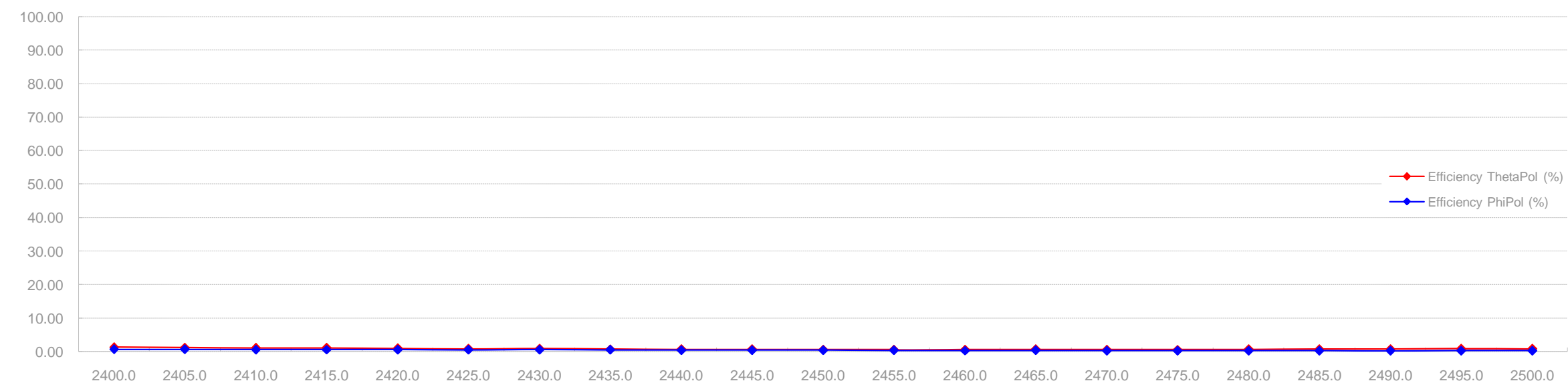
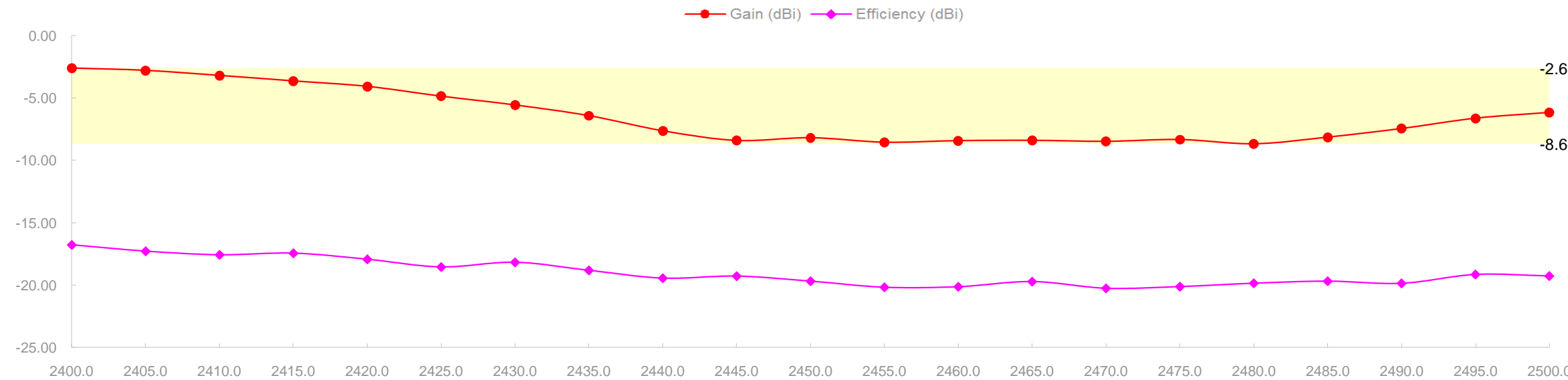
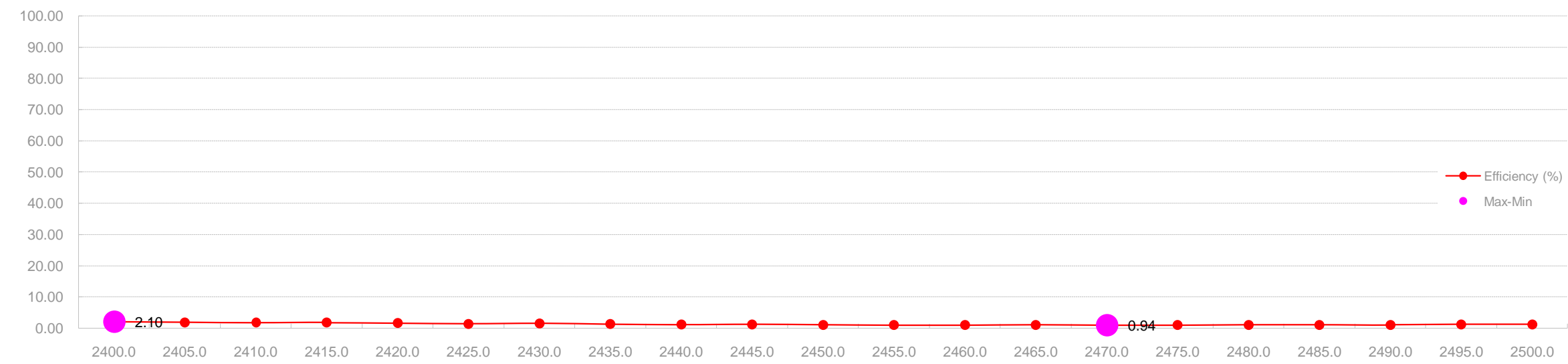
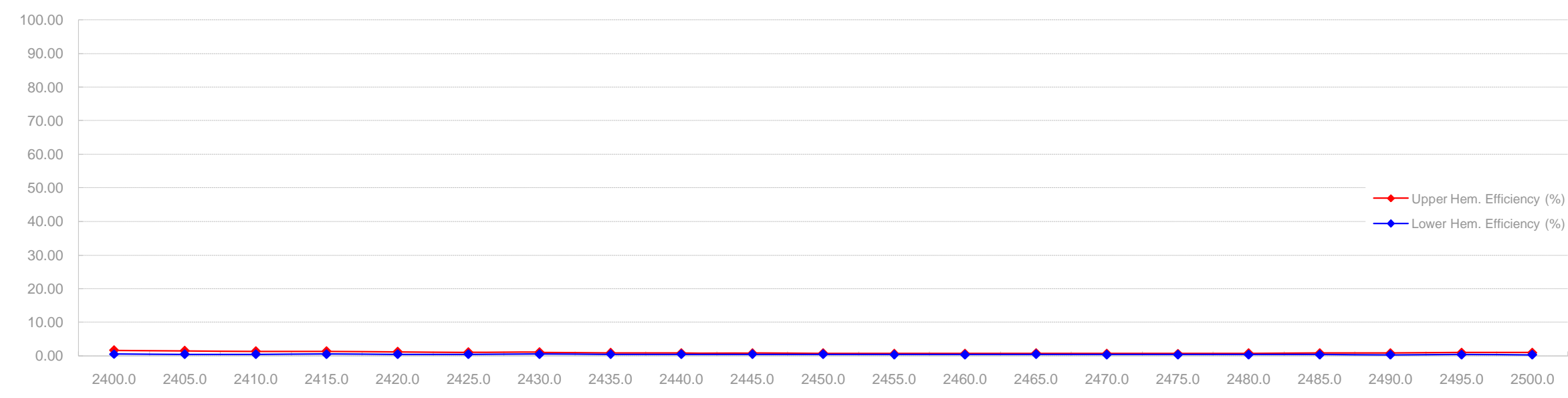


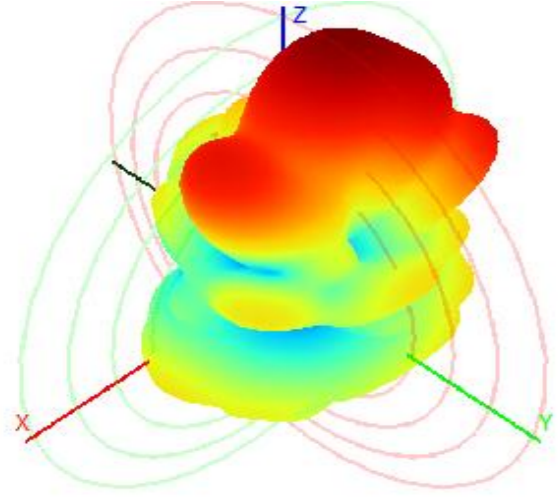
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Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (dBi)	-16.78	-17.28	-17.58	-17.44	-17.93	-18.55	-18.17	-18.82	-19.44	-19.28	-19.68	-20.17	-20.13	-19.72	-20.25	-20.12	-19.85	-19.68	-19.86	-19.15	-19.27
Gain (dBi)	-2.61	-2.80	-3.20	-3.64	-4.08	-4.86	-5.57	-6.43	-7.64	-8.41	-8.19	-8.55	-8.43	-8.40	-8.48	-8.34	-8.68	-8.15	-7.45	-6.63	-6.16
Efficiency (%)	2.10	1.87	1.75	1.80	1.61	1.40	1.52	1.31	1.14	1.18	1.08	0.96	0.97	1.07	0.94	0.97	1.04	1.08	1.03	1.22	1.18
Directivity (dB)	14.17	14.48	14.37	13.80	13.85	13.68	12.60	12.39	11.80	10.87	11.49	11.62	11.70	11.31	11.77	11.78	11.17	11.54	12.40	12.52	13.10
Peak Gain Position (Theta)	10.00	10.00	10.00	9.00	9.00	8.00	8.00	7.00	7.00	45.00	45.00	45.00	45.00	46.00	46.00	46.00	46.00	46.00	15.00	14.00	14.00
Peak Gain Position (Phi)	108.00	113.00	113.00	112.00	109.00	107.00	105.00	103.00	92.00	138.00	138.00	138.00	137.00	136.00	137.00	139.00	138.00	139.00	111.00	112.00	113.00
Efficiency ThetaPol (%)	1.37	1.21	1.12	1.15	0.98	0.86	0.93	0.80	0.68	0.71	0.64	0.59	0.61	0.69	0.62	0.65	0.72	0.77	0.76	0.90	0.88
Efficiency PhiPol (%)	0.73	0.66	0.63	0.66	0.63	0.54	0.59	0.51	0.46	0.47	0.44	0.38	0.36	0.37	0.33	0.32	0.32	0.30	0.27	0.32	0.31
Upper Hem. Efficiency (%)	1.58	1.43	1.31	1.30	1.17	1.00	1.02	0.88	0.75	0.74	0.68	0.61	0.62	0.67	0.62	0.66	0.71	0.76	0.77	0.90	0.90
Lower Hem. Efficiency (%)	0.52	0.44	0.44	0.50	0.44	0.40	0.50	0.43	0.38	0.44	0.39	0.35	0.35	0.39	0.32	0.31	0.32	0.31	0.26	0.32	0.28
T90(H)圆度	15.99	16.20	16.70	12.51	12.27	13.44	12.07	11.05	10.82	10.13	9.79	10.51	11.06	10.20	9.88	9.50	9.48	9.11	8.70	8.87	8.87
Gain 15deg (dBi)																					
E1(XZ)波瓣宽度	25.00	26.00	24.00	25.00	25.00	26.00	27.00	29.00	30.00	29.00	28.00	25.00	17.00	16.00	16.00	15.00	15.00	14.00	14.00	15.00	32.00
E1(XZ)前后比	9.35	10.04	9.85	8.75	9.13	8.67	7.20	7.21	6.42	5.32	5.49	5.85	5.97	5.89	6.85	7.34	7.69	7.96	8.49	8.21	8.34
E2(YZ)波瓣宽度	19.00	18.00	18.00	17.00	18.00	18.00	18.00	18.00	18.00	19.00	22.00	29.00	33.00	33.00	29.00	26.00	25.00	25.00	24.00	23.00	22.00
E2(YZ)前后比	12.38	12.79	12.25	11.09	11.51	11.10	9.54	9.40	8.81	7.30	7.02	6.79	6.04	5.78	7.92	9.10	10.10	11.42	12.50	11.96	12.49
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度最差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波瓣宽度	55.00	54.00	51.00	51.00	47.00	49.00	52.00	43.00	42.00	39.00	48.00	56.00	61.00	49.00	73.00	74.00	78.00	78.00	81.00	72.00	72.00
Hc(XY)前后比	6.56	5.33	5.83	6.19	6.13	6.16	5.53	5.50	5.62	5.90	5.38	4.56	4.10	4.41	3.70	3.55	3.45	3.35	3.65	4.18	3.76
Empty																					

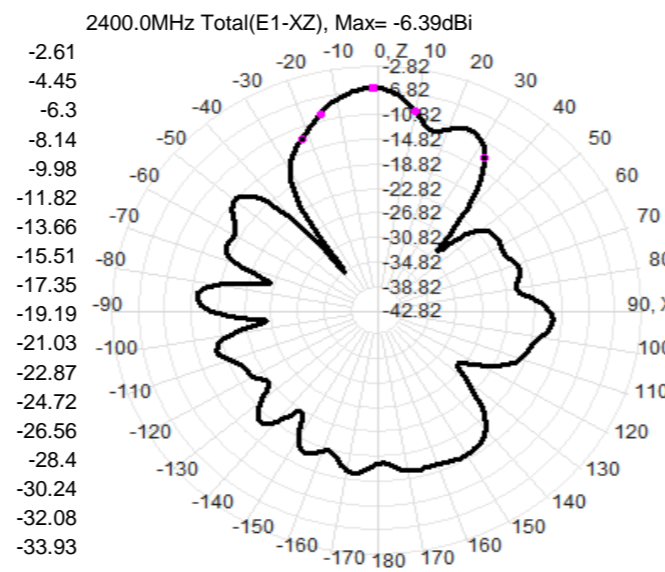
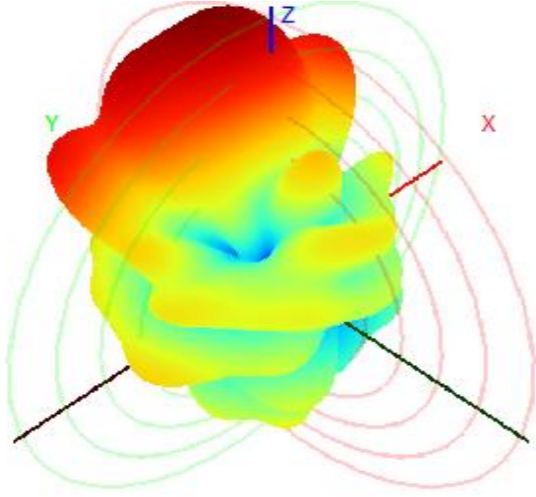




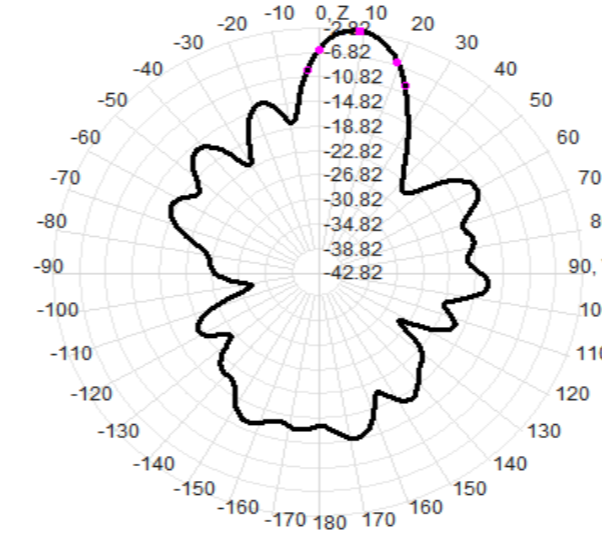
2400.0MHz H+V, Eff: 2.1%



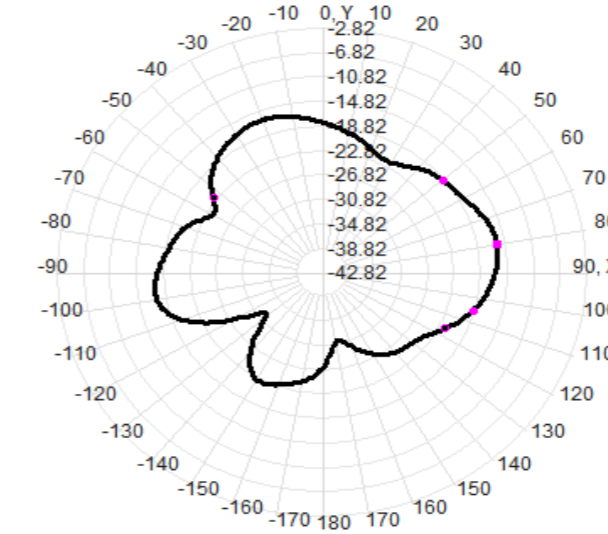
Back View



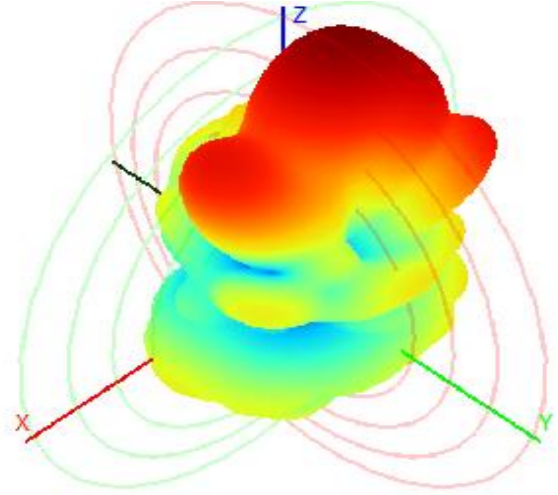
2400.0MHz Total(E2-YZ), Max=-2.82dB



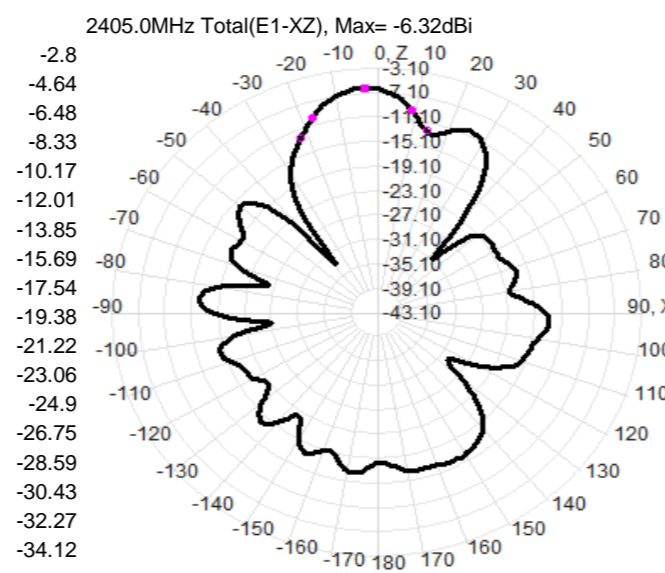
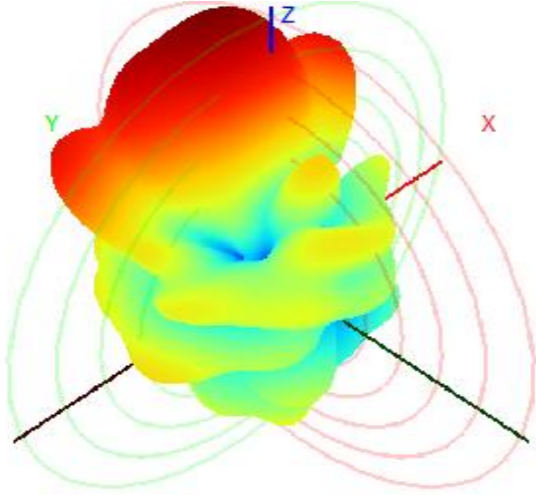
Total(H-XY), Max=-16.19dB, CirD=15.99



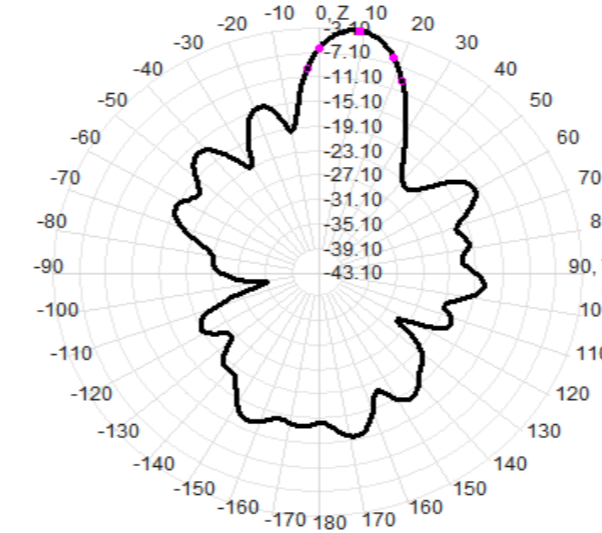
2405.0MHz H+V, Eff: 1.9%



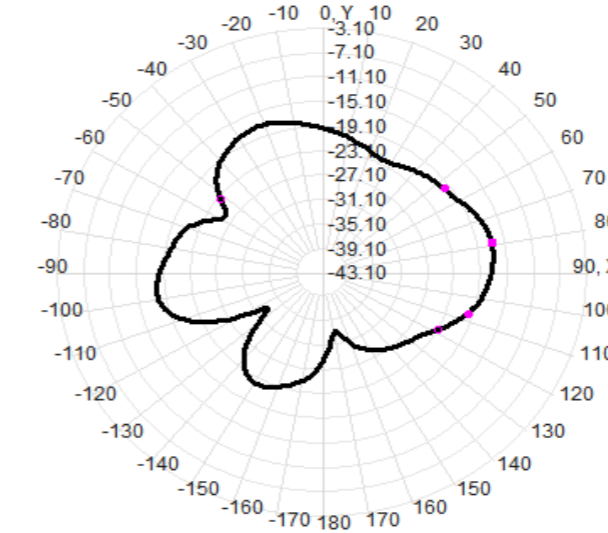
Back View



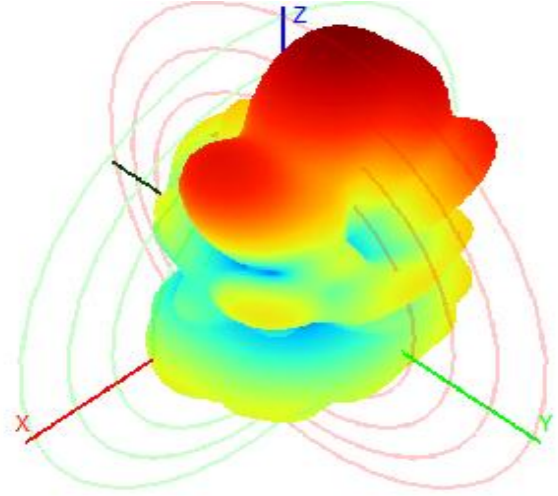
2405.0MHz Total(E2-YZ), Max=-3.10dB



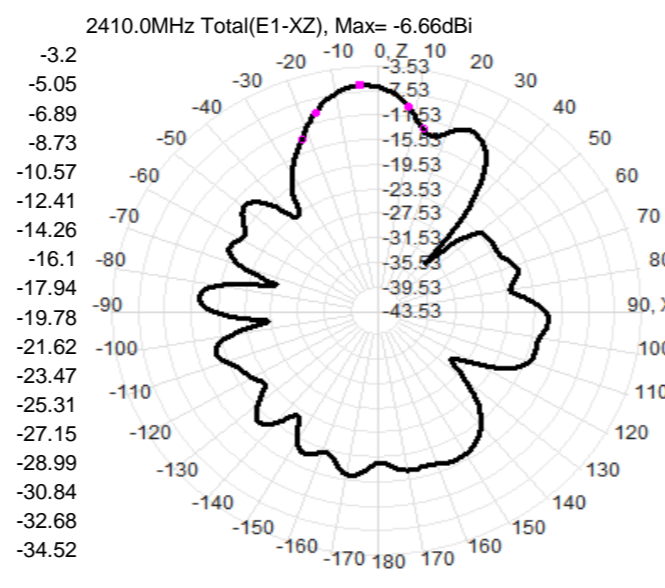
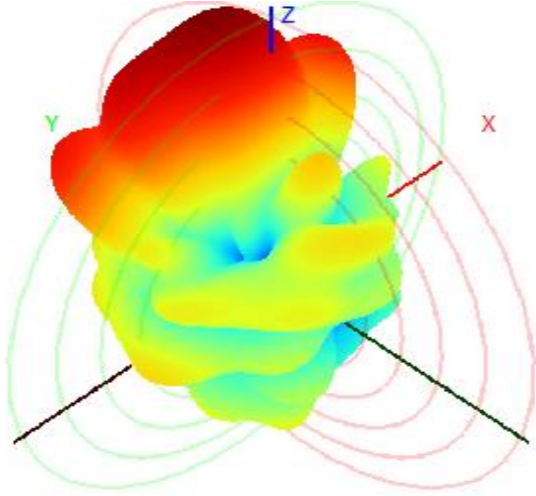
Total(H-XY), Max=-17.16dB, CirD=16.20



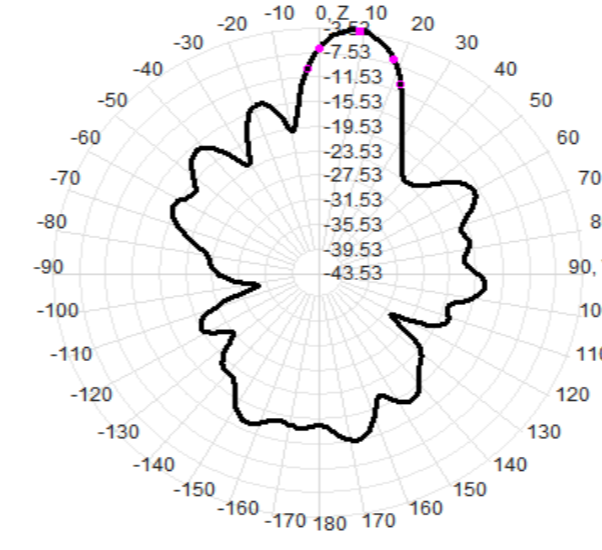
2410.0MHz H+V, Eff: 1.7%



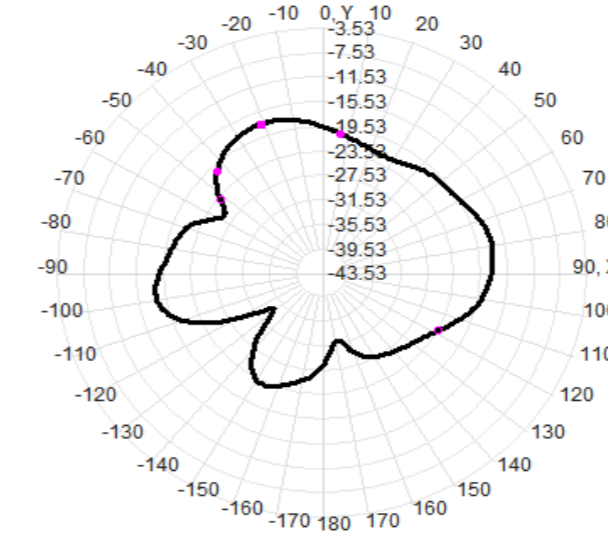
Back View



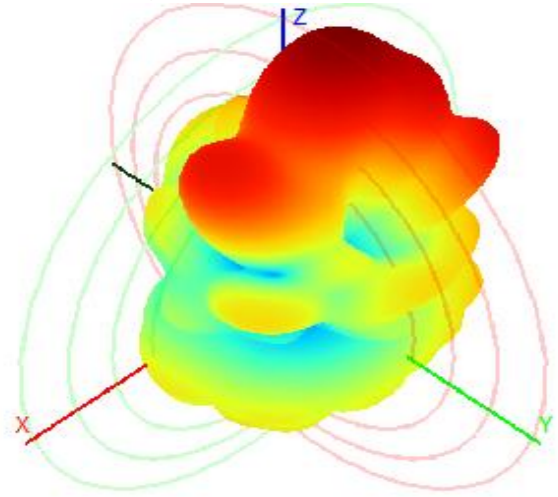
2410.0MHz Total(E2-YZ), Max=-3.53dB



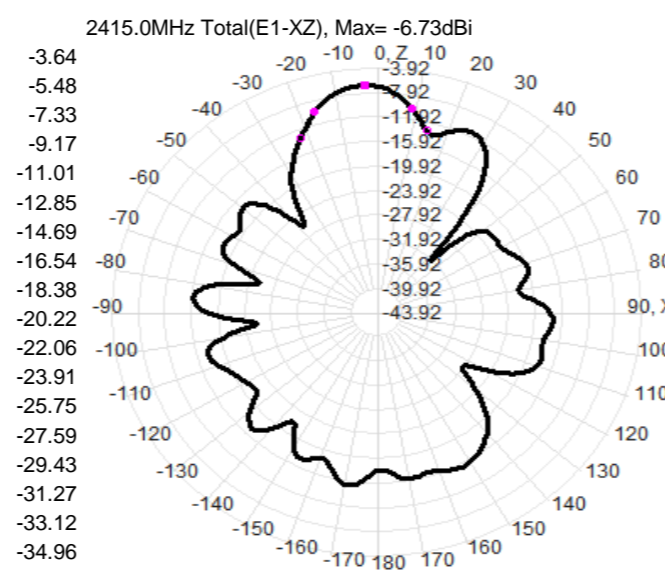
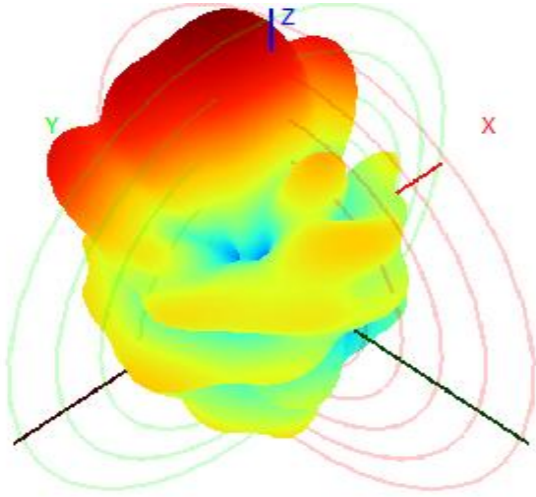
Total(H-XY), Max=-17.51dB, CirD=16.70



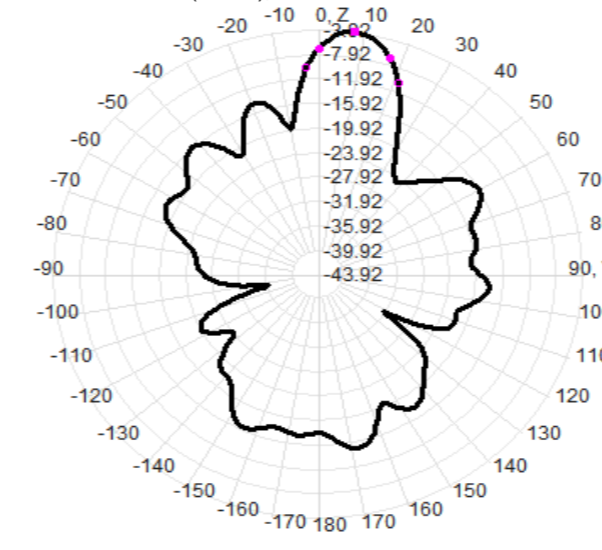
2415.0MHz H+V, Eff: 1.8%



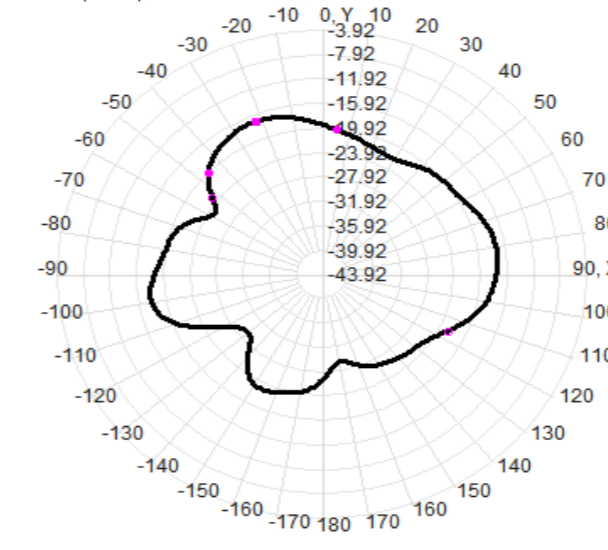
Back View



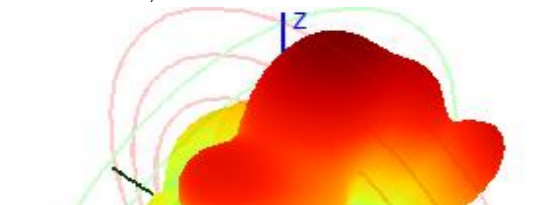
2415.0MHz Total(E2-YZ), Max=-3.92dB



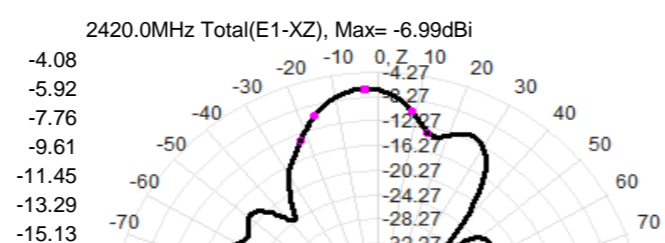
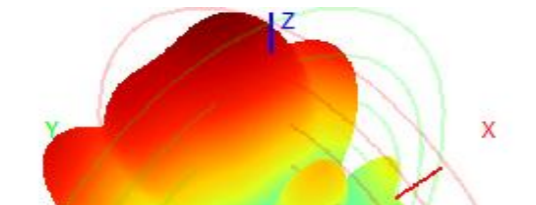
Total(H-XY), Max=-16.98dB, CirD=12.51



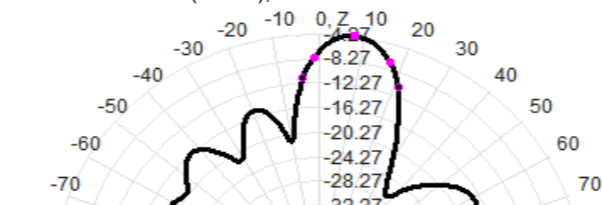
2420.0MHz H+V, Eff: 1.6%



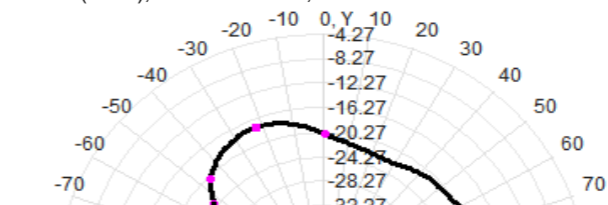
Back View

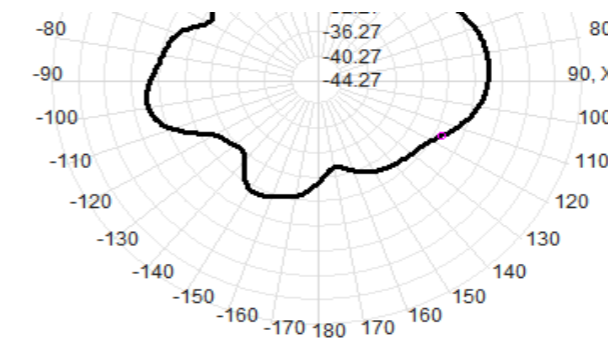
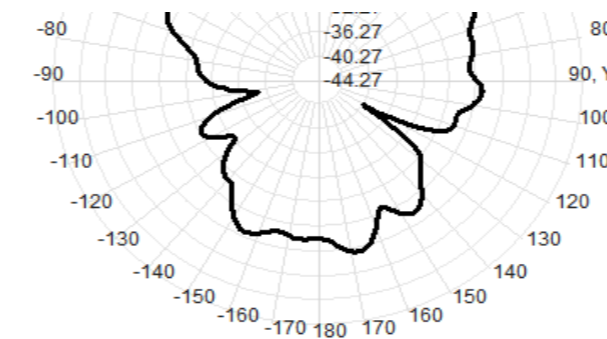
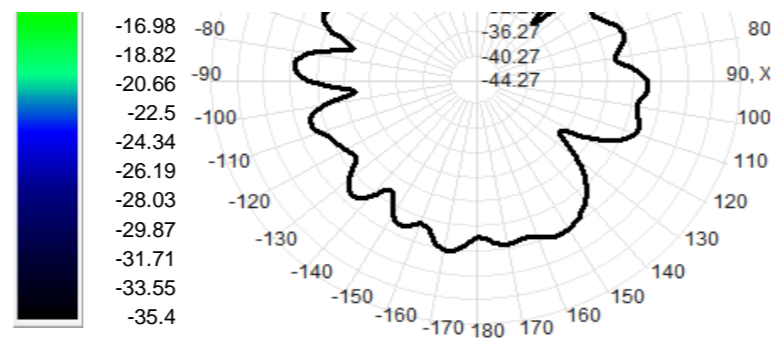
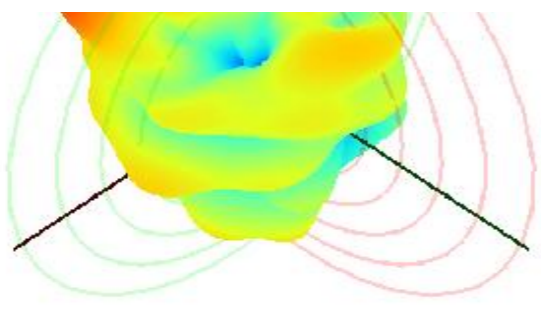
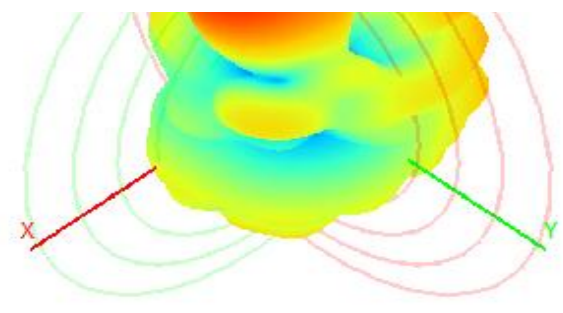


2420.0MHz Total(E2-YZ), Max=-4.27dB



Total(H-XY), Max=-17.58dB, CirD=12.27





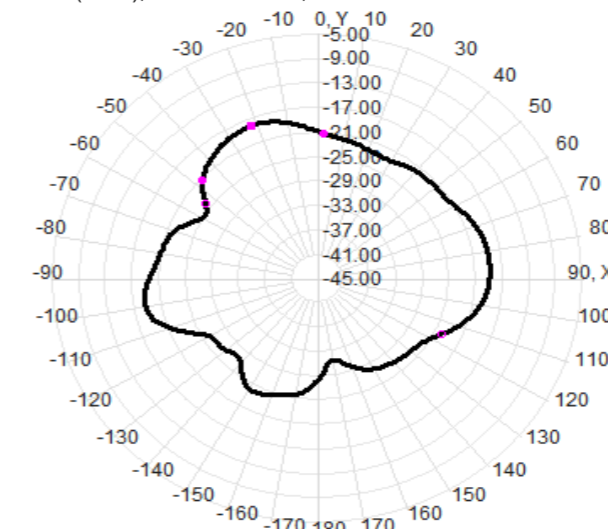
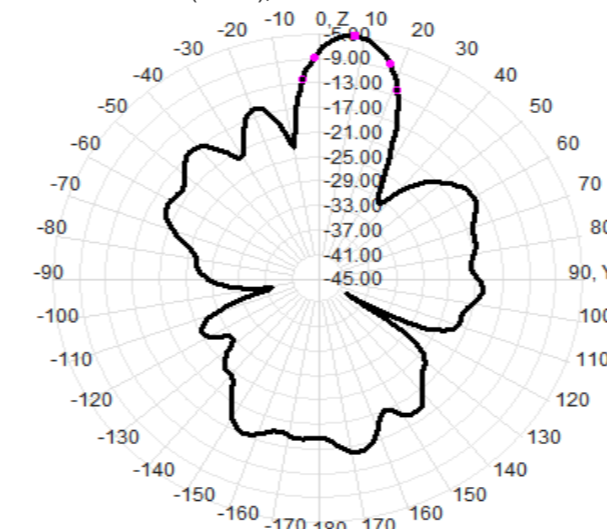
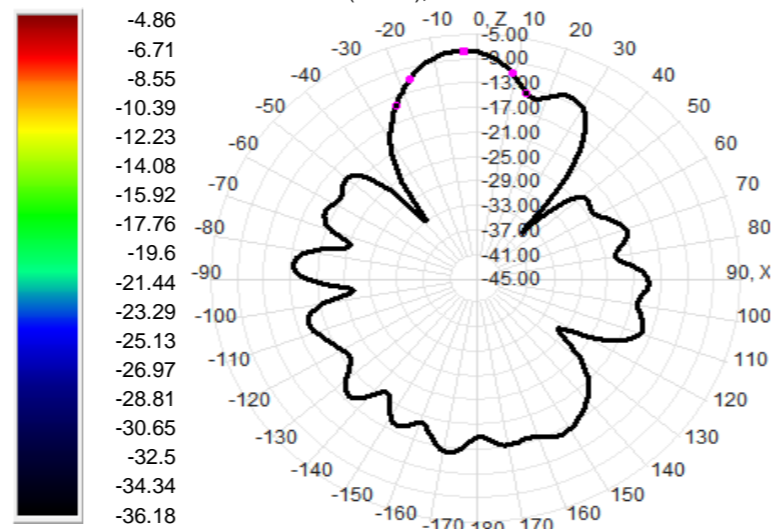
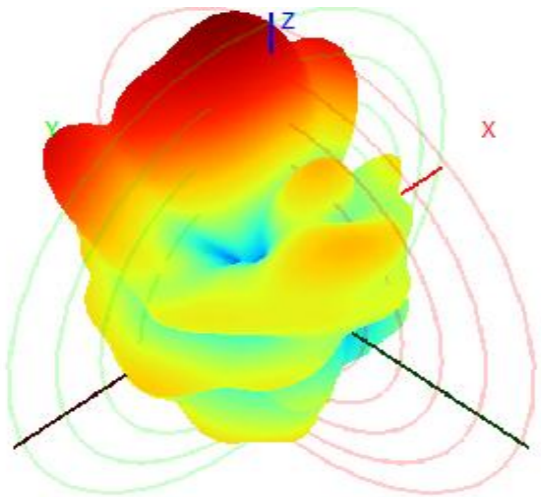
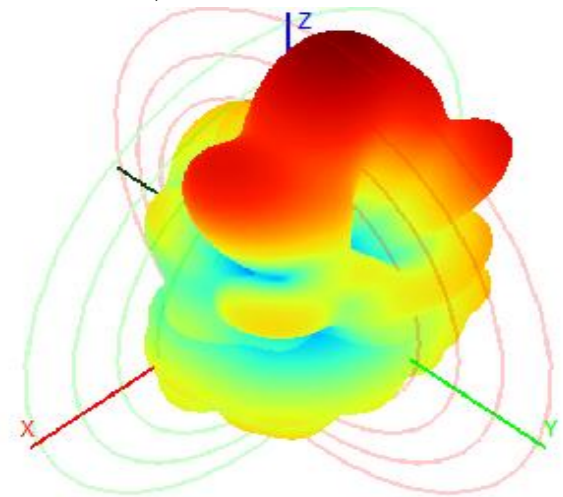
2425.0MHz H+V, Eff: 1.4%

Back View

2425.0MHz Total(E1-XZ), Max=-7.73dBi

2425.0MHz Total(E2-YZ), Max=-5.00dBi

Total(H-XY), Max=-18.11dBi, CirD=13.44



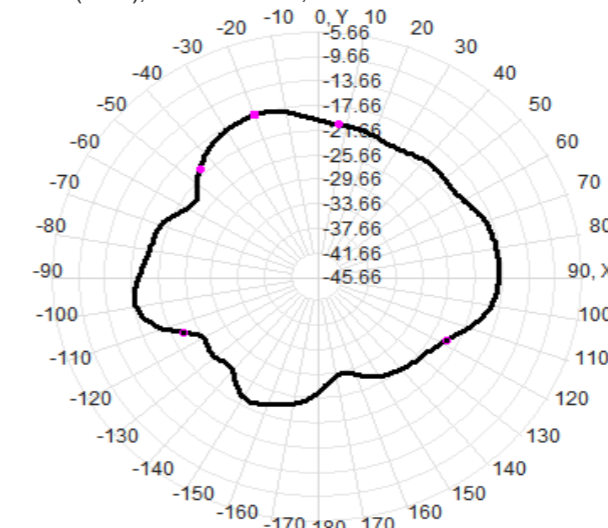
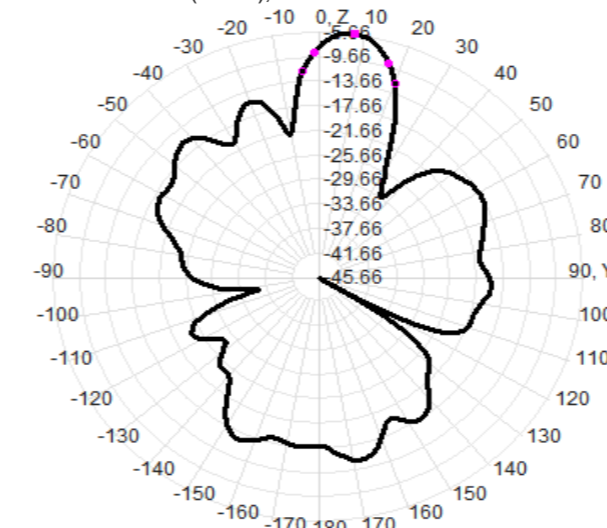
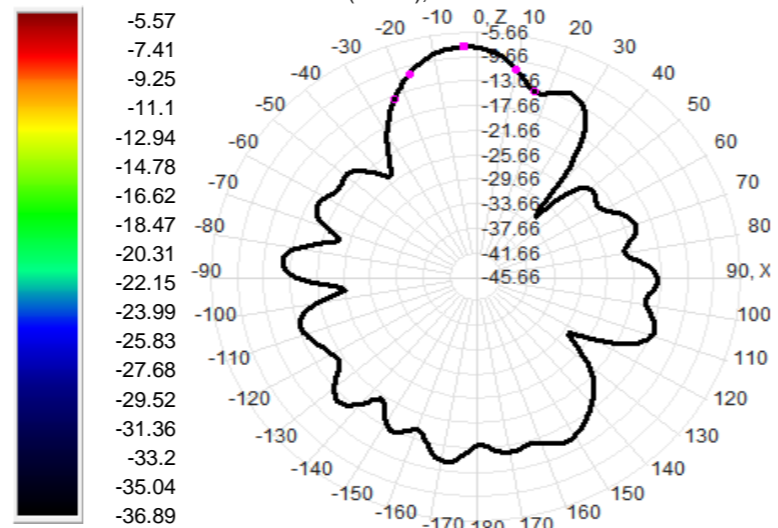
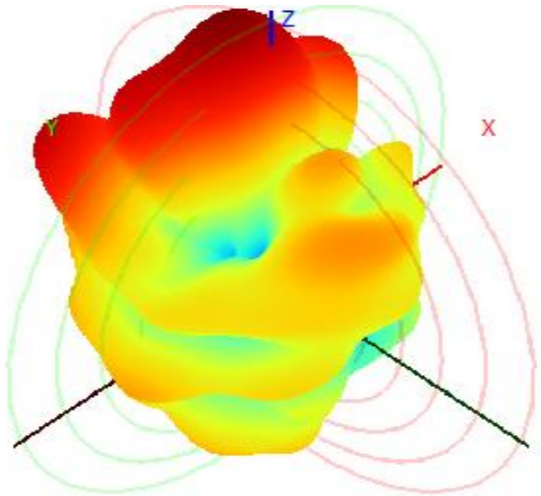
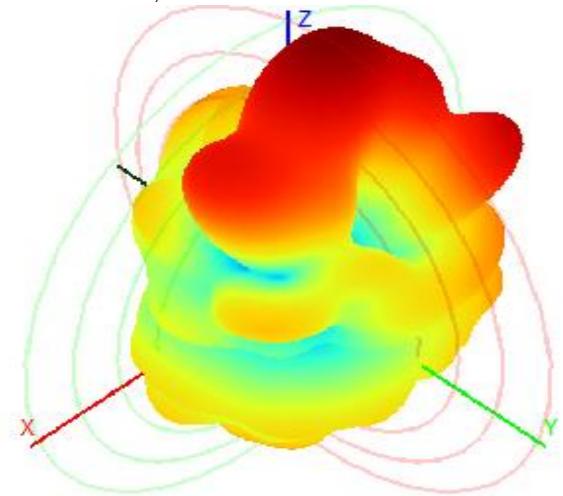
2430.0MHz H+V, Eff: 1.5%

Back View

2430.0MHz Total(E1-XZ), Max=-8.03dBi

2430.0MHz Total(E2-YZ), Max=-5.66dBi

Total(H-XY), Max=-17.55dBi, CirD=12.07



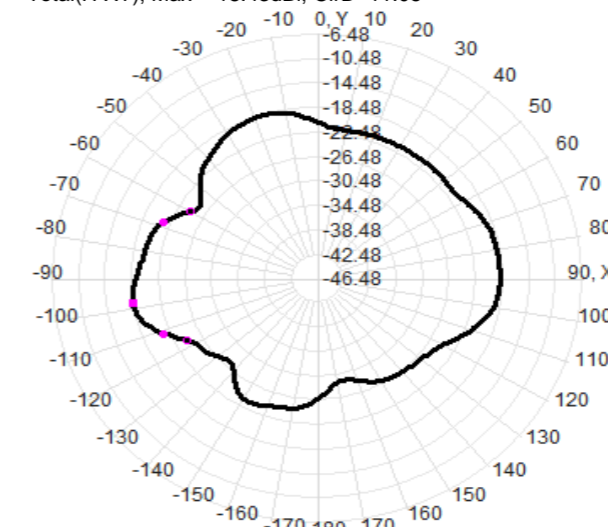
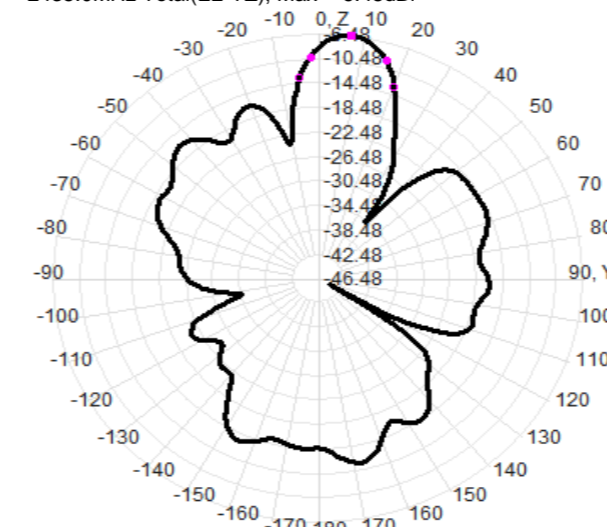
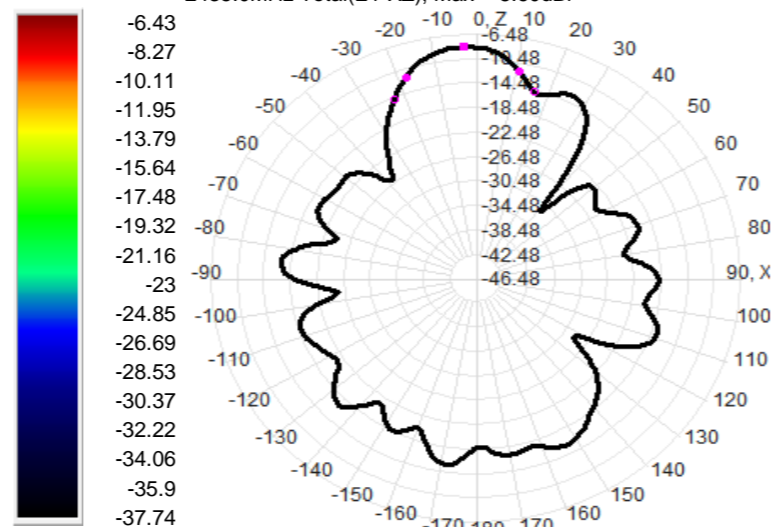
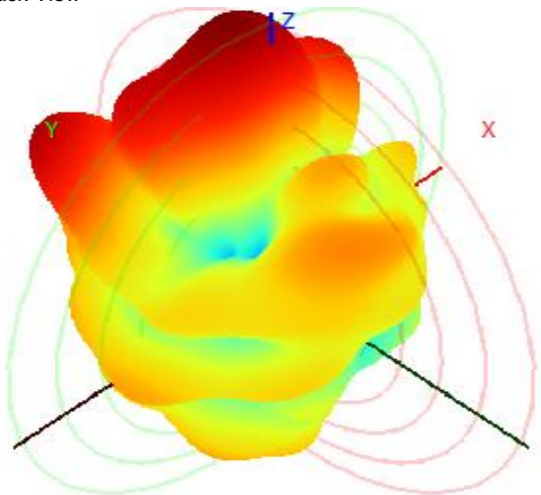
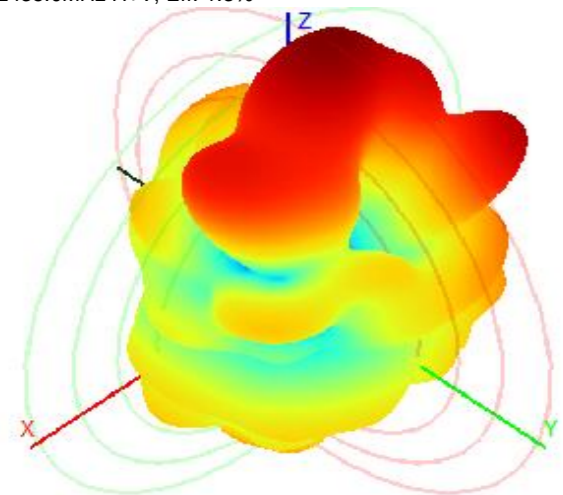
2435.0MHz H+V, Eff: 1.3%

Back View

2435.0MHz Total(E1-XZ), Max=-8.60dBi

2435.0MHz Total(E2-YZ), Max=-6.48dBi

Total(H-XY), Max=-18.43dBi, CirD=11.05



2440.0MHz H+V, Eff: 1.1%

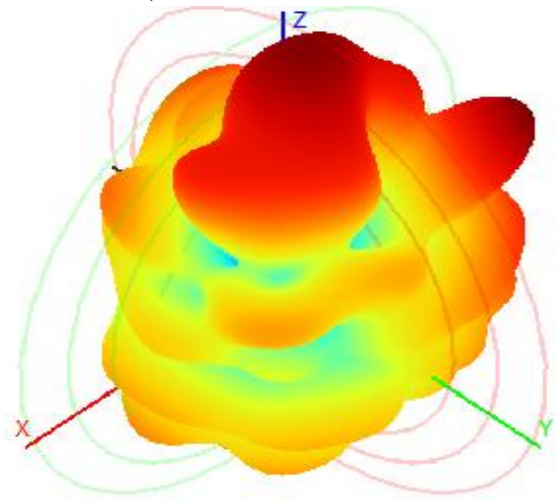
Back View

2440.0MHz Total(E1-XZ), Max=-9.81dBi

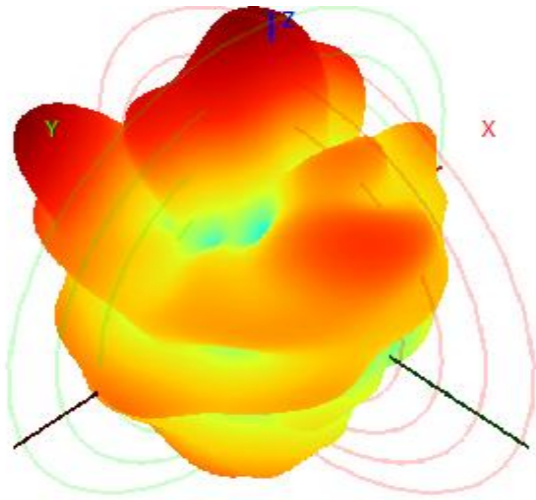
2440.0MHz Total(E2-YZ), Max=-7.64dBi

Total(H-XY), Max=-18.67dBi, CirD=10.82

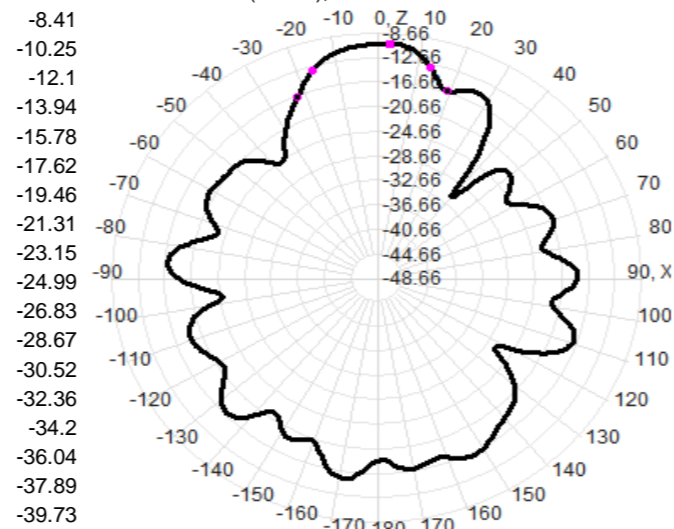
2445.0MHz H+V, Eff: 1.2%



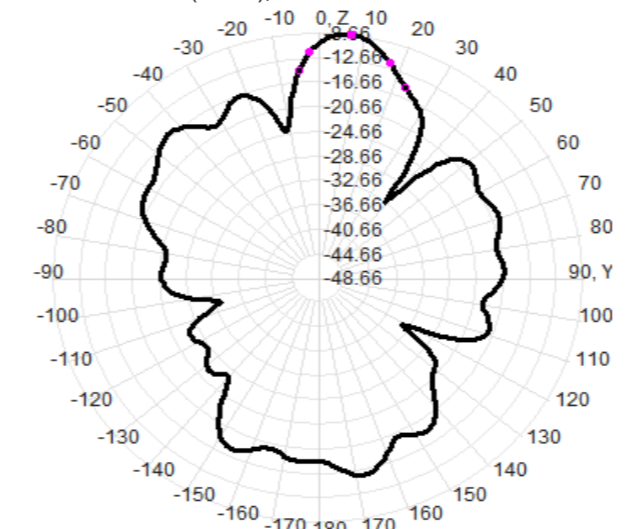
Back View



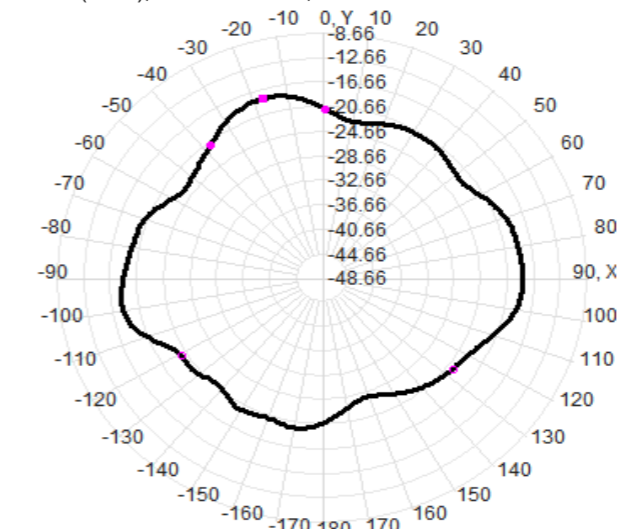
2445.0MHz Total(E1-XZ), Max=-10.33dBi



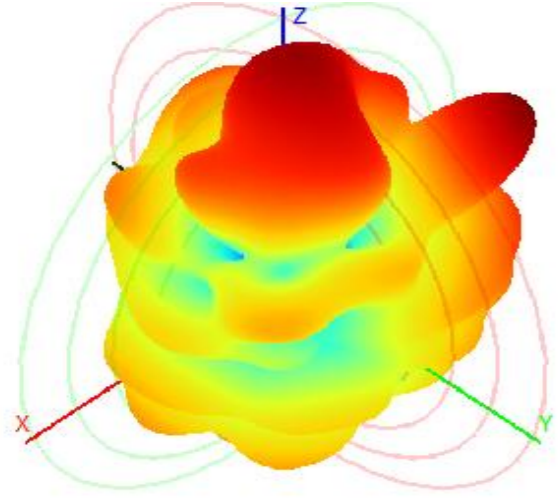
2445.0MHz Total(E2-YZ), Max=-8.66dBi



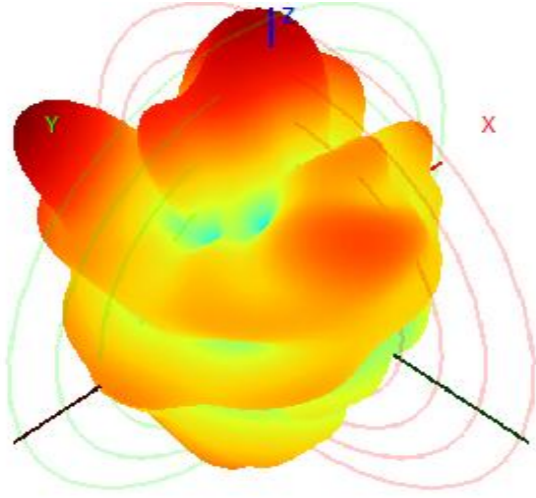
Total(H-XY), Max=-18.04dBi, CirD=10.13



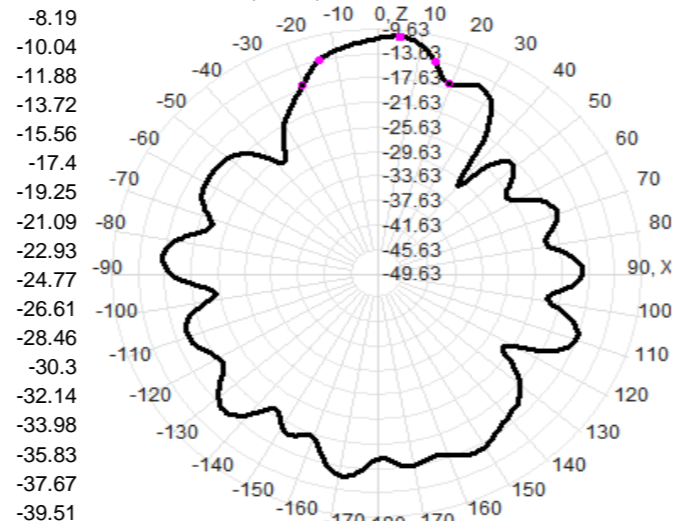
2450.0MHz H+V, Eff: 1.1%



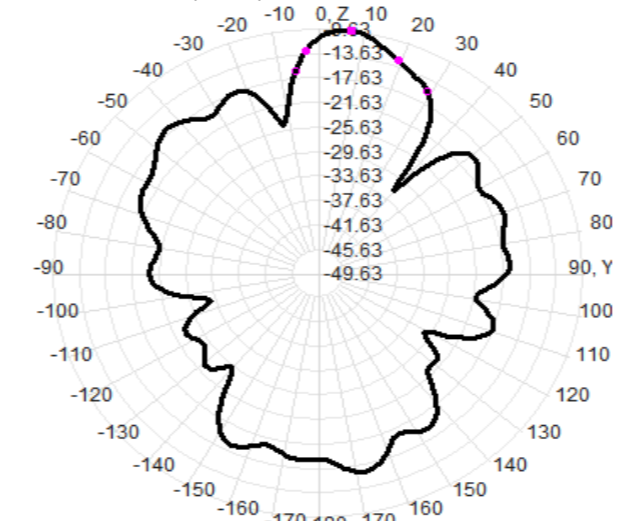
Back View



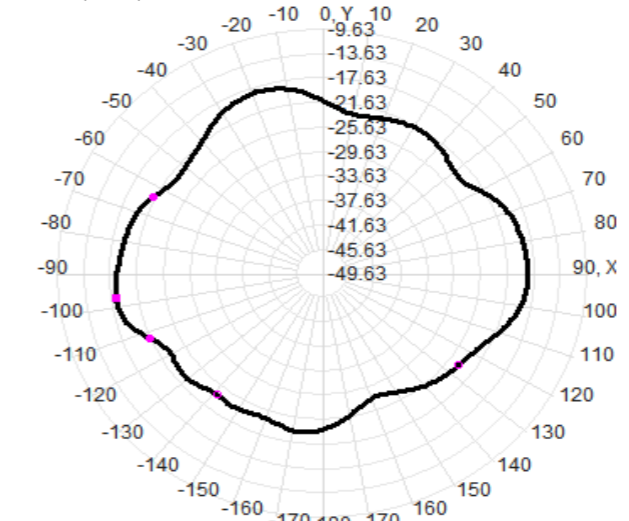
2450.0MHz Total(E1-XZ), Max=-10.71dBi



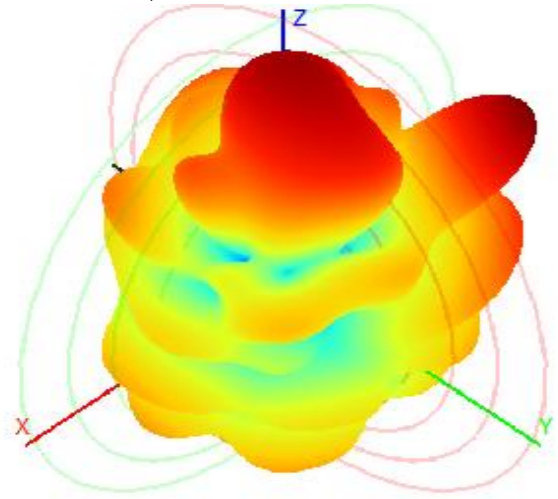
2450.0MHz Total(E2-YZ), Max=-9.63dBi



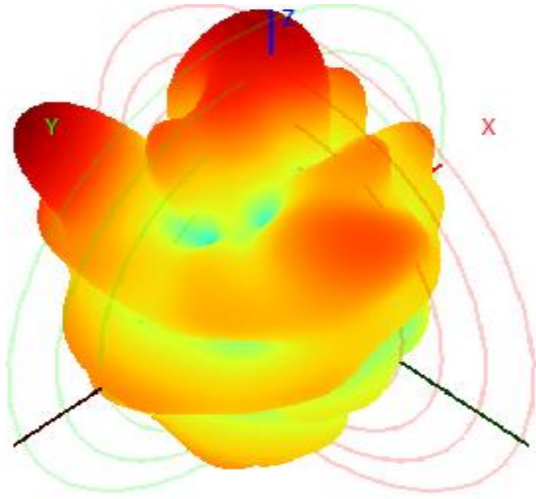
Total(H-XY), Max=-18.27dBi, CirD=9.79



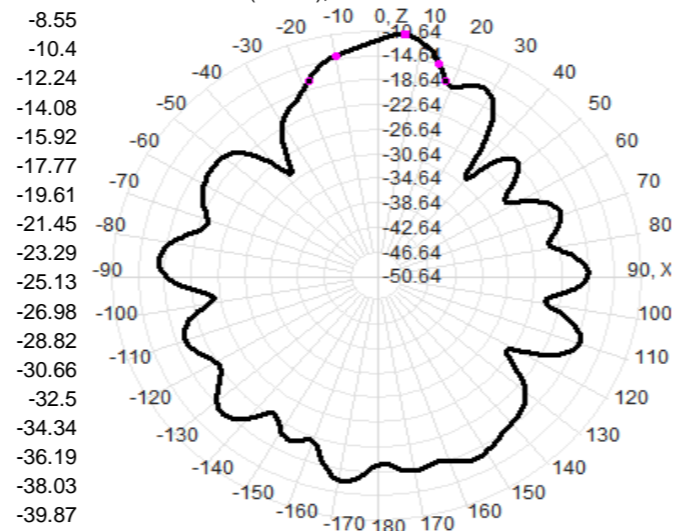
2455.0MHz H+V, Eff: 1.0%



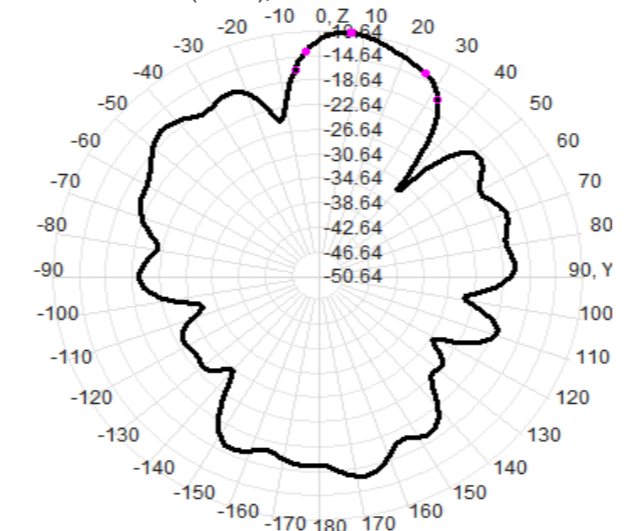
Back View



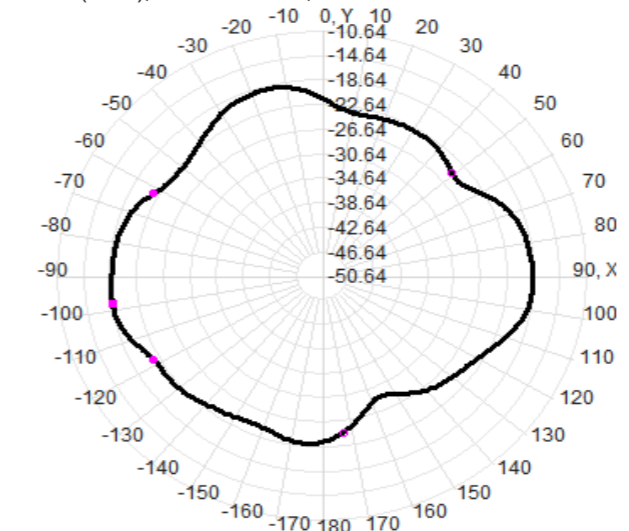
2455.0MHz Total(E1-XZ), Max=-11.06dBi



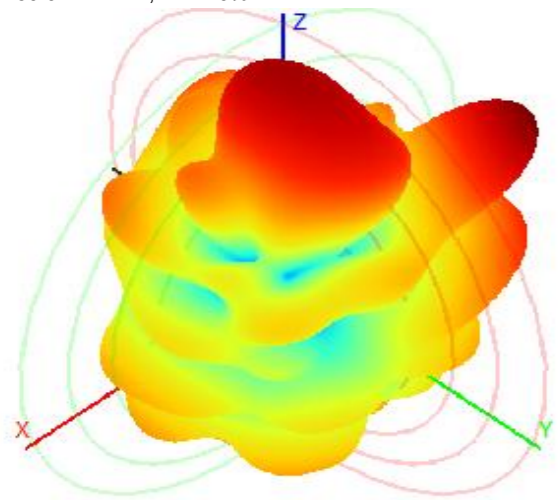
2455.0MHz Total(E2-YZ), Max=-10.64dBi



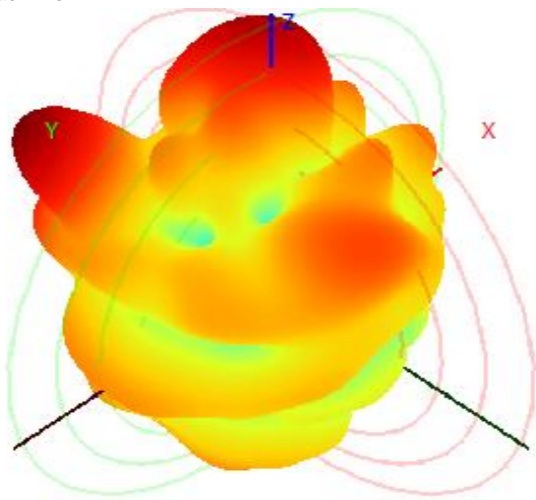
Total(H-XY), Max=-18.75dBi, CirD=10.51



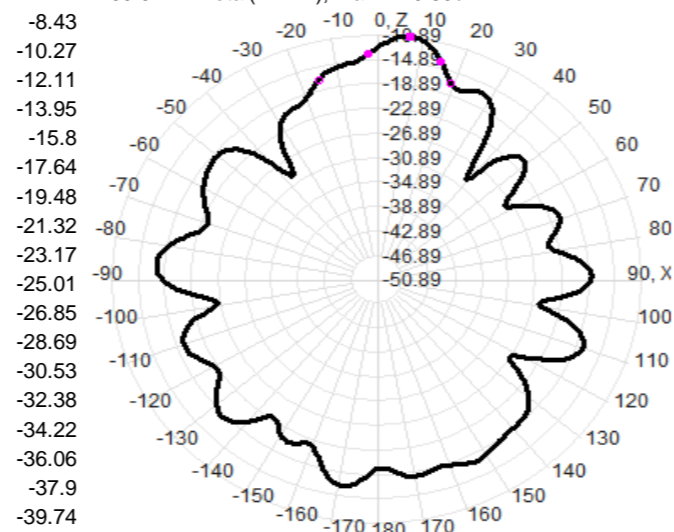
2460.0MHz H+V, Eff: 1.0%



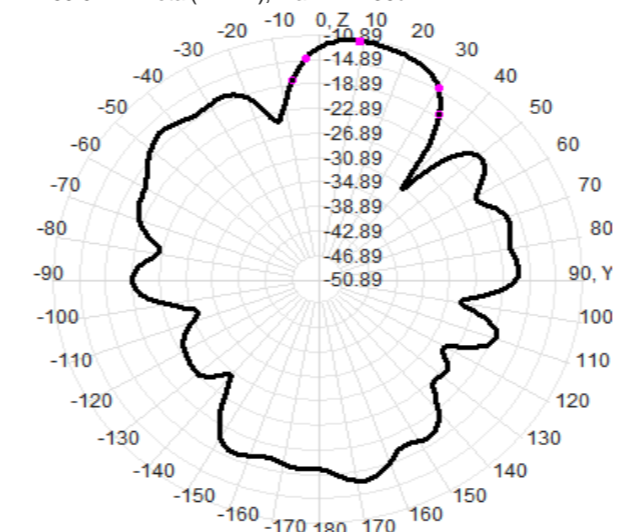
Back View



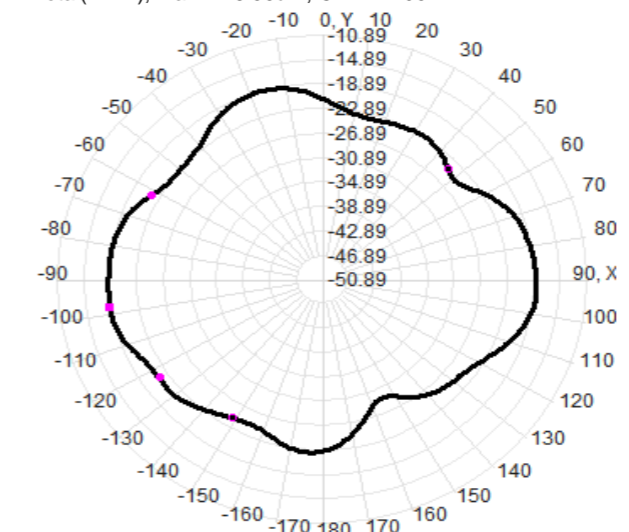
2460.0MHz Total(E1-XZ), Max=-10.89dBi



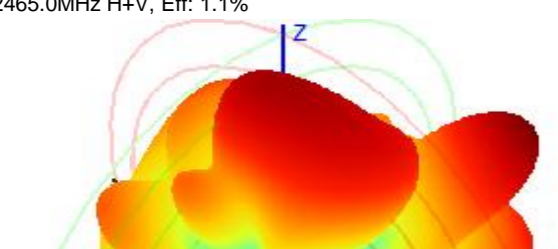
2460.0MHz Total(E2-YZ), Max=-11.36dBi



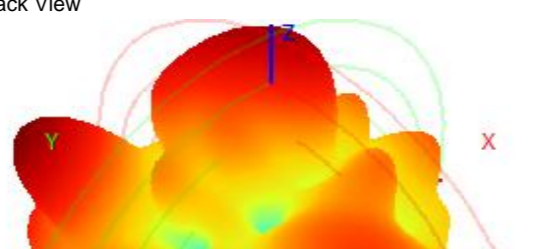
Total(H-XY), Max=-18.56dBi, CirD=11.06



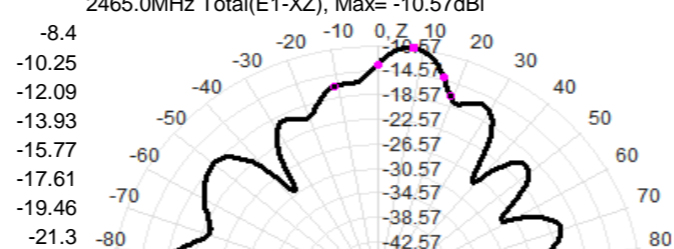
2465.0MHz H+V, Eff: 1.1%



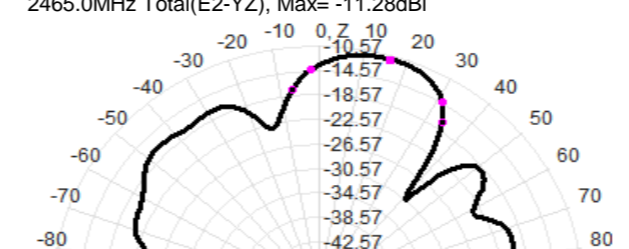
Back View



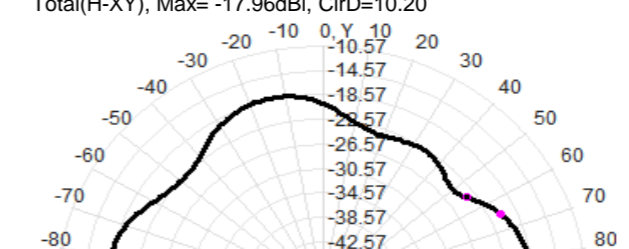
2465.0MHz Total(E1-XZ), Max=-10.57dBi

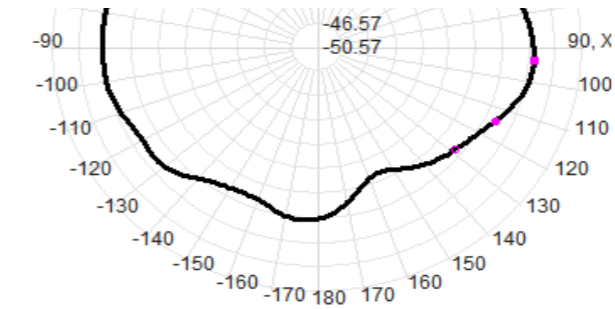
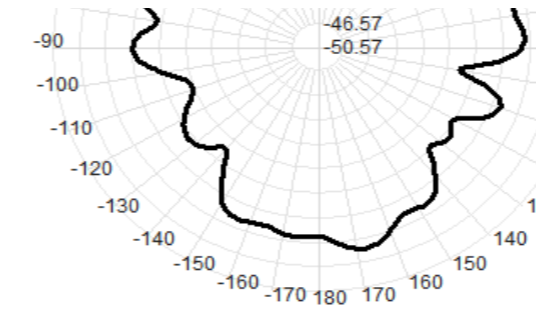
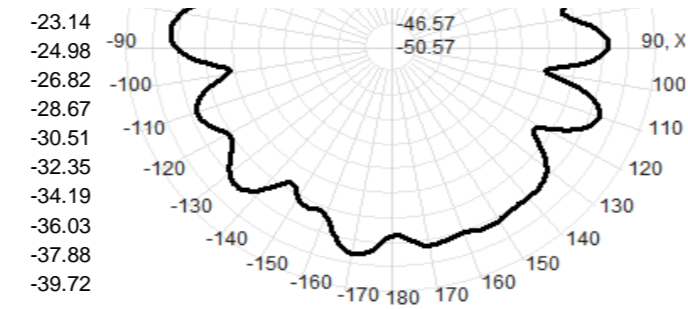
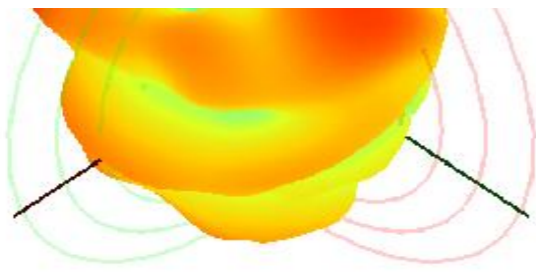
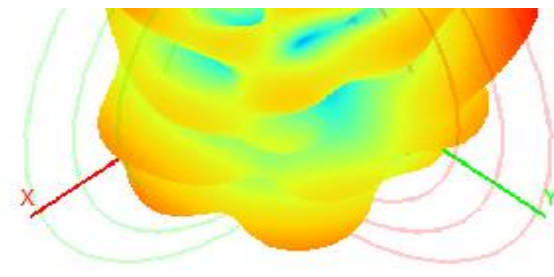


2465.0MHz Total(E2-YZ), Max=-11.28dBi



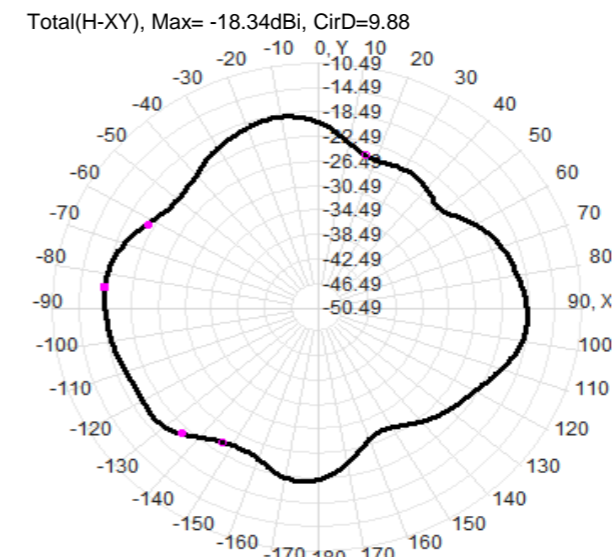
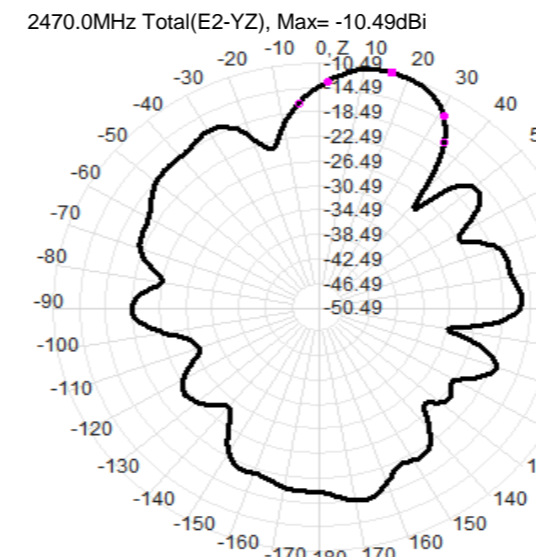
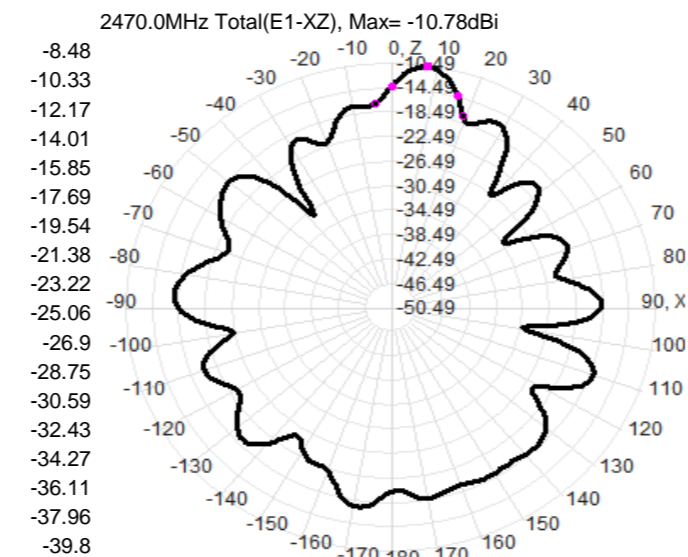
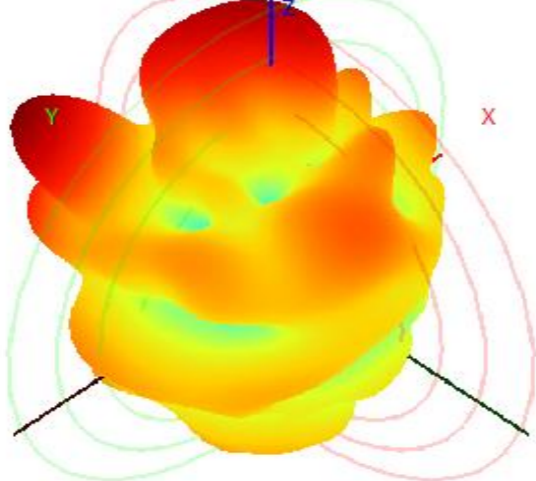
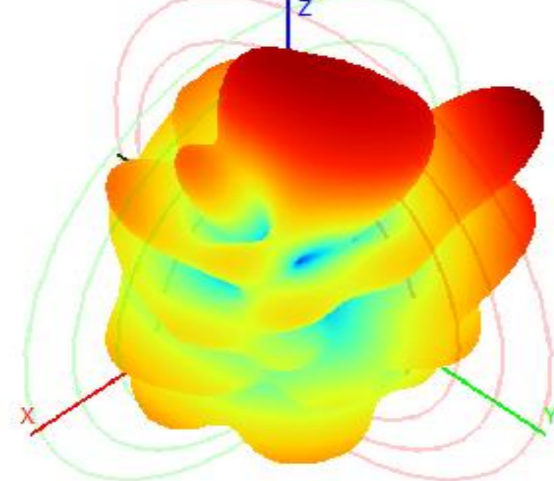
Total(H-XY), Max=-17.96dBi, CirD=10.20





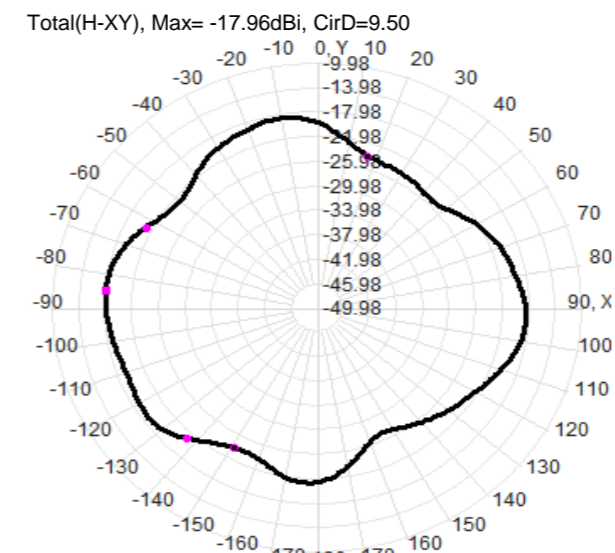
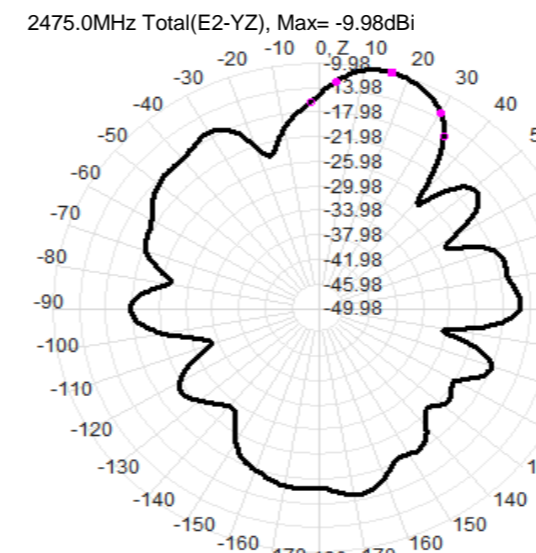
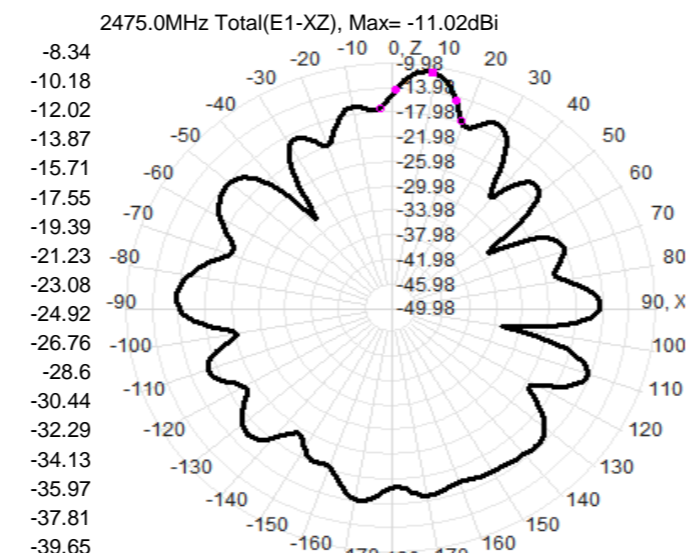
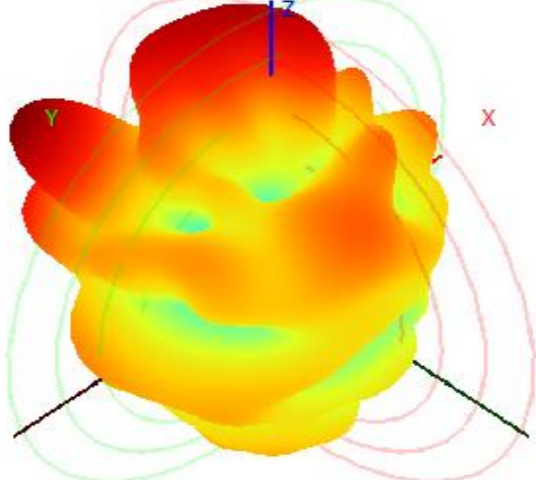
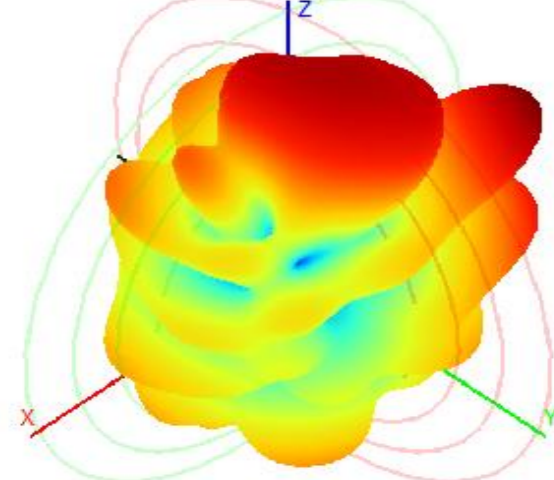
2470.0MHz H+V, Eff: 0.9%

Back View



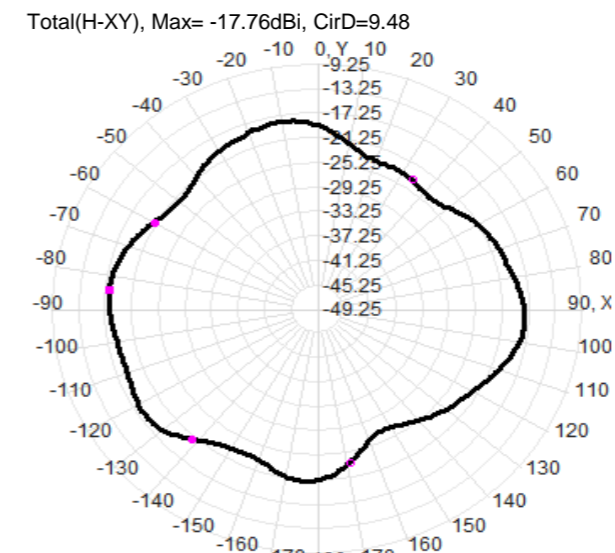
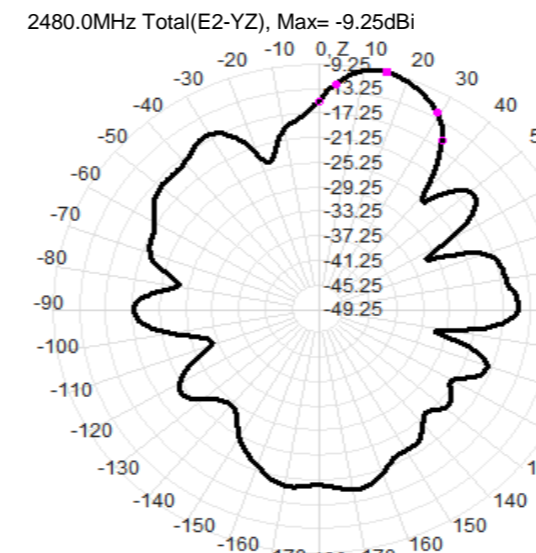
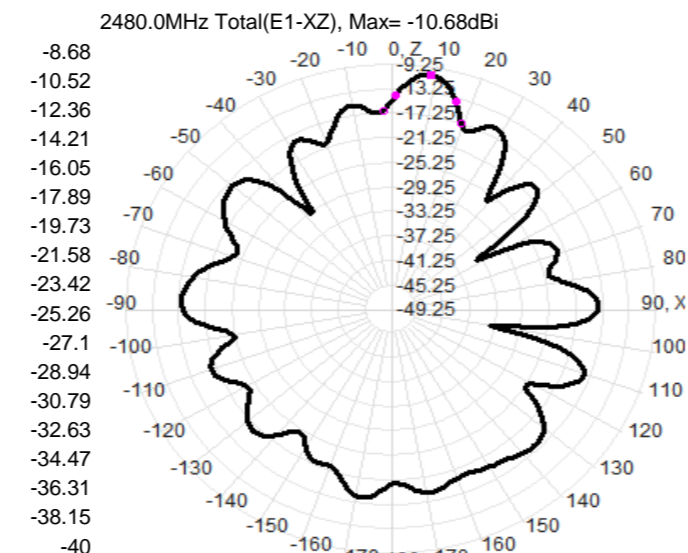
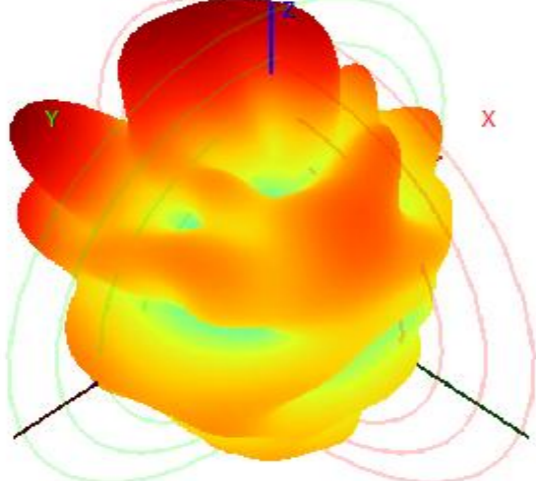
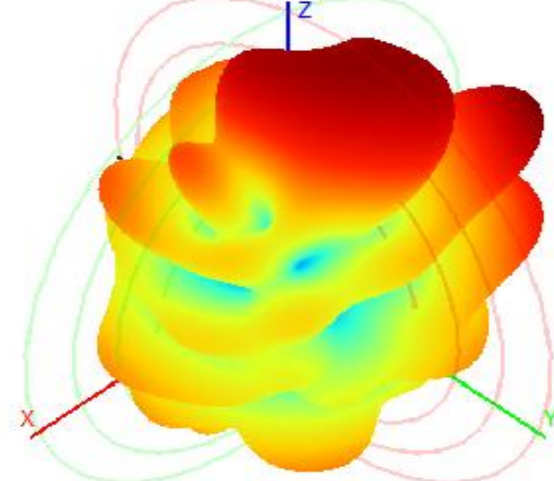
2475.0MHz H+V, Eff: 1.0%

Back View



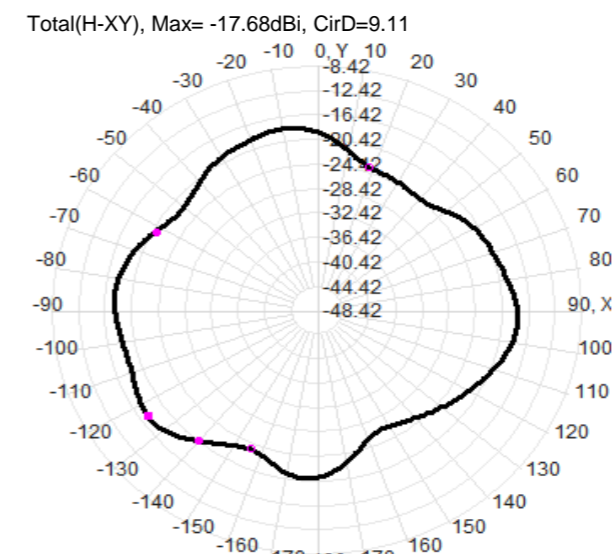
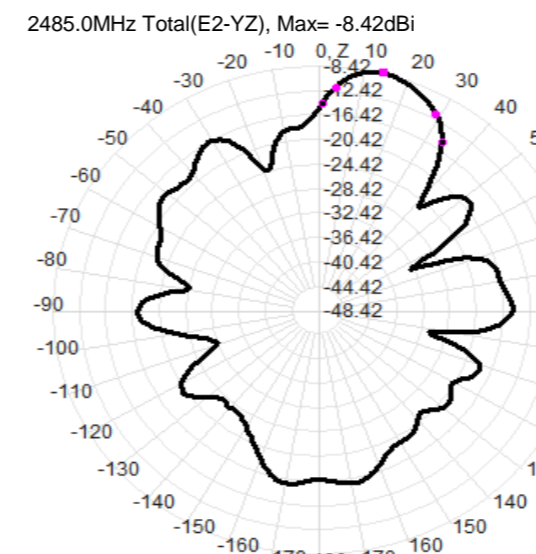
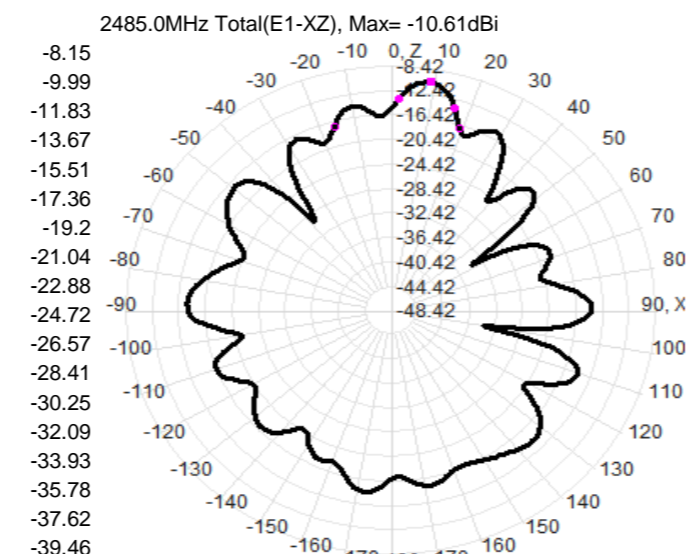
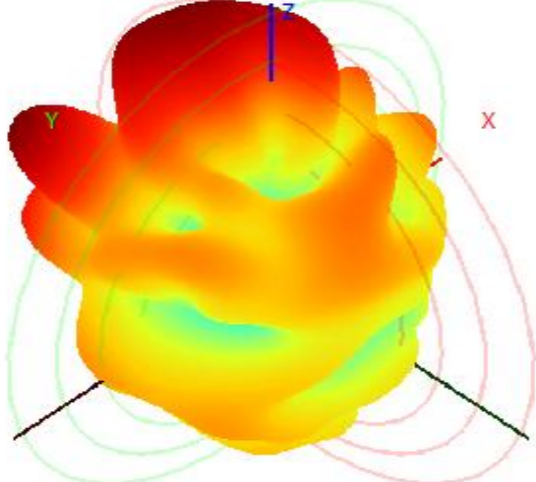
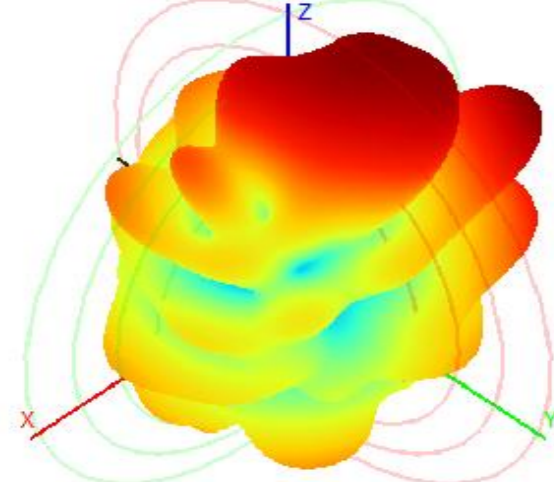
2480.0MHz H+V, Eff: 1.0%

Back View

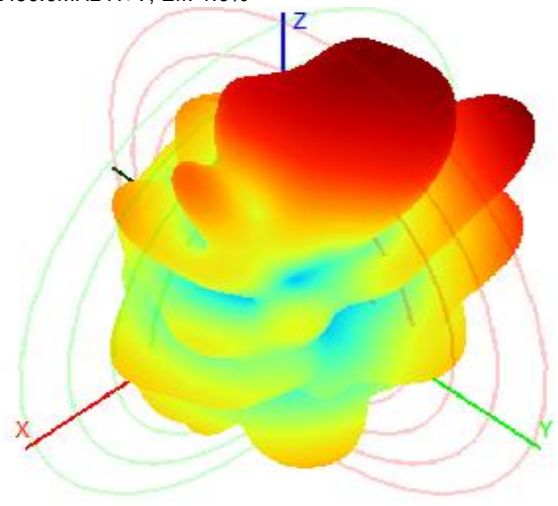


2485.0MHz H+V, Eff: 1.1%

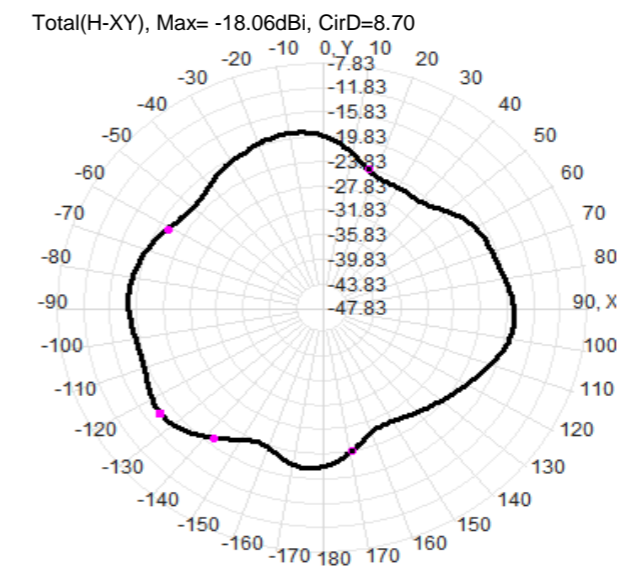
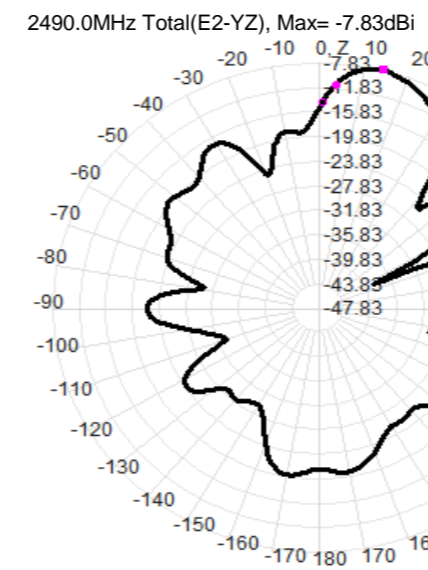
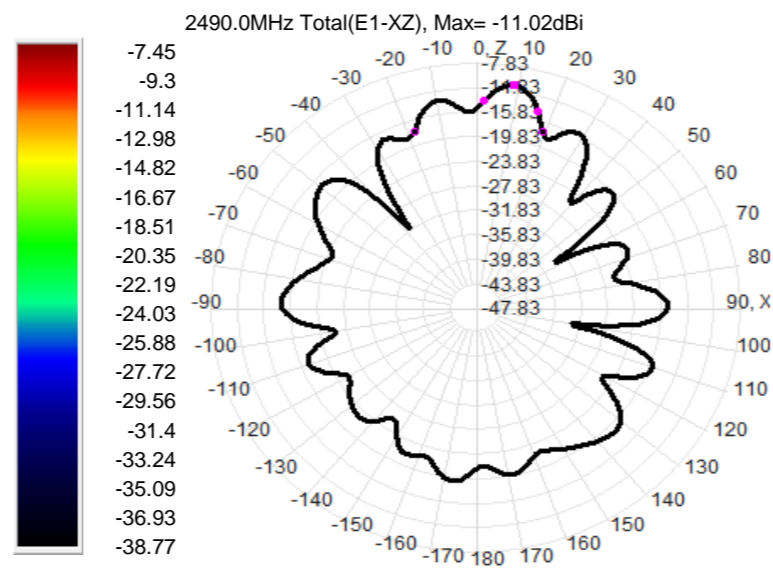
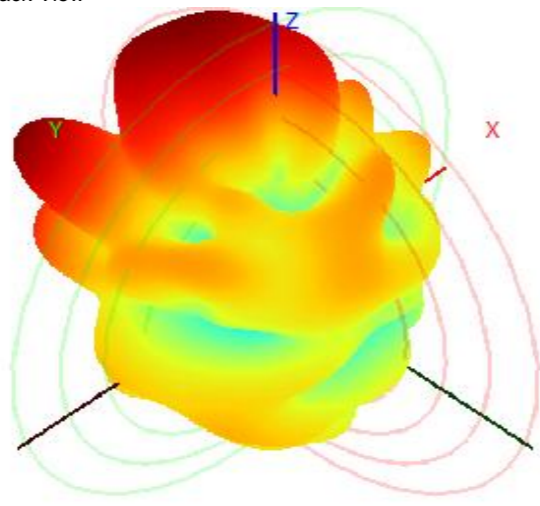
Back View



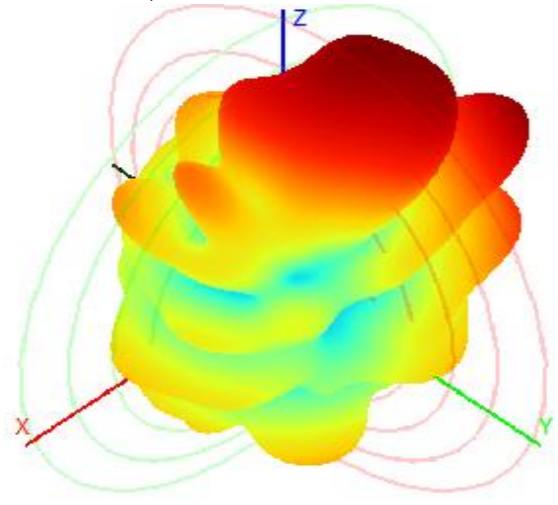
2490.0MHz H+V, Eff: 1.0%



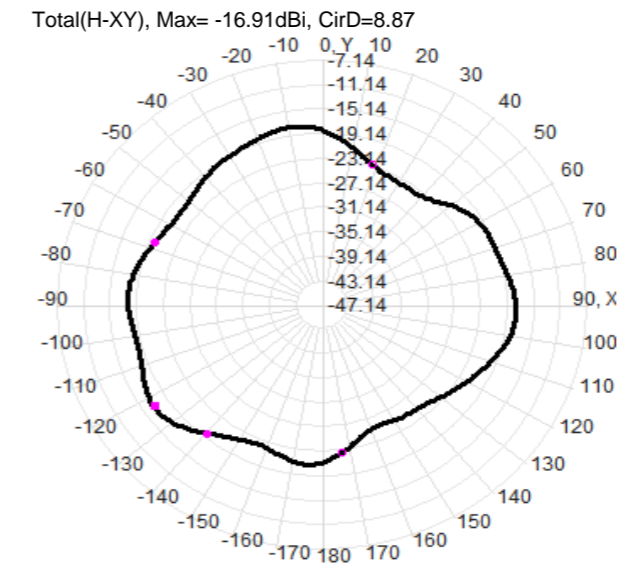
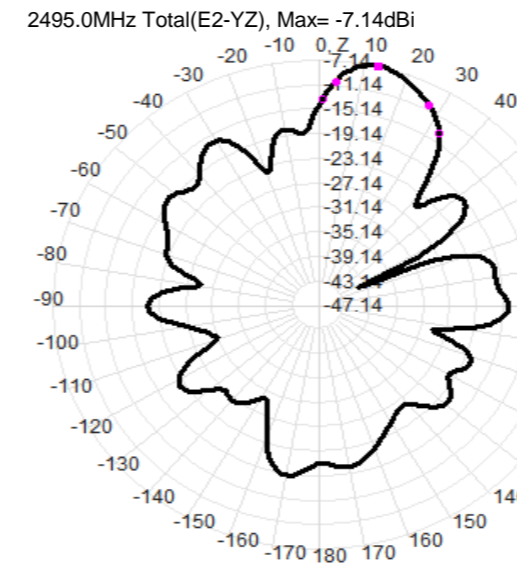
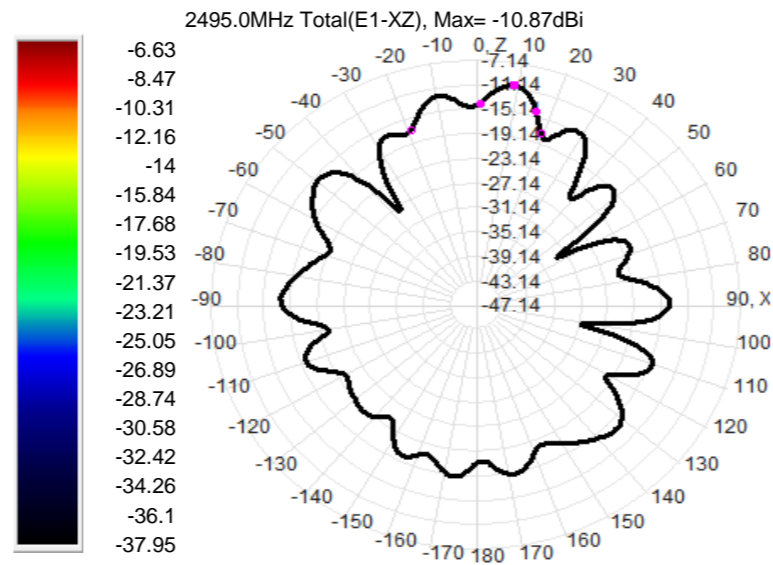
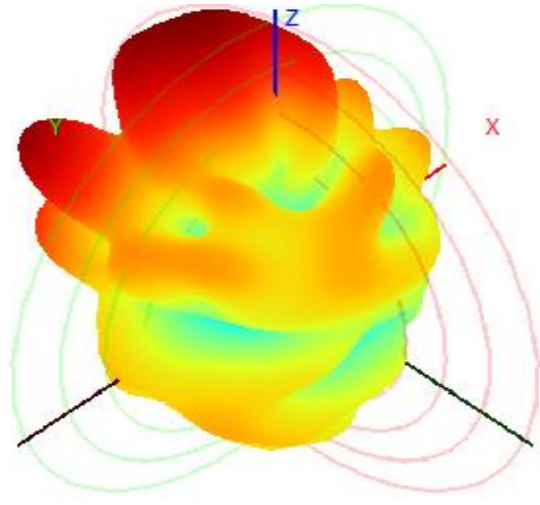
Back View



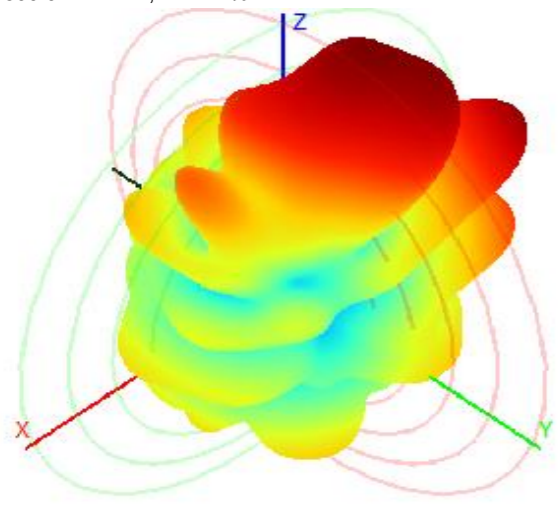
2495.0MHz H+V, Eff: 1.2%



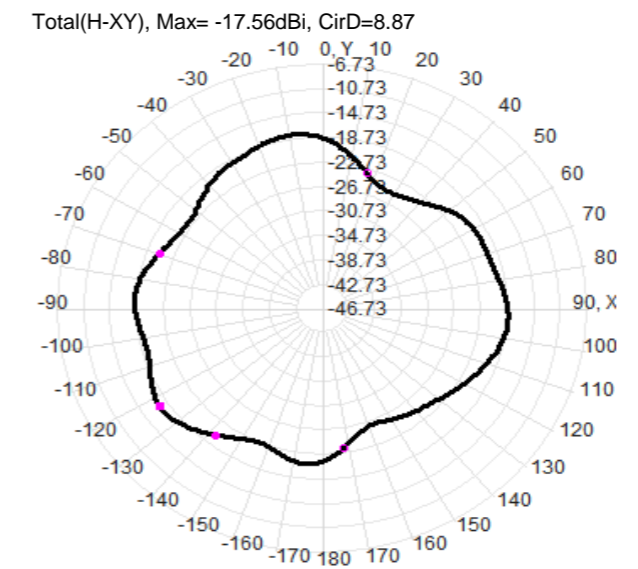
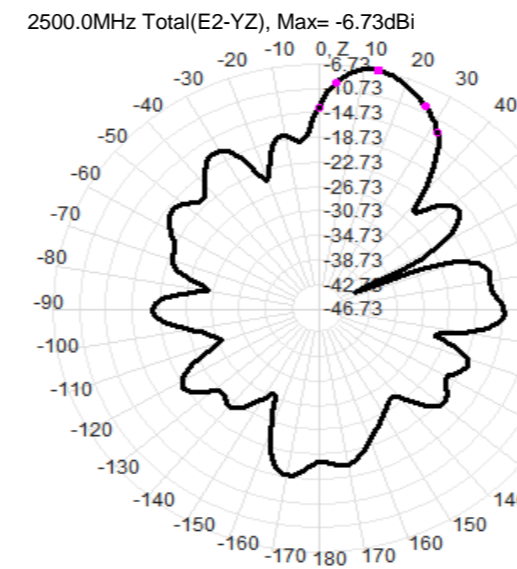
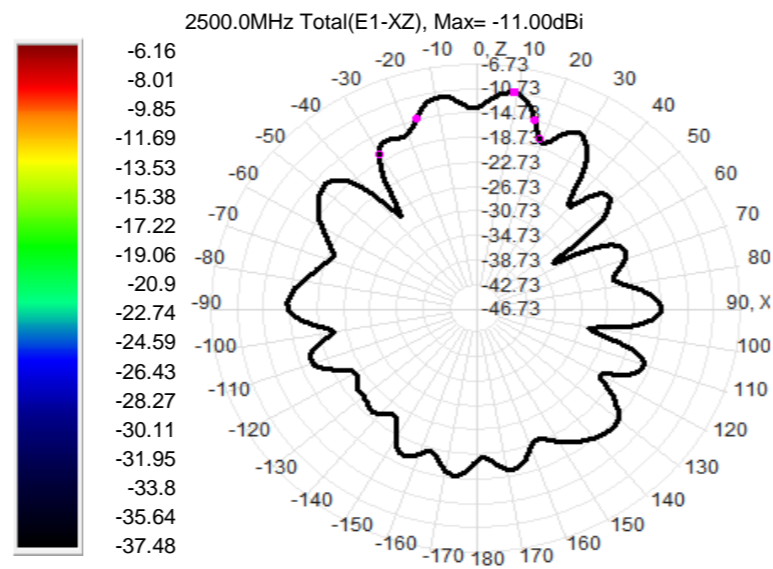
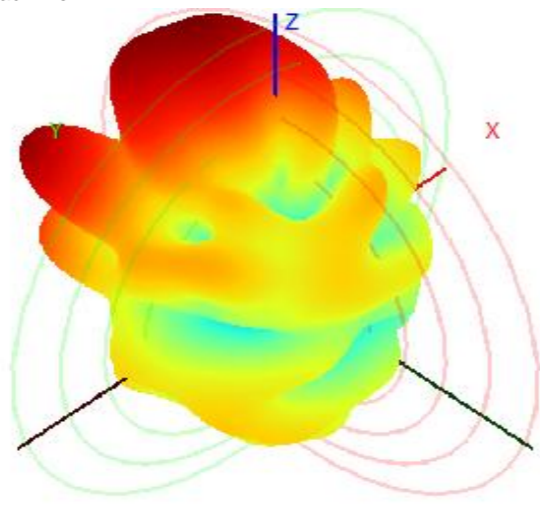
Back View



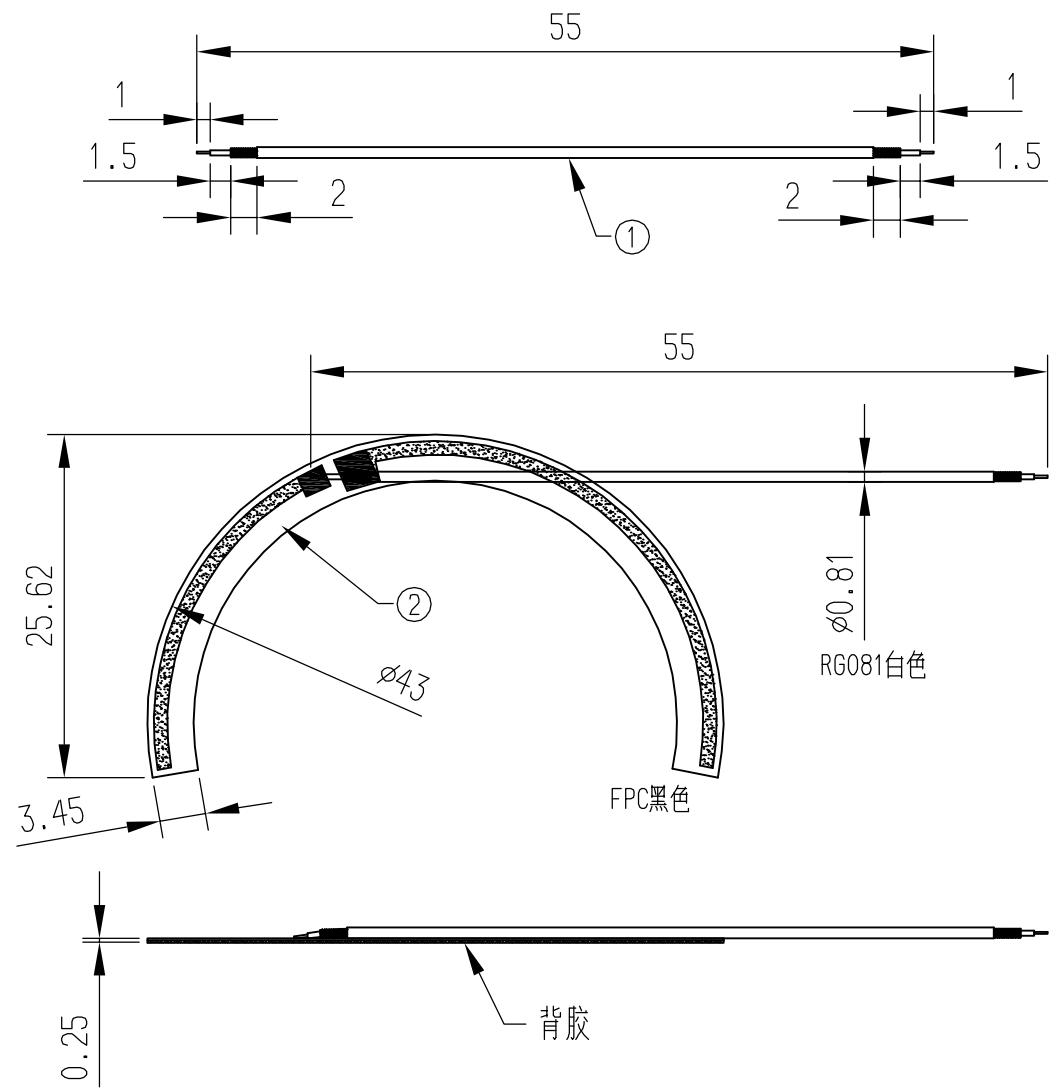
2500.0MHz H+V, Eff: 1.2%



Back View





REV	DESCRIPTION	DATE	APPROVED




产品性能 (Electrical Specifications)

频率范围 (Frequency Range)	2400-2500MHz
增益 (Gain)	2.15 dBi
电压驻波比 (V.S.W.R)	<2 : 1
极化 (Polarization)	Linear.Vertical
最大功率 (Max power rating)	10 W
特性阻抗 (Impedance)	50 OHM

3	PE袋	8*12*0.1	1/100	1802-0019
2	FPC天线	∅43*25.6*0.25	1	1505-0022
1	同轴线	0.81同轴线-白色(神宇)-55mm	1	1302-0011
No.	Name	Description	Q'TY	Part No.

一般公差 (GENERAL TOLERANCES)
 尺寸 (Dimension) 角度 (Angles)
 0~1 ±0.1 X° ±1°
 1~10 ±0.3 X.X° ±0.5°
 10~30 ±0.8
 30~100 ±1
 100~300 ±2
 (UNLESS OTHERWISE SPECIFIED)

版本 (REV) A0	图形名称 (Draw Name) 产品图		客户料号 (CUS No.)
比例 (Scale) 1:1	产品名称 (Product Name) 半环形wifi内置天线		产品料号 (Product No.) 3010-0425
绘图 (Draw Name) Helison	单位 (UNIT) mm	幅面 (Size) A4	页/次 (Sheet) 1/1
审核 (Checked)	 深圳市凯业达电子有限公司 SHENZHEN KYD ELECTRONIC CO.,LTD		首版日期 (Original Date) 2017-12-12
核准 (APPROVED)			