

深圳市得辉达智能科技有限公司

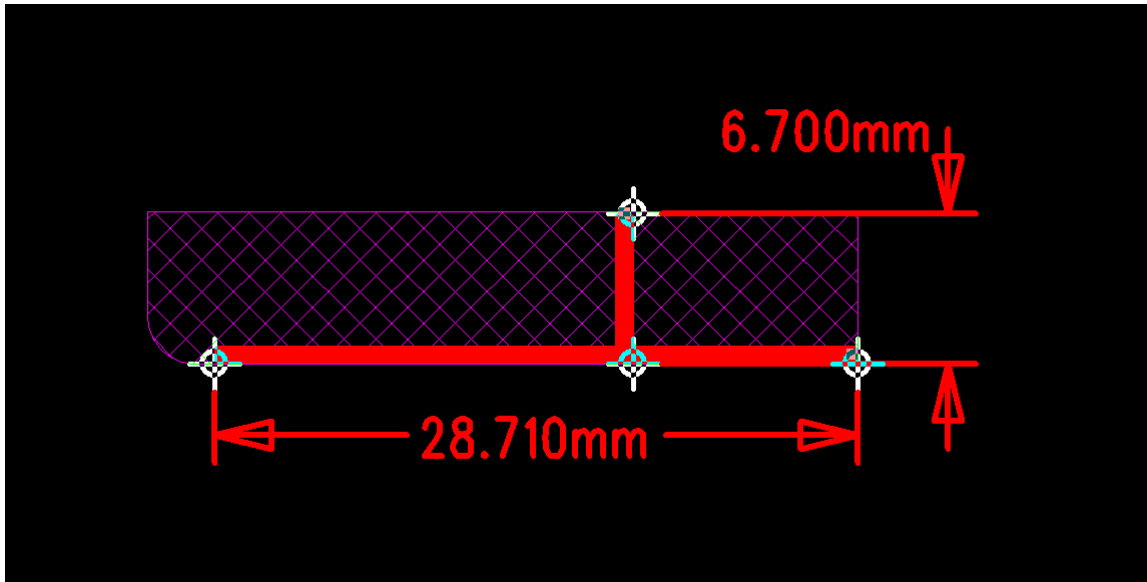
Antenna describe

1. Antenna describe:

Antenna plate	PCB Antenna
Make name/model name	BM1121
Antenna gain	2.58dBi
Frequency range	2.4GHZ-2.483GHZ
Connector type	direct
Location of measurement (company name)	Shenzhen Dehuida Intelligent Technology Co.,Ltd

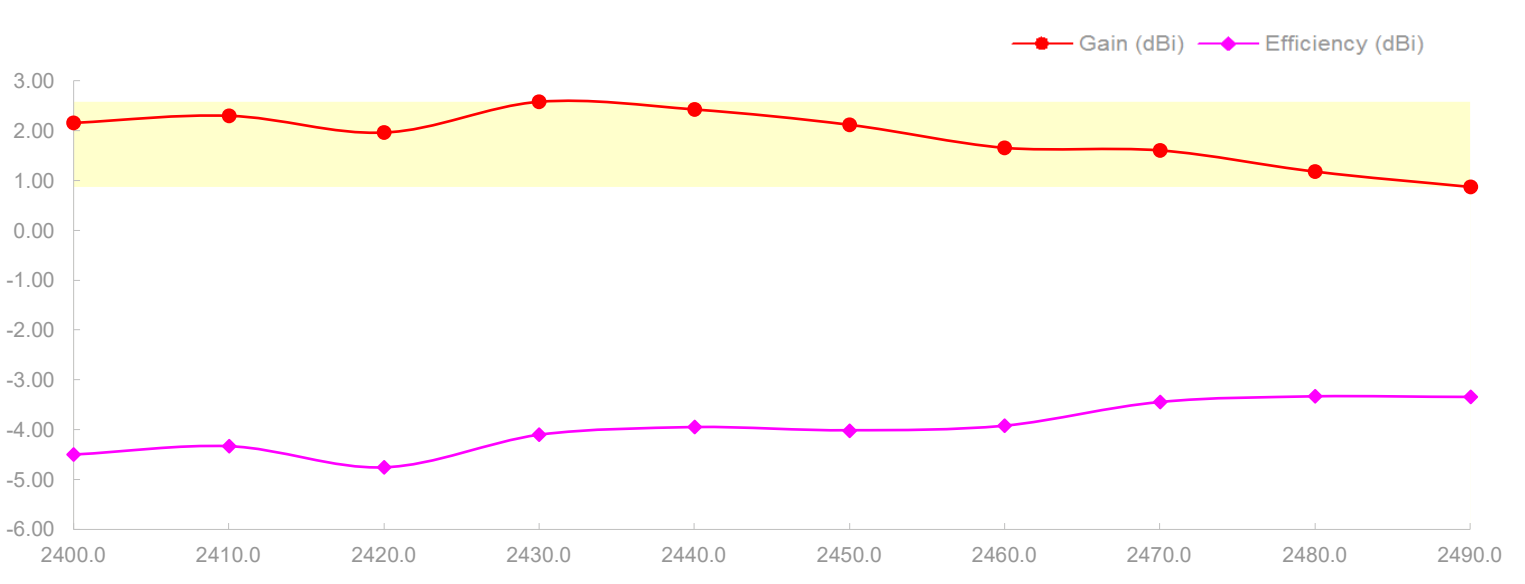
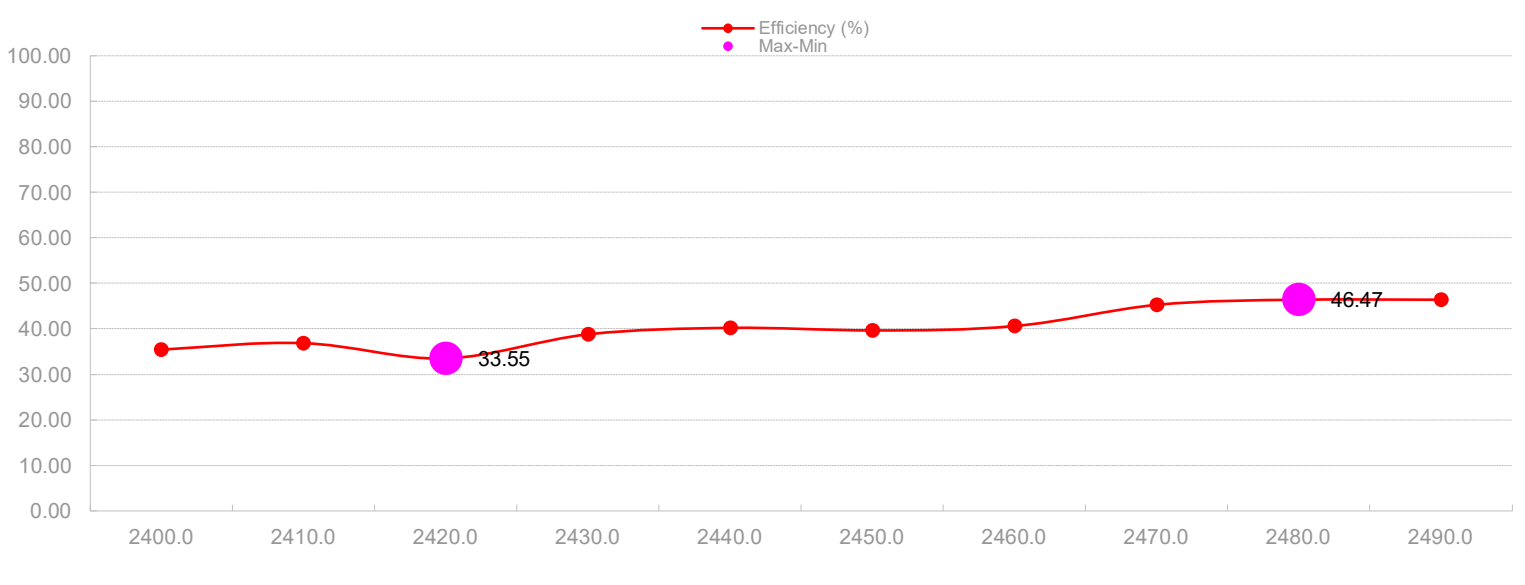
2. External view drawing:

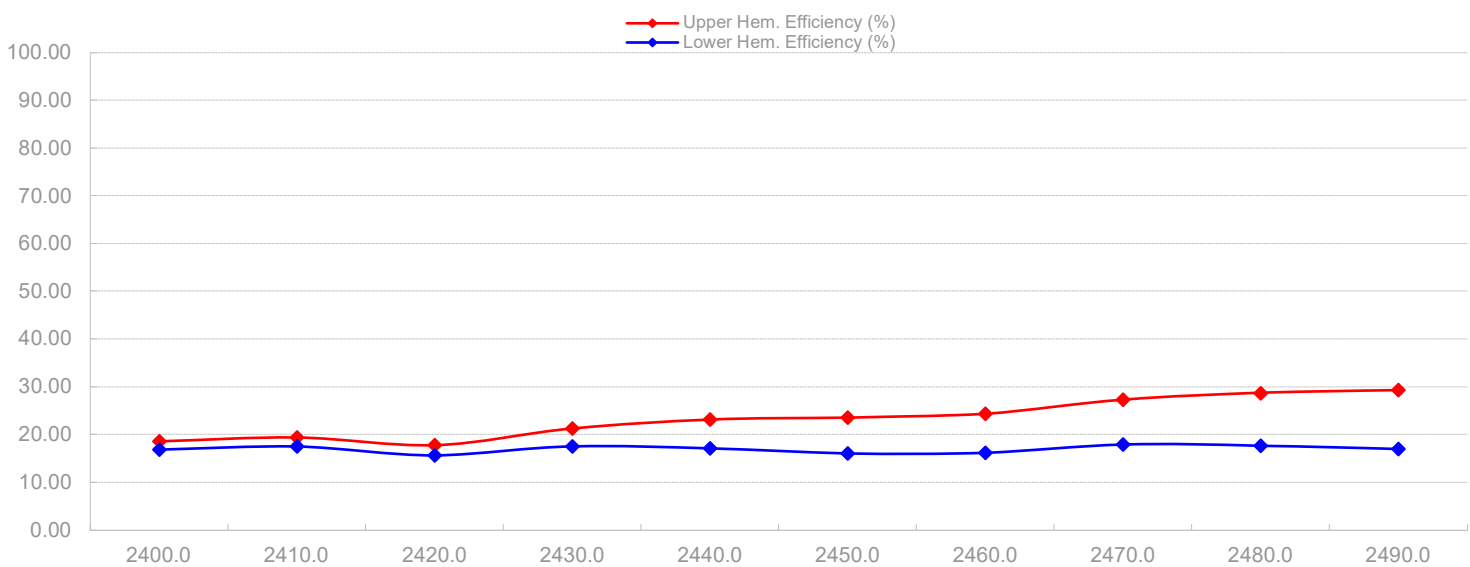
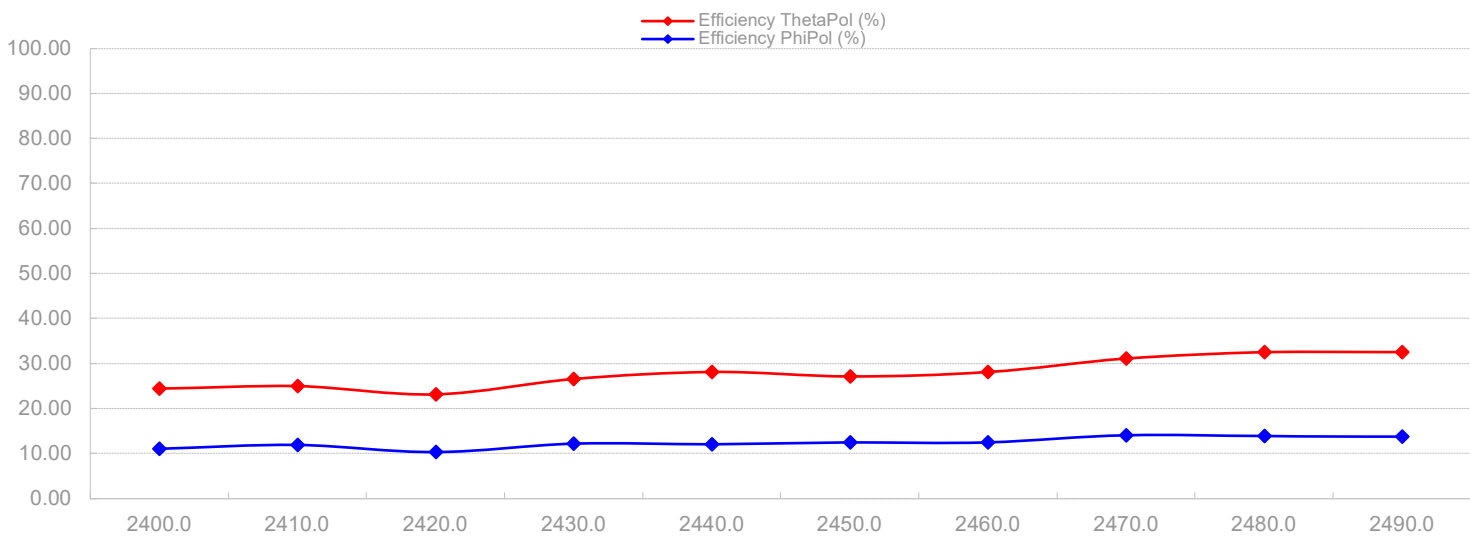
Picture of antenna

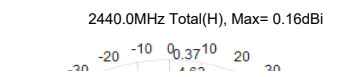
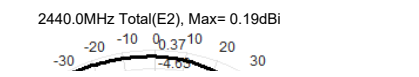
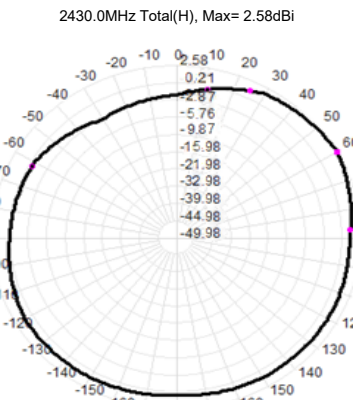
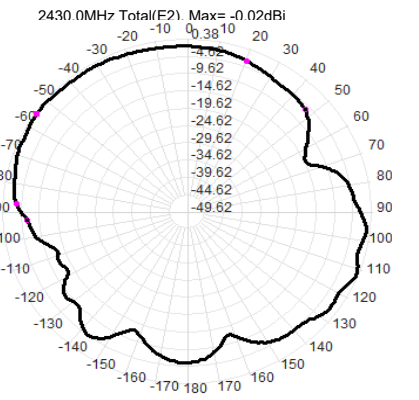
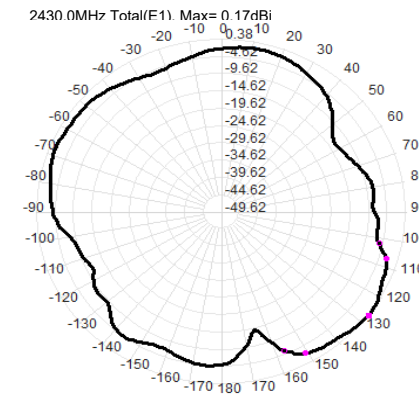
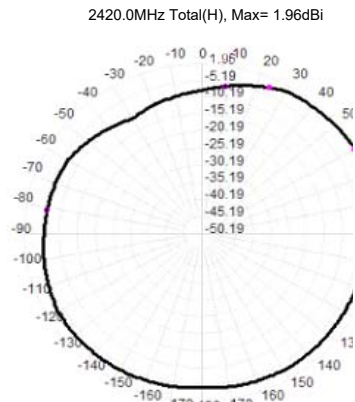
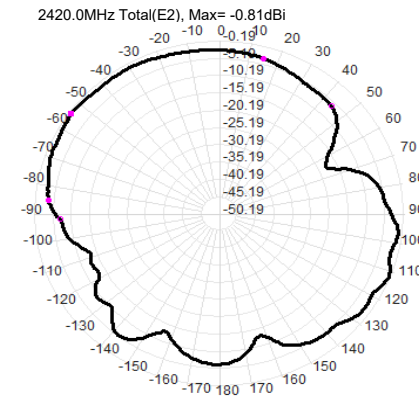
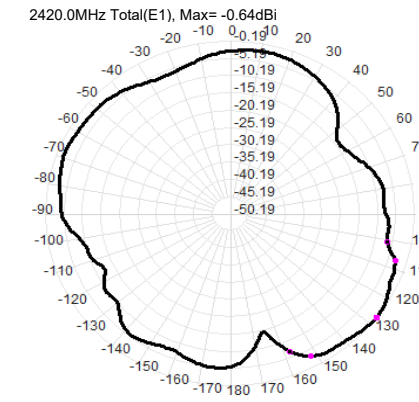
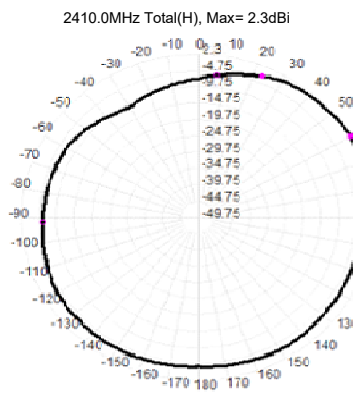
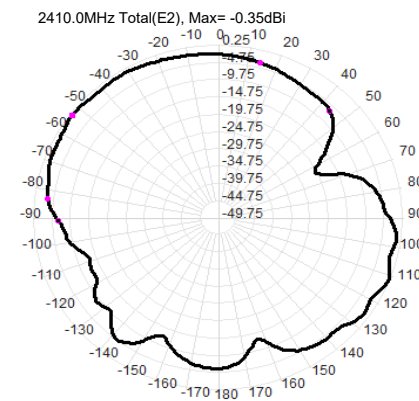
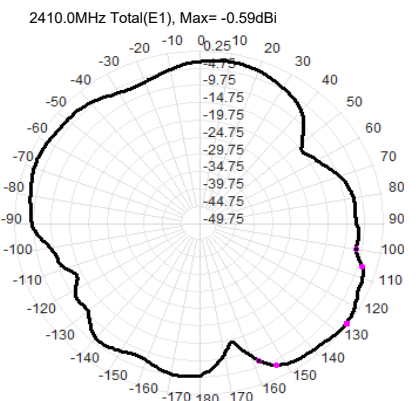
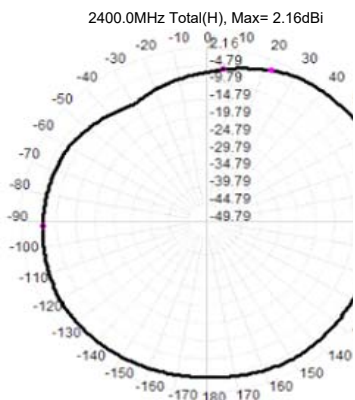
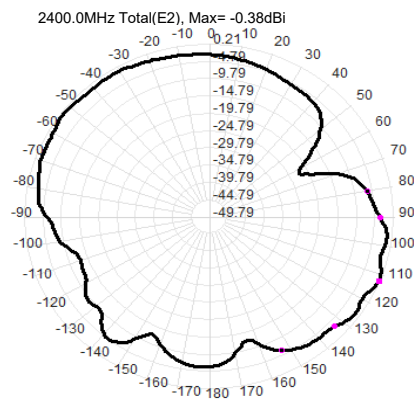
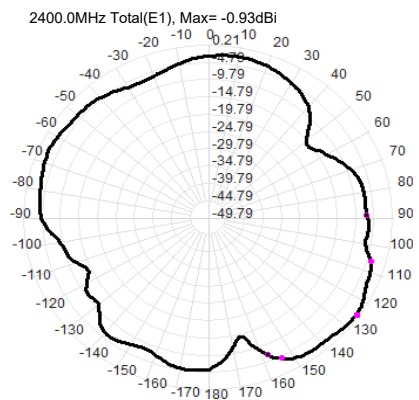


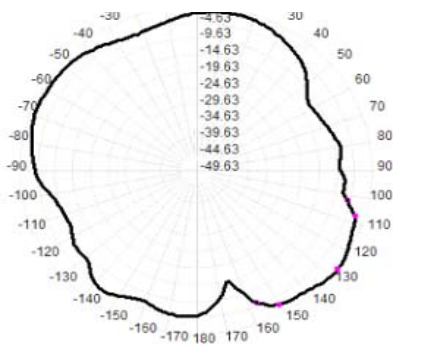
FEITUKEJI										
Frequency ID	1	2	3	4	5	6	7	8	9	10
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0
Efficiency (dBi)	-4.50	-4.33	-4.74	-4.10	-3.94	-4.01	-3.91	-3.44	-3.33	-3.33
Gain (dBi)	2.16	2.30	1.96	2.58	2.43	2.12	1.66	1.61	1.18	0.87
Efficiency (%)	35.52	36.93	33.55	38.92	40.32	39.72	40.66	45.33	46.47	46.40
Directivity (dB)	6.65	6.63	6.70	6.68	6.38	6.13	5.57	5.04	4.51	4.20
Peak Gain Position (Theta)	112.00	112.00	112.00	112.00	112.00	113.00	113.00	113.00	113.00	114.00
Peak Gain Position (Phi)	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
Efficiency ThetaPol (%)	24.44	24.99	23.21	26.65	28.15	27.22	28.13	31.16	32.54	32.59
Efficiency PhiPol (%)	11.08	11.94	10.34	12.27	12.17	12.50	12.53	14.16	13.93	13.81
Upper Hem. Efficiency (%)	18.60	19.41	17.82	21.33	23.20	23.59	24.42	27.38	28.74	29.39
Lower Hem. Efficiency (%)	16.92	17.52	15.73	17.59	17.13	16.12	16.24	17.94	17.73	17.02

Eff 15deg (dBi)										
Gain 15deg (dBi)										
Eff 30deg (dBi)										
Gain 30deg (dBi)										
Eff 30deg (%)										
Gain 30deg (dBi)										
Eff 30deg (%)										
	0.18	0.20	0.00	0.63	0.66	0.51	0.15	0.02	-0.31	-0.25
	-2.21	-1.79	-1.99	-0.91	-0.88	-0.65	-0.94	-0.69	-0.93	-0.82
Empty										

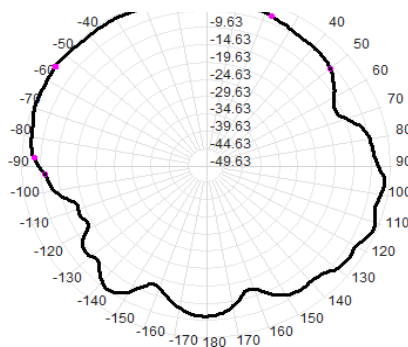




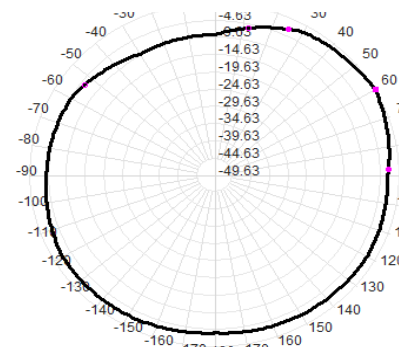




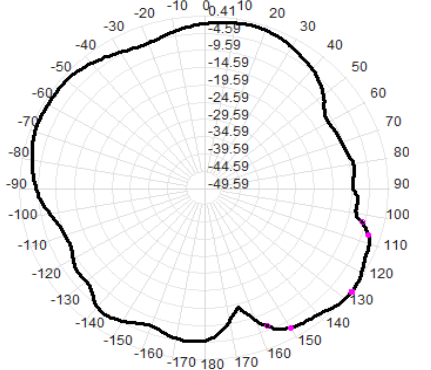
2450.0MHz Total(E1), Max= 0.23dBi



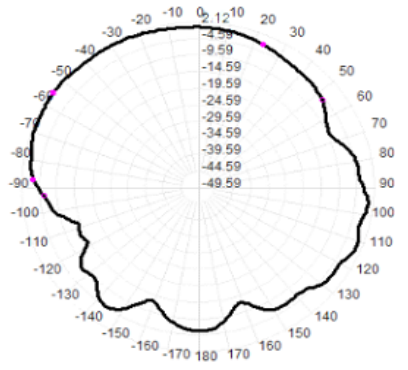
2450.0MHz Total(E2), Max= 2.12dBi



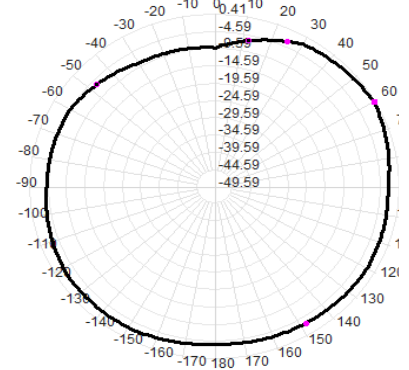
2450.0MHz Total(H), Max= -0.17dBi



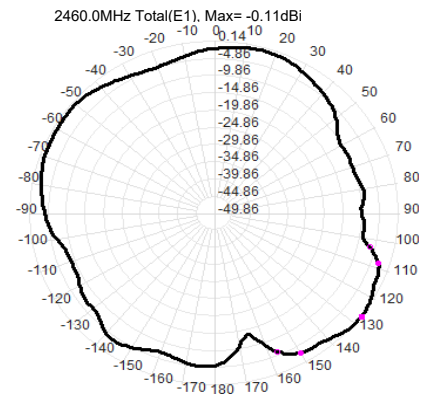
2460.0MHz Total(E1), Max= -0.11dBi



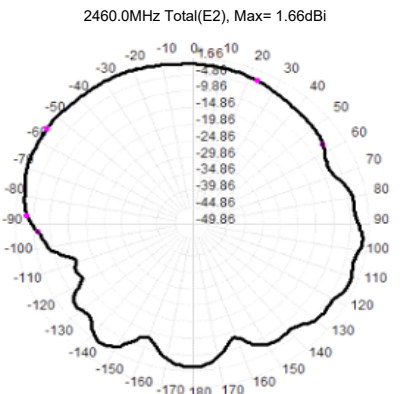
2460.0MHz Total(E2), Max= 1.66dBi



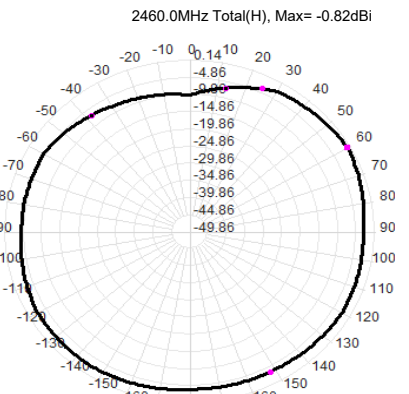
2460.0MHz Total(H), Max= -0.82dBi



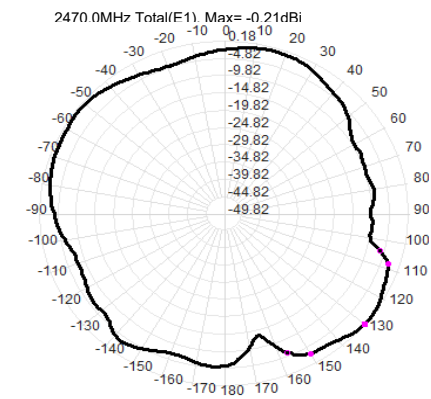
2470.0MHz Total(F1), Max= -0.21dBi



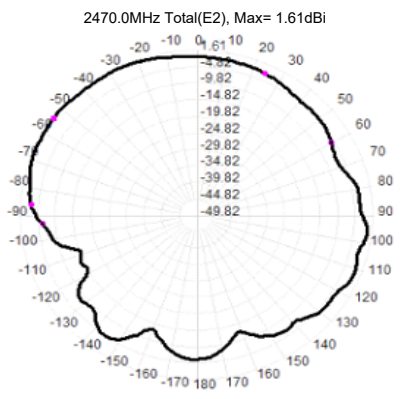
2470.0MHz Total(E2), Max= 1.61dBi



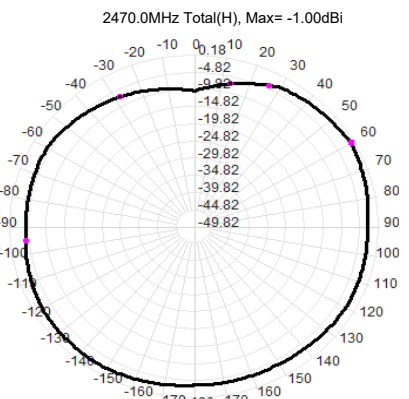
2470.0MHz Total(H), Max= -1.00dBi



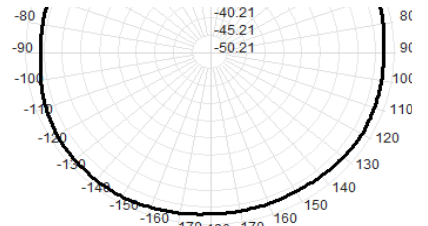
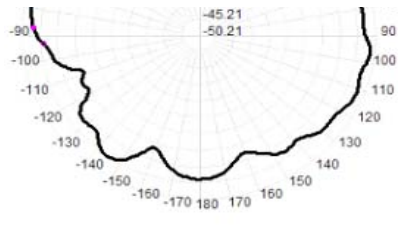
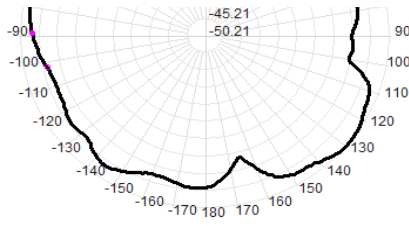
2480.0MHz Total(E1), Max= -0.48dBi



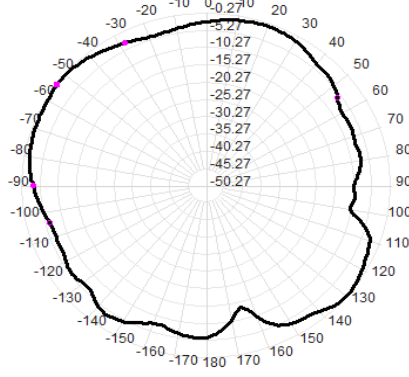
2480.0MHz Total(E2), Max= 1.18dBi



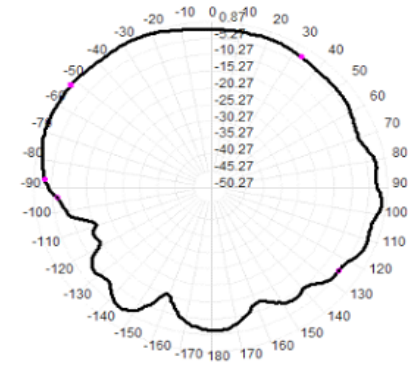
2480.0MHz Total(H), Max= -1.57dBi



2490.0MHz Total(E1), Max=-0.44dBi



2490.0MHz Total(E2), Max=0.87dBi



2490.0MHz Total(H), Max=-1.78dBi

