

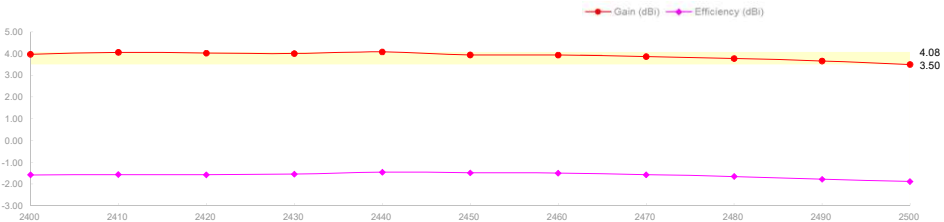
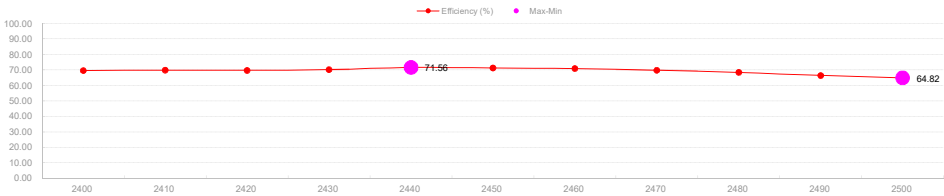


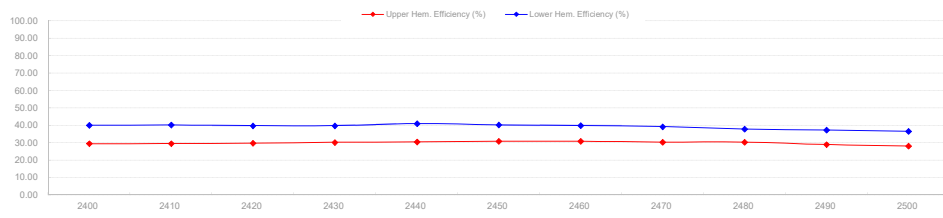
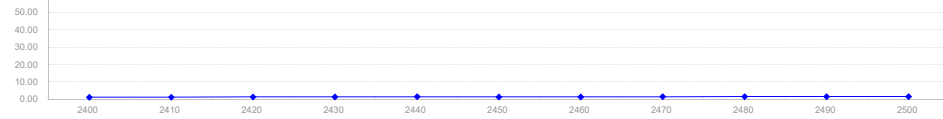
Dongguan Songhui Industrial Co., Ltd.

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)	-1.58	-1.56	-1.57	-1.54	-1.45	-1.47	-1.49	-1.57	-1.65	-1.78	-1.88
Gain (dBi)	3.97	4.06	4.02	4.00	4.08	3.94	3.93	3.87	3.77	3.66	3.50
Efficiency (%)	69.57	69.78	69.67	70.15	71.56	71.21	70.89	69.73	68.38	66.36	64.82
Directivity (dB)	5.54	5.62	5.59	5.54	5.53	5.41	5.43	5.43	5.42	5.44	5.38
Peak Gain Position (Theta)	95.00	94.00	95.00	95.00	95.00	95.00	94.00	93.00	94.00	94.00	94.00
Peak Gain Position (Phi)	131.00	130.00	131.00	131.00	131.00	131.00	130.00	129.00	128.00	129.00	130.00
Efficiency ThetaPol (%)	68.24	68.36	68.18	68.60	69.96	69.62	69.31	68.14	66.76	64.73	63.19
Efficiency PhiPol (%)	1.34	1.42	1.49	1.55	1.60	1.58	1.58	1.60	1.62	1.63	1.63
Upper Hem. Efficiency (%)	29.51	29.56	29.81	30.29	30.50	30.86	30.89	30.42	30.42	29.00	28.19
Lower Hem. Efficiency (%)	40.06	40.22	39.87	39.85	41.06	40.35	40.00	39.31	37.96	37.36	36.63
T90(H)Roundness	2.28	2.31	2.37	2.39	2.40	2.41	2.44	2.53	2.58	2.61	2.63
Gain 15deg (dBi)											
E1(XZ)Beam width	36.43	35.79	36.73	37.77	38.15	39.56	39.28	39.38	39.66	39.20	39.71
E1(XZ)Ratio before and after	13.13	13.25	13.13	12.72	12.18	11.64	11.33	11.08	10.80	10.43	10.00
E2(YZ)Beam width	34.93	31.37	32.05	32.69	34.21	36.09	35.23	35.12	34.09	33.35	33.34
E2(YZ)Ratio before and after	16.36	15.73	14.96	14.85	14.86	14.95	14.49	13.62	12.95	12.36	11.90
Maximum gain ratio axis (P)	20.84	20.17	20.12	19.27	19.12	18.44	17.62	16.73	16.08	16.64	16.37
Axial ratio (P) at the vertex (Theta = 0)	6.41	11.20	17.03	16.80	12.50	10.11	9.09	9.08	10.23	12.28	15.44
The angle of elevation of 10 degrees is the worst (maximum) for the major axis ratio (P)	58.33	50.49	53.72	53.74	55.30	53.92	55.20	57.70	62.63	55.15	51.83
Hc(XY)Beam width	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
Hc(XY)Ratio before and after	0.65	0.57	0.53	0.49	0.49	0.51	0.55	0.61	0.64	0.64	0.61
Left-handed circular polarization efficiency (%)	31.58	31.60	31.35	31.28	31.65	31.38	31.21	30.59	29.82	28.73	27.95
Right-handed circular polarization efficiency (%)	38.00	38.18	38.32	38.86	39.91	39.83	39.68	39.14	38.56	37.63	36.87
Maximum gain point intersection ratio (+/- 45 polarization)	3.76	3.90	4.05	4.14	4.04	3.93	3.89	3.84	3.78	3.69	3.57
Maximum gain ratio of the intersection of the horizontal and vertical polarizations	12.58	12.18	11.91	11.58	11.71	11.74	11.57	11.36	11.21	11.57	11.64
T80 degree Phi one cycle worst cross-polarization ratio (+/- 45 polarization)	0.00	0.01	0.02	0.05	0.03	0.03	0.02	0.04	0.01	0.00	0.00
The worst cross-polarization ratio (horizontal and vertical polarization) for a 60-degree Phi rotation circle	3.16	3.15	3.06	3.05	3.12	3.30	3.46	3.44	3.36	3.24	3.06
90-degree (H) Phi one cycle worst polarization ratio (+/- 45 polarization)	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.02	0.01	0.01
T90 degree (H) Phi one circle worst cross-polarization ratio (horizontal and vertical polarization)	11.92	11.71	11.25	10.84	10.47	10.28	10.30	10.24	10.29	10.33	10.43
The main lobe downtilt angle (average value) of the axisymmetric antenna	-3.26	-2.83	-3.10	-3.18	-4.12	-4.30	-3.56	-3.29	-2.21	-2.63	-2.99
Axial (Z+) horizontal and vertical polarization isolation degree	5.62	8.22	7.65	4.93	3.73	4.26	5.05	6.50	8.46	10.73	13.77
Theta 85.0 - Maximum weekly gain	3.06	3.12	3.07	3.09	3.11	3.08	3.17	3.16	3.17	2.99	2.80
Theta 85.0 Roundness (It is the difference between the maximum and minimum gain values, not the +/- values)	2.24	2.28	2.32	2.35	2.37	2.36	2.37	2.44	2.49	2.56	2.59

Manufacturer :

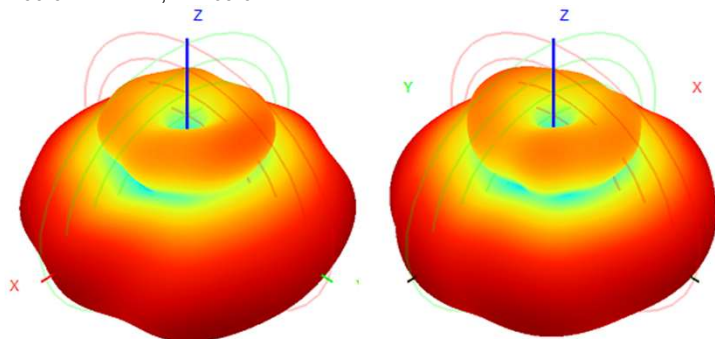
SHUN DA CHENG TECHNOLOGY CO., LTD



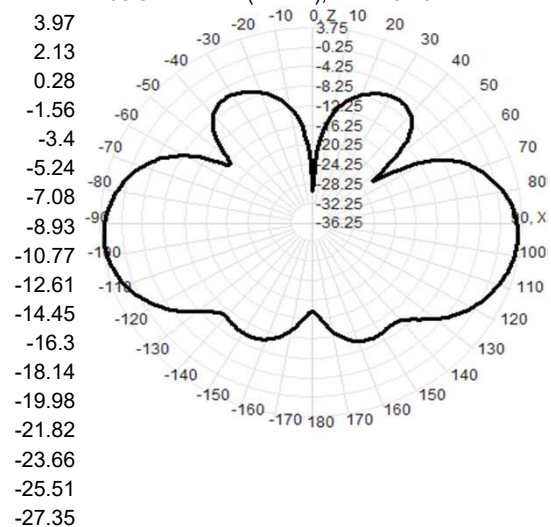


2400.0MHz Total, Eff: 69.6%

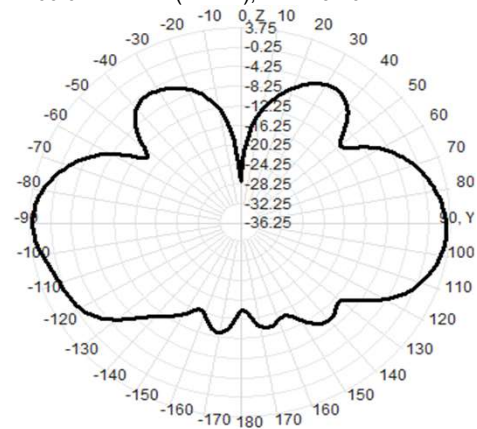
Back View



2400.0MHz Total(E1-XZ), Max= 3.16dBi

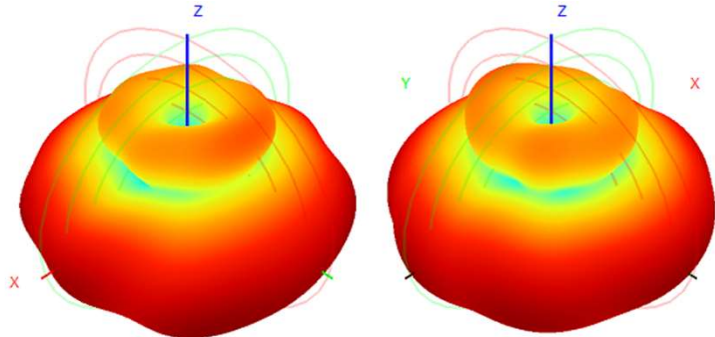


2400.0MHz Total(E2-YZ), Max= 3.10dBi

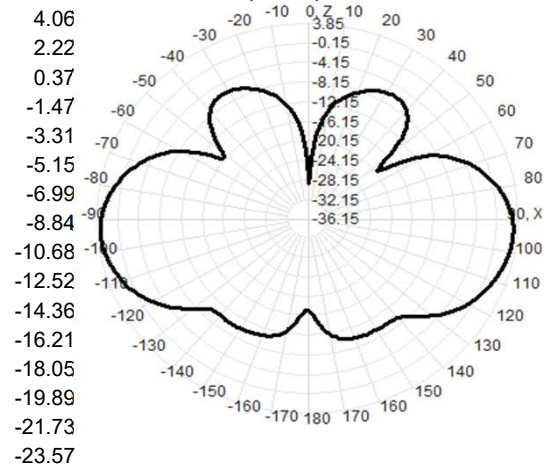


2410.0MHz Total, Eff: 69.8%

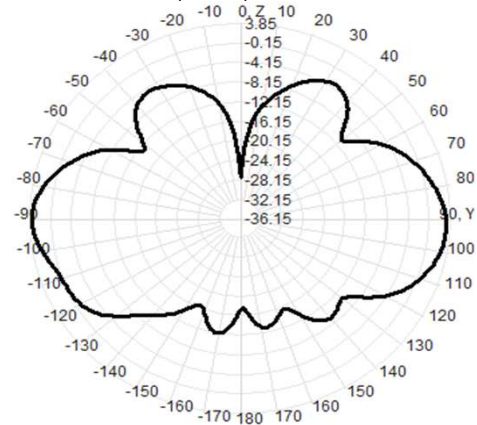
Back View



2410.0MHz Total(E1-XZ), Max= 3.20dBi



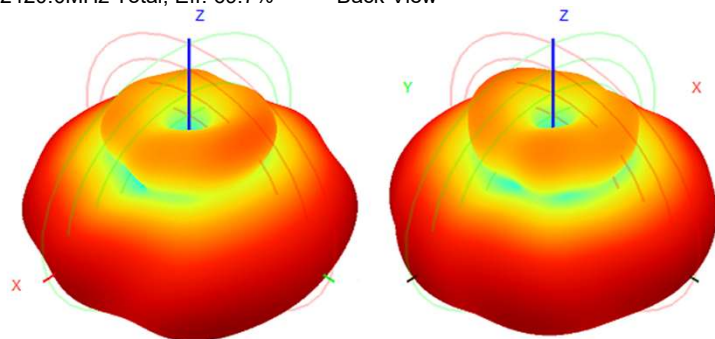
2410.0MHz Total(E2-YZ), Max= 3.28dBi



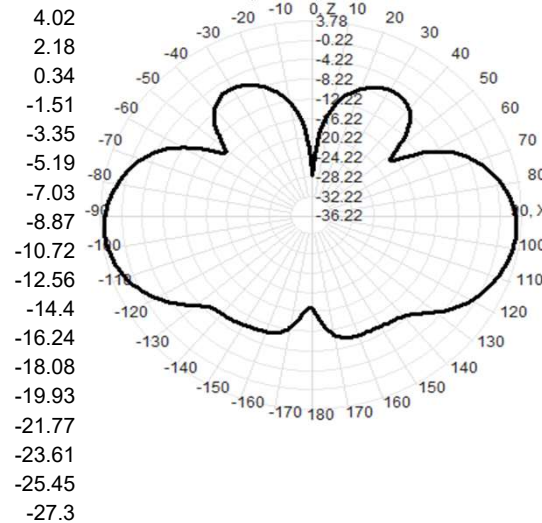


2420.0MHz Total, Eff: 69.7%

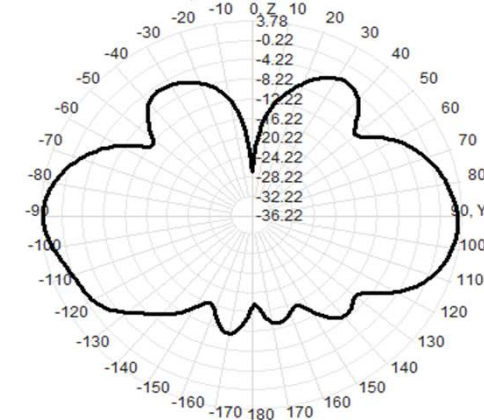
Back View



2420.0MHz Total(E1-XZ), Max= 3.10dBi

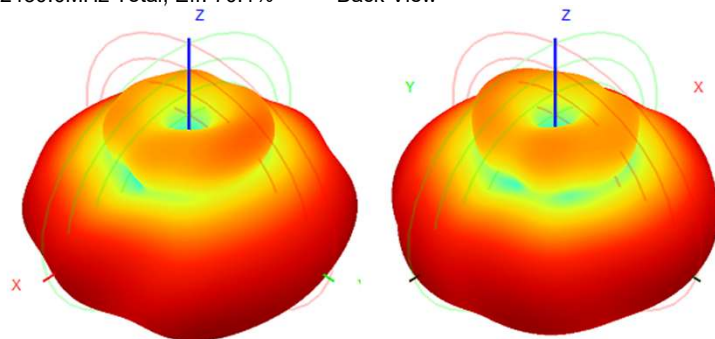


2420.0MHz Total(E2-YZ), Max= 3.25dBi

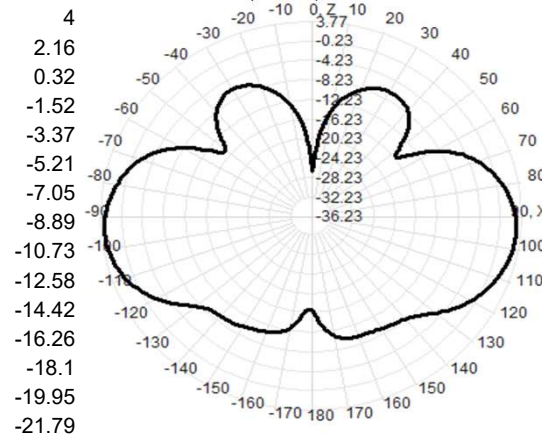


2430.0MHz Total, Eff: 70.1%

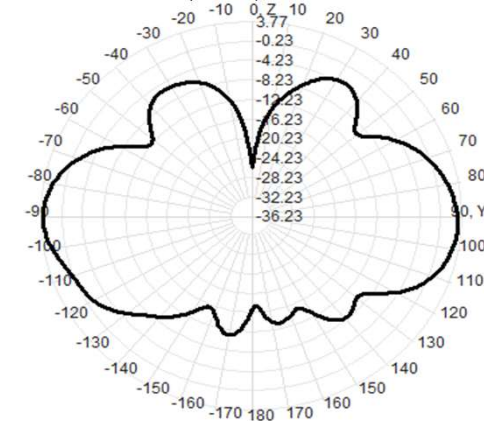
Back View



2430.0MHz Total(E1-XZ), Max= 3.04dBi



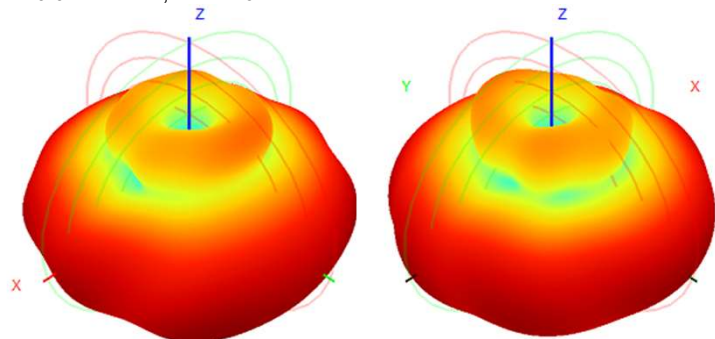
2430.0MHz Total(E2-YZ), Max= 3.28dBi



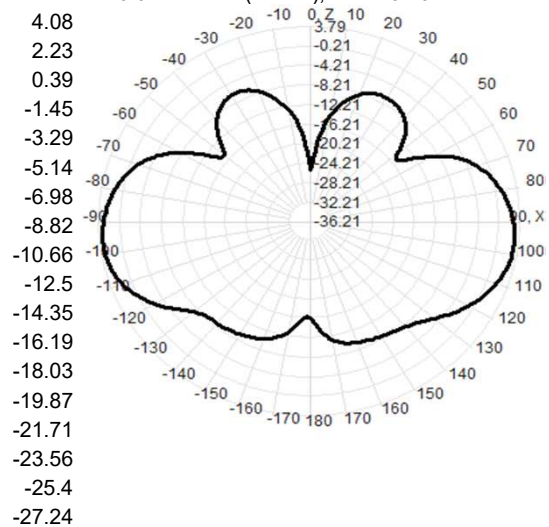


2440.0MHz Total, Eff: 71.6%

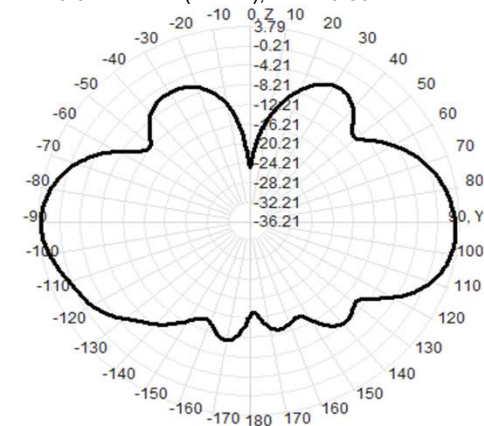
Back View



2440.0MHz Total(E1-XZ), Max= 3.10dBi

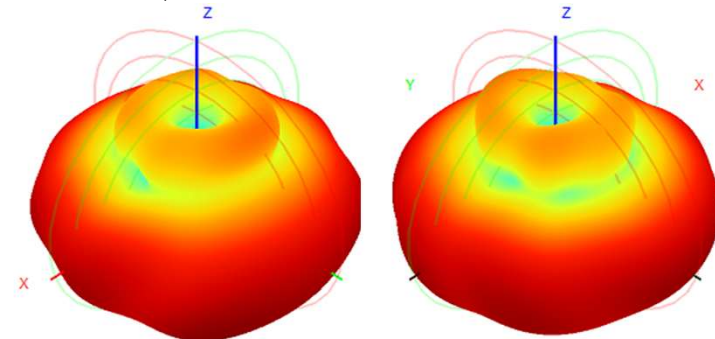


2440.0MHz Total(E2-YZ), Max= 3.30dBi

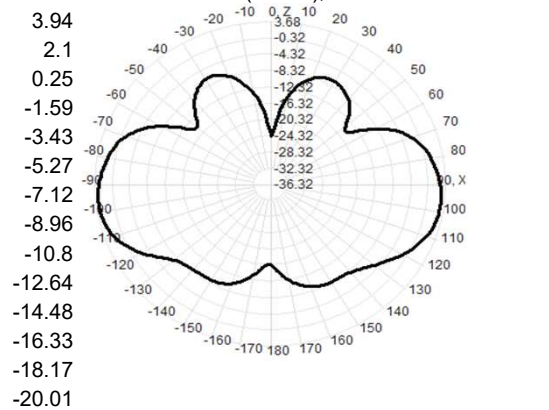


2450.0MHz Total, Eff: 71.2%

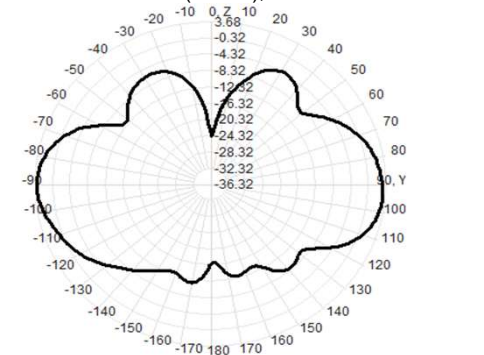
Back View



2450.0MHz Total(E1-XZ), Max= 2.98dBi



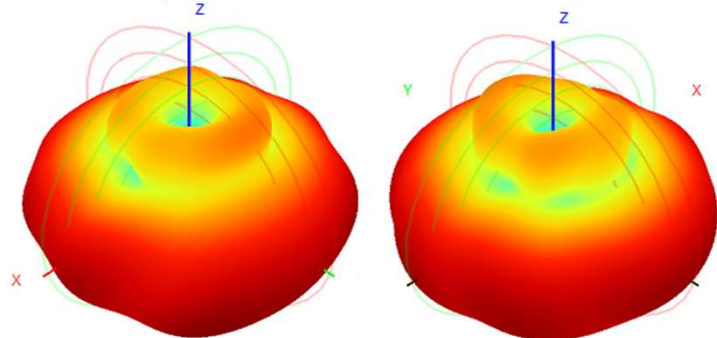
2450.0MHz Total(E2-YZ), Max= 3.17dBi



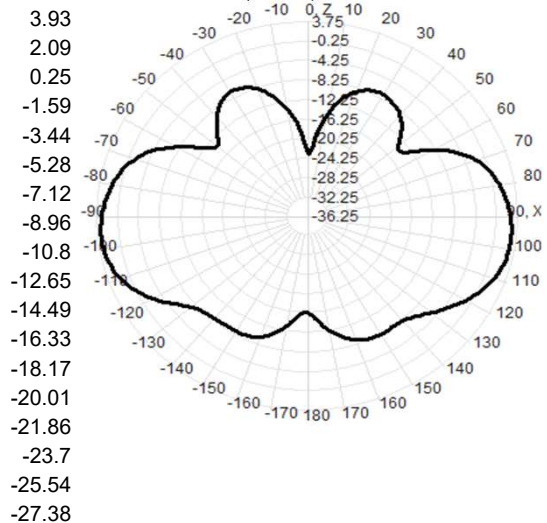


2460.0MHz Total, Eff: 70.9%

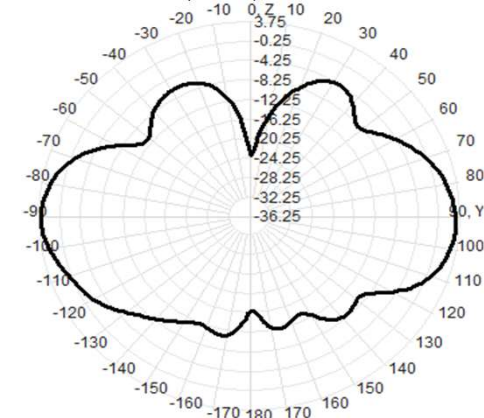
Back View



2460.0MHz Total(E1-XZ), Max= 2.98dBi

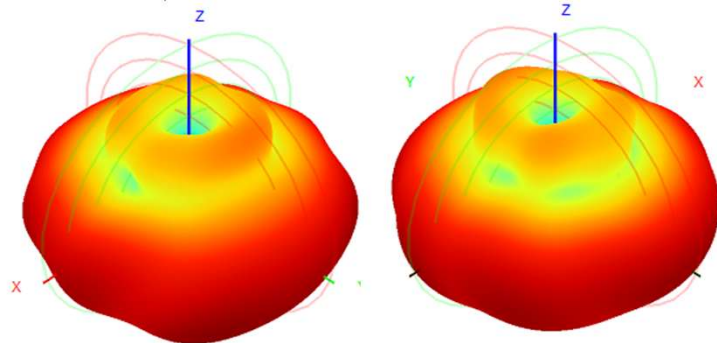


2460.0MHz Total(E2-YZ), Max= 3.20dBi

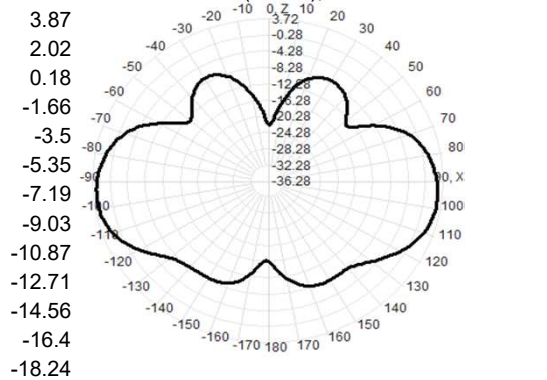


2470.0MHz Total, Eff: 69.7%

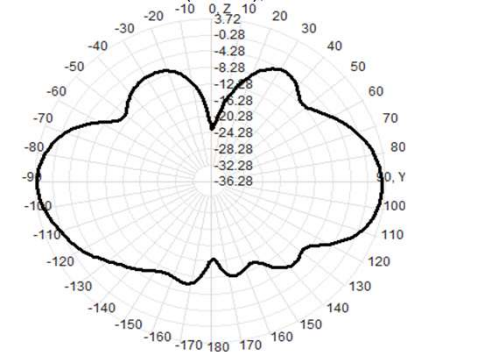
Back View



2470.0MHz Total(E1-XZ), Max= 2.90dBi



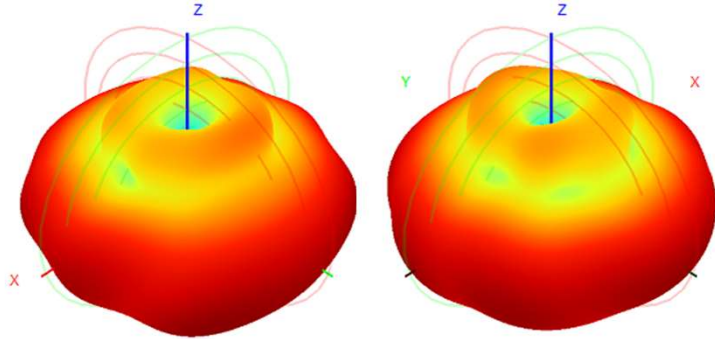
2470.0MHz Total(E2-YZ), Max= 3.10dBi



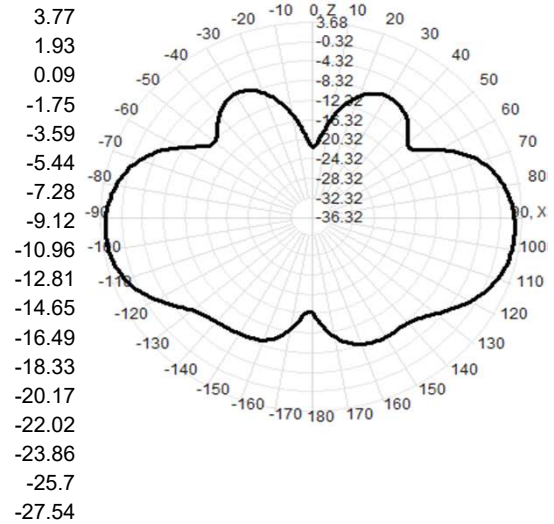


2480.0MHz Total, Eff: 68.4%

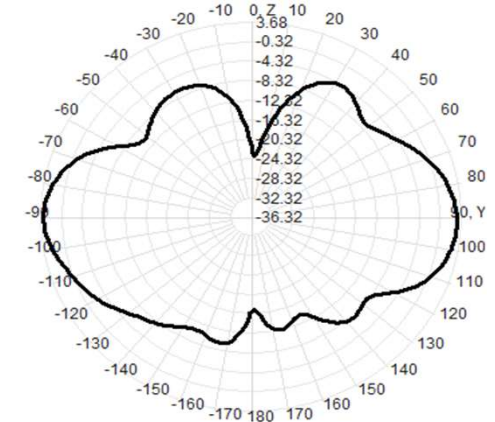
Back View



2480.0MHz Total(E1-XZ), Max= 2.77dBi

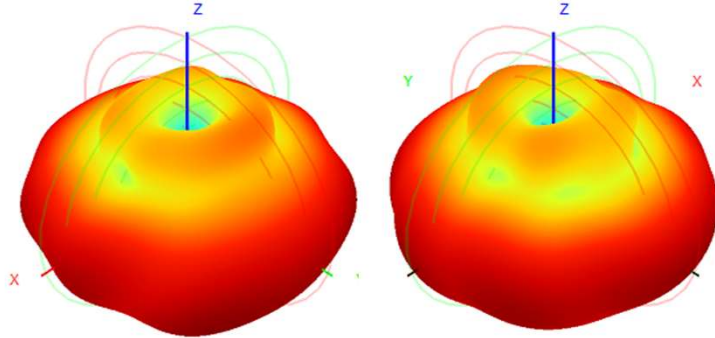


2480.0MHz Total(E2-YZ), Max= 3.04dBi

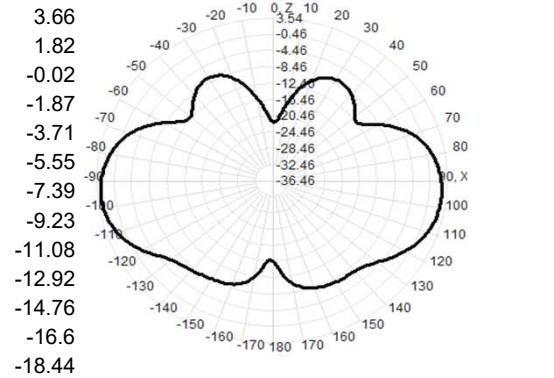


2490.0MHz Total, Eff: 66.4%

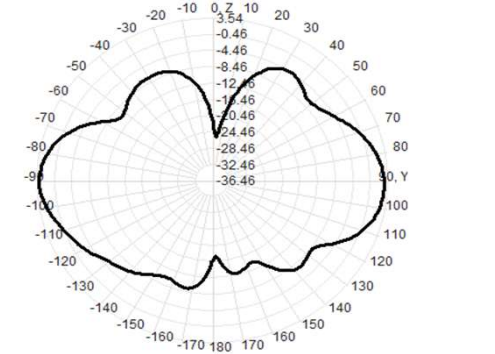
Back View



2490.0MHz Total(E1-XZ), Max= 2.66dBi



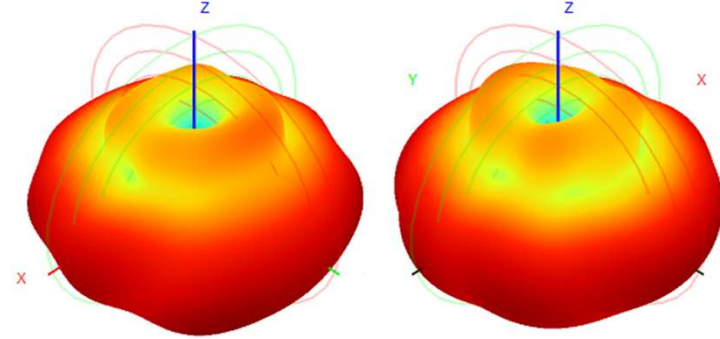
2490.0MHz Total(E2-YZ), Max= 2.91dBi



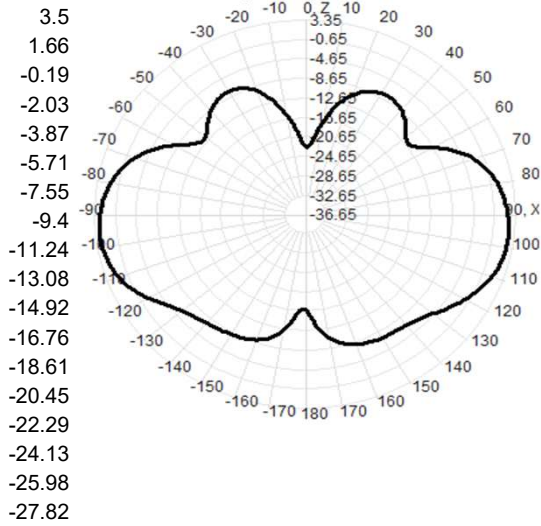


2500.0MHz Total, Eff: 64.8%

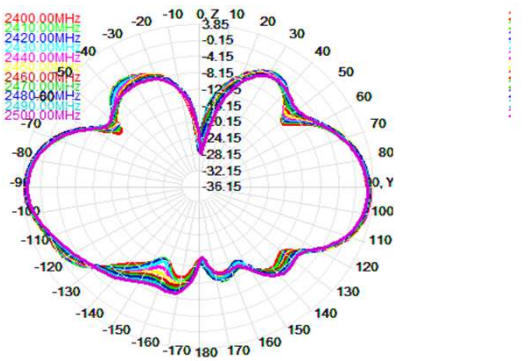
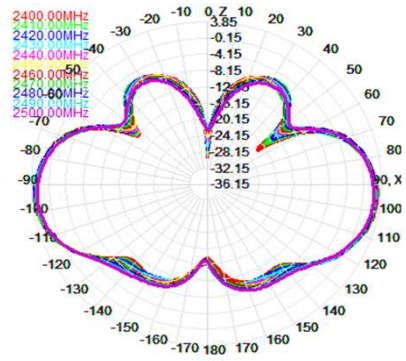
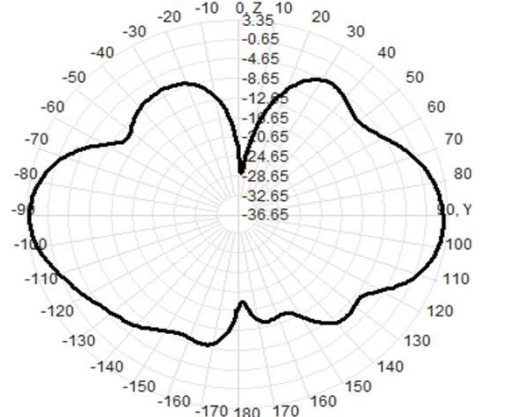
Back View



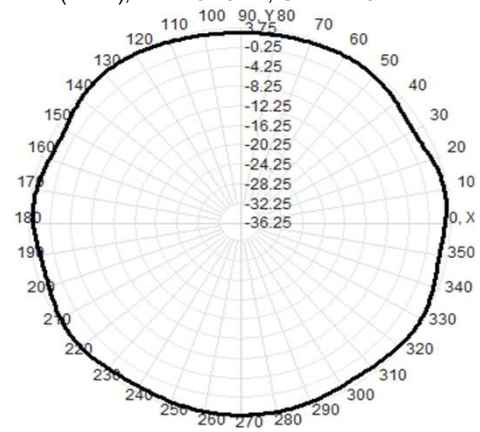
2500.0MHz Total(E1-XZ), Max= 2.48dBi



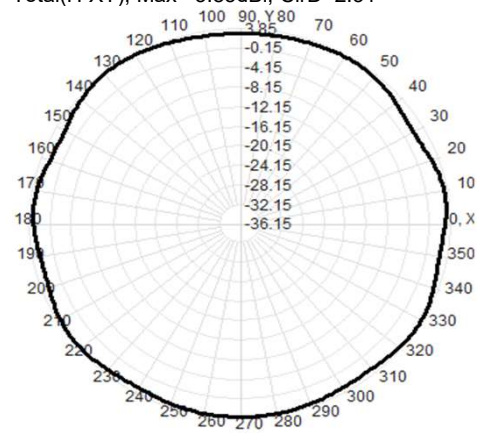
2500.0MHz Total(E2-YZ), Max= 2.75dBi



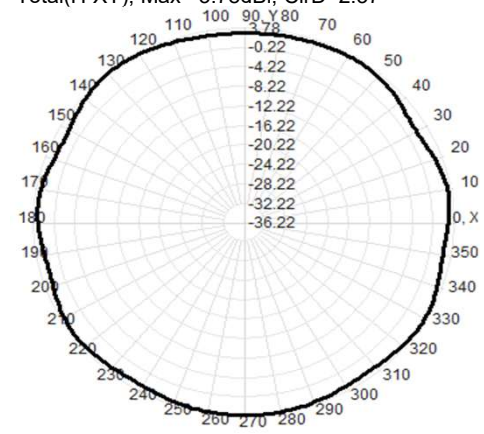
Total(H-XY), Max= 3.75dBi, CirD=2.28



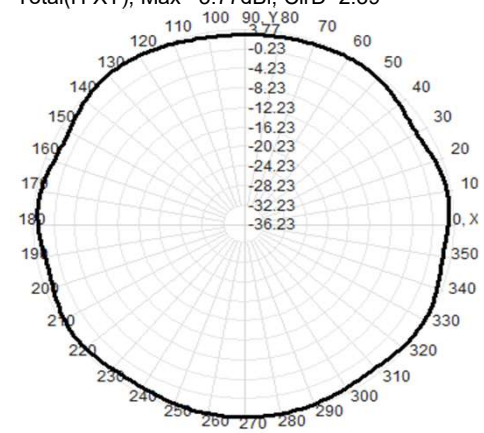
Total(H-XY), Max= 3.85dBi, CirD=2.31



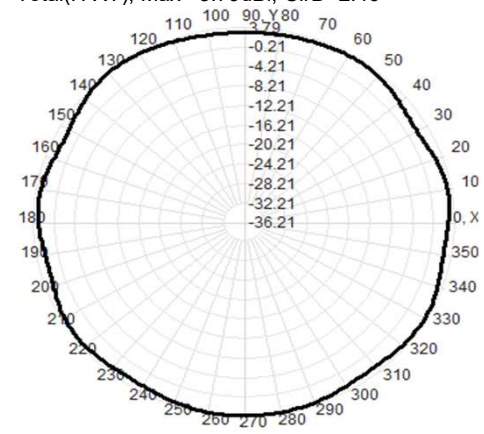
Total(H-XY), Max= 3.78dBi, CirD=2.37



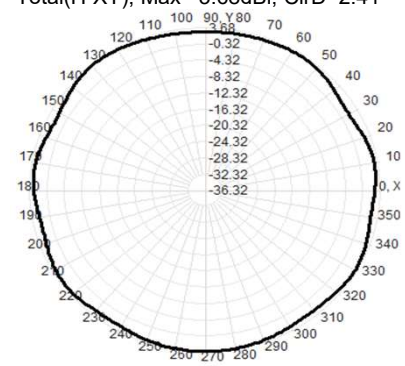
Total(H-XY), Max= 3.77dBi, CirD=2.39



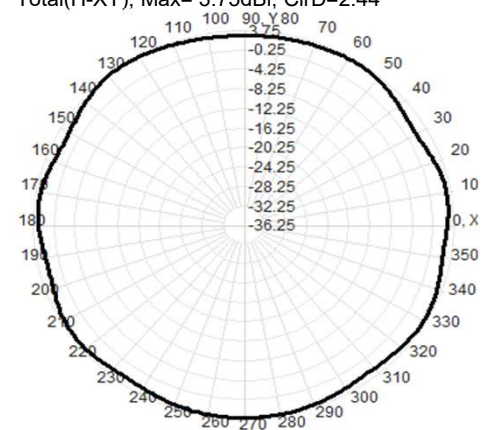
Total(H-XY), Max= 3.79dBi, CirD=2.40



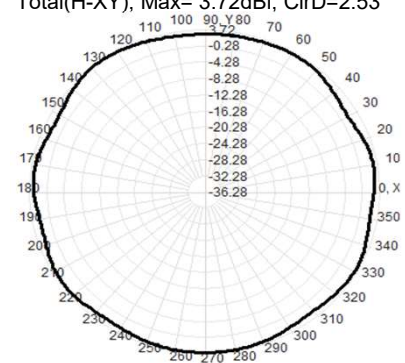
Total(H-XY), Max= 3.68dBi, CirD=2.41



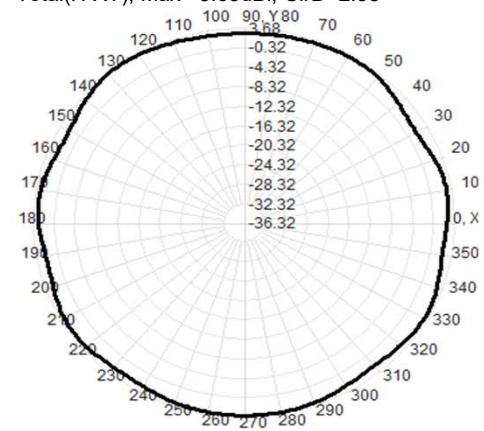
Total(H-XY), Max= 3.75dBi, CirD=2.44



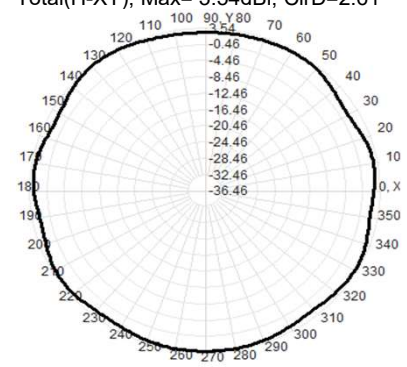
Total(H-XY), Max= 3.72dBi, CirD=2.53



Total(H-XY), Max= 3.68dBi, CirD=2.58



Total(H-XY), Max= 3.54dBi, CirD=2.61



Total(H-XY), Max= 3.35dBi, CirD=2.63

