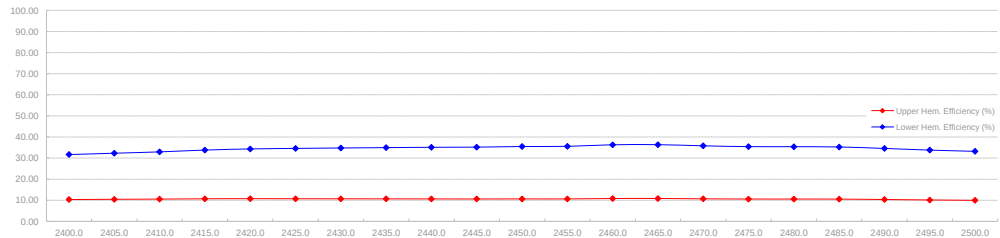
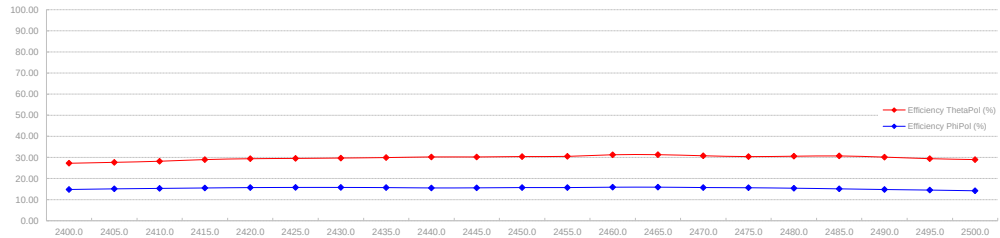
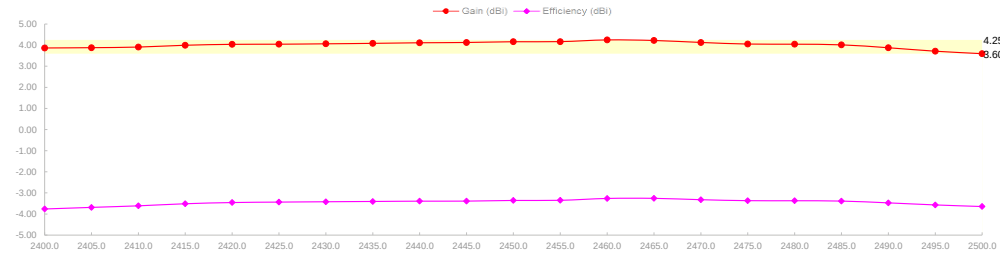
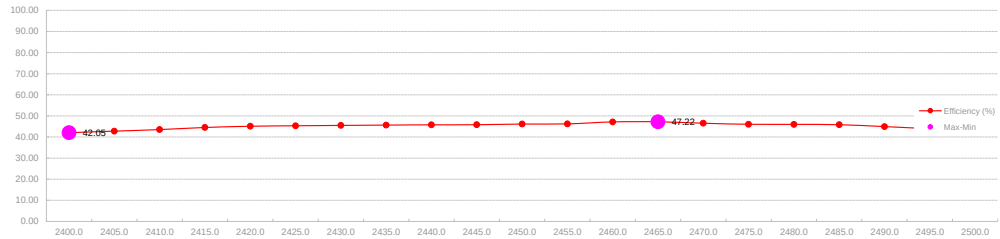
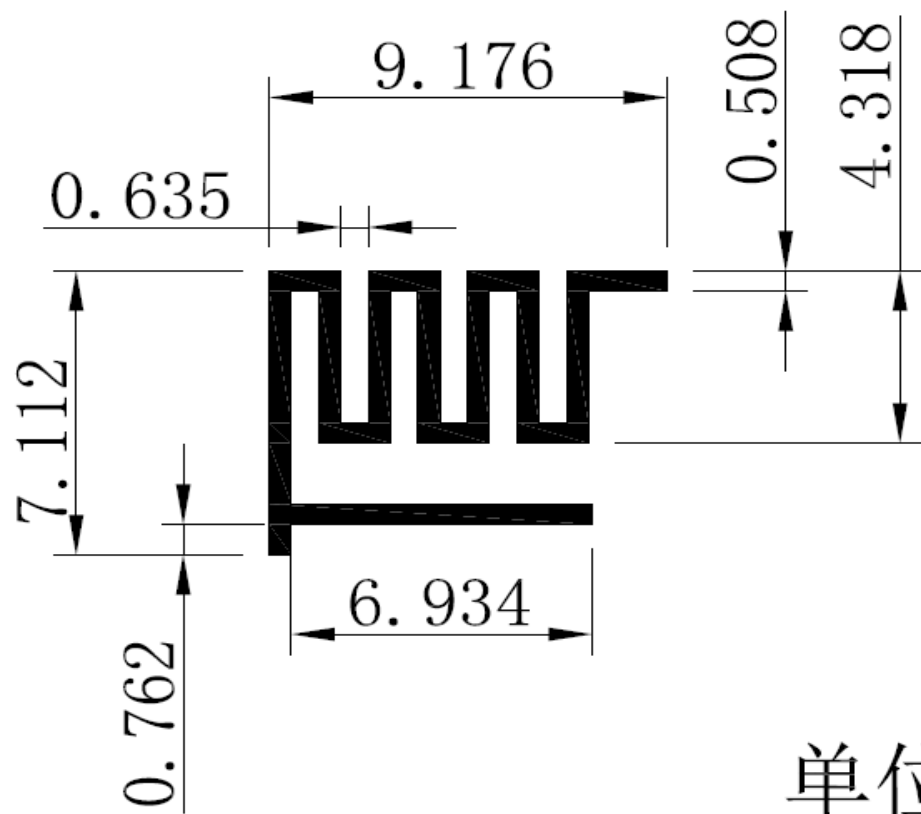


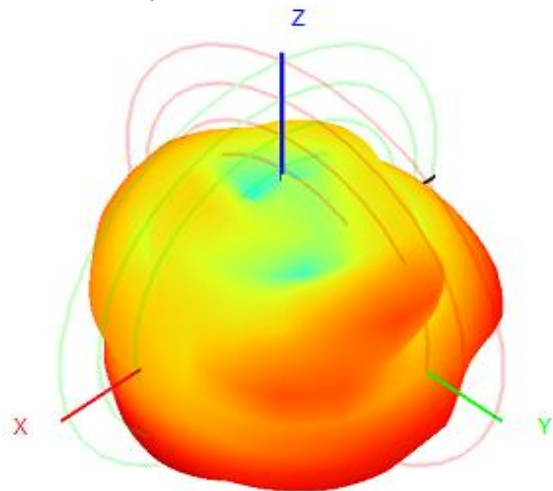
MHZ.TD																					
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (dBi)	-3.76	-3.69	-3.61	-3.51	-3.46	-3.44	-3.42	-3.41	-3.39	-3.39	-3.36	-3.35	-3.26	-3.26	-3.32	-3.37	-3.37	-3.39	-3.47	-3.57	-3.65
Gain (dBi)	3.87	3.88	3.91	4.00	4.04	4.05	4.06	4.08	4.11	4.13	4.16	4.17	4.25	4.22	4.13	4.05	4.04	4.01	3.88	3.71	3.60
Efficiency (%)	42.05	42.79	43.52	44.52	45.11	45.33	45.50	45.65	45.79	45.82	46.15	46.22	47.16	47.22	46.53	46.04	46.00	45.83	44.95	43.95	43.19
Directivity (dB)	7.63	7.57	7.52	7.51	7.50	7.48	7.48	7.49	7.51	7.52	7.52	7.52	7.51	7.48	7.45	7.42	7.42	7.40	7.35	7.28	7.24
Peak Gain Position (Theta)	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00
Peak Gain Position (Phi)	345.00	345.00	345.00	345.00	345.00	345.00	345.00	345.00	345.00	345.00	345.00	345.00	345.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Efficiency ThetaPol (%)	27.24	27.68	28.20	28.98	29.39	29.54	29.72	29.93	30.24	30.23	30.43	30.50	31.27	31.31	30.79	30.40	30.57	30.71	30.15	29.42	28.98
Efficiency PhiPol (%)	14.81	15.11	15.33	15.54	15.71	15.79	15.78	15.71	15.55	15.59	15.72	15.72	15.90	15.91	15.74	15.64	15.43	15.12	14.80	14.53	14.20
Upper Hem. Efficiency (%)	10.36	10.48	10.58	10.72	10.77	10.73	10.71	10.69	10.66	10.63	10.67	10.65	10.85	10.86	10.71	10.60	10.60	10.57	10.38	10.16	9.99
Lower Hem. Efficiency (%)	31.69	32.31	32.95	33.80	34.34	34.59	34.79	34.96	35.12	35.19	35.49	35.57	36.31	36.36	35.82	35.43	35.40	35.27	34.57	33.79	33.20
19Q(H) 增益	6.73	6.82	6.92	7.01	7.12	7.22	7.29	7.34	7.36	7.39	7.39	7.36	7.27	7.19	7.13	7.13	7.14	7.22	7.38	7.59	7.81
Gain 15deg (dBi)																					
E1(XZ)波瓣宽度	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
E1(XZ)前后比	2.30	2.26	2.24	2.25	2.24	2.23	2.24	2.26	2.29	2.31	2.33	2.36	2.37	2.35	2.31	2.29	2.24	2.16	2.07	2.00	
E2(YZ)波瓣宽度	25.00	25.00	25.00	26.00	26.00	26.00	50.00	50.00	26.00	26.00	51.00	51.00	53.00	53.00	53.00	53.00	52.00	52.00	52.00	52.00	52.00
E2(YZ)前后比	1.74	1.59	1.49	1.41	1.38	1.33	1.25	1.15	1.05	0.92	0.77	0.60	0.39	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
最大增益处轴比(P)	12.14	12.32	12.51	12.65	12.63	12.59	12.65	12.84	13.06	13.33	13.53	13.80	14.19	13.36	13.49	13.55	13.62	13.68	13.73	13.97	14.22
仰角10度增益(大)轴比(P)	68.12	60.94	66.61	74.81	76.05	54.99	57.90	71.84	70.53	61.60	61.52	56.82	48.99	48.74	47.84	48.40	65.40	46.40	49.75	62.45	49.26
Hc(XY)波瓣宽度	137.00	136.00	135.00	134.00	133.00	133.00	133.00	134.00	135.00	136.00	138.00	140.00	146.00	154.00	225.00	224.00	151.00	139.00	135.00	133.00	132.00
Hc(XY)前后比	0.83	0.86	0.87	0.89	0.92	0.95	0.97	0.97	0.96	0.96	0.95	0.94	0.90	0.88	0.88	0.88	0.88	0.88	0.93	1.01	1.09
Empty																					



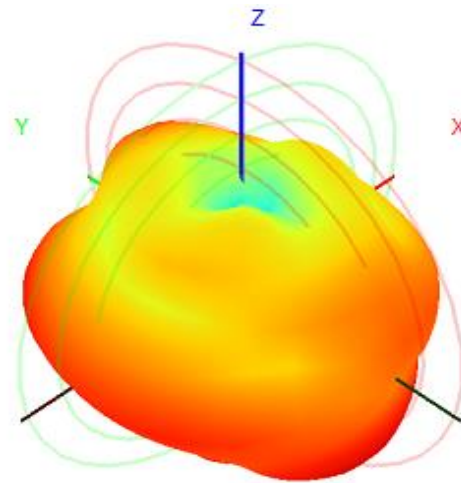


单位: mm

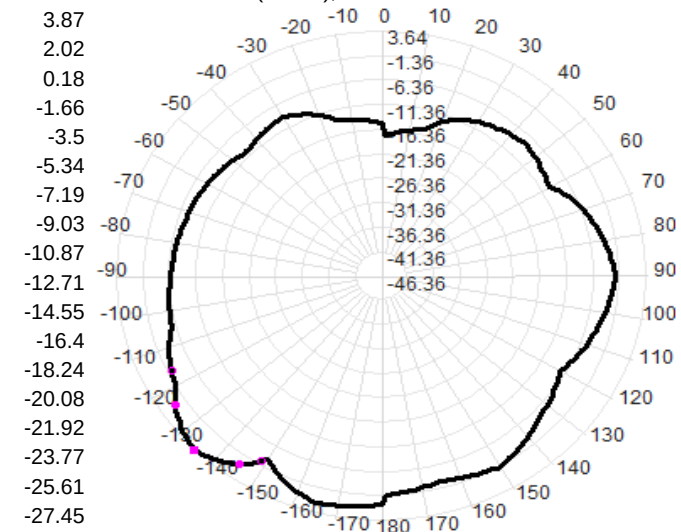
2400.0MHz H+V, Eff: 42.0%



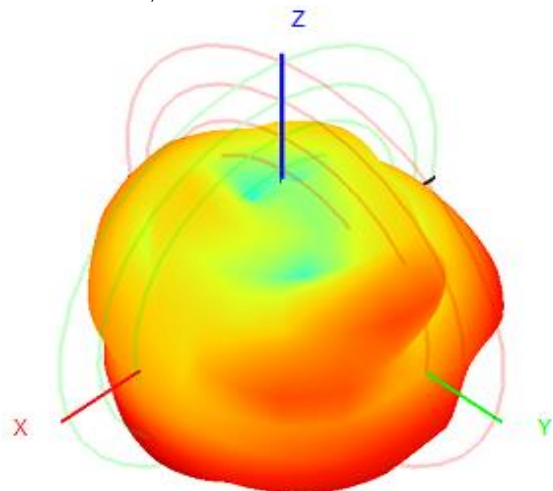
Back View



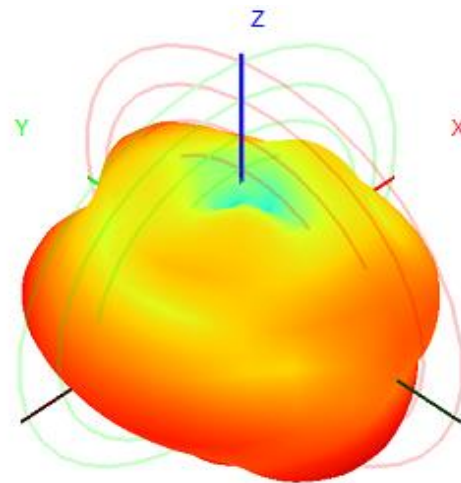
2400.0MHz Total(E1-XZ), Max= 3.64dBi



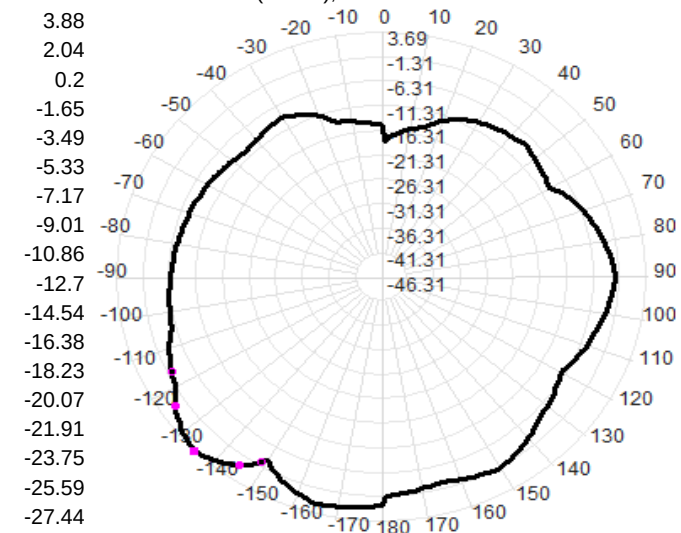
2405.0MHz H+V, Eff: 42.8%



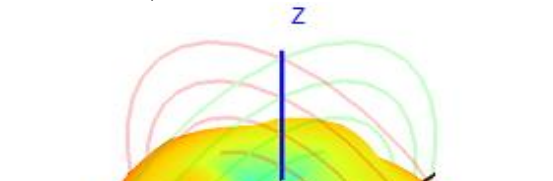
Back View



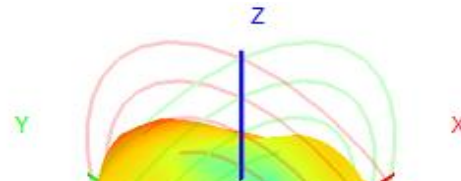
2405.0MHz Total(E1-XZ), Max= 3.69dBi



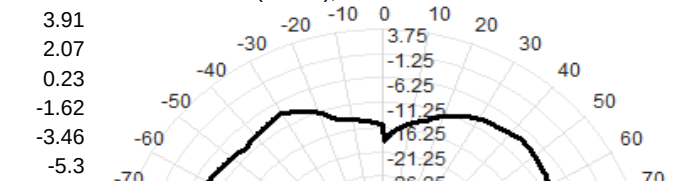
2410.0MHz H+V, Eff: 43.5%

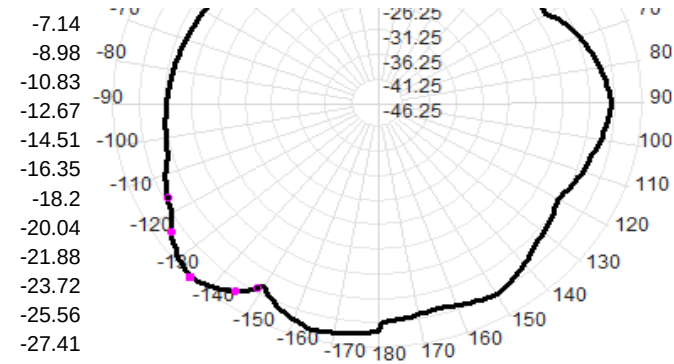
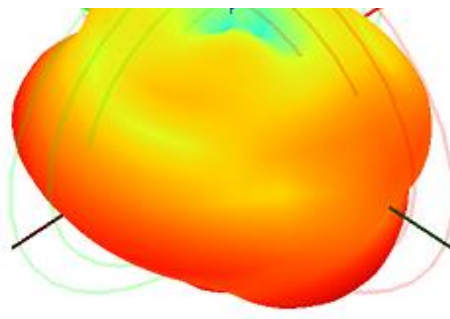
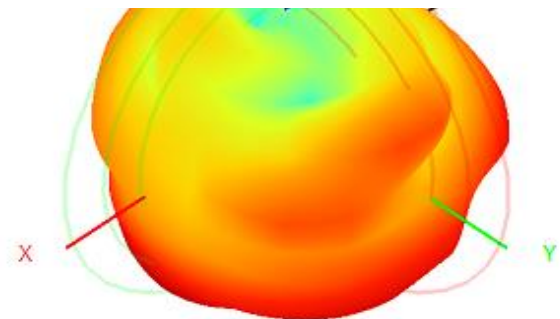


Back View



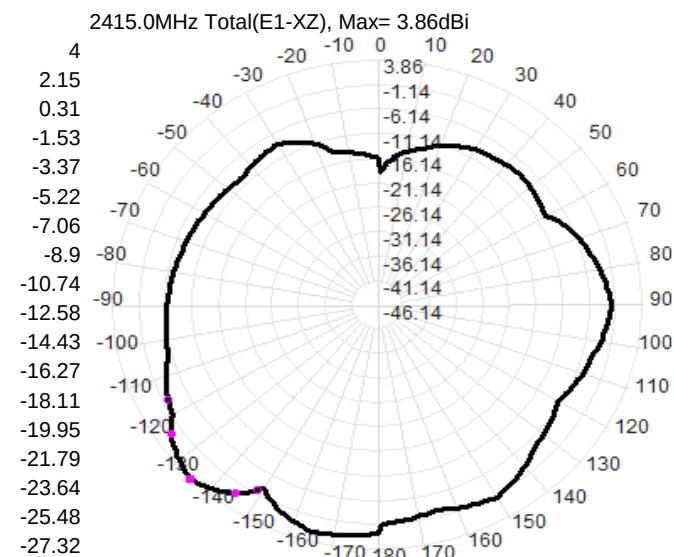
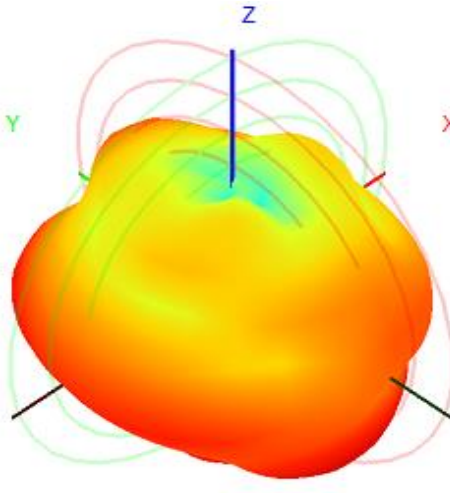
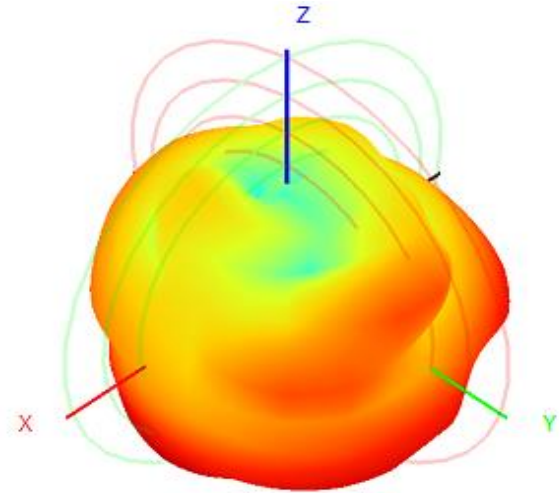
2410.0MHz Total(E1-XZ), Max= 3.75dBi





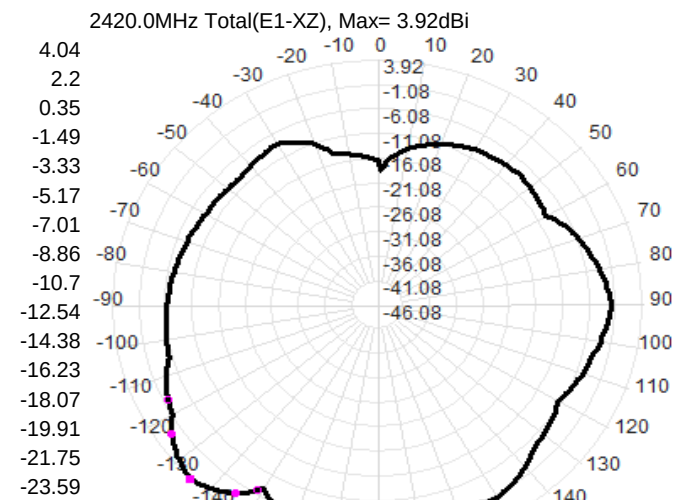
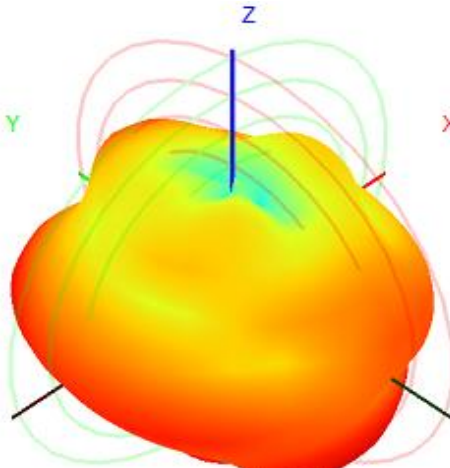
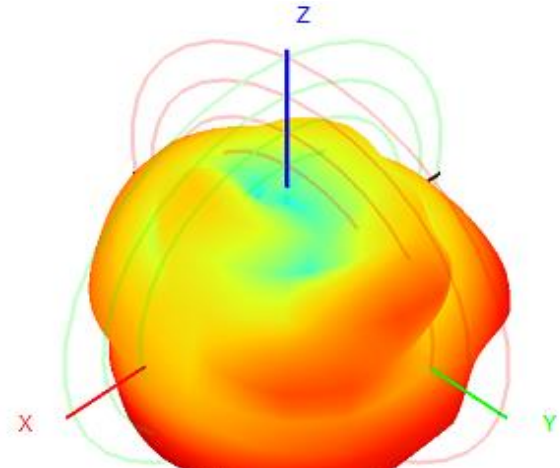
2415.0MHz H+V, Eff: 44.5%

Back View

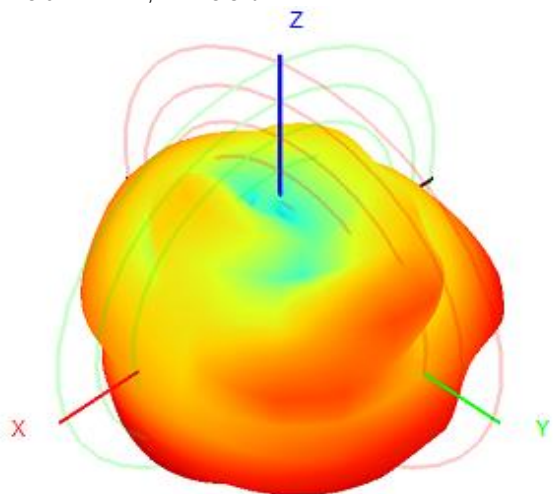


2420.0MHz H+V, Eff: 45.1%

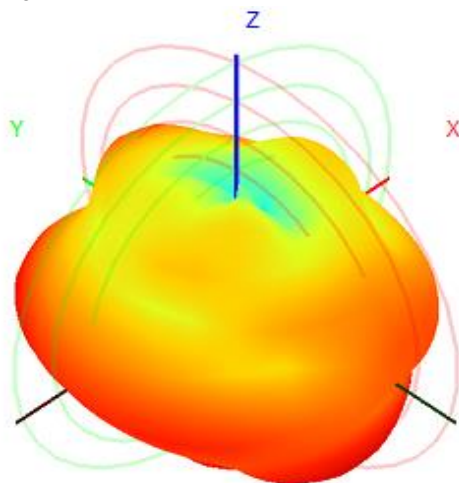
Back View



2425.0MHz H+V, Eff: 45.3%

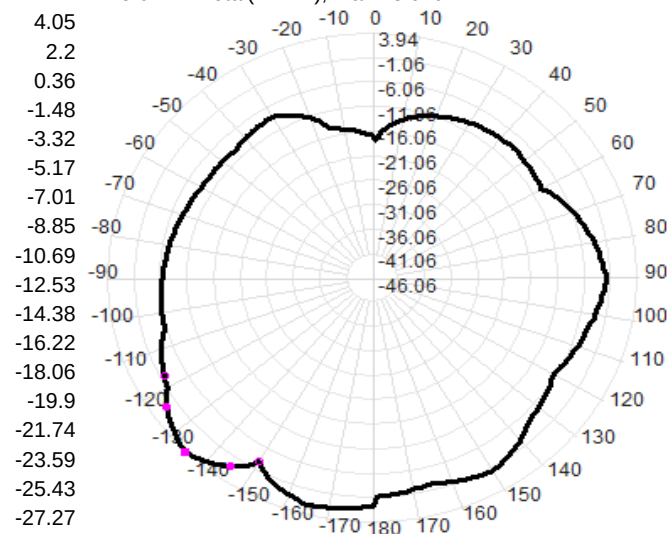


Back View

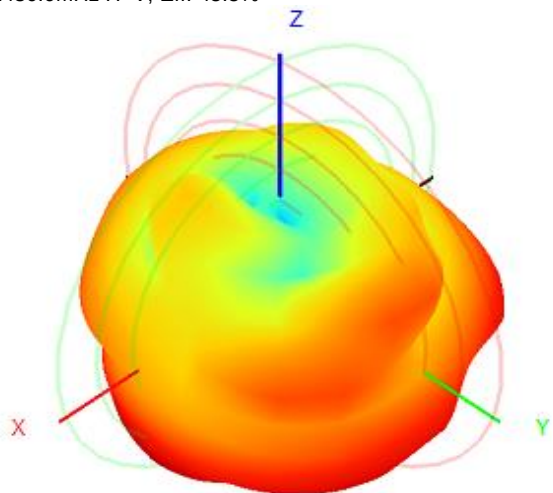


-25.44
-27.28

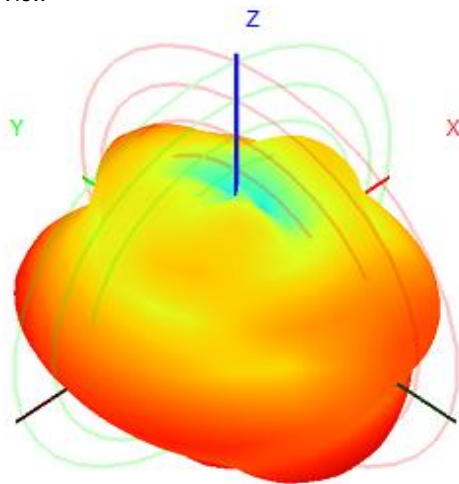
2425.0MHz Total(E1-XZ), Max= 3.94dBi



2430.0MHz H+V, Eff: 45.5%

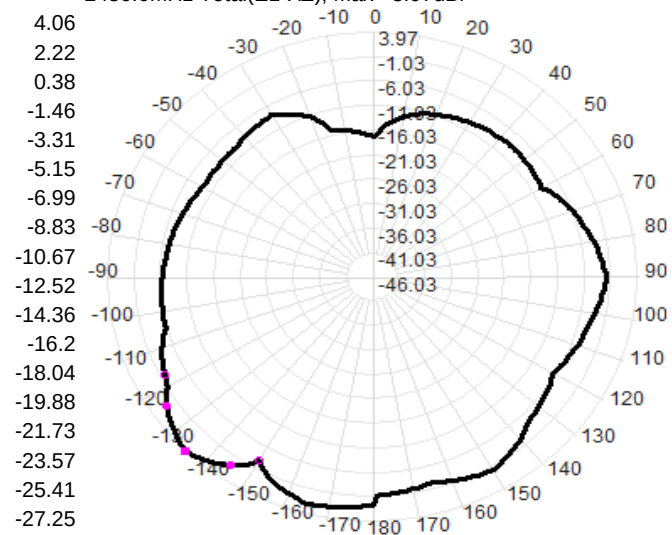


Back View

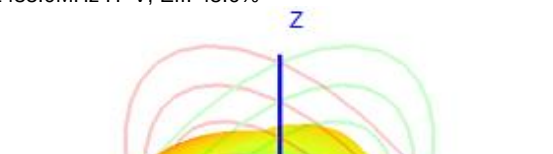


-25.41
-27.25

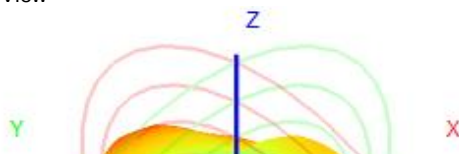
2430.0MHz Total(E1-XZ), Max= 3.97dBi



2435.0MHz H+V, Eff: 45.6%

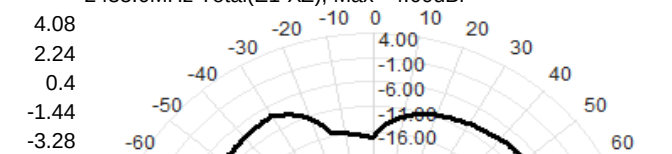


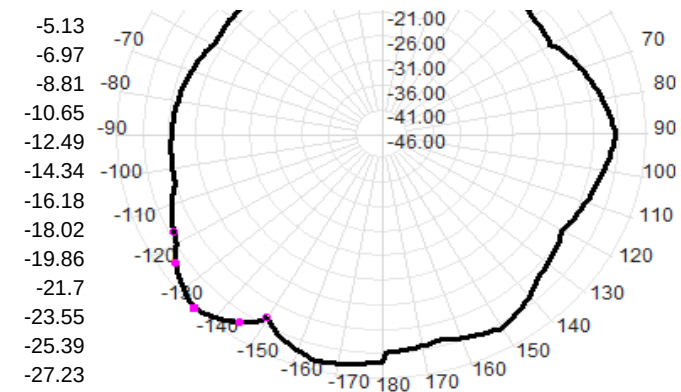
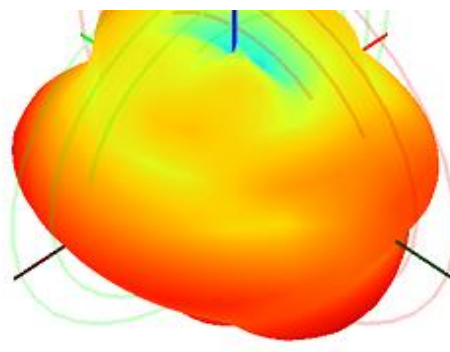
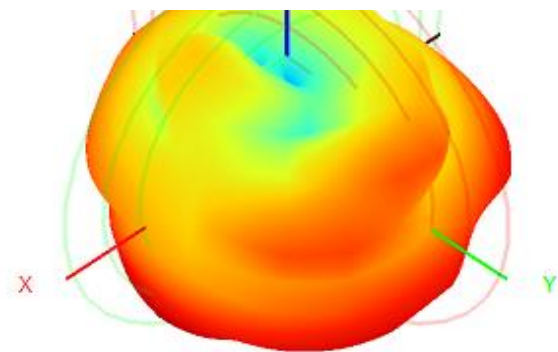
Back View



-3.28
4.08

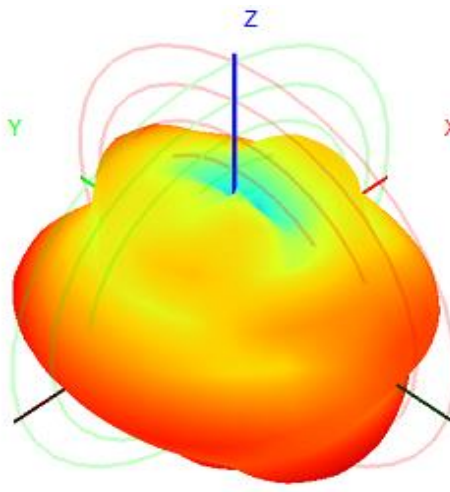
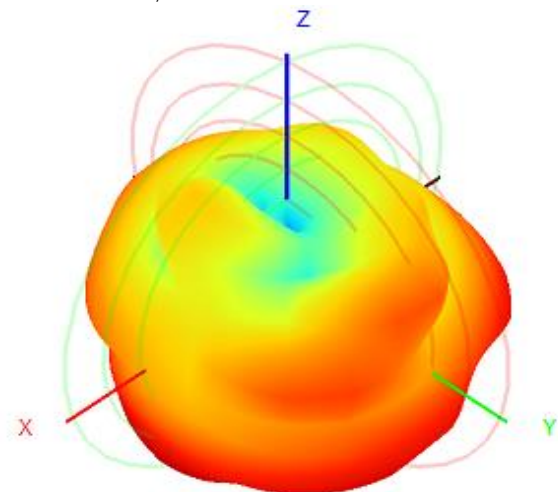
2435.0MHz Total(E1-XZ), Max= 4.00dBi



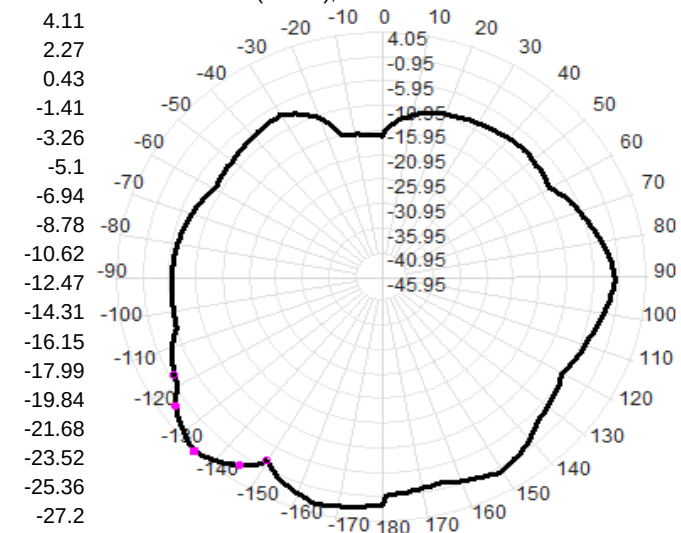


2440.0MHz H+V, Eff: 45.8%

Back View

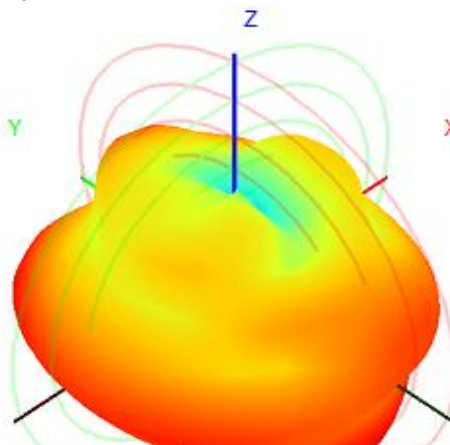
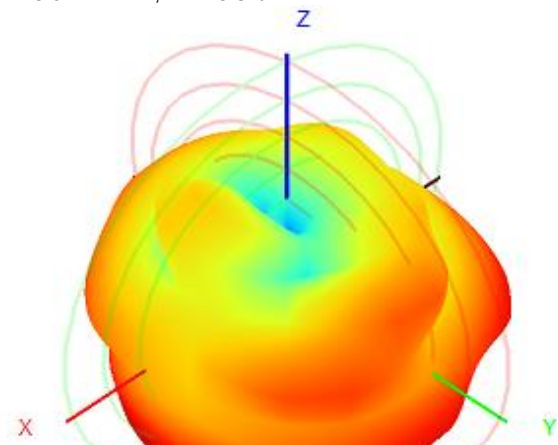


2440.0MHz Total(E1-XZ), Max= 4.05dBi

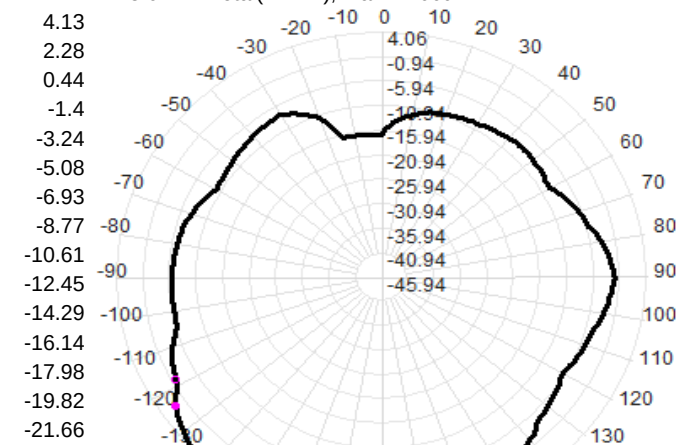


2445.0MHz H+V, Eff: 45.8%

Back View

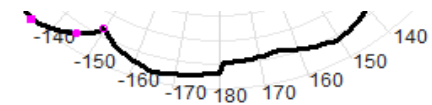


2445.0MHz Total(E1-XZ), Max= 4.06dBi



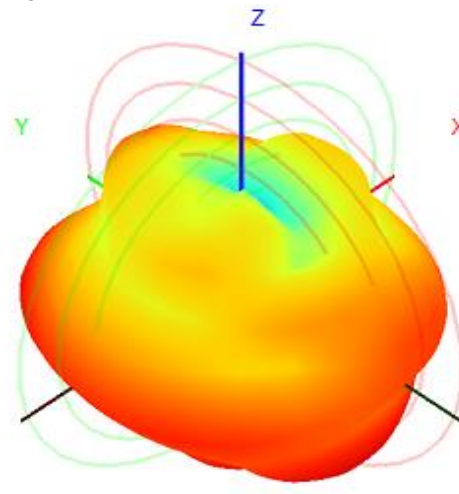
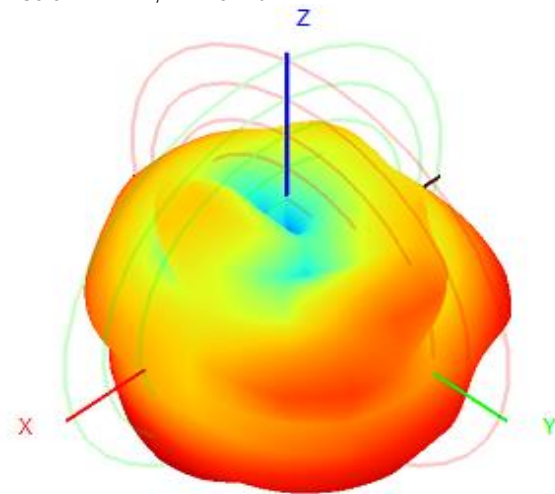


-23.51
-25.35
-27.19



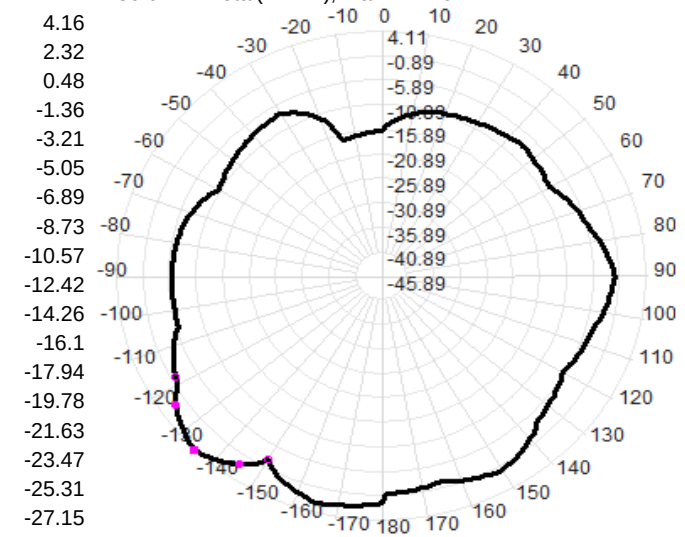
2450.0MHz H+V, Eff: 46.2%

Back View



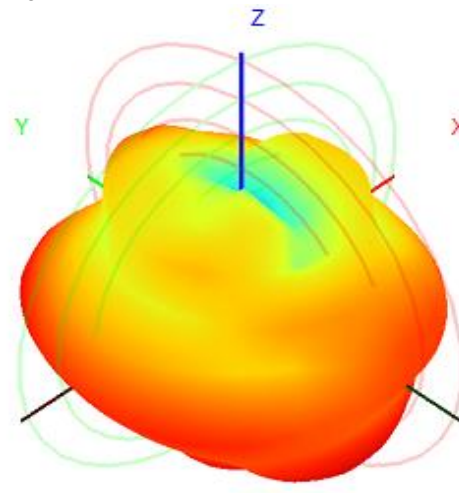
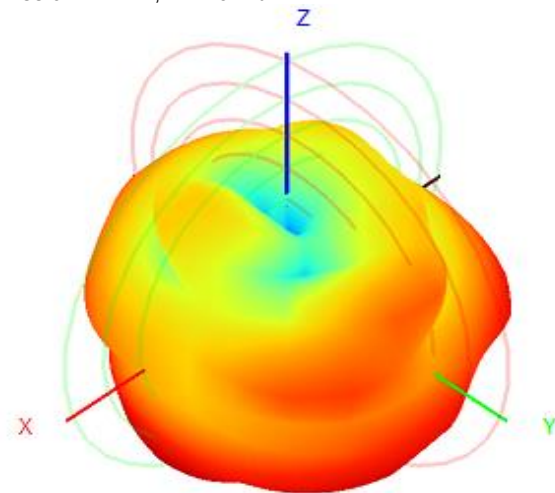
4.16
2.32
0.48
-1.36
-3.21
-5.05
-6.89
-8.73
-10.57
-12.42
-14.26
-16.1
-17.94
-19.78
-21.63
-23.47
-25.31
-27.15

2450.0MHz Total(E1-XZ), Max= 4.11dBi



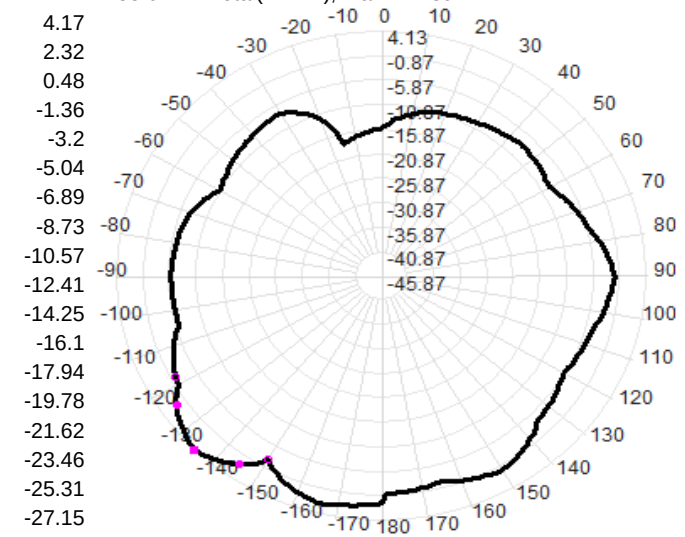
2455.0MHz H+V, Eff: 46.2%

Back View



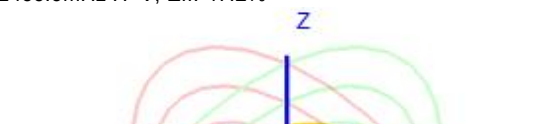
4.17
2.32
0.48
-1.36
-3.2
-5.04
-6.89
-8.73
-10.57
-12.41
-14.25
-16.1
-17.94
-19.78
-21.62
-23.46
-25.31
-27.15

2455.0MHz Total(E1-XZ), Max= 4.13dBi



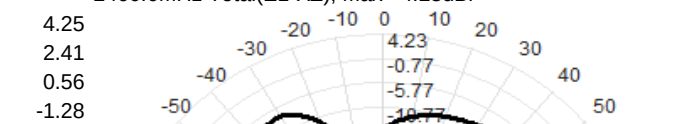
2460.0MHz H+V, Eff: 47.2%

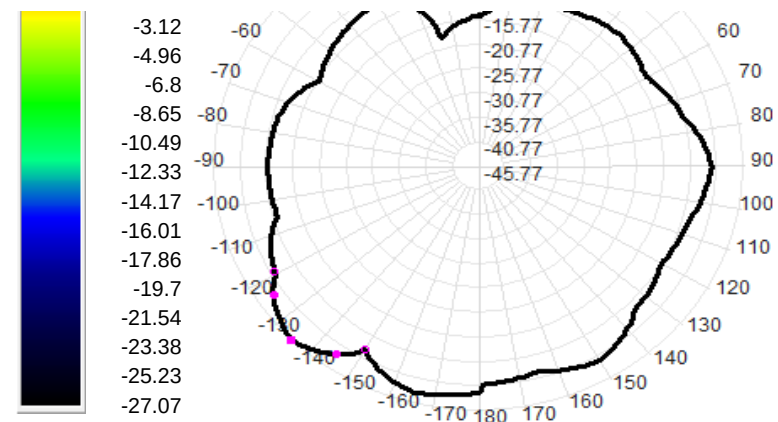
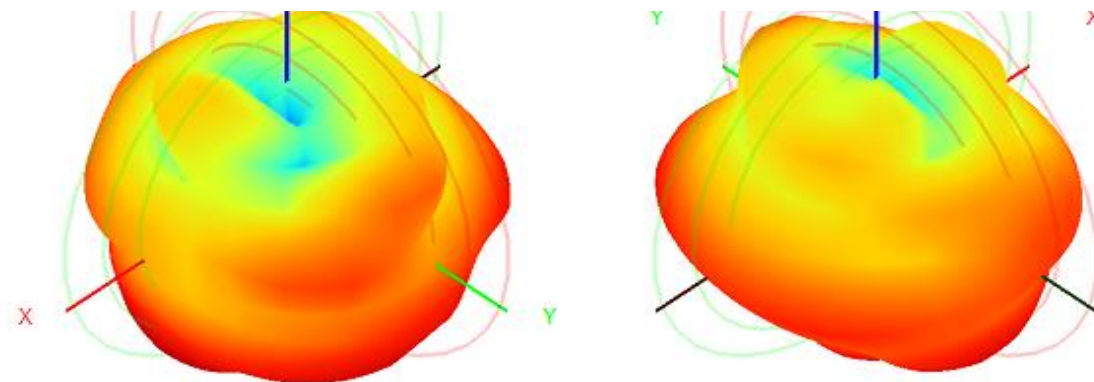
Back View



4.25
2.41
0.56
-1.28

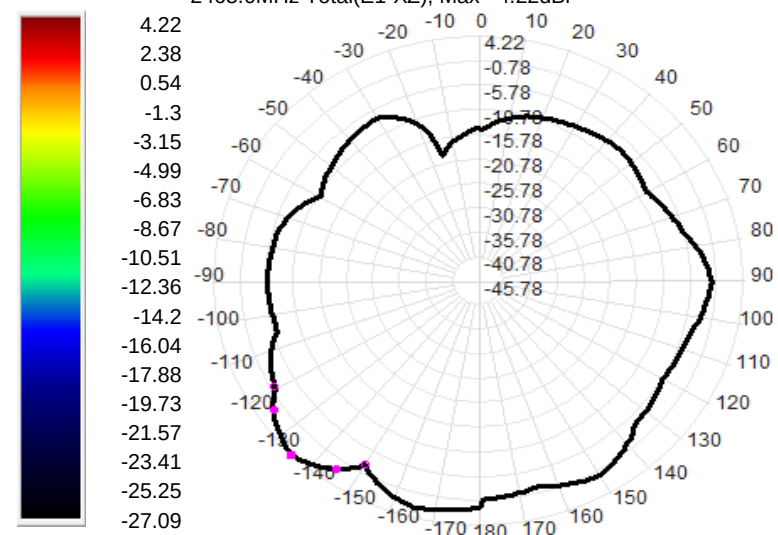
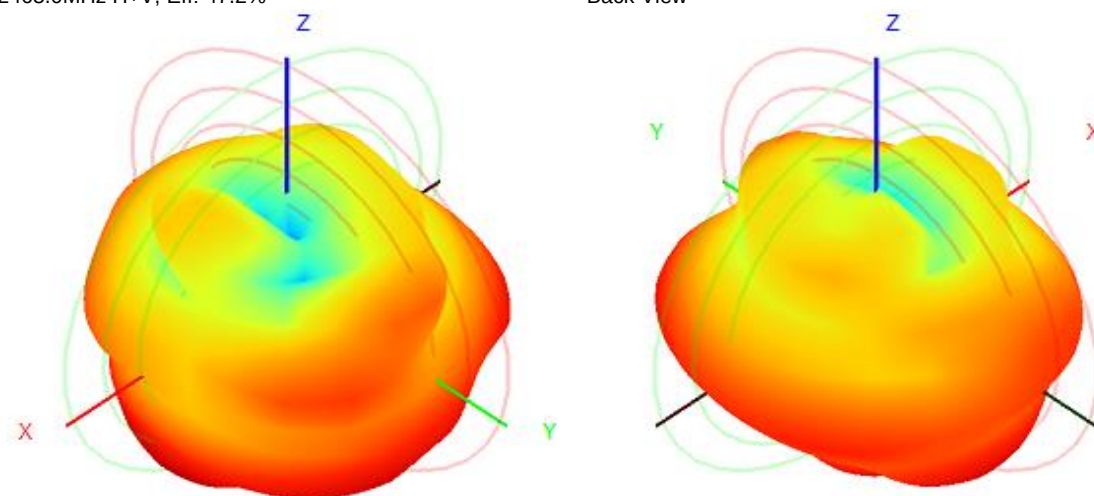
2460.0MHz Total(E1-XZ), Max= 4.23dBi





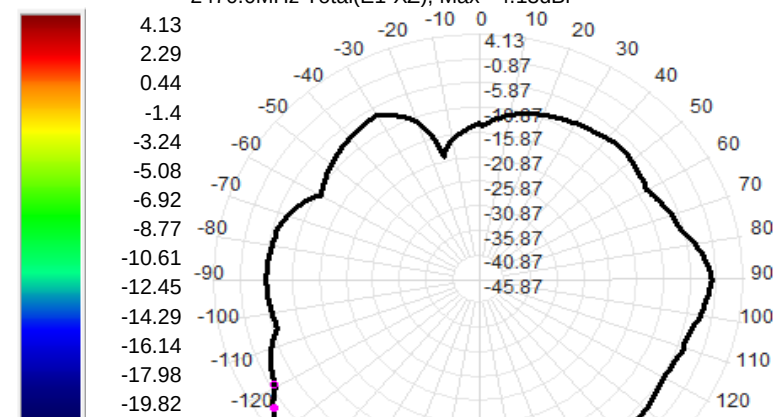
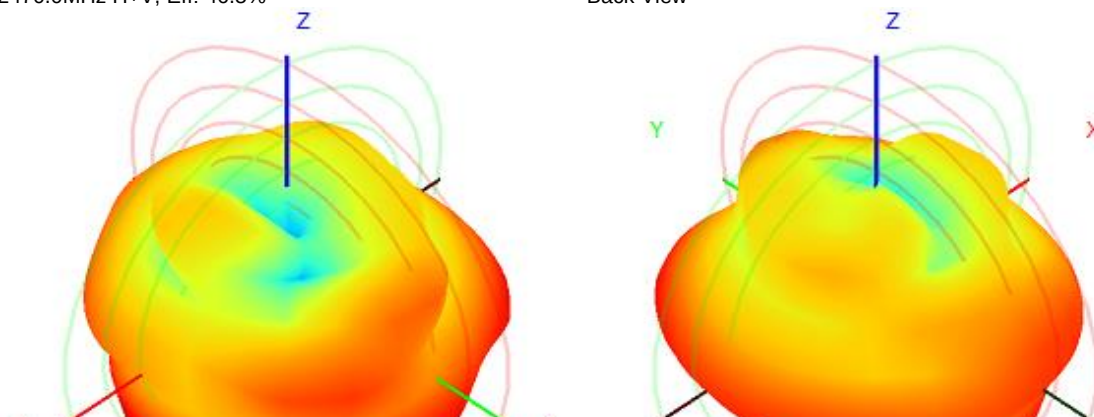
2465.0MHz H+V, Eff: 47.2%

Back View



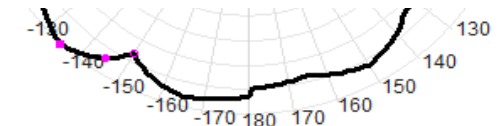
2470.0MHz H+V, Eff: 46.5%

Back View



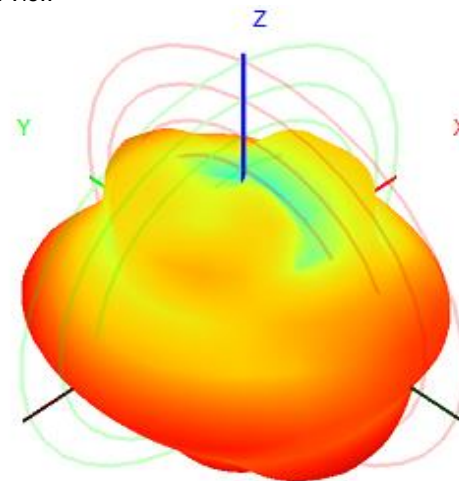
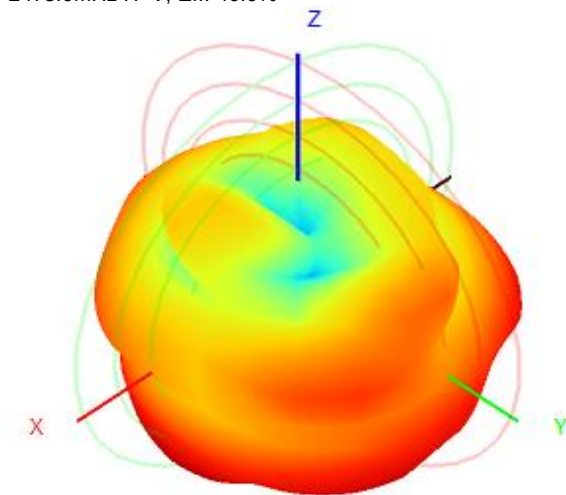


-21.66
-23.5
-25.35
-27.19



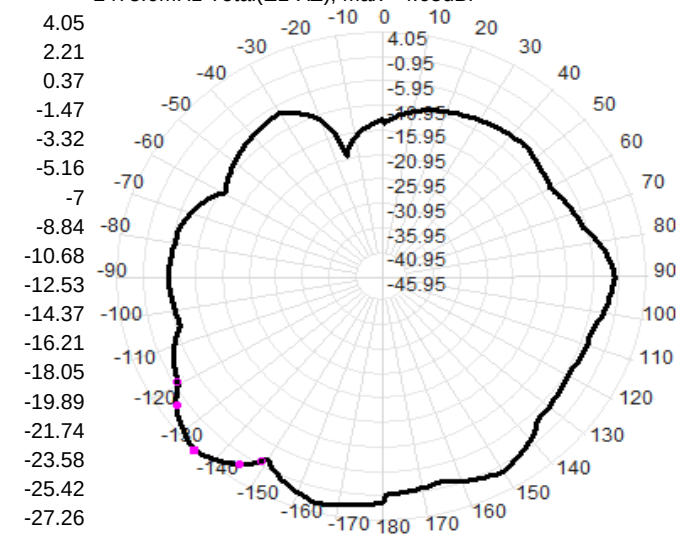
2475.0MHz H+V, Eff: 46.0%

Back View



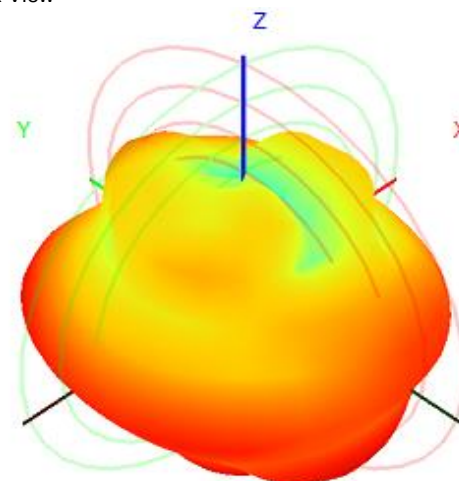
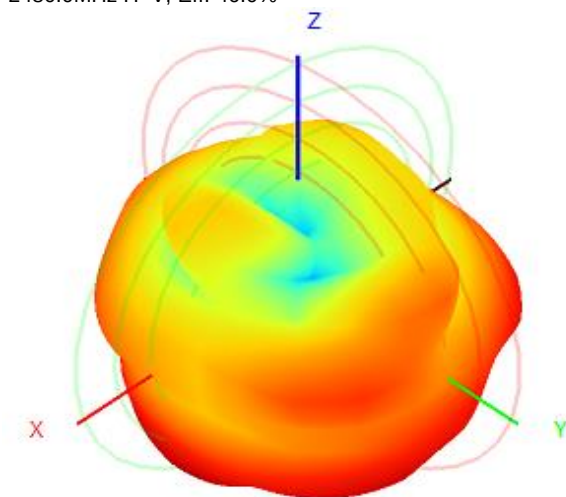
4.05
2.21
0.37
-1.47
-3.32
-5.16
-7
-8.84
-10.68
-12.53
-14.37
-16.21
-18.05
-19.89
-21.74
-23.58
-25.42
-27.26

2475.0MHz Total(E1-XZ), Max= 4.05dBi



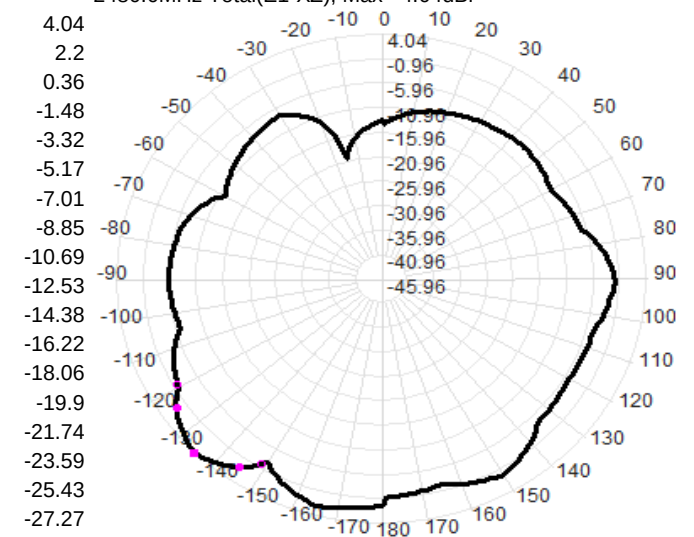
2480.0MHz H+V, Eff: 46.0%

Back View



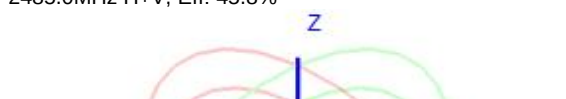
4.04
2.2
0.36
-1.48
-3.32
-5.17
-7.01
-8.85
-10.69
-12.53
-14.38
-16.22
-18.06
-19.9
-21.74
-23.59
-25.43
-27.27

2480.0MHz Total(E1-XZ), Max= 4.04dBi



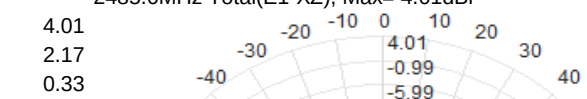
2485.0MHz H+V, Eff: 45.8%

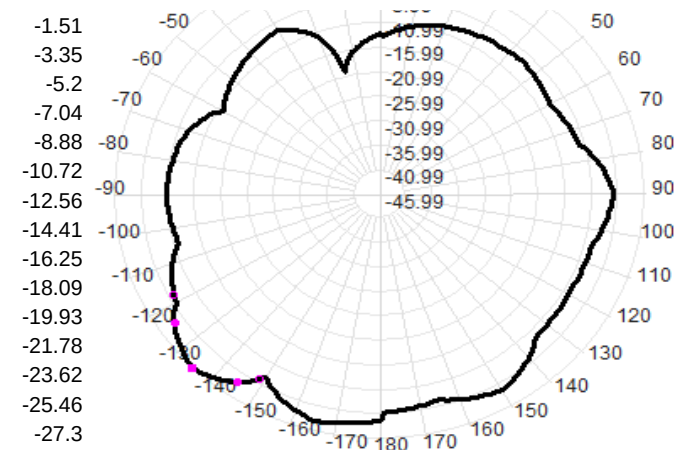
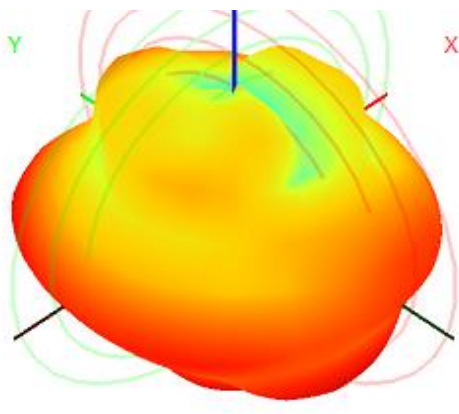
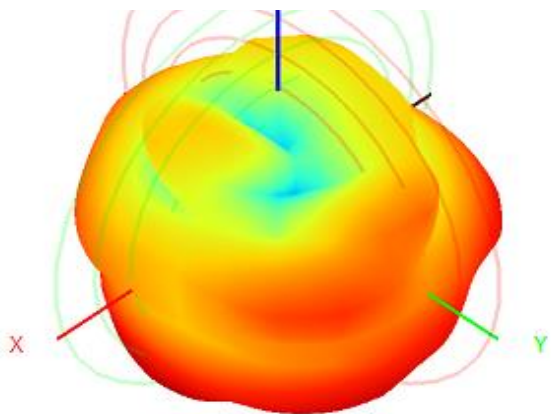
Back View



4.01
2.17
0.33

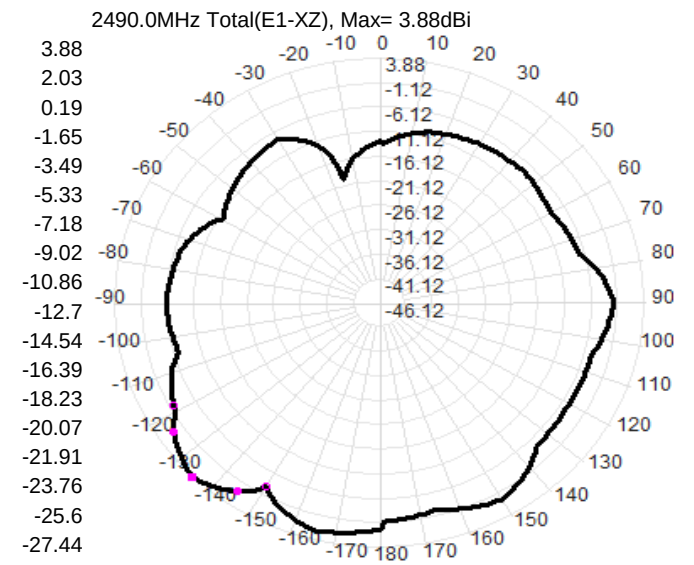
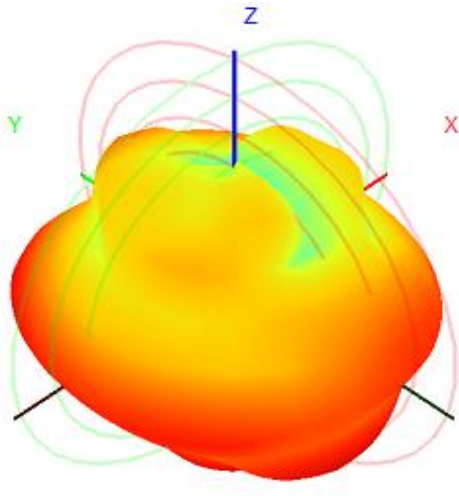
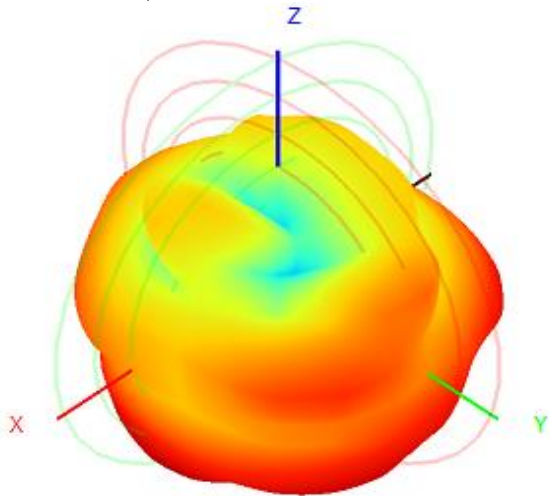
2485.0MHz Total(E1-XZ), Max= 4.01dBi





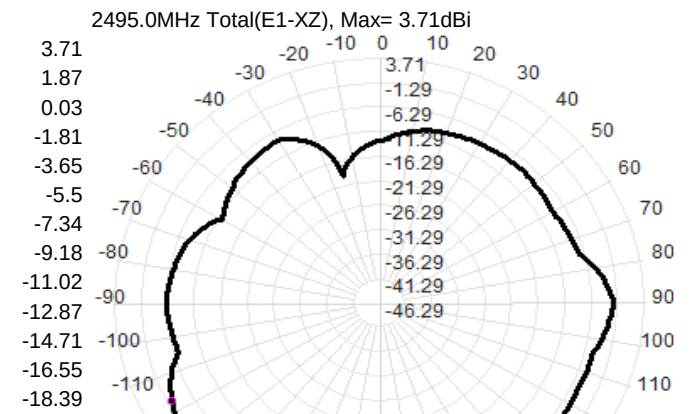
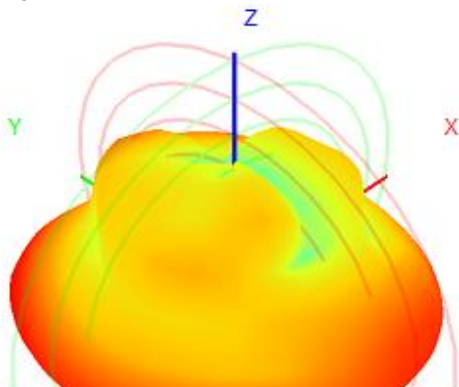
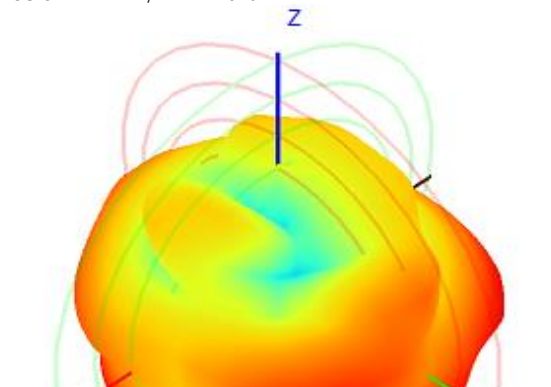
2490.0MHz H+V, Eff: 45.0%

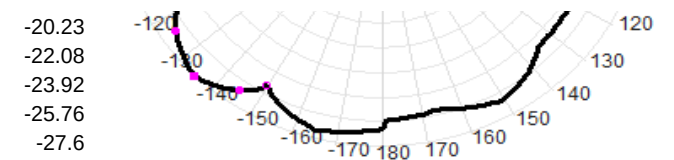
Back View



2495.0MHz H+V, Eff: 44.0%

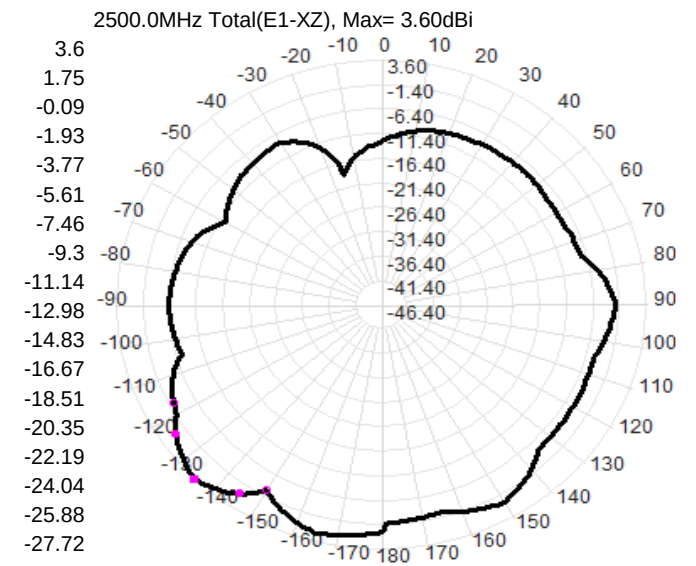
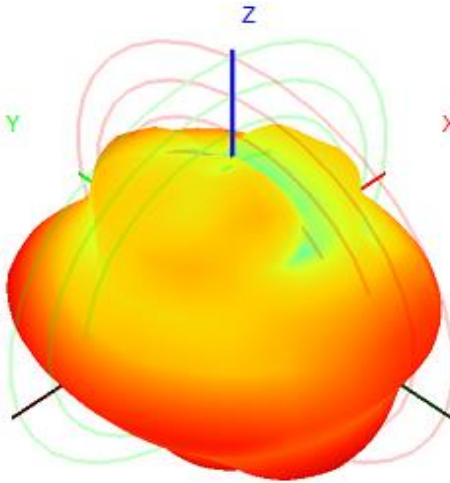
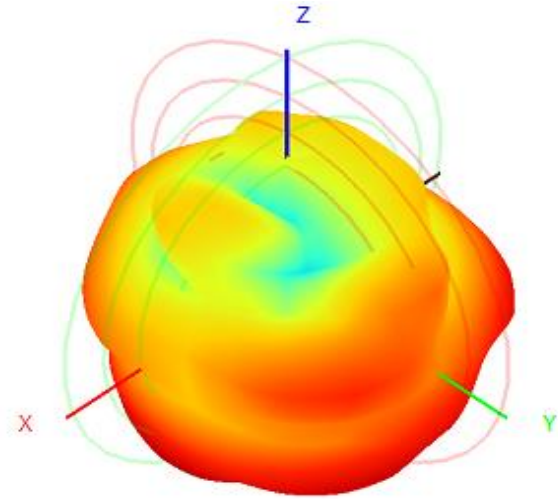
Back View



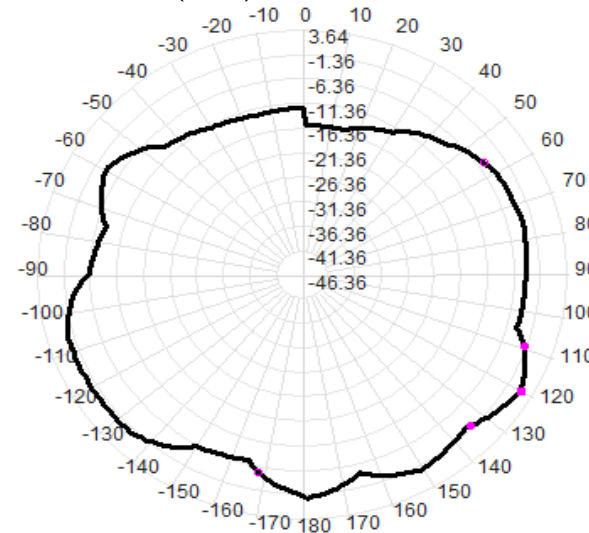


2500.0MHz H+V, Eff: 43.2%

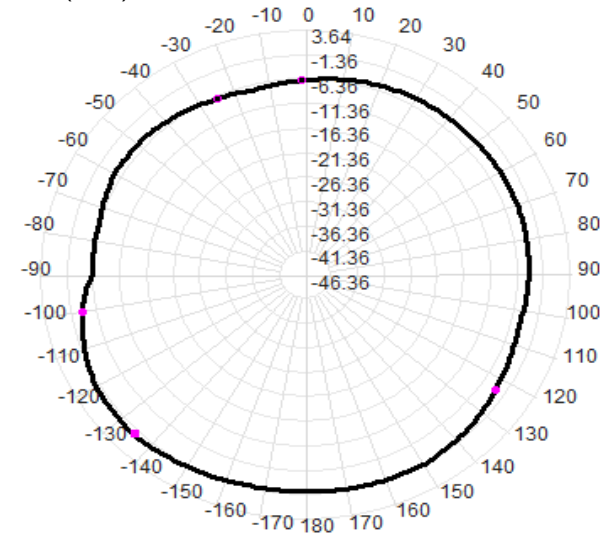
Back View



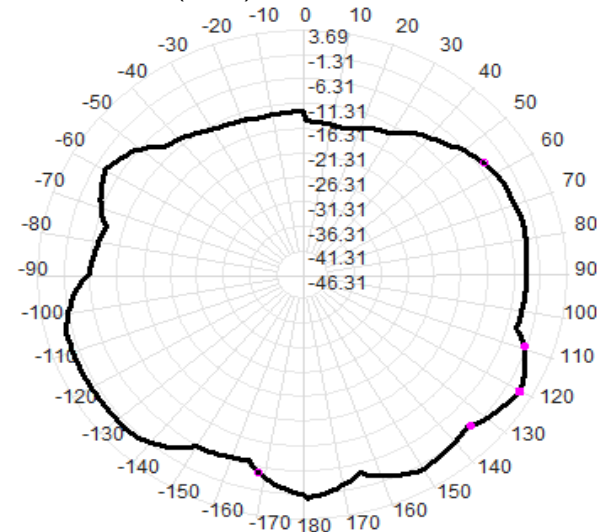
2400.0MHz Total(E2-YZ), Max= 0.89dBi



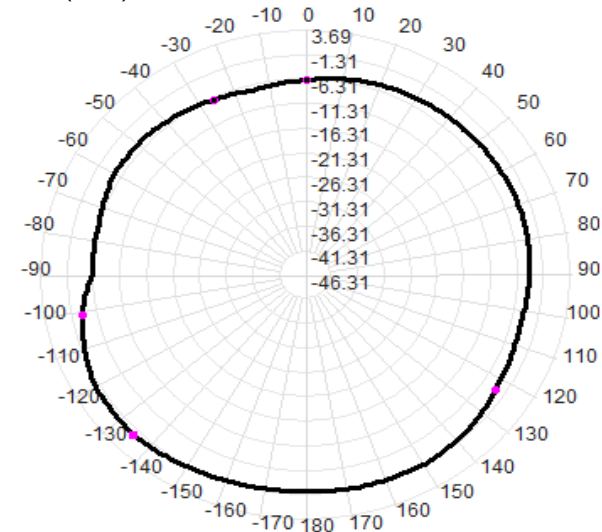
Total(H-XY), Max= -0.67dBi, CirD=6.73



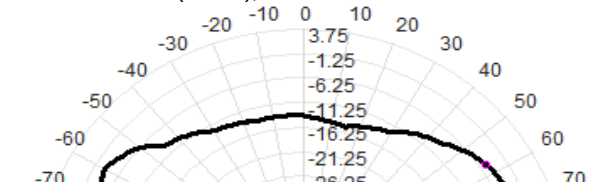
2405.0MHz Total(E2-YZ), Max= 0.90dBi



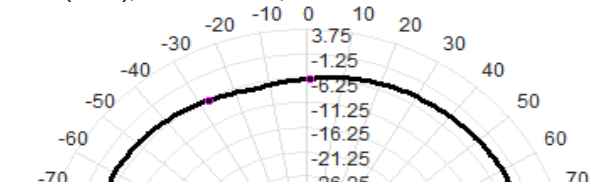
Total(H-XY), Max= -0.54dBi, CirD=6.82

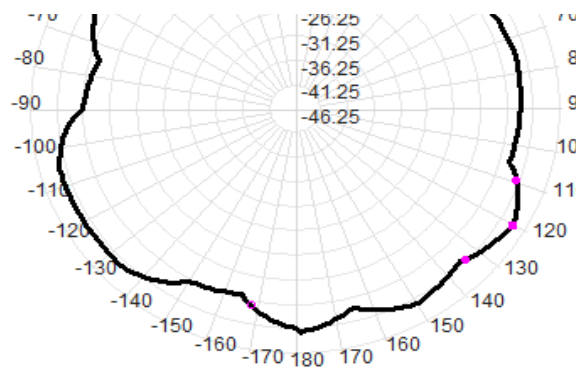


2410.0MHz Total(E2-YZ), Max= 0.91dBi

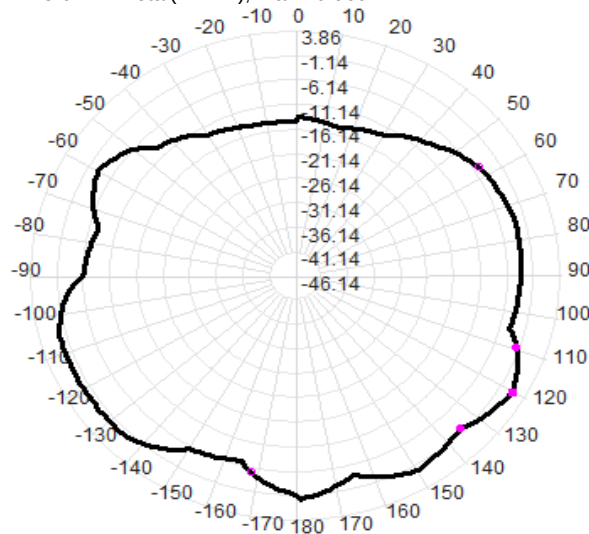


Total(H-XY), Max= -0.41dBi, CirD=6.92

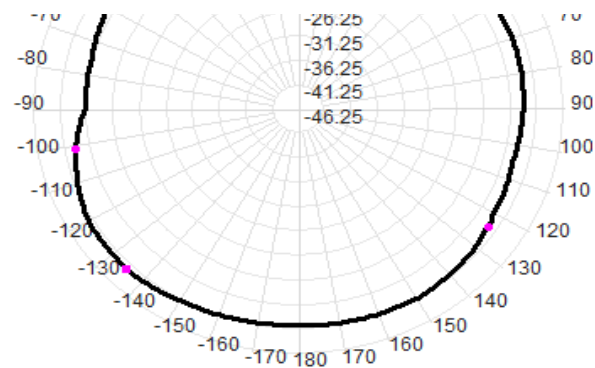
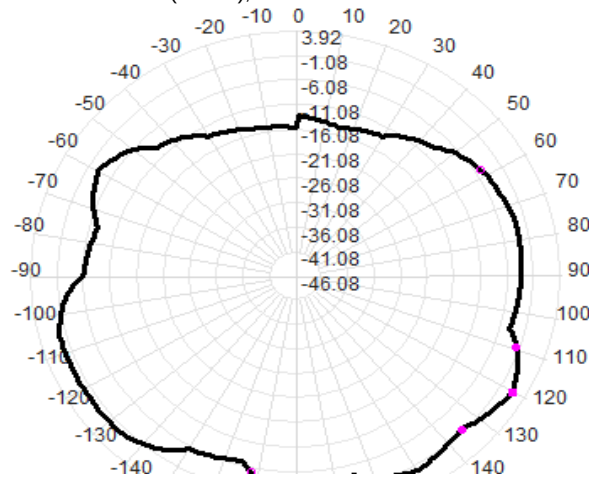




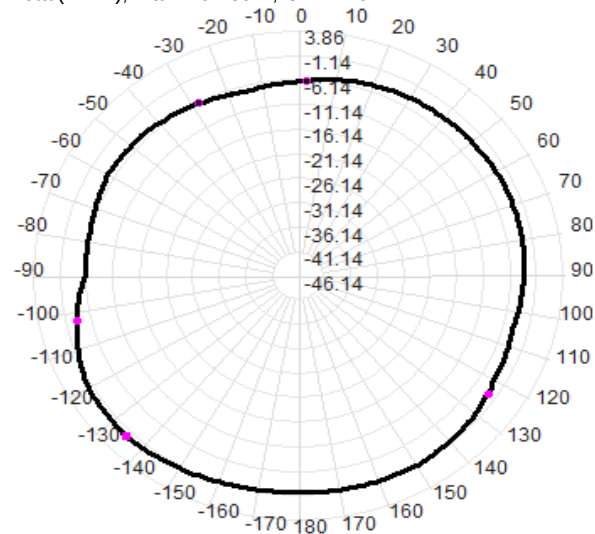
2415.0MHz Total(E2-YZ), Max= 0.96dBi



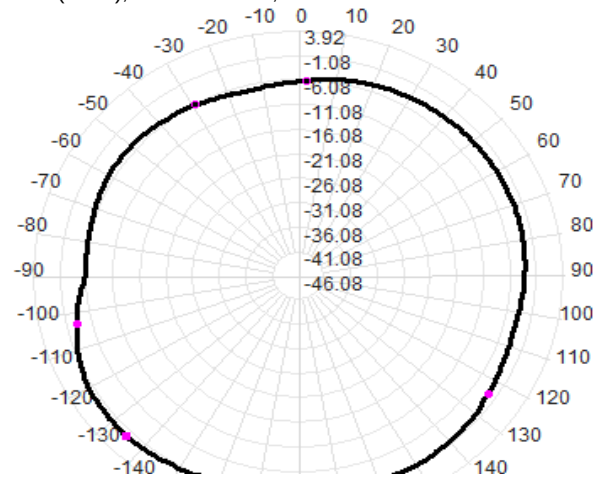
2420.0MHz Total(E2-YZ), Max= 1.00dBi

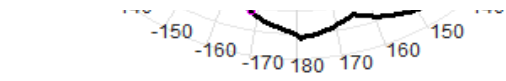


Total(H-XY), Max= -0.25dBi, CirD=7.01

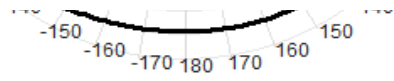
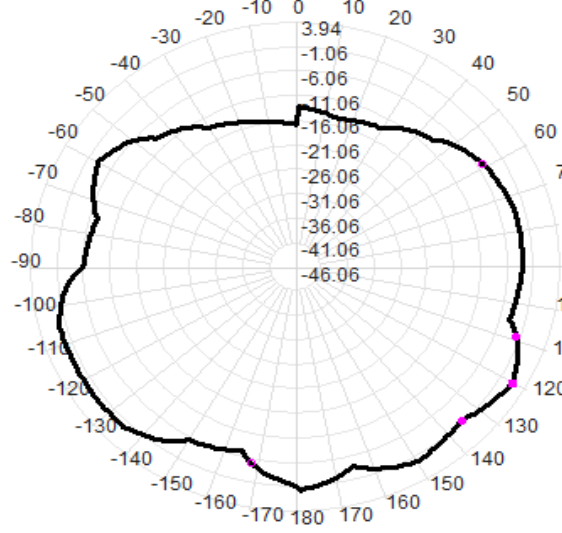


Total(H-XY), Max= -0.12dBi, CirD=7.12

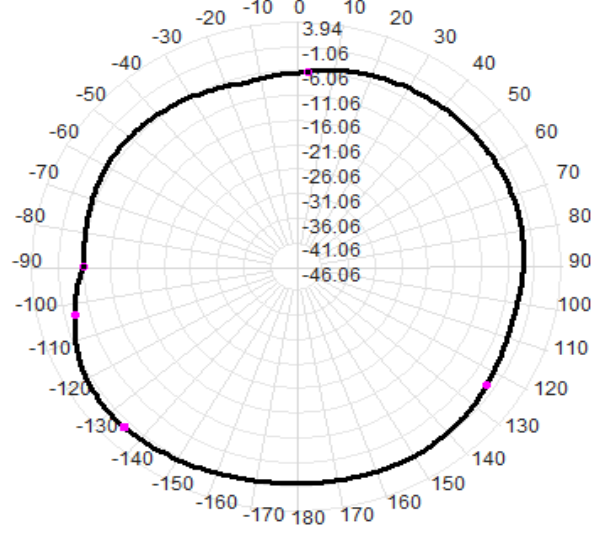




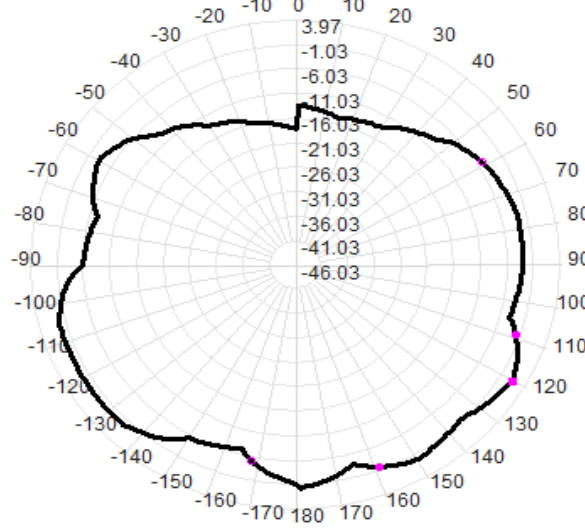
2425.0MHz Total(E2-YZ), Max= 1.00dBi



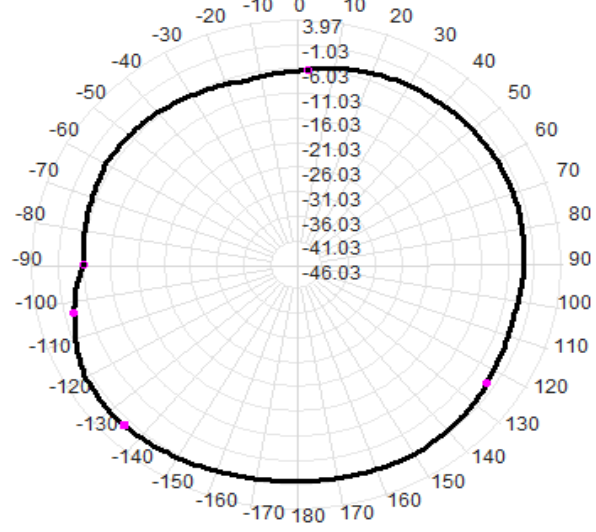
Total(H-XY), Max= -0.04dBi, CirD=7.22



2430.0MHz Total(E2-YZ), Max= 0.98dBi



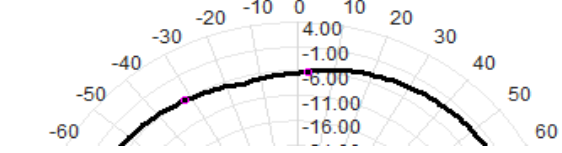
Total(H-XY), Max= 0.02dBi, CirD=7.29

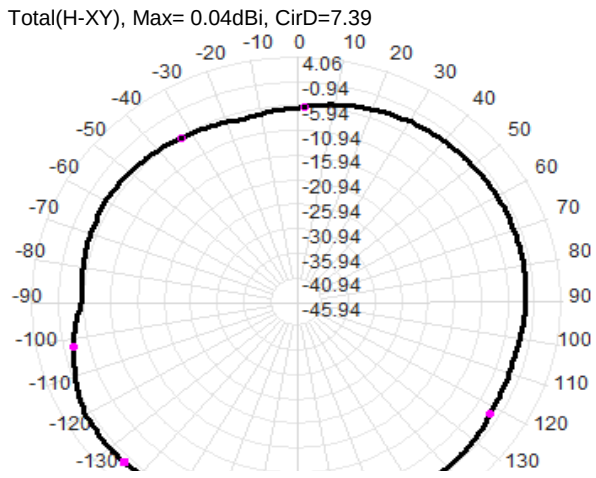
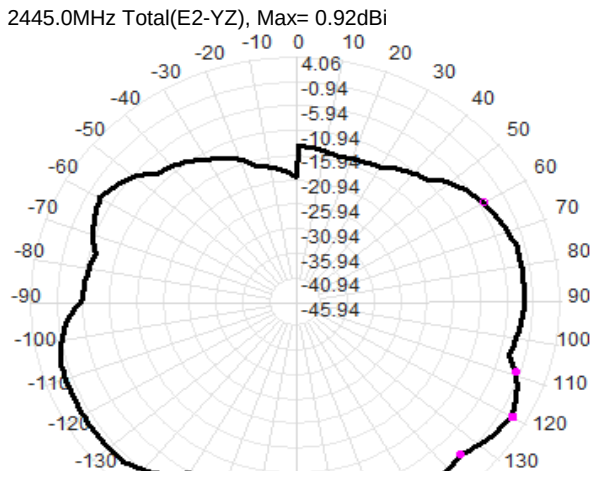
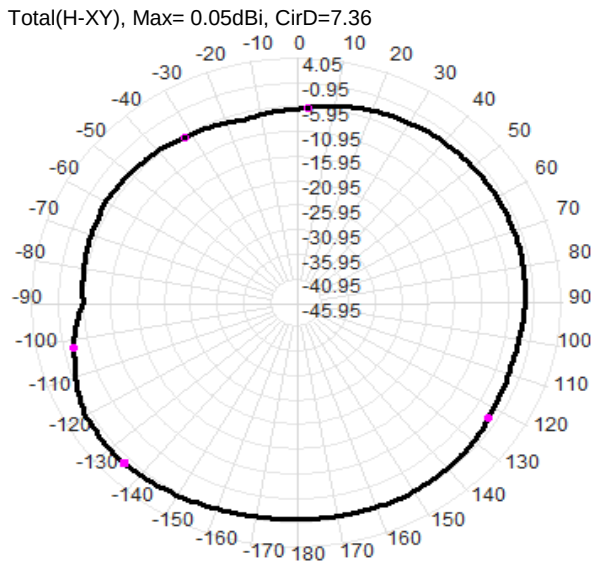
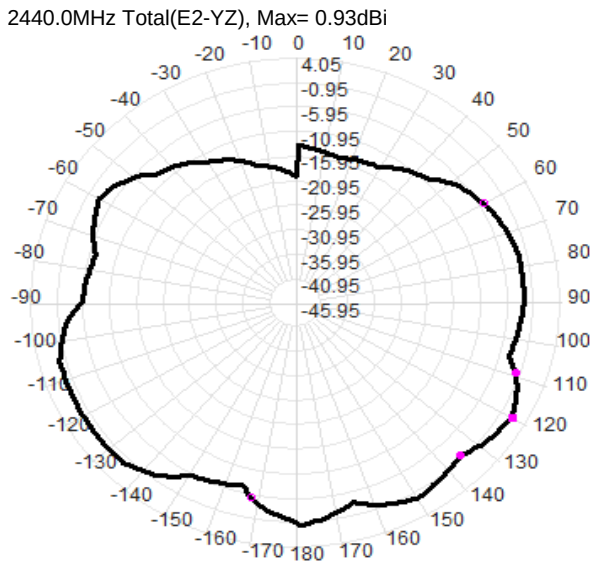
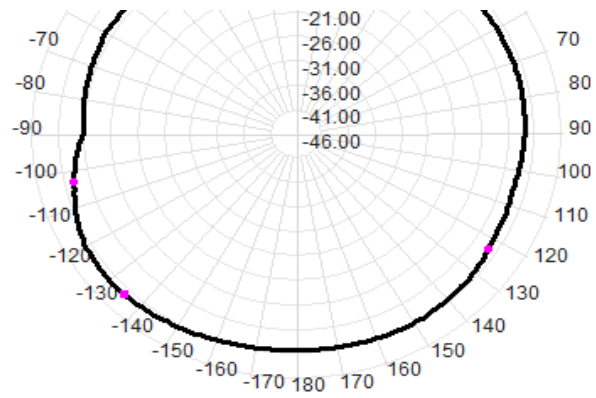
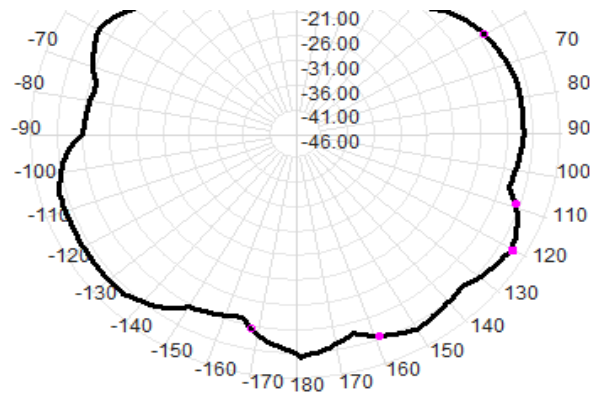


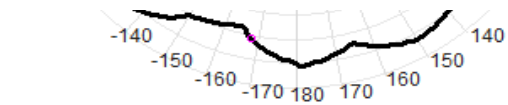
2435.0MHz Total(E2-YZ), Max= 0.95dBi



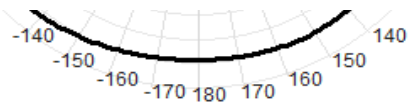
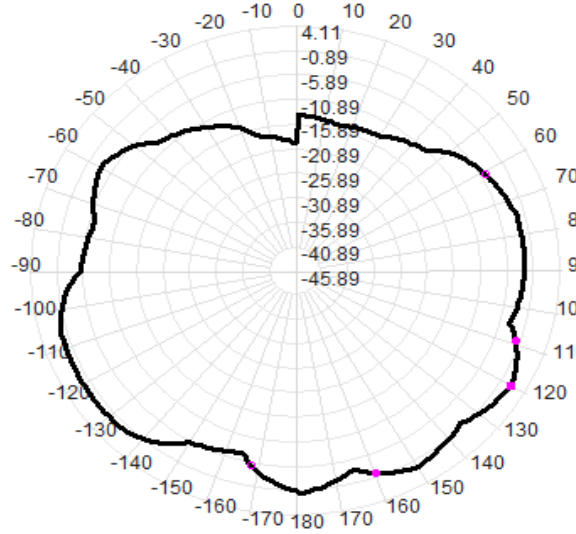
Total(H-XY), Max= 0.05dBi, CirD=7.34



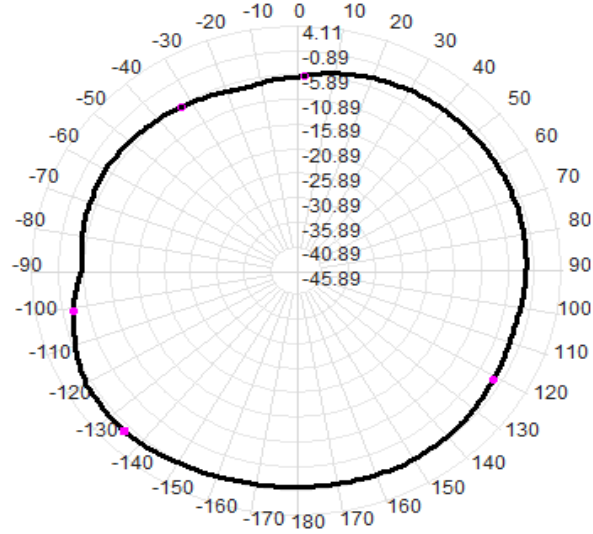




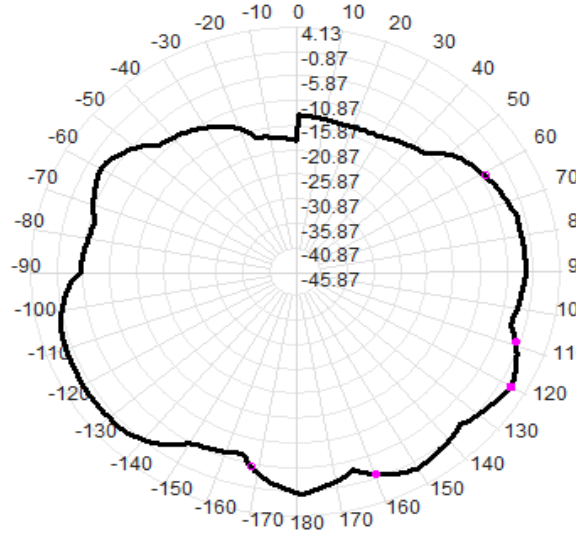
2450.0MHz Total(E2-YZ), Max= 0.94dBi



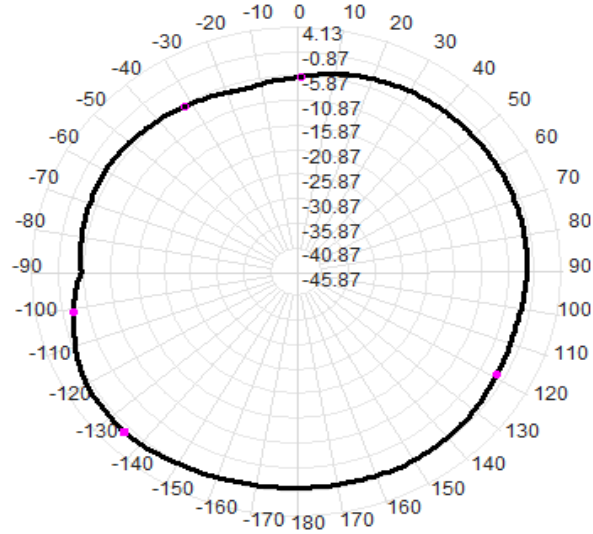
Total(H-XY), Max= 0.04dBi, CirD=7.39



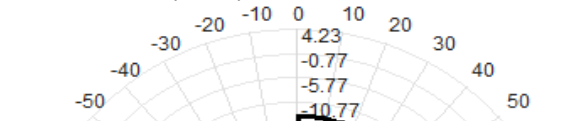
2455.0MHz Total(E2-YZ), Max= 0.91dBi



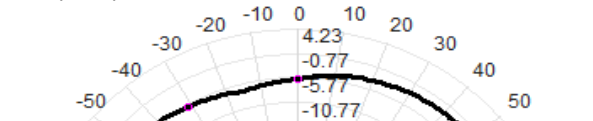
Total(H-XY), Max= 0.01dBi, CirD=7.36

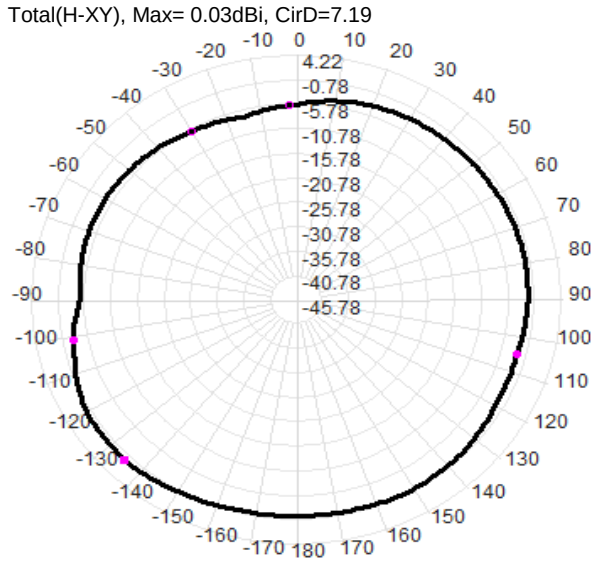
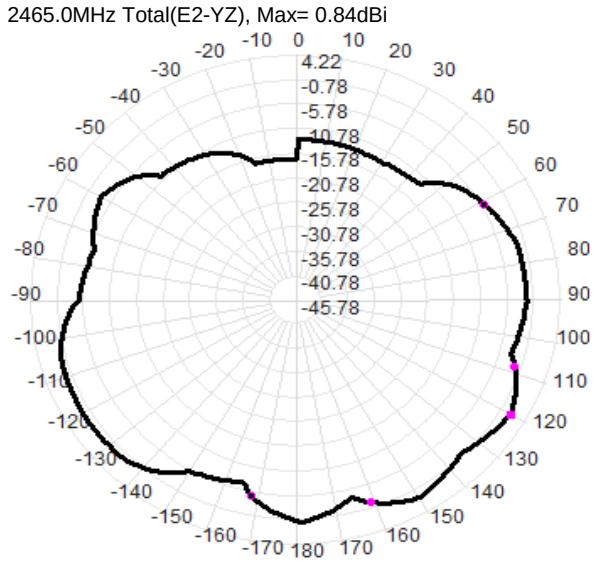
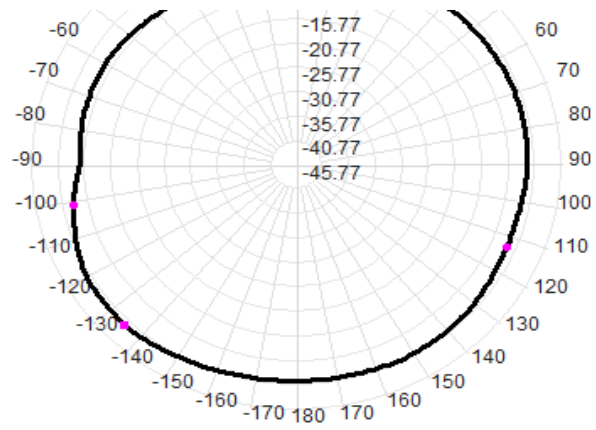
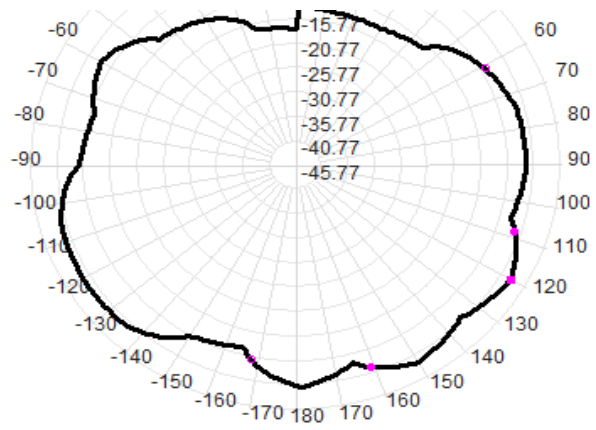


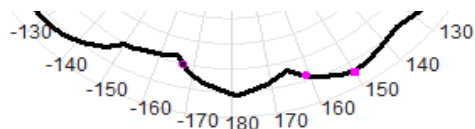
2460.0MHz Total(E2-YZ), Max= 0.93dBi



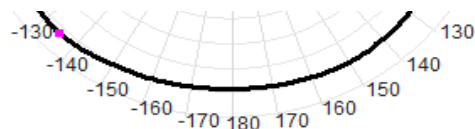
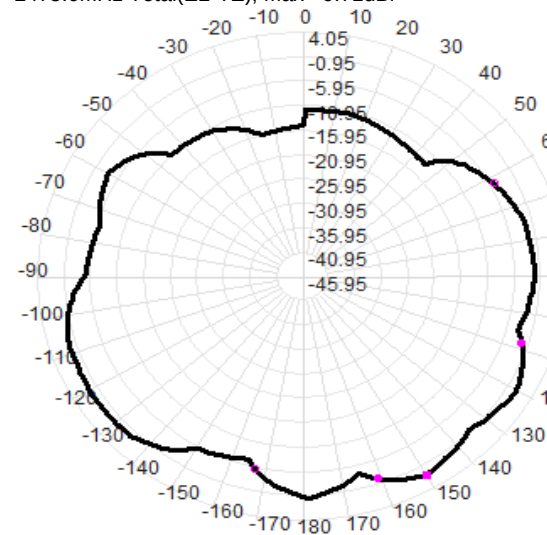
Total(H-XY), Max= 0.05dBi, CirD=7.27



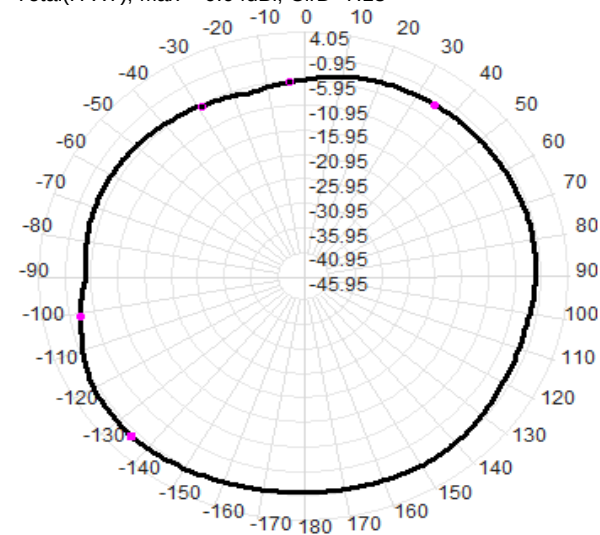




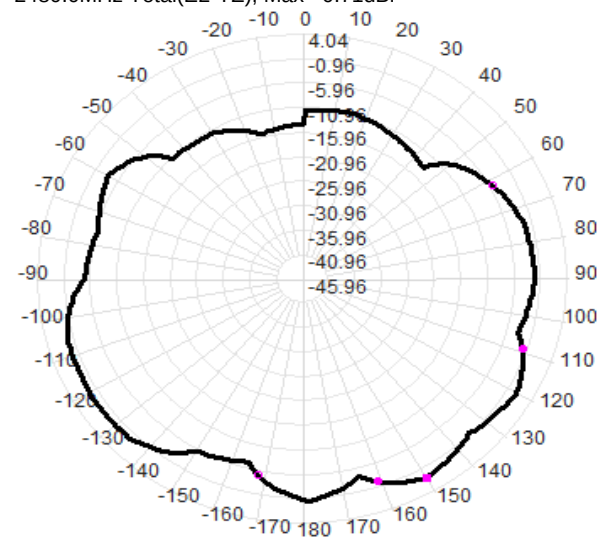
2475.0MHz Total(E2-YZ), Max= 0.71dBi



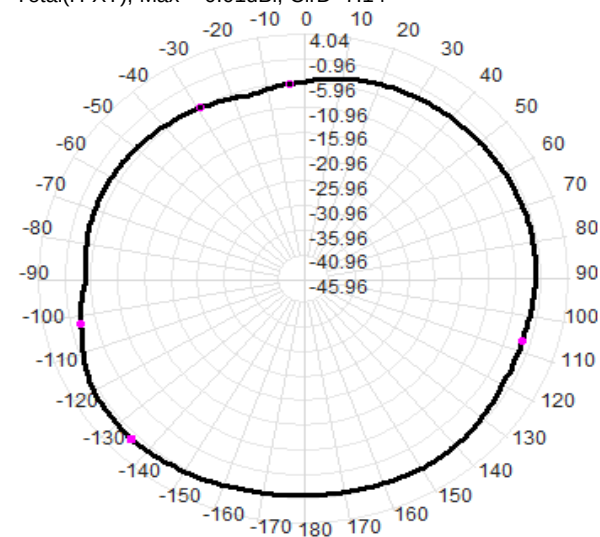
Total(H-XY), Max= -0.04dBi, CirD=7.13



2480.0MHz Total(E2-YZ), Max= 0.71dBi



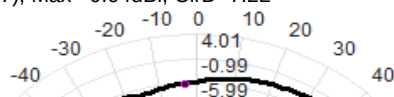
Total(H-XY), Max= -0.01dBi, CirD=7.14

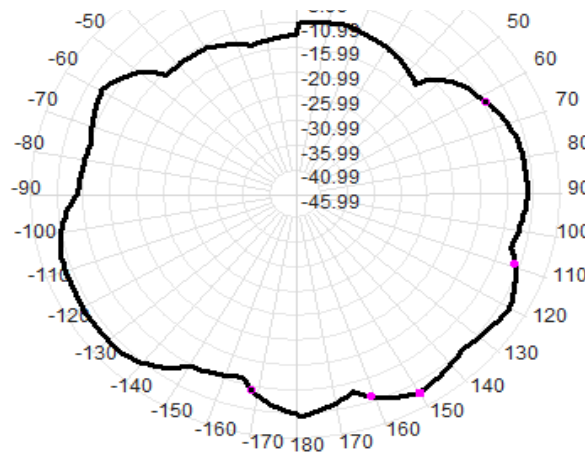


2485.0MHz Total(E2-YZ), Max= 0.67dBi

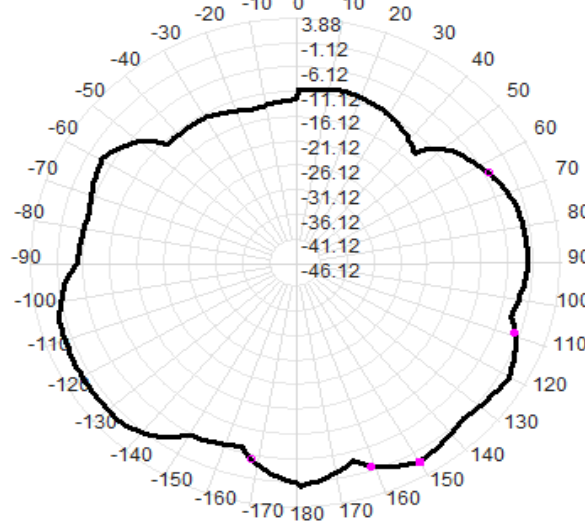


Total(H-XY), Max= 0.04dBi, CirD=7.22

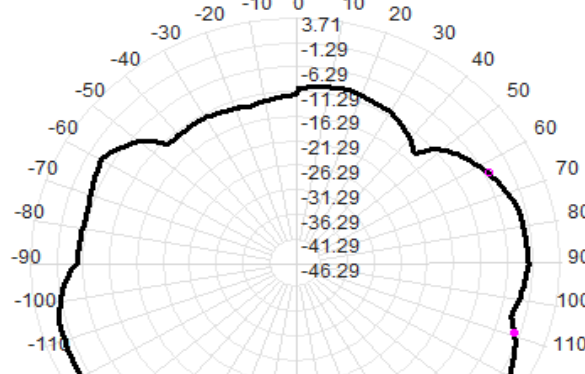




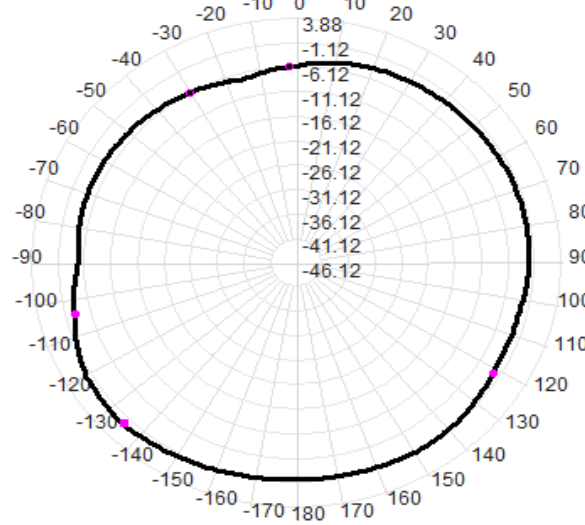
2490.0MHz Total(E2-YZ), Max= 0.55dBi



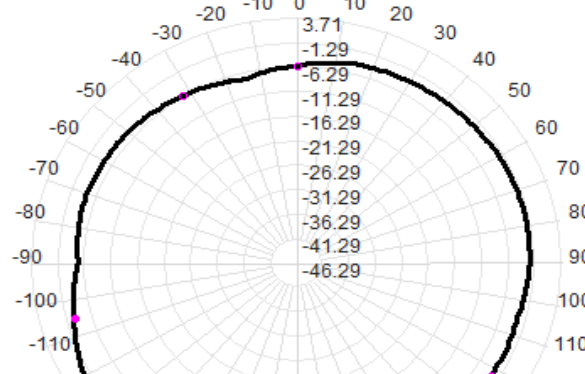
2495.0MHz Total(E2-YZ), Max= 0.41dBi

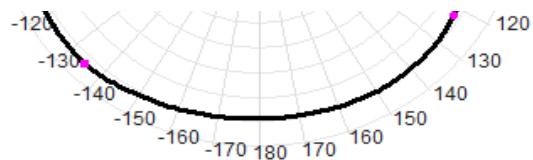
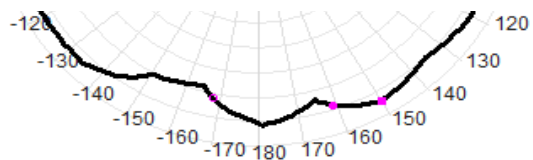


Total(H-XY), Max= 0.04dBi, CirD=7.38



Total(H-XY), Max= 0.04dBi, CirD=7.59





2500.0MHz Total(E2-YZ), Max= 0.30dBi

Total(H-XY), Max= 0.05dBi, CirD=7.81

