

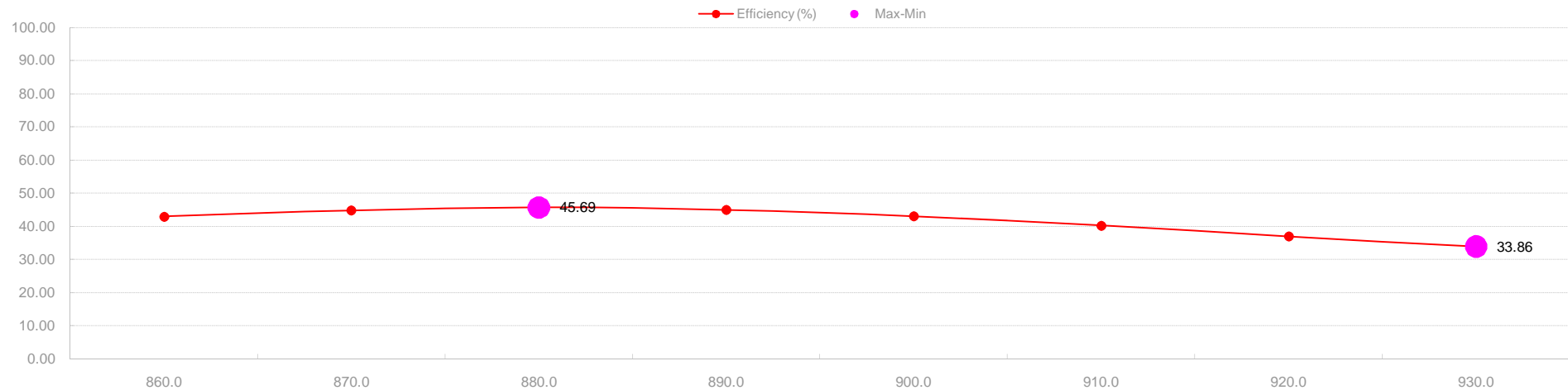


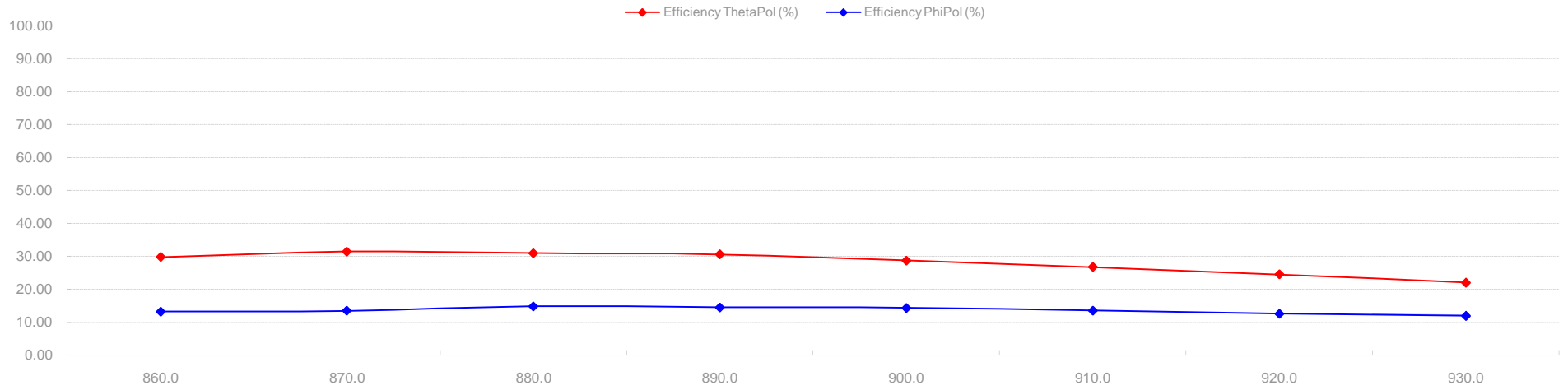
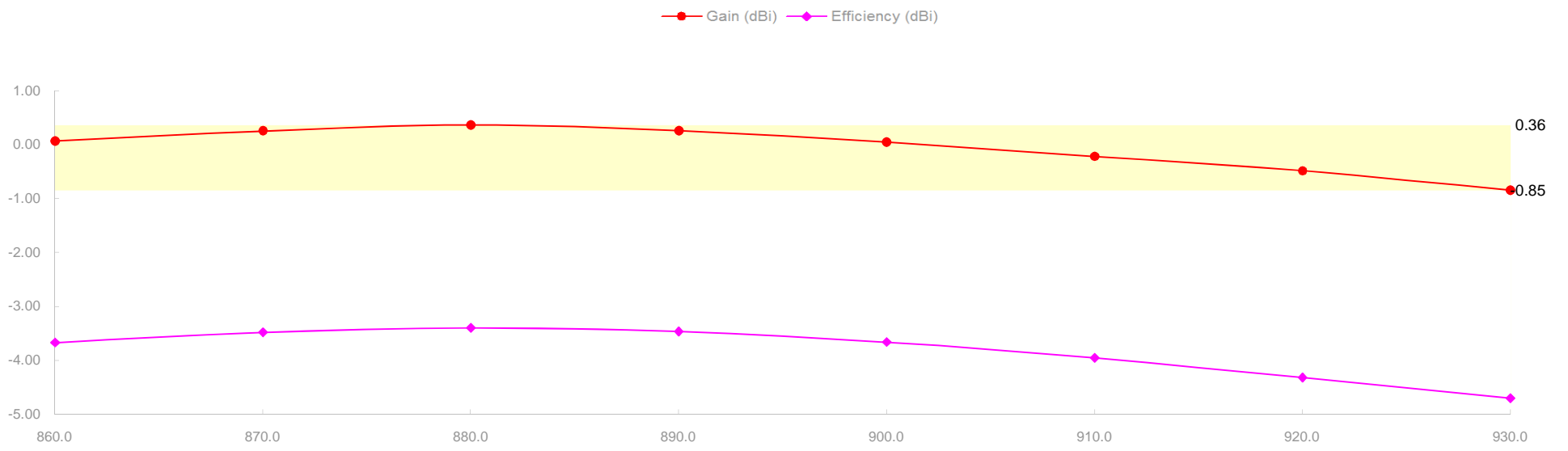
## M.gear

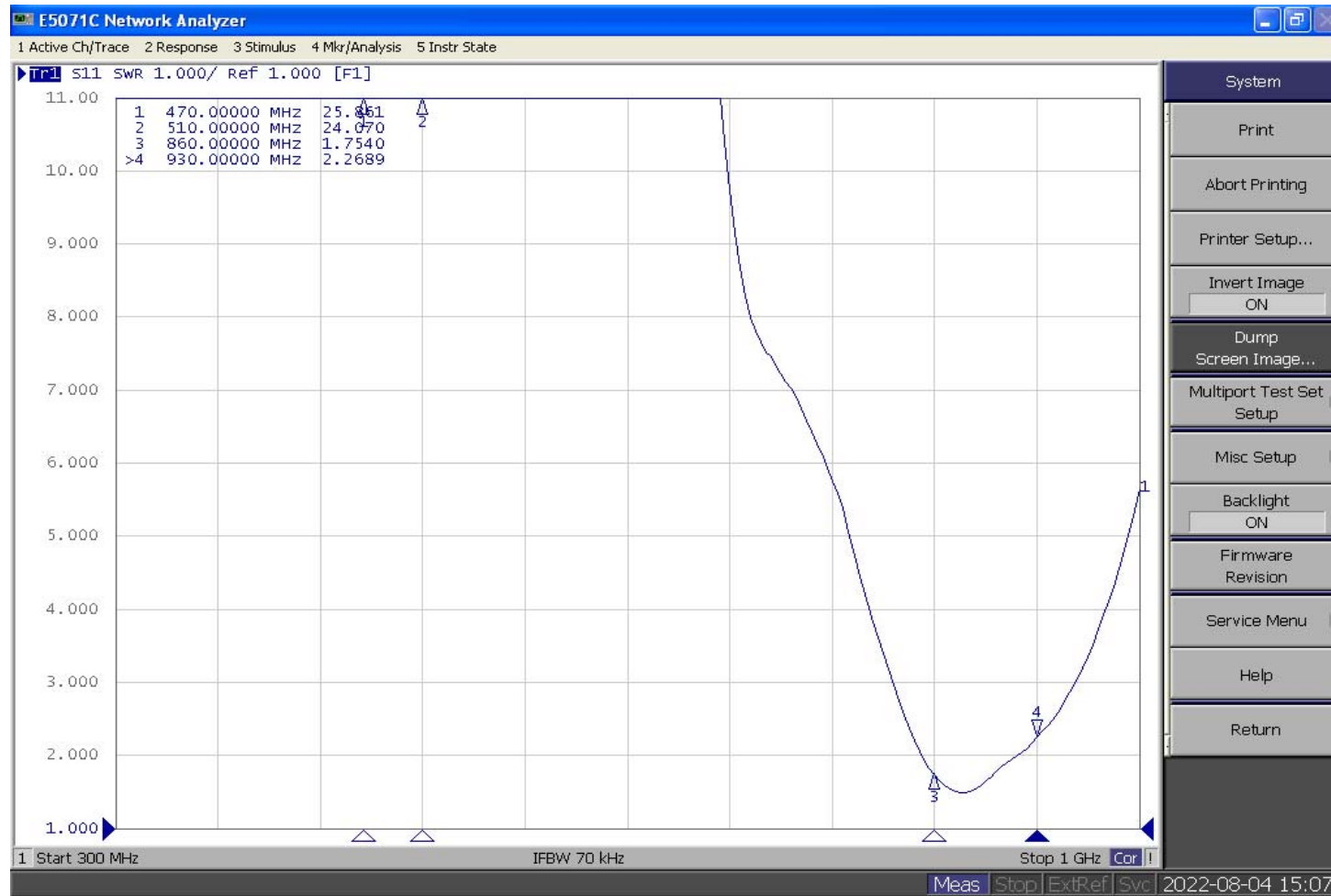
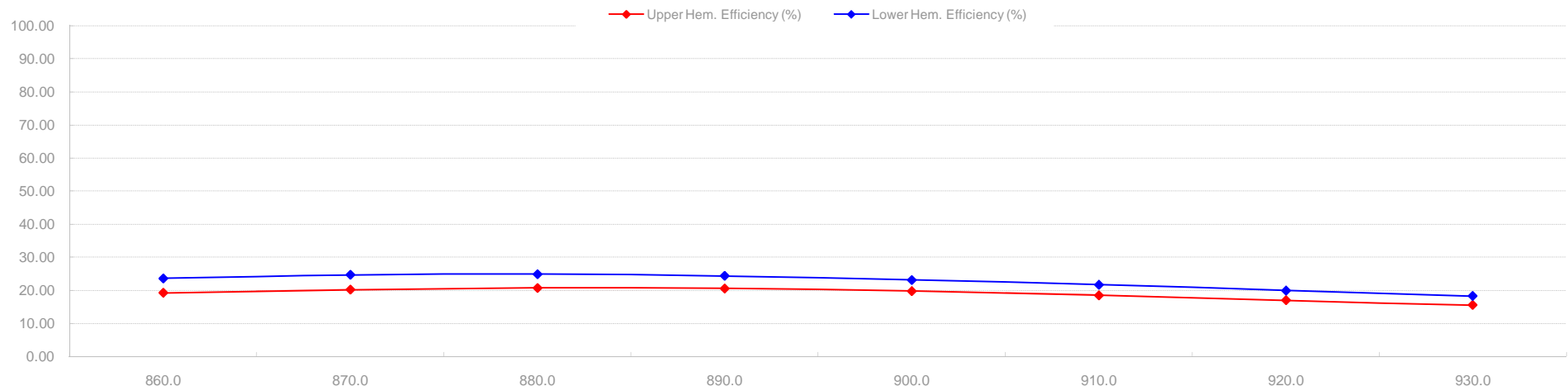
Frequency ID	1	2	3	4	5	6	7	8
Frequency (MHz)	860.0	870.0	880.0	890.0	900.0	910.0	920.0	930.0
Efficiency (dBi)	-3.67	-3.49	-3.40	-3.47	-3.66	-3.96	-4.32	-4.70
Gain (dBi)	0.07	0.25	0.36	0.26	0.04	-0.22	-0.49	-0.85
Efficiency (%)	42.92	44.82	45.69	44.98	43.01	40.20	36.97	33.86
Directivity (dB)	3.74	3.74	3.76	3.73	3.71	3.74	3.83	3.86
Peak Gain Position (Theta)	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00
Peak Gain Position (Phi)	75.00	75.00	90.00	90.00	90.00	90.00	90.00	90.00
Efficiency ThetaPol (%)	29.74	31.45	30.96	30.56	28.73	26.68	24.43	21.96
Efficiency PhiPol (%)	13.18	13.37	14.73	14.42	14.28	13.53	12.54	11.90
Upper Hem. Efficiency (%)	19.27	20.17	20.80	20.58	19.82	18.52	16.99	15.59
Lower Hem. Efficiency (%)	23.65	24.65	24.89	24.40	23.19	21.69	19.98	18.26

T90(H)roundness	7.55	7.73	7.85	7.97	8.20	8.63	9.24	9.99
Gain 15deg (dBi)								
E1(XZ)beam width	122.00	113.00	116.00	112.00	110.00	110.00	111.00	113.00
E1(XZ)front-to-rear ratio	2.34	2.38	2.39	2.52	2.63	2.68	2.67	2.60
E2(YZ)beam width	102.00	100.00	98.00	96.00	93.00	90.00	86.00	86.00
E2(YZ)front-to-rear ratio	3.96	3.96	4.10	4.09	4.14	4.18	4.43	4.65
Maximum benefit axis ratio	44.22	30.84	24.70	31.18	24.10	28.22	23.03	26.95
peak(Theta=0)Axial ratio(P)	4.75	5.71	5.25	5.81	5.14	5.30	4.71	4.80
elevation 10° axial ratio(P)	55.68	49.78	53.99	54.84	56.73	52.47	55.81	51.98
Hc(XY)beam width	168.00	174.00	227.00	241.00	248.00	248.00	248.00	246.00
Hc(XY)front-to-rear ratio	3.21	3.09	2.92	2.57	2.29	2.17	2.13	2.24
Left-handed circular polarization efficiency(%)	22.27	22.79	23.51	22.68	21.98	20.15	18.61	16.68
Right handed circular polarization efficiency(%)	20.65	22.02	22.18	22.30	21.03	20.05	18.36	17.17
Empty								

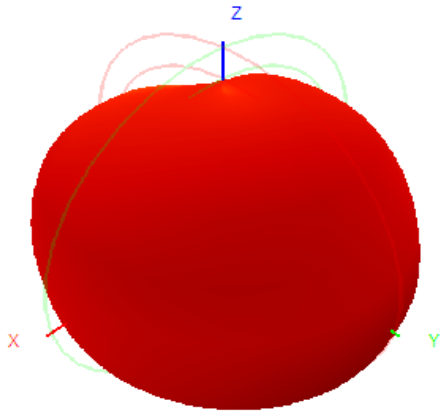
Xiamen Milesight IoT Co., Ltd.  
 Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China



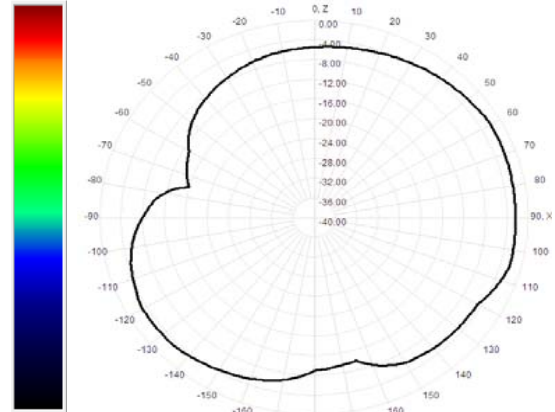




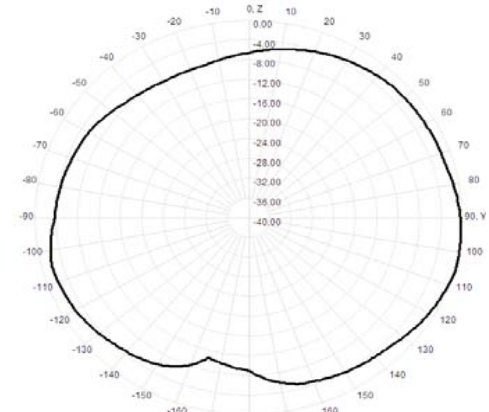
860.0MHz H+V, Eff: 42.9%



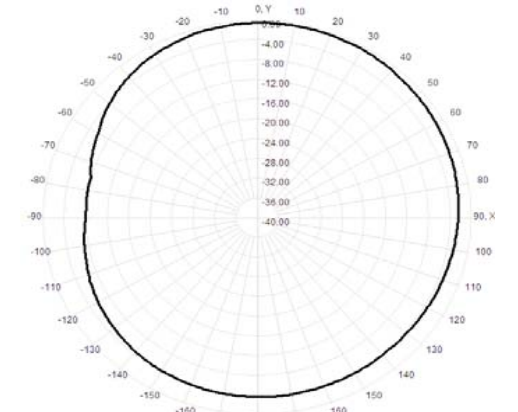
860.0MHz Total(E1-XZ), Max= -2.11dBi



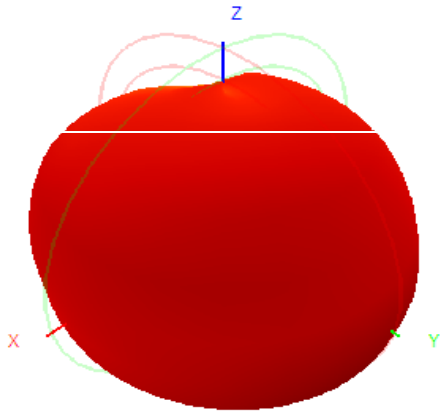
860.0MHz Total(E2-YZ), Max= 0.00dBi



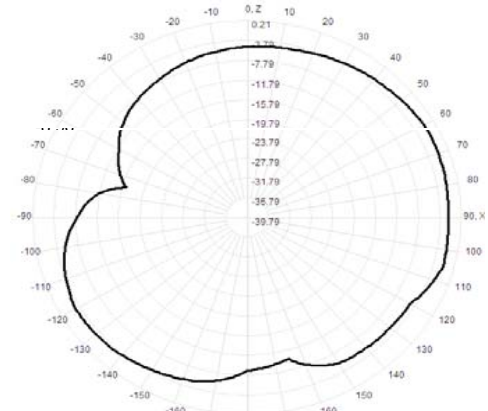
Total(H-XY), Max= -0.51dBi, CirD=7.55



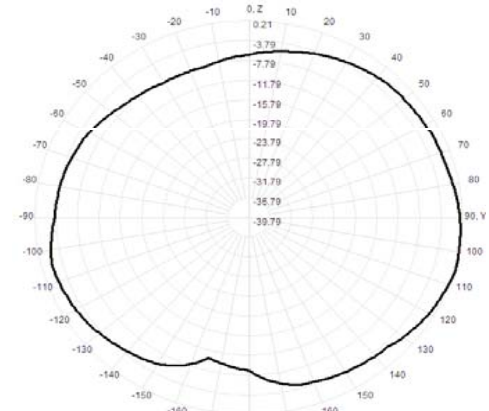
870.0MHz H+V, Eff: 44.8%



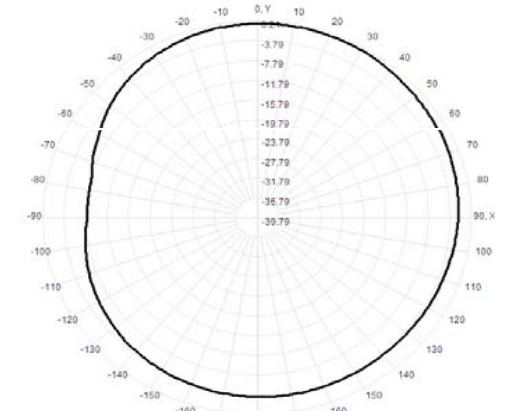
870.0MHz Total(E1-XZ), Max= -1.83dBi



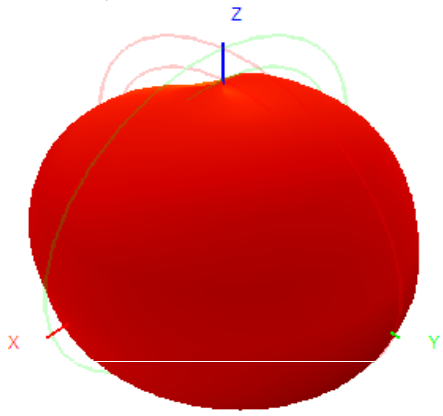
870.0MHz Total(E2-YZ), Max= 0.21dBi



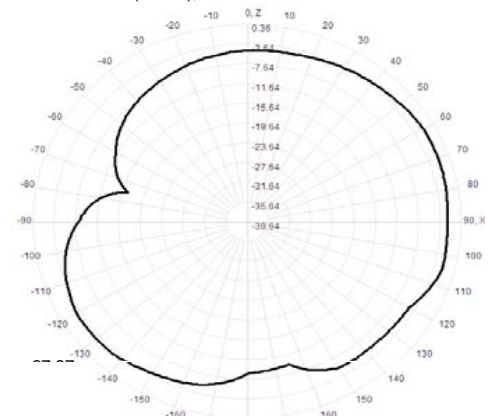
Total(H-XY), Max= -0.38dBi, CirD=7.73



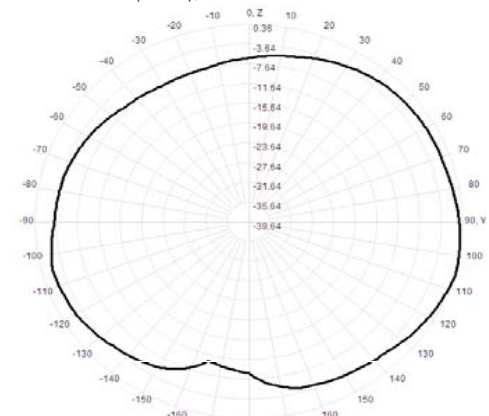
880.0MHz H+V, Eff: 45.7%



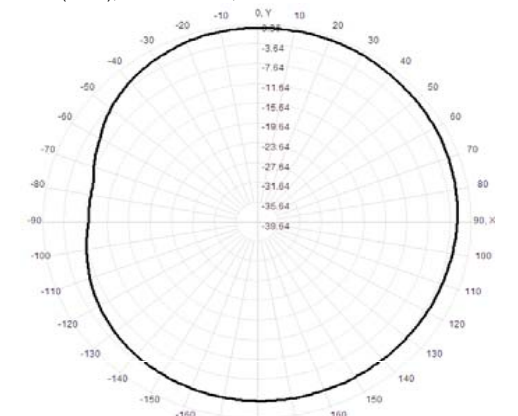
880.0MHz Total(E1-XZ), Max= -1.82dBi



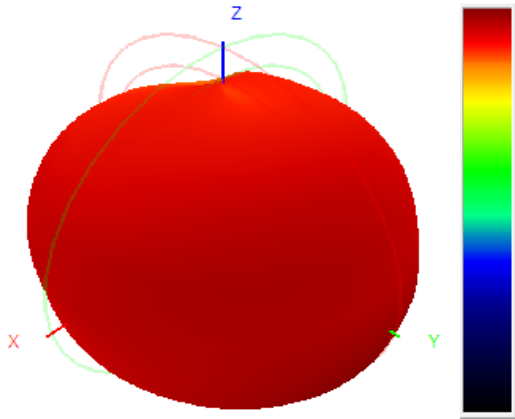
880.0MHz Total(E2-YZ), Max= 0.36dBi



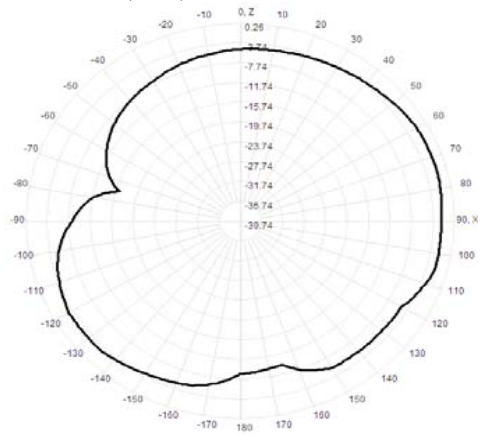
Total(H-XY), Max= -0.35dBi, CirD=7.85



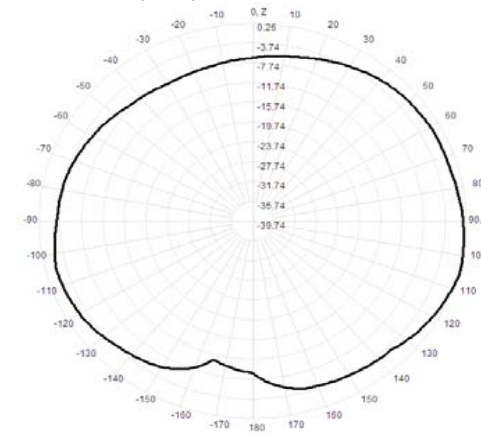
890.0MHz H+V, Eff: 45.0%



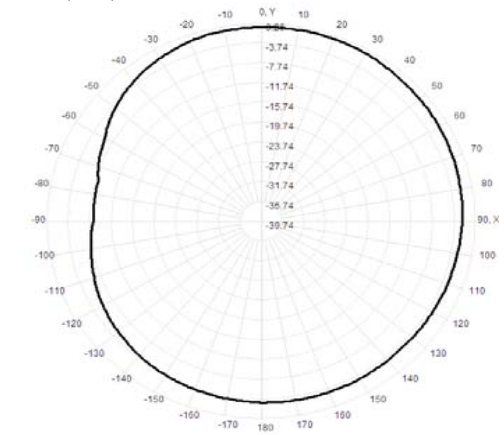
890.0MHz Total(E1-XZ), Max= -1.77dBi



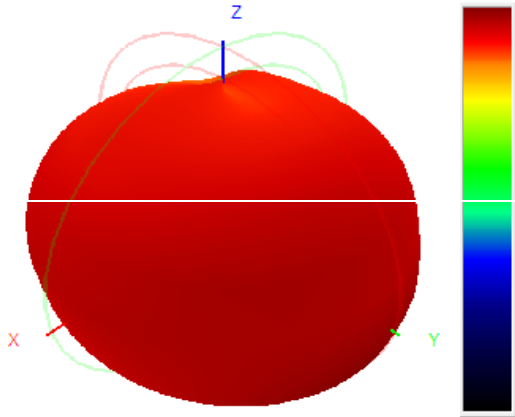
890.0MHz Total(E2-YZ), Max= 0.26dBi



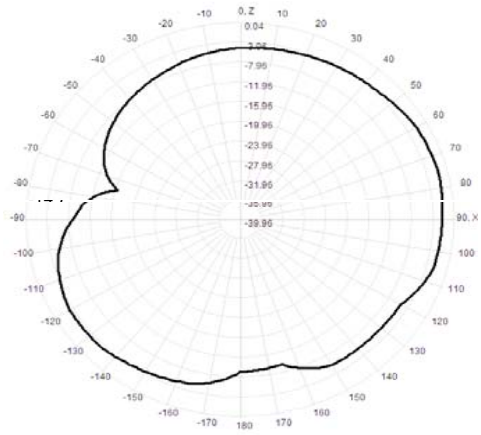
Total(H-XY), Max= -0.46dBi, CirD=7.97



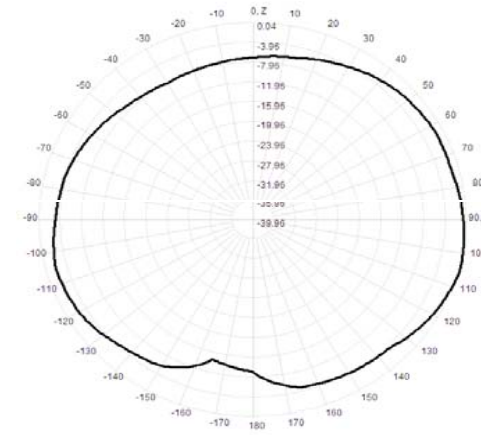
900.0MHz H+V, Eff: 43.0%



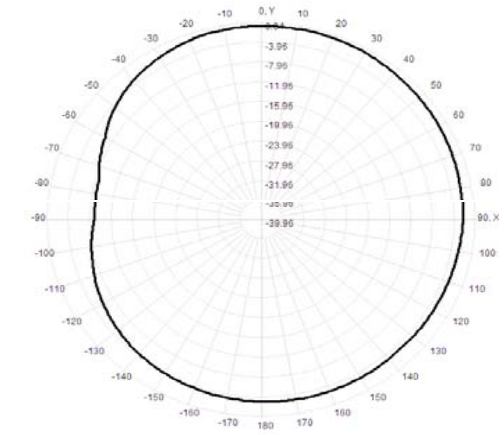
900.0MHz Total(E1-XZ), Max= -1.84dBi



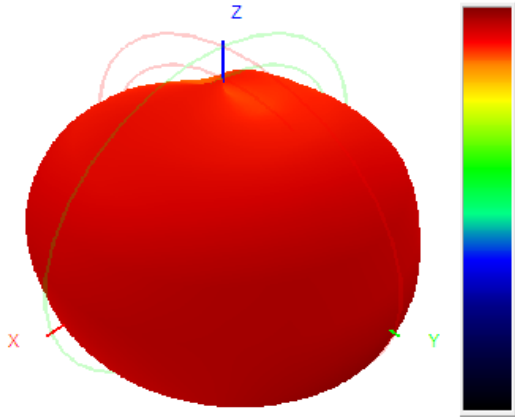
900.0MHz Total(E2-YZ), Max= 0.04dBi



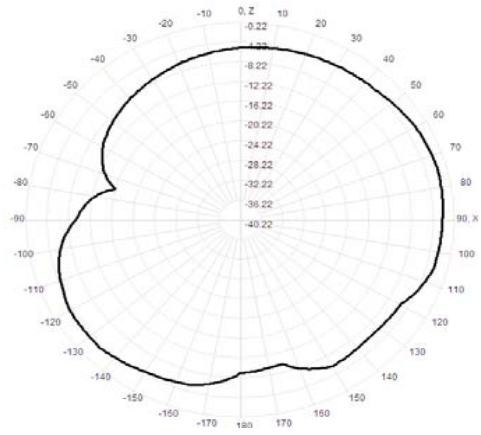
Total(H-XY), Max= -0.68dBi, CirD=8.20



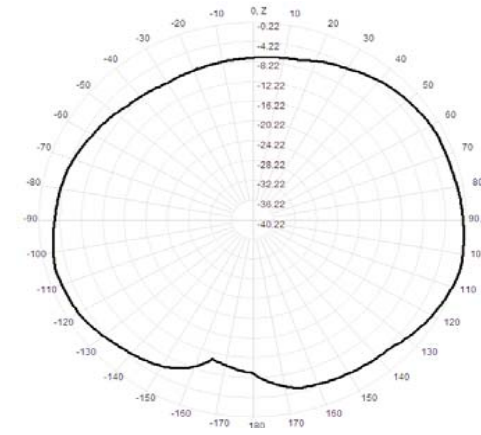
910.0MHz H+V, Eff: 40.2%



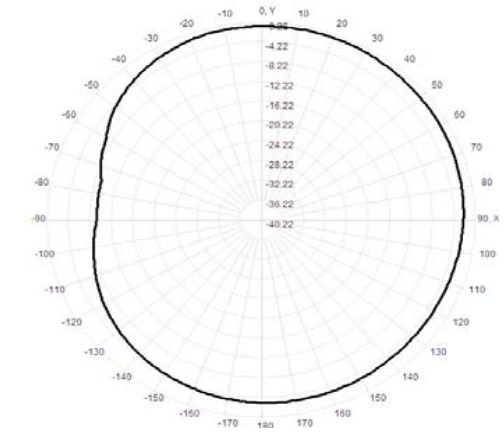
910.0MHz Total(E1-XZ), Max= -2.07dBi



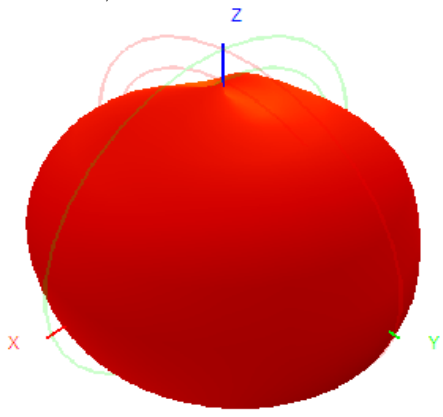
910.0MHz Total(E2-YZ), Max= -0.22dBi



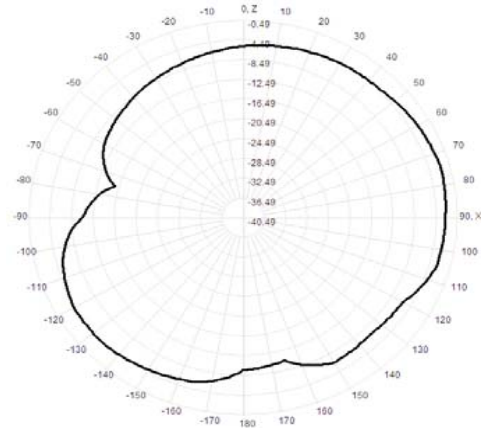
Total(H-XY), Max= -0.96dBi, CirD=8.63



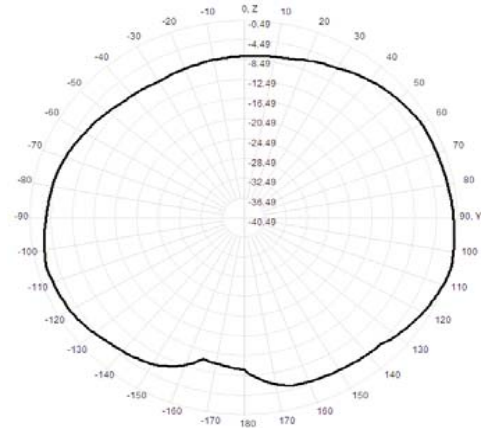
920.0MHz H+V, Eff: 37.0%



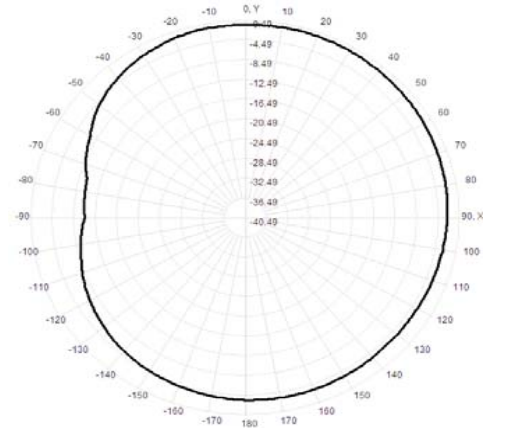
920.0MHz Total(E1-XZ), Max= -2.36dBi



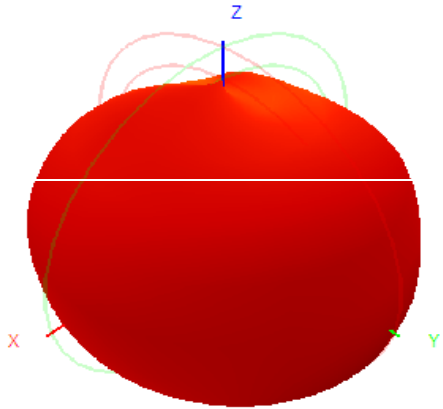
920.0MHz Total(E2-YZ), Max= -0.49dBi



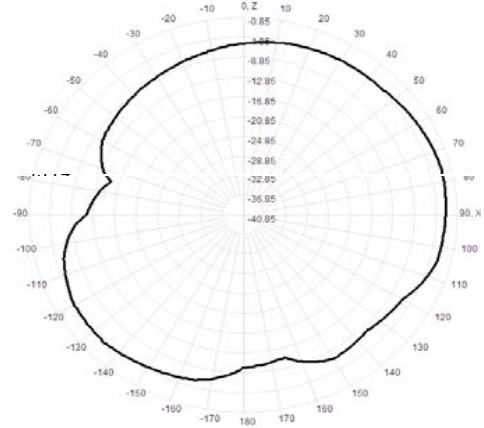
Total(H-XY), Max= -1.31dBi, CirD=9.24



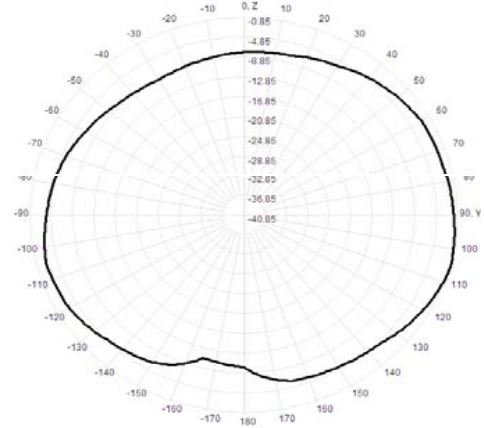
930.0MHz H+V, Eff: 33.9%



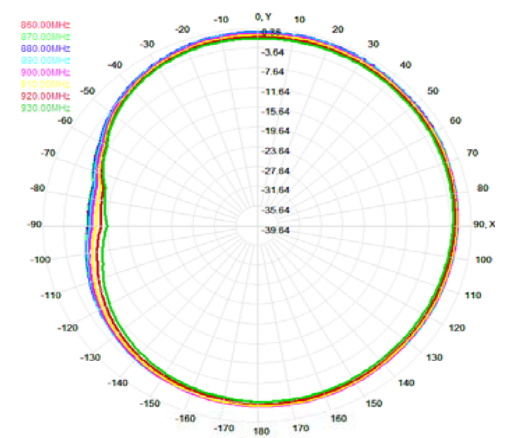
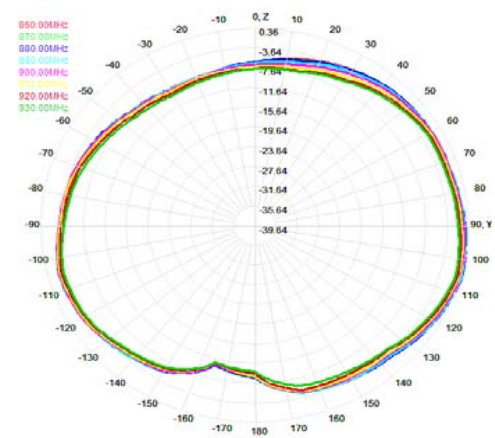
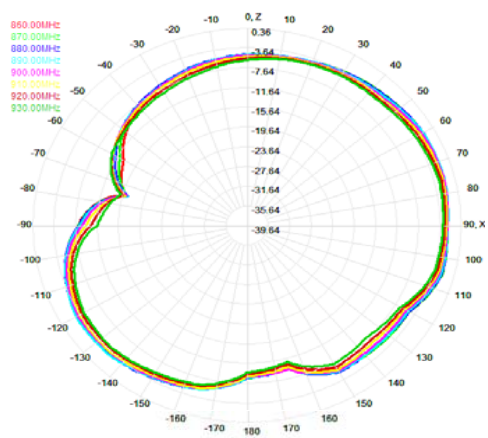
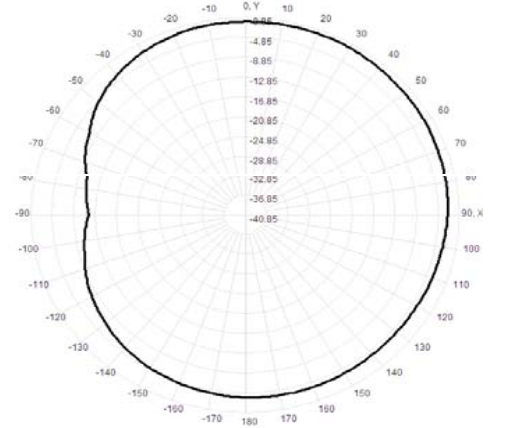
930.0MHz Total(E1-XZ), Max= -2.80dBi



930.0MHz Total(E2-YZ), Max= -0.85dBi



Total(H-XY), Max= -1.67dBi, CirD=9.99



Antenna



CB-B<sup>c</sup>  
94V-0 E308301  
UL<sup>us</sup>

2021-07-06  
41.002.000023  
AM200-900-V1.0.