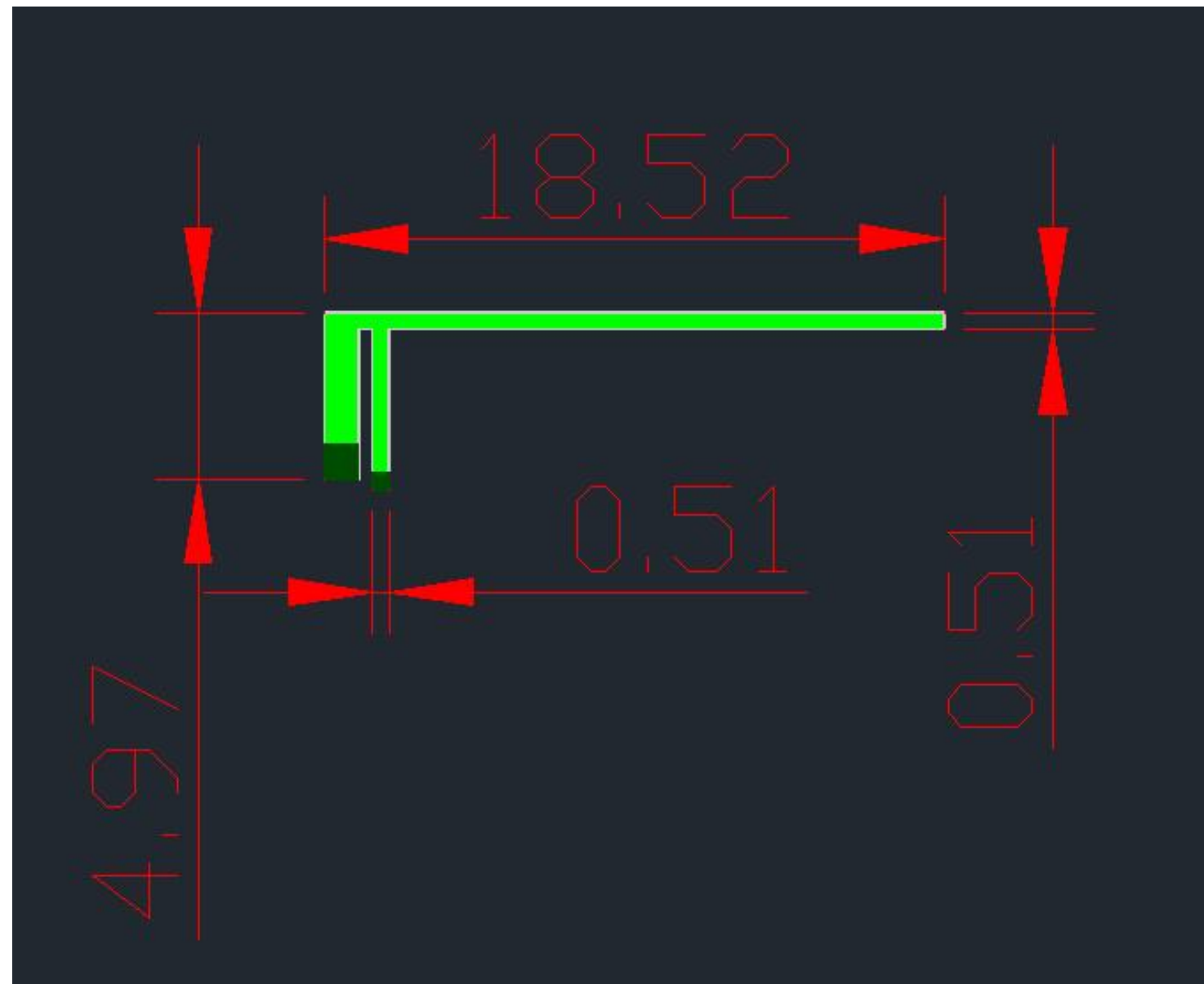


E175_ANT

深圳市大我云读写科技有限公司

1. PCB ANT SIZE (unit: mm)



2.Applications

Wifi 2.4G, 802.11 IEEE802.11 b/g/n/, Frequency 2400-2500 (MHz)

Manufacturer:

深圳市大我云读写科技有限公司

Bigme Cloud Literacy Technology Co.,Ltd.

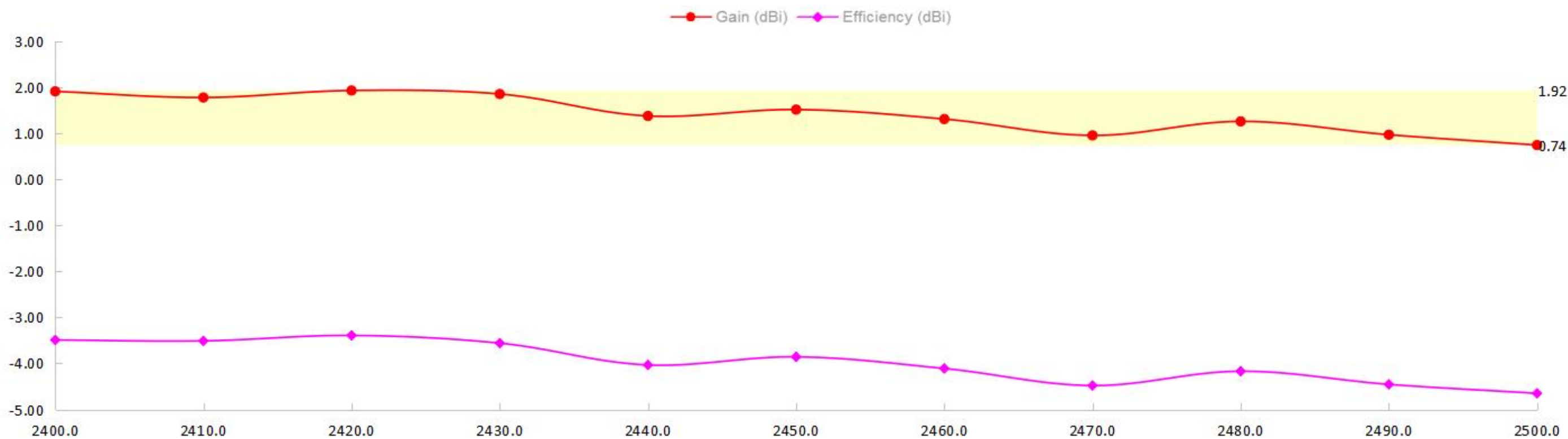
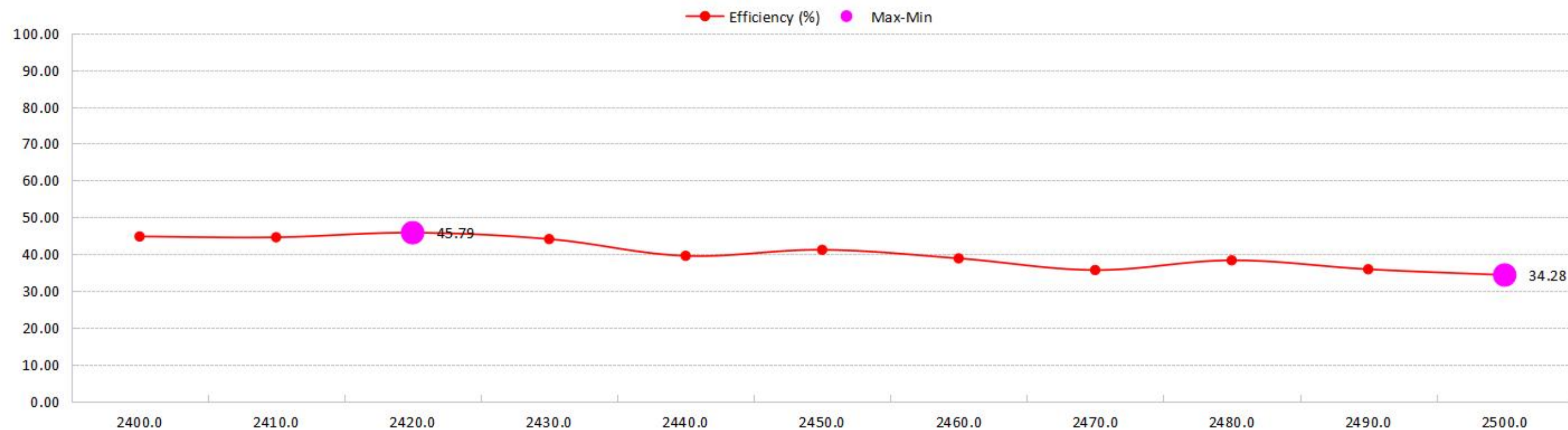
深圳市宝安区新安街道龙井社区龙井二路 3 号中粮集团大厦 18 楼 01

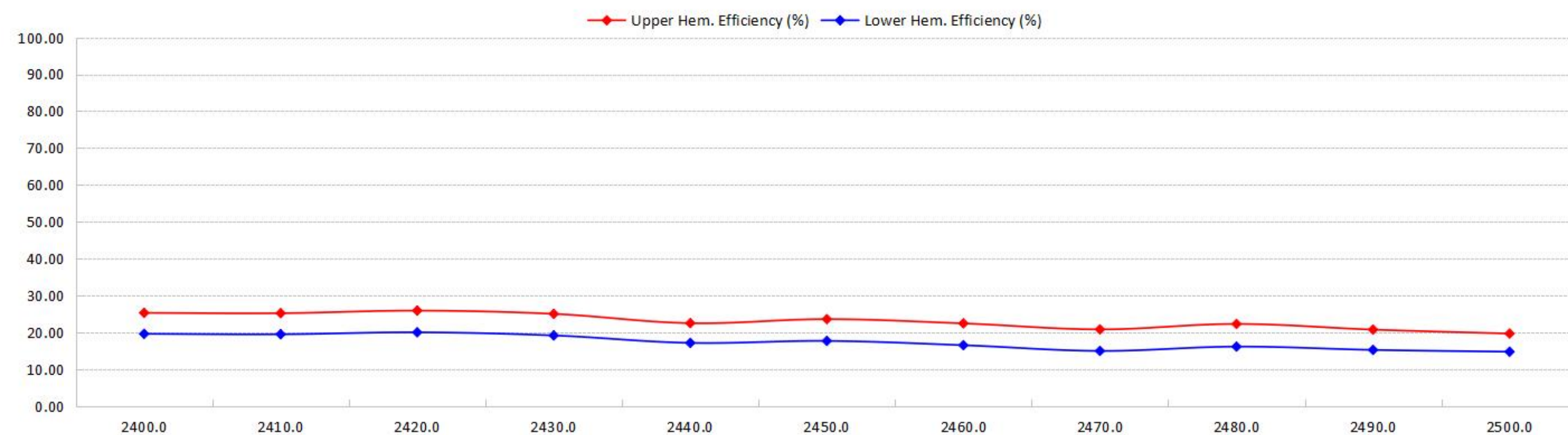
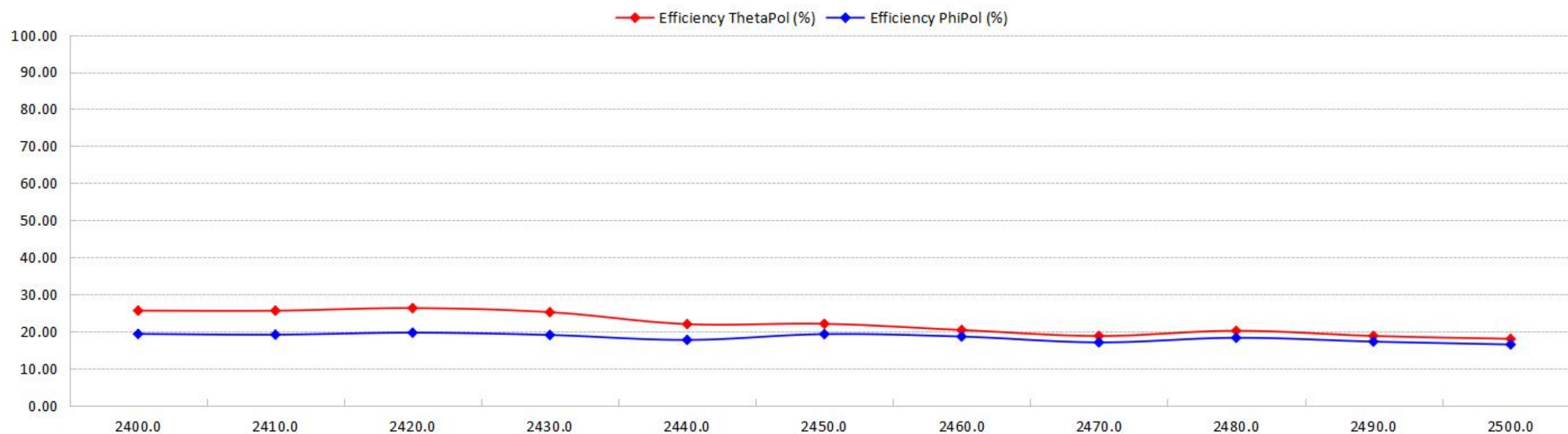
01 18F.,COFCO PROPERTY TOWER,BAOMIN NO.1RD.,BAO AN 3RD DISTRICT,SHENZHEN, CHINA

3..Efficiency Table

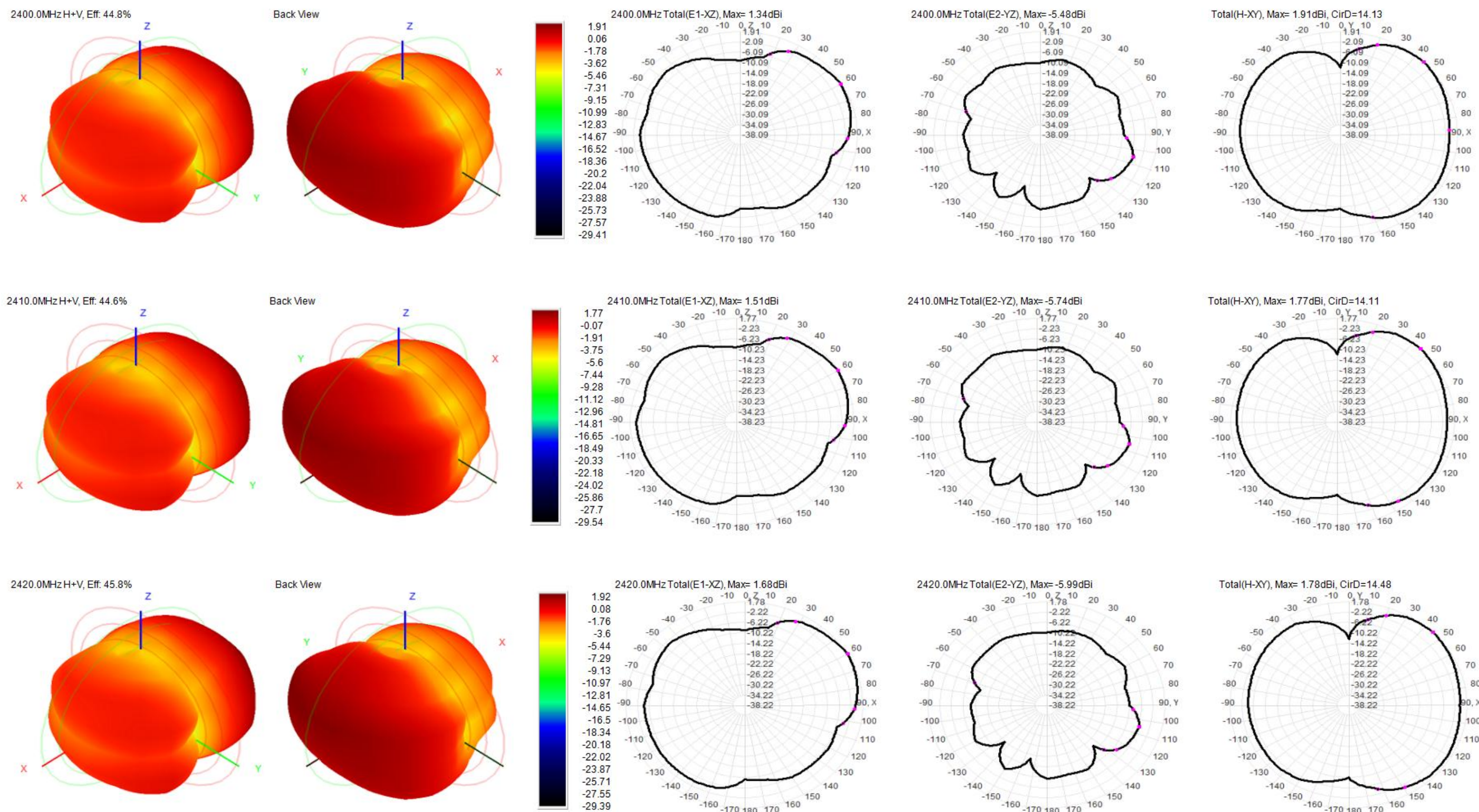
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-3.49	-3.51	-3.39	-3.56	-4.03	-3.86	-4.11	-4.48	-4.17	-4.45	-4.65
Gain (dBi)	1.91	1.77	1.92	1.85	1.37	1.51	1.30	0.95	1.25	0.96	0.74
Efficiency (%)	44.77	44.56	45.79	44.06	39.51	41.14	38.82	35.64	38.28	35.86	34.28
Directivity (dB)	5.40	5.28	5.32	5.41	5.41	5.37	5.41	5.43	5.42	5.42	5.39
Peak Gain Position (Theta)	90.00	90.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	75.00
Peak Gain Position (Phi)	135.00	135.00	150.00	165.00	165.00	165.00	150.00	165.00	165.00	165.00	135.00
Efficiency ThetaPol (%)	25.53	25.51	26.22	25.10	21.89	21.96	20.29	18.69	20.08	18.69	17.90
Efficiency PhiPol (%)	19.24	19.04	19.58	18.95	17.62	19.18	18.53	16.96	18.20	17.16	16.38
Upper Hem. Efficiency (%)	25.24	25.14	25.84	24.96	22.43	23.52	22.37	20.75	22.22	20.68	19.61
Lower Hem. Efficiency (%)	19.53	19.42	19.95	19.10	17.07	17.62	16.45	14.90	16.07	15.17	14.68

T90(H) Roundness	14.13	14.11	14.48	15.28	16.62	17.08	17.85	17.79	18.12	17.78	17.33
Gain 15deg (dBi)											
E1(XZ) Lobe width	65.00	64.00	64.00	63.00	64.00	64.00	64.00	64.00	64.00	64.00	64.00
E1(XZ) Compare before and after	6.57	6.48	6.18	6.12	6.29	6.63	7.23	7.25	7.21	6.76	6.39
E2(YZ) Lobe width	33.00	32.00	33.00	35.00	35.00	35.00	34.00	34.00	75.00	34.00	32.00
E2(YZ) Compare before and after	3.88	3.97	3.96	3.45	2.88	2.16	1.44	1.36	1.18	1.28	2.05
Maximum gain in axle ratio(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Elevation angle 10 degrees worst (large) axis ratio (P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY) Lobe width	67.00	127.00	129.00	131.00	131.00	133.00	133.00	132.00	132.00	132.00	131.00
Hc(XY) Compare before and after	3.82	3.58	3.23	2.94	2.67	2.39	2.26	2.25	2.17	2.20	2.11
Empty											

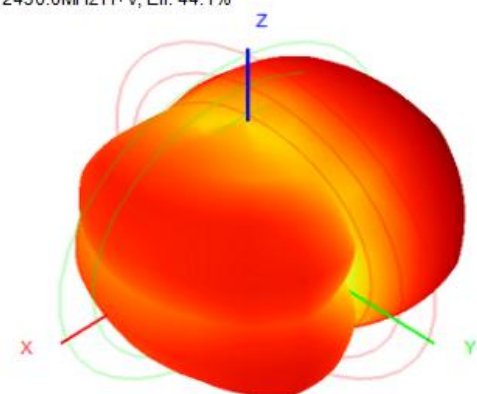




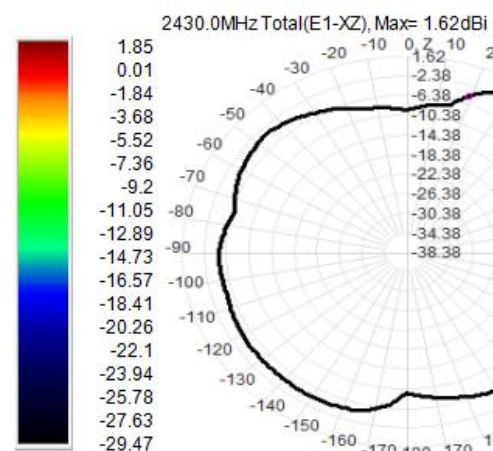
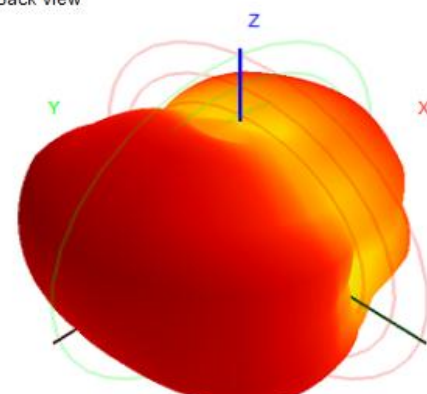
4.Radiation Pattern



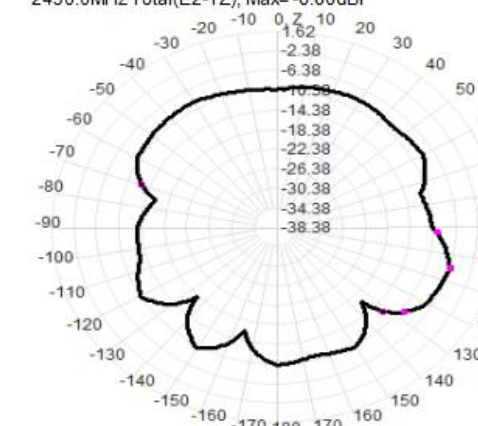
2430.0MHz H+V, Eff: 44.1%



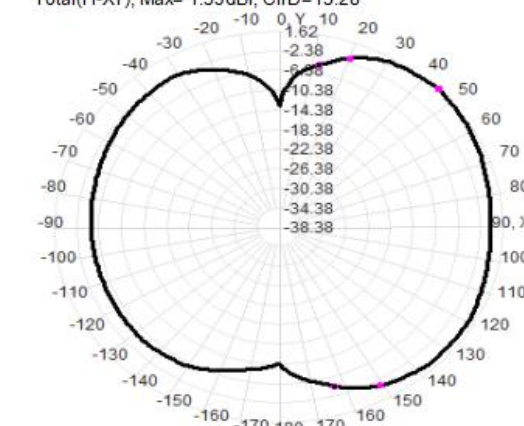
Back View



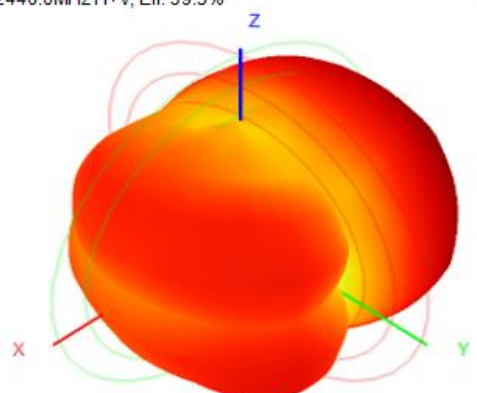
2430.0MHz Total(E2-YZ), Max=-6.60dBi



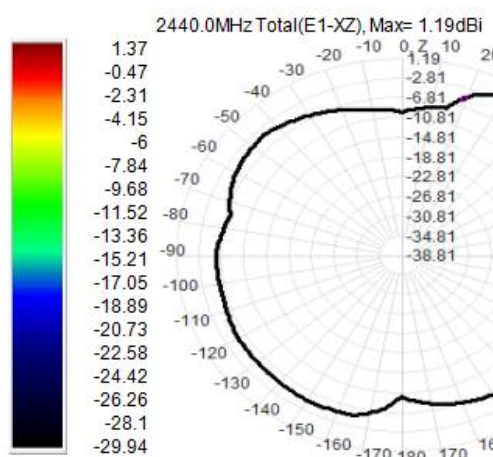
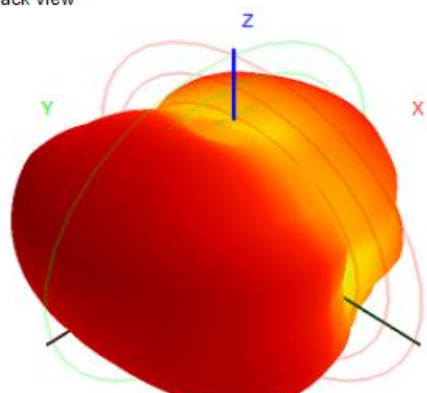
Total(H-XY), Max= 1.53dBi, CirD=15.28



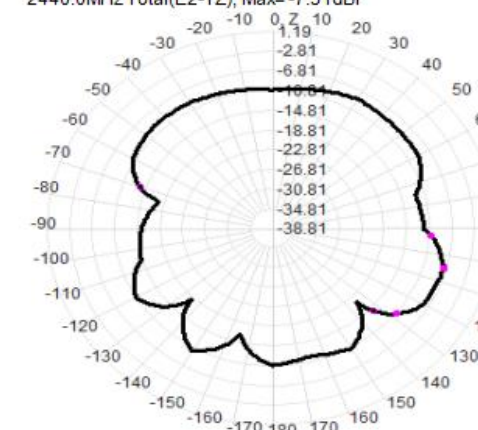
2440.0MHz H+V, Eff: 39.5%



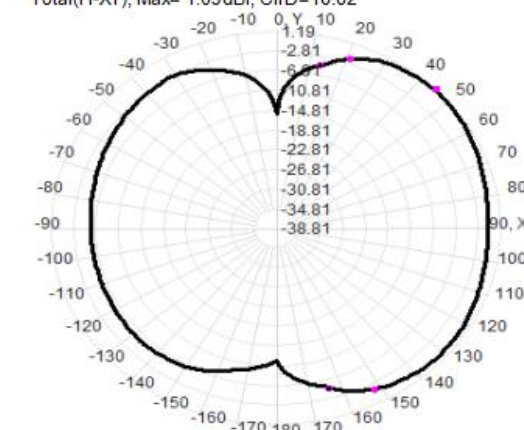
Back View



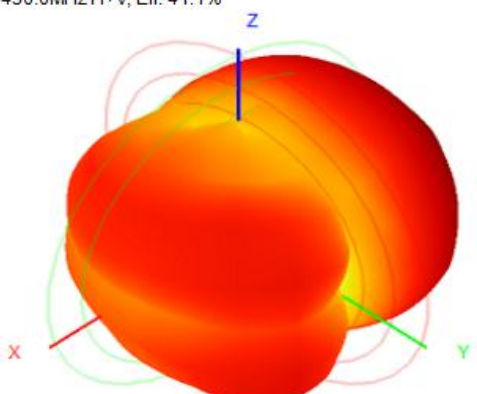
2440.0MHz Total(E2-YZ), Max=-7.51dBi



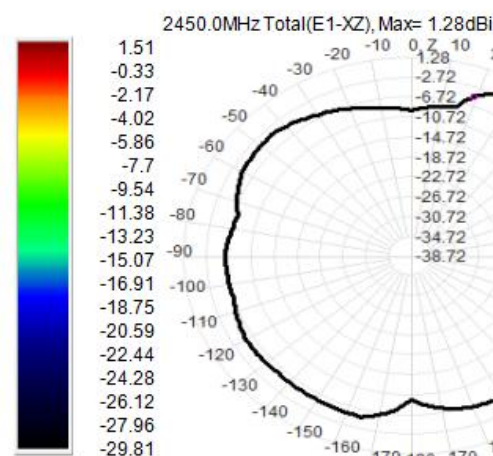
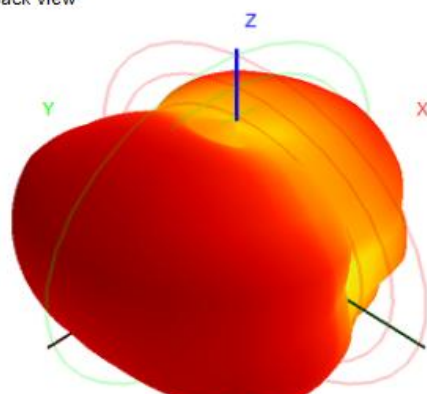
Total(H-XY), Max= 1.03dBi, CirD=16.62



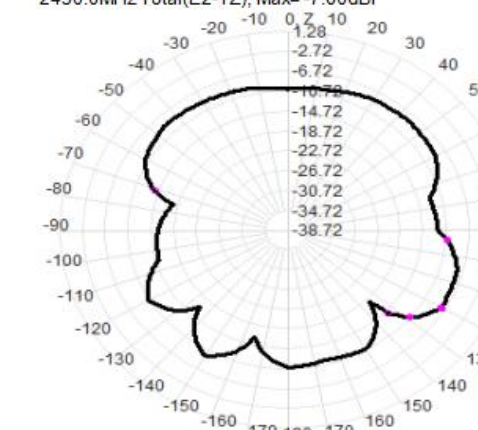
2450.0MHz H+V, Eff: 41.1%



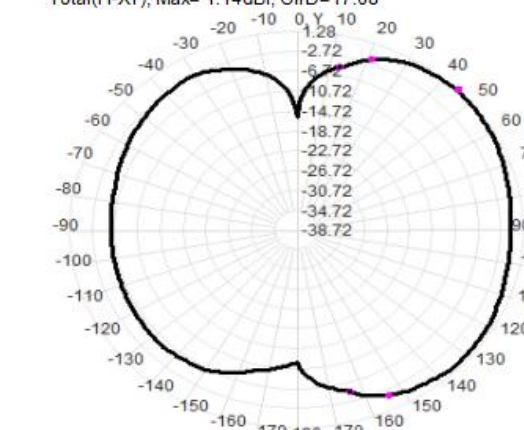
Back View



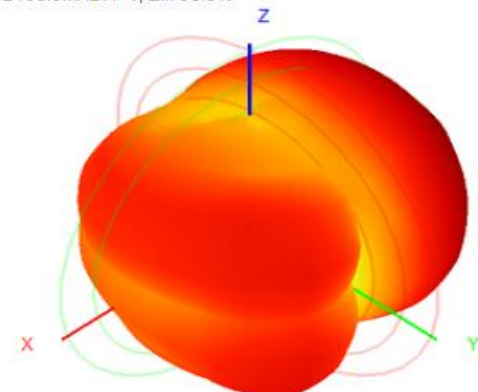
2450.0MHz Total(E2-YZ), Max=-7.60dBi



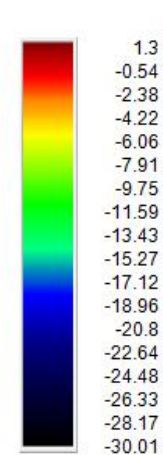
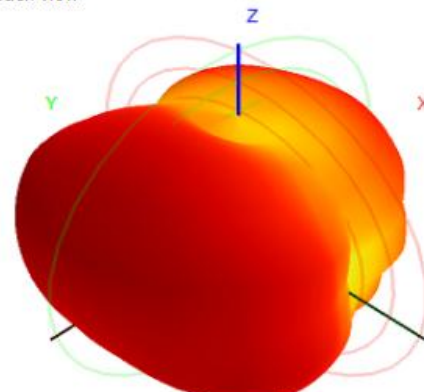
Total(H-XY), Max= 1.14dBi, CirD=17.08



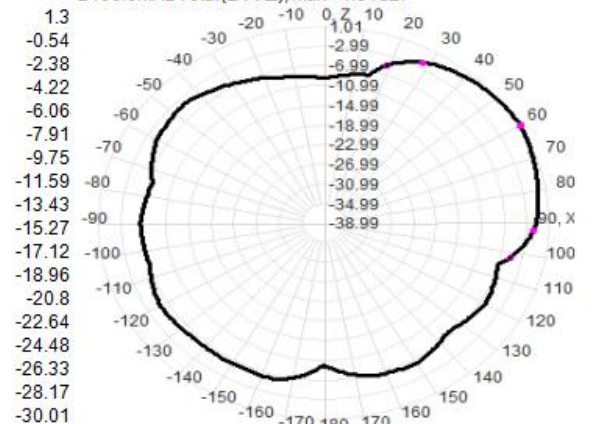
2460.0MHz H+V, Eff: 38.8%



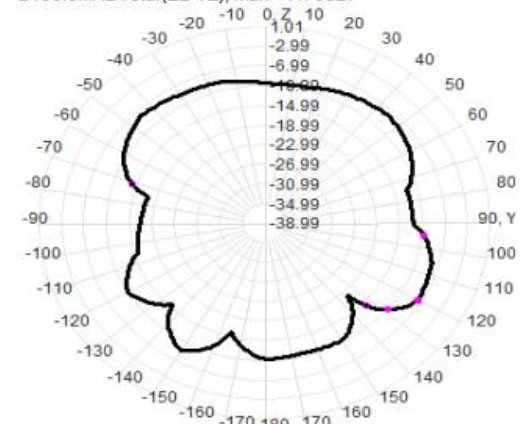
Back View



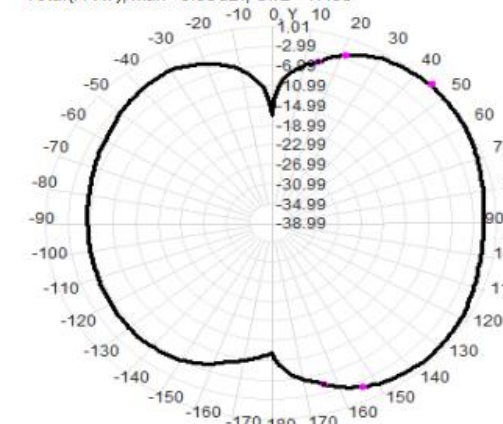
2460.0MHz Total(E1-XZ), Max= 1.01dBi



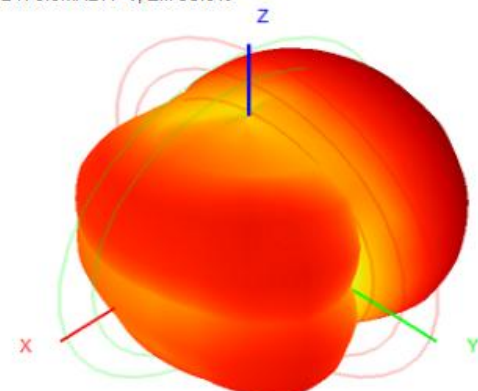
2460.0MHz Total(E2-YZ), Max=-7.78dBi



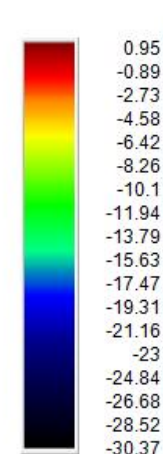
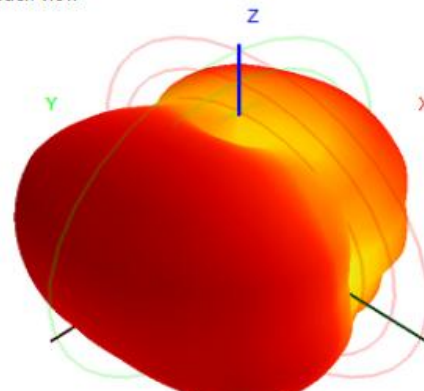
Total(H-XY), Max= 0.85dBi, CirD=17.85



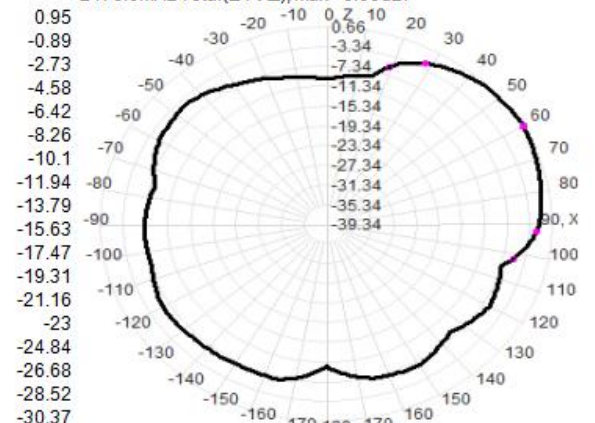
2470.0MHz H+V, Eff: 35.6%



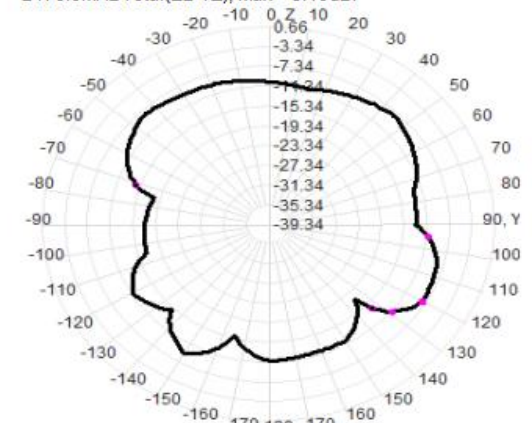
Back View



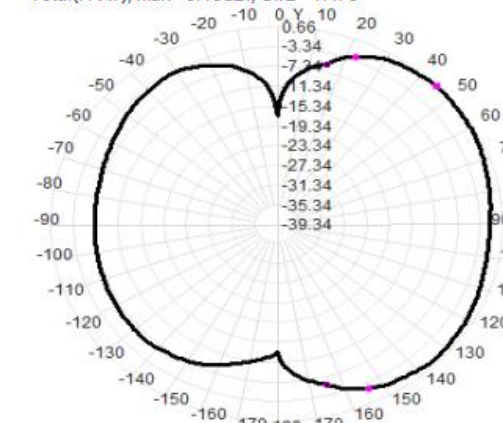
2470.0MHz Total(E1-XZ), Max= 0.66dBi



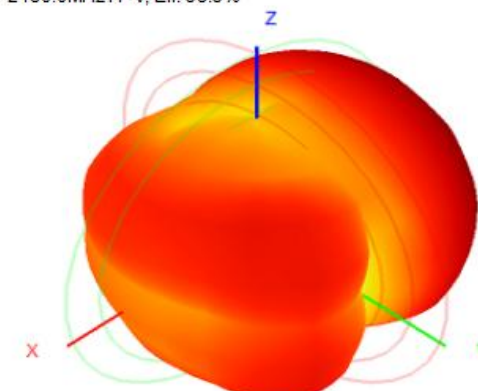
2470.0MHz Total(E2-YZ), Max=-8.10dBi



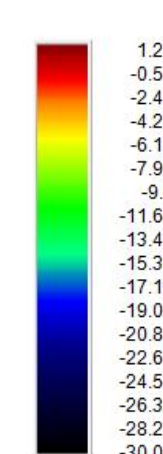
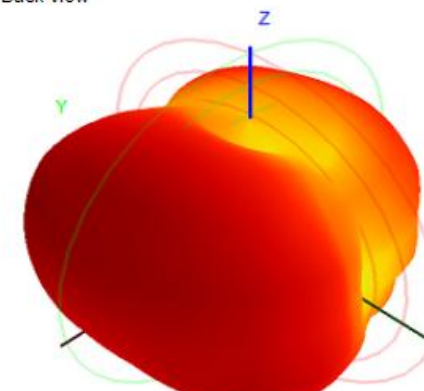
Total(H-XY), Max= 0.40dBi, CirD=17.79



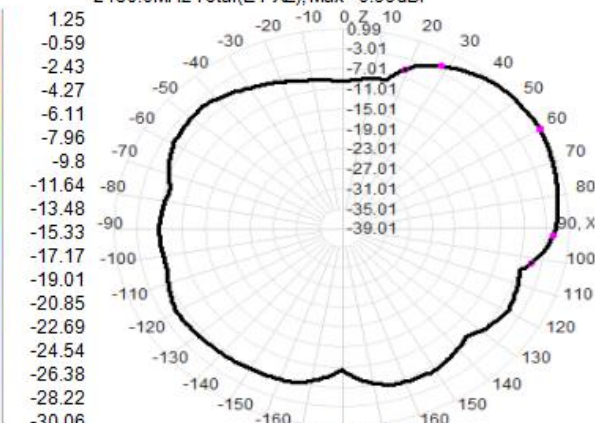
2480.0MHz H+V, Eff: 38.3%



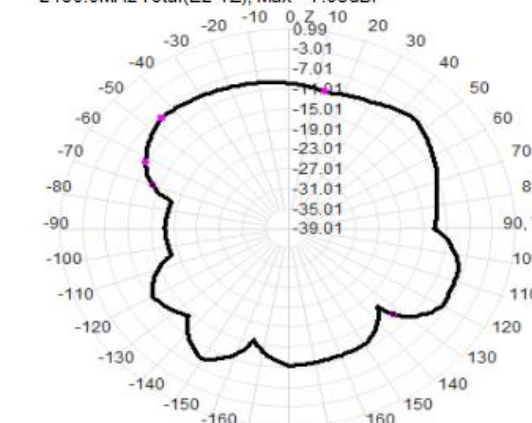
Back View



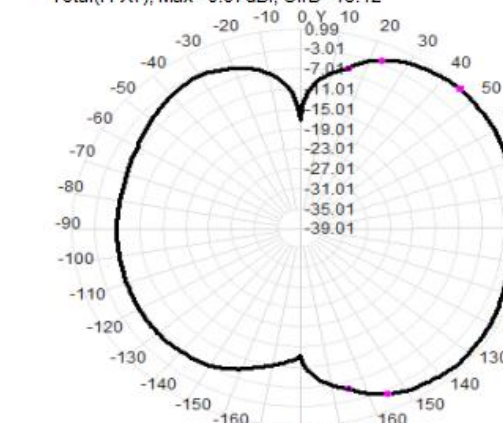
2480.0MHz Total(E1-XZ), Max= 0.99dBi



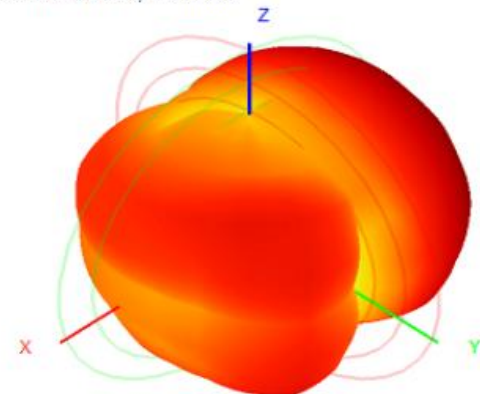
2480.0MHz Total(E2-YZ), Max=-7.68dBi



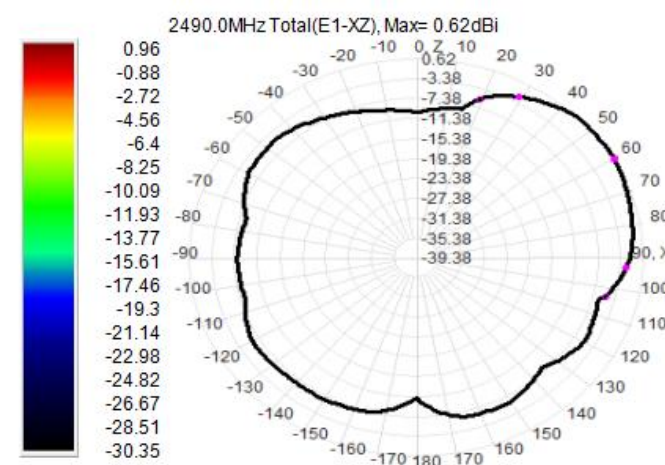
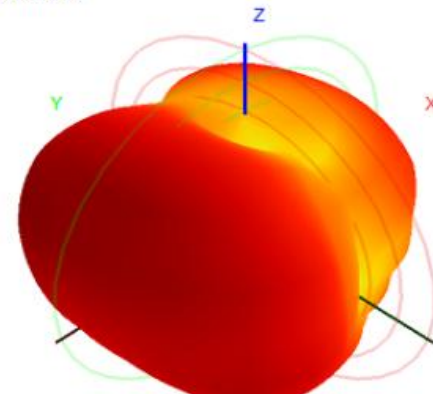
Total(H-XY), Max= 0.67dBi, CirD=18.12



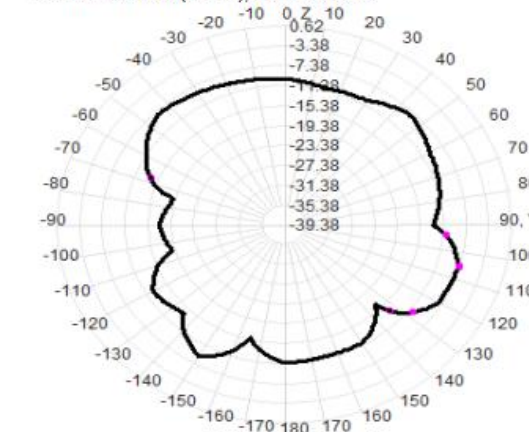
2490.0MHz H+V, Eff: 35.9%



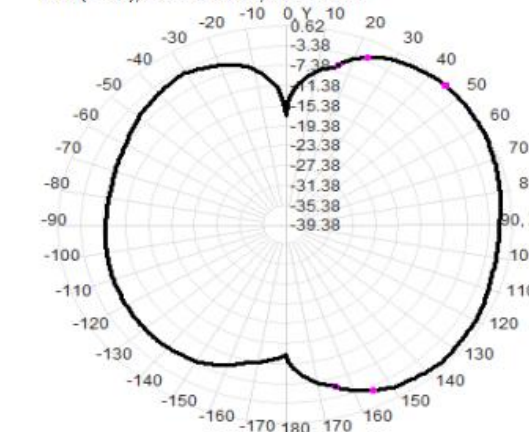
Back View



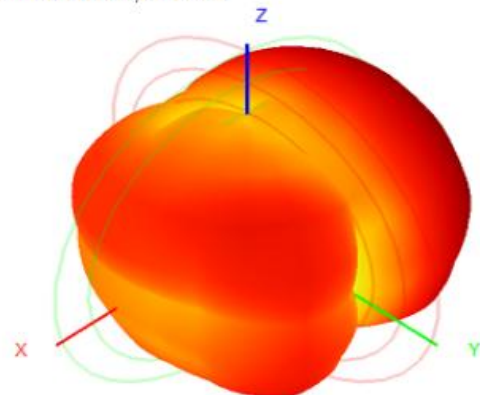
2490.0MHz Total(E2-YZ), Max= -7.86dBi



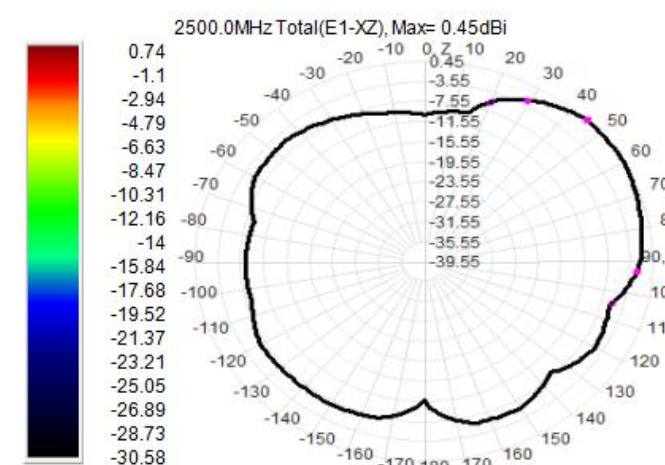
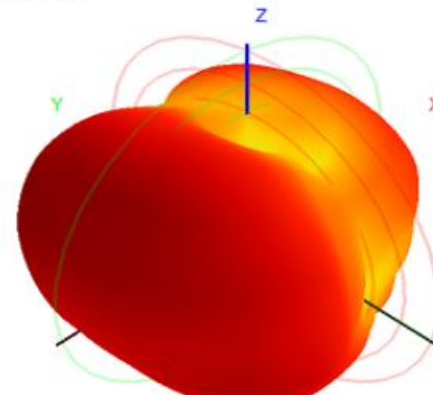
Total(H-XY), Max= 0.36dBi, CirD=17.78



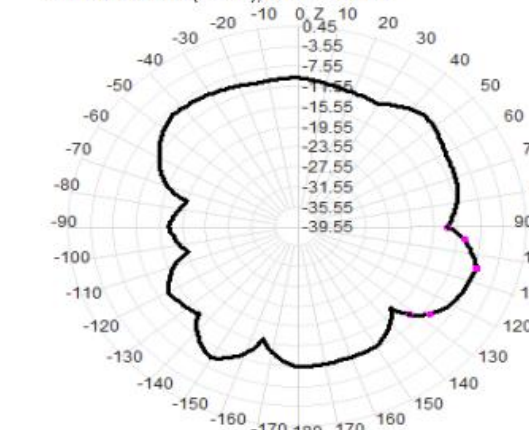
2500.0MHz H+V, Eff: 34.3%



Back View



2500.0MHz Total(E2-YZ), Max= -7.43dBi



Total(H-XY), Max= 0.14dBi, CirD=17.33

