
HD Antenna

Version: V1.0

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Sky Jiarun Technologies Co., Ltd.

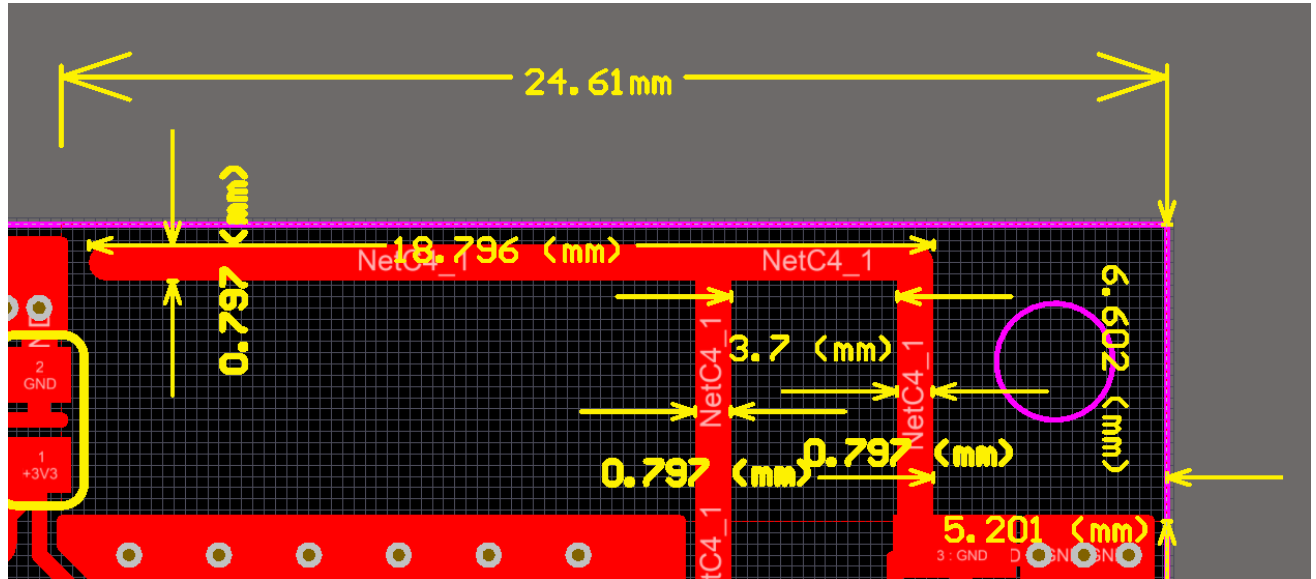
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Frequency ID	1	2	3	4	5	6	7	8	9
Frequency (MHz)	2370.0	2380.0	2390.0	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0
Efficiency (dBi)	-2.74	-2.76	-2.70	-2.72	-2.78	-2.83	-2.85	-2.99	-3.05
Gain (dBi)	1.73	1.71	1.88	1.86	1.76	1.63	1.69	1.78	1.82
Efficiency (%)	53.21	52.93	53.71	53.42	52.78	52.09	51.91	50.29	49.53
Directivity (dB)	4.47	4.47	4.58	4.59	4.54	4.46	4.53	4.76	4.87
Peak Gain Position (Theta)	50.00	50.00	70.00	70.00	160.00	50.00	50.00	50.00	50.00
Peak Gain Position (Phi)	250.00	250.00	200.00	200.00	280.00	250.00	250.00	250.00	240.00
Efficiency ThetaPol (%)	14.58	14.36	14.29	14.08	14.01	13.76	13.91	13.57	13.59

Efficiency PhiPol (%)	38.63	38.58	39.43	39.34	38.77	38.33	38.00	36.72	35.94
Upper Hem. Efficiency (%)	25.89	25.71	25.92	25.54	25.13	24.87	24.56	24.52	24.22
Lower Hem. Efficiency (%)	27.32	27.22	27.79	27.87	27.65	27.22	27.36	25.77	25.30

T90(H)圆度	14.56	15.85	16.52	16.67	15.88	14.37	12.85	12.21	11.47
Gain 15deg (dBi)									
E1(XZ)波瓣宽度	83.44	76.93	71.40	71.09	88.46	86.69	82.85	79.38	74.68
E1(XZ)前后比	2.94	2.56	2.31	1.87	1.34	0.74	0.07	0.34	0.85
E2(YZ)波瓣宽度	142.3 0	141.2 6	15.67	16.64	20.59	24.87	117.7 6	119.7 1	119.4 5
E2(YZ)前后比	0.30	0.00	0.00	0.00	0.00	0.00	0.37	1.69	1.68
最大增益处轴比(P)	20.11	19.49	9.57	9.58	4.32	17.98	18.04	18.18	18.59
顶点(Theta=0)处轴比(P)	1.26	2.23	3.74	5.10	6.35	7.54	8.14	8.25	7.33
仰角 10 度最差(大)轴比(P)	56.74	58.16	55.64	79.39	68.90	77.36	72.35	66.56	62.18
Hc(XY)波瓣宽度	104.0 4	104.0 3	104.2 9	105.7 6	107.8 8	109.4 7	110.6 8	110.6 1	109.9 3
Hc(XY)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
左旋圆极化效率(%)	31.05	31.00	31.61	31.61	31.24	30.91	30.94	29.72	29.42
右旋圆极化效率(%)	22.17	21.94	22.11	21.80	21.54	21.18	20.97	20.56	20.11
最大增益处交极比(+/-45 极化)	3.69	3.77	2.44	1.76	4.03	3.77	3.88	4.05	1.96
最大增益处交极比(水平垂直极化)	12.56	12.28	8.51	8.99	1.35	11.88	11.71	11.48	15.64
T60 度 Phi 一圈最差交极比 (+/-45 极化)	0.00	0.02	0.00	0.04	0.01	0.01	0.06	0.04	0.00
T60 度 Phi 一圈最差交极比 (水平垂直极化)	0.03	0.02	0.01	0.00	0.03	0.03	0.04	0.02	0.01

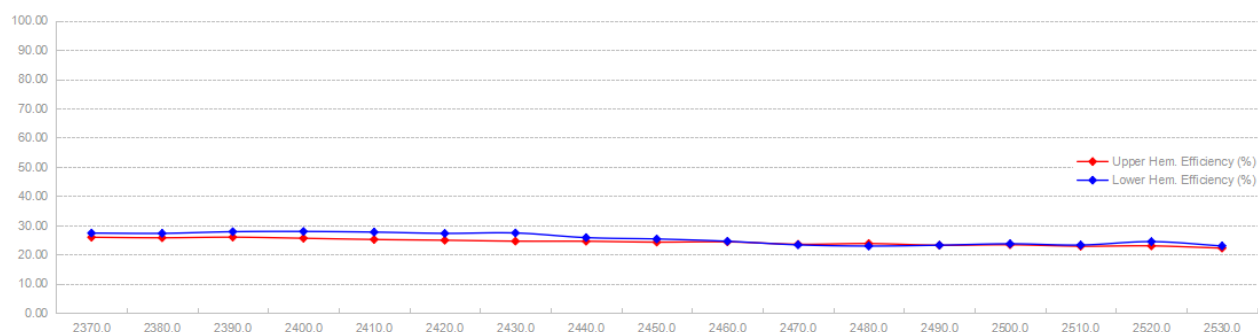
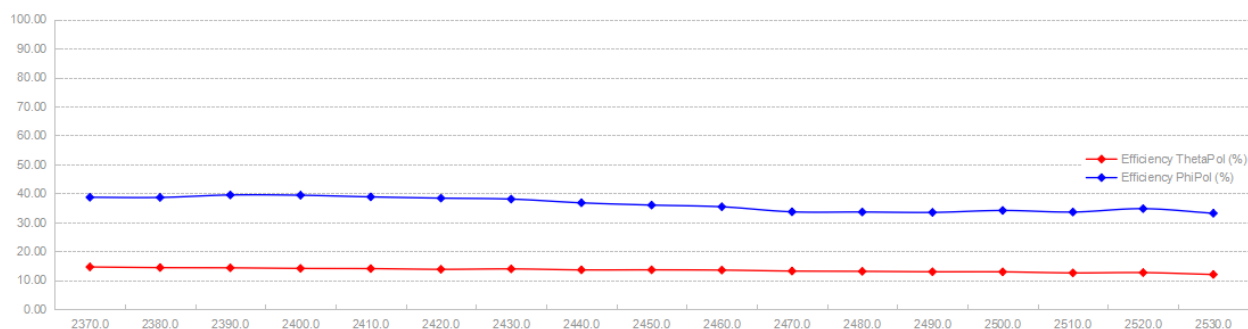
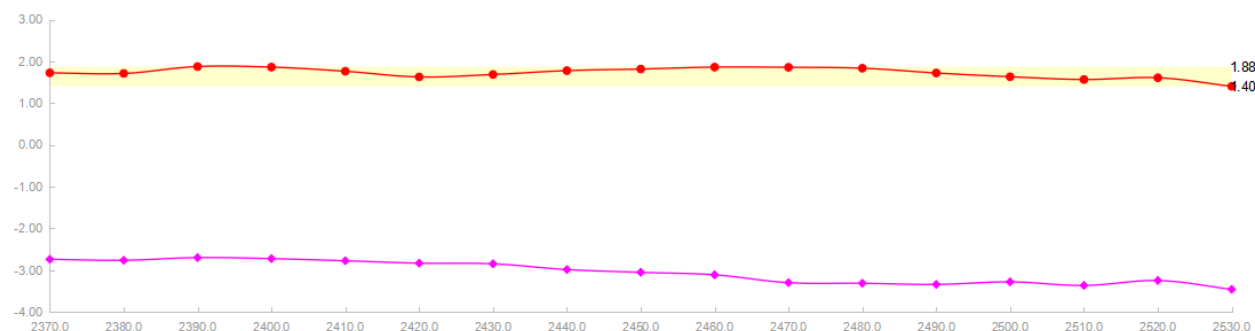
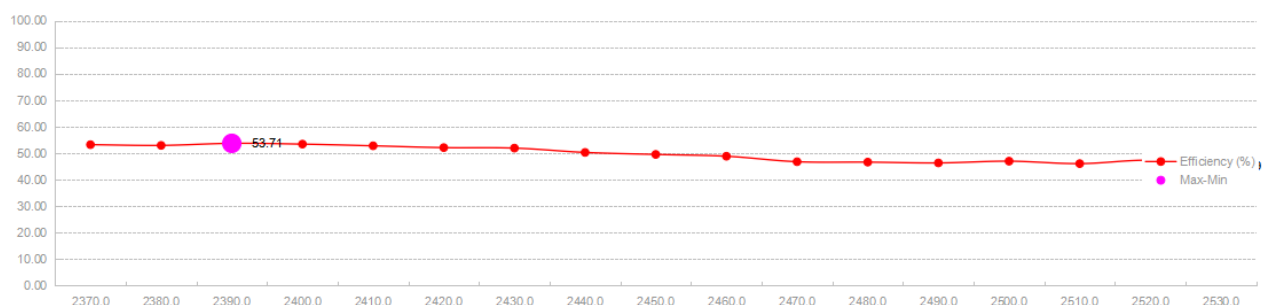
T90 度(H)Phi 一圈最差交极比(+/-45 极化)	0.02	0.01	0.08	0.00	0.00	0.00	0.01	0.02	0.01
T90 度(H)Phi 一圈最差交极比(水平垂直极化)	0.01	0.04	0.01	0.06	0.21	0.06	0.11	0.01	0.01
轴对称天线主瓣下倾角度(平均值)	-23.75	-25.61	-30.75	-39.39	-40.97	-39.58	-36.47	-21.64	-22.44
轴向(Z+)水平垂直极化隔离度	1.22	1.77	2.36	2.72	2.55	2.28	1.69	0.94	0.60
Theta85.0 一周最大增益	1.26	1.11	1.16	1.06	0.80	0.74	0.58	0.44	0.42
Theta85.0 一周圆度(为最大最小增益值的差, 不是+/-的值)	16.68	18.11	18.53	17.85	16.32	14.49	13.61	13.03	12.38

Frequency ID	10	11	12	13	14	15	16	17
Frequency (MHz)	2460.0	2470.0	2480.0	2490.0	2500.0	2510.0	2520.0	2530.0
Efficiency (dBi)	-3.11	-3.30	-3.31	-3.34	-3.28	-3.37	-3.25	-3.46
Gain (dBi)	1.86	1.86	1.84	1.72	1.63	1.57	1.61	1.40
Efficiency (%)	48.85	46.78	46.63	46.33	46.98	46.07	47.34	45.09
Directivity (dB)	4.97	5.16	5.15	5.06	4.91	4.93	4.86	4.86
Peak Gain Position (Theta)	50.00	50.00	50.00	50.00	50.00	50.00	60.00	60.00
Peak Gain Position (Phi)	240.00	240.00	240.00	240.00	240.00	240.00	250.00	250.00
Efficiency ThetaPol (%)	13.50	13.17	13.07	12.92	12.90	12.53	12.64	11.98
Efficiency PhiPol (%)	35.35	33.61	33.55	33.41	34.08	33.54	34.70	33.11
Upper Hem. Efficiency (%)	24.32	23.49	23.74	23.15	23.33	22.83	22.94	22.17
Lower Hem. Efficiency	24.52	23.29	22.88	23.18	23.66	23.24	24.39	22.92

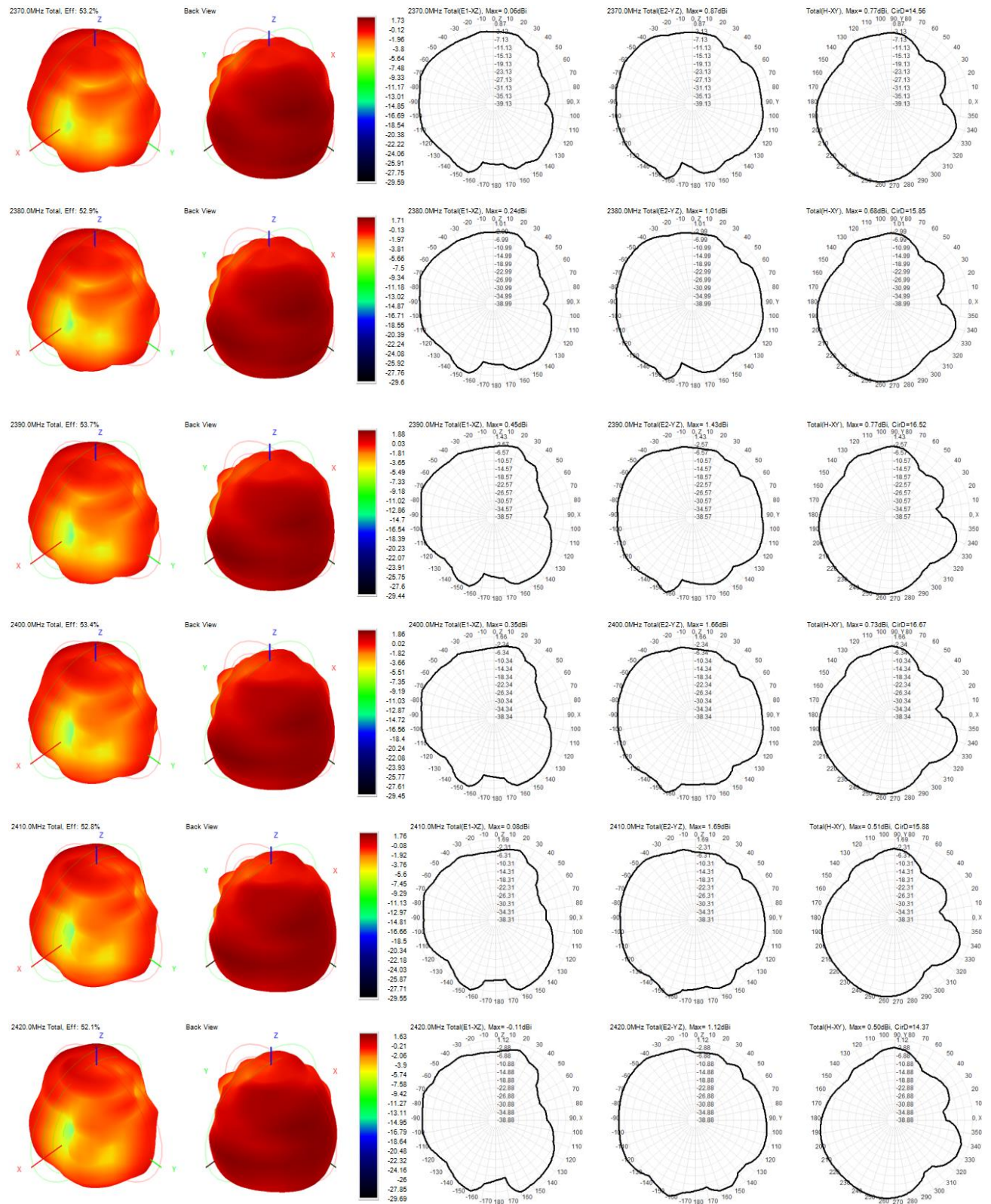
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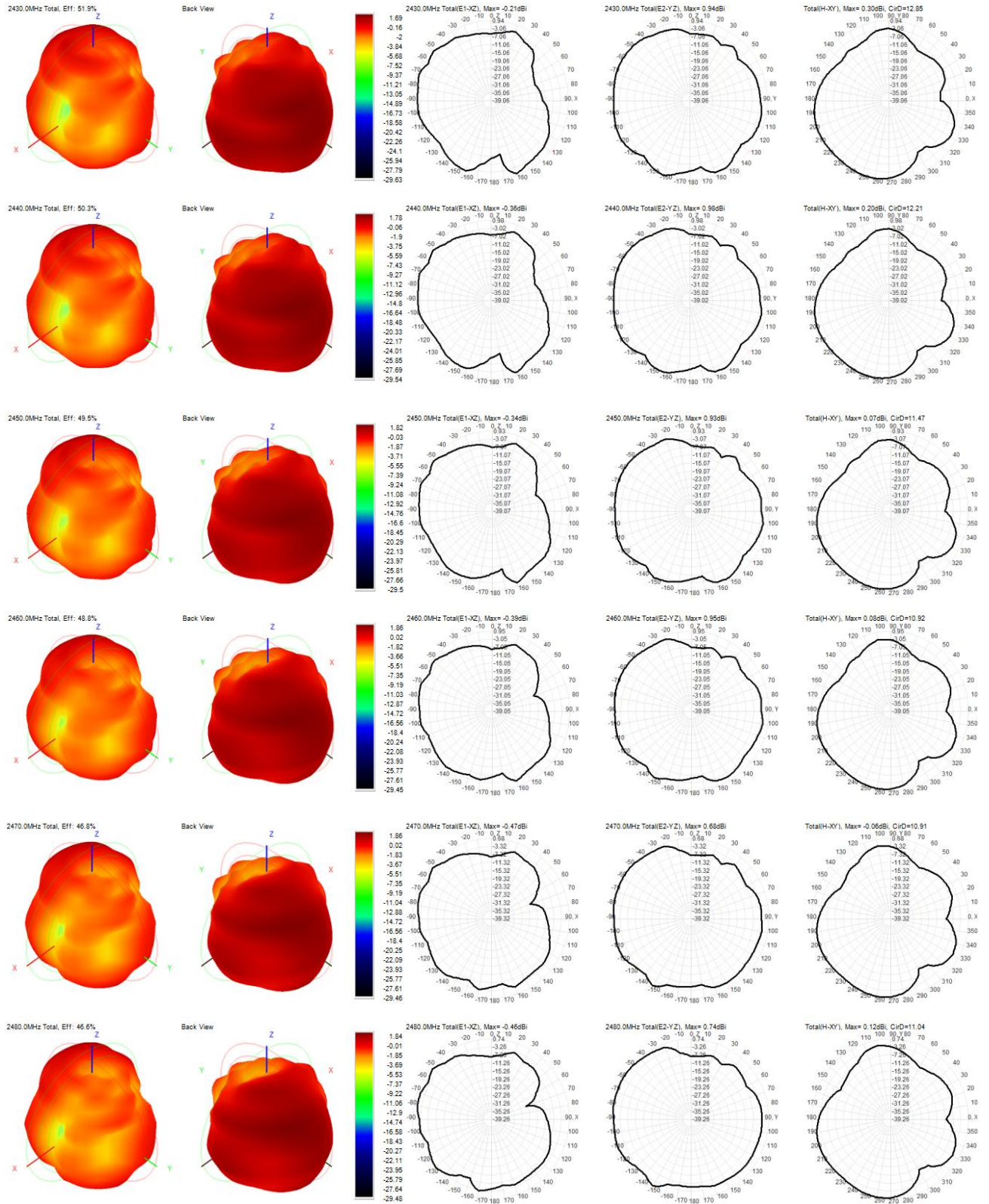
T90(H)圆度	10.92	10.91	11.04	11.42	11.70	12.16	12.69	13.01
Gain 15deg (dBi)								
E1(XZ)波瓣宽度	74.28	74.37	74.63	61.71	60.74	59.02	62.10	63.37
E1(XZ)前后比	1.79	2.83	2.75	2.59	3.12	4.23	3.02	2.48
E2(YZ)波瓣宽度	115.75	113.94	111.01	109.44	109.15	142.16	142.49	143.77
E2(YZ)前后比	1.95	1.59	1.78	1.77	2.10	2.16	1.20	0.68
最大增益处轴比(P)	18.18	17.58	16.79	15.79	14.39	13.02	13.14	12.67
顶点(Theta=0)处轴比(P)	5.19	3.09	3.44	5.34	6.54	7.32	7.92	7.82
仰角 10 度最差(大)轴比(P)	51.64	61.53	45.76	52.04	61.72	59.25	59.77	59.05
Hc(XY)波瓣宽度	108.74	107.06	105.56	104.49	103.81	102.97	101.26	99.25
Hc(XY)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
左旋圆极化效率(%)	28.95	27.53	27.04	26.64	26.86	26.28	27.24	26.14
右旋圆极化效率(%)	19.90	19.25	19.59	19.69	20.12	19.79	20.10	18.95
最大增益处交极比(+/-45 极化)	1.90	1.91	1.89	1.80	1.86	2.03	3.61	3.61
最大增益处交极比(水平垂直极化)	15.55	15.18	14.71	14.18	13.04	11.78	9.99	9.71
T60 度 Phi 一圈最差交极比(+/-45 极化)	0.00	0.00	0.03	0.01	0.03	0.03	0.03	0.00
T60 度 Phi 一圈最差交极比(水平垂直极化)	0.01	0.01	0.04	0.01	0.01	0.04	0.04	0.02
T90 度(H)Phi 一圈最差交极比(+/-45 极化)	0.05	0.03	0.07	0.01	0.02	0.01	0.01	0.00
T90 度(H)Phi 一圈最差交极比(水平垂直极化)	0.01	0.02	0.04	0.11	0.00	0.00	0.07	0.06

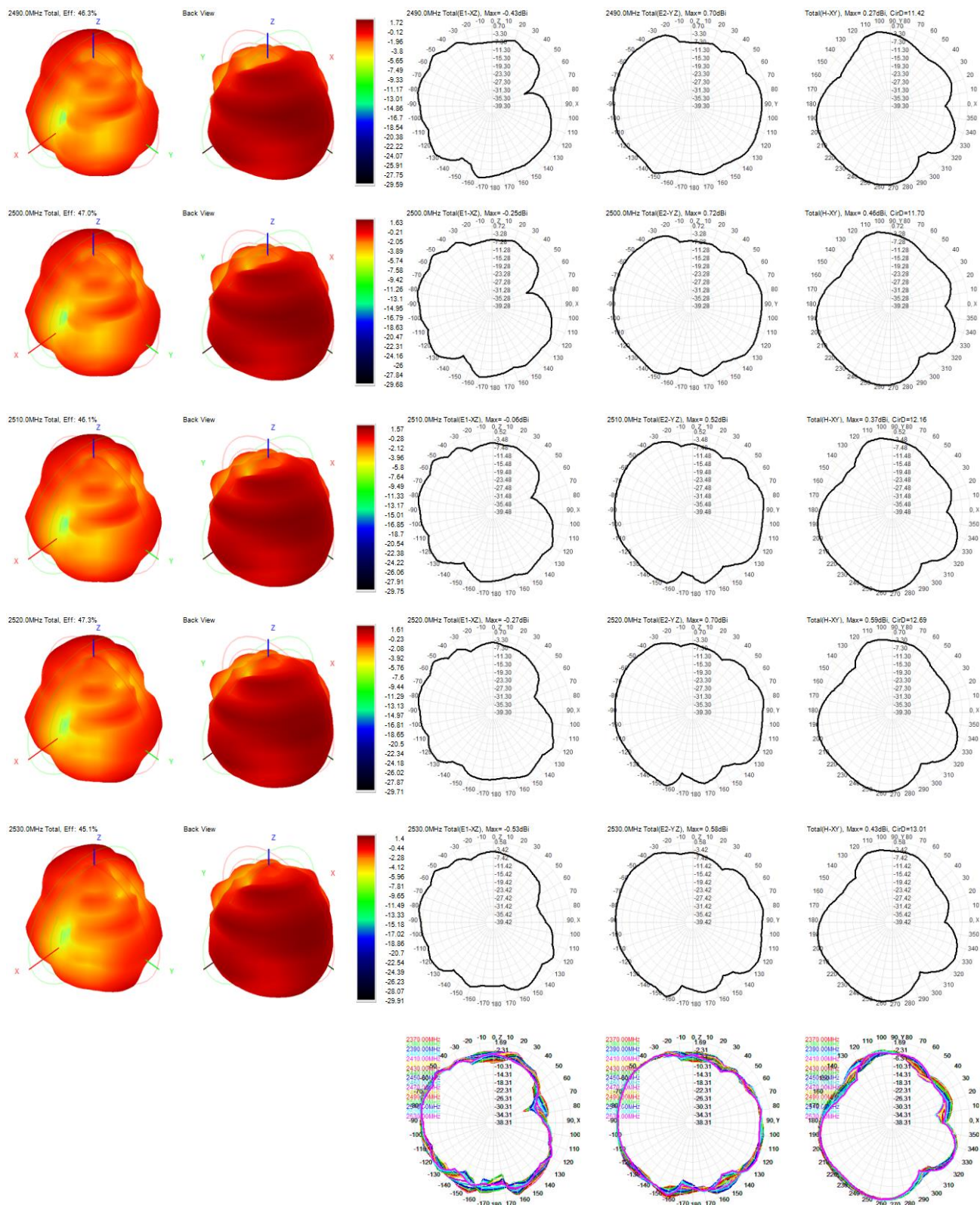
轴对称天线主瓣下倾角度 (平均值)	-17.67	-13.72	-9.75	-16.26	-17.58	-17.03	-23.50	-24.67
轴向(Z+)水平垂直极化隔 离度	0.86	1.70	3.30	5.27	6.33	6.84	7.28	7.07
Theta85.0 一周最大增益	0.55	0.40	0.57	0.57	0.68	0.51	0.72	0.53
Theta85.0 一周圆度(为 最大最小增益值的差, 不 是+/-的值)	11.98	11.98	12.26	12.70	13.13	13.61	14.05	14.11



3D Pattern:







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