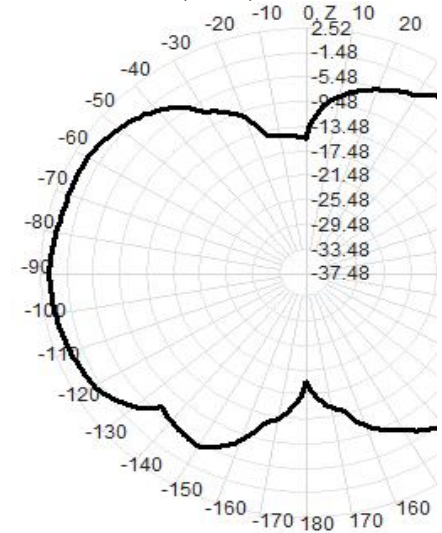


-28.8

2550.0MHz Total(E1-XZ), Max= 2.52dBi

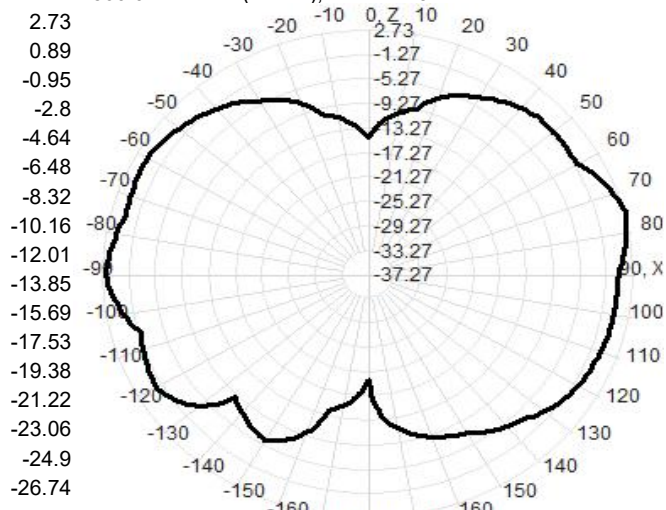


2550.0MHz Total(E2-YZ), Max= 1.40dBi

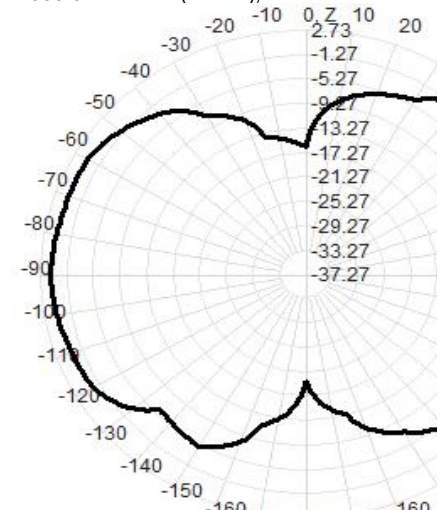


-26.74

2560.0MHz Total(E1-XZ), Max= 2.73dBi



2560.0MHz Total(E2-YZ), Max= 1.44dBi

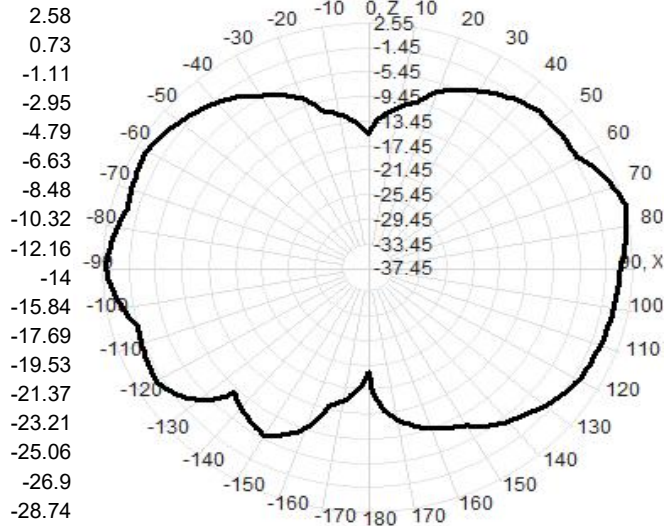




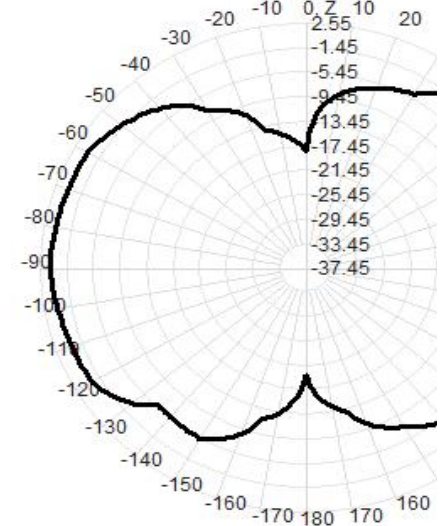
-28.59



2570.0MHz Total(E1-XZ), Max= 2.55dBi

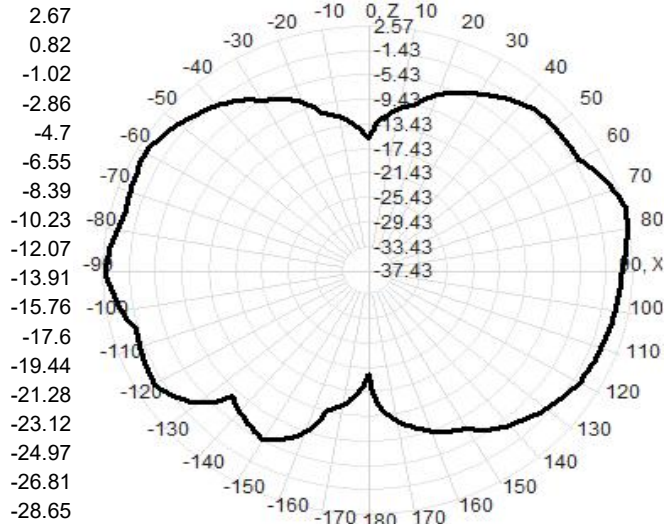


2570.0MHz Total(E2-YZ), Max= 1.22dBi

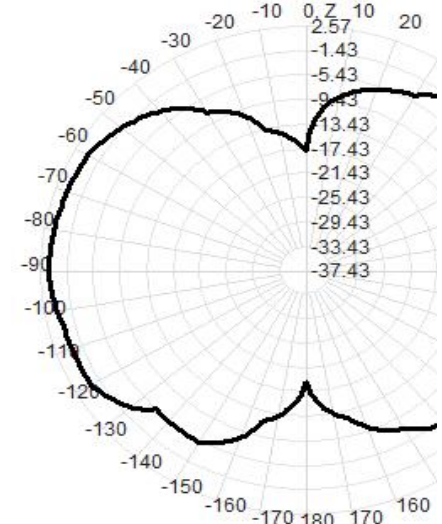


2.67
0.82
-1.02
-2.86
-4.7
-6.55
-8.39
-10.23
-12.07
-13.91
-15.76
-17.6
-19.44
-21.28
-23.12
-24.97
-26.81
-28.65

2580.0MHz Total(E1-XZ), Max= 2.57dBi

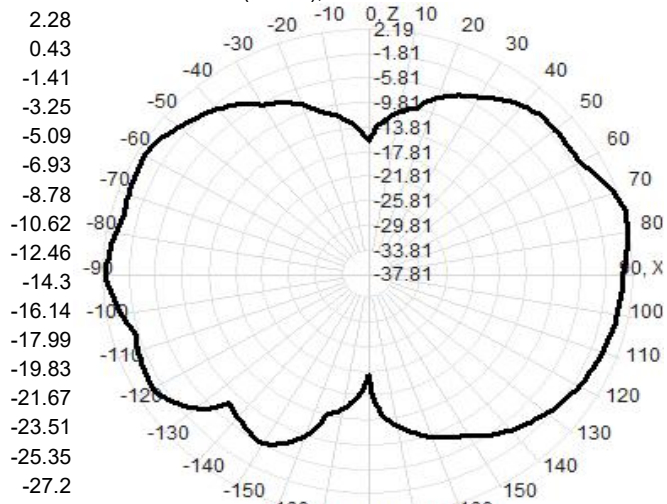


2580.0MHz Total(E2-YZ), Max= 1.50dBi

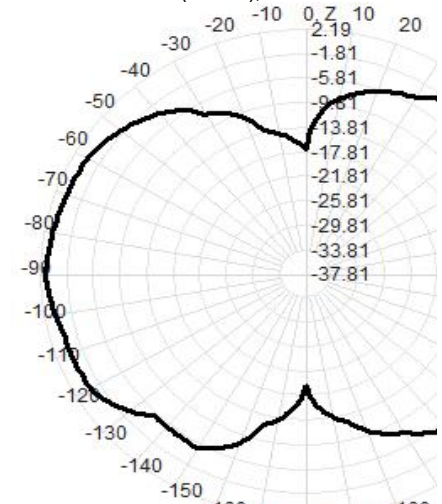


2.28
0.43
-1.41
-3.25
-5.09
-6.93
-8.78
-10.62
-12.46
-14.3
-16.14
-17.99
-19.83
-21.67
-23.51
-25.35
-27.2

2590.0MHz Total(E1-XZ), Max= 2.19dBi

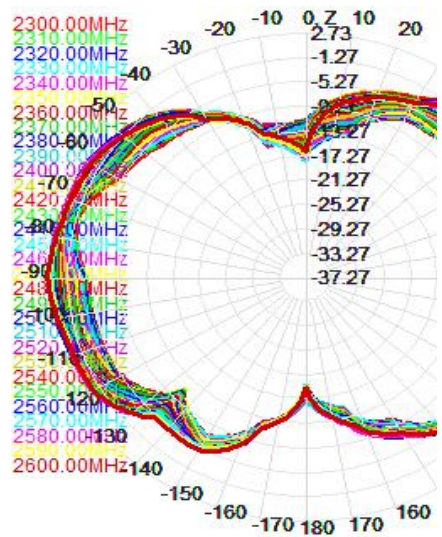
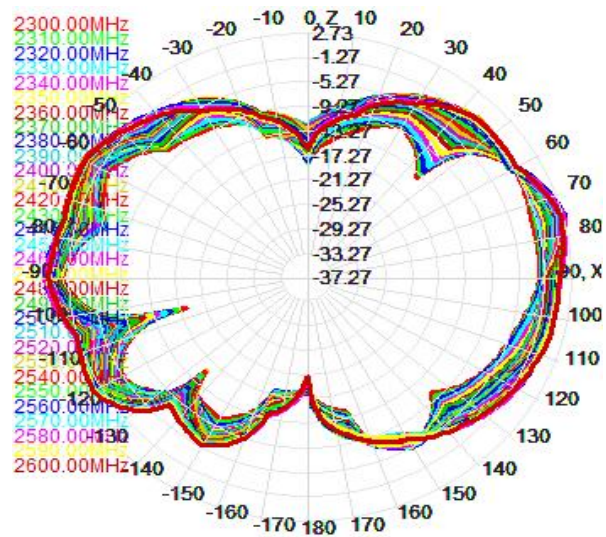
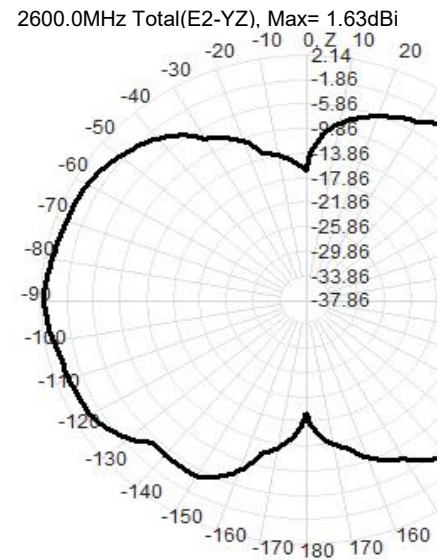
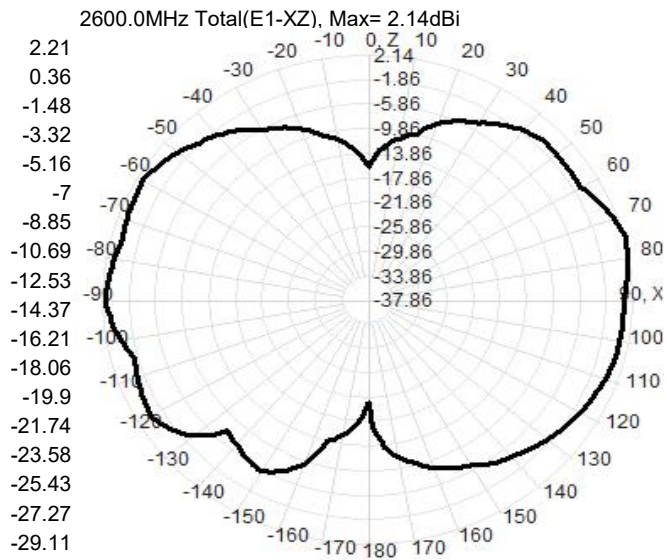


2590.0MHz Total(E2-YZ), Max= 1.38dBi

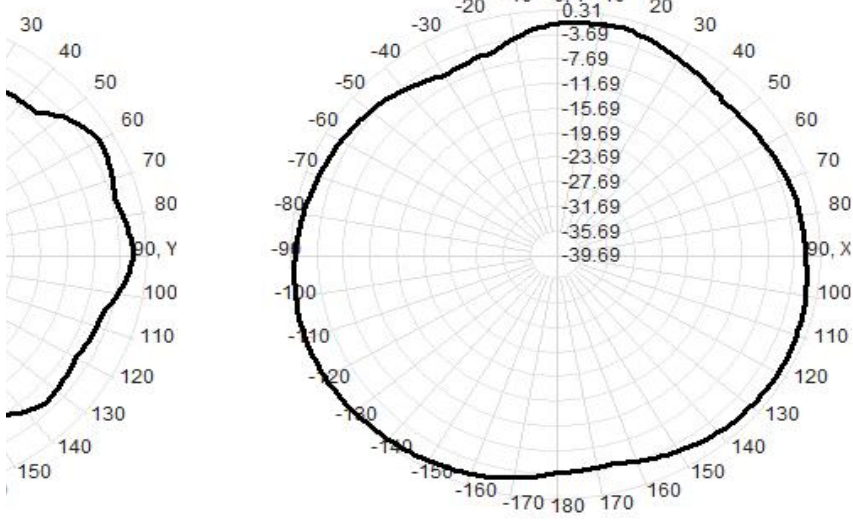




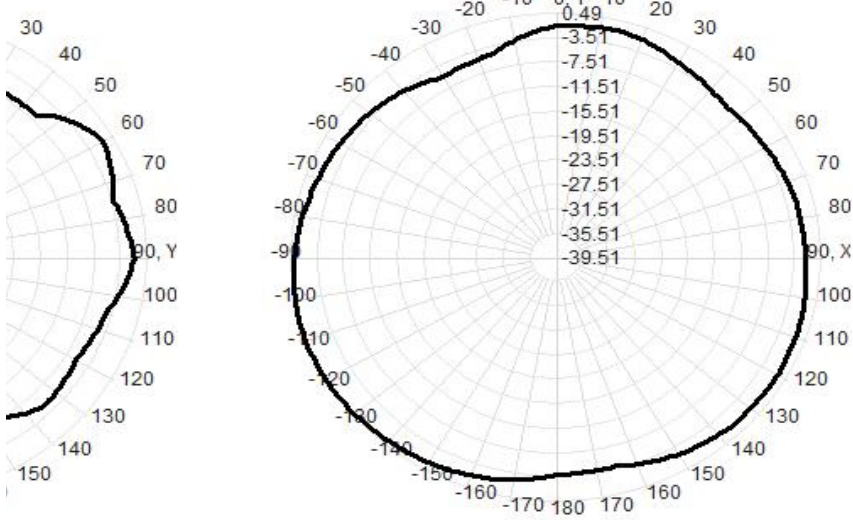
-29.04



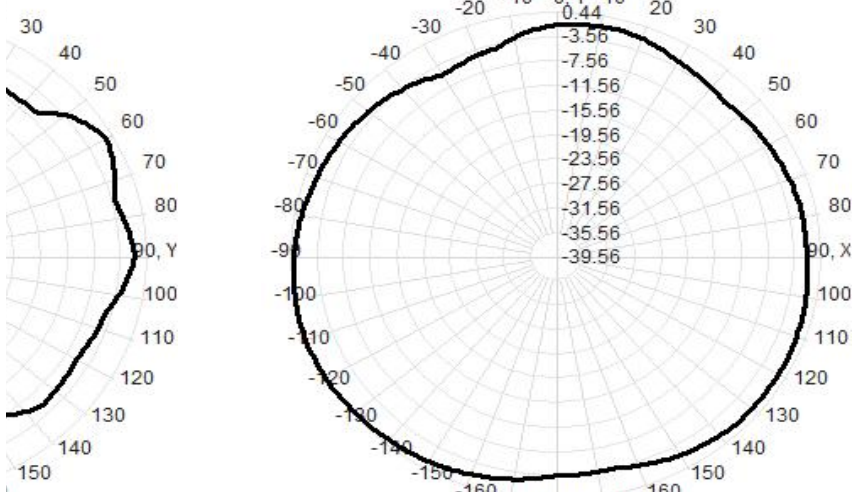
Total(H-XY), Max= 0.31dBi, CirD=6.27

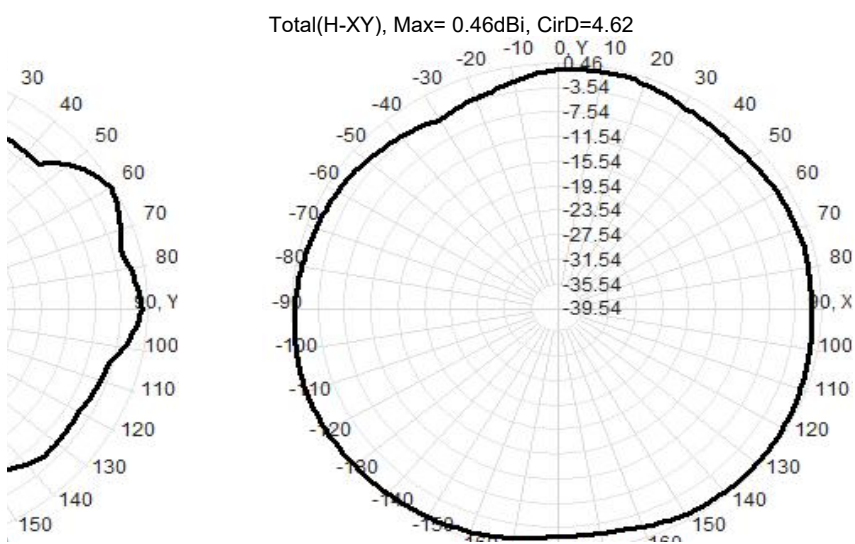
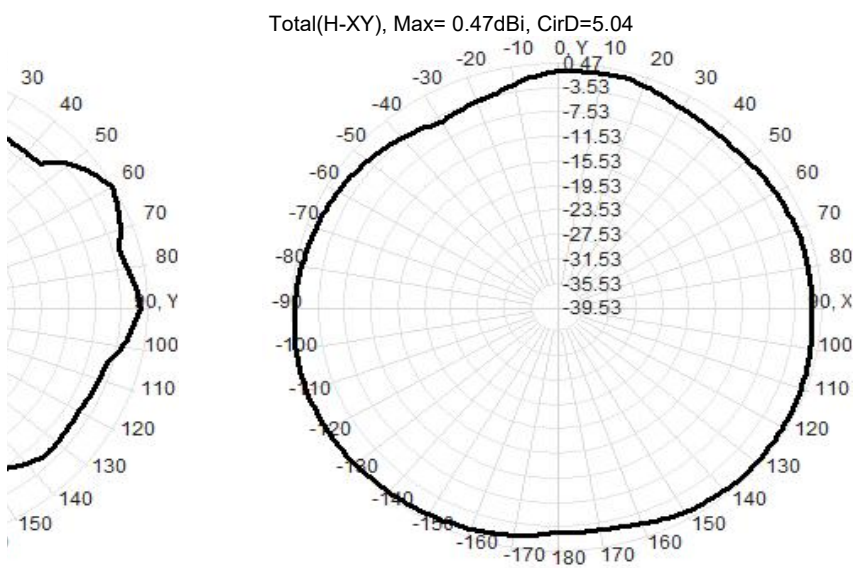
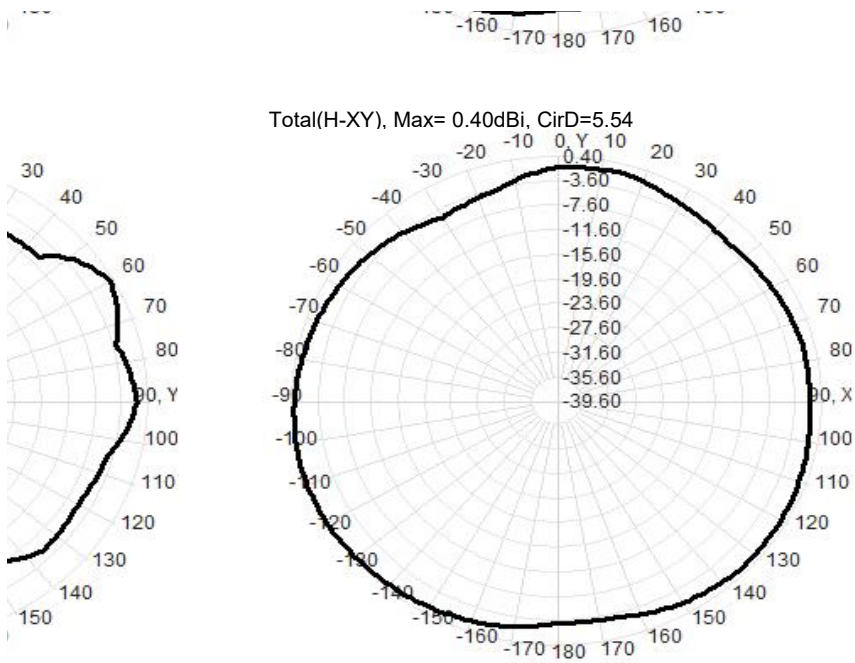


Total(H-XY), Max= 0.49dBi, CirD=6.01



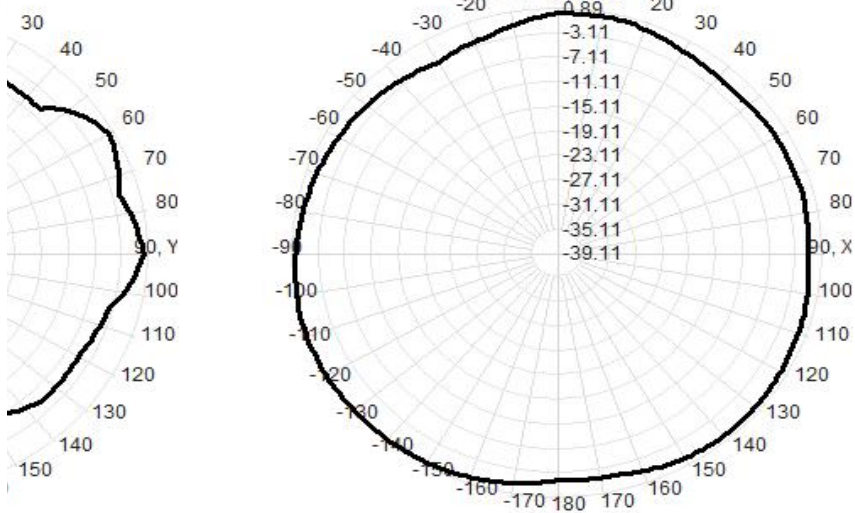
Total(H-XY), Max= 0.44dBi, CirD=5.78



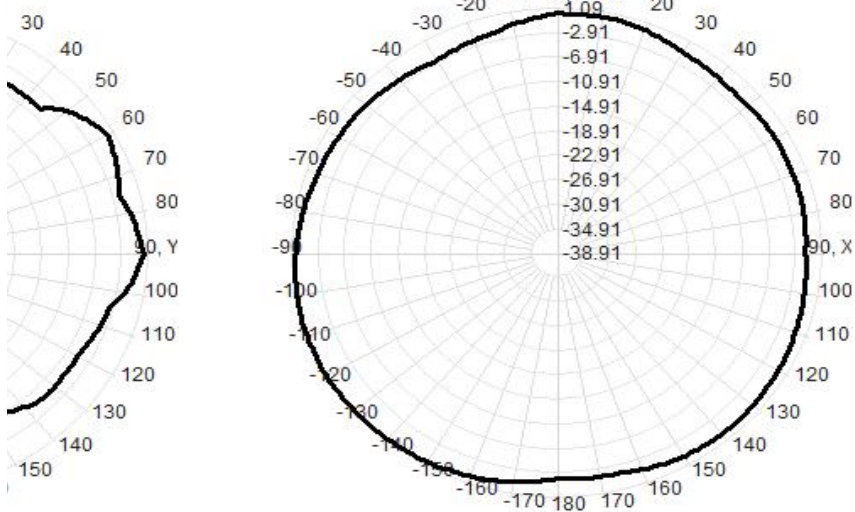




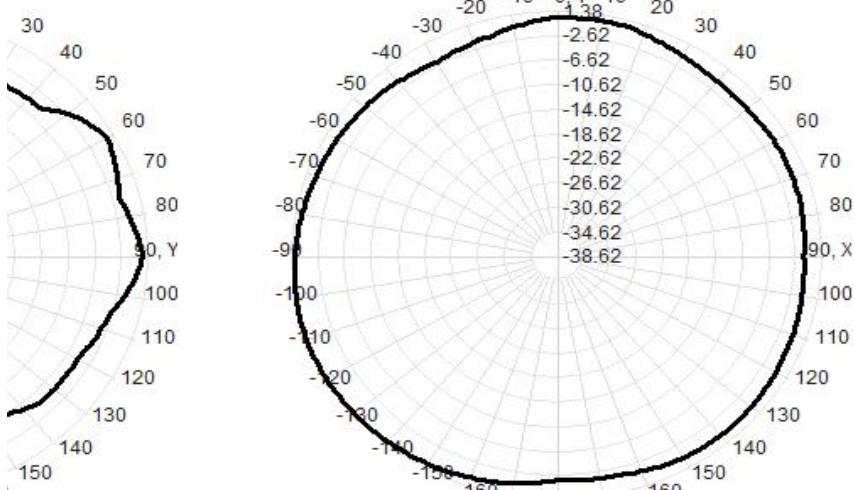
Total(H-XY), Max= 0.89dBi, CirD=4.20



Total(H-XY), Max= 1.09dBi, CirD=3.81

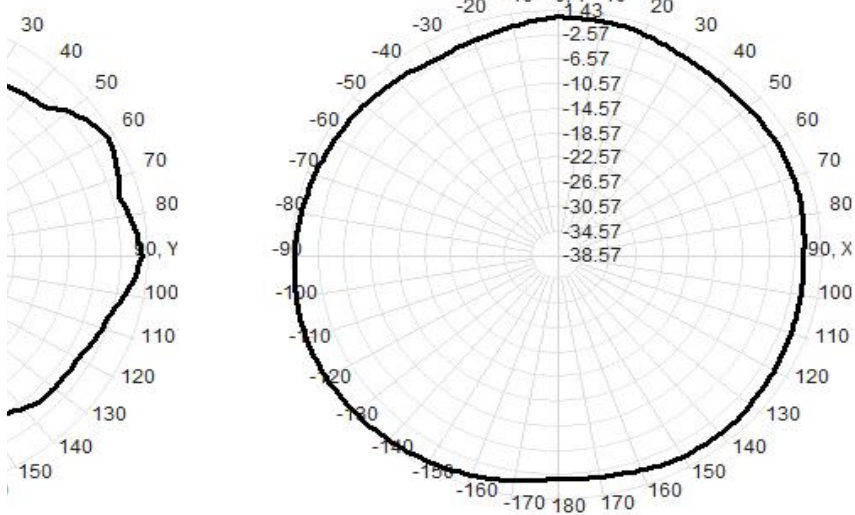


Total(H-XY), Max= 1.38dBi, CirD=3.57

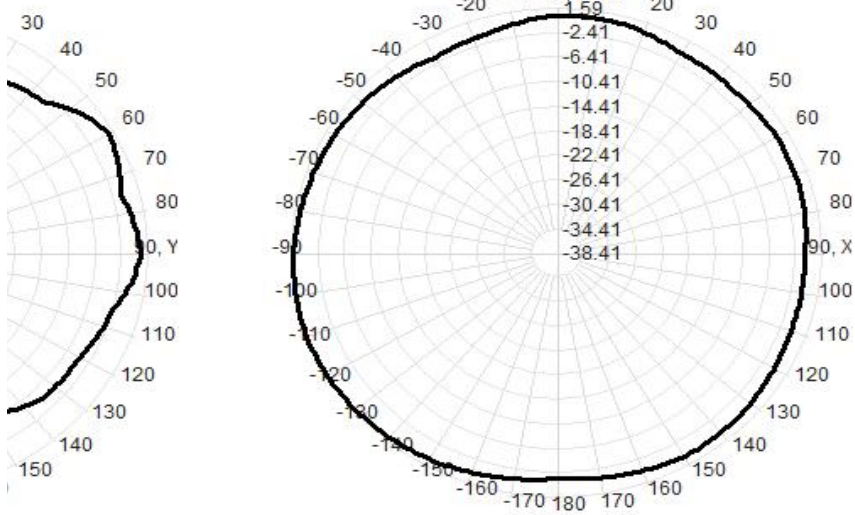




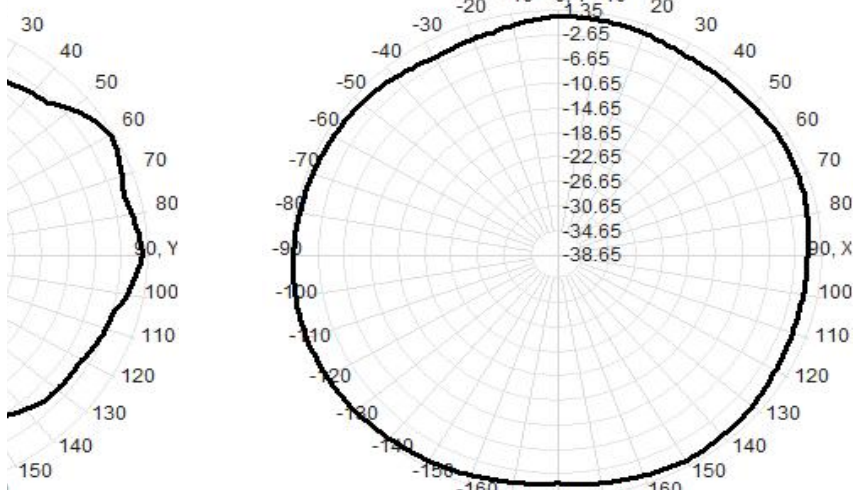
Total(H-XY), Max= 1.43dBi, CirD=3.69

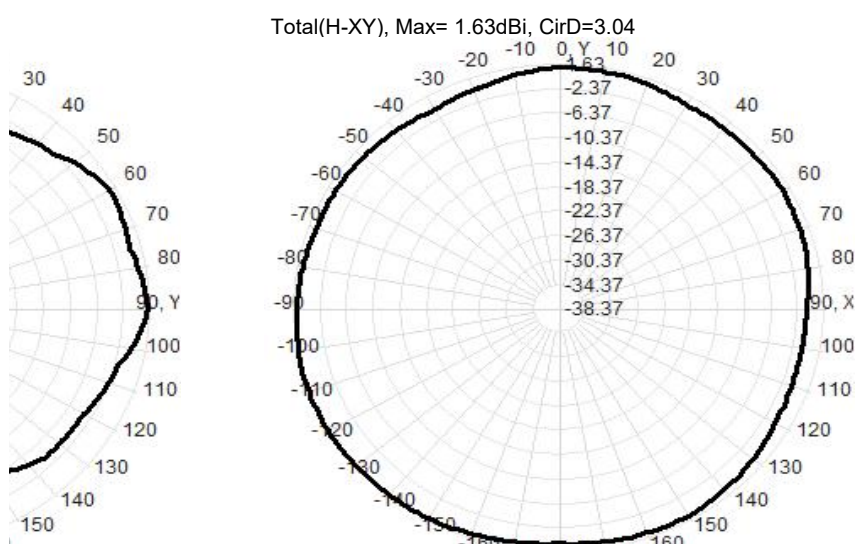
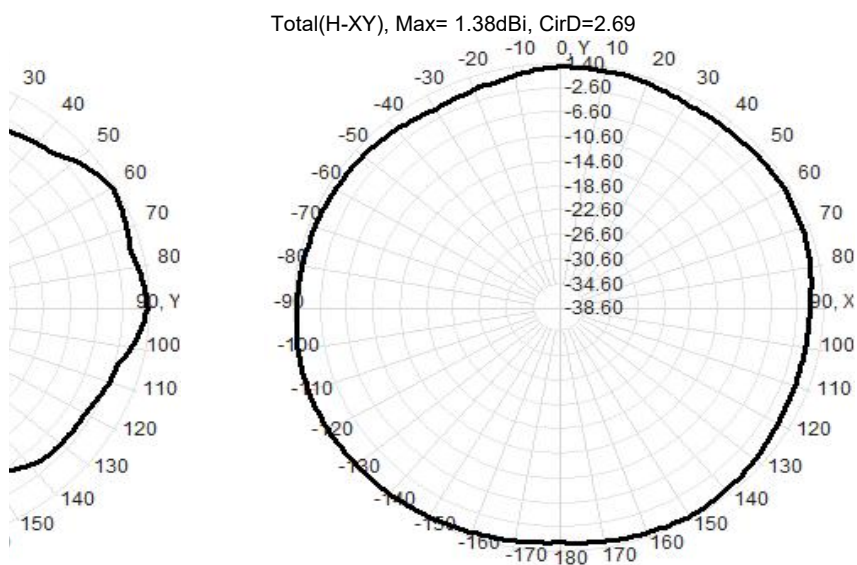
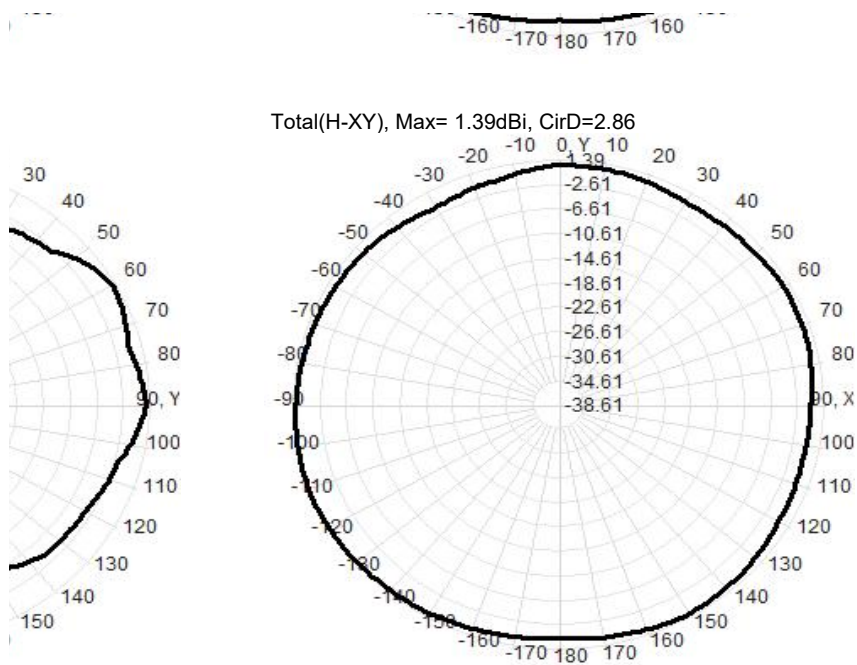


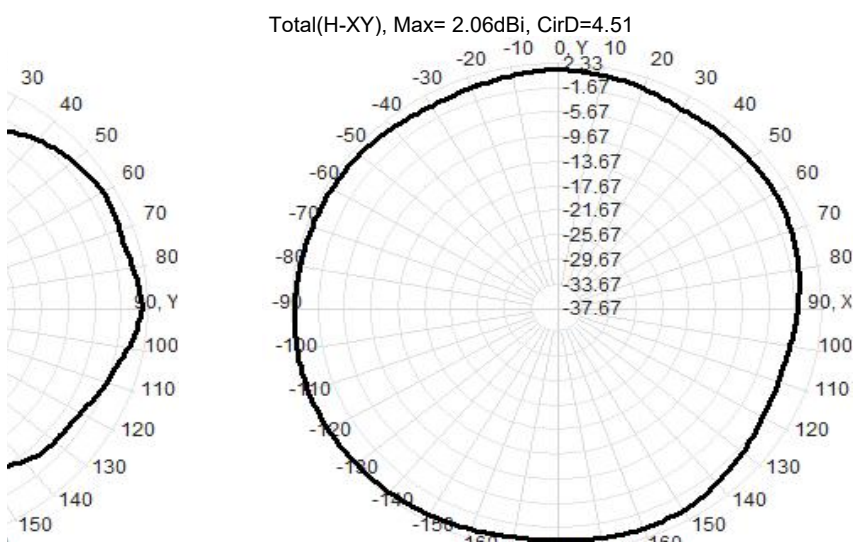
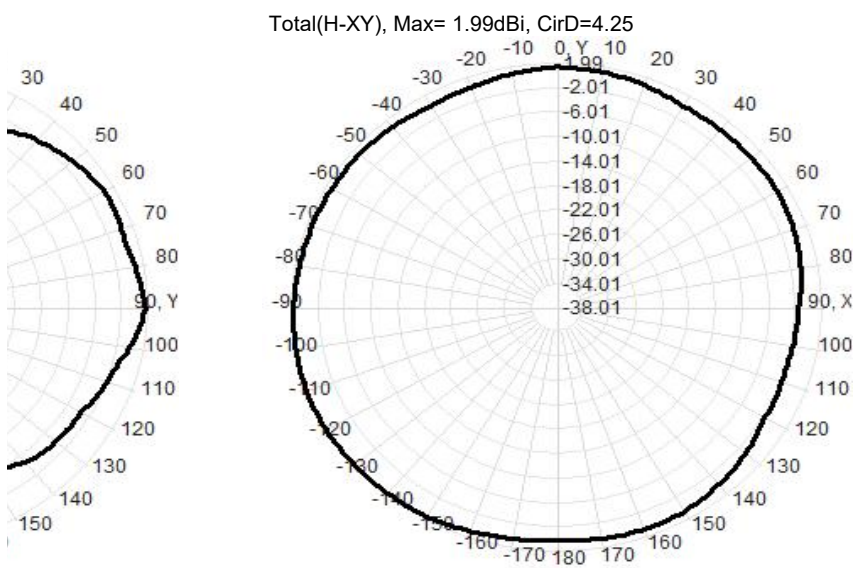
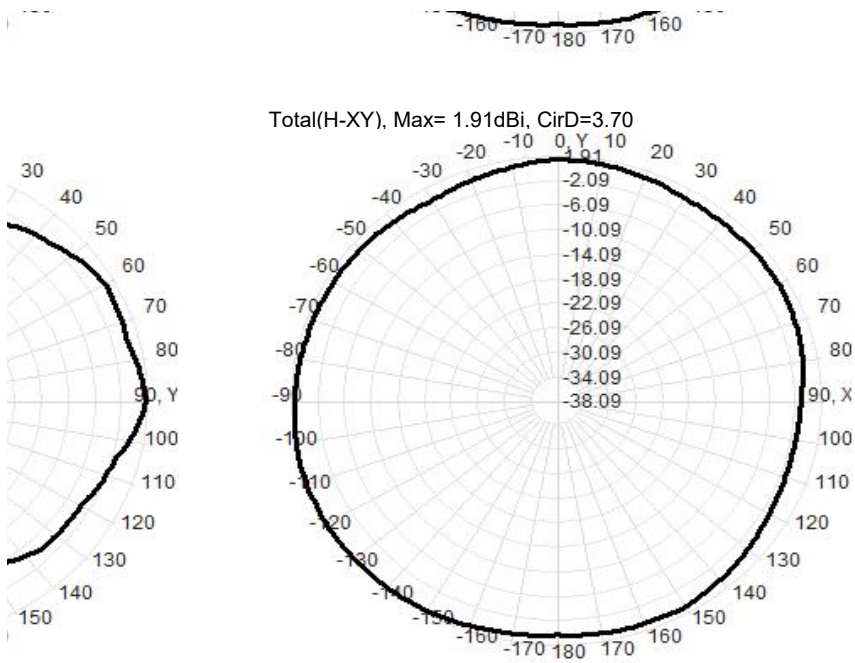
Total(H-XY), Max= 1.59dBi, CirD=3.38



Total(H-XY), Max= 1.35dBi, CirD=2.96

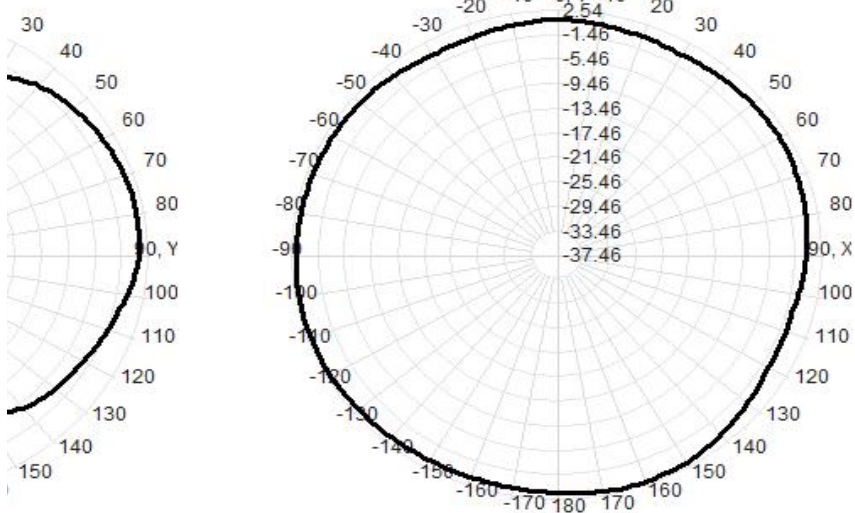




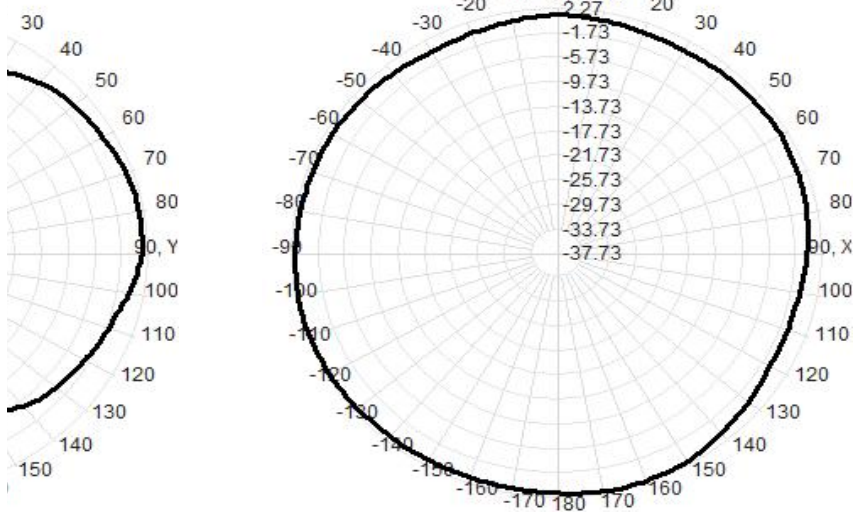




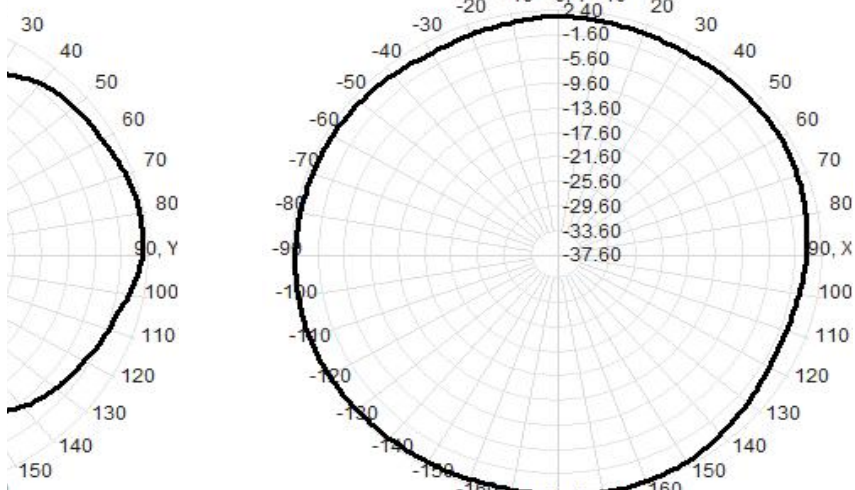
Total(H-XY), Max= 1.97dBi, CirD=2.98



Total(H-XY), Max= 1.86dBi, CirD=2.87

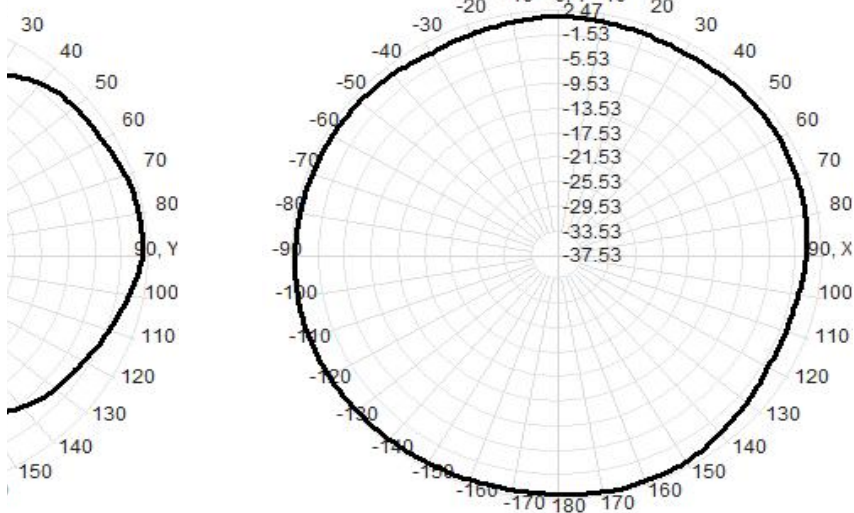


Total(H-XY), Max= 1.98dBi, CirD=2.97

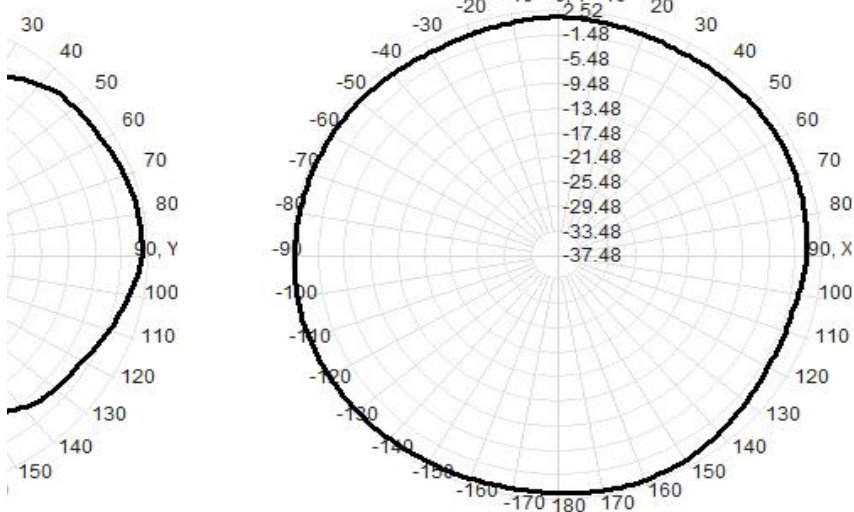




Total(H-XY), Max= 2.09dBi, CirD=3.13



Total(H-XY), Max= 2.20dBi, CirD=3.24



Total(H-XY), Max= 2.37dBi, CirD=3.13

