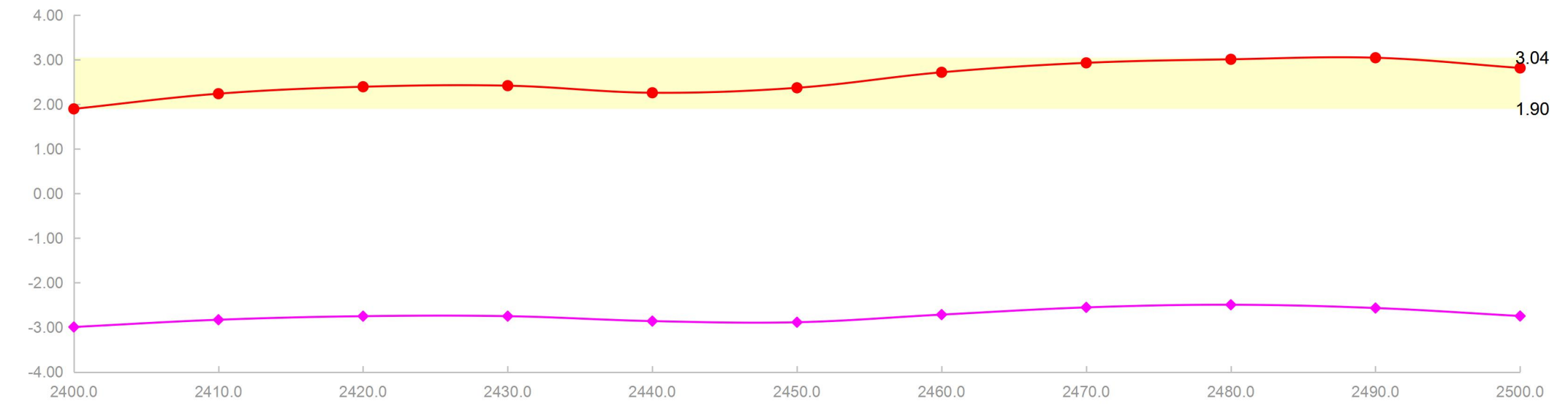


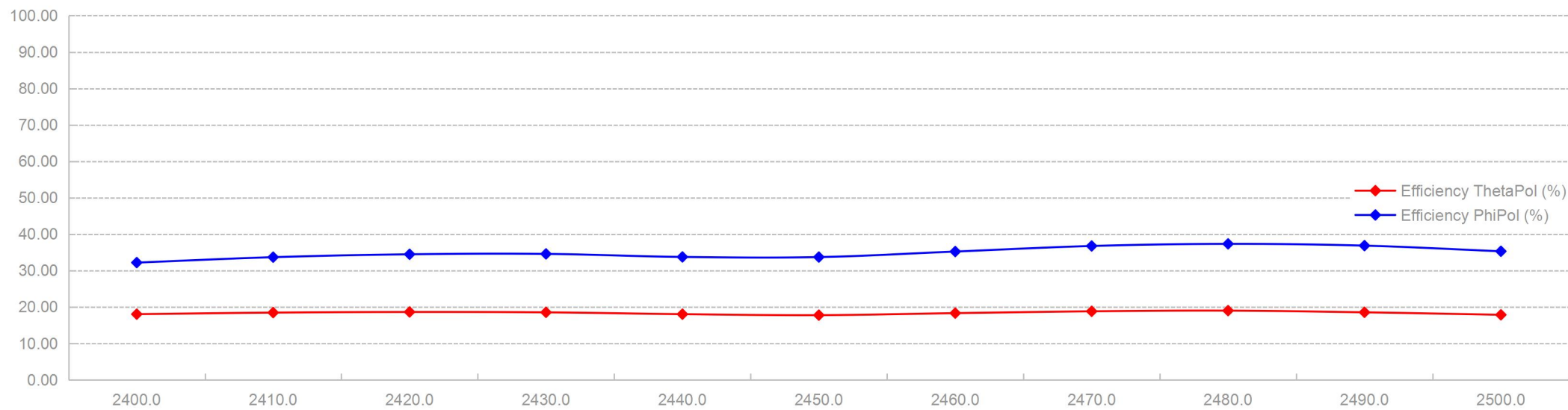
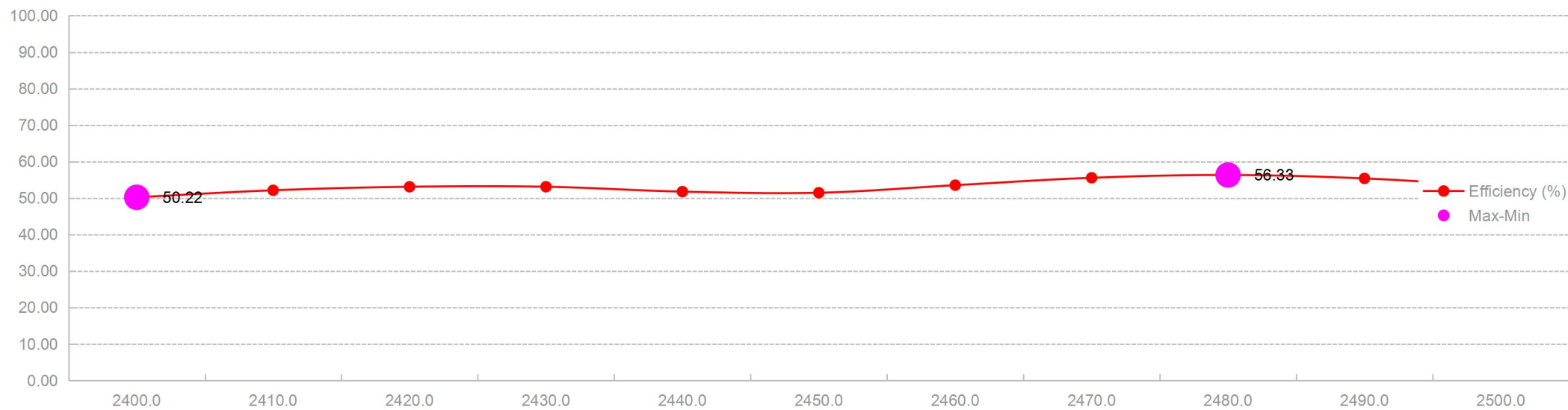


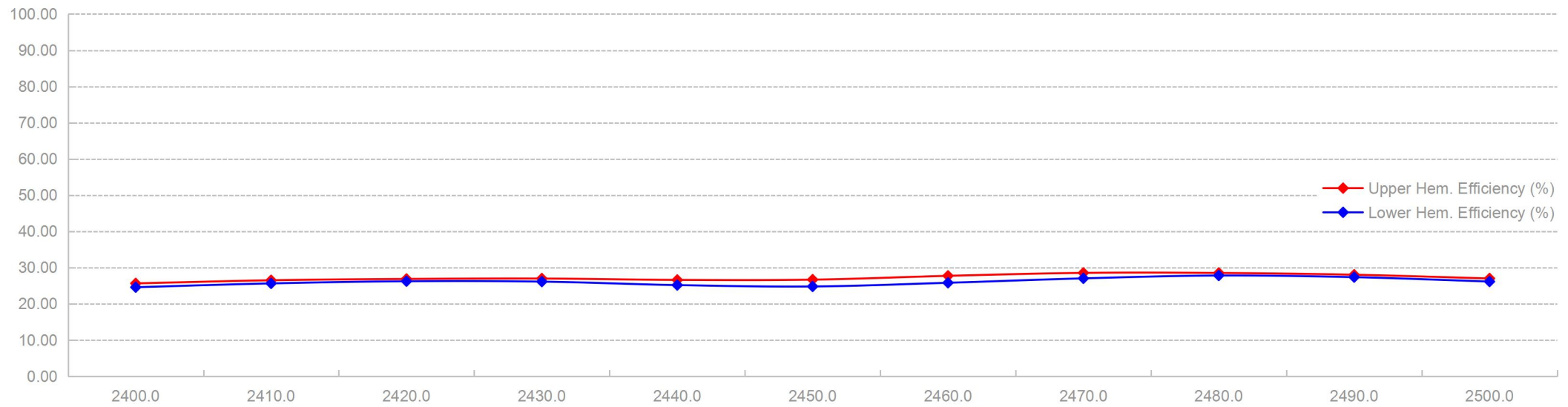
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400. 0	2410. 0	2420. 0	2430. 0	2440. 0	2450. 0	2460. 0	2470. 0	2480. 0	2490. 0	2500. 0
Efficiency (dBi)	-2.99	-2.83	-2.75	-2.75	-2.86	-2.88	-2.71	-2.55	-2.49	-2.57	-2.74
Gain (dBi)	1.90	2.24	2.39	2.42	2.26	2.37	2.72	2.93	3.01	3.04	2.81
Efficiency (%)	50.22	52.14	53.11	53.11	51.77	51.47	53.54	55.57	56.33	55.39	53.15
Directivity (dB)	4.89	5.07	5.14	5.17	5.12	5.25	5.43	5.48	5.50	5.61	5.56
Peak Gain Position (Theta)	158.00	157.00	157.00	157.00	157.00	157.00	157.00	157.00	157.00	157.00	157.00
Peak Gain Position (Phi)	258.00	259.00	259.00	259.00	259.00	259.00	259.00	259.00	259.00	270.00	270.00
Efficiency ThetaPol (%)	18.03	18.46	18.64	18.53	18.03	17.76	18.31	18.82	19.00	18.54	17.86
Efficiency PhiPol (%)	32.19	33.68	34.47	34.57	33.74	33.71	35.22	36.75	37.33	36.85	35.29
Upper Hem. Efficiency (%)	25.64	26.50	26.87	26.98	26.60	26.68	27.73	28.54	28.52	28.03	27.00
Lower Hem. Efficiency (%)	24.58	25.64	26.23	26.13	25.17	24.79	25.81	27.03	27.81	27.36	26.15

T90(H) Roundness	11.99	11.43	11.94	13.04	13.82	13.22	13.98	14.38	15.75	18.58	21.15
Gain 15deg (dBi)											
E1(XZ) Beamwidth	59.00	58.00	57.00	58.00	59.00	32.00	31.00	33.00	26.00	26.00	28.00
E1(XZ) Front-to-Back Ratio	1.51	1.27	1.00	0.71	0.62	0.76	0.87	0.88	0.87	0.81	0.74
E2(YZ) Beamwidth	32.00	30.00	30.00	29.00	25.00	25.00	24.00	28.00	27.00	26.00	27.00
E2(YZ) Front-to-Back Ratio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Axial Ratio at Max Gain (P)	41.14	38.28	53.65	37.56	40.42	25.70	20.86	20.77	21.55	32.75	43.27
Axial Ratio at Zenith (Theta=0°) (P)	3.77	3.27	3.35	3.44	3.20	3.23	3.98	4.99	5.88	6.28	6.56
Worst Axial Ratio at 10° Elevation (P)	46.73	55.66	52.31	48.16	42.35	46.66	49.39	56.25	56.01	56.20	61.98
Hc(XY) Beamwidth	71.00	74.00	72.00	69.00	70.00	70.00	72.00	74.00	72.00	72.00	70.00
Hc(XY) Front-to-Back Ratio	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LHCP (Left-Hand Circular Polarization) Efficiency (%)	21.25	21.78	22.11	22.15	21.68	21.53	22.36	23.09	23.45	23.09	22.14
RHCP (Right-Hand Circular Polarization) Efficiency (%)	28.97	30.36	31.00	30.96	30.10	29.94	31.18	32.48	32.89	32.30	31.01
Cross-Polarization Ratio at Max Gain (+/-45° Pol.)	2.44	1.87	1.60	1.57	1.65	1.57	1.08	0.69	0.58	2.65	2.93

Cross-Polarization Ratio at Max Gain (H/V Pol.)	17.10	19.34	20.75	20.80	20.43	19.62	19.13	20.00	20.89	16.30	15.52
Worst Cross-Pol. Ratio at Theta=60° (Phi Scan, +/-45° Pol.)	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.00	0.07	0.00
Worst Cross-Pol. Ratio at Theta=60° (Phi Scan, H/V Pol.)	0.03	0.01	0.14	0.06	0.03	0.01	0.02	0.03	0.10	0.04	0.06
Worst Cross-Pol. Ratio at Theta=90° (Phi Scan, +/-45° Pol.)	0.02	0.02	0.00	0.01	0.01	0.00	0.01	0.01	0.02	0.04	0.01
Worst Cross-Pol. Ratio at Theta=90° (Phi Scan, H/V Pol.)	0.02	0.02	0.02	0.00	0.01	0.04	0.00	0.03	0.10	0.02	0.12
Main Beam Tilt Angle (Average, for Symmetric Antenna)	-45.21	-17.96	-6.33	-0.34	21.48	42.59	47.48	51.41	51.85	57.58	59.38
Axial (Z+) H/V Polarization Isolation	3.25	3.06	3.32	3.43	3.19	3.18	3.92	4.88	5.78	6.23	6.54
Empty											







Manufacturer: SHEN ZHEN SUN AND LYNN CIRCUITS CO.LTD

深圳市深联电路有限公司

Address: Xinda Industrial Park Building 1,Jingcheng Road,Heyi,Shajing Town,Shenzhen,China

地址:深圳市宝安区沙井镇锦绣南路新达工业园

Tel: +86(755)27280399 Fax: +86(755)27280699

Http: //www.slpcb.com

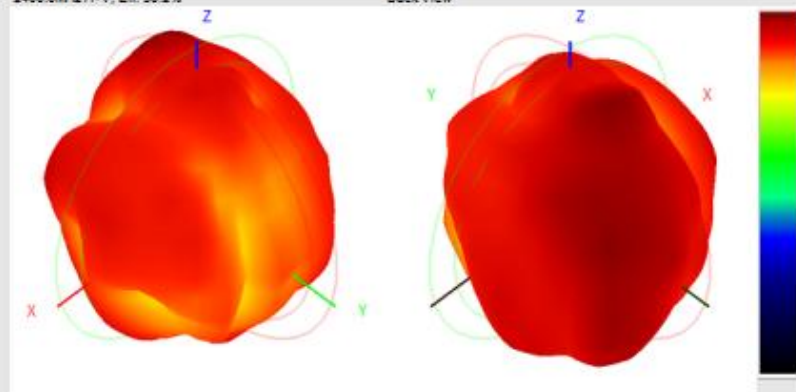
E-mail: slpcb@slpcb.com

Antenna Type:

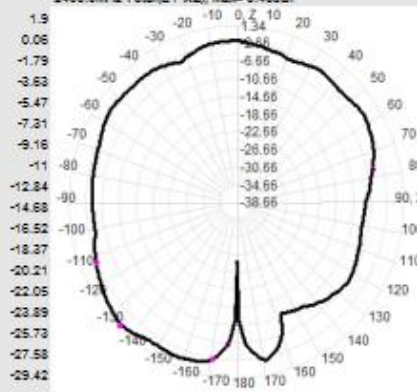
PCB Antenna

2400.0MHz H+V, Eff: 50.2%

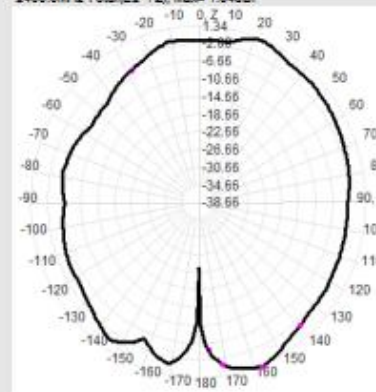
Back View



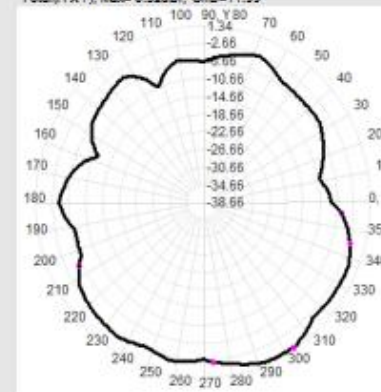
2400.0MHz Total(E1-XZ), Max= 0.43dBi



2400.0MHz Total(E2-YZ), Max= 1.34dBi

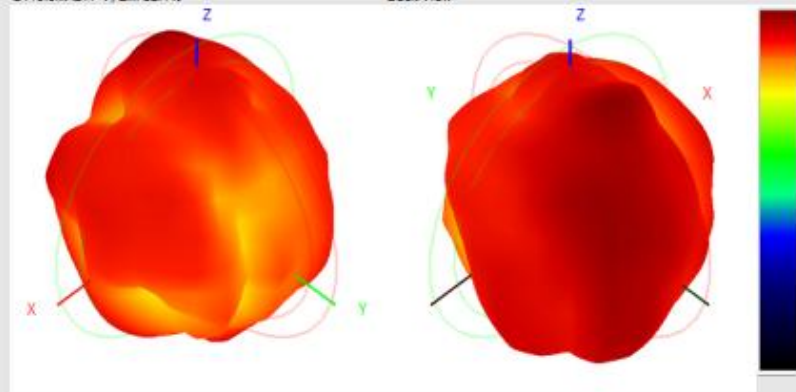


Total(H+XY), Max= 0.52dBi, Cld=11.99

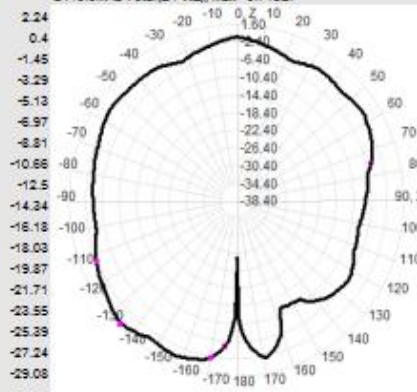


2410.0MHz H+V, Eff: 52.1%

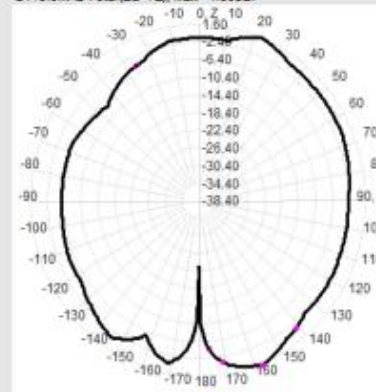
Back View



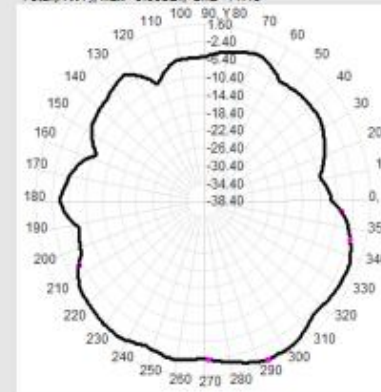
2410.0MHz Total(E1-XZ), Max= 0.71dBi



2410.0MHz Total(E2-YZ), Max= 1.50dBi

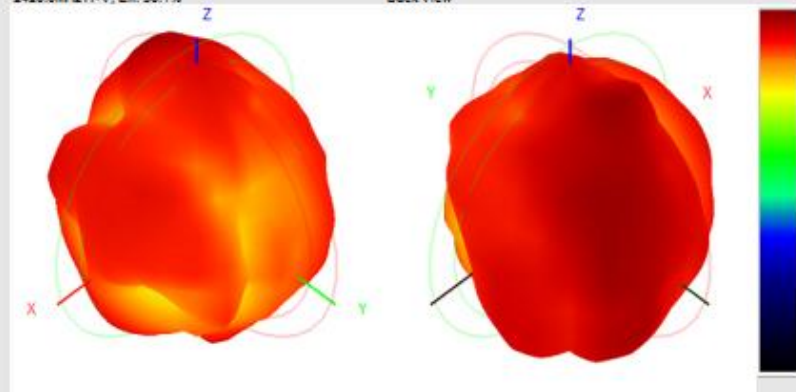


Total(H+XY), Max= 0.50dBi, Cld=11.43

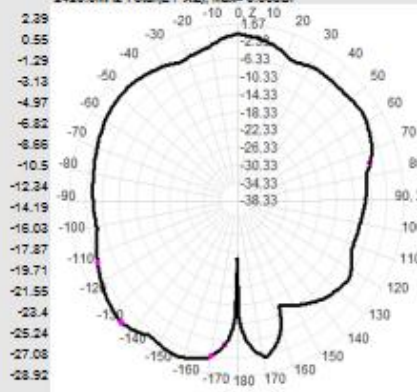


2420.0MHz H+V, Eff: 53.1%

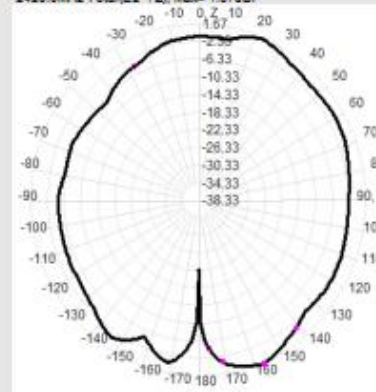
Back View



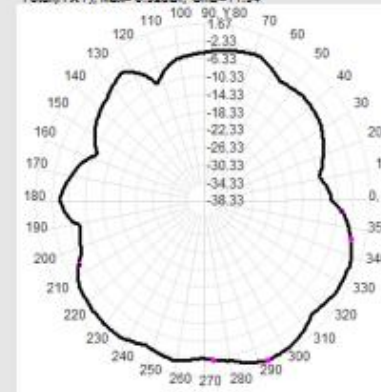
2420.0MHz Total(E1-XZ), Max= 0.66dBi



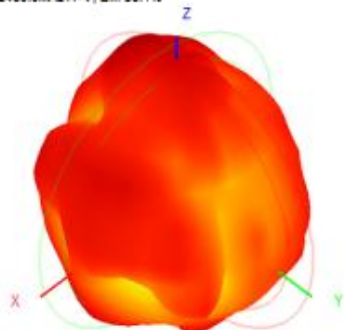
2420.0MHz Total(E2-YZ), Max= 1.67dBi



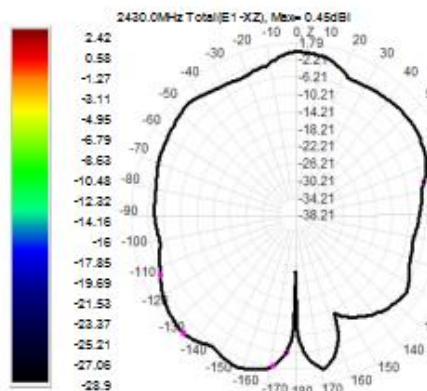
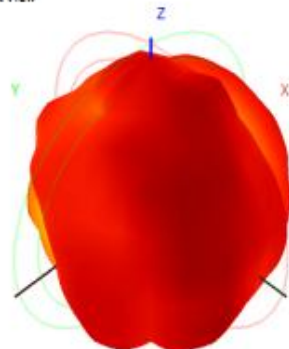
Total(H+XY), Max= 0.52dBi, Cld=11.94



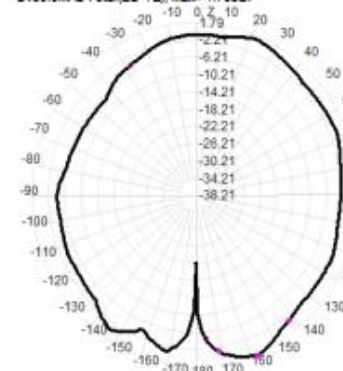
2430.0MHz H+V, Eff: 53.1%



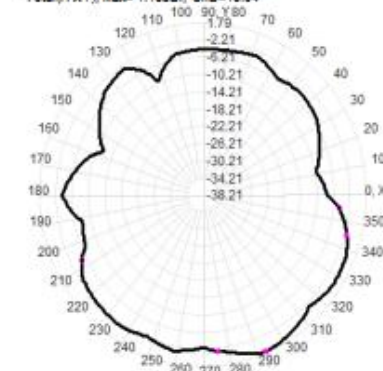
Back View



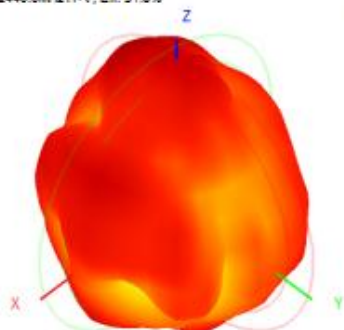
2430.0MHz Total(E2-YZ), Max= 1.79dBI



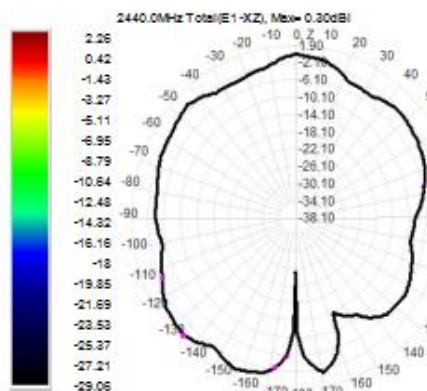
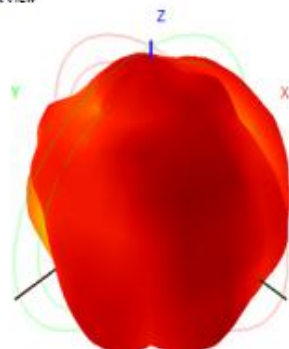
Total(H+XY), Max= 1.13dBI, ChD=13.04



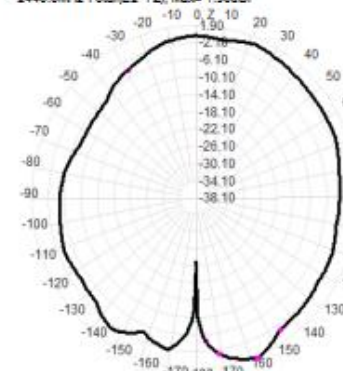
2440.0MHz H+V, Eff: 51.8%



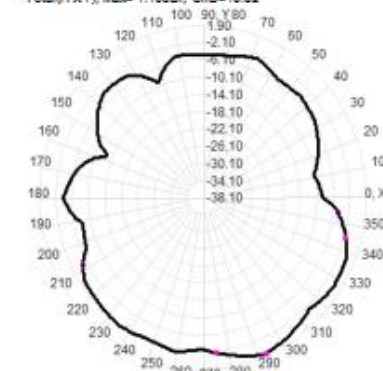
Back View



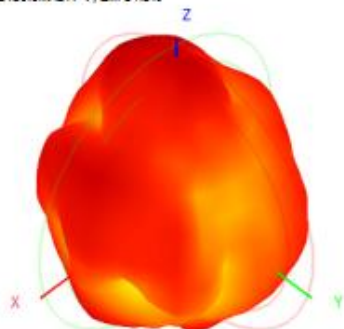
2440.0MHz Total(E2-YZ), Max= 1.90dBI



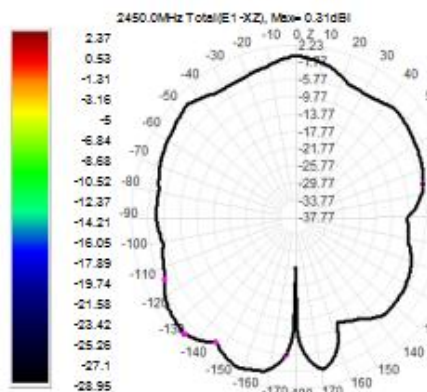
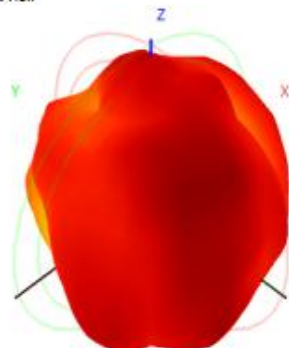
Total(H+XY), Max= 1.10dBI, ChD=13.82



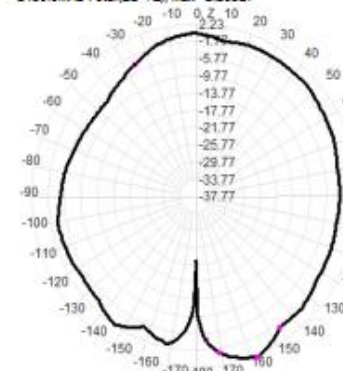
2450.0MHz H+V, Eff: 51.5%



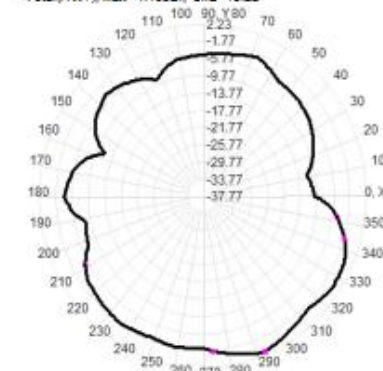
Back View



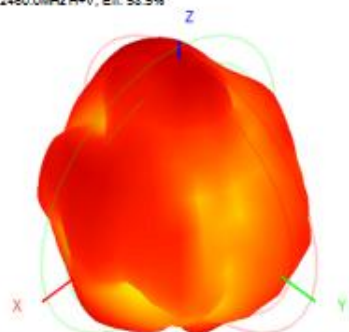
2450.0MHz Total(E2-YZ), Max= 2.23dBI



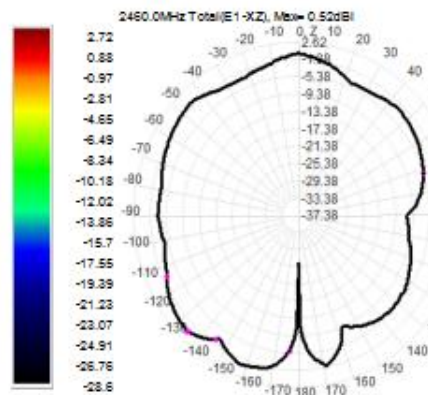
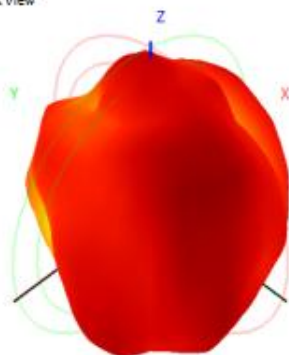
Total(H+XY), Max= 1.16dBI, ChD=13.22



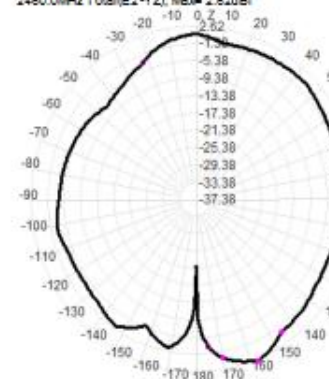
2460.0MHz H+V, Eff: 53.5%



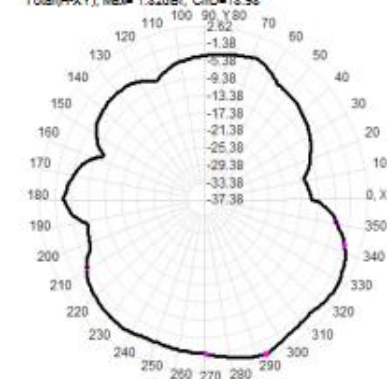
Back View



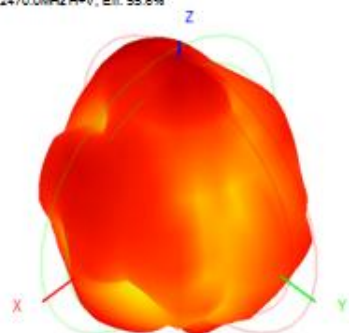
2460.0MHz Total(E2-YZ), Max= 2.62dBi



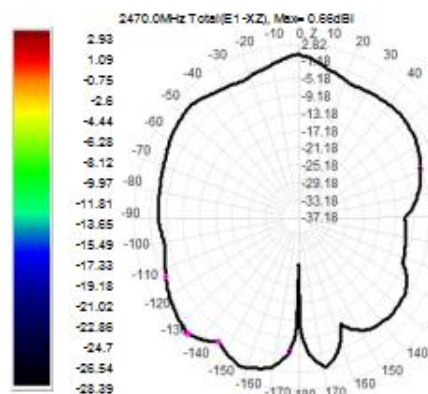
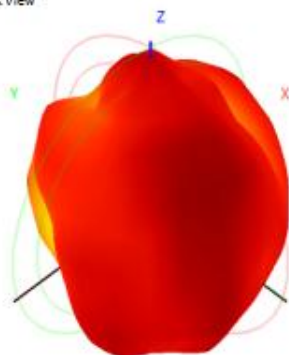
Total(H+XY), Max= 1.32dBi, ChC=13.98



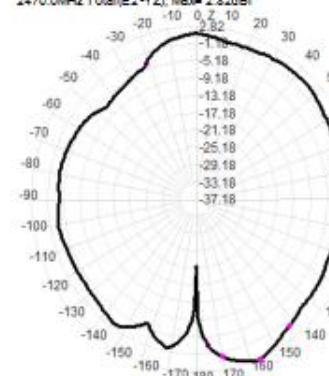
2470.0MHz H+V, Eff: 55.6%



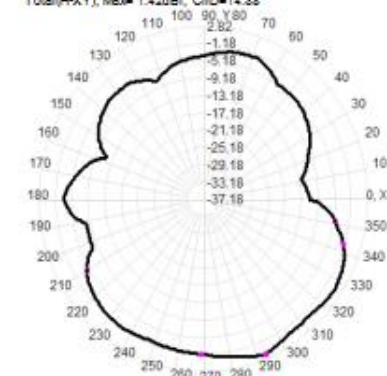
Back View



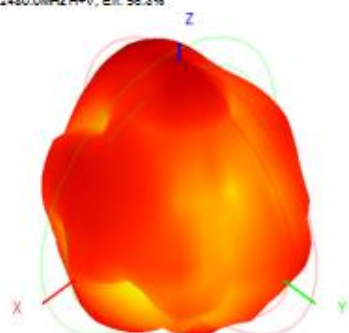
2470.0MHz Total(E2-YZ), Max= 2.82dBi



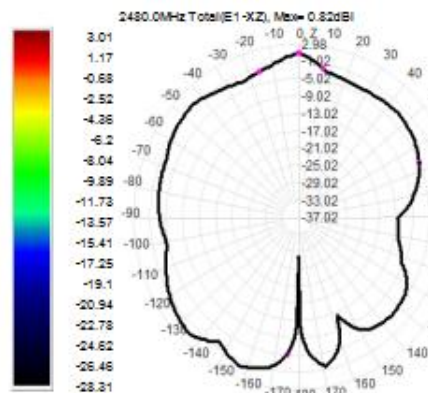
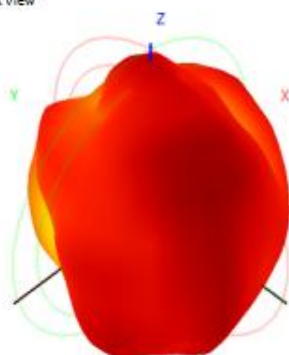
Total(H+XY), Max= 1.42dBi, ChC=14.38



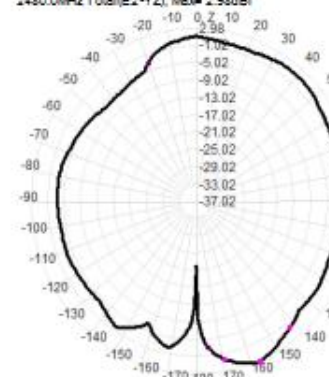
2480.0MHz H+V, Eff: 56.3%



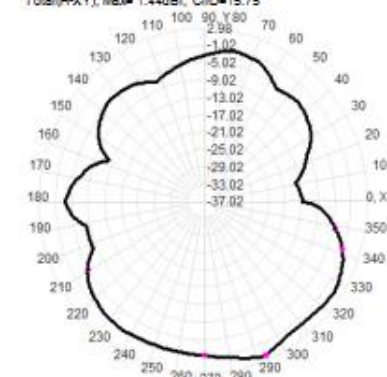
Back View



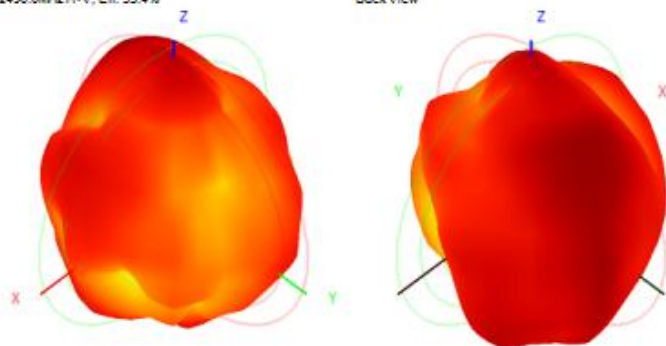
2480.0MHz Total(E2-YZ), Max= 2.98dBi



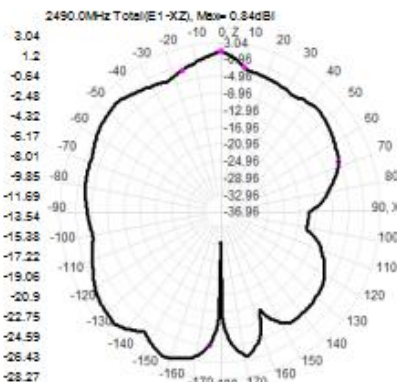
Total(H+XY), Max= 1.44dBi, ChC=15.75



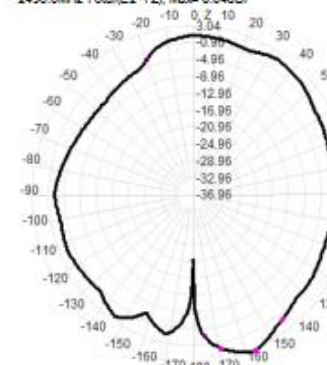
2490.0MHz H+V, Eff: 55.4%



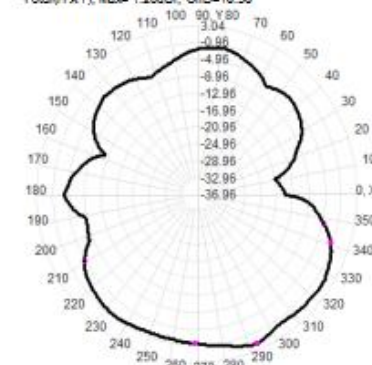
Back View



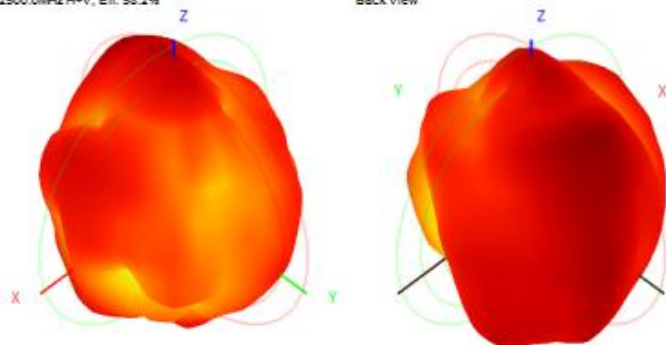
2490.0MHz Total(E2-YZ), Max= 3.04dBi



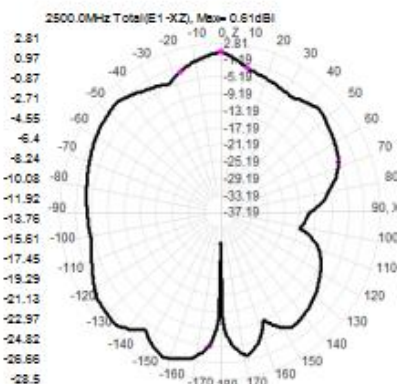
Total(H+XY), Max= 1.23dBi, ChD=18.58



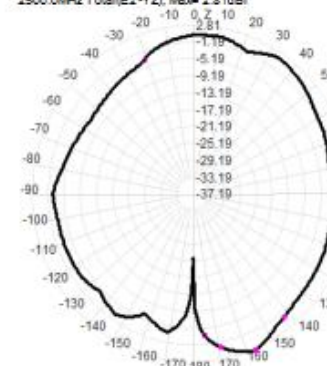
2500.0MHz H+V, Eff: 53.2%



Back View



2500.0MHz Total(E2-YZ), Max= 2.81dBi



Total(H+XY), Max= 0.95dBi, ChD=21.15

