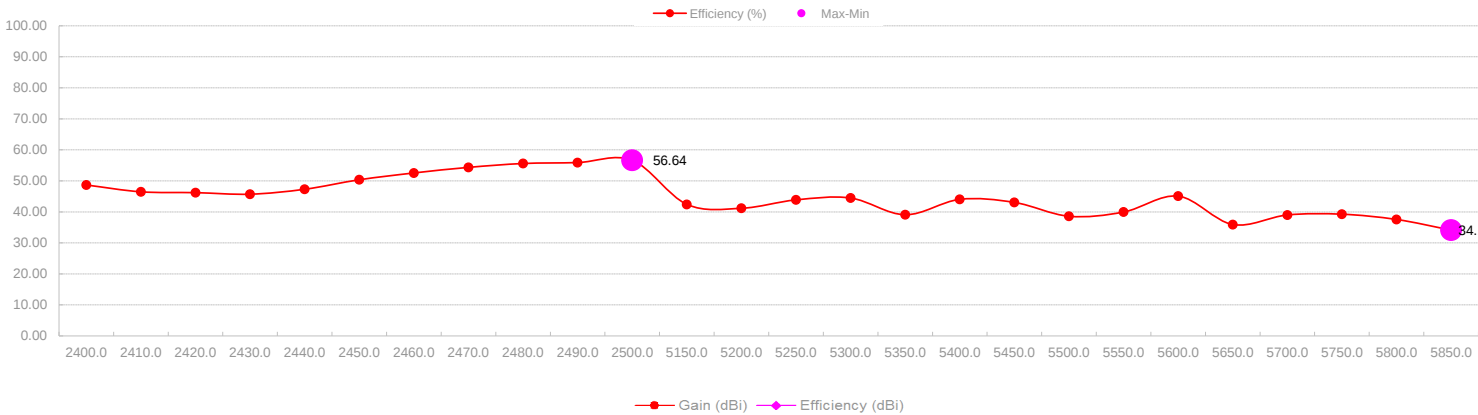
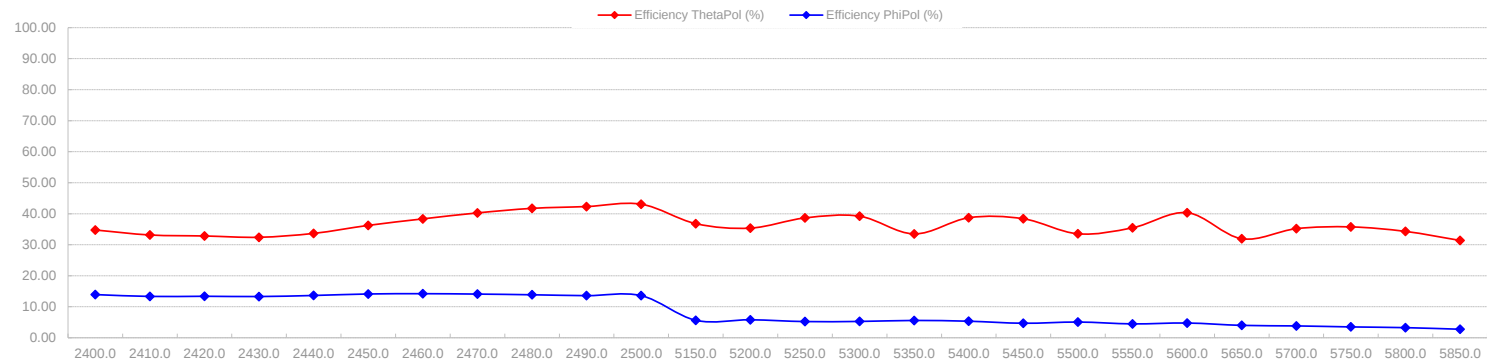
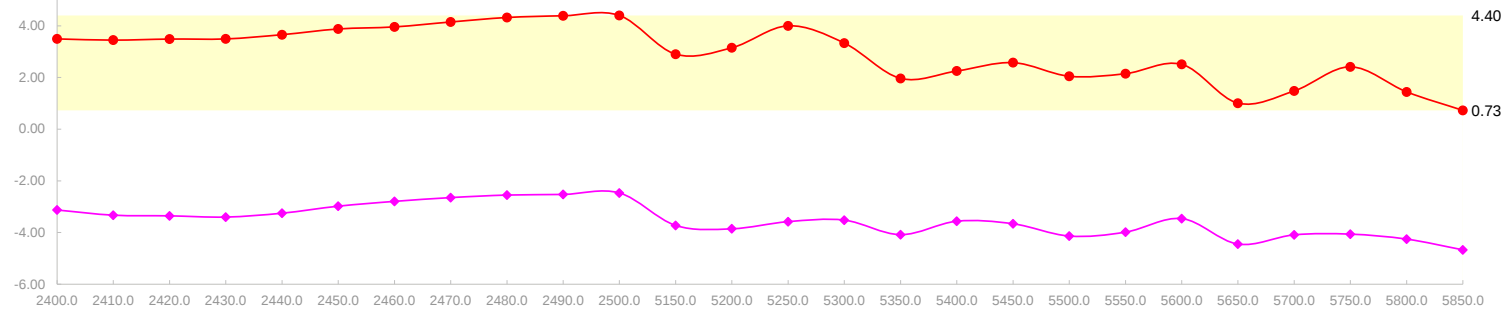




深圳市睿达永利科技

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
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Efficiency (dBi)	-3.13	-3.33	-3.35	-3.40	-3.25	-2.98	-2.79	-2.65	-2.55	-2.53	-2.47	-3.72	-3.86	-3.58	-3.52	-4.08	-3.56	-3.66	-4.14	-3.98	-3.46	-4.45	-4.09	-4.06	-4.25	-4.67
Gain (dBi)	3.49	3.45	3.49	3.49	3.66	3.88	3.96	4.15	4.32	4.39	4.40	2.90	3.15	4.00	3.33	1.96	2.25	2.57	2.05	2.15	2.51	1.01	1.48	2.41	1.44	0.73
Efficiency (%)	48.67	46.47	46.20	45.70	47.30	50.36	52.55	54.35	55.59	55.90	56.64	42.42	41.16	43.87	44.47	39.07	44.04	43.05	38.59	39.95	45.09	35.92	39.01	39.25	37.55	34.13
Directivity (dB)	6.62	6.77	6.84	6.89	6.91	6.86	6.75	6.80	6.87	6.91	6.87	6.63	7.01	7.58	6.85	6.05	5.81	6.23	6.18	6.13	5.97	5.45	5.57	6.47	5.70	5.40
Peak Gain Position (Theta)	142.00	142.00	143.00	143.00	144.00	145.00	145.00	146.00	146.00	146.00	145.00	101.00	99.00	99.00	97.00	96.00	96.00	95.00	91.00	92.00	92.00	90.00	91.00	91.00	89.00	30.00
Peak Gain Position (Phi)	323.00	323.00	324.00	325.00	326.00	327.00	328.00	328.00	329.00	329.00	330.00	50.00	50.00	50.00	51.00	55.00	60.00	63.00	84.00	86.00	65.00	86.00	82.00	74.00	66.00	157.00
Efficiency ThetaPol (%)	34.75	33.14	32.82	32.40	33.66	36.23	38.34	40.26	41.73	42.32	43.07	36.80	35.36	38.64	39.20	33.49	38.71	38.37	33.52	35.47	40.33	31.92	35.18	35.75	34.29	31.38
Efficiency PhiPol (%)	13.92	13.33	13.38	13.30	13.64	14.12	14.21	14.09	13.86	13.58	13.58	5.63	5.80	5.23	5.27	5.58	5.33	4.68	5.07	4.48	4.76	4.00	3.83	3.50	3.26	2.75
Upper Hem. Efficiency (%)	18.16	16.91	16.55	15.96	16.00	16.71	17.67	18.31	18.52	18.40	18.60	19.74	17.36	18.11	21.31	18.61	21.22	21.95	19.41	19.86	24.84	21.31	21.60	21.30	23.09	22.24
Lower Hem. Efficiency (%)	30.51	29.56	29.65	29.74	31.30	33.64	34.87	36.04	37.07	37.50	38.04	22.68	23.80	25.76	23.16	20.46	22.82	21.11	19.18	20.09	20.24	14.61	17.41	17.95	14.46	11.89
T90(H) 圆度	8.07	8.43	8.93	9.52	10.01	9.97	9.32	8.67	8.35	8.23	8.19	7.83	6.78	5.80	6.47	7.52	6.78	5.79	6.16	6.13	6.49	6.86	4.23	4.80	6.96	4.45
Gain 15deg (dBi)																										
E1(XZ) 波瓣宽度	46.00	44.00	41.00	40.00	39.00	39.00	38.00	37.00	36.00	35.00	34.00	22.00	25.00	23.00	25.00	38.00	25.00	25.00	23.00	22.00	23.00	34.00	30.00	19.00	33.00	32.00
E1(XZ) 前后比	0.54	0.48	0.33	0.21	0.13	0.04	0.00	0.00	0.00	0.02	0.07	0.00	0.98	2.60	2.05	0.51	1.22	3.10	1.40	1.85	3.82	3.29	4.55	6.91	5.69	7.99
E2(YZ) 波瓣宽度	42.00	42.00	41.00	38.00	35.00	34.00	34.00	34.00	34.00	34.00	37.00	29.00	24.00	22.00	22.00	21.00	22.00	21.00	20.00	20.00	21.00	22.00	19.00	19.00	22.00	20.00
E2(YZ) 前后比	0.47	0.66	0.73	0.70	0.59	0.39	0.21	0.09	0.06	0.05	0.04	2.00	2.28	4.16	3.57	2.14	2.86	4.68	3.90	4.92	6.53	5.63	6.07	8.81	8.13	9.76
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	1.50	1.50	1.50	1.50	1.50
顶点(Theta=0)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	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	1.50	1.50	1.50	1.50	1.50
Hc(XY) 波瓣宽度	53.00	55.00	55.00	53.00	49.00	48.00	48.00	49.00	50.00	51.00	52.00	133.00	135.00	149.00	147.00	131.00	118.00	126.00	115.00	120.00	241.00	129.00	127.00	263.00	233.00	277.00
Hc(XY) 前后比	3.70	3.77	4.00	4.33	4.60	4.67	4.60	4.62	4.71	4.86	5.05	1.67	1.78	1.06	1.56	1.91	1.28	1.66	2.29	1.71	1.90	2.24	1.09	1.76	1.90	0.57
最大增益处交极比(+/-45极化)	6.81	6.99	6.71	6.89	6.98	7.24	7.73	8.14	8.83	9.71	10.86	9.71	9.05	10.56	9.16	7.53	10.72	11.95	7.91	8.56	12.15	9.03	11.85	12.78	11.87	17.92
最大增益处交极比(水平垂直极化)	6.81	6.99	6.71	6.89	6.98	7.24	7.73	8.14	8.83	9.71	10.86	9.71	9.05	10.56	9.16	7.53	10.72	11.95	7.91	8.56	12.15	9.03	11.85	12.78	11.87	17.92
T60度Phi一圈最差交极比(+/-4	0.05	0.05	0.04	0.05	0.02	0.02	0.00	0.01	0.05	0.03	0.05	3.03	1.61	2.35	2.20	3.70	2.55	1.62	0.05	2.01	2.50	2.29	1.97	3.17	5.25	4.95
T60度Phi一圈最差交极比(水平垂	0.05	0.05	0.04	0.05	0.02	0.02	0.00	0.01	0.05	0.03	0.05	3.03	1.61	2.35	2.20	3.70	2.55	1.62	0.05	2.01	2.50	2.29	1.97	3.17	5.25	4.95
T90度(H)Phi一圈最差交极比(+	0.00	0.03	0.03	0.00	0.00	0.56	1.22	1.89	2.65	2.93	2.98	3.35	4.77	6.34	6.06	5.08	6.59	6.99	5.92	7.92	7.20	5.35	7.03	8.45	6.31	5.02
T90度(H)Phi一圈最差交极比(外	0.00	0.03	0.03	0.00	0.00	0.56	1.22	1.89	2.65	2.93	2.98	3.35	4.77	6.34	6.06	5.08	6.59	6.99	5.92	7.92	7.20	5.35	7.03	8.45	6.31	5.02
轴对称天线主瓣下倾角度 (平均	-53.33	-53.57	-54.19	-53.28	-53.44	-53.85	-54.37	-55.11	-55.26	-54.91	-54.53	2.30	-11.26	6.46	6.24	1.32	7.38	16.65	13.95	8.22	20.41	42.83	35.76	14.17	36.24	44.29
轴向(Z+)水平垂直极化隔离度	8.82	6.14	5.54	8.14	16.08	23.37	13.61	10.66	9.06	7.90	7.03	6.16	5.18	7.33	2.92	1.68	1.66	1.88	0.37	4.38	1.28	0.28	1.09	10.69	6.54	6.17



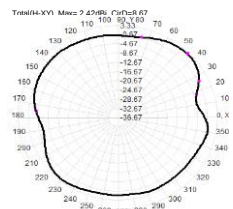
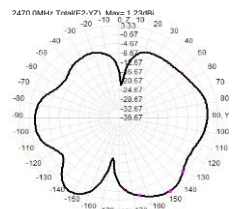
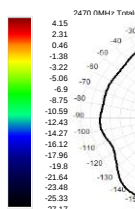
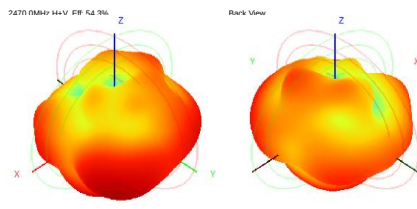
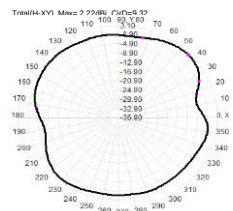
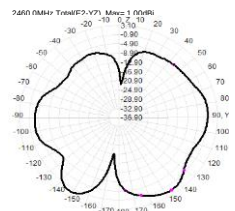
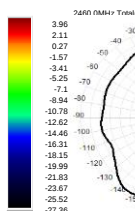
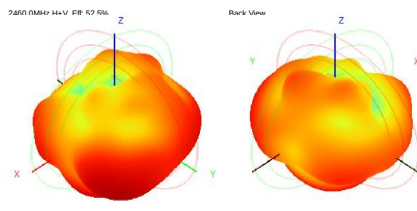
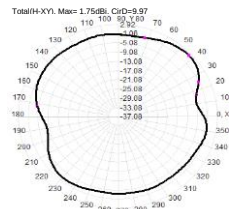
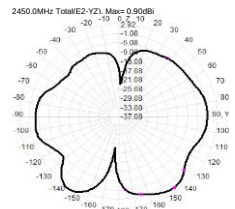
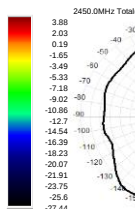
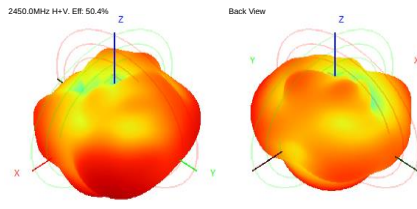
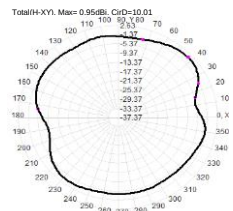
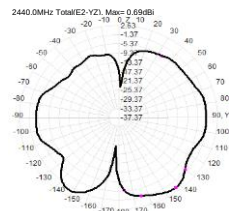
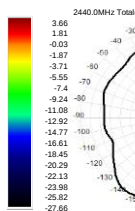
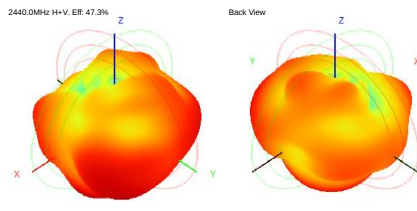
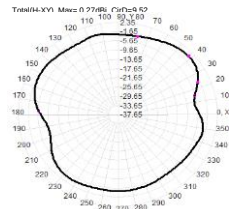
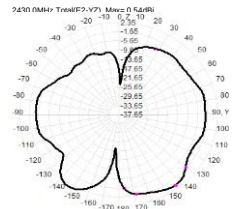
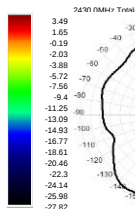
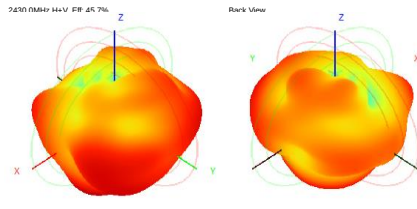
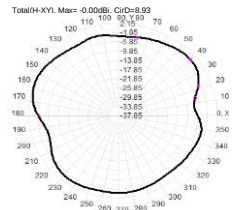
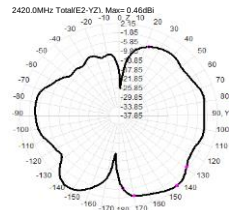
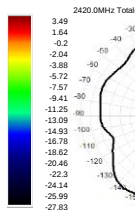
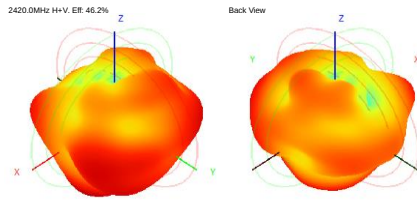
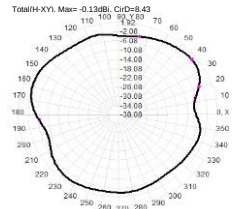
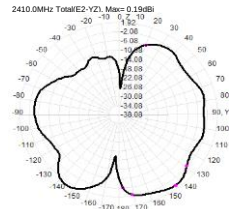
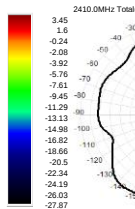
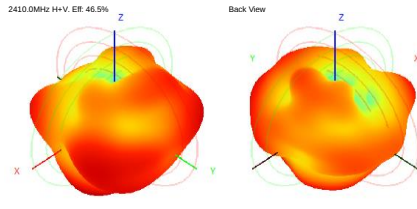
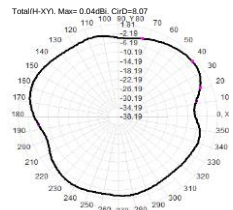
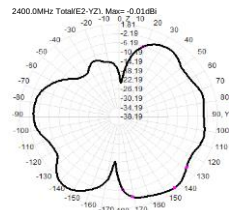
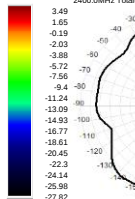
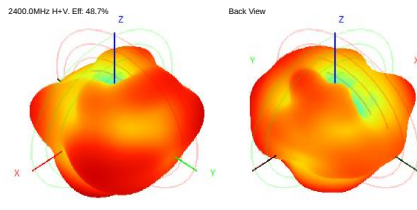


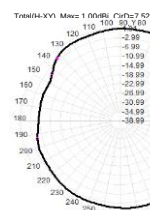
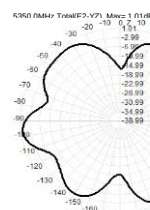
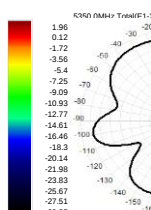
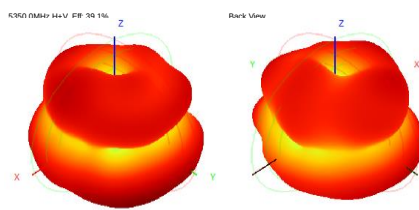
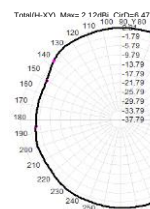
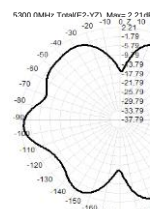
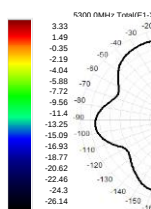
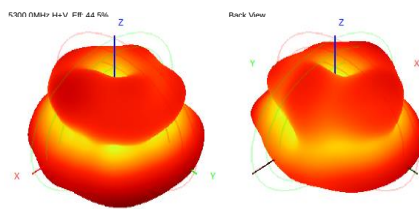
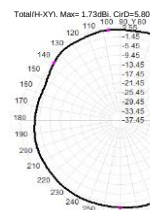
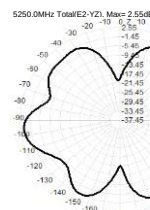
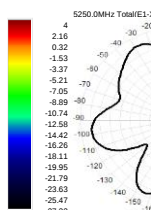
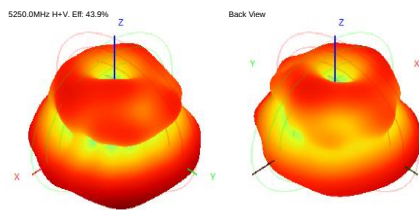
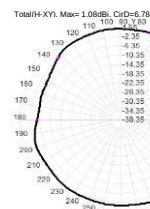
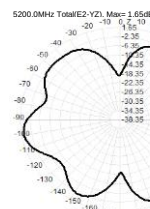
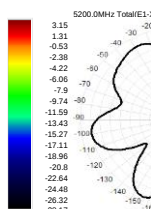
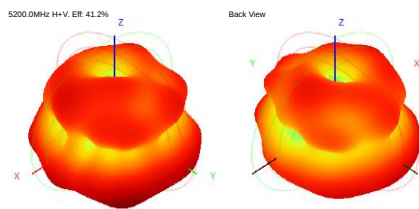
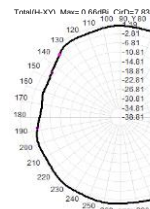
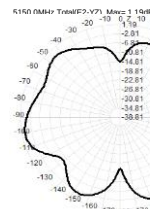
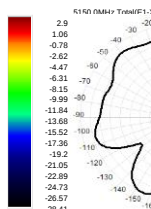
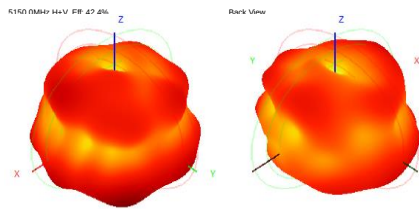
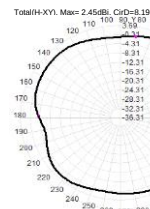
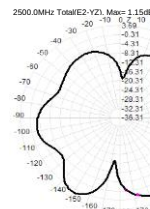
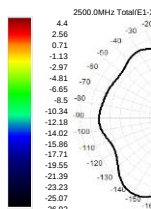
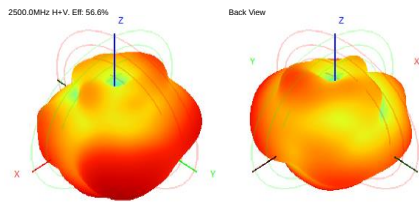
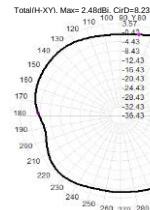
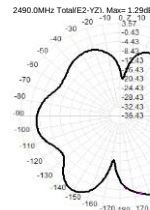
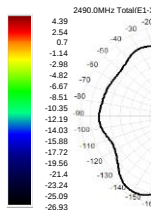
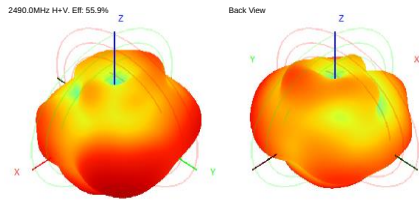
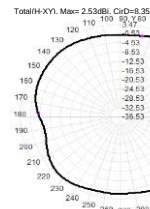
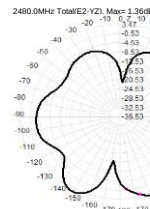
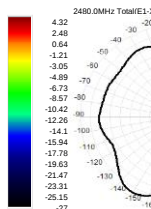
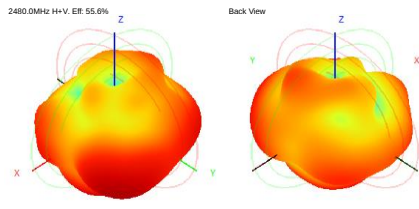
Antenna pattern



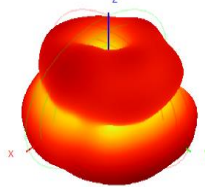
Manufacturer: Shenzhen TEYES High tech Co., Ltd.

Manufacturer's address: 16D, No.5 Golf Avenue, Guangpei Community, Guanlan Street, Longhua District, Shenzhen, China

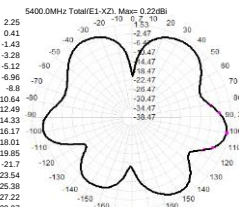
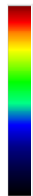
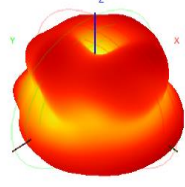




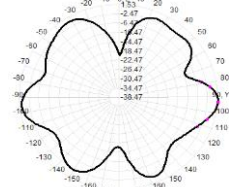
5450.0MHz H+V: ER: 44.0%



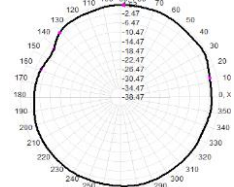
Back View



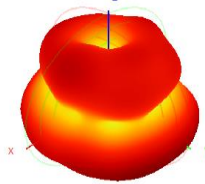
5450.0MHz TotalE1-YZ1, Max: 0.23dB



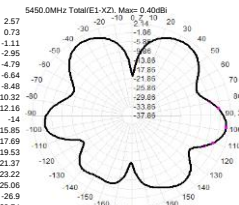
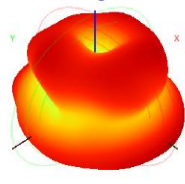
Total(H+V): Max: 1.31dB, Cx/D: 6.79



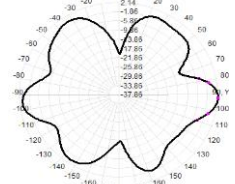
5450.0MHz H+V: ER: 43.1%



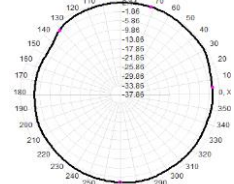
Back View



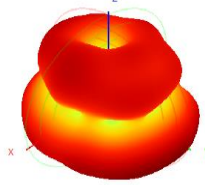
5450.0MHz TotalE2-YZ1, Max: 2.14dB



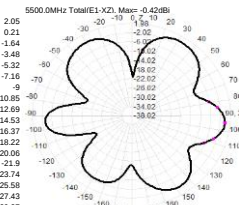
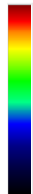
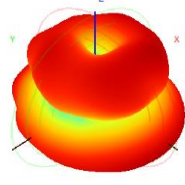
Total(H+V): Max: 2.10dB, Cx/D: 5.79



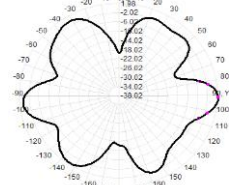
5500.0MHz H+V: ER: 38.6%



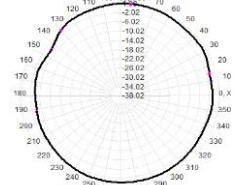
Back View



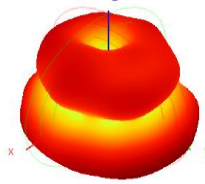
5500.0MHz TotalE2-YZ1, Max: 1.97dB



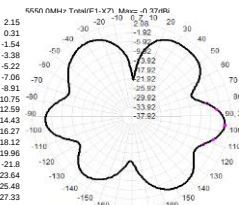
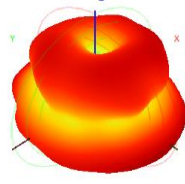
Total(H+V): Max: 1.98dB, Cx/D: 6.16



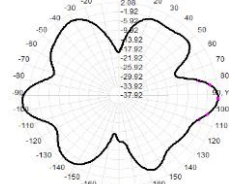
5500.0MHz H+V: ER: 38.0%



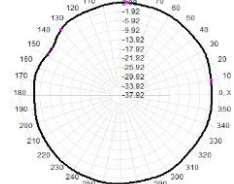
Back View



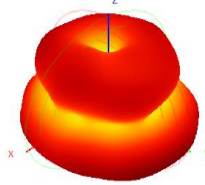
5500.0MHz TotalE2-YZ1, Max: 2.08dB



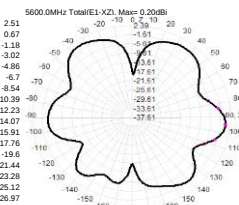
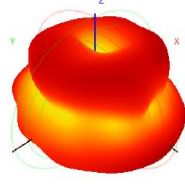
Total(H+V): Max: 2.01dB, Cx/D: 6.13



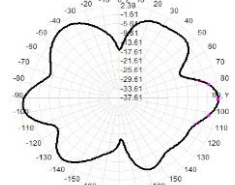
5600.0MHz H+V: ER: 45.1%



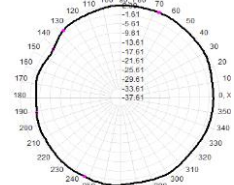
Back View



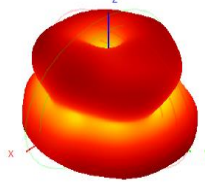
5600.0MHz TotalE2-YZ1, Max: 2.38dB



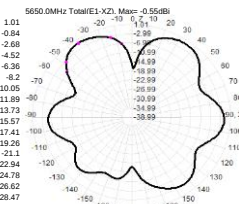
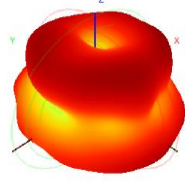
Total(H+V): Max: 2.39dB, Cx/D: 6.49



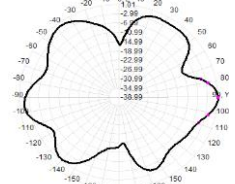
5650.0MHz H+V: ER: 35.9%



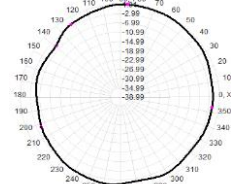
Back View



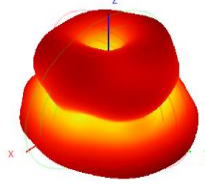
5650.0MHz TotalE2-YZ1, Max: 0.95dB



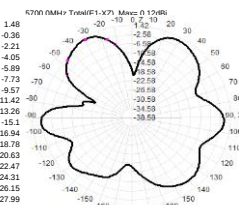
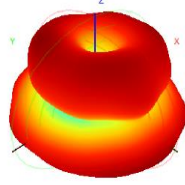
Total(H+V): Max: 1.01dB, Cx/D: 6.86



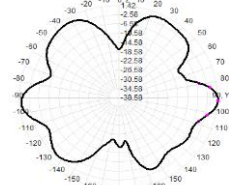
6700.0MHz H+V: ER: 30.0%



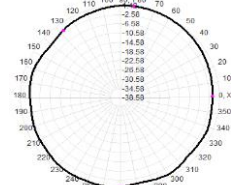
Back View



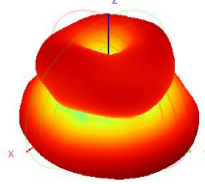
6700.0MHz TotalE2-YZ1, Max: 1.34dB



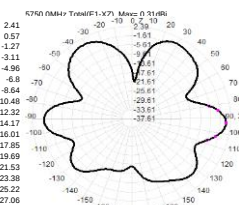
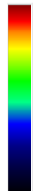
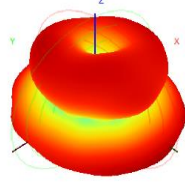
Total(H+V): Max: 1.43dB, Cx/D: 6.73



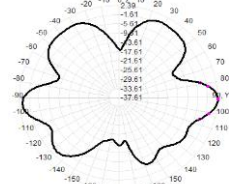
6700.0MHz H+V: ER: 30.3%



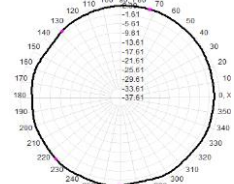
Back View



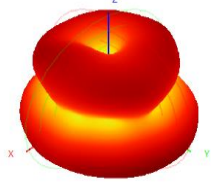
6700.0MHz TotalE2-YZ1, Max: 2.36dB



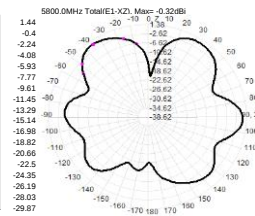
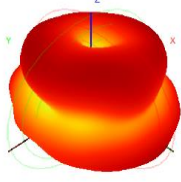
Total(H+V): Max: 2.39dB, Cx/D: 6.80



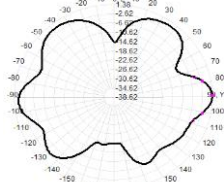
5800.0MHz H+V, ER: 37.0%



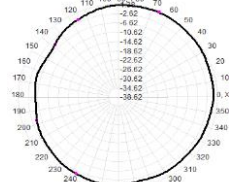
Back View



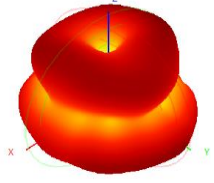
5800.0MHz Total(E2-YZ), Max=1.03dB



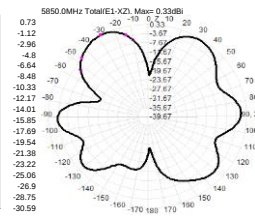
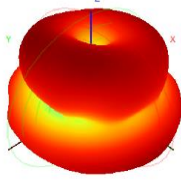
Total(H+V), Max=1.38dB, Cx/D=6.96



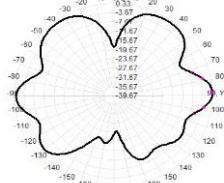
5850.0MHz H+V, ER: 34.1%



Back View



5850.0MHz Total(E2-YZ), Max=0.06dB



Total(H+V), Max=0.22dB, Cx/D=4.45

