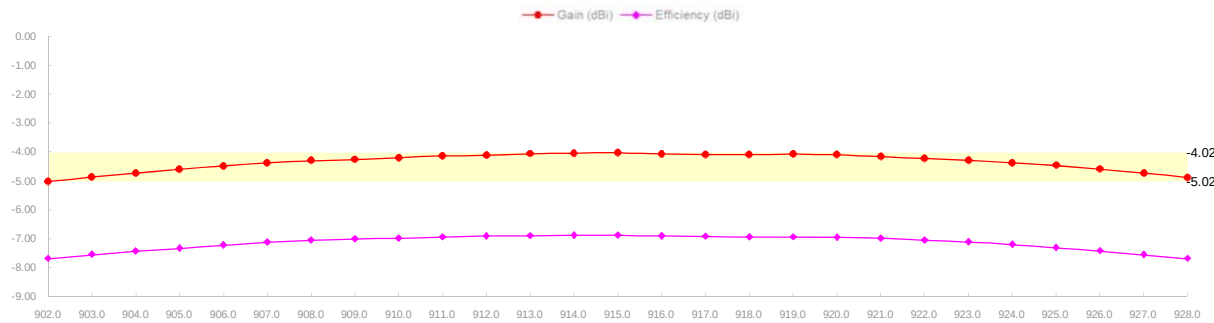
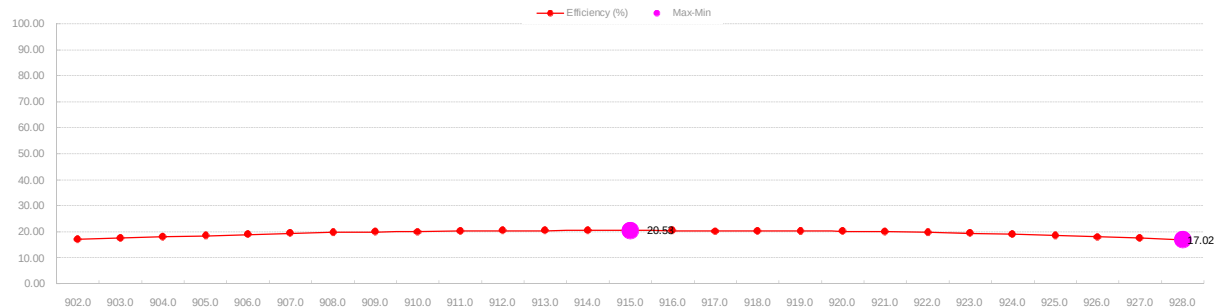




M.gear

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 (dBi)	-7.69	-7.55	-7.43	-7.33	-7.22	-7.12	-7.05	-7.00	-6.97	-6.93	-6.90	-6.89	-6.88	-6.88	-6.90	-6.92	-6.93	-6.94	-6.95	-6.99	-7.05	-7.11	-7.20	-7.31	-7.42	-7.55	-7.69
Gain (dBi)	-5.02	-4.87	-4.73	-4.59	-4.48	-4.38	-4.30	-4.26	-4.19	-4.13	-4.11	-4.06	-4.04	-4.02	-4.06	-4.08	-4.09	-4.07	-4.09	-4.16	-4.22	-4.29	-4.37	-4.46	-4.59	-4.73	-4.89
Efficiency (%)	17.03	17.59	18.06	18.49	18.98	19.40	19.73	19.96	20.07	20.27	20.39	20.46	20.52	20.53	20.42	20.34	20.27	20.23	20.20	20.02	19.74	19.47	19.07	18.58	18.13	17.58	17.02
Directivity (dB)	2.67	2.68	2.70	2.74	2.73	2.75	2.75	2.74	2.78	2.80	2.79	2.83	2.84	2.86	2.83	2.83	2.84	2.87	2.85	2.83	2.83	2.82	2.83	2.85	2.83	2.82	2.80
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)	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	285.00	300.00	300.00	285.00	285.00	285.00	300.00	285.00	
Efficiency ThetaPol (%)	16.08	16.62	17.06	17.48	17.93	18.32	18.62	18.80	18.89	19.05	19.15	19.20	19.25	19.24	19.17	19.10	19.05	19.03	19.02	18.87	18.62	18.38	18.01	17.55	17.12	16.58	16.04
Efficiency PhiPol (%)	0.95	0.97	0.99	1.01	1.05	1.08	1.12	1.15	1.18	1.22	1.25	1.27	1.28	1.28	1.26	1.24	1.22	1.20	1.18	1.15	1.12	1.09	1.07	1.04	1.01	1.00	0.98
Upper Hem. Efficiency (%)	8.04	8.31	8.53	8.74	8.98	9.19	9.35	9.46	9.53	9.63	9.69	9.74	9.78	9.78	9.74	9.72	9.69	9.69	9.70	9.63	9.51	9.39	9.23	9.00	8.82	8.56	8.31
Lower Hem. Efficiency (%)	8.99	9.28	9.52	9.75	9.99	10.21	10.38	10.50	10.54	10.64	10.70	10.72	10.74	10.75	10.68	10.62	10.58	10.54	10.50	10.39	10.22	10.08	9.85	9.58	9.31	9.02	8.71
T90(H)圆度	1.45	1.49	1.54	1.62	1.38	1.44	1.44	1.55	1.59	1.62	1.55	1.65	1.64	1.70	1.71	1.63	1.68	1.65	1.64	1.59	1.66	1.73	1.65	1.63	1.62	1.66	1.77
Gain 15deg (dBi)																											
E1(XZ)波瓣宽度	103.00	101.00	101.00	101.00	104.00	100.00	102.00	103.00	105.00	104.00	100.00	100.00	101.00	103.00	100.00	100.00	101.00	101.00	100.00	98.00	97.00	98.00	98.00	97.00	96.00	100.00	97.00
E1(XZ)前后比	3.00	3.09	3.06	3.18	2.88	3.20	3.09	3.09	3.02	3.04	3.34	3.25	3.23	3.13	3.26	3.31	3.24	3.22	3.26	3.40	3.42	3.40	3.48	3.47	3.46	3.35	3.63
E2(YZ)波瓣宽度	63.00	65.00	64.00	63.00	63.00	62.00	61.00	62.00	62.00	61.00	60.00	62.00	61.00	60.00	62.00	59.00	61.00	60.00	59.00	61.00	62.00	64.00	62.00	64.00	63.00	63.00	65.00
E2(YZ)前后比	4.30	4.31	4.33	4.36	4.40	4.51	4.45	4.49	4.56	4.61	4.60	4.67	4.61	4.68	4.71	4.75	4.66	4.74	4.81	4.81	4.75	4.74	4.86	4.80	4.83	4.86	4.86
最大增益处轴比(P)	41.36	45.74	43.83	52.45	50.35	46.21	41.97	39.29	45.95	49.31	55.10	52.37	83.72	42.98	41.19	40.29	39.11	40.97	38.94	52.21	46.20	42.96	46.41	49.19	56.74	35.84	52.28
顶点(Theta=0)处轴比(P)	9.98	10.07	10.09	10.19	10.29	10.18	10.08	10.25	10.31	10.38	10.50	10.75	10.72	10.97	10.84	11.58	11.60	11.63	12.47	12.61	13.10	13.22	13.15	13.47	13.44	13.77	14.14
仰角10度最差(大)轴比(P)	67.22	70.42	57.65	62.93	70.98	68.96	60.25	69.11	57.23	75.84	70.62	67.66	62.89	56.09	57.72	76.33	82.57	65.90	60.22	61.04	66.27	101.30	65.54	63.01	76.64	61.83	55.93
Hc(XY)波瓣宽度	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
Hc(XY)前后比	0.35	0.25	0.25	0.30	0.26	0.31	0.27	0.25	0.24	0.18	0.32	0.46	0.35	0.29	0.29	0.20	0.38	0.33	0.39	0.22	0.33	0.42	0.37	0.19	0.29	0.25	0.54
左旋圆极化效率(%)	8.44	8.72	8.96	9.18	9.41	9.63	9.79	9.90	9.97	10.06	10.13	10.14	10.17	10.15	10.10	10.06	10.01	9.96	9.94	9.84	9.67	9.54	9.34	9.08	8.83	8.55	8.26
右旋圆极化效率(%)	8.59	8.87	9.10	9.31	9.57	9.77	9.94	10.06	10.10	10.21	10.27	10.32	10.35	10.38	10.32	10.28	10.26	10.27	10.26	10.18	10.06	9.93	9.73	9.50	9.30	9.03	8.76
Empty																											

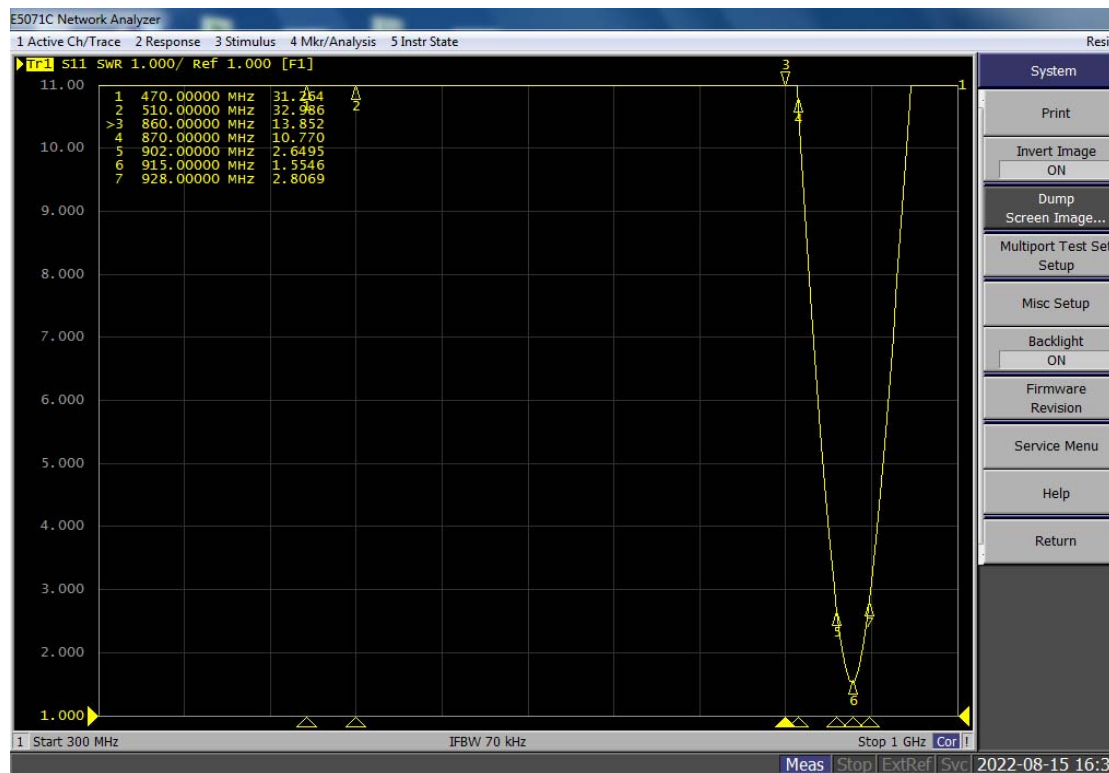
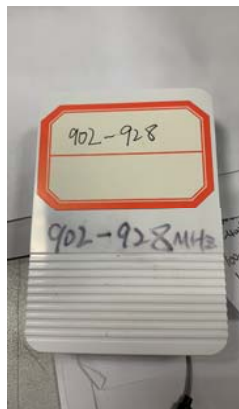
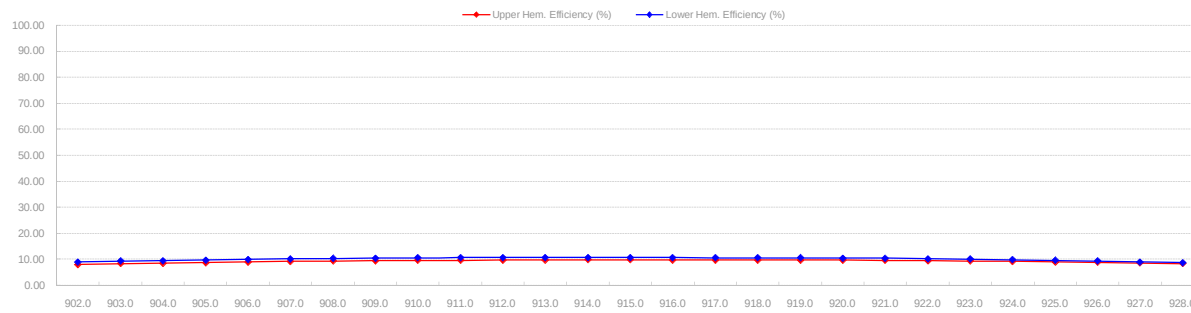
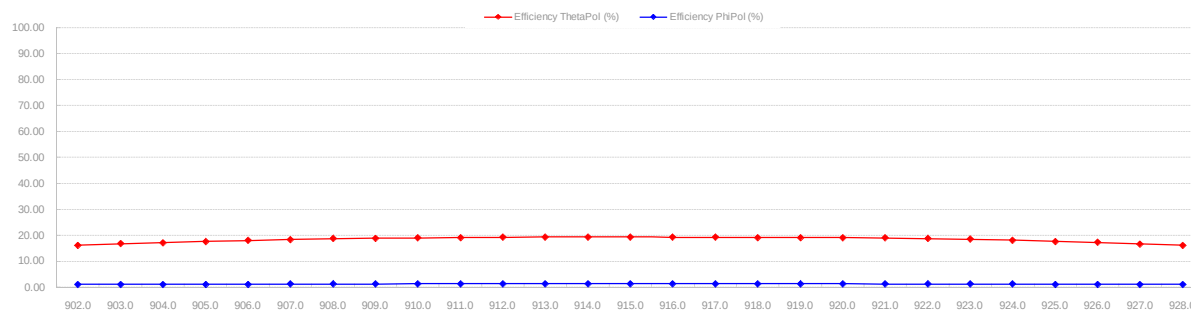


Xiamen Milesight IoT Co., Ltd.

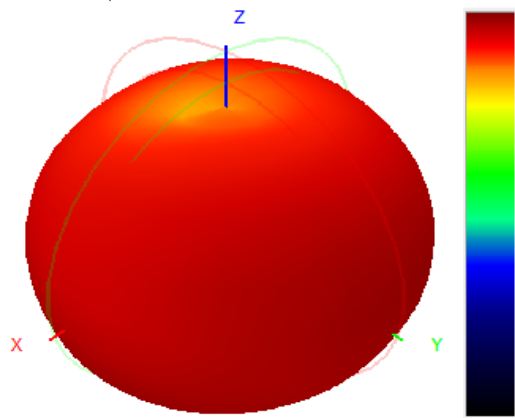
Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China

Name : EM320-Antenna

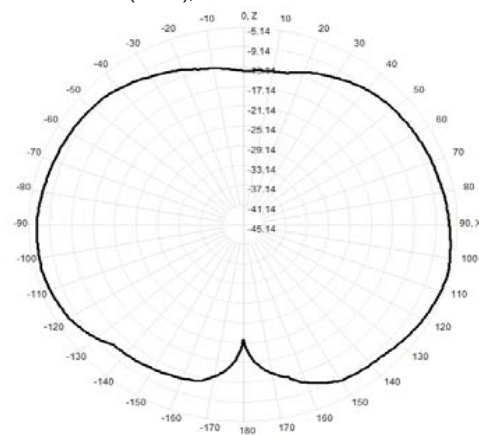
model : 902-928



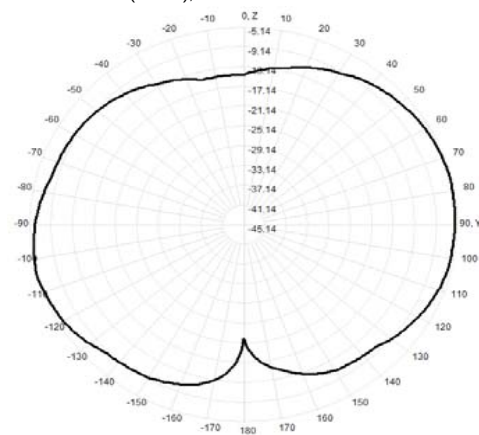
902.0MHz H+V, Eff: 17.0%



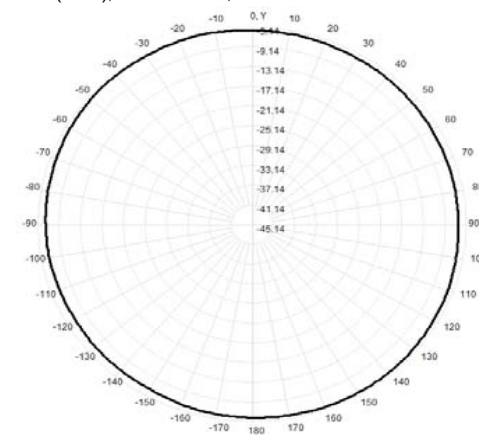
902.0MHz Total(E1-XZ), Max= -5.77dBi



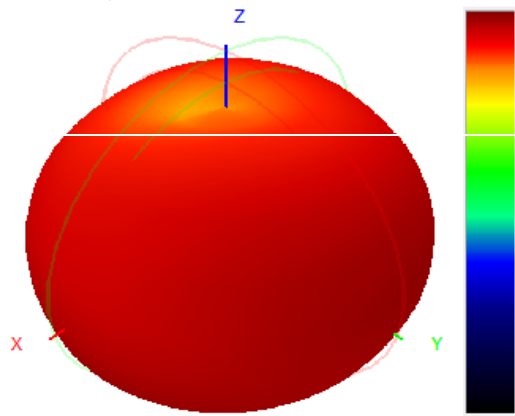
902.0MHz Total(E2-YZ), Max= -5.14dBi



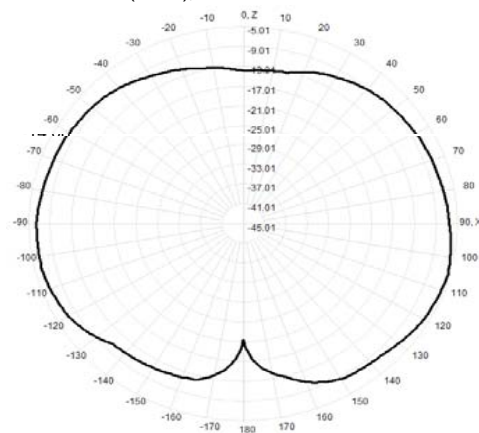
Total(H-XY), Max= -5.51dBi, CirD=1.45



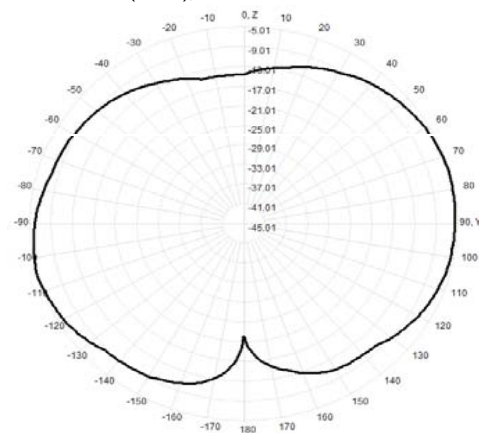
903.0MHz H+V, Eff: 17.6%



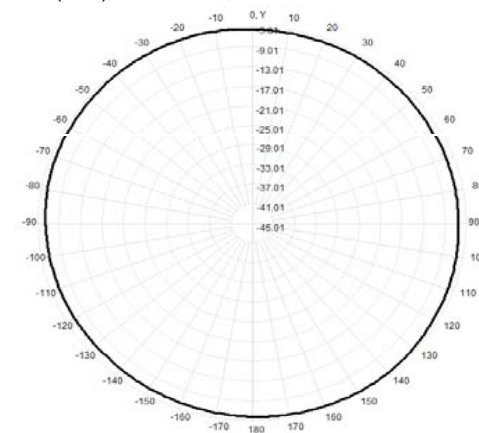
903.0MHz Total(E1-XZ), Max= -5.58dBi



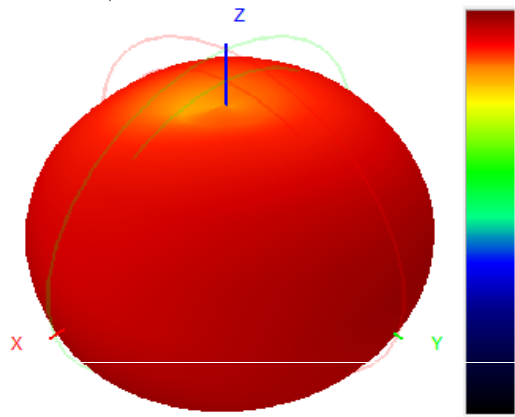
903.0MHz Total(E2-YZ), Max= -5.01dBi



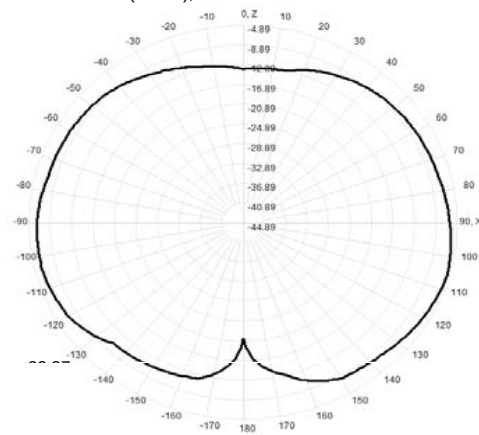
Total(H-XY), Max= -5.36dBi, CirD=1.49



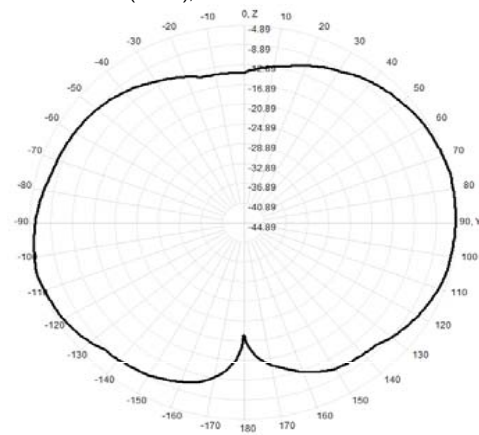
904.0MHz H+V, Eff: 18.1%



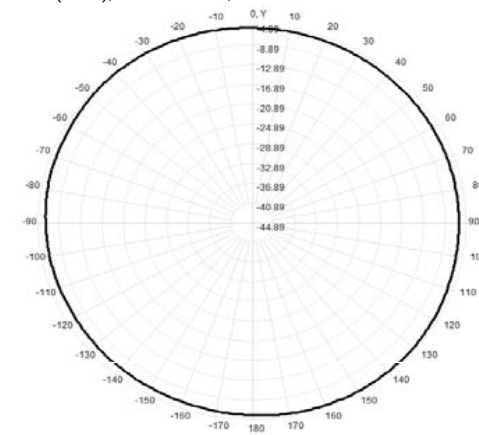
904.0MHz Total(E1-XZ), Max= -5.48dBi



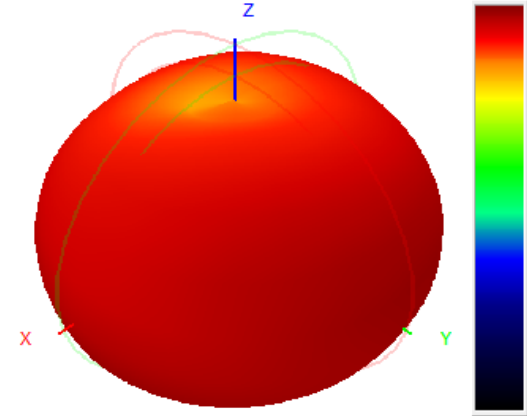
904.0MHz Total(E2-YZ), Max= -4.89dBi



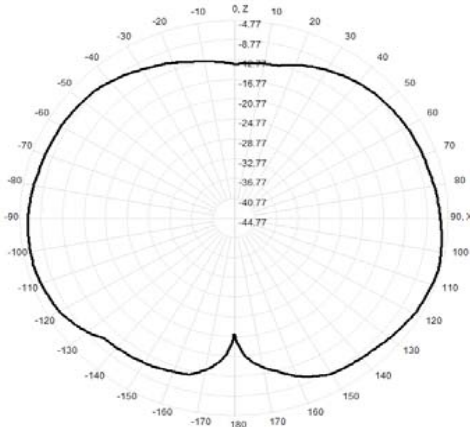
Total(H-XY), Max= -5.23dBi, CirD=1.54



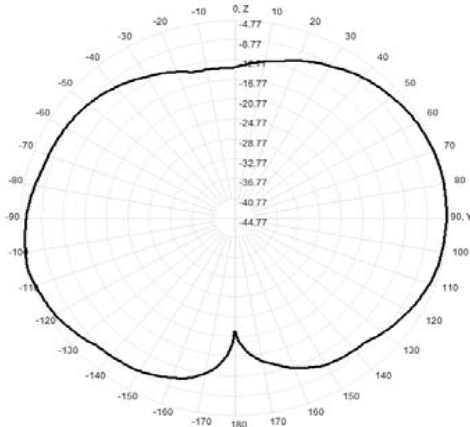
905.0MHz H+V, Eff: 18.5%



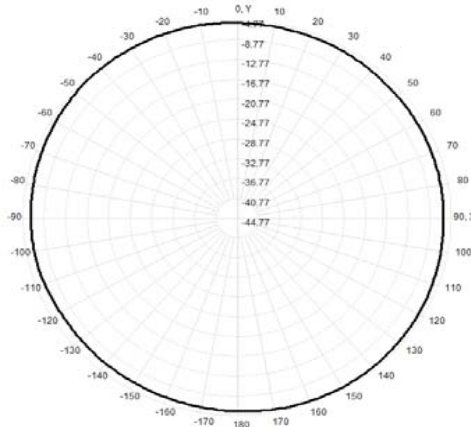
905.0MHz Total(E1-XZ), Max= -5.38dBi



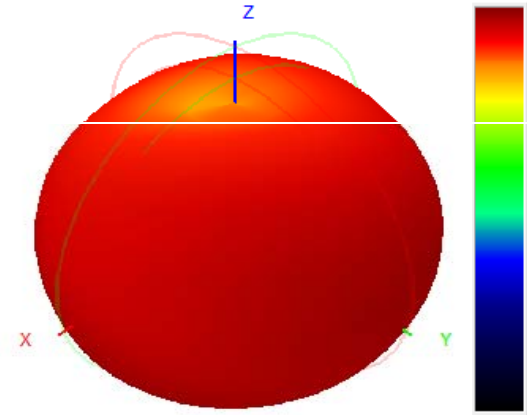
905.0MHz Total(E2-YZ), Max= -4.77dBi



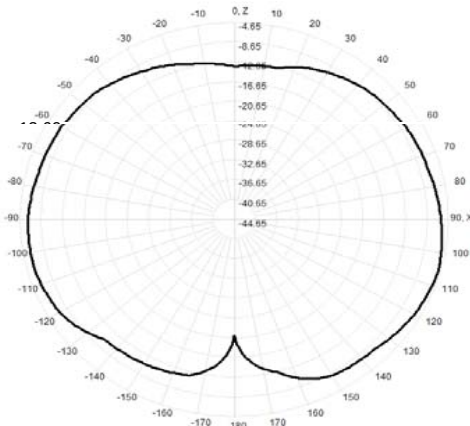
Total(H-XY), Max= -5.12dBi, CirD=1.62



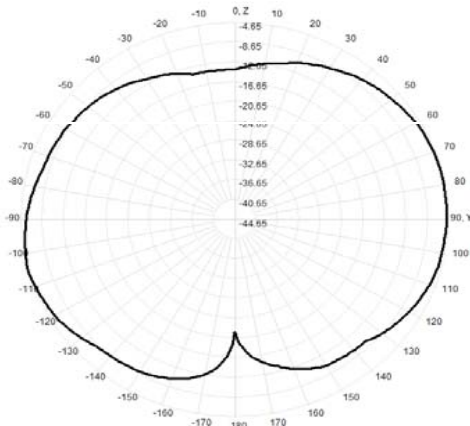
906.0MHz H+V, Eff: 19.0%



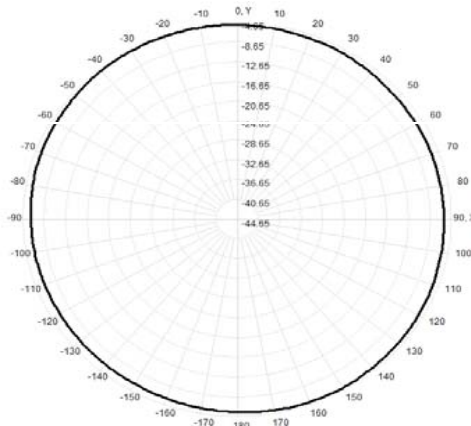
906.0MHz Total(E1-XZ), Max= -5.25dBi



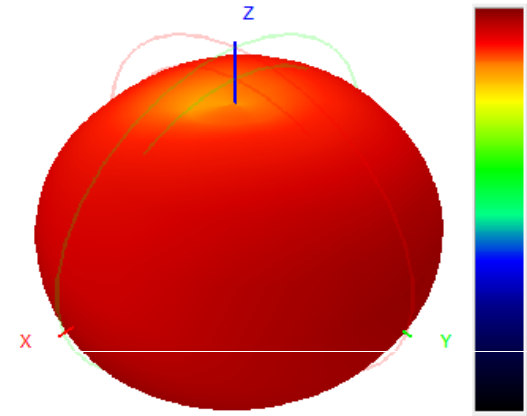
906.0MHz Total(E2-YZ), Max= -4.65dBi



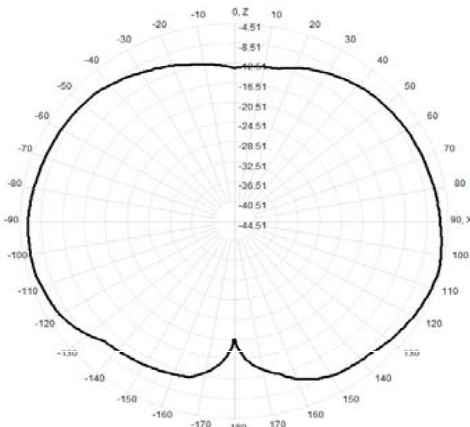
Total(H-XY), Max= -5.09dBi, CirD=1.38



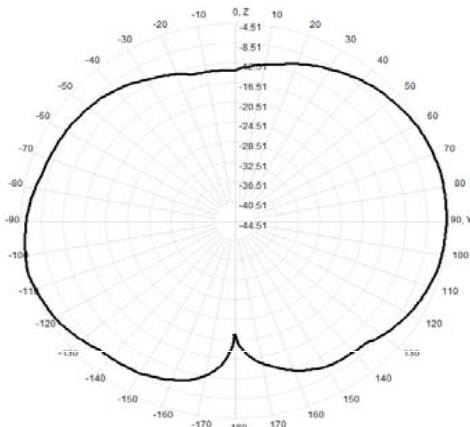
907.0MHz H+V, Eff: 19.4%



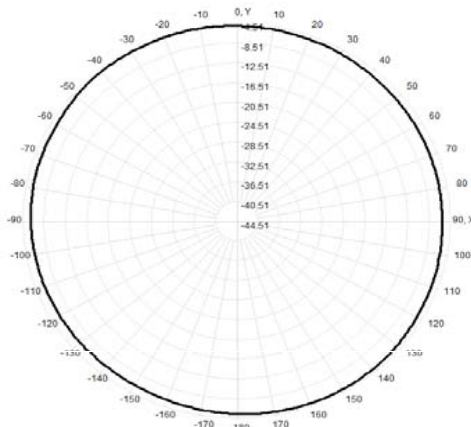
907.0MHz Total(E1-XZ), Max= -5.14dBi



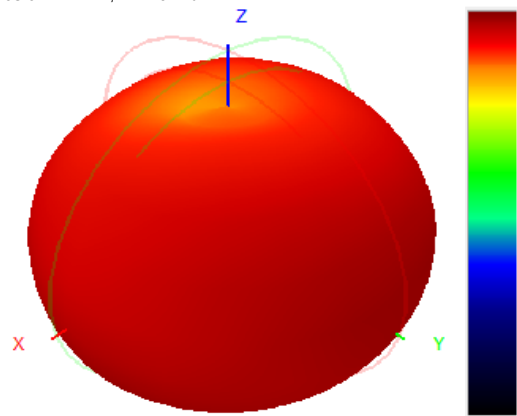
907.0MHz Total(E2-YZ), Max= -4.51dBi



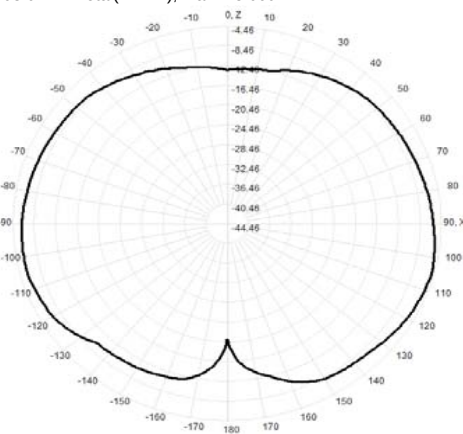
Total(H-XY), Max= -4.94dBi, CirD=1.44



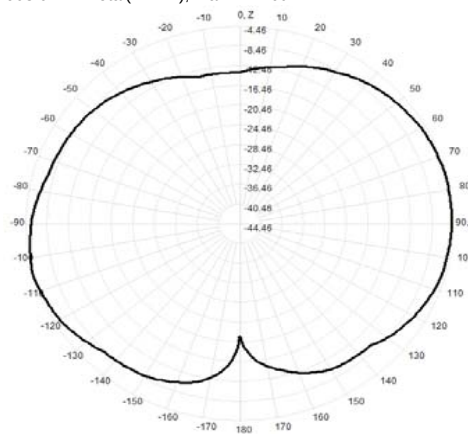
908.0MHz H+V, Eff: 19.7%



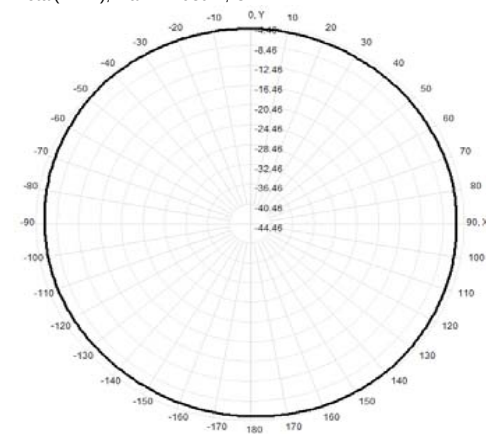
908.0MHz Total(E1-XZ), Max= -4.09dBi



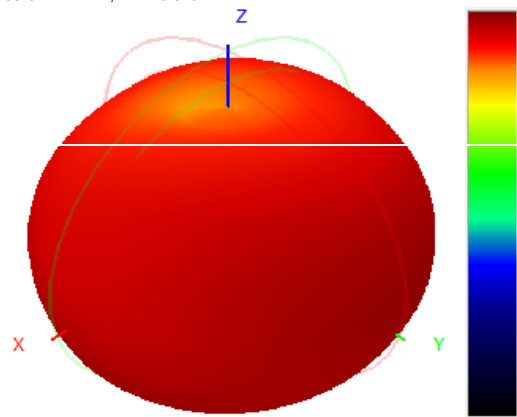
908.0MHz Total(E2-YZ), Max= -4.46dBi



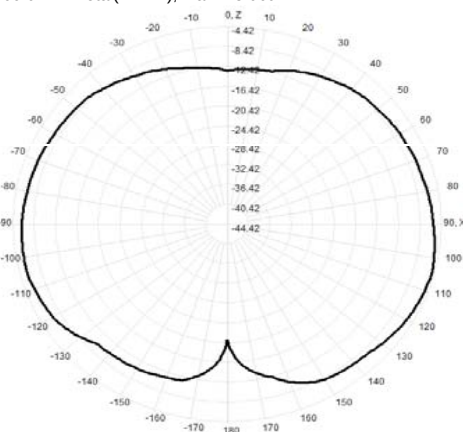
Total(H-XY), Max= -4.93dBi, CirD=1.44



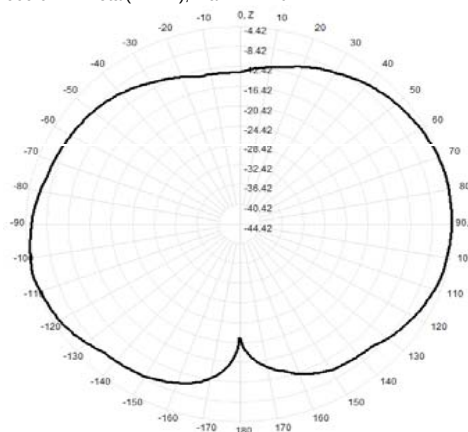
909.0MHz H+V, Eff: 20.0%



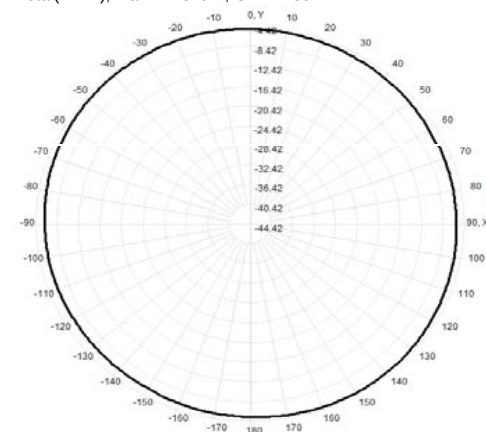
909.0MHz Total(E1-XZ), Max= -5.06dBi



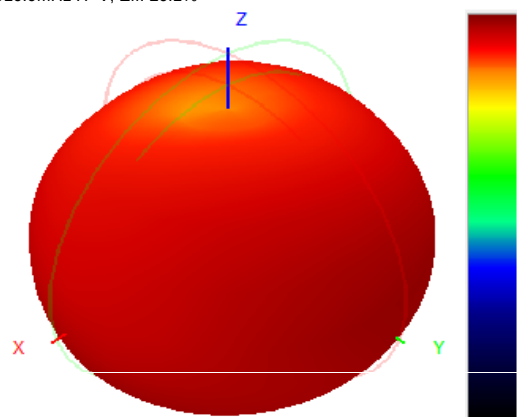
909.0MHz Total(E2-YZ), Max= -4.42dBi



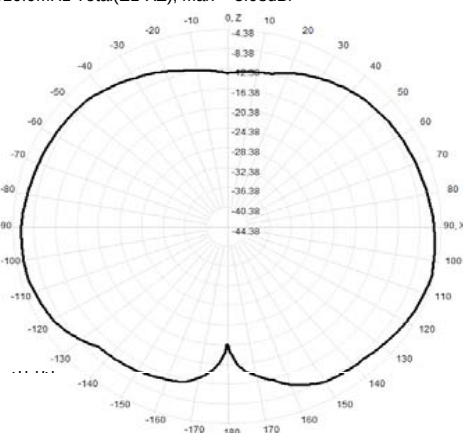
Total(H-XY), Max= -4.81dBi, CirD=1.55



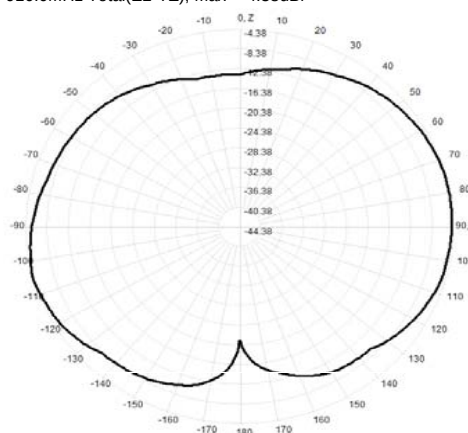
910.0MHz H+V, Eff: 20.1%



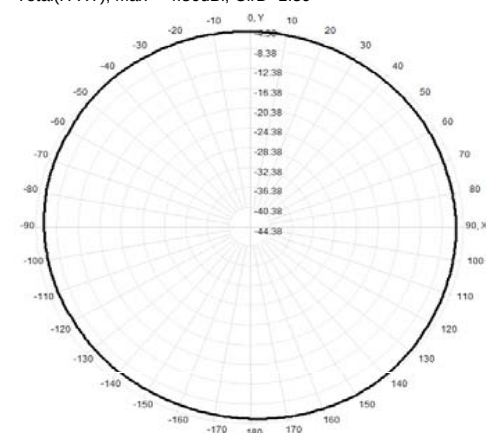
910.0MHz Total(E1-XZ), Max= -5.08dBi



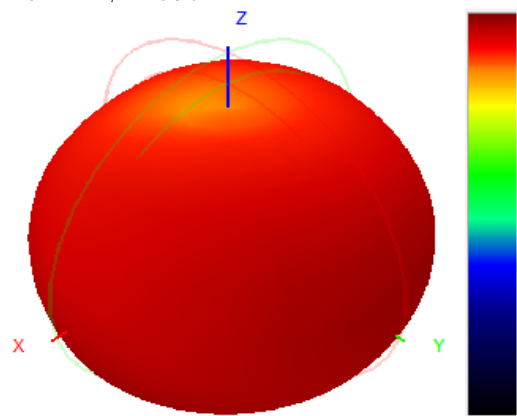
910.0MHz Total(E2-YZ), Max= -4.38dBi



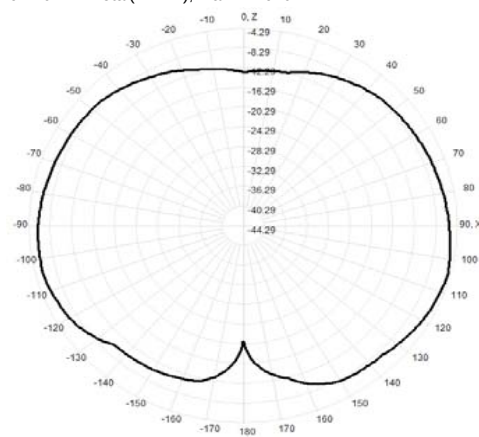
Total(H-XY), Max= -4.80dBi, CirD=1.59



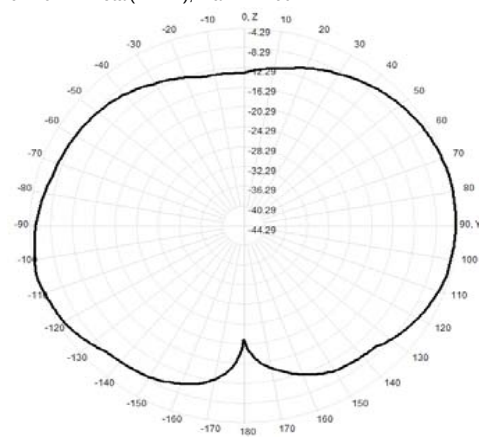
911.0MHz H+V, Eff: 20.3%



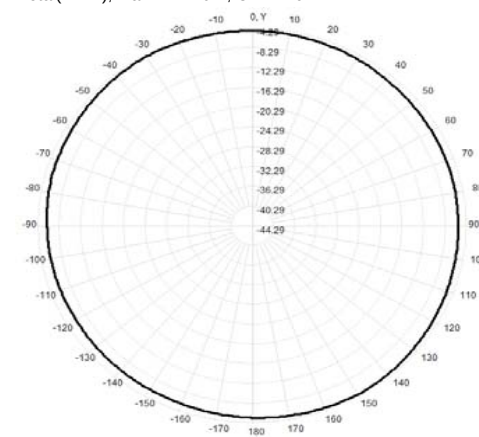
911.0MHz Total(E1-XZ), Max= -4.97dBi



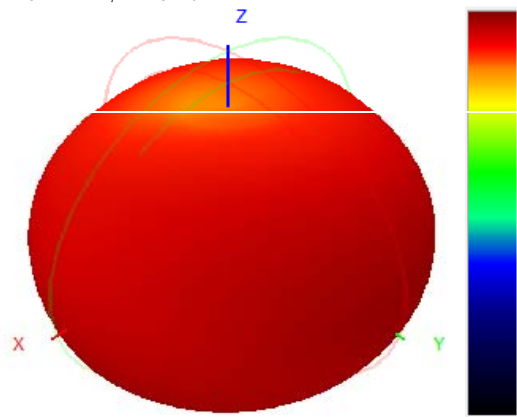
911.0MHz Total(E2-YZ), Max= -4.29dBi



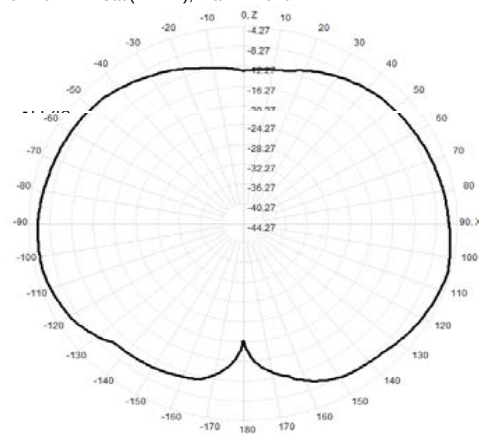
Total(H-XY), Max= -4.71dBi, CirD=1.62



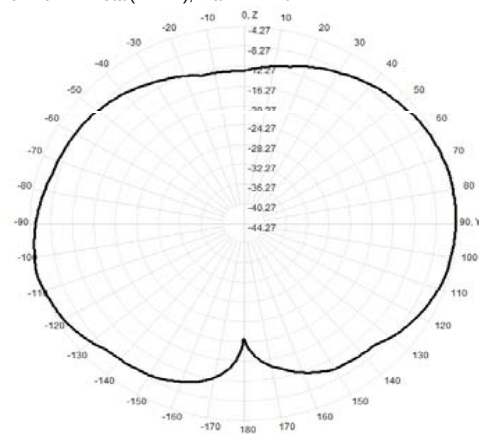
912.0MHz H+V, Eff: 20.4%



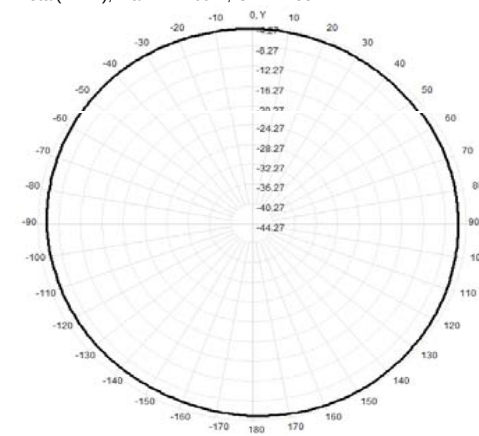
912.0MHz Total(E1-XZ), Max= -4.94dBi



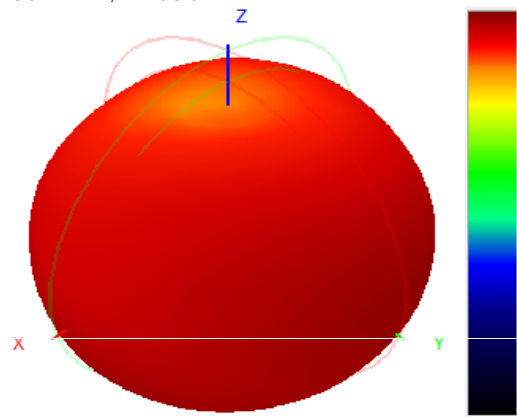
912.0MHz Total(E2-YZ), Max= -4.27dBi



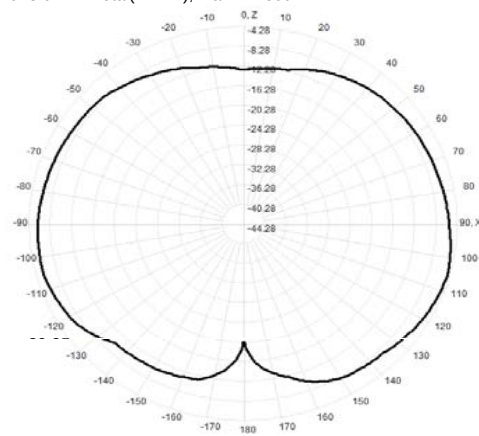
Total(H-XY), Max= -4.70dBi, CirD=1.55



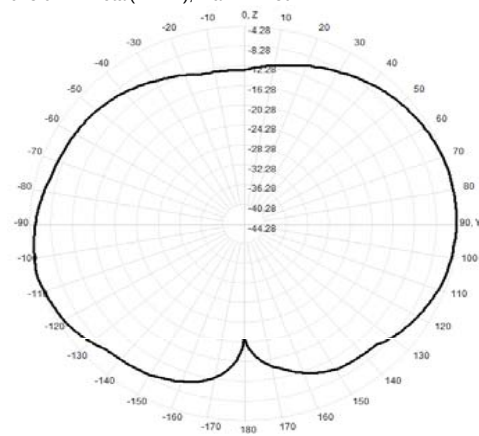
913.0MHz H+V, Eff: 20.5%



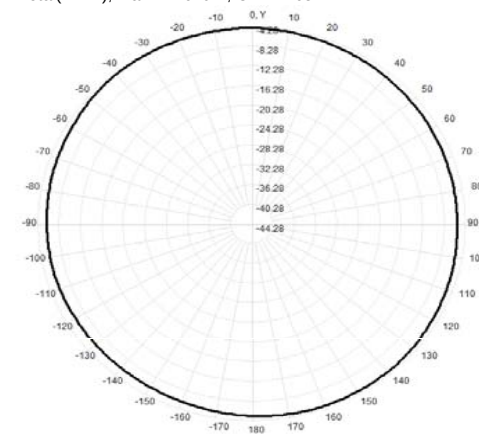
913.0MHz Total(E1-XZ), Max= -4.89dBi



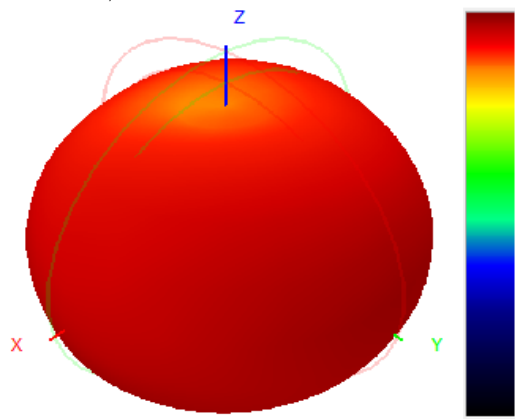
913.0MHz Total(E2-YZ), Max= -4.28dBi



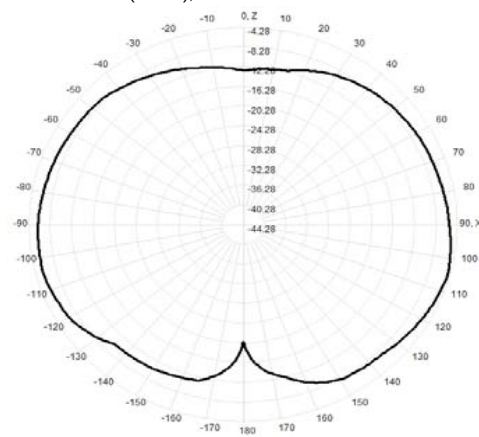
Total(H-XY), Max= -4.61dBi, CirD=1.65



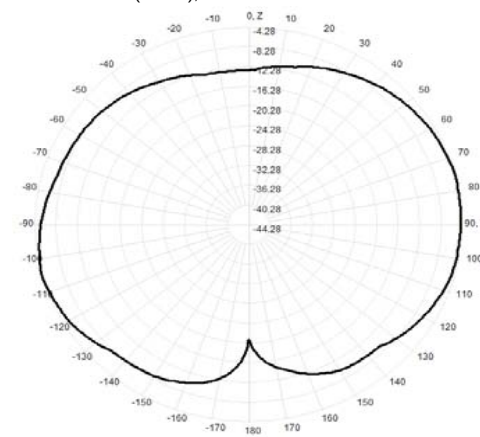
914.0MHz H+V, Eff: 20.5%



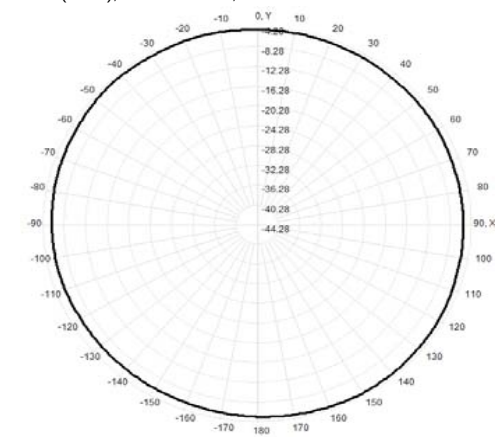
914.0MHz Total(E1-XZ), Max= -4.90dBi



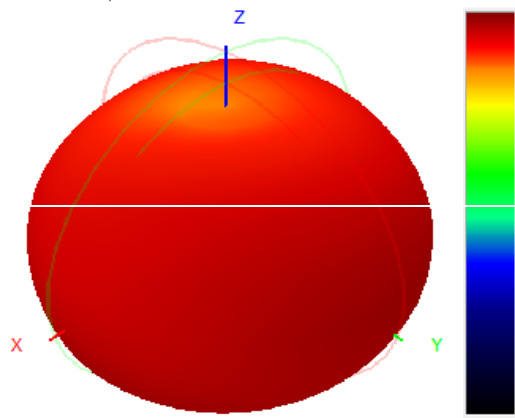
914.0MHz Total(E2-YZ), Max= -4.28dBi



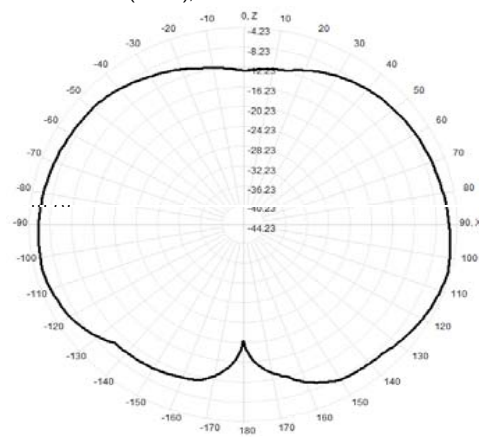
Total(H-XY), Max= -4.63dBi, CirD=1.64



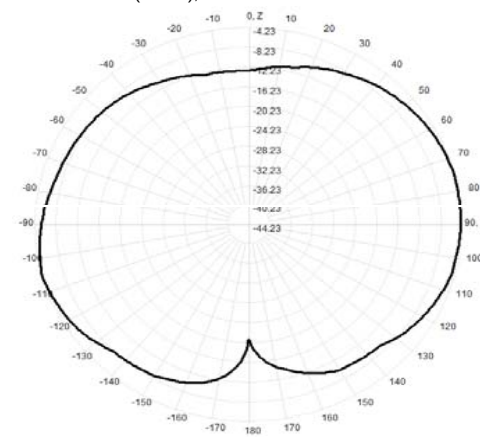
915.0MHz H+V, Eff: 20.5%



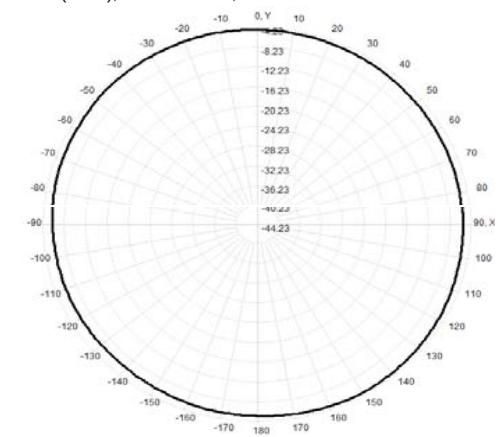
915.0MHz Total(E1-XZ), Max= -4.89dBi



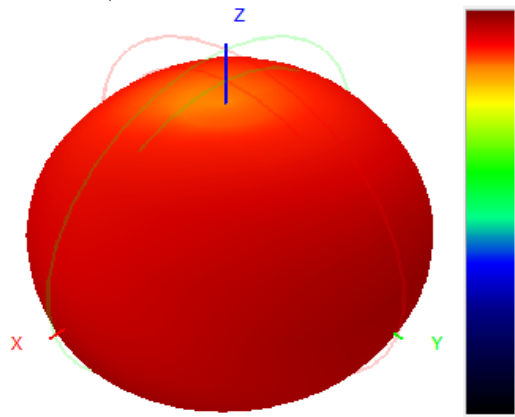
915.0MHz Total(E2-YZ), Max= -4.23dBi



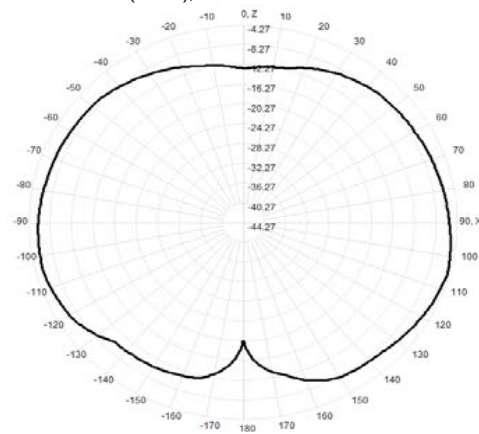
Total(H-XY), Max= -4.66dBi, CirD=1.70



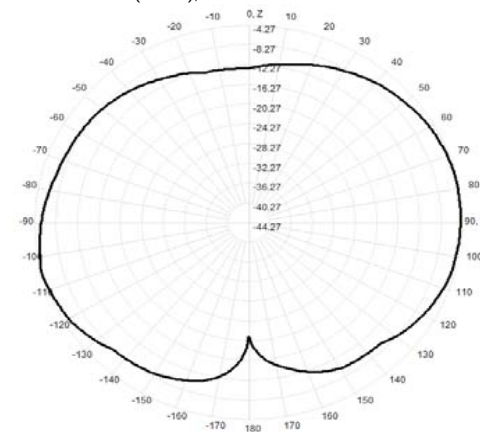
916.0MHz H+V, Eff: 20.4%



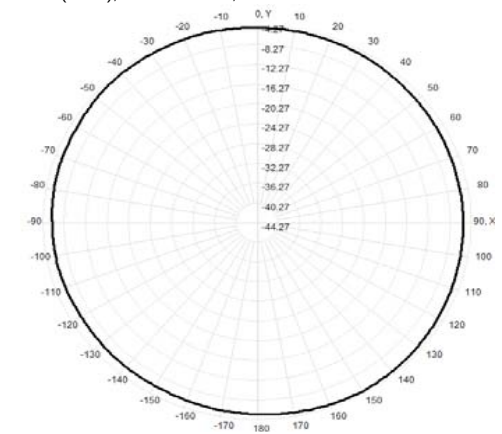
916.0MHz Total(E1-XZ), Max= -4.88dBi



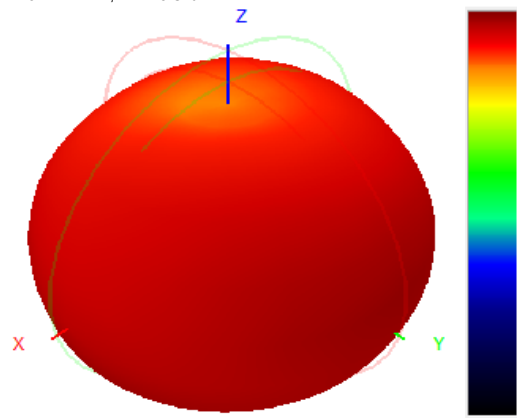
916.0MHz Total(E2-YZ), Max= -4.27dBi



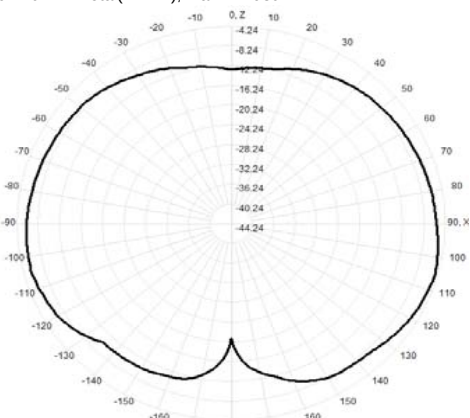
Total(H-XY), Max= -4.65dBi, CirD=1.71



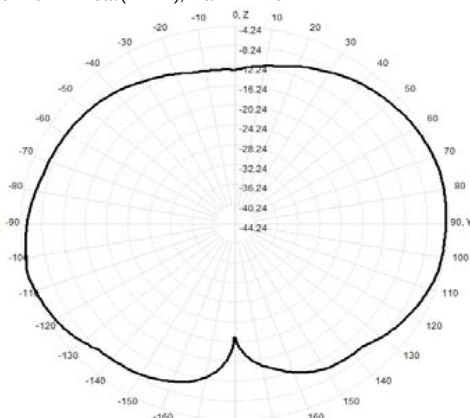
917.0MHz H+V, Eff: 20.3%



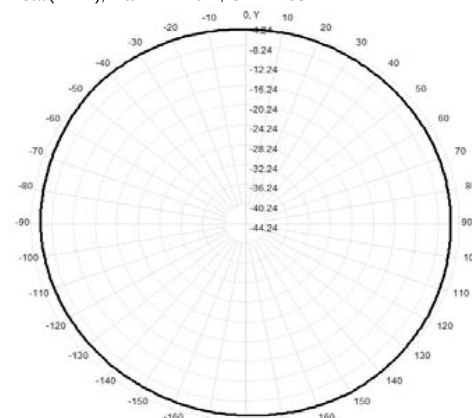
917.0MHz Total(E1-XZ), Max= -4.93dBi



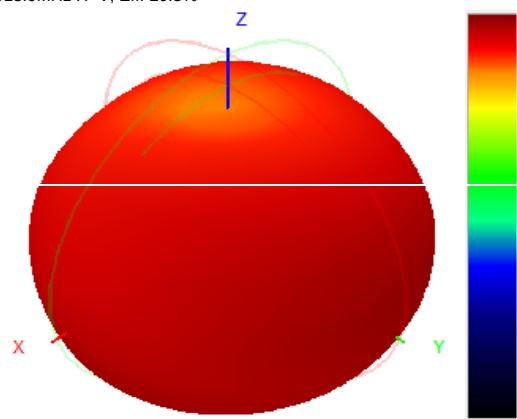
917.0MHz Total(E2-YZ), Max= -4.24dBi



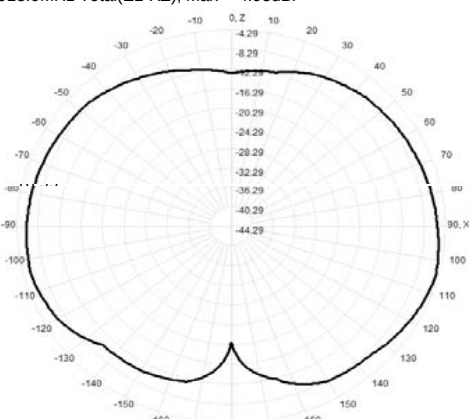
Total(H-XY), Max= -4.72dBi, CirD=1.63



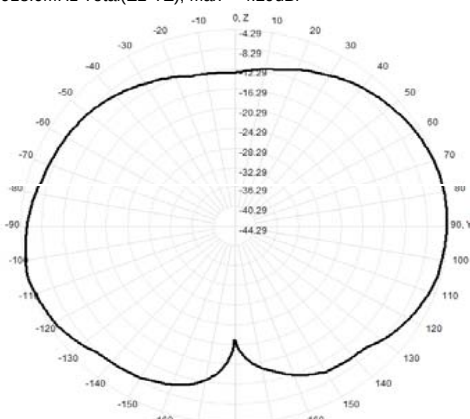
918.0MHz H+V, Eff: 20.3%



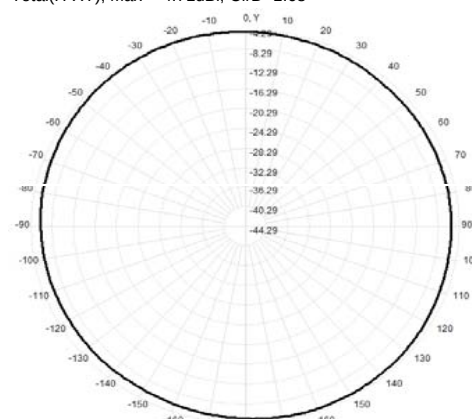
918.0MHz Total(E1-XZ), Max= -4.95dBi



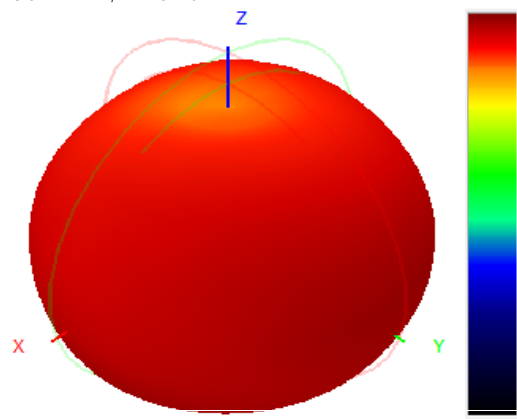
918.0MHz Total(E2-YZ), Max= -4.29dBi



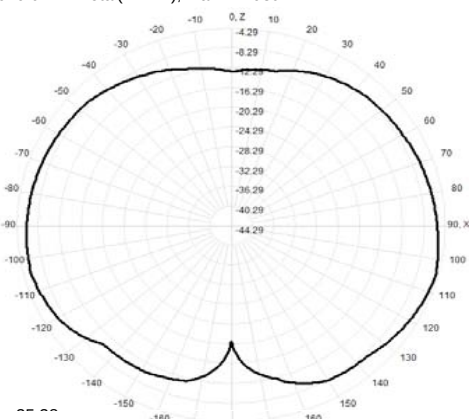
Total(H-XY), Max= -4.71dBi, CirD=1.68



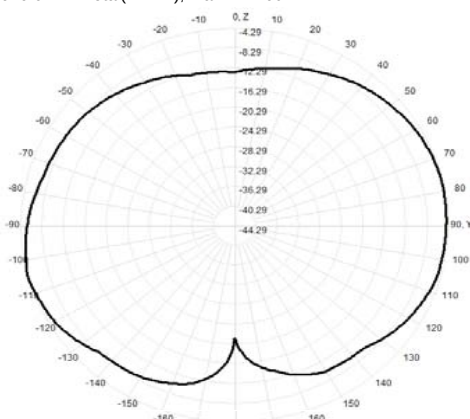
919.0MHz H+V, Eff: 20.2%



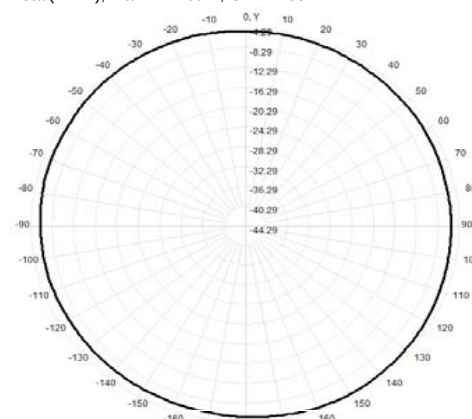
919.0MHz Total(E1-XZ), Max= -4.98dBi



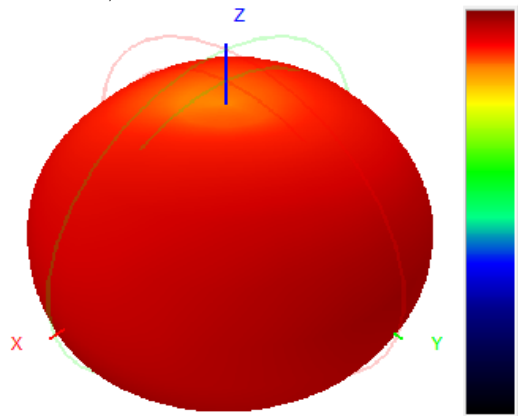
919.0MHz Total(E2-YZ), Max= -4.29dBi



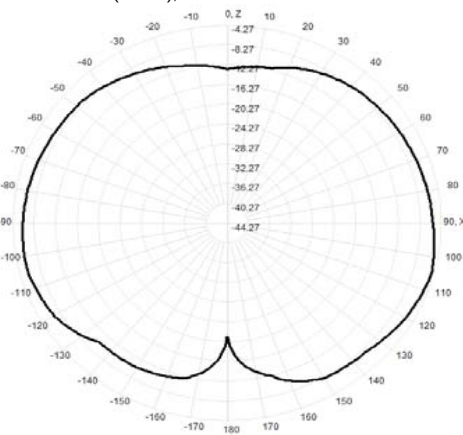
Total(H-XY), Max= -4.70dBi, CirD=1.65



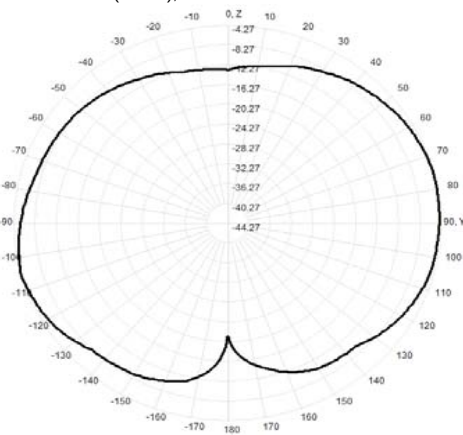
920.0MHz H+V, Eff: 20.2%



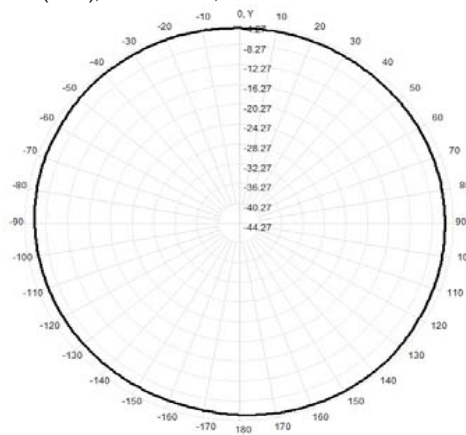
920.0MHz Total(E1-XZ), Max= -4.95dBi



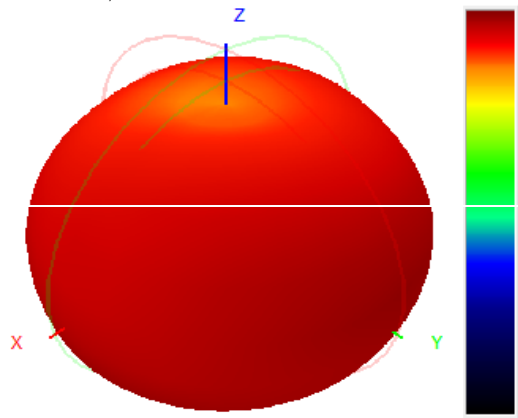
920.0MHz Total(E2-YZ), Max= -4.27dBi



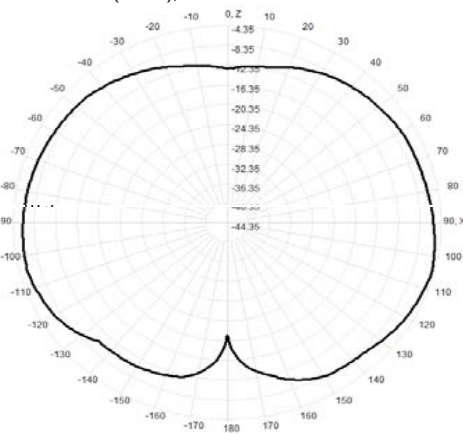
Total(H-XY), Max= -4.74dBi, CirD=1.64



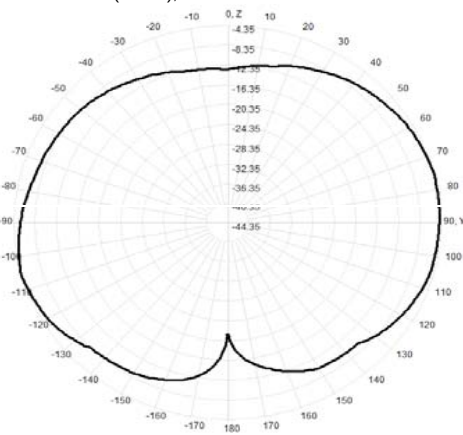
921.0MHz H+V, Eff: 20.0%



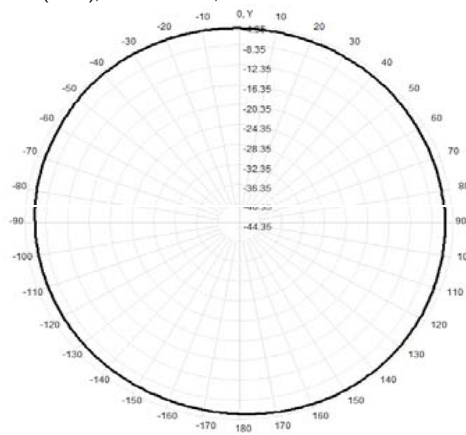
921.0MHz Total(E1-XZ), Max= -4.97dBi



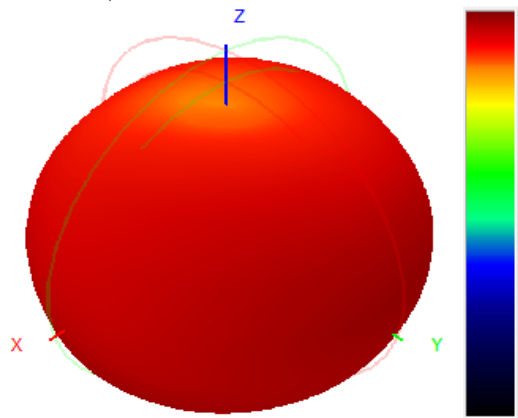
921.0MHz Total(E2-YZ), Max= -4.35dBi



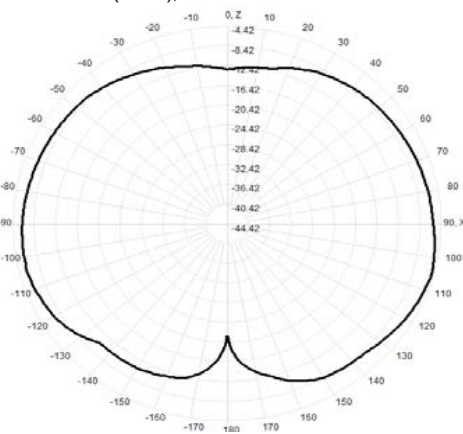
Total(H-XY), Max= -4.87dBi, CirD=1.59



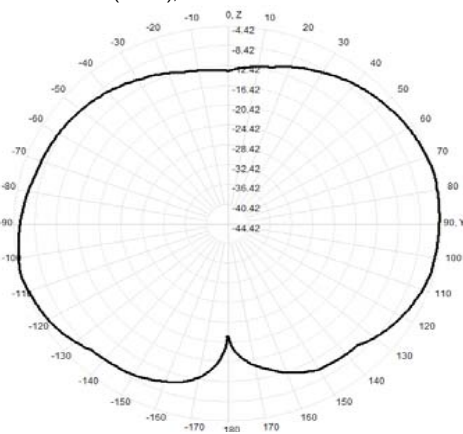
922.0MHz H+V, Eff: 19.7%



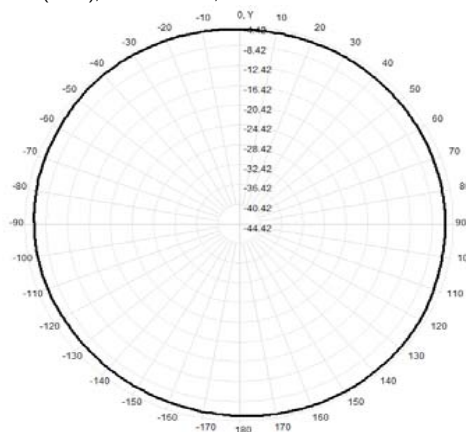
922.0MHz Total(E1-XZ), Max= -5.03dBi



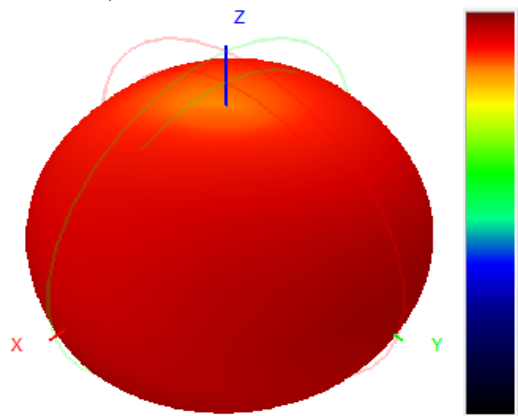
922.0MHz Total(E2-YZ), Max= -4.42dBi



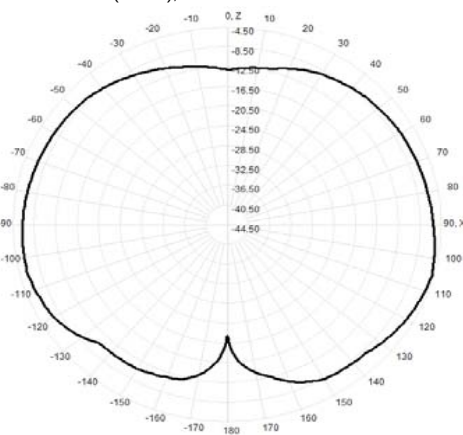
Total(H-XY), Max= -4.87dBi, CirD=1.66



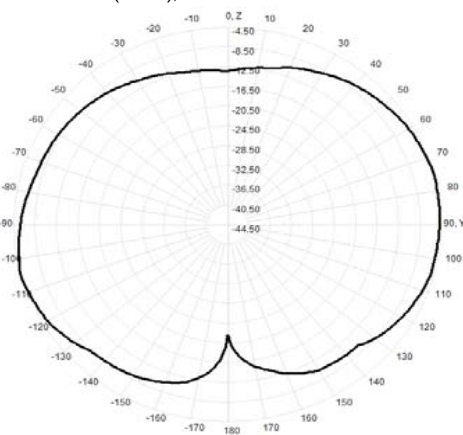
923.0MHz H+V, Eff: 19.5%



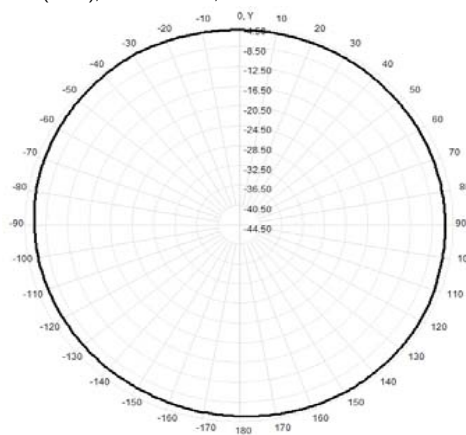
923.0MHz Total(E1-XZ), Max=-5.08dBi



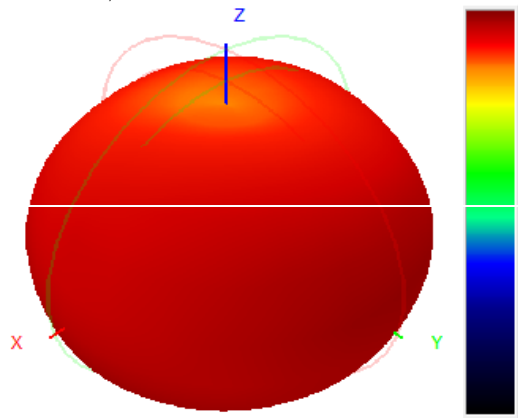
923.0MHz Total(E2-YZ), Max=-4.50dBi



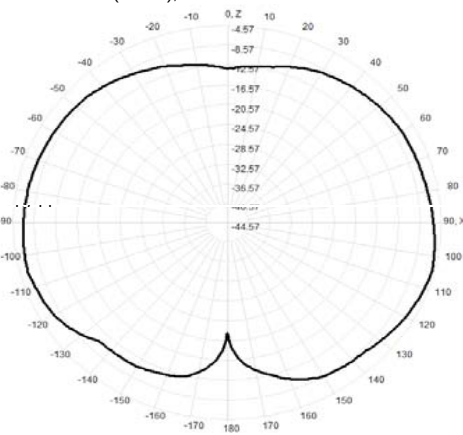
Total(H-XY), Max=-4.89dBi, CirD=1.73



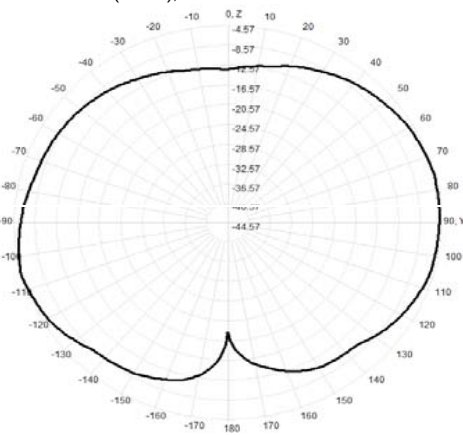
924.0MHz H+V, Eff: 19.1%



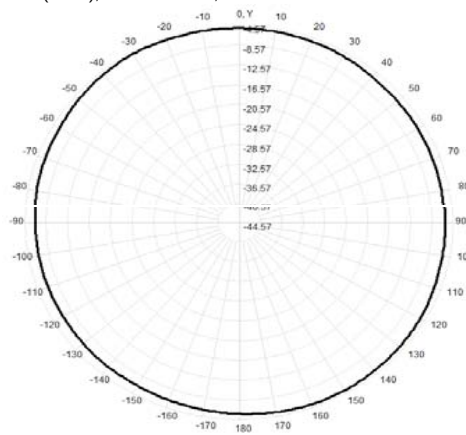
924.0MHz Total(E1-XZ), Max=-5.20dBi



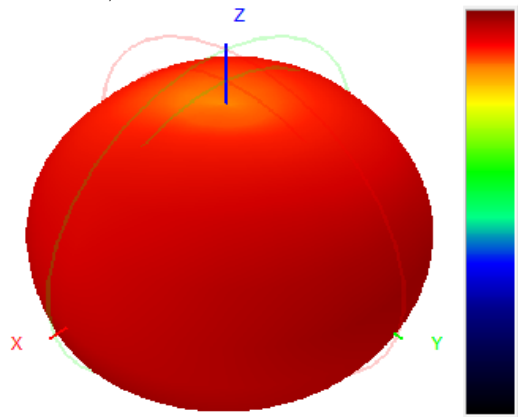
924.0MHz Total(E2-YZ), Max=-4.57dBi



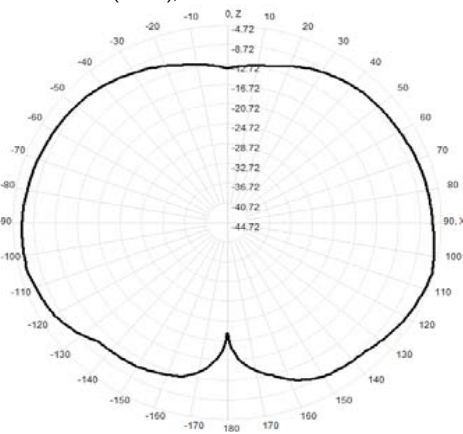
Total(H-XY), Max=-4.98dBi, CirD=1.65



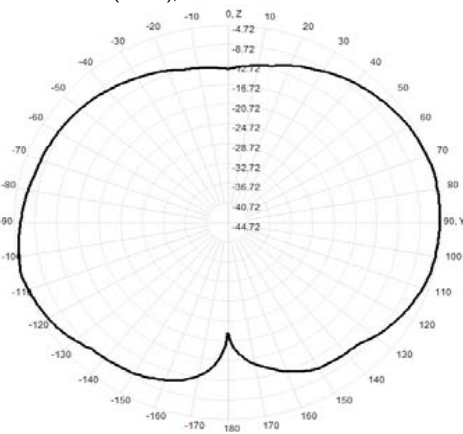
925.0MHz H+V, Eff: 18.6%



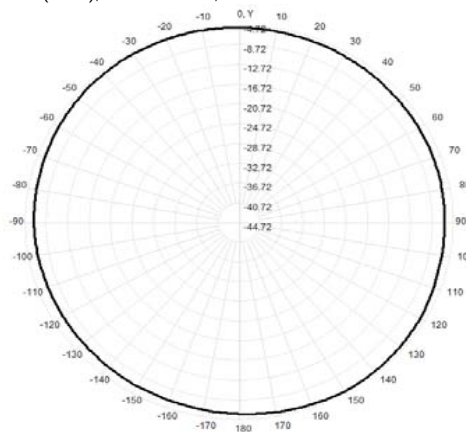
925.0MHz Total(E1-XZ), Max=-5.28dBi



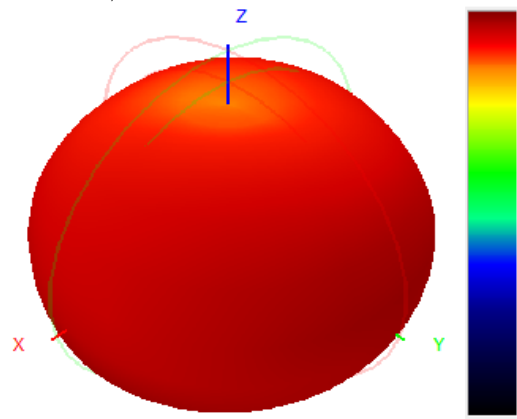
925.0MHz Total(E2-YZ), Max=-4.72dBi



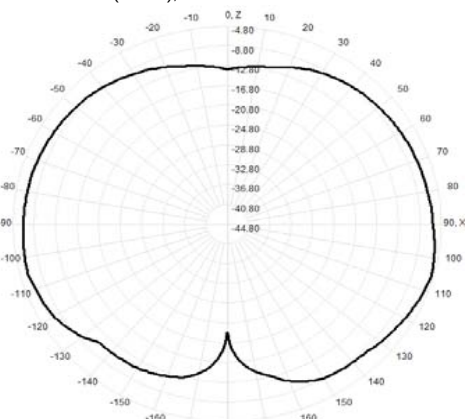
Total(H-XY), Max=-5.16dBi, CirD=1.63



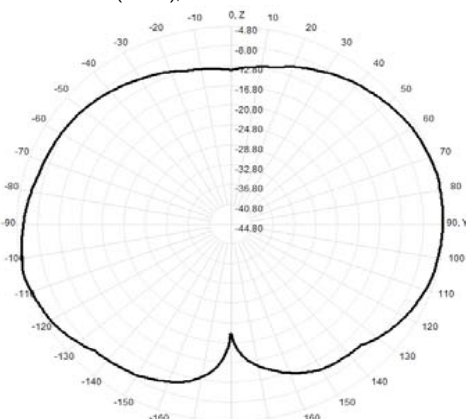
926.0MHz H+V, Eff: 18.1%



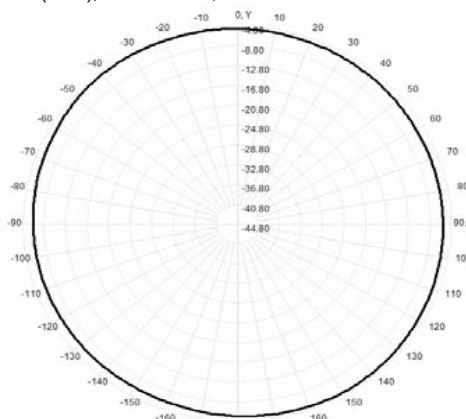
926.0MHz Total(E1-XZ), Max= -5.39dBi



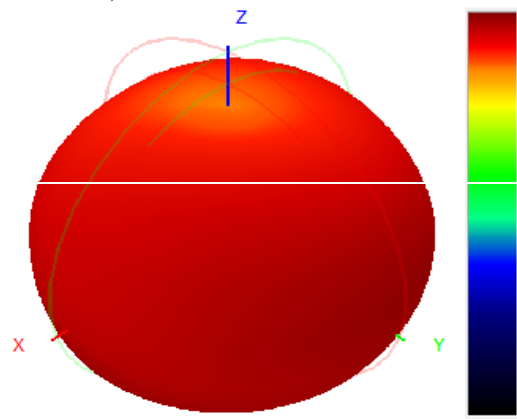
926.0MHz Total(E2-YZ), Max= -4.80dBi



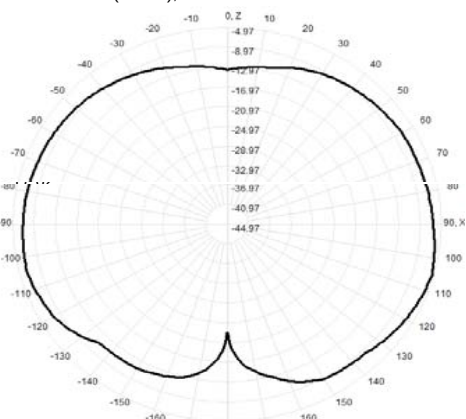
Total(H-XY), Max= -5.24dBi, CirD=1.62



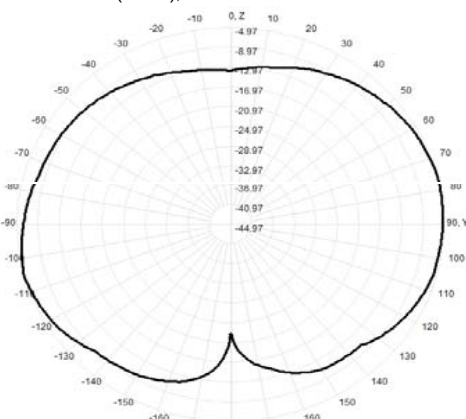
927.0MHz H+V, Eff: 17.6%



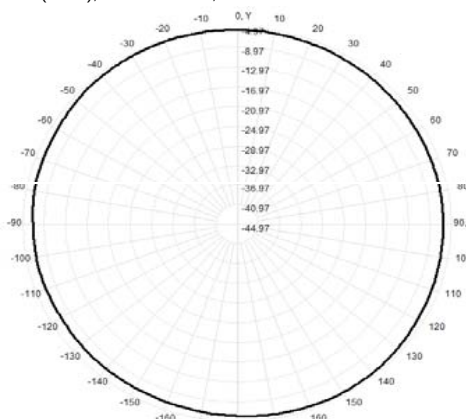
927.0MHz Total(E1-XZ), Max= -5.54dBi



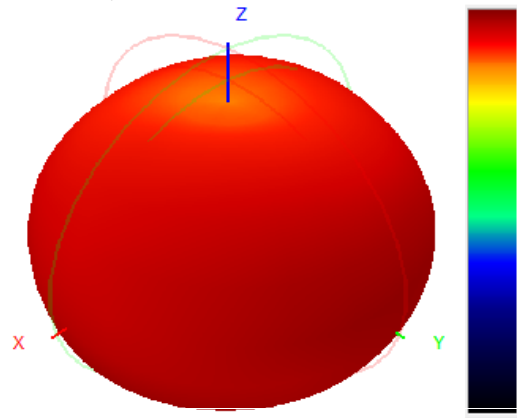
927.0MHz Total(E2-YZ), Max= -4.97dBi



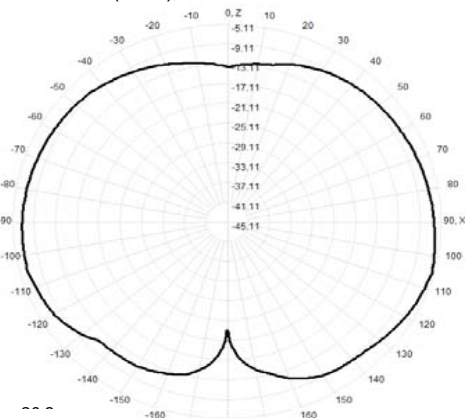
Total(H-XY), Max= -5.45dBi, CirD=1.66



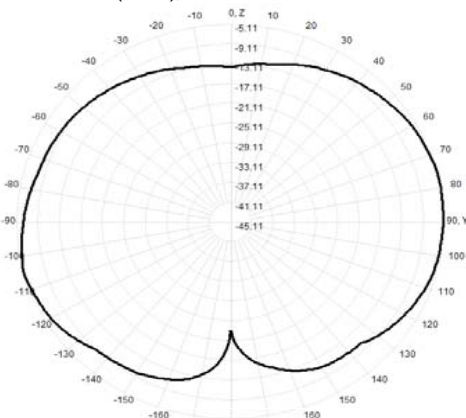
928.0MHz H+V, Eff: 17.0%



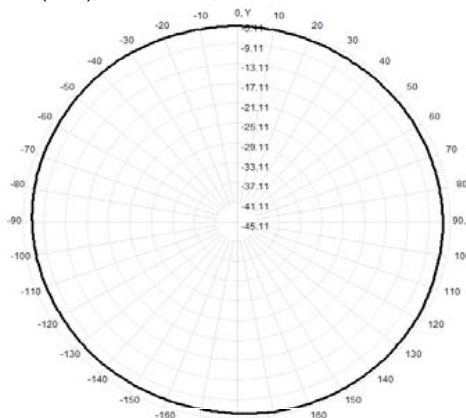
928.0MHz Total(E1-XZ), Max= -5.69dBi

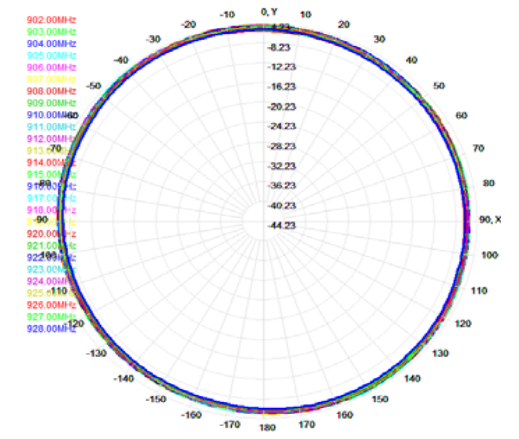
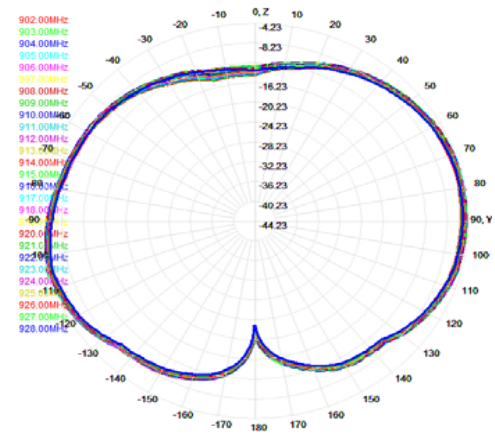
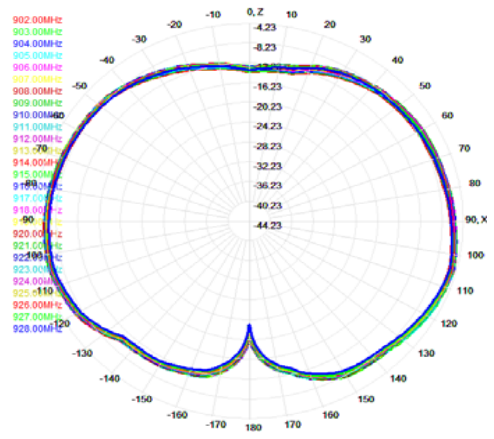


928.0MHz Total(E2-YZ), Max= -5.11dBi



Total(H-XY), Max= -5.48dBi, CirD=1.77





Lora Antenna

