



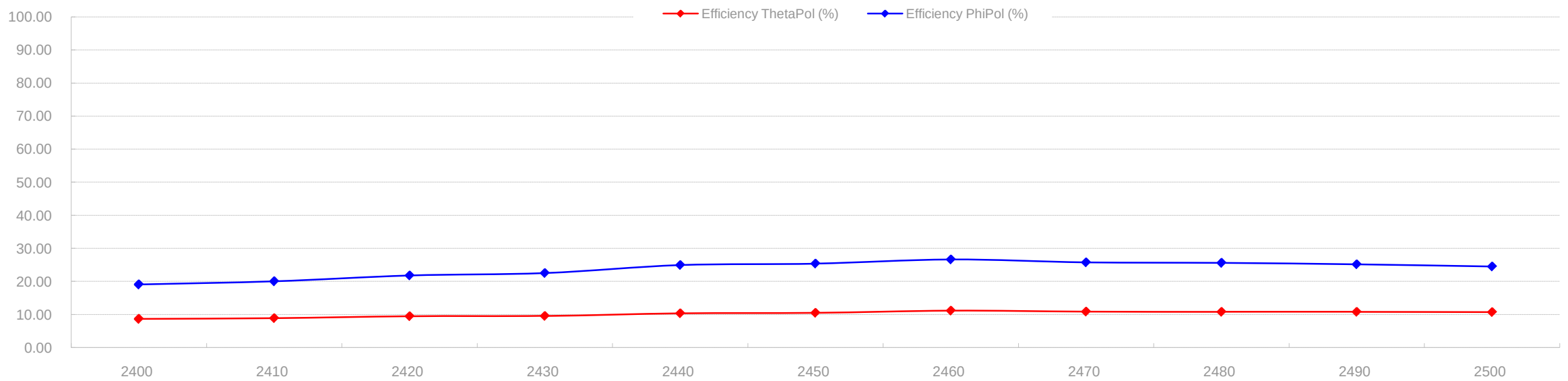
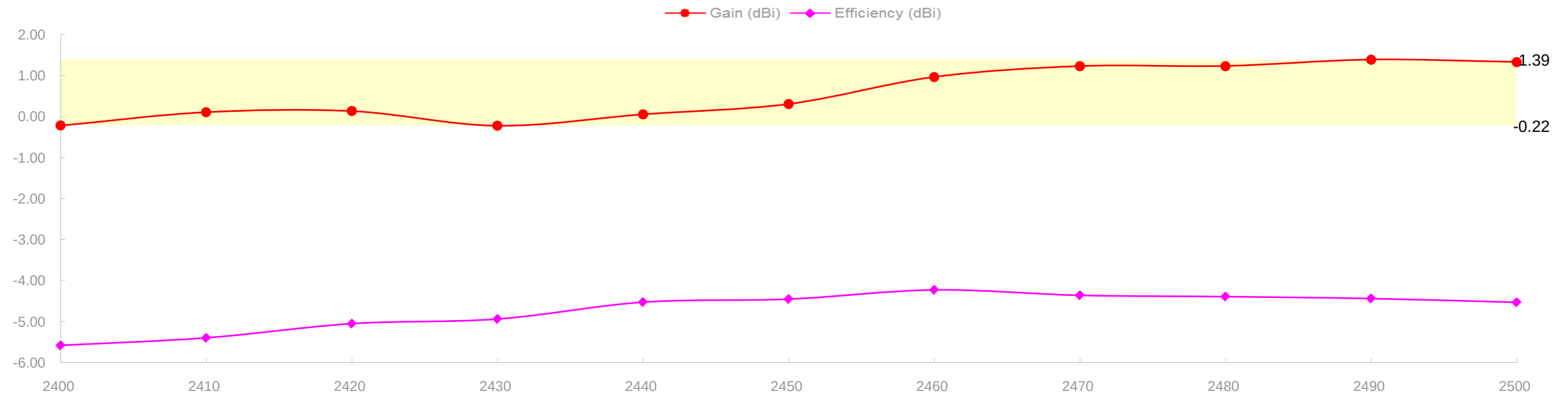
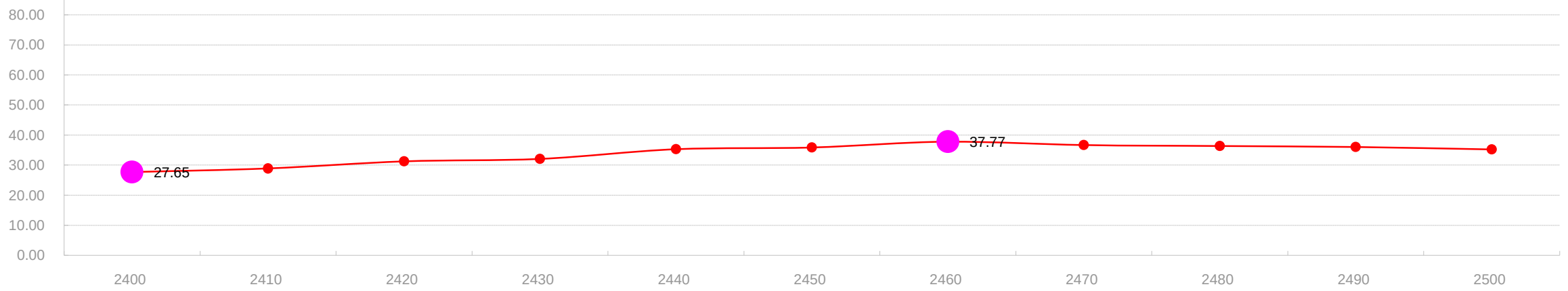
TEST REPORT

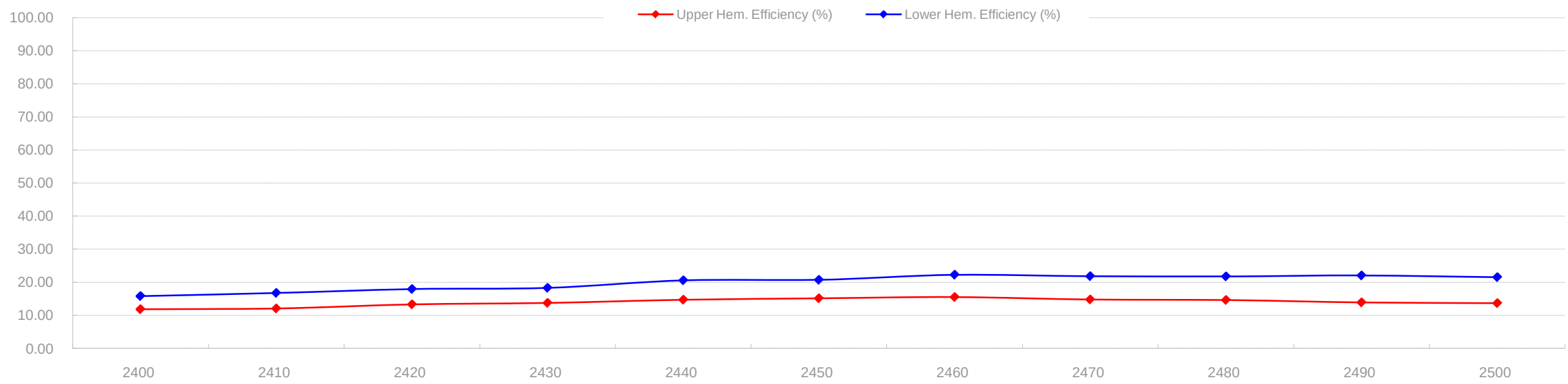
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dBi)	-5.58	-5.40	-5.05	-4.94	-4.53	-4.45	-4.23	-4.36	-4.39	-4.44	-4.53
Gain (dBi)	-0.22	0.11	0.13	-0.22	0.06	0.31	0.96	1.23	1.23	1.39	1.33
Efficiency (%)	27.65	28.85	31.25	32.07	35.26	35.87	37.77	36.64	36.37	35.98	35.22
Directivity (dB)	5.37	5.51	5.19	4.72	4.58	4.76	5.19	5.59	5.62	5.83	5.86
Peak Gain Position (Theta)	156.00	155.00	154.00	154.00	154.00	155.00	157.00	158.00	158.00	157.00	156.00
Peak Gain Position (Phi)	27.00	22.00	19.00	18.00	206.00	184.00	172.00	173.00	180.00	193.00	200.00
Efficiency ThetaPol (%)	8.61	8.86	9.46	9.56	10.33	10.50	11.16	10.88	10.80	10.81	10.69
Efficiency PhiPol (%)	19.04	19.99	21.78	22.51	24.92	25.37	26.61	25.76	25.57	25.17	24.53
Upper Hem. Efficiency (%)	11.81	12.09	13.30	13.78	14.70	15.11	15.51	14.80	14.60	13.93	13.66
Lower Hem. Efficiency (%)	15.84	16.77	17.94	18.29	20.56	20.75	22.26	21.84	21.77	22.05	21.56

T90(H)圆度	15.06	15.73	15.91	16.71	18.88	20.65	19.82	16.10	13.62	13.45	13.89
Gain 15deg (dBi)											
E1(XZ)波瓣宽度	129.00	32.00	31.00	37.00	153.00	145.00	133.00	73.00	67.00	61.00	62.00
E1(XZ)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E2(YZ)波瓣宽度	37.00	40.00	47.00	27.00	27.00	27.00	27.00	26.00	27.00	27.00	29.00
E2(YZ)前后比	0.38	0.31	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
最大增益处轴比(P)	7.20	6.67	6.06	5.88	32.26	40.93	40.86	44.21	44.81	36.59	40.43
顶点(Theta=0)处轴比(P)	25.46	35.25	35.08	26.08	23.06	20.76	17.72	15.08	15.62	32.76	17.48
仰角10度最差(大)轴比(P)	37.59	53.09	44.61	36.91	46.73	43.94	65.31	46.32	42.02	48.45	38.82
Hc(XY)波瓣宽度	89.00	95.00	101.00	102.00	100.00	96.00	92.00	92.00	93.00	91.00	84.00
Hc(XY)前后比	4.06	3.53	3.30	3.32	3.48	3.61	3.62	3.58	3.67	4.29	5.22
左旋圆极化效率(%)	13.17	13.53	14.58	14.91	16.24	16.42	17.02	16.20	15.86	15.53	15.15
右旋圆极化效率(%)	14.48	15.32	16.66	17.16	19.02	19.44	20.75	20.44	20.51	20.45	20.07
最大增益处交极比(+/-45极化)	1.45	0.16	0.60	1.12	2.90	3.14	7.53	7.12	4.64	0.65	1.44
最大增益处交极比(水平垂直极化)	6.88	6.66	6.01	5.70	15.52	14.94	7.78	8.21	11.67	27.96	21.62
T60度Phi一圈最差交极比(+/-45极化)	0.03	0.04	0.01	0.00	0.05	0.02	0.01	0.01	0.01	0.01	0.00
T60度Phi一圈最差交极比(水平垂直极化)	0.09	0.02	0.03	0.01	0.00	0.00	0.02	0.01	0.05	0.08	0.04
T90度(H)Phi一圈最差交极比(+/-45极化)	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00
T90度(H)Phi一圈最差交极比(水平垂直极化)	0.05	0.15	0.07	0.01	0.05	0.03	0.06	0.04	0.01	0.02	0.08

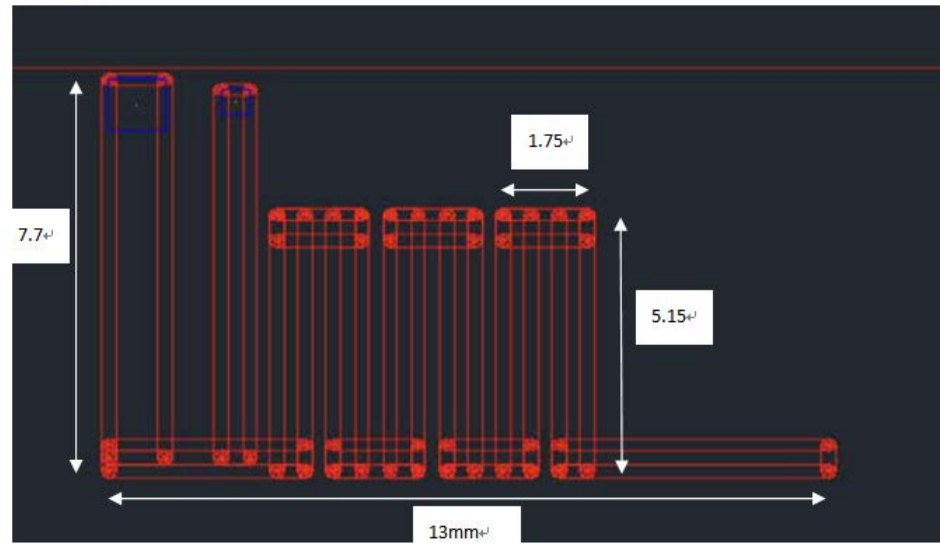
轴对称天线倾角参数:											
主瓣下倾角度(平均值)	21.85	8.54	-22.11	-30.69	-48.19	-58.54	-67.41	-68.02	-68.62	-68.87	-69.31
Empty											



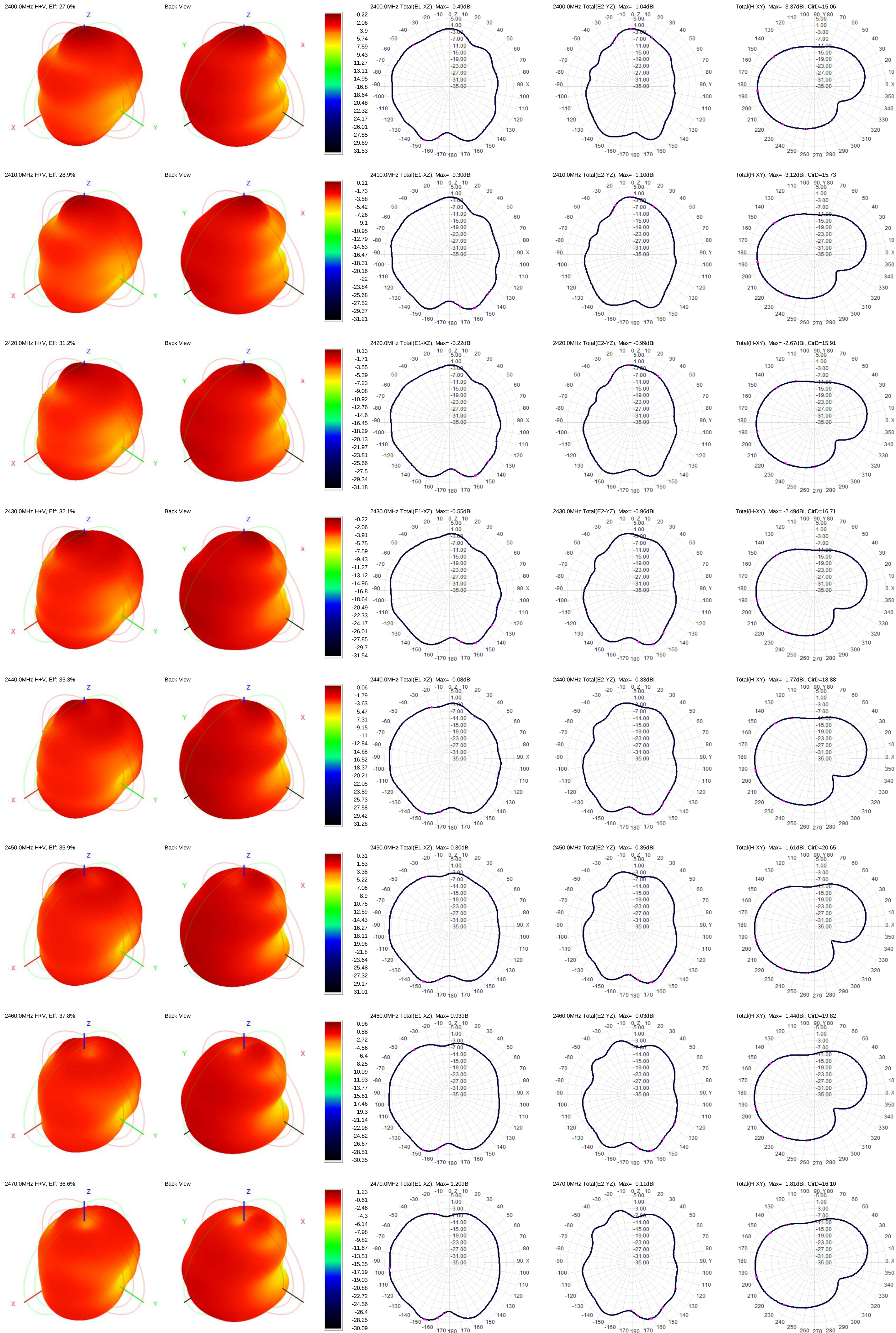




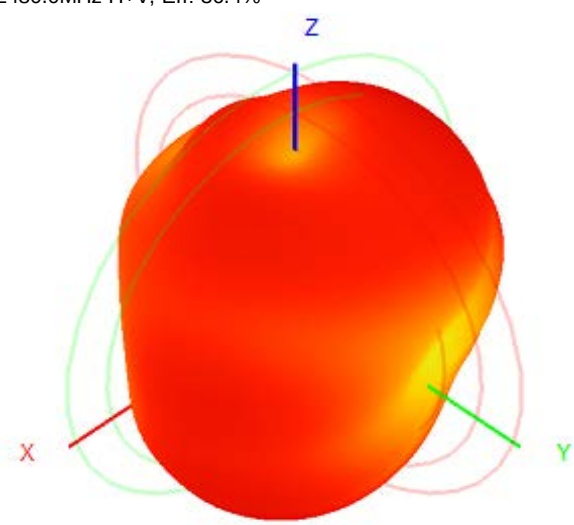
unit: mm



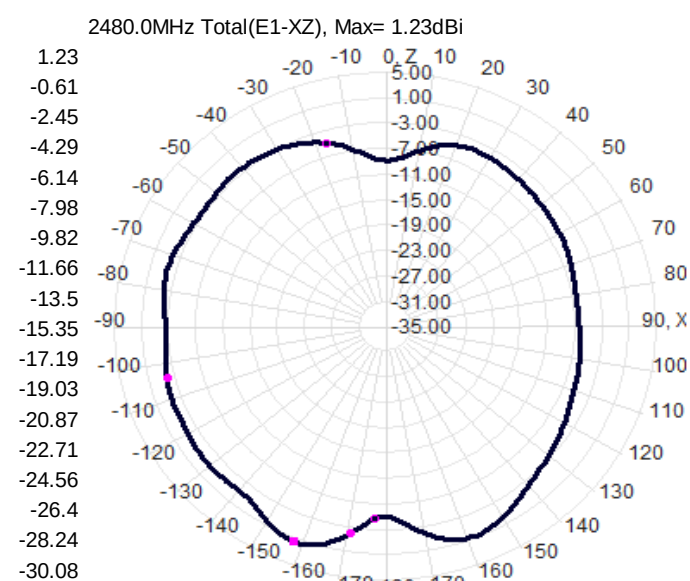
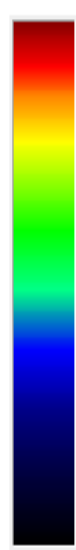
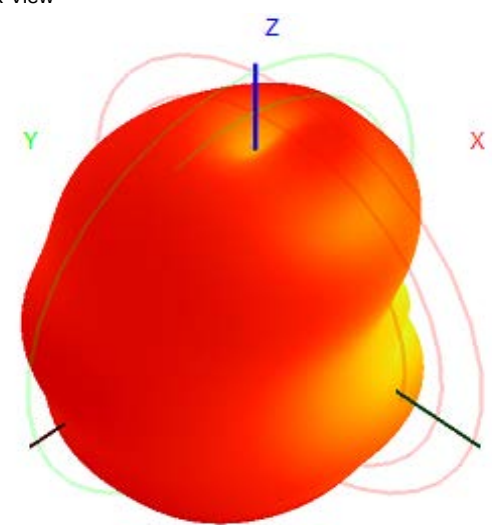
Antenna manufacturer: ShenZhen Sunrise Electronics CO.,Ltd



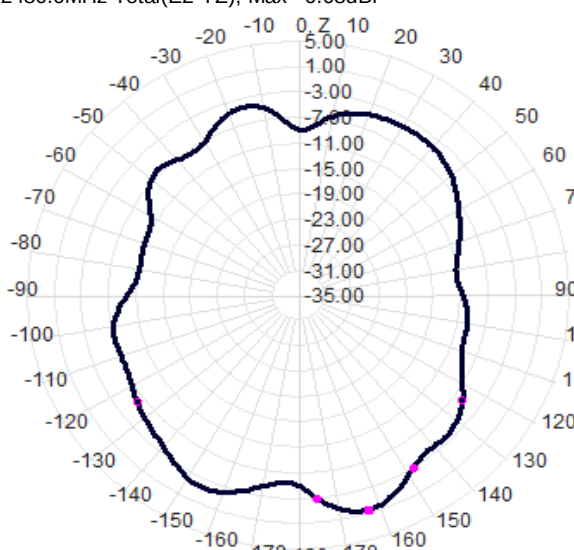
2480.0MHz H+V, Eff: 36.4%



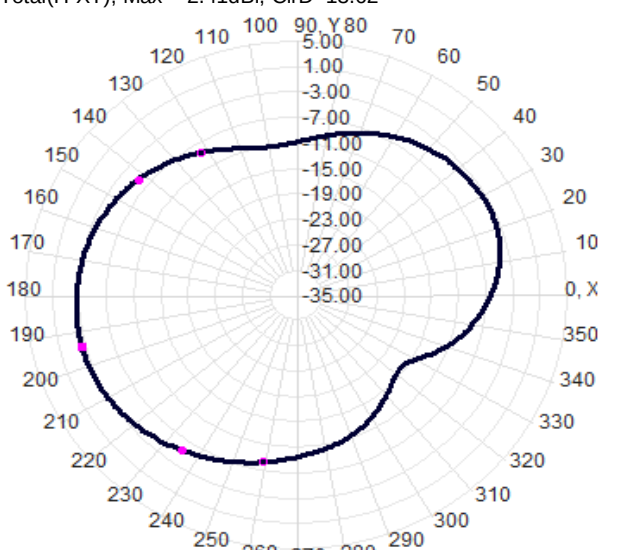
Back View



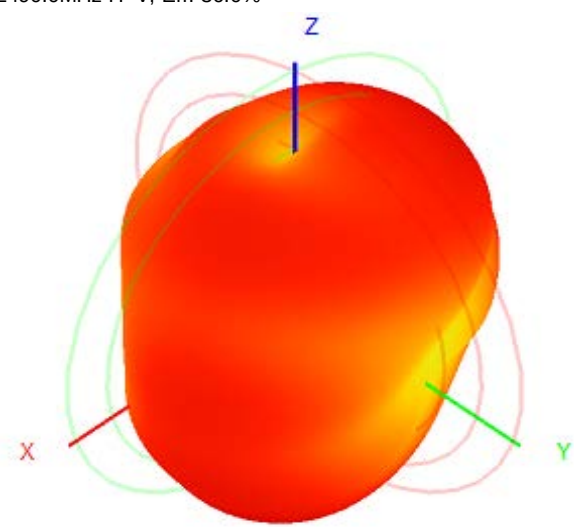
2480.0MHz Total(E2-YZ), Max= 0.08dBi



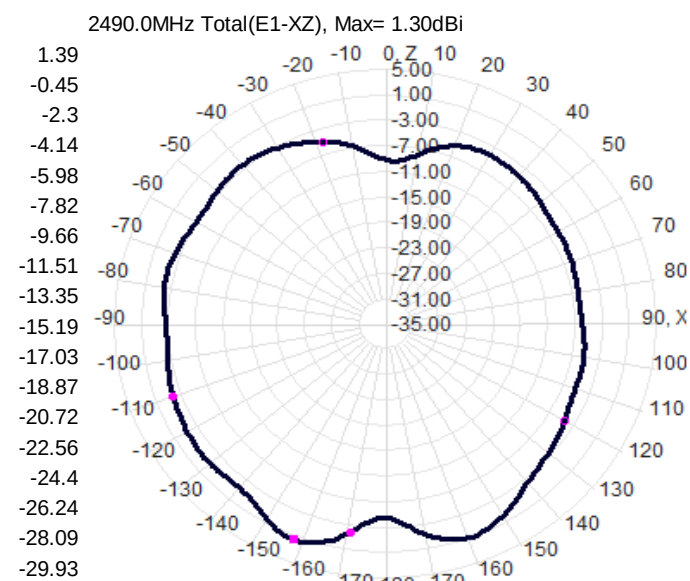
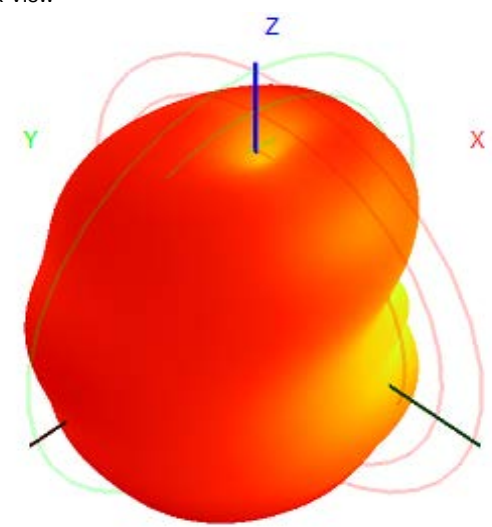
Total(H-XY), Max= -2.41dBi, CirD=13.62



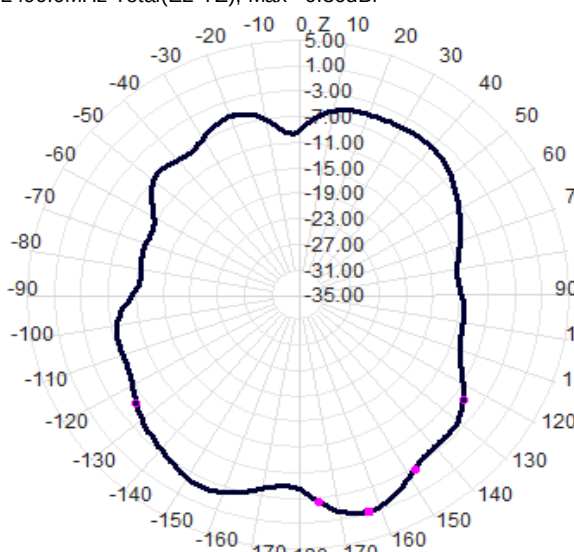
2490.0MHz H+V, Eff: 36.0%



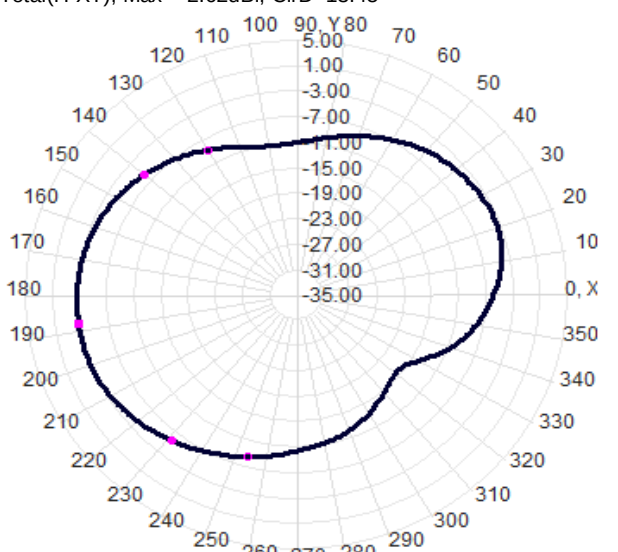
Back View



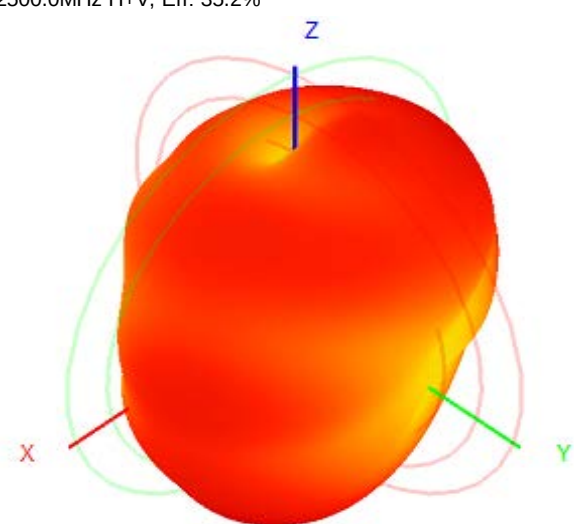
2490.0MHz Total(E2-YZ), Max= 0.36dBi



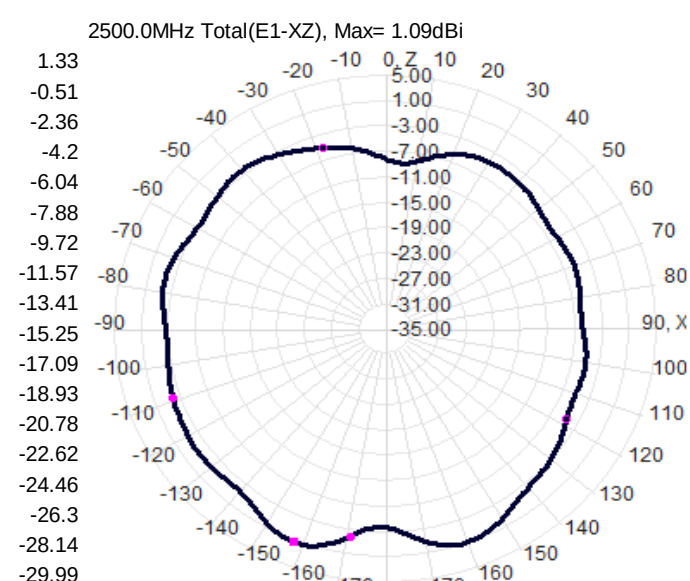
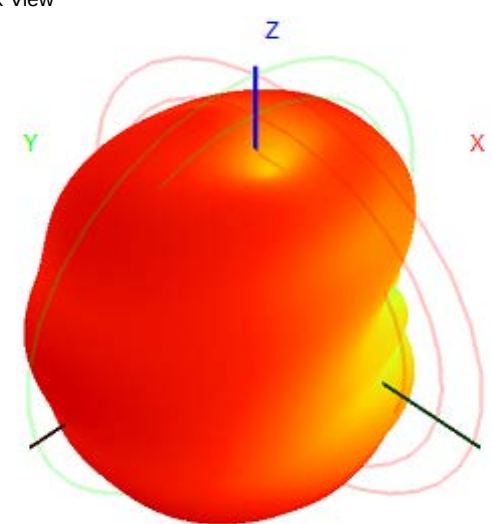
Total(H-XY), Max= -2.62dBi, CirD=13.45



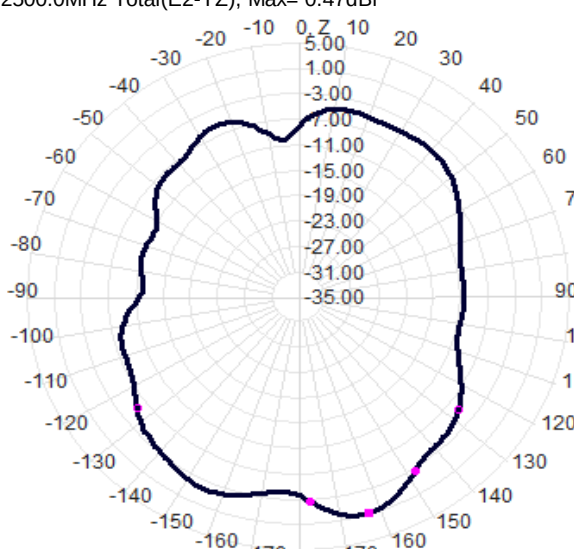
2500.0MHz H+V, Eff: 35.2%



Back View



2500.0MHz Total(E2-YZ), Max= 0.47dBi



Total(H-XY), Max= -2.61dBi, CirD=13.89

