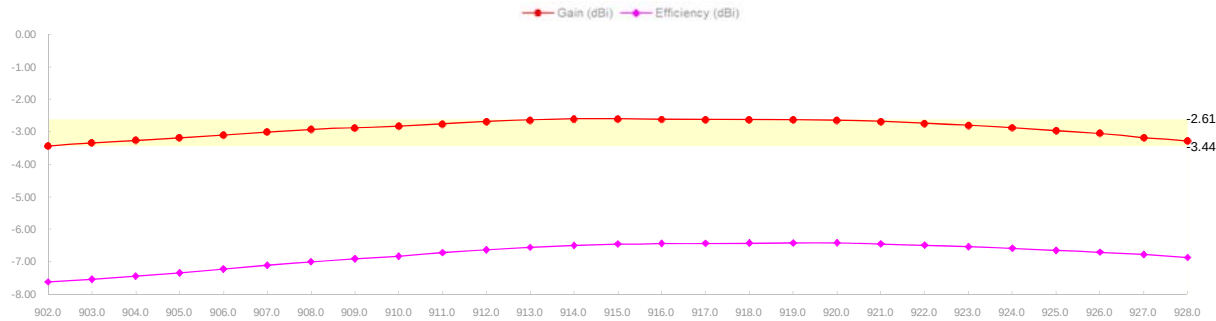
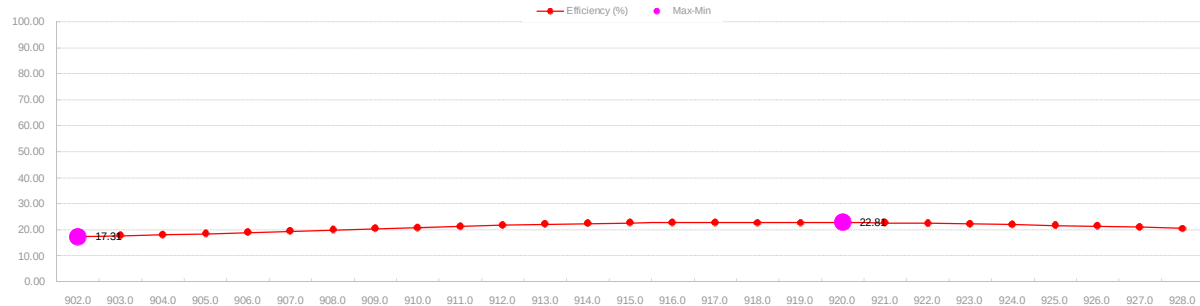


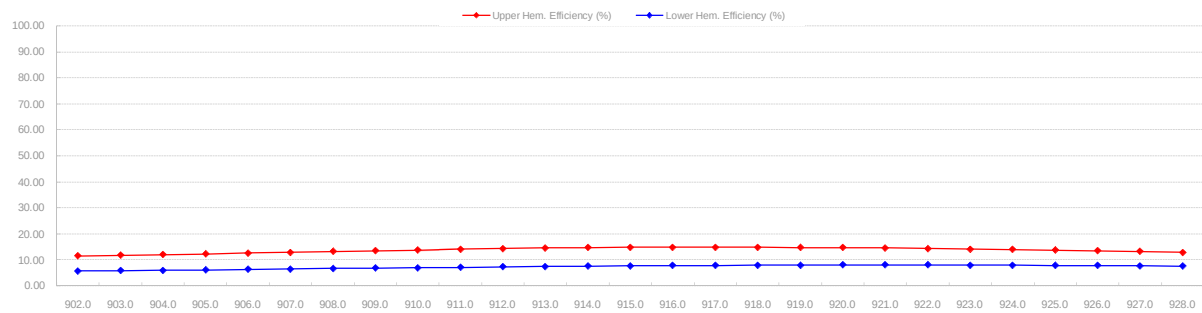
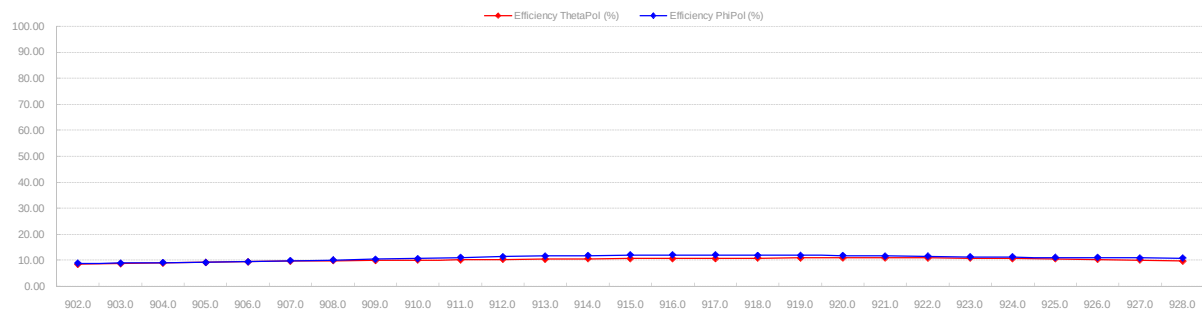


M.gear

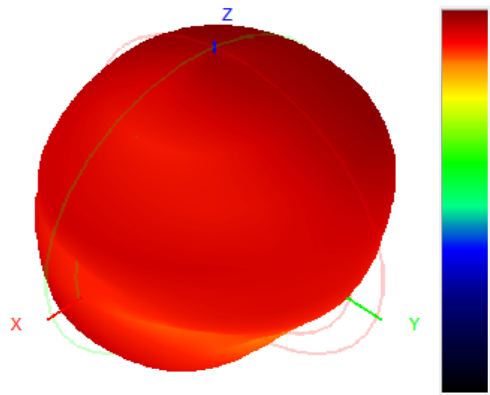
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Frequency (MHz)	902.0	903.0	904.0	905.0	906.0	907.0	908.0	909.0	910.0	911.0	912.0	913.0	914.0	915.0	916.0	917.0	918.0	919.0	920.0	921.0	922.0	923.0	924.0	925.0	926.0	927.0	928.0
Efficiency (dBi)	-7.62	-7.53	-7.44	-7.34	-7.22	-7.11	-7.00	-6.91	-6.83	-6.72	-6.63	-6.56	-6.50	-6.45	-6.44	-6.43	-6.43	-6.42	-6.42	-6.45	-6.49	-6.54	-6.58	-6.65	-6.70	-6.78	-6.87
Gain (dBi)	-3.44	-3.34	-3.26	-3.18	-3.11	-3.00	-2.93	-2.88	-2.83	-2.77	-2.69	-2.65	-2.61	-2.61	-2.62	-2.63	-2.63	-2.63	-2.65	-2.69	-2.75	-2.80	-2.88	-2.96	-3.05	-3.18	-3.29
Efficiency (%)	17.31	17.64	18.03	18.46	18.96	19.46	19.97	20.39	20.75	21.29	21.73	22.09	22.39	22.63	22.71	22.73	22.78	22.79	22.81	22.64	22.44	22.20	21.96	21.63	21.37	21.01	20.56
Directivity (dB)	4.18	4.19	4.18	4.16	4.11	4.10	4.07	4.03	4.00	3.95	3.94	3.91	3.89	3.85	3.82	3.81	3.80	3.79	3.77	3.76	3.74	3.74	3.71	3.69	3.65	3.60	3.58
Peak Gain Position (Theta)	15.00	15.00	15.00	15.00	15.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Peak Gain Position (Phi)	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Efficiency ThetaPol (%)	8.43	8.72	8.98	9.22	9.46	9.68	9.86	9.98	10.05	10.22	10.33	10.43	10.53	10.63	10.68	10.74	10.82	10.89	10.99	10.96	10.93	10.83	10.71	10.52	10.33	10.08	9.76
Efficiency PhiPol (%)	8.88	8.92	9.05	9.24	9.50	9.78	10.11	10.41	10.70	11.07	11.40	11.66	11.86	11.99	12.02	11.99	11.95	11.89	11.83	11.67	11.51	11.37	11.25	11.10	11.05	10.93	10.80
Upper Hem. Efficiency (%)	11.52	11.74	12.00	12.28	12.61	12.95	13.27	13.54	13.77	14.10	14.37	14.59	14.76	14.87	14.88	14.85	14.82	14.78	14.74	14.57	14.39	14.19	13.98	13.73	13.51	13.24	12.93
Lower Hem. Efficiency (%)	5.79	5.90	6.03	6.18	6.35	6.52	6.70	6.85	6.99	7.18	7.35	7.51	7.63	7.75	7.83	7.88	7.96	8.01	8.08	8.06	8.05	8.01	7.98	7.90	7.86	7.76	7.63
T90(H)roundness	15.82	16.54	16.94	17.56	18.12	18.43	19.44	19.49	20.23	20.31	20.05	20.18	19.89	19.60	19.43	18.80	18.36	17.82	17.12	16.89	16.22	15.77	15.23	14.99	14.74	14.37	13.90
Gain 15deg (dBi)																											
E1(XZ)beam width	79.00	78.00	79.00	78.00	79.00	79.00	79.00	79.00	80.00	79.00	79.00	80.00	80.00	80.00	80.00	81.00	81.00	81.00	81.00	82.00	82.00	82.00	82.00	83.00	84.00	84.00	
E1(XZ)front-to-rear ratio	5.79	5.66	5.77	5.63	5.57	5.56	5.51	5.39	5.30	5.29	5.19	5.14	5.01	5.05	4.85	4.81	4.67	4.59	4.59	4.47	4.37	4.27	4.21	4.15	4.09	4.04	4.00
E2(YZ)beam width	185.00	186.00	187.00	188.00	189.00	190.00	190.00	190.00	191.00	191.00	193.00	193.00	194.00	196.00	197.00	199.00	199.00	201.00	202.00	205.00	206.00	208.00	211.00	213.00	215.00	219.00	221.00
E2(YZ)front-to-rear ratio	6.62	6.52	6.60	6.60	6.52	6.62	6.64	6.71	6.73	6.81	6.74	6.69	6.75	6.64	6.56	6.50	6.46	6.31	6.10	6.05	5.98	5.83	5.80	5.68	5.56	5.56	5.44
Maximum benefit axis ratio	20.53	20.58	20.70	20.62	20.39	16.53	16.57	16.46	19.07	19.21	19.53	19.97	20.41	20.92	21.21	20.32	20.56	20.97	21.52	22.08	23.01	24.00	25.19	26.55	28.26	29.47	30.96
peak(Theta=0)Axial ratio(P)	19.13	19.29	19.58	19.72	19.86	19.99	20.06	20.18	20.14	20.08	20.08	19.95	19.87	19.82	19.84	19.80	19.92	19.93	20.12	20.24	20.44	20.68	20.83	21.00	21.10	21.31	21.30
elevation 10° axial ratio(P)	46.32	42.19	48.77	42.74	45.41	48.38	40.57	40.41	42.38	47.79	46.75	46.80	44.27	42.75	46.96	47.22	47.17	47.31	47.41	47.54	46.32	46.11	47.79	46.77	46.11	46.23	46.40
Hc(XY)beam width	124.00	123.00	121.00	122.00	120.00	119.00	119.00	119.00	117.00	117.00	115.00	116.00	115.00	112.00	114.00	113.00	112.00	113.00	112.00	111.00	111.00	111.00	111.00	110.00	110.00	109.00	109.00
Hc(XY)front-to-rear ratio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Left-handed circular polarization efficiency(%)	8.70	8.86	9.07	9.29	9.55	9.82	10.09	10.32	10.52	10.83	11.07	11.30	11.47	11.63	11.71	11.75	11.81	11.85	11.89	11.83	11.75	11.65	11.56	11.41	11.30	11.13	10.91
Right-handed circular polarization efficiency(%)	8.61	8.79	8.96	9.17	9.41	9.65	9.88	10.07	10.23	10.46	10.65	10.80	10.91	10.99	11.00	10.98	10.97	10.94	10.92	10.81	10.69	10.55	10.40	10.22	10.07	9.87	9.65
Empty																											



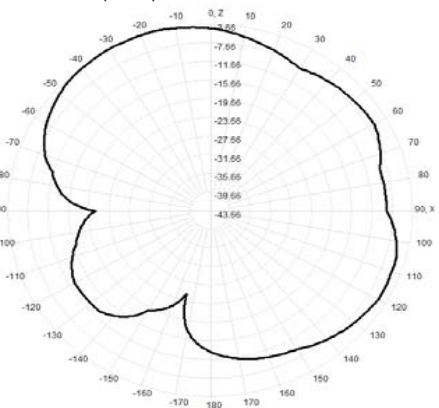
Xiamen Milesight IoT Co., Ltd.
Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China



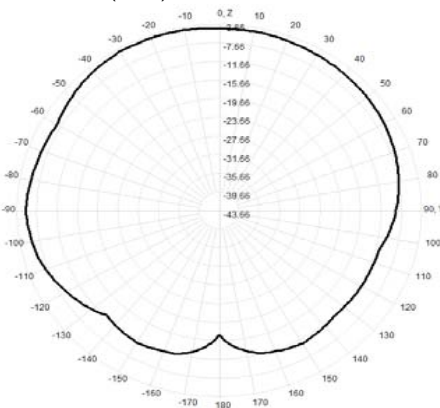
902.0MHz H+V, Eff: 17.3%



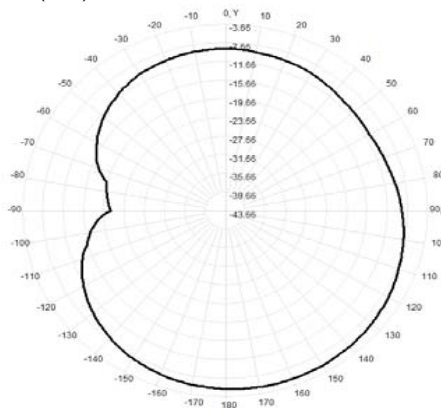
902.0MHz Total(E1-XZ), Max= -3.66dBi



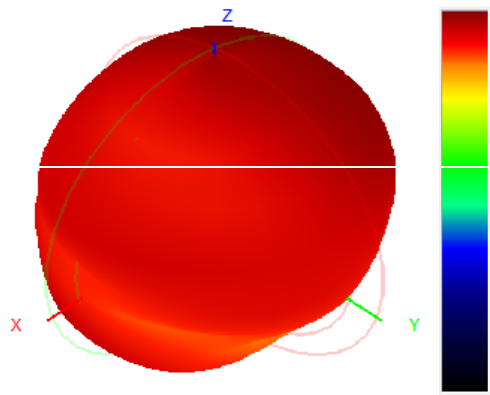
902.0MHz Total(E2-YZ), Max= -4.23dBi



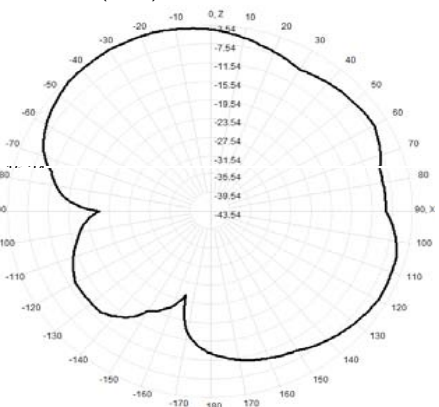
Total(H-XY), Max= -5.25dBi, CirD=15.82



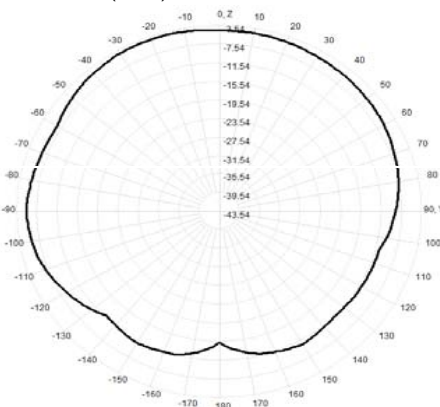
903.0MHz H+V, Eff: 17.6%



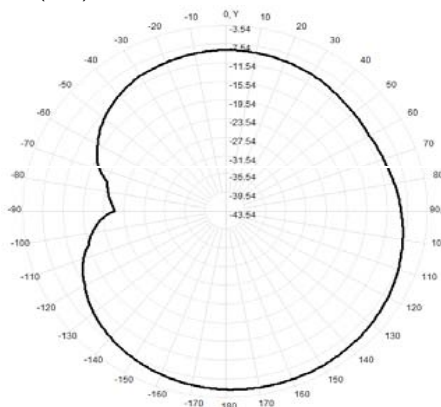
903.0MHz Total(E1-XZ), Max= -3.54dBi



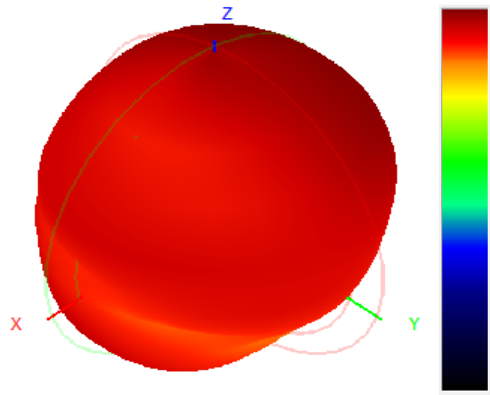
903.0MHz Total(E2-YZ), Max= -4.21dBi



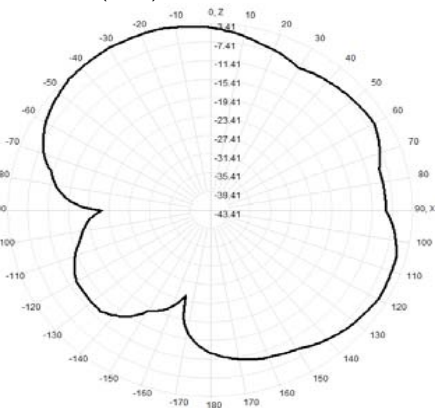
Total(H-XY), Max= -5.25dBi, CirD=16.54



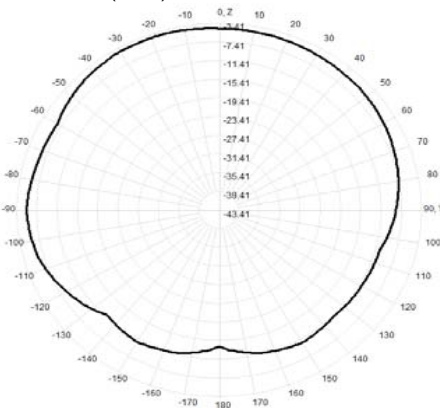
904.0MHz H+V, Eff: 18.0%



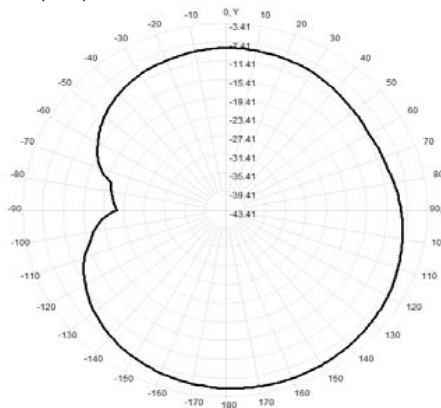
904.0MHz Total(E1-XZ), Max= -3.41dBi



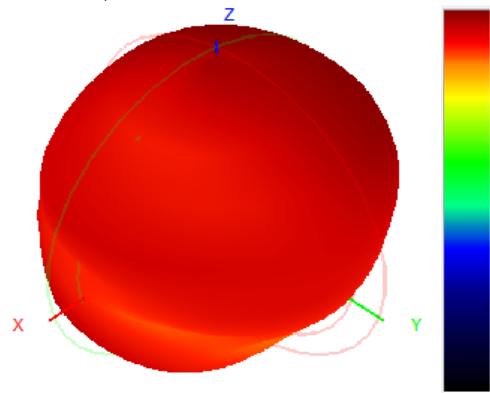
904.0MHz Total(E2-YZ), Max= -4.17dBi



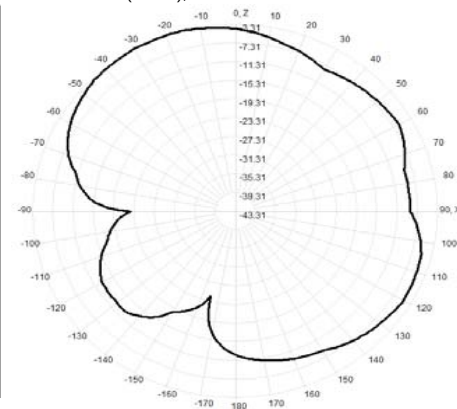
Total(H-XY), Max= -5.14dBi, CirD=16.94



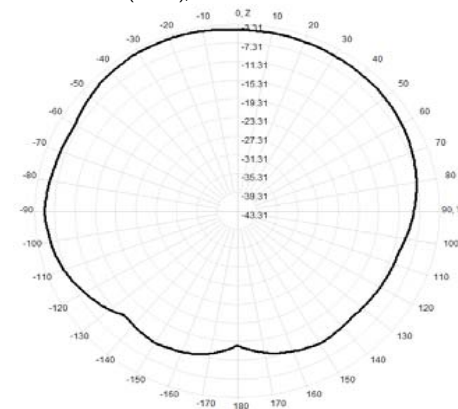
905.0MHz H+V, Eff: 18.5%



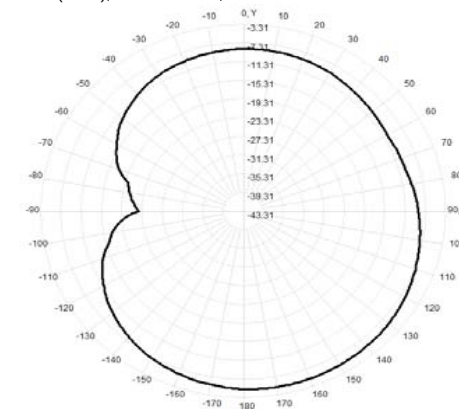
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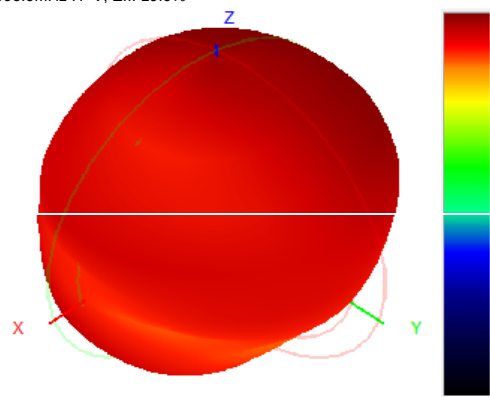
905.0MHz Total(E2-YZ), Max= -4.08dBi



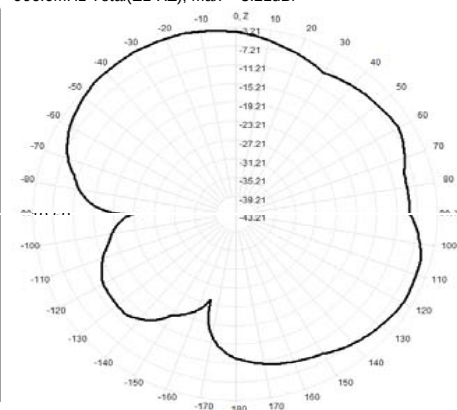
Total(H-XY), Max= -5.13dBi, CirD=17.56



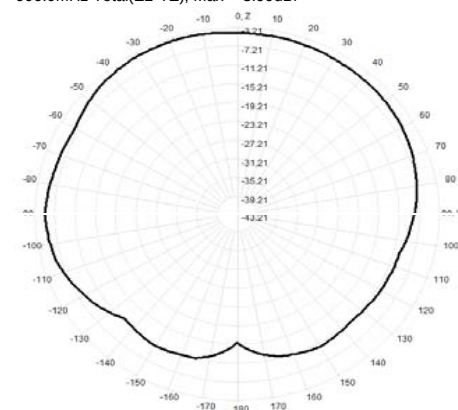
906.0MHz H+V, Eff: 19.0%



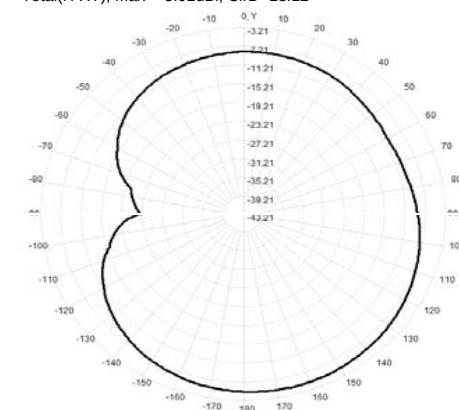
906.0MHz Total(E1-XZ), Max= -3.21dBi



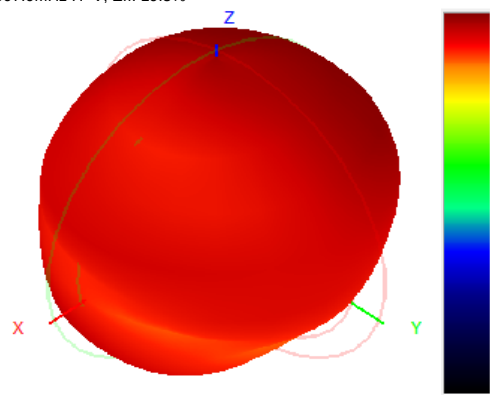
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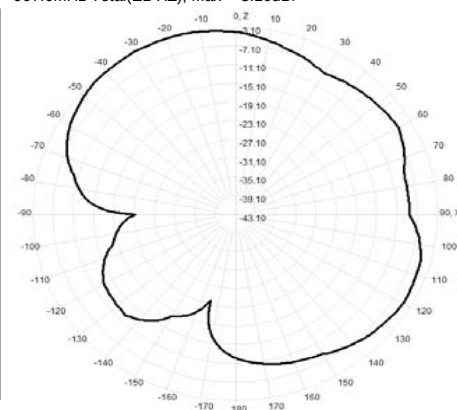
Total(H-XY), Max= -5.02dBi, CirD=18.12



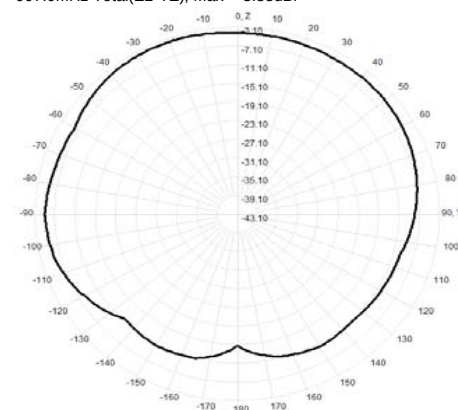
907.0MHz H+V, Eff: 19.5%



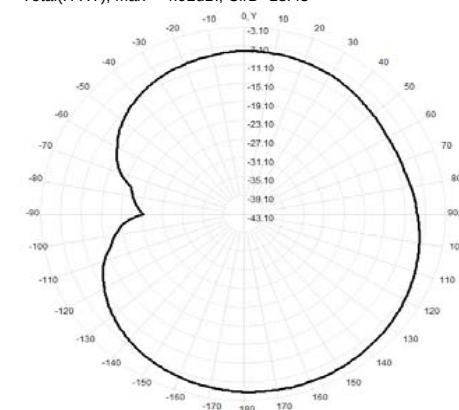
907.0MHz Total(E1-XZ), Max= -3.10dBi



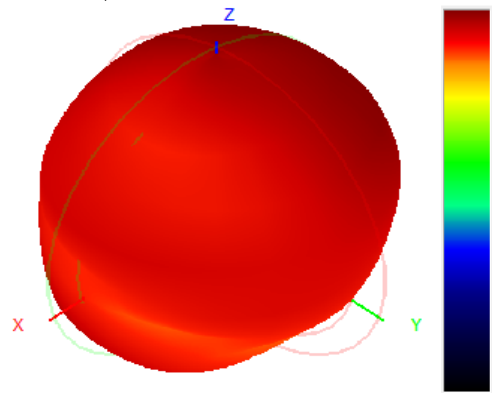
907.0MHz Total(E2-YZ), Max= -3.88dBi



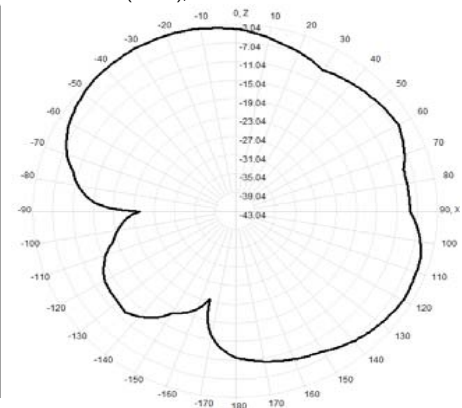
Total(H-XY), Max= -4.92dBi, CirD=18.43



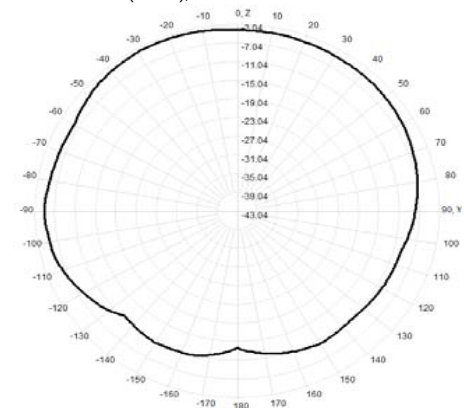
908.0MHz H+V, Eff: 20.0%



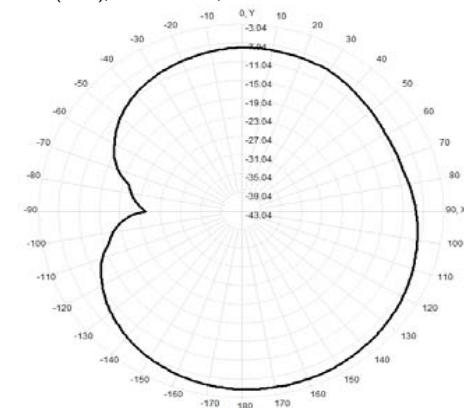
908.0MHz Total(E1-XZ), Max= -3.04dBi



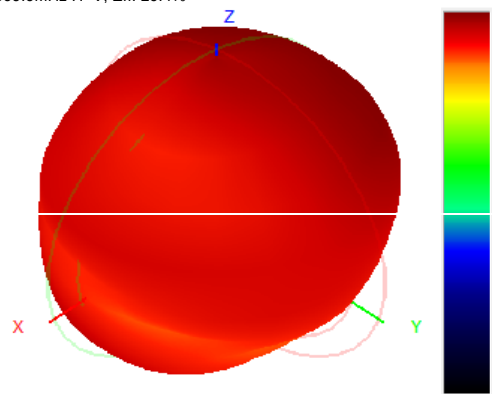
908.0MHz Total(E2-YZ), Max= -3.77dBi



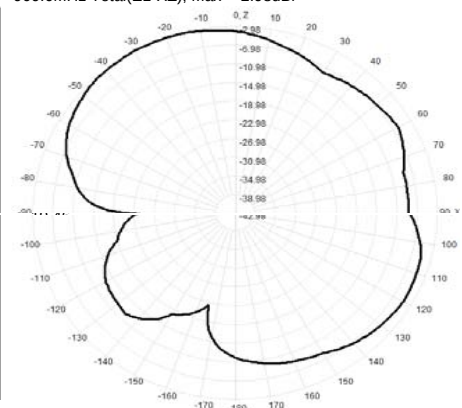
Total(H-XY), Max= -4.82dBi, CirD=19.44



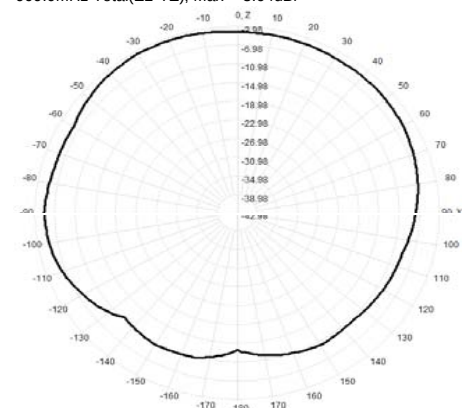
909.0MHz H+V, Eff: 20.4%



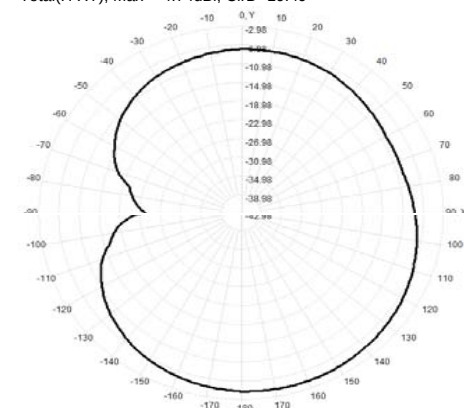
909.0MHz Total(E1-XZ), Max= -2.98dBi



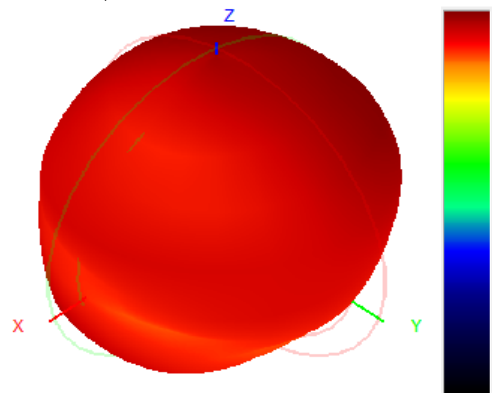
909.0MHz Total(E2-YZ), Max= -3.64dBi



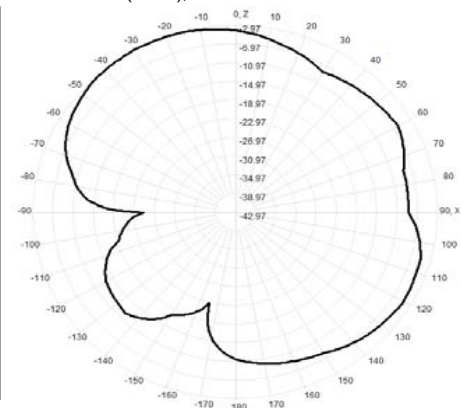
Total(H-XY), Max= -4.74dBi, CirD=19.49



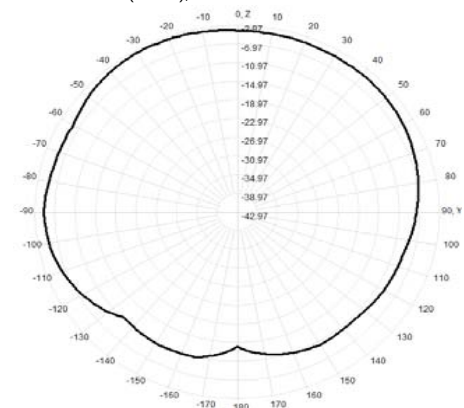
910.0MHz H+V, Eff: 20.8%



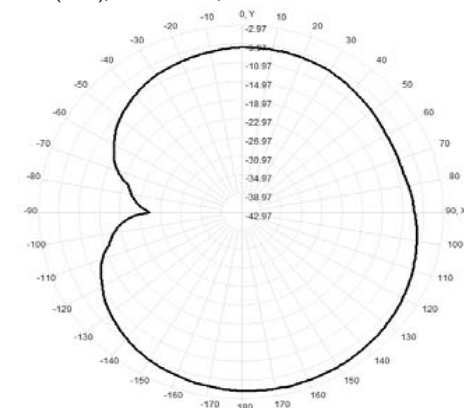
910.0MHz Total(E1-XZ), Max= -2.97dBi



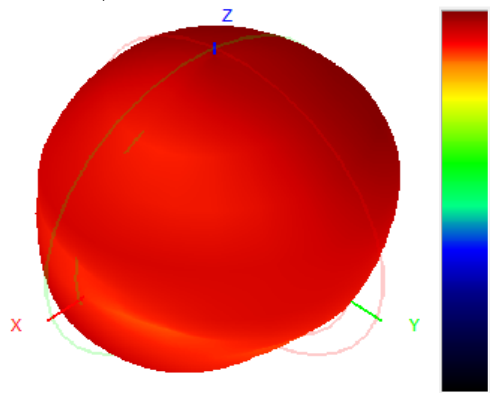
910.0MHz Total(E2-YZ), Max= -3.55dBi



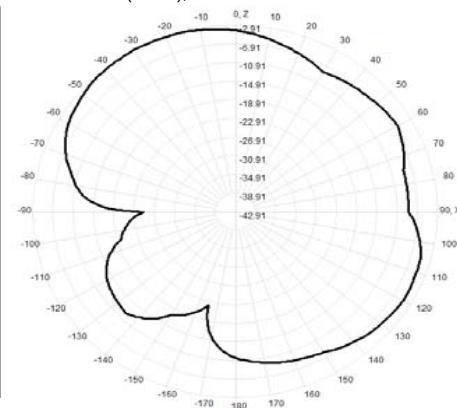
Total(H-XY), Max= -4.63dBi, CirD=20.23



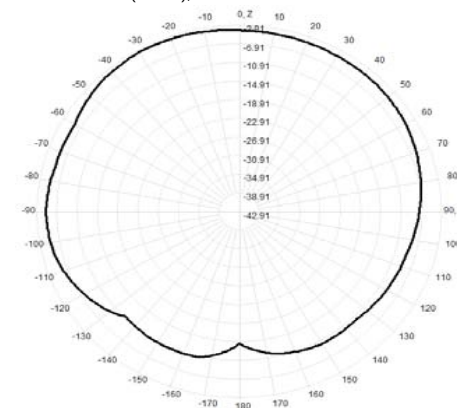
911.0MHz H+V, Eff: 21.3%



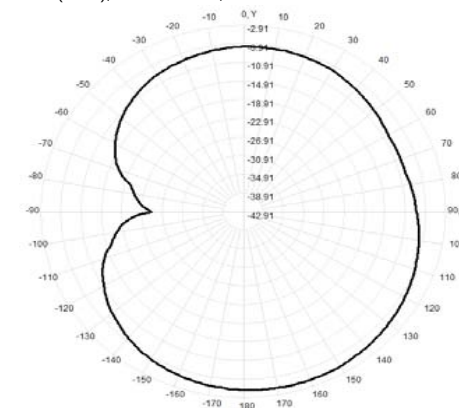
911.0MHz Total(E1-XZ), Max= -2.91dBi



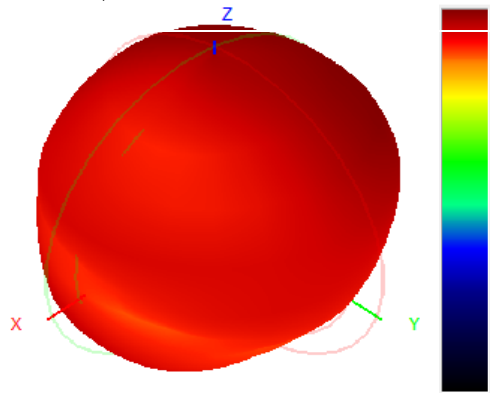
911.0MHz Total(E2-YZ), Max= -3.42dBi



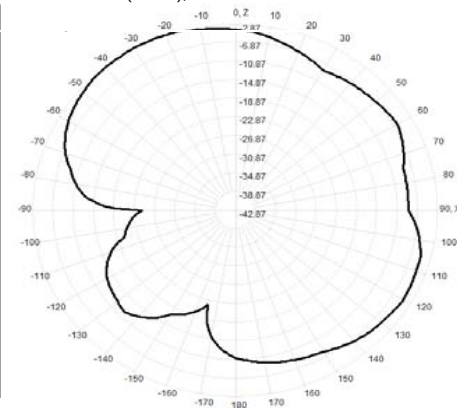
Total(H-XY), Max= -4.54dBi, CirD=20.31



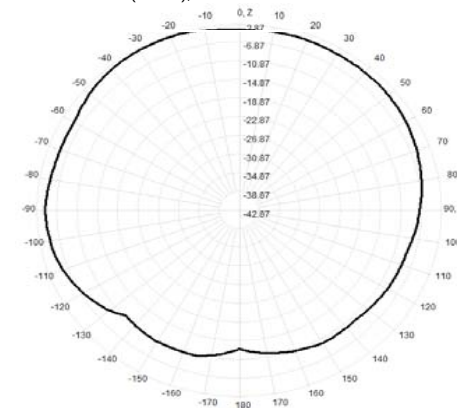
912.0MHz H+V, Eff: 21.7%



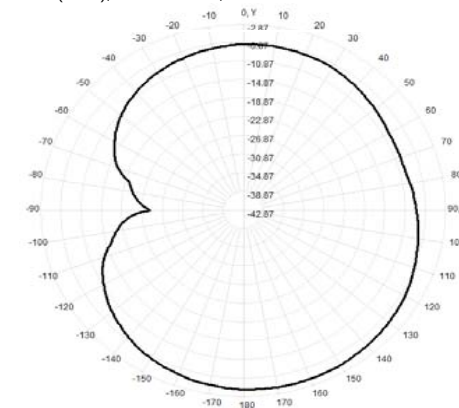
912.0MHz Total(E1-XZ), Max= -2.87dBi



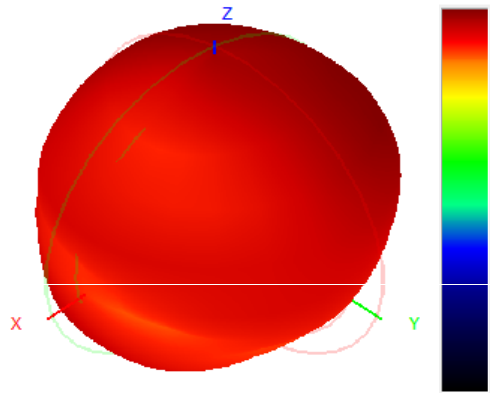
912.0MHz Total(E2-YZ), Max= -3.33dBi



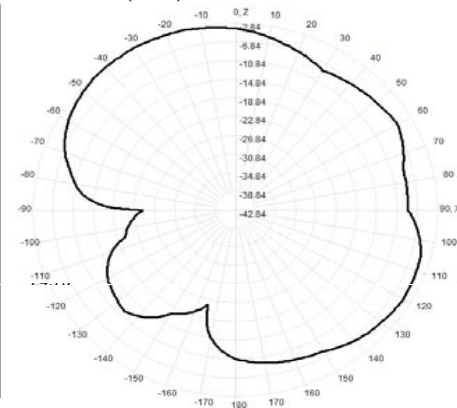
Total(H-XY), Max= -4.45dBi, CirD=20.05



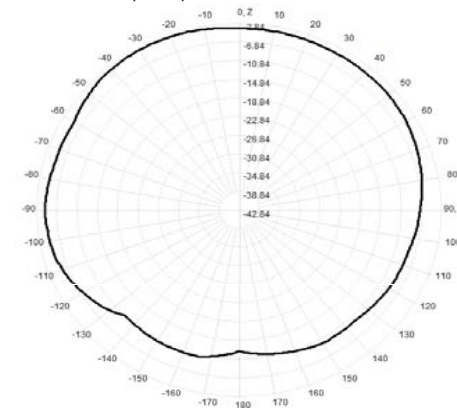
913.0MHz H+V, Eff: 22.1%



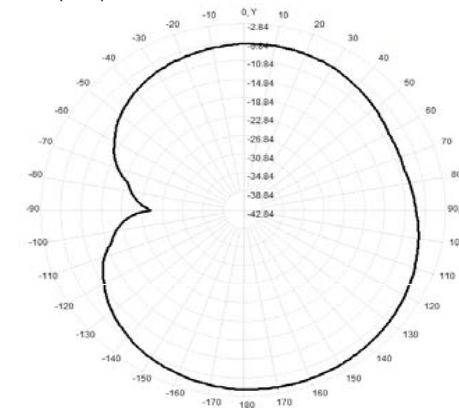
913.0MHz Total(E1-XZ), Max= -2.84dBi



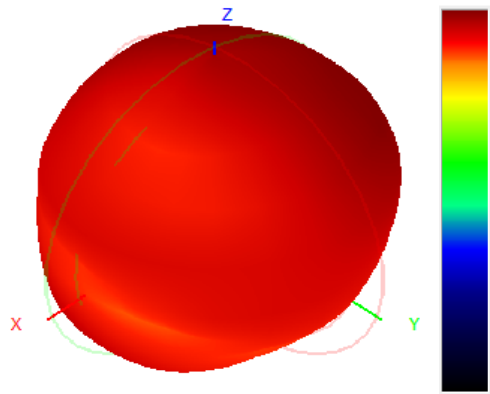
913.0MHz Total(E2-YZ), Max= -3.26dBi



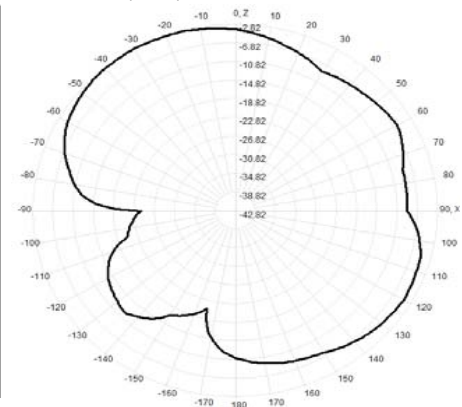
Total(H-XY), Max= -4.41dBi, CirD=20.18



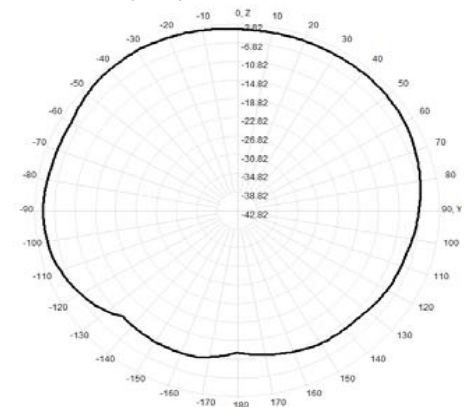
914.0MHz H+V, Eff: 22.4%



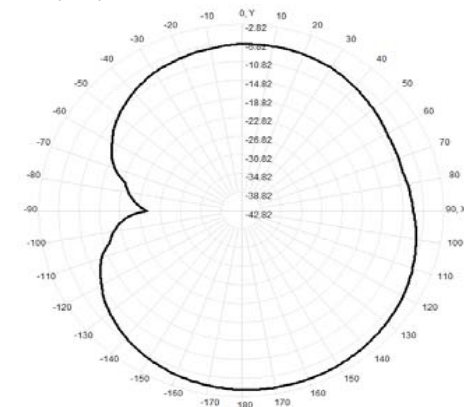
914.0MHz Total(E1-XZ), Max= -2.82dBi



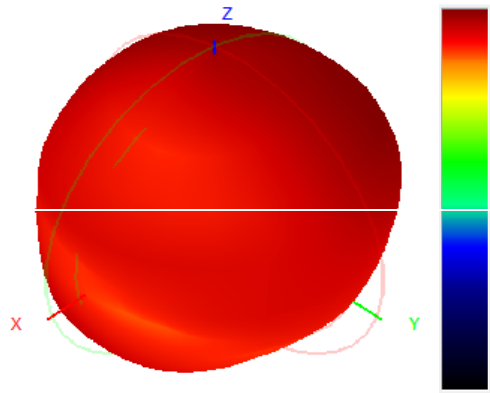
914.0MHz Total(E2-YZ), Max= -3.21dBi



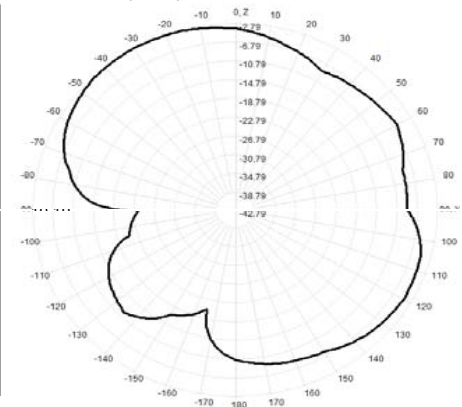
Total(H-XY), Max= -4.34dBi, CirD=19.89



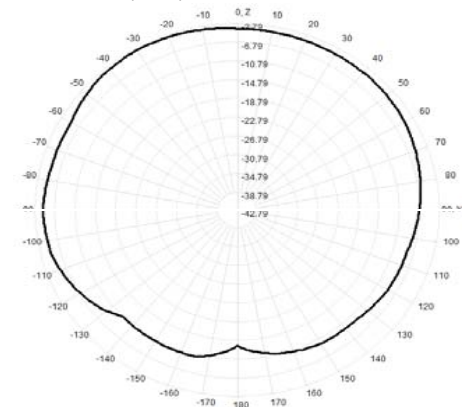
915.0MHz H+V, Eff: 22.6%



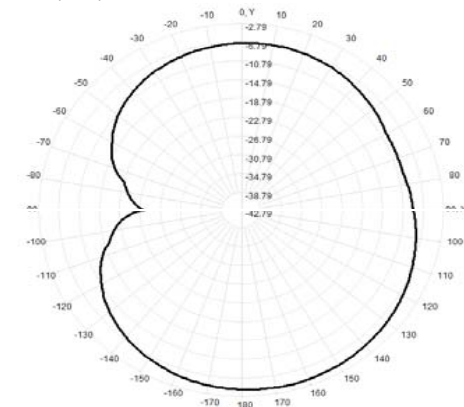
915.0MHz Total(E1-XZ), Max= -2.79dBi



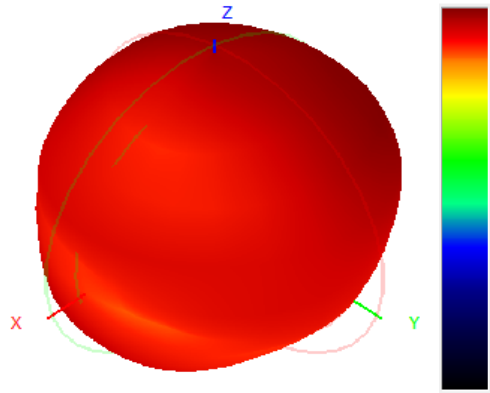
915.0MHz Total(E2-YZ), Max= -3.19dBi



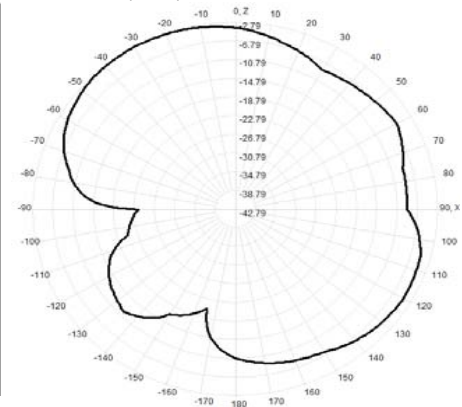
Total(H-XY), Max= -4.25dBi, CirD=19.60



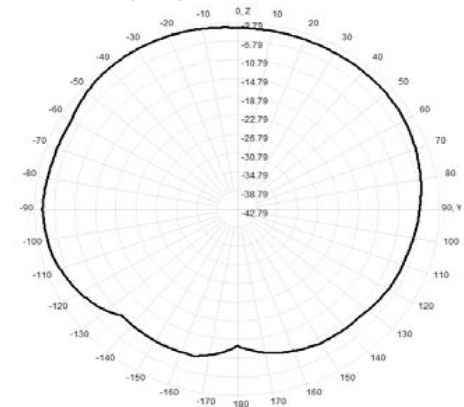
916.0MHz H+V, Eff: 22.7%



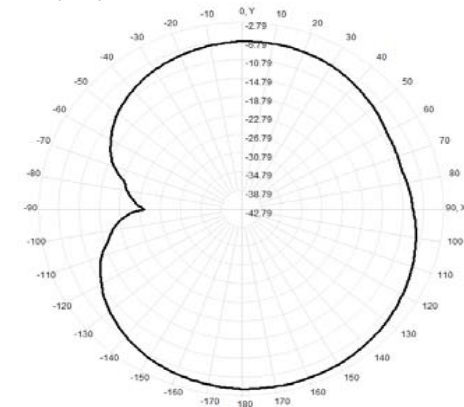
916.0MHz Total(E1-XZ), Max= -2.79dBi



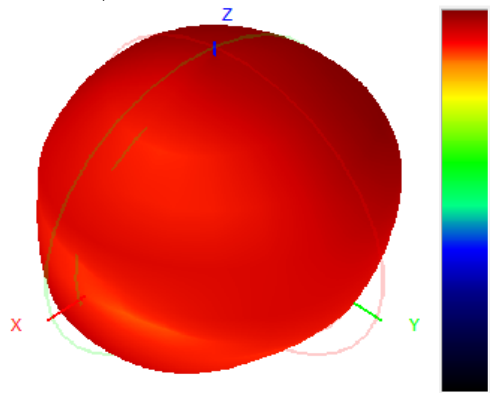
916.0MHz Total(E2-YZ), Max= -3.24dBi



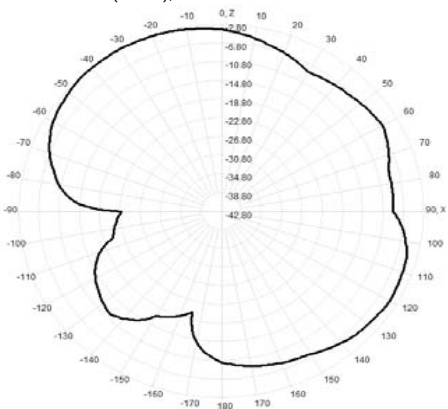
Total(H-XY), Max= -4.29dBi, CirD=19.43



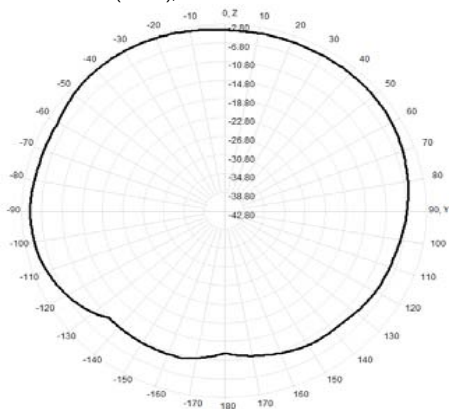
917.0MHz H+V, Eff: 22.7%



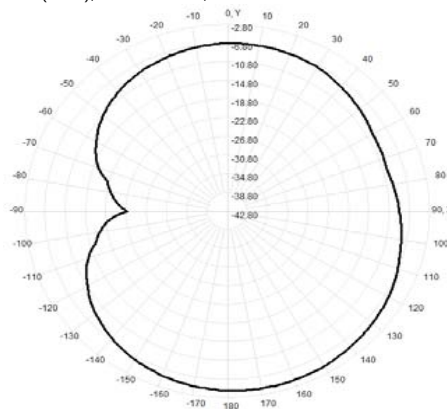
917.0MHz Total(E1-XZ), Max= -2.80dBi



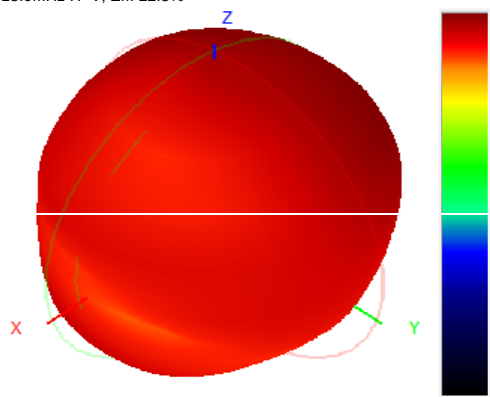
917.0MHz Total(E2-YZ), Max= -3.26dBi



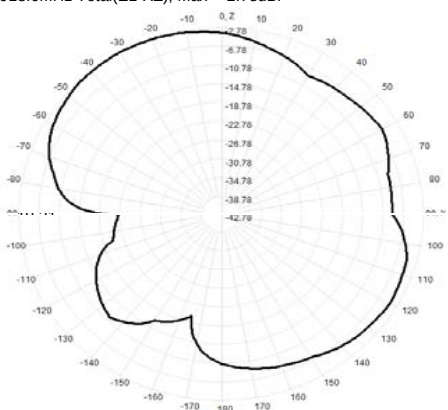
Total(H-XY), Max= -4.32dBi, CirD=18.80



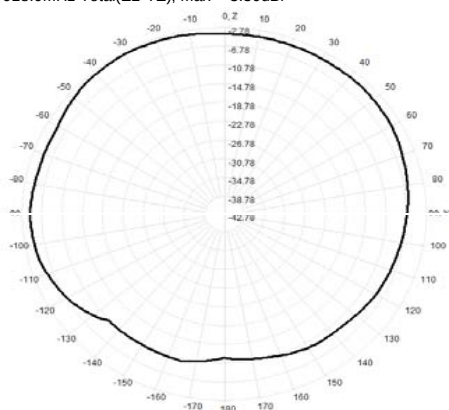
918.0MHz H+V, Eff: 22.8%



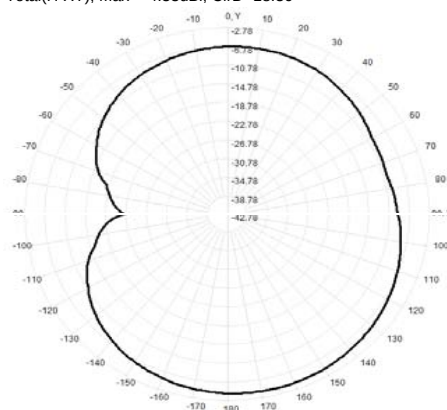
918.0MHz Total(E1-XZ), Max= -2.78dBi



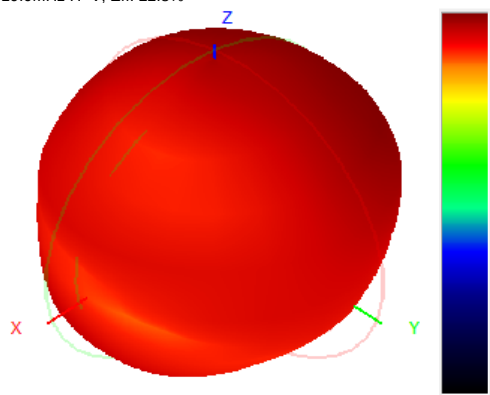
918.0MHz Total(E2-YZ), Max= -3.30dBi



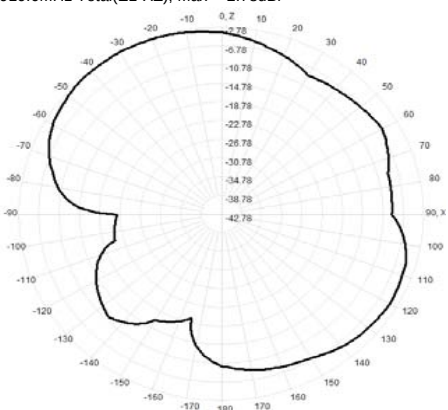
Total(H-XY), Max= -4.33dBi, CirD=18.36



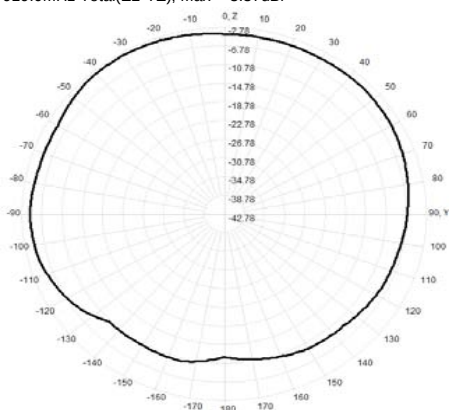
919.0MHz H+V, Eff: 22.8%



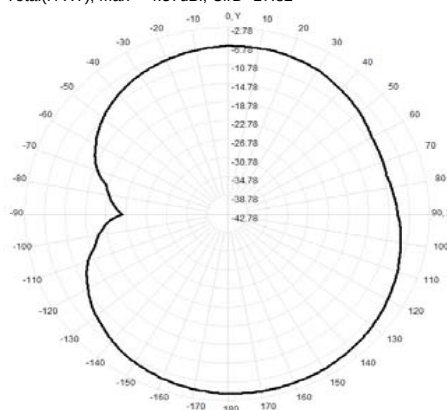
919.0MHz Total(E1-XZ), Max= -2.78dBi



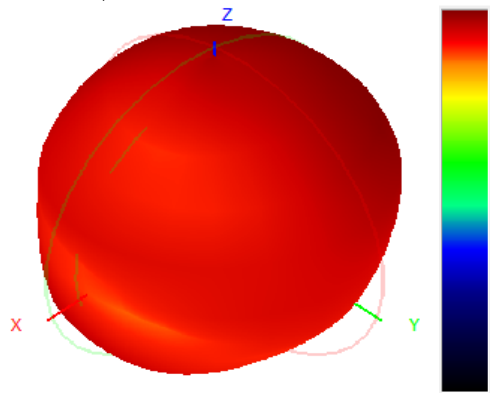
919.0MHz Total(E2-YZ), Max= -3.37dBi



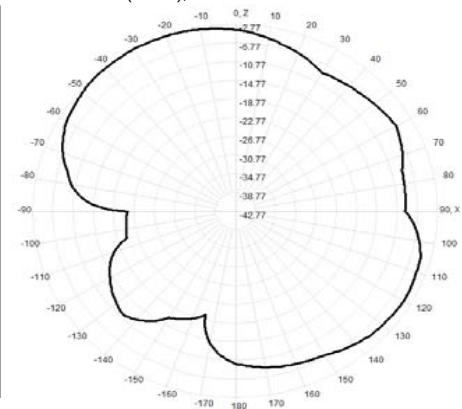
Total(H-XY), Max= -4.37dBi, CirD=17.82



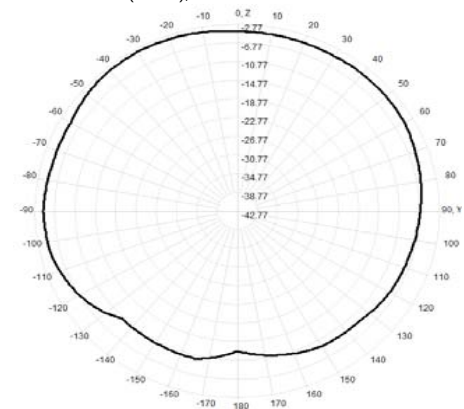
920.0MHz H+V, Eff: 22.8%



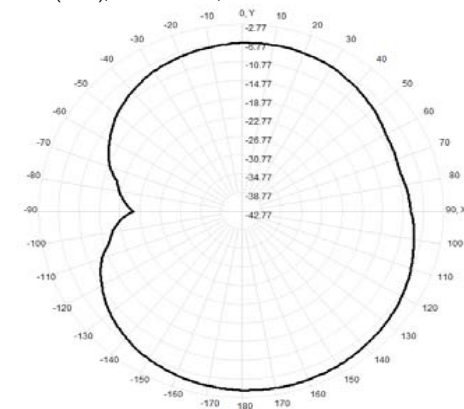
920.0MHz Total(E1-XZ), Max= -2.77dBi



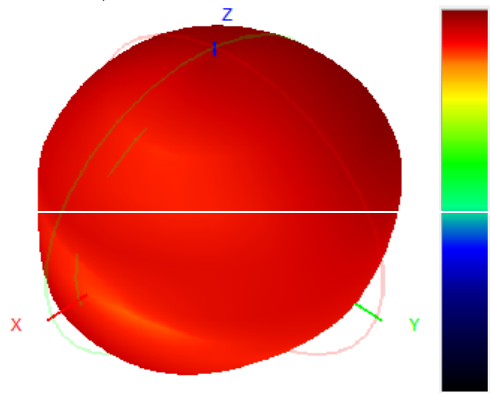
920.0MHz Total(E2-YZ), Max= -3.41dBi



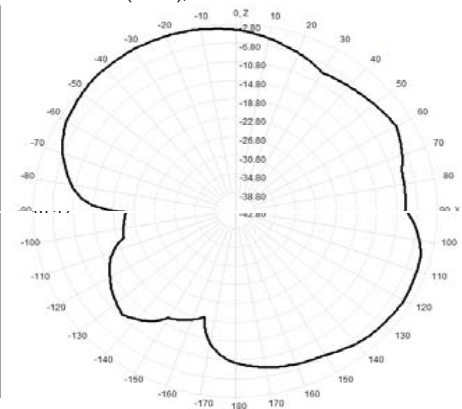
Total(H-XY), Max= -4.38dBi, CirD=17.12



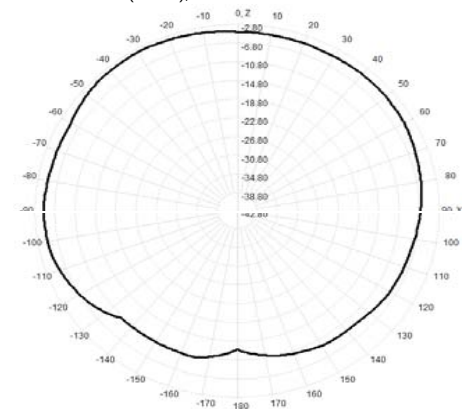
921.0MHz H+V, Eff: 22.6%



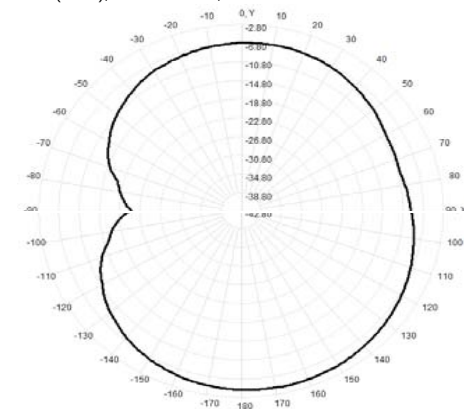
921.0MHz Total(E1-XZ), Max= -2.80dBi



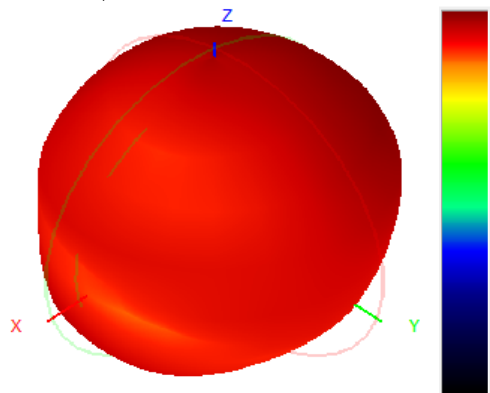
921.0MHz Total(E2-YZ), Max= -3.51dBi



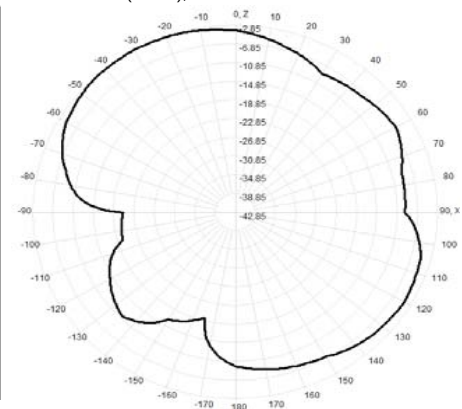
Total(H-XY), Max= -4.44dBi, CirD=16.89



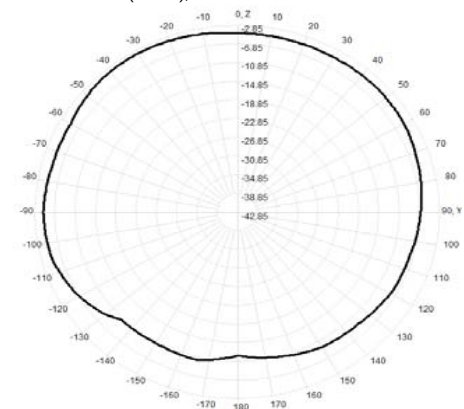
922.0MHz H+V, Eff: 22.4%



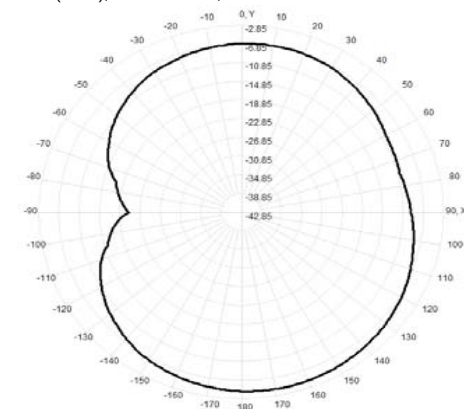
922.0MHz Total(E1-XZ), Max= -2.85dBi



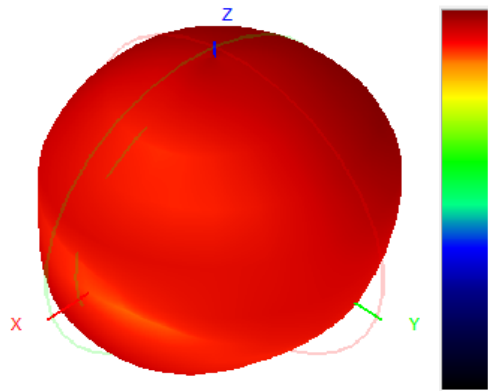
922.0MHz Total(E2-YZ), Max= -3.62dBi



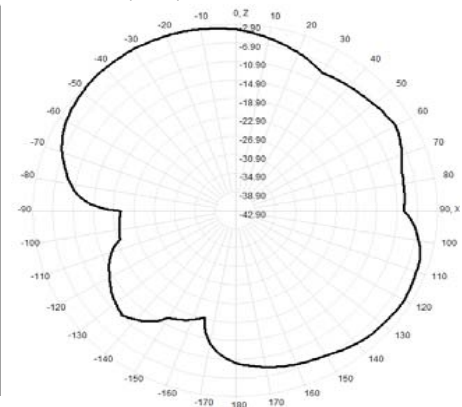
Total(H-XY), Max= -4.46dBi, CirD=16.22



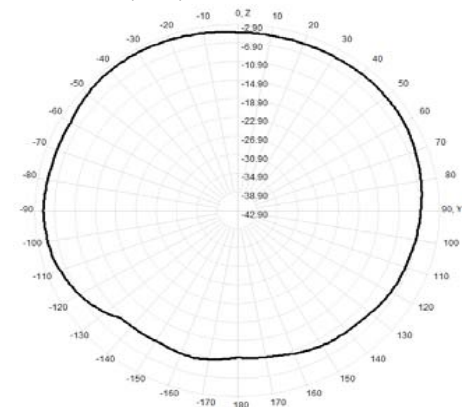
923.0MHz H+V, Eff: 22.2%



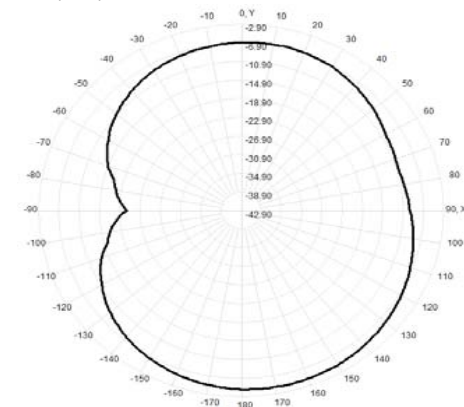
923.0MHz Total(E1-XZ), Max= -2.90dBi



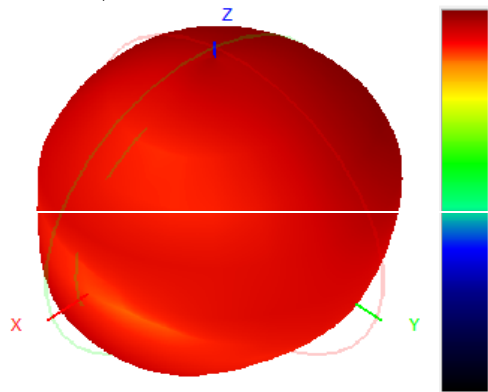
923.0MHz Total(E2-YZ), Max= -3.72dBi



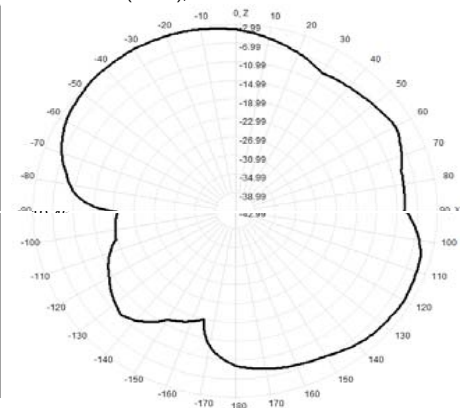
Total(H-XY), Max= -4.55dBi, CirD=15.77



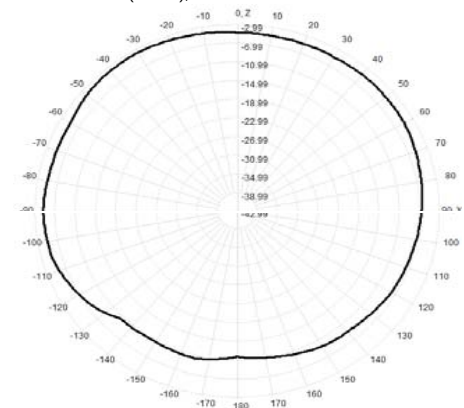
924.0MHz H+V, Eff: 22.0%



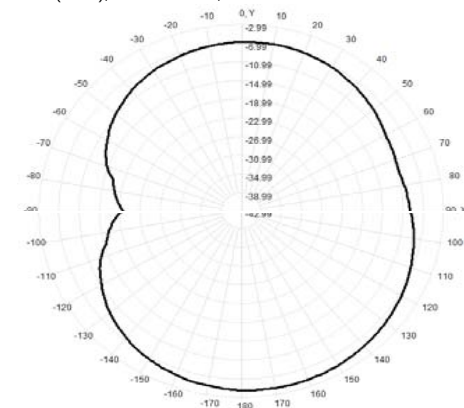
924.0MHz Total(E1-XZ), Max= -2.99dBi



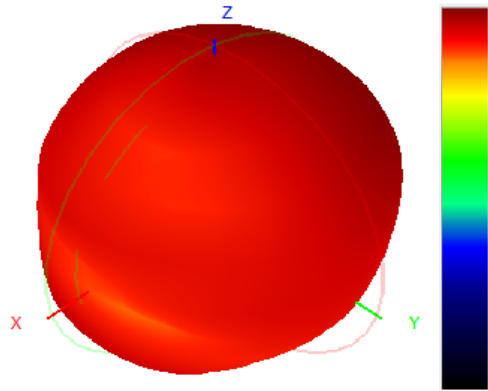
924.0MHz Total(E2-YZ), Max= -3.79dBi



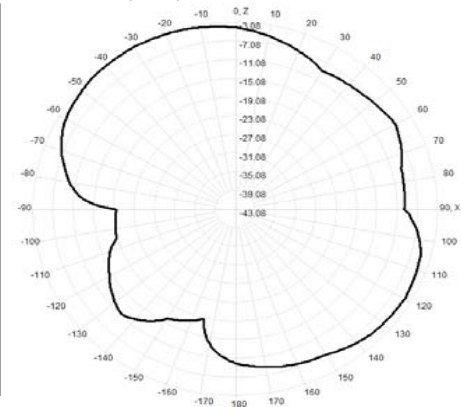
Total(H-XY), Max= -4.55dBi, CirD=15.23



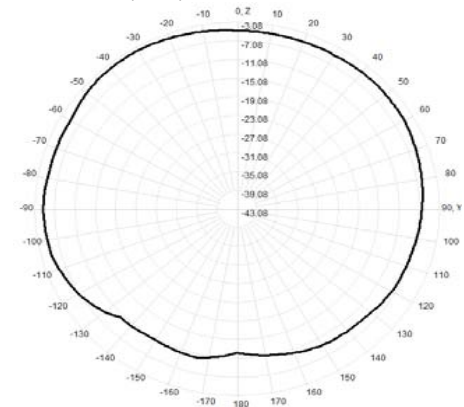
925.0MHz H+V, Eff: 21.6%



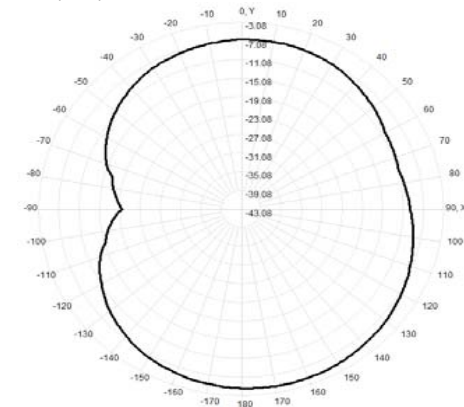
925.0MHz Total(E1-XZ), Max= -3.08dBi



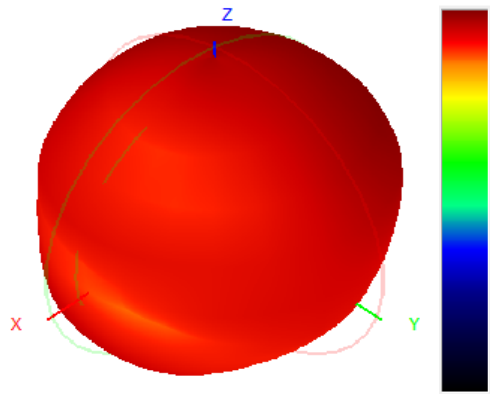
925.0MHz Total(E2-YZ), Max= -3.88dBi



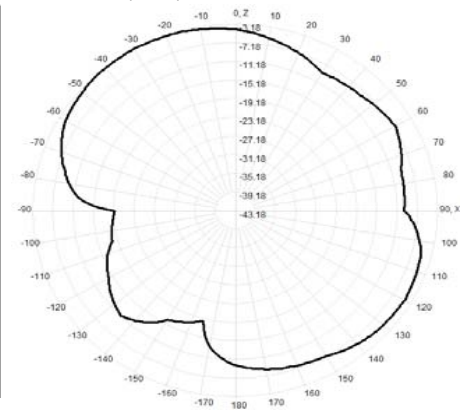
Total(H-XY), Max= -4.64dBi, CirD=14.99



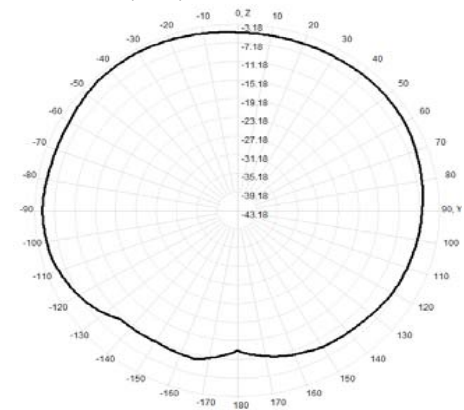
926.0MHz H+V, Eff: 21.4%



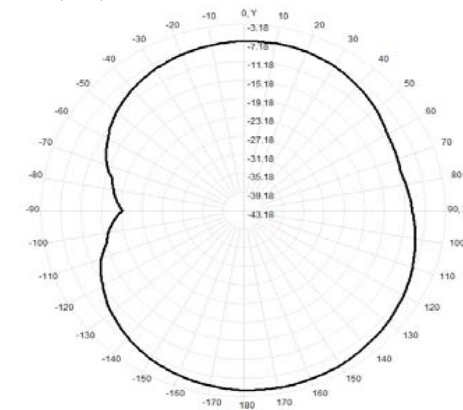
926.0MHz Total(E1-XZ), Max= -3.18dBi



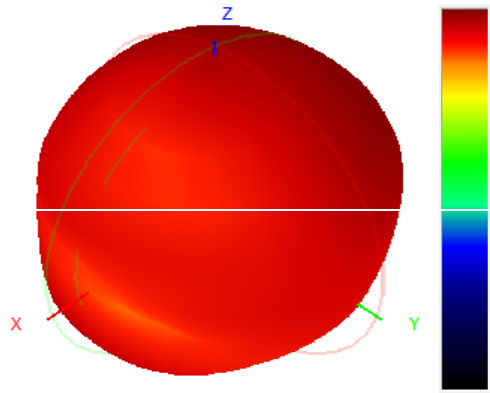
926.0MHz Total(E2-YZ), Max= -3.98dBi



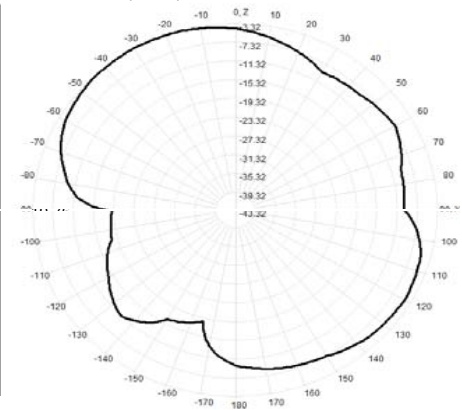
Total(H-XY), Max= -4.68dBi, CirD=14.74



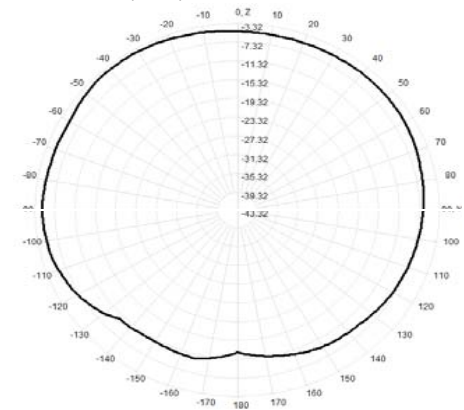
927.0MHz H+V, Eff: 21.0%



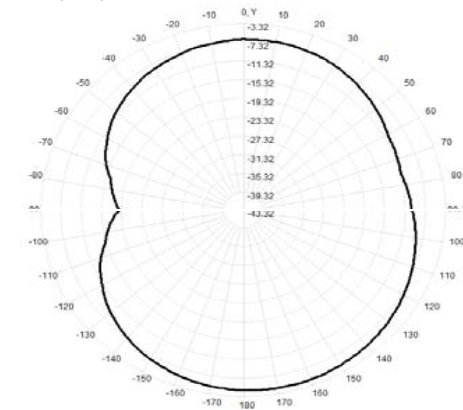
927.0MHz Total(E1-XZ), Max= -3.32dBi



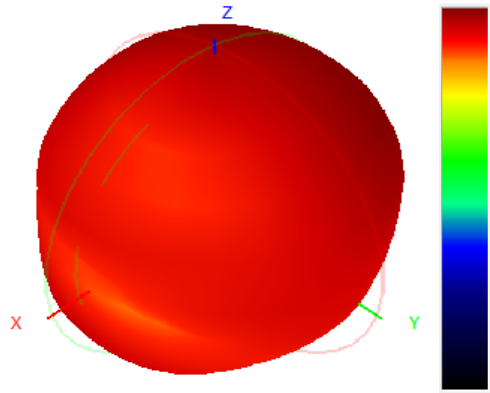
927.0MHz Total(E2-YZ), Max= -4.06dBi



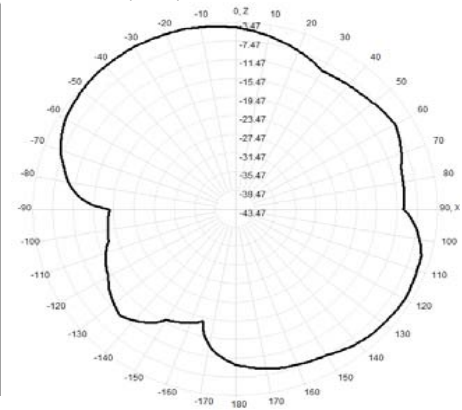
Total(H-XY), Max= -4.69dBi, CirD=14.37



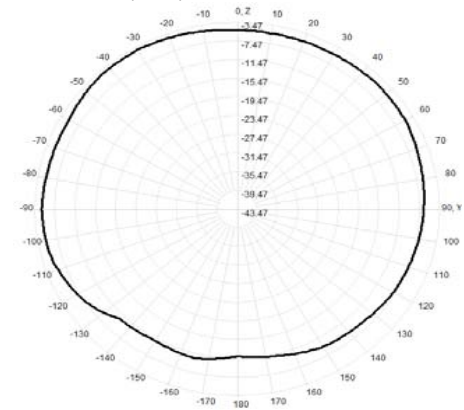
928.0MHz H+V, Eff: 20.6%



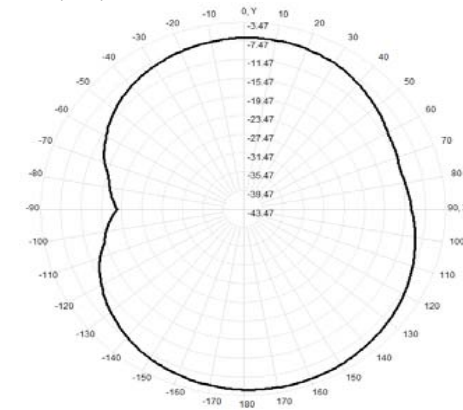
928.0MHz Total(E1-XZ), Max= -3.47dBi

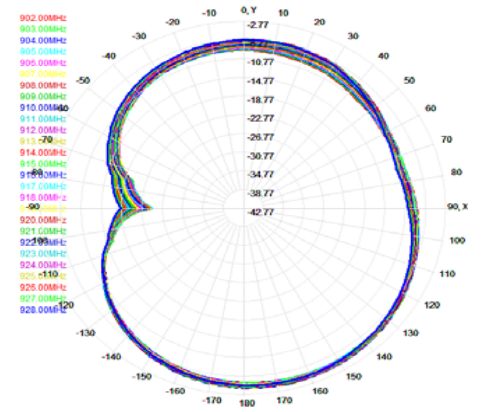
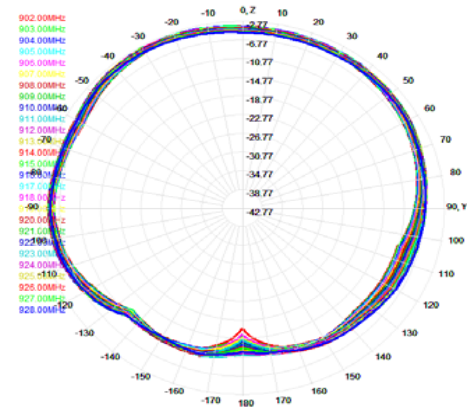
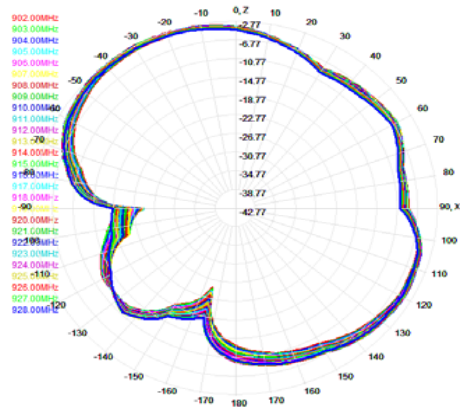


928.0MHz Total(E2-YZ), Max= -4.16dBi



Total(H-XY), Max= -4.77dBi, CirD=13.90





LoRa Antenna

