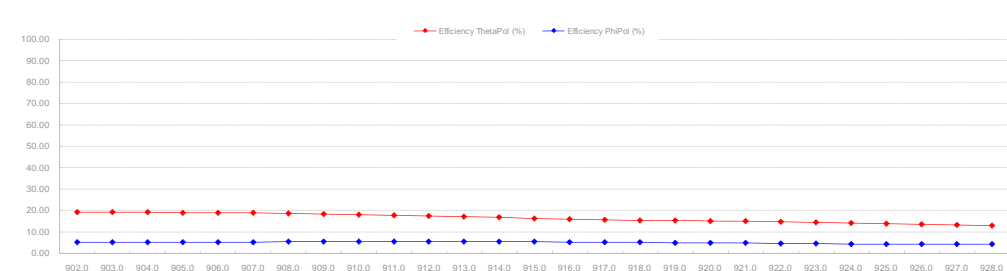
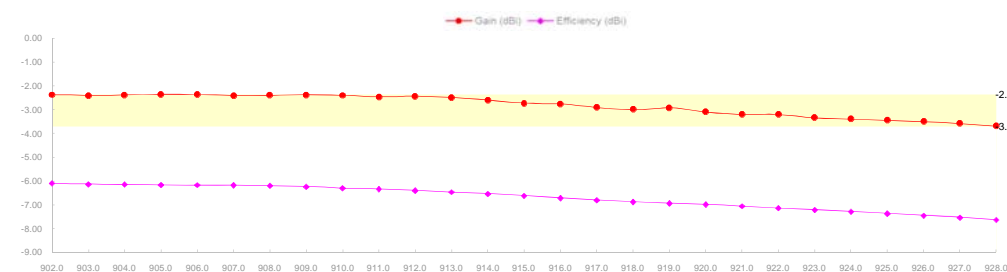
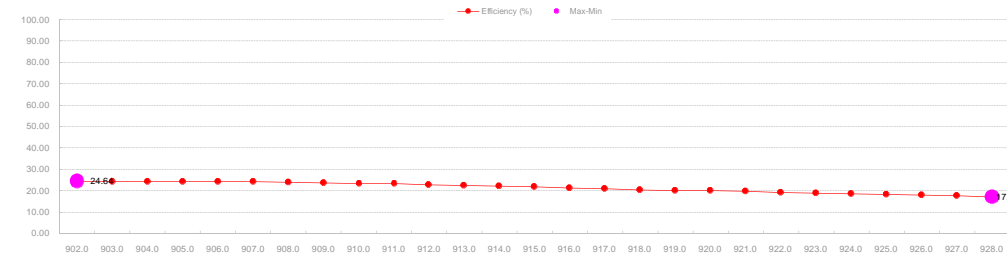


### M.gear

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
Frequency (MHz)	902.0	903.0	904.0	905.0	906.0	907.0	908.0	909.0	910.0	911.0	912.0	913.0	914.0	915.0	916.0	917.0	918.0	919.0	920.0	921.0	922.0	923.0	924.0	925.0	926.0	927.0	928.0	
Efficiency (dB)	-6.08	-6.12	-6.13	-6.15	-6.15	-6.16	-6.18	-6.22	-6.29	-6.32	-6.39	-6.45	-6.53	-6.61	-6.70	-6.79	-6.86	-6.93	-6.97	-7.04	-7.13	-7.20	-7.27	-7.36	-7.44	-7.52	-7.62	
Gain (dB)	-2.36	-2.39	-2.38	-2.35	-2.36	-2.40	-2.39	-2.37	-2.39	-2.45	-2.43	-2.48	-2.59	-2.72	-2.75	-2.89	-2.98	-2.91	-3.08	-3.20	-3.18	-3.33	-3.37	-3.43	-3.49	-3.56	-3.67	
Efficiency (%)	24.64	24.41	24.39	24.25	24.24	24.22	24.10	23.86	23.52	23.32	22.98	22.64	22.24	21.84	21.36	20.94	20.59	20.29	19.75	19.38	19.06	18.74	18.38	18.02	17.68	17.30		
Directivity (dB)	3.72	3.73	3.75	3.80	3.80	3.76	3.79	3.86	3.90	3.87	3.96	3.97	3.93	3.89	3.96	3.90	3.88	4.01	3.89	3.85	3.94	3.87	3.90	3.93	3.95	3.97	3.95	
Peak Gain Position (Theta)	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	
Peak Gain Position (Phi)	105.00	105.00	90.00	105.00	105.00	90.00	90.00	105.00	90.00	90.00	105.00	90.00	105.00	90.00	90.00	90.00	90.00	90.00	90.00	105.00	255.00	90.00	255.00	255.00	90.00	255.00	255.00	
Efficiency ThetaPol (%)	19.39	19.22	19.20	19.09	19.02	18.93	18.74	18.45	18.07	17.79	17.43	17.10	16.74	16.38	16.01	15.71	15.48	15.29	15.19	14.99	14.75	14.52	14.29	14.01	13.71	13.42	13.10	
Efficiency PhiPol (%)	5.25	5.19	5.19	5.16	5.22	5.29	5.35	5.41	5.45	5.52	5.55	5.54	5.51	5.45	5.35	5.24	5.11	5.00	4.90	4.77	4.63	4.54	4.45	4.36	4.31	4.26	4.19	
Upper Hem. Efficiency (%)	9.46	9.38	9.37	9.31	9.30	9.31	9.25	9.18	9.05	8.96	8.83	8.72	8.56	8.43	8.24	8.08	7.94	7.82	7.75	7.64	7.49	7.38	7.26	7.14	7.00	6.90	6.77	
Lower Hem. Efficiency (%)	15.18	15.03	15.02	14.94	14.94	14.91	14.84	14.68	14.47	14.34	14.15	13.92	13.68	13.41	13.13	12.87	12.65	12.47	12.34	12.12	11.89	11.68	11.48	11.24	11.02	10.79	10.53	
T90(H)角度	4.51	4.70	4.76	4.80	4.99	4.81	5.06	5.25	5.39	5.19	5.44	5.53	5.45	5.75	5.96	6.02	5.74	6.22	5.91	6.07	6.42	6.57	6.33	6.55	6.60	6.75	6.95	
Gain 15deg (dBi)																												
E1(XZ)波瓣宽度	58.00	66.00	61.00	62.00	64.00	67.00	60.00	59.00	75.00	60.00	103.00	97.00	105.00	104.00	109.00	103.00	101.00	105.00	110.00	105.00	99.00	99.00	106.00	109.00	104.00	103.00	110.00	
E1(XZ)前后比	3.15	3.32	3.19	3.05	3.30	3.14	3.23	3.18	3.36	3.13	3.28	3.36	3.11	3.30	3.20	3.35	3.28	3.31	3.23	3.25	3.28	3.48	3.26	3.42	3.30	3.40	3.29	
E2(YZ)波瓣宽度	65.00	65.00	65.00	65.00	64.00	64.00	63.00	63.00	63.00	62.00	62.00	61.00	62.00	62.00	61.00	61.00	60.00	61.00	62.00	60.00	61.00	61.00	61.00	60.00	59.00	76.00	77.00	
E2(YZ)前后比	4.59	4.46	4.63	4.51	4.55	4.54	4.53	4.72	4.81	4.61	4.79	4.87	4.74	4.85	4.72	4.53	4.78	4.82	4.71	4.65	4.69	4.55	4.79	4.66	4.70	4.83	4.71	
最大增益轴比(P)	18.75	19.24	16.32	19.01	17.88	15.58	15.45	18.28	15.86	15.61	15.73	18.07	16.45	16.66	17.04	17.03	17.49	17.46	18.02	19.73	13.72	18.40	13.53	13.17	17.98	13.29	13.20	
顶点(theta=0)轴比(P)	18.90	18.88	20.96	21.95	23.01	25.04	25.91	28.54	30.84	31.36	35.26	39.80	44.51	47.38	38.27	33.86	35.42	29.21	27.43	28.72	24.37	25.24	22.50	23.14	21.15	20.39	19.70	
仰角10度增益(大)轴比(P)	63.09	59.85	57.95	63.26	63.96	64.56	59.00	57.50	65.00	64.14	63.42	61.28	58.25	63.89	63.93	62.77	65.55	64.30	66.68	64.74	60.82	65.66	67.08	62.56	64.88	65.13	64.70	
Hc(XY)波瓣宽度	114.00	117.00	115.00	115.00	110.00	113.00	113.00	110.00	106.00	109.00	108.00	105.00	107.00	105.00	106.00	106.00	105.00	105.00	106.00	107.00	125.00	123.00	118.00	124.00	125.00	126.00	123.00	
Hc(XY)前后比	0.48	0.40	0.41	0.30	0.37	0.35	0.26	0.39	0.33	0.30	0.23	0.26	0.22	0.14	0.17	0.04	0.12	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
左旋圆极化效率(%)	11.97	11.87	11.87	11.80	11.80	11.78	11.70	11.58	11.42	11.31	11.15	10.96	10.79	10.59	10.34	10.13	9.95	9.81	9.69	9.53	9.35	9.20	9.03	8.86	8.70	8.53	8.36	
右旋圆极化效率(%)	12.67	12.55	12.52	12.46	12.44	12.43	12.39	12.27	12.09	12.00	11.83	11.69	11.46	11.25	11.02	10.81	10.64	10.48	10.40	10.22	10.03	9.86	9.71	9.52	9.32	9.16	8.94	
Empty																												



F5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

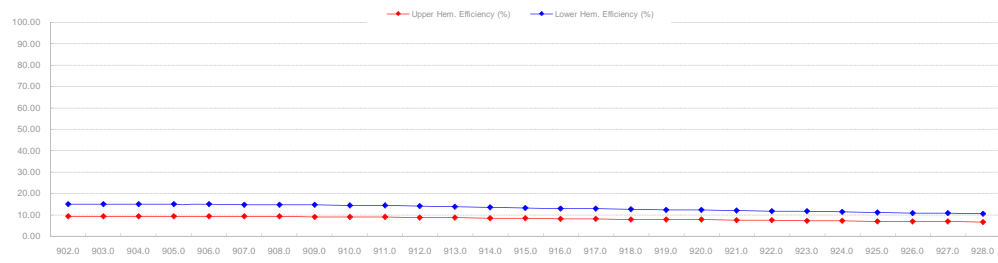
Marker 6 928.000000 MHz

S11 SWR 1.000/ ref 1.000 [F1]

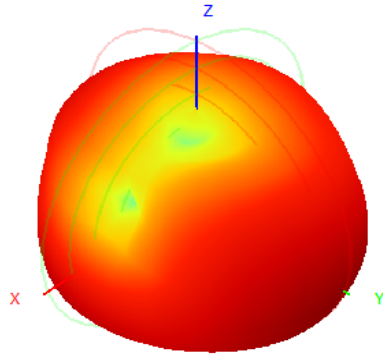
1	470.00000 MHz	33.213
2	510.00000 MHz	35.054
3	863.00000 MHz	5.3441
4	870.00000 MHz	4.4444
5	902.00000 MHz	1.4834
>6	928.00000 MHz	2.1625

1 Start 300 MHz IFBW 70 kHz Stop 1 GHz Ctrl II

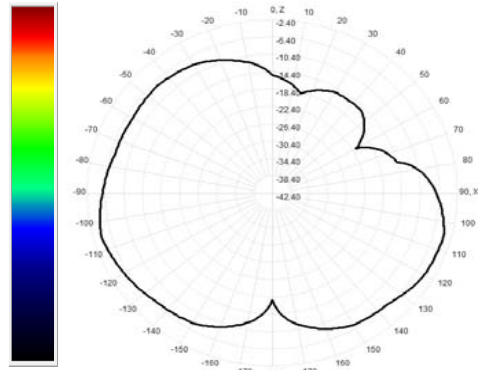
Meas Stop ExtRef Svc 2022



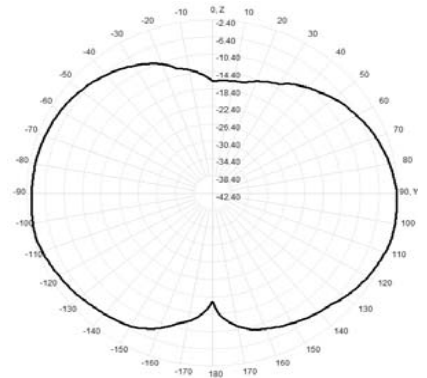
902.0MHz H+V, Eff: 24.6%



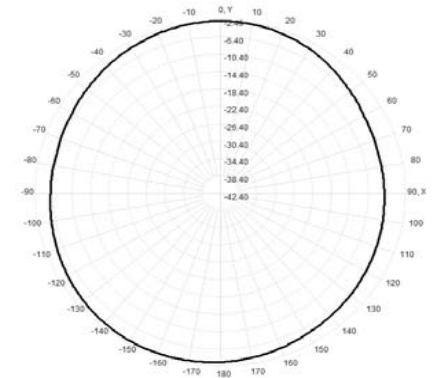
902.0MHz Total(E1-XZ), Max=-4.24dBi



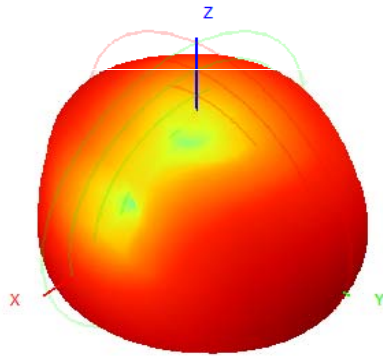
902.0MHz Total(E2-YZ), Max=-2.40dBi



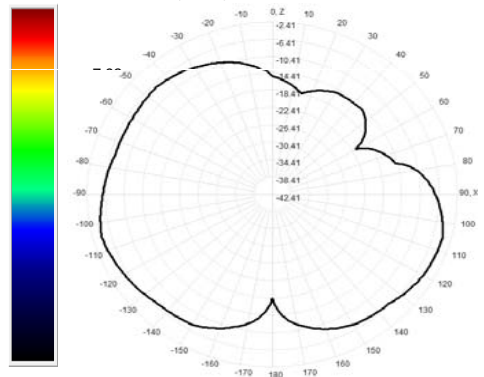
Total(H-XY), Max=-2.70dBi, CirD=4.51



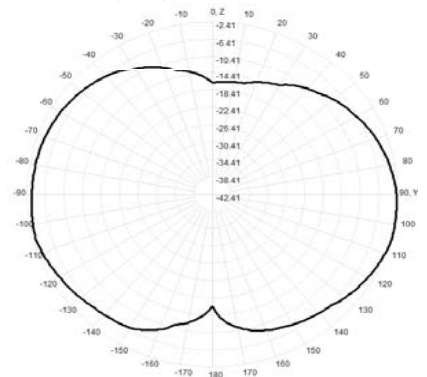
903.0MHz H+V, Eff: 24.4%



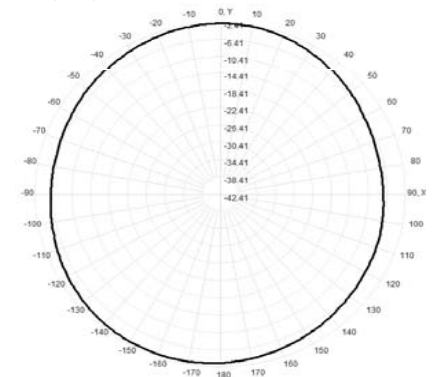
903.0MHz Total(E1-XZ), Max=-4.34dBi



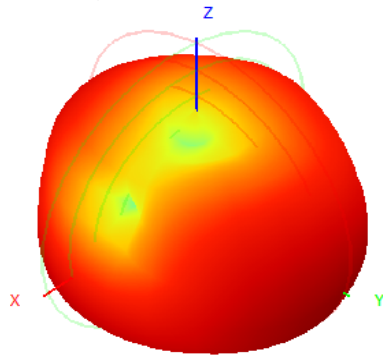
903.0MHz Total(E2-YZ), Max=-2.41dBi



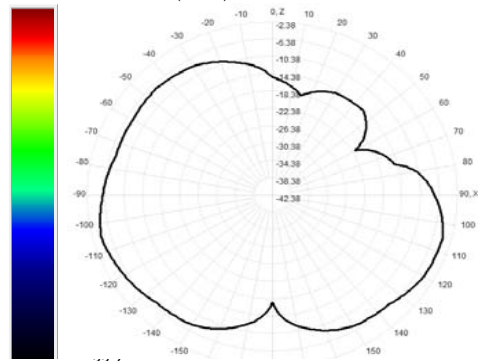
Total(H-XY), Max=-2.77dBi, CirD=4.70



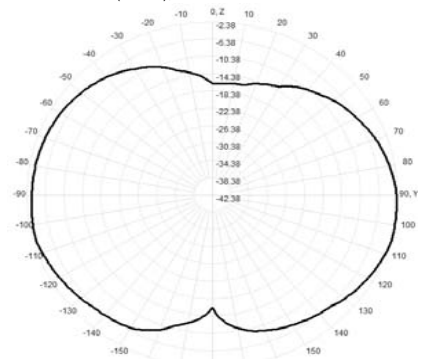
904.0MHz H+V, Eff: 24.4%



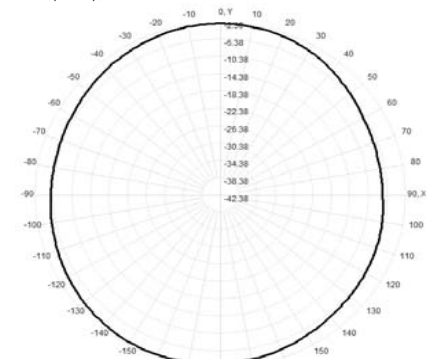
904.0MHz Total(E1-XZ), Max=-4.27dBi



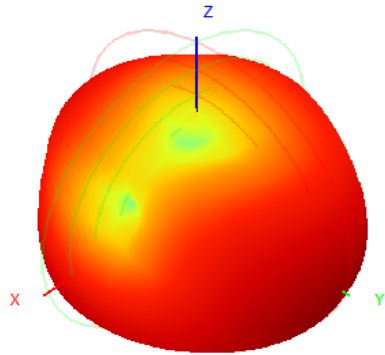
904.0MHz Total(E2-YZ), Max=-2.38dBi



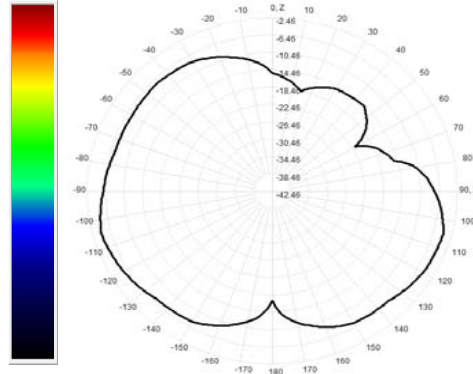
Total(H-XY), Max=-2.75dBi, CirD=4.76



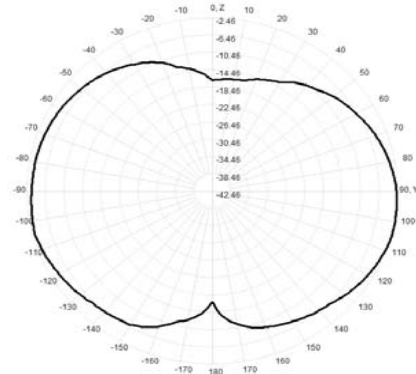
905.0MHz H+V, Eff: 24.3%



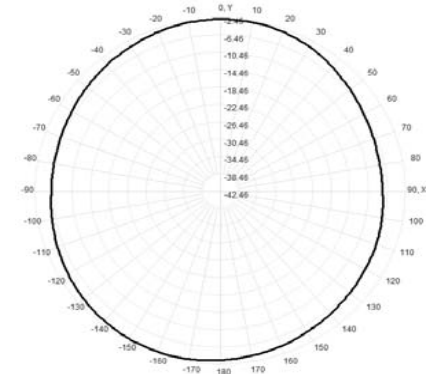
905.0MHz Total(E1-XZ), Max= -4.35dBi



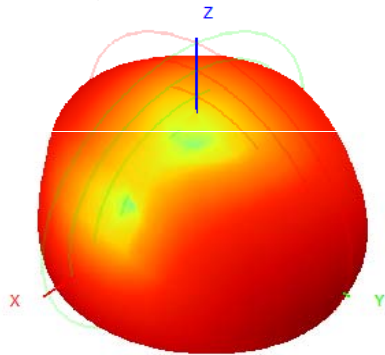
905.0MHz Total(E2-YZ), Max= -2.46dBi



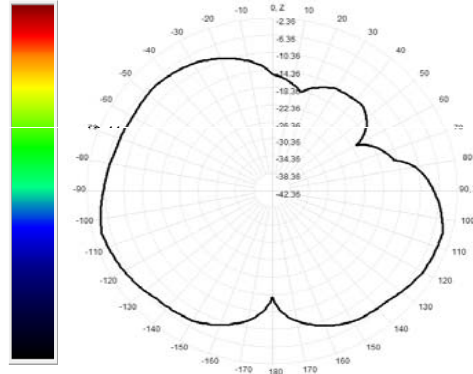
Total(H-XY), Max= -2.80dBi, CirD=4.80



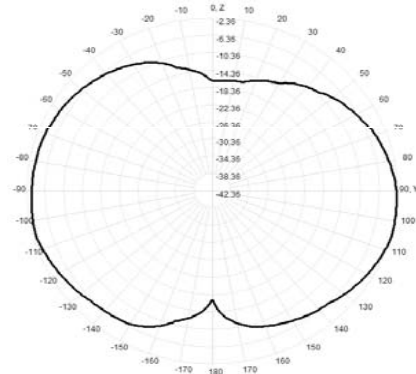
906.0MHz H+V, Eff: 24.2%



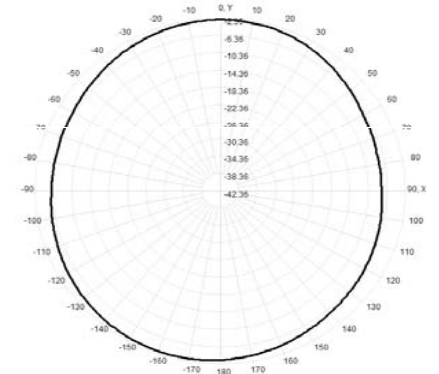
906.0MHz Total(E1-XZ), Max= -4.32dBi



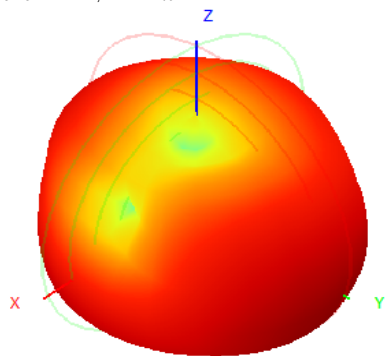
906.0MHz Total(E2-YZ), Max= -2.36dBi



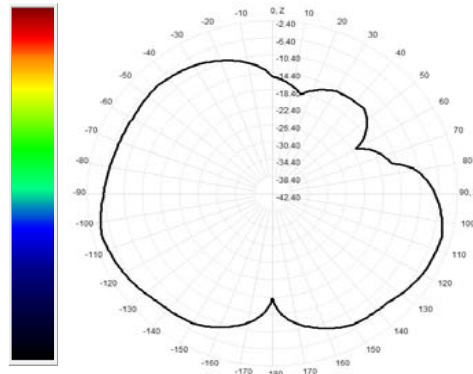
Total(H-XY), Max= -2.73dBi, CirD=4.99



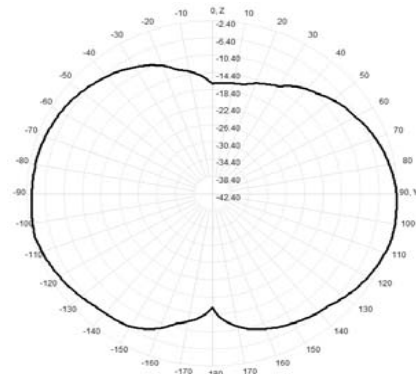
907.0MHz H+V, Eff: 24.2%



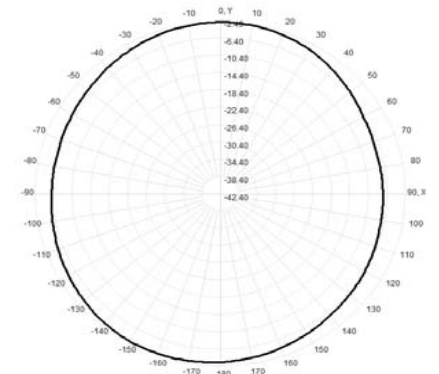
907.0MHz Total(E1-XZ), Max= -4.37dBi



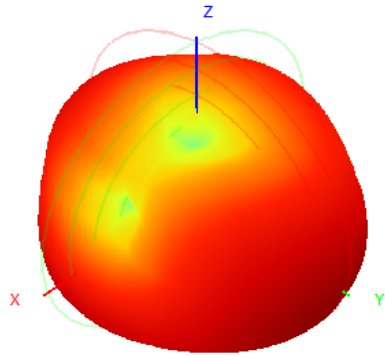
907.0MHz Total(E2-YZ), Max= -2.40dBi



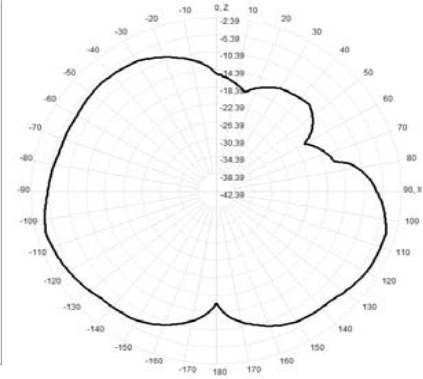
Total(H-XY), Max= -2.75dBi, CirD=4.81



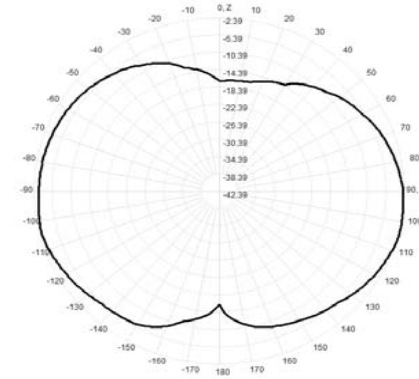
908.0MHz H+V, Eff: 24.1%



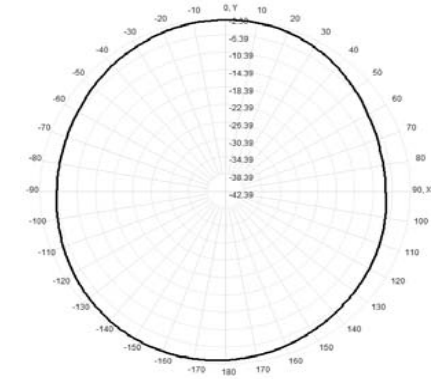
908.0MHz Total(E1-XZ), Max= -4.41dBi



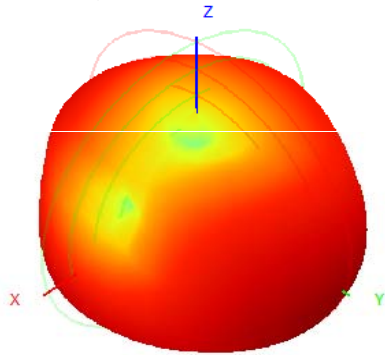
908.0MHz Total(E2-YZ), Max= -2.39dBi



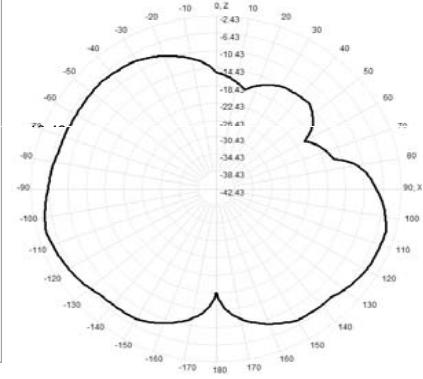
Total(H-XY), Max= -2.85dBi, CirD=5.06



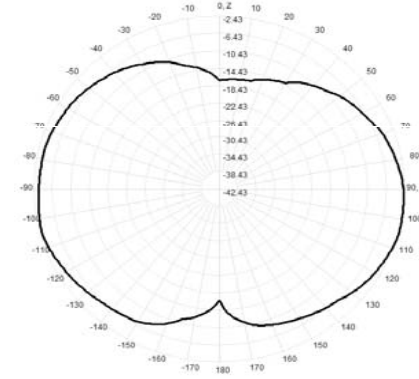
909.0MHz H+V, Eff: 23.9%



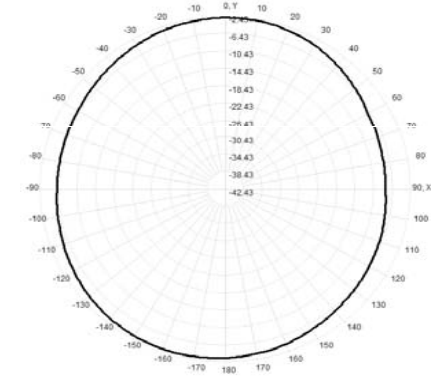
909.0MHz Total(E1-XZ), Max= -4.45dBi



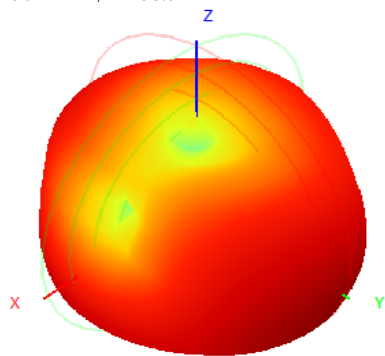
909.0MHz Total(E2-YZ), Max= -2.43dBi



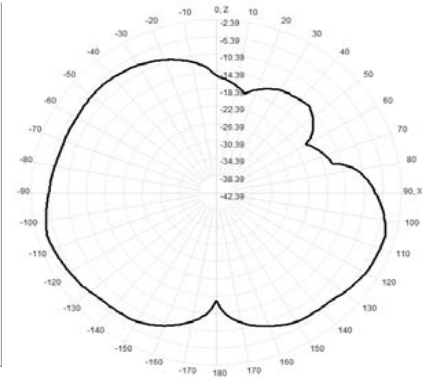
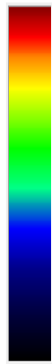
Total(H-XY), Max= -2.80dBi, CirD=5.25



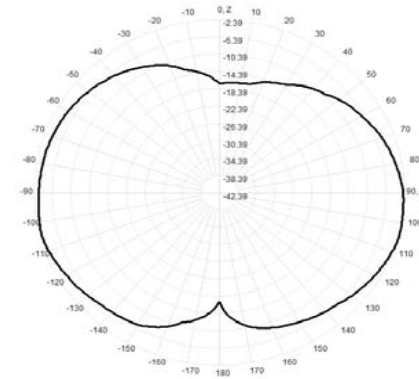
910.0MHz H+V, Eff: 23.5%



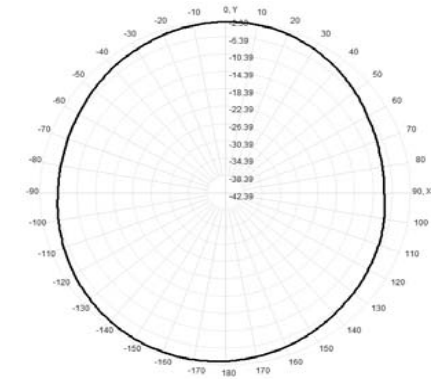
910.0MHz Total(E1-XZ), Max= -4.60dBi



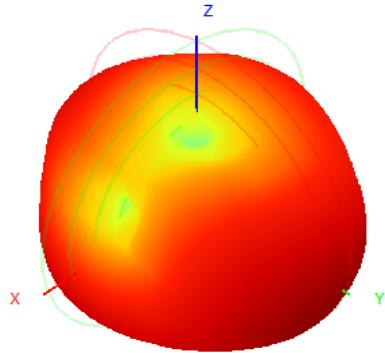
910.0MHz Total(E2-YZ), Max= -2.39dBi



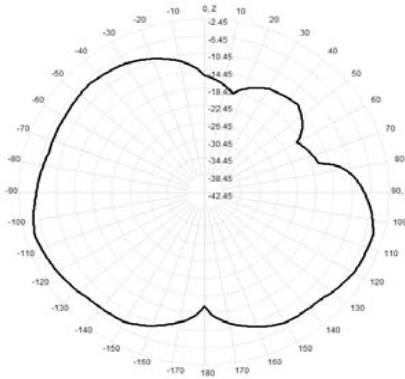
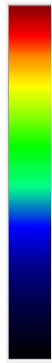
Total(H-XY), Max= -2.85dBi, CirD=5.39



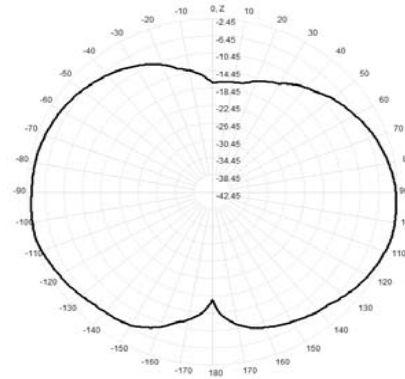
911.0MHz H+V, Eff: 23.3%



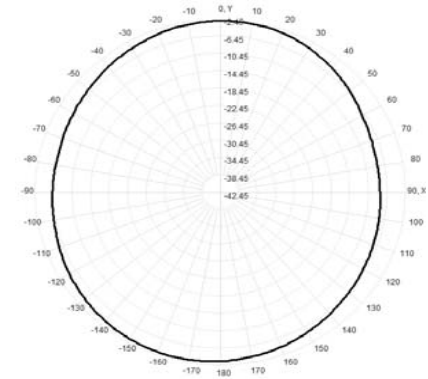
911.0MHz Total(E1-XZ), Max= -4.62dBi



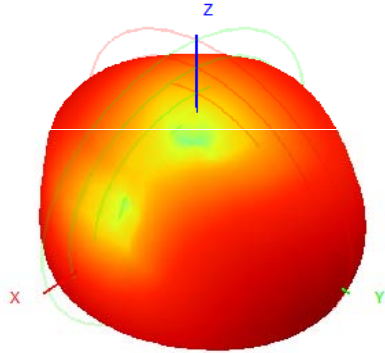
911.0MHz Total(E2-YZ), Max= -2.45dBi



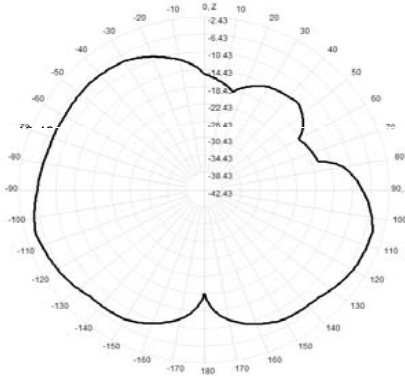
Total(H-XY), Max= -2.93dBi, CirD=5.19



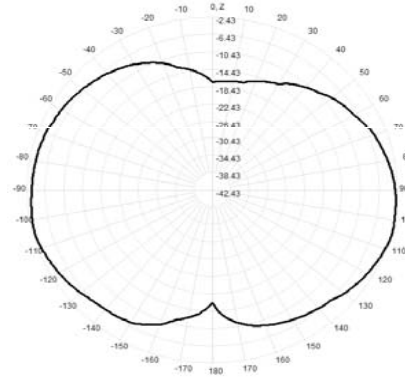
912.0MHz H+V, Eff: 23.0%



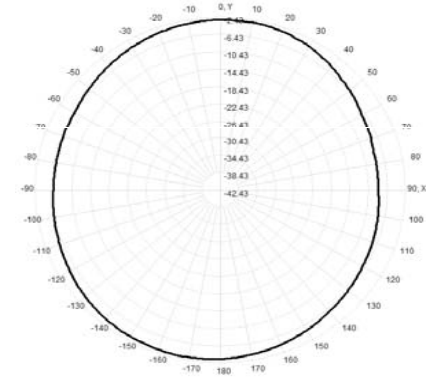
912.0MHz Total(E1-XZ), Max= -4.74dBi



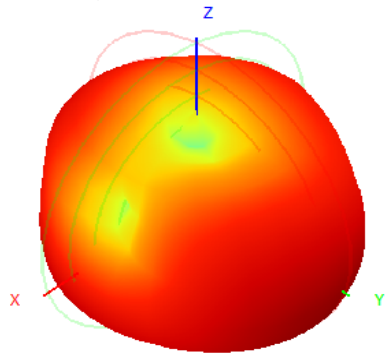
912.0MHz Total(E2-YZ), Max= -2.43dBi



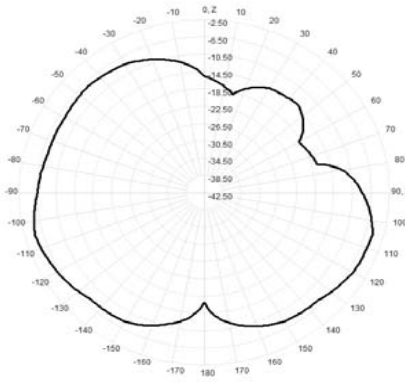
Total(H-XY), Max= -3.06dBi, CirD=5.44



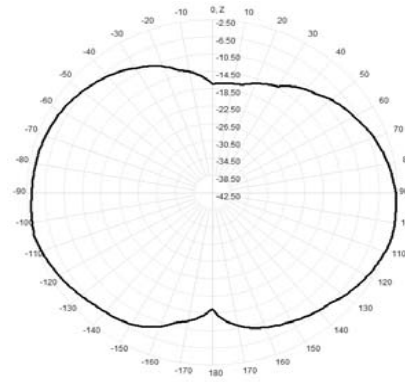
913.0MHz H+V, Eff: 22.6%



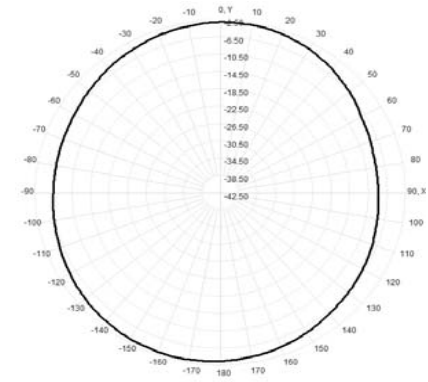
913.0MHz Total(E1-XZ), Max= -4.75dBi



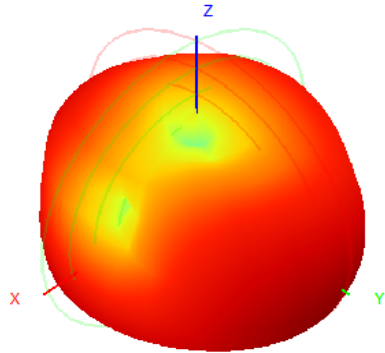
913.0MHz Total(E2-YZ), Max= -2.50dBi



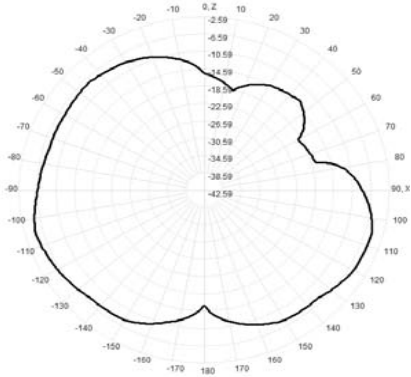
Total(H-XY), Max= -3.05dBi, CirD=5.53



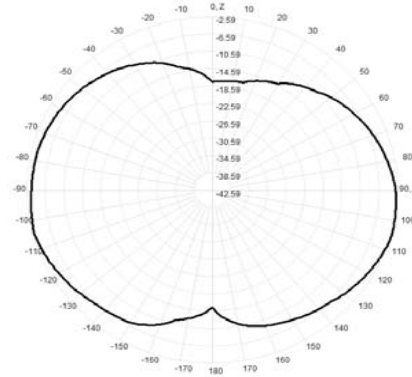
914.0MHz H+V, Eff: 22.2%



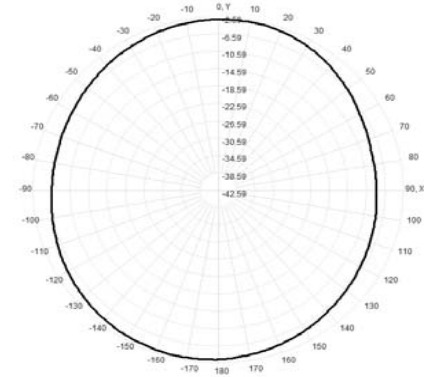
914.0MHz Total(E1-XZ), Max= -4.89dBi



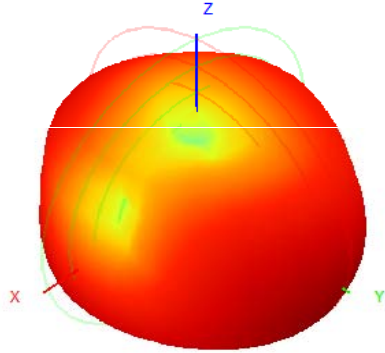
914.0MHz Total(E2-YZ), Max= -2.59dBi



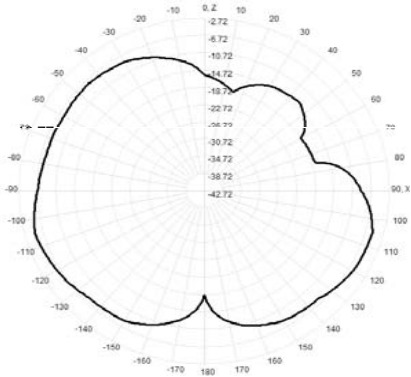
Total(H-XY), Max= -3.20dBi, CirD=5.45



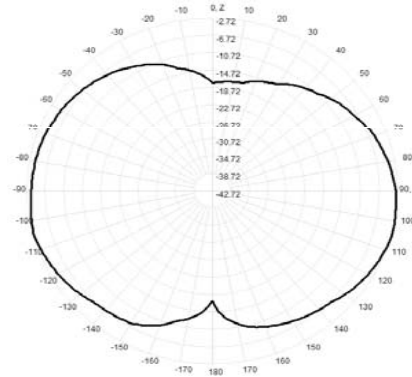
915.0MHz H+V, Eff: 21.8%



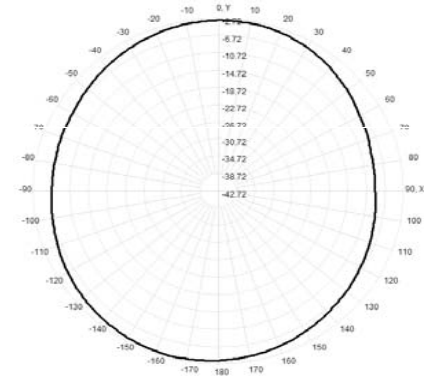
915.0MHz Total(E1-XZ), Max= -4.95dBi



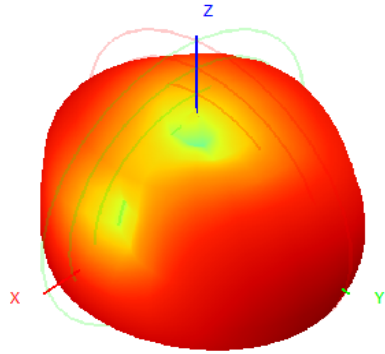
915.0MHz Total(E2-YZ), Max= -2.72dBi



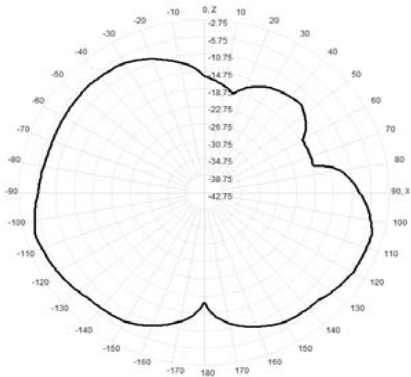
Total(H-XY), Max= -3.26dBi, CirD=5.75



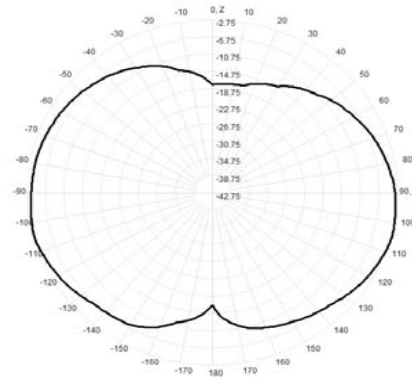
916.0MHz H+V, Eff: 21.4%



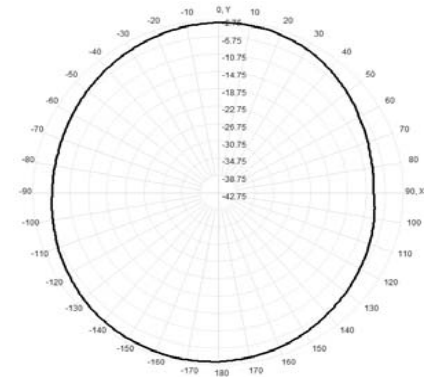
916.0MHz Total(E1-XZ), Max= -5.08dBi



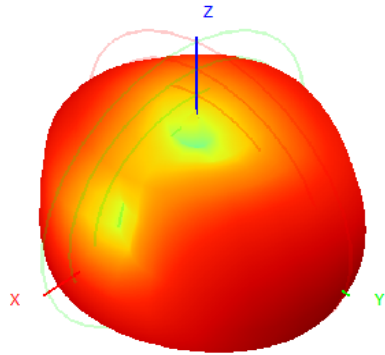
916.0MHz Total(E2-YZ), Max= -2.75dBi



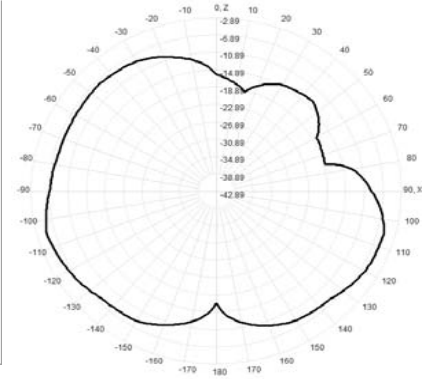
Total(H-XY), Max= -3.41dBi, CirD=5.96



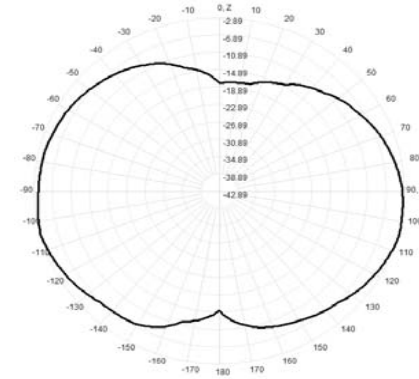
917.0MHz H+V, Eff: 20.9%



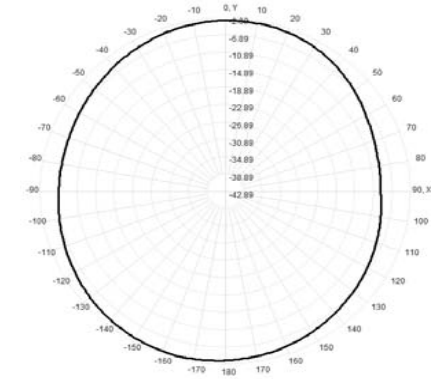
917.0MHz Total(E1-XZ), Max= -5.08dBi



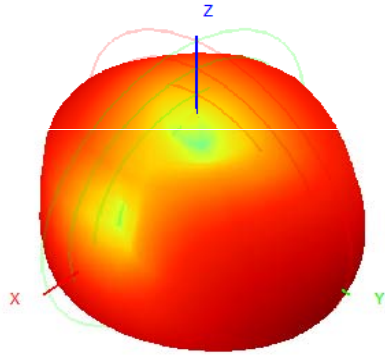
917.0MHz Total(E2-YZ), Max= -2.89dBi



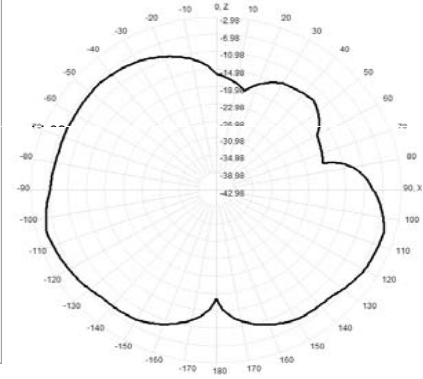
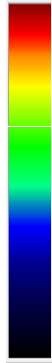
Total(H-XY), Max= -3.51dBi, CirD=6.02



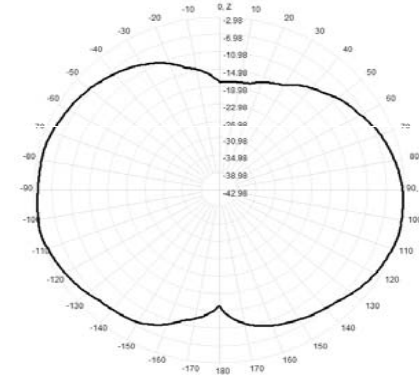
918.0MHz H+V, Eff: 20.6%



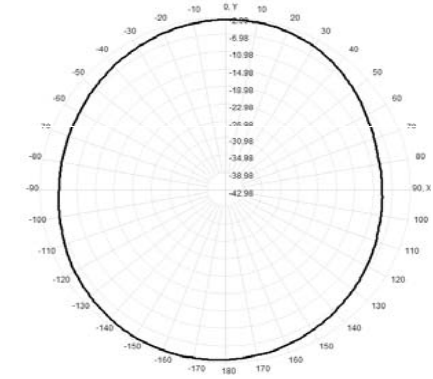
918.0MHz Total(E1-XZ), Max= -5.14dBi



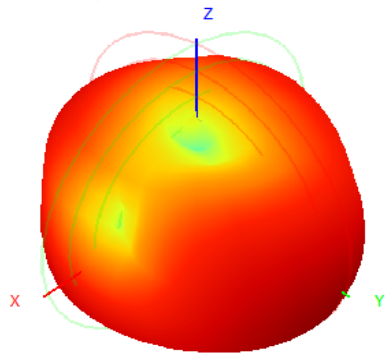
918.0MHz Total(E2-YZ), Max= -2.98dBi



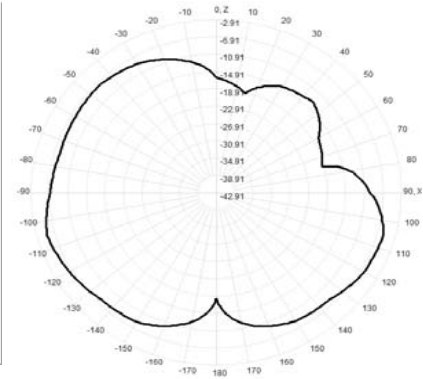
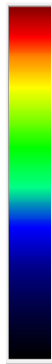
Total(H-XY), Max= -3.56dBi, CirD=5.74



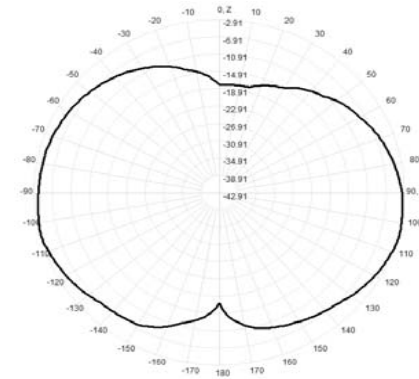
919.0MHz H+V, Eff: 20.3%



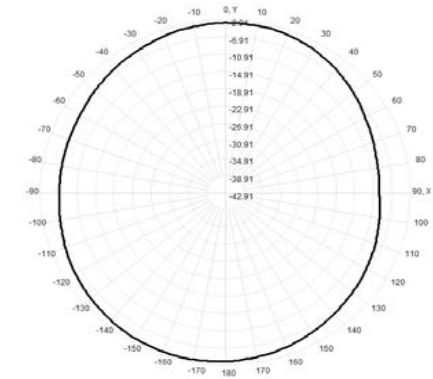
919.0MHz Total(E1-XZ), Max= -5.16dBi



919.0MHz Total(E2-YZ), Max= -2.91dBi

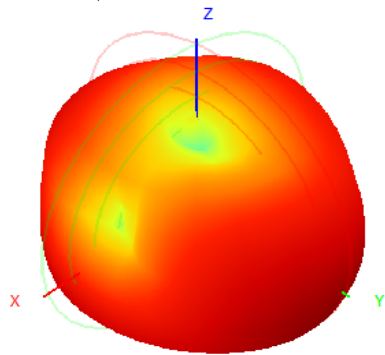


Total(H-XY), Max= -3.63dBi, CirD=6.22

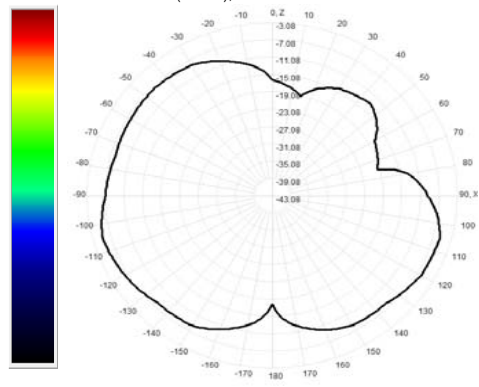




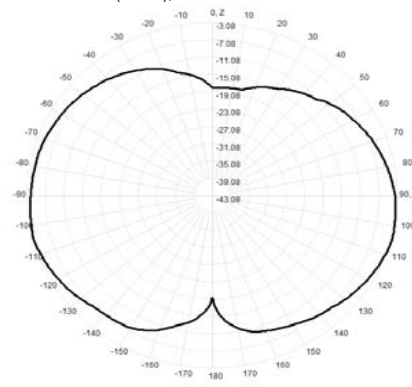
920.0MHz H+V, Eff: 20.1%



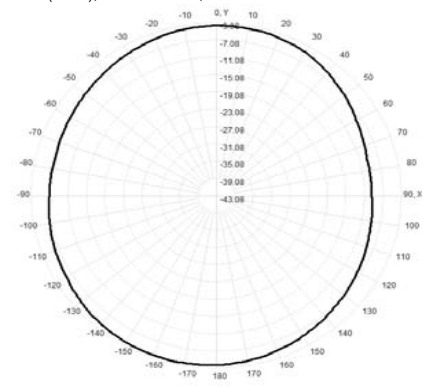
920.0MHz Total(E1-XZ), Max= -5.23dBi



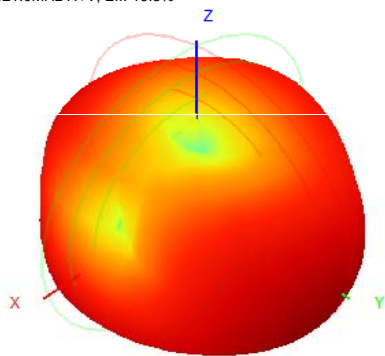
920.0MHz Total(E2-YZ), Max= -3.08dBi



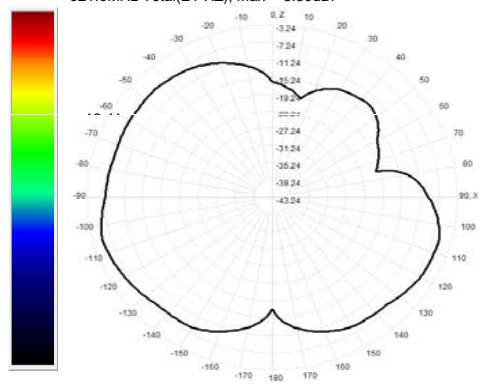
Total(H-XY), Max= -3.74dBi, CirD=5.91



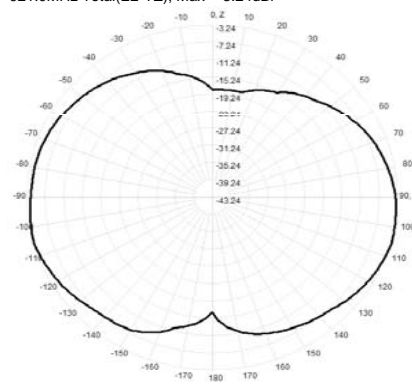
921.0MHz H+V, Eff: 19.8%



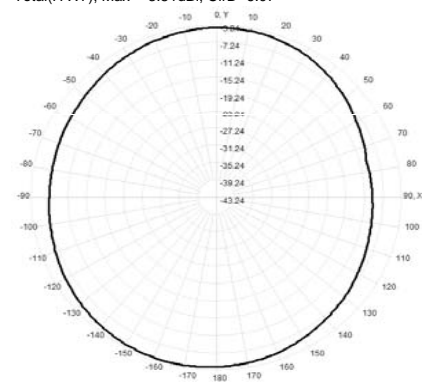
921.0MHz Total(E1-XZ), Max= -5.30dBi



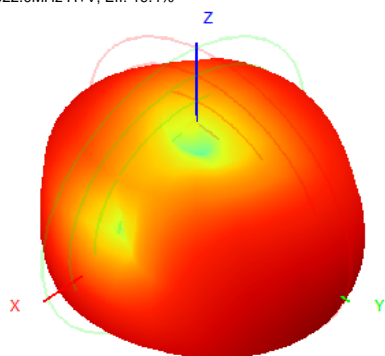
921.0MHz Total(E2-YZ), Max= -3.24dBi



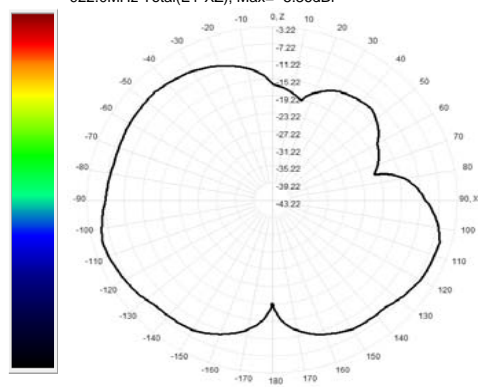
Total(H-XY), Max= -3.81dBi, CirD=6.07



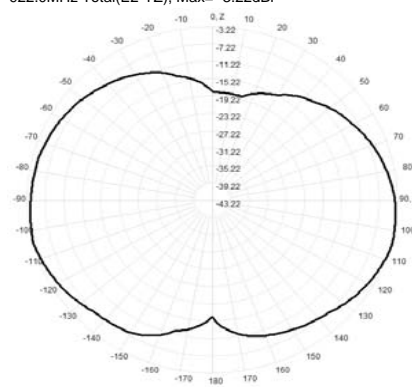
922.0MHz H+V, Eff: 19.4%



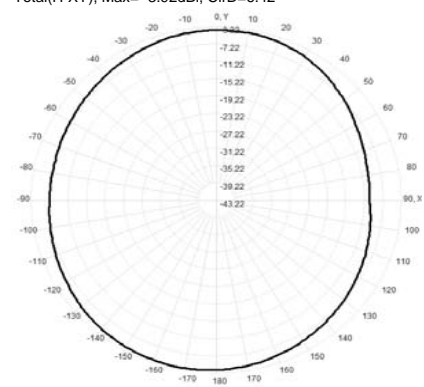
922.0MHz Total(E1-XZ), Max= -5.36dBi



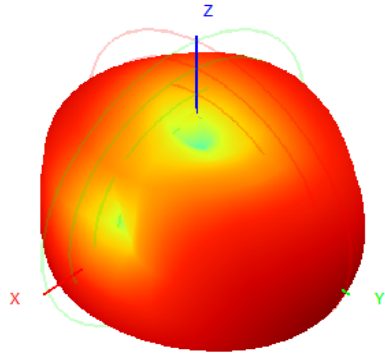
922.0MHz Total(E2-YZ), Max= -3.22dBi



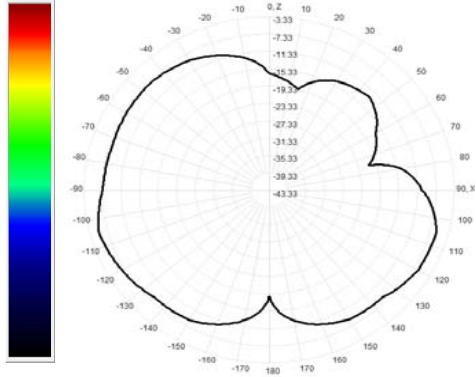
Total(H-XY), Max= -3.92dBi, CirD=6.42



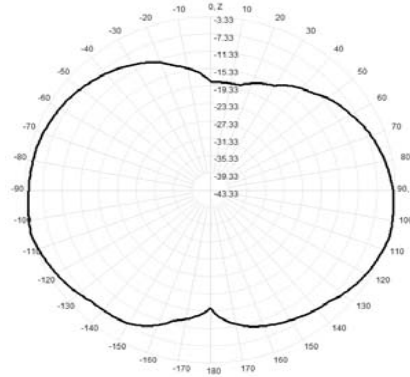
923.0MHz H+V, Eff: 19.1%



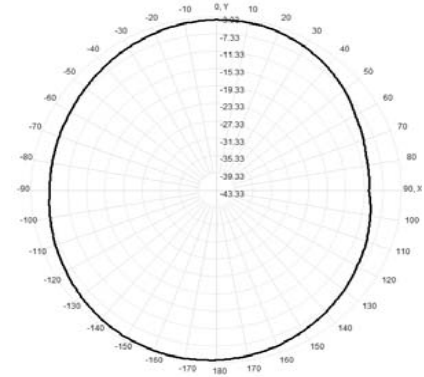
923.0MHz Total(E1-XZ), Max= -5.34dBi



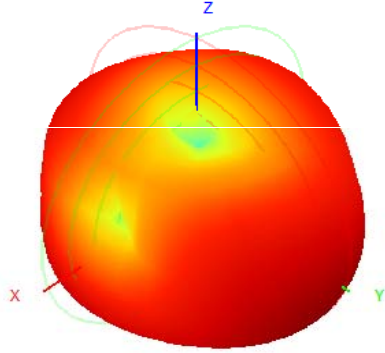
923.0MHz Total(E2-YZ), Max= -3.33dBi



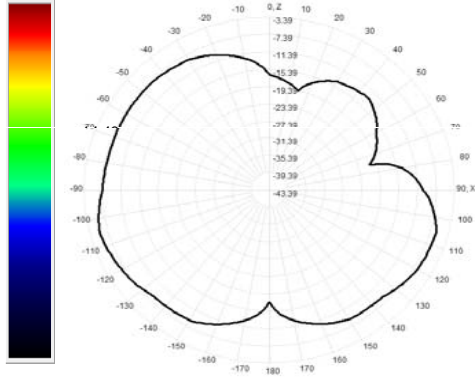
Total(H-XY), Max= -3.94dBi, CirD=6.57



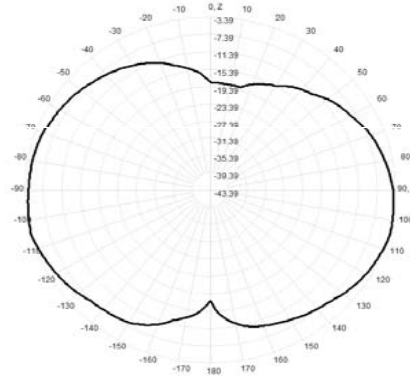
924.0MHz H+V, Eff: 18.7%



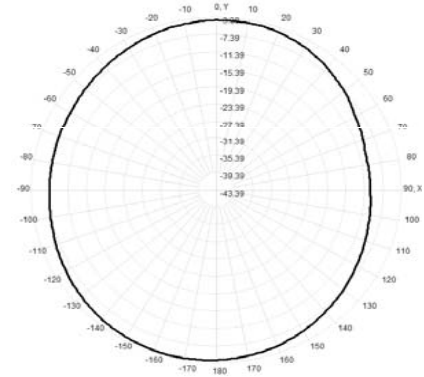
924.0MHz Total(E1-XZ), Max= -5.52dBi



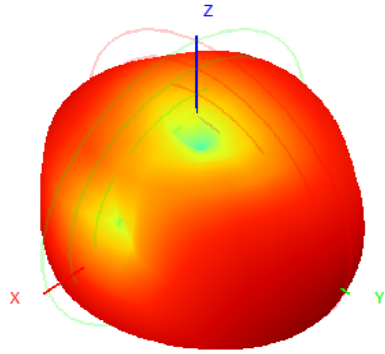
924.0MHz Total(E2-YZ), Max= -3.39dBi



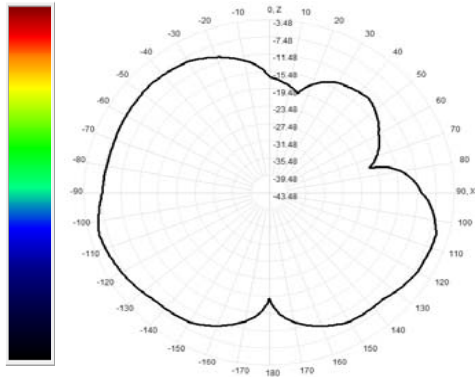
Total(H-XY), Max= -4.00dBi, CirD=6.33



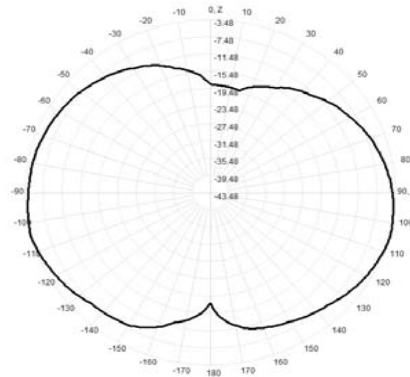
925.0MHz H+V, Eff: 18.4%



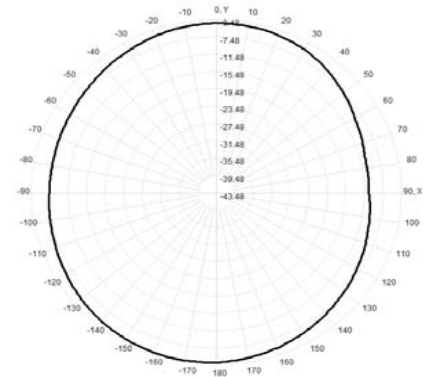
925.0MHz Total(E1-XZ), Max= -5.57dBi



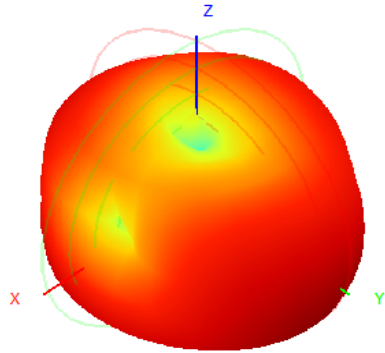
925.0MHz Total(E2-YZ), Max= -3.48dBi



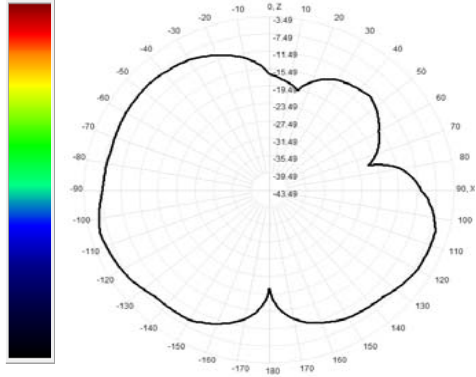
Total(H-XY), Max= -4.12dBi, CirD=6.55



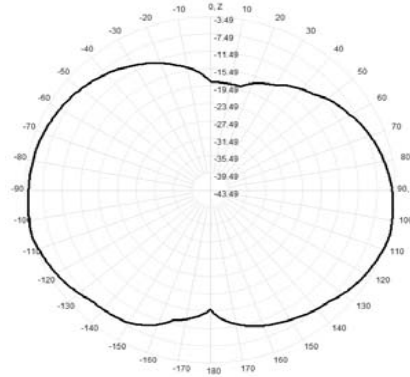
926.0MHz H+V, Eff: 18.0%



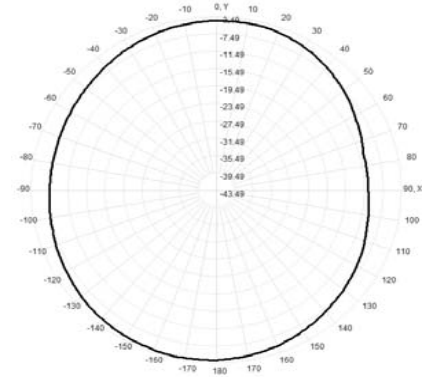
926.0MHz Total(E1-XZ), Max= -5.72dBi



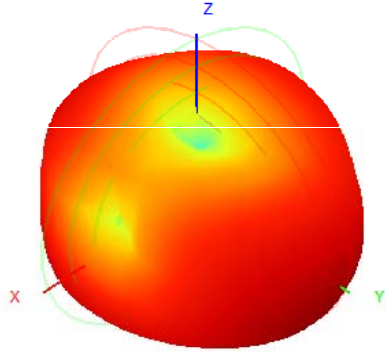
926.0MHz Total(E2-YZ), Max= -3.49dBi



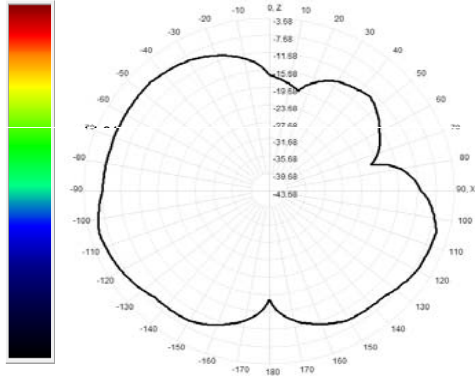
Total(H-XY), Max= -4.23dBi, CirD=6.60



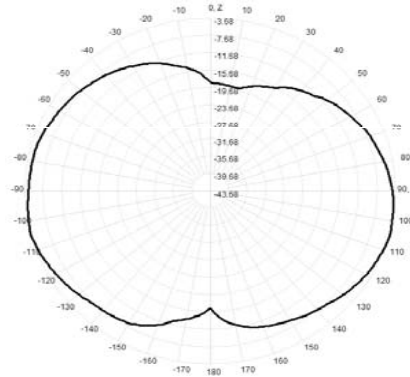
927.0MHz H+V, Eff: 17.7%



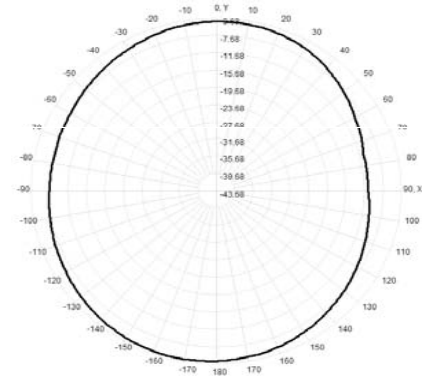
927.0MHz Total(E1-XZ), Max= -5.72dBi



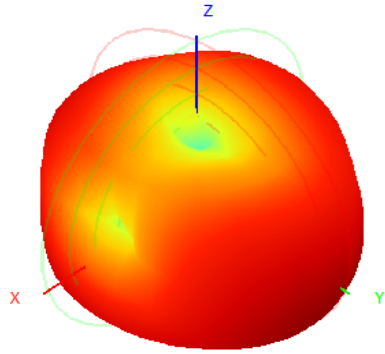
927.0MHz Total(E2-YZ), Max= -3.68dBi



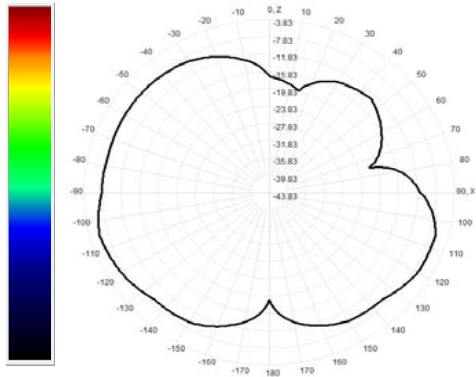
Total(H-XY), Max= -4.31dBi, CirD=6.75



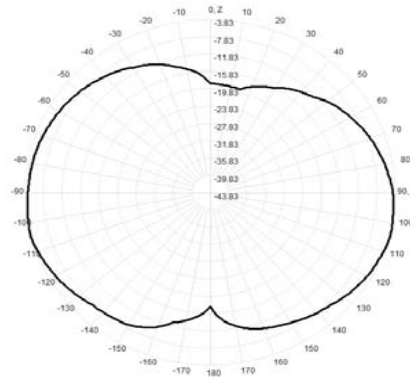
928.0MHz H+V, Eff: 17.3%



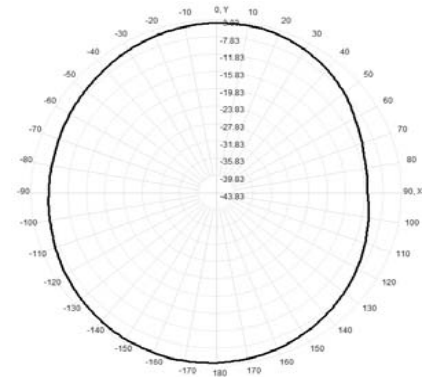
928.0MHz Total(E1-XZ), Max= -5.95dBi

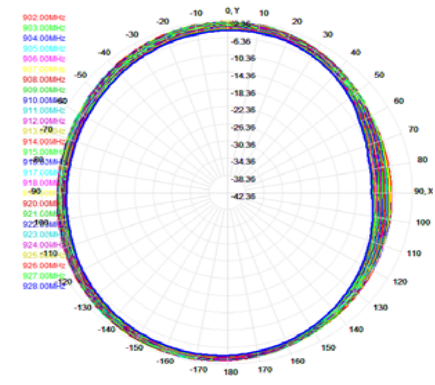
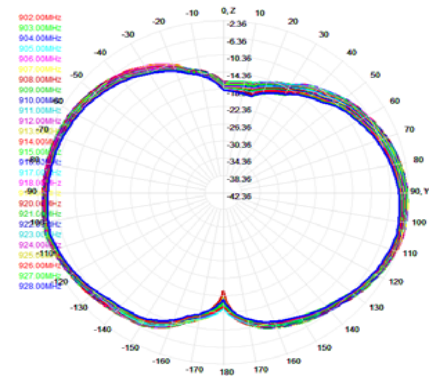
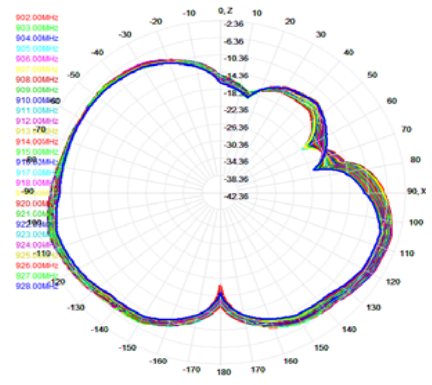


928.0MHz Total(E2-YZ), Max= -3.83dBi



Total(H-XY), Max= -4.40dBi, CirD=6.95





# Antenna



CB-B  
E308301  
94V-0



1722.

41.001.000065  
UN01-ANT0-V1.0