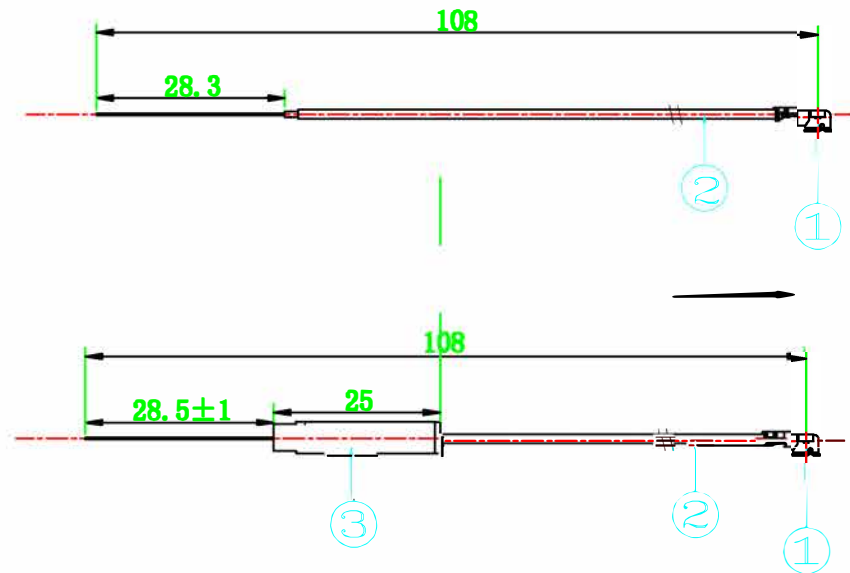


产品名称 Product Type External Antenna
型号 Model Type XSZYRJ5224-108
长度 Longht 108±1mm
最大直径 Max Diameter Ø5.2mm
最小直径 Min diameter Ø1.13±0.5mm
接口 Connector PEX

雷电保护 Lighting protection DC Ground
频率范围 Frequency Range 2.4-2.5GHz
输入阻抗 Impedance 50Ω
驻波比 VSWR 1.5MAX
Temperature -40°C + 90°C

变更号	变更日期	变更人	变更单号	备注
▲				
▲				
▲				

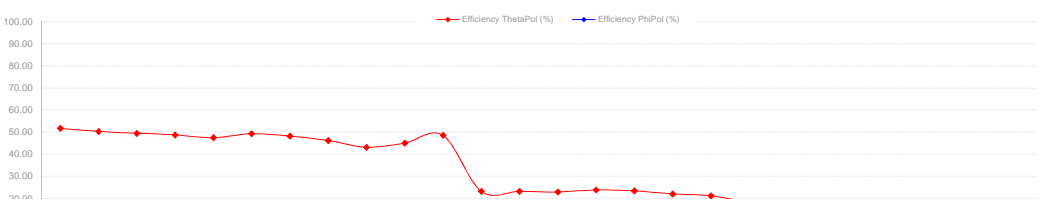
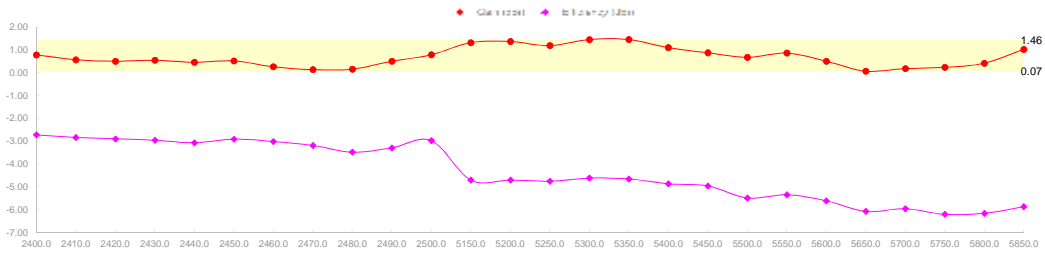
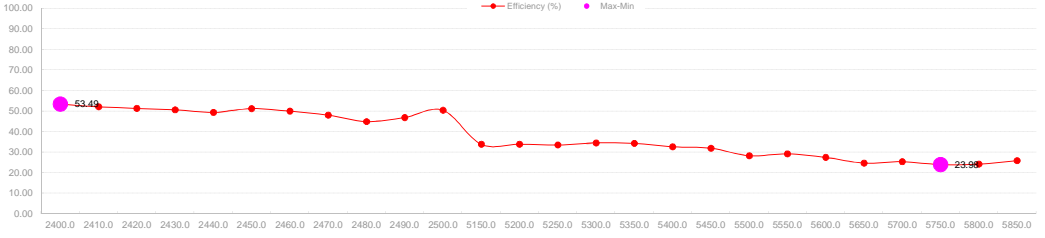


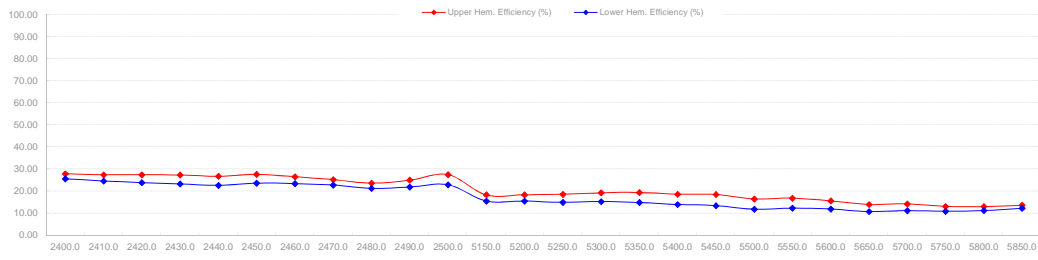
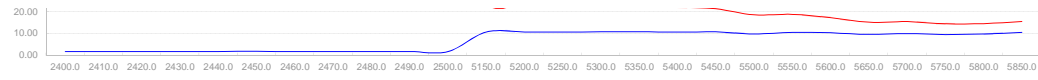
Company Name: Shenzhen Xinsheng Zhiyuan Communication Equipment Co., Ltd.
 Address: 201, Building C (Factory), No. 30 Shibei West Road, Lilian Community, Pingdi Street, Longgang District, Shenzhen

TITLE 品名	MODEL NAME 型号	MATERIAL 材质	APPREVED 审核	CHECKED 校对	DESIGNED 设计	DRAWN 制图	TOLERANCES UNLESS OTHERWISE SPECIFIED 未标注公差指示	1st ANGLE PROJECTION 第一视角	SIZE 尺寸	UNIT 单位	SCALE 比例
	XZYRJ5224-108	材质					0~5 ±0.05	THE PRODUCT MUST ALWAYS BE DRAWN ACCORDING TO THE FIRST ANGLE PROJECTION 产品必须符合「RoTIS指令」	mm	mm	1:1
	JS	硬度				5~10 ±0.08	尺寸公差				
	客户编号	重量				10~50 ±0.10	孔径公差				
	2020031301	表面处理				50~ ±0.15	角度公差				

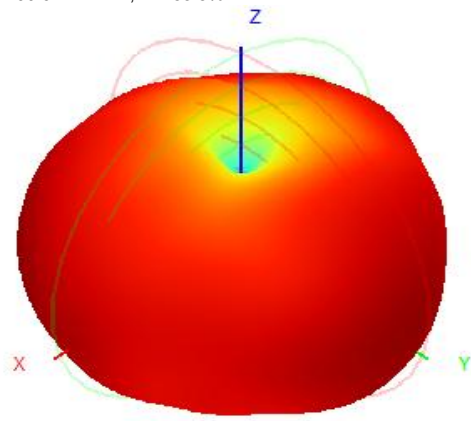


Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0	
Efficiency (dBi)	-2.72	-2.83	-2.89	-2.95	-3.06	-2.91	-3.01	-3.18	-3.47	-3.29	-2.97	-4.70	-4.70	-4.75	-4.61	-4.65	-4.86	-4.96	-5.48	-5.35	-5.61	-6.07	-5.95	-6.20	-6.16	-5.86	
Gain (dBi)	0.78	0.57	0.51	0.55	0.46	0.52	0.26	0.14	0.16	0.51	0.79	1.32	1.37	1.20	1.46	1.46	1.10	0.88	0.68	0.86	0.51	0.07	0.19	0.24	0.42	1.03	
Efficiency (%)	53.49	52.10	51.35	50.66	49.40	51.22	50.01	48.03	44.93	46.87	50.43	33.87	33.90	33.51	34.56	34.29	32.63	31.94	28.30	29.20	27.50	24.71	25.39	23.98	24.23	25.92	
Directivity (dB)	3.50	3.40	3.40	3.50	3.52	3.43	3.27	3.33	3.64	3.80	3.76	6.03	6.07	5.94	6.07	6.10	5.97	5.84	6.16	6.21	6.11	6.14	6.14	6.45	6.58	6.89	
Peak Gain Position (Theta)	92.00	75.00	81.00	79.00	77.00	77.00	77.00	91.00	91.00	91.00	91.00	80.00	146.00	146.00	146.00	146.00	146.00	143.00	32.00	29.00	144.00	145.00	144.00	144.00	144.00	144.00	
Peak Gain Position (Phi)	247.00	227.00	236.00	232.00	228.00	224.00	223.00	292.00	293.00	294.00	295.00	35.00	69.00	67.00	69.00	71.00	69.00	45.00	121.00	117.00	46.00	48.00	49.00	52.00	54.00	59.00	
Efficiency ThetaPol (%)	51.75	50.36	49.52	48.81	47.53	49.30	48.24	46.24	43.16	45.07	48.59	23.21	23.18	22.92	23.80	23.44	22.02	21.19	18.49	18.70	17.18	15.12	15.39	14.43	14.48	15.44	
Efficiency PhiPol (%)	1.74	1.74	1.83	1.85	1.87	1.92	1.77	1.79	1.77	1.80	1.83	10.66	10.71	10.60	10.76	10.85	10.61	10.76	9.81	10.50	10.32	9.59	10.00	9.55	9.75	10.49	
Upper Hem. Efficiency (%)	27.91	27.45	27.44	27.34	26.75	27.60	26.56	25.25	23.65	24.98	27.52	18.32	18.38	18.57	19.27	19.42	18.63	18.46	16.47	16.86	15.60	13.95	14.23	13.09	13.03	13.62	
Lower Hem. Efficiency (%)	25.59	24.65	23.91	23.32	22.65	23.62	23.45	22.78	21.29	21.89	22.90	15.55	15.52	14.94	15.29	14.87	14.00	13.48	11.83	12.34	11.90	10.76	11.16	10.89	11.20	12.30	
T90(H)	4.78	4.81	4.98	5.34	5.48	5.28	5.07	5.21	5.76	6.03	6.15	18.83	17.14	15.65	15.15	13.73	12.95	14.20	15.41	12.93	12.32	10.90	10.88	11.99	11.43	11.45	
Gain 15deg (dBi)																											
E1(XZ)	69.00	71.00	71.00	71.00	70.00	73.00	75.00	76.00	76.00	76.00	76.00	50.00	58.00	24.00	23.00	23.00	22.00	23.00	23.00	23.00	44.00	44.00	47.00	36.00	33.00	33.00	
E1(XY)	5.51	5.92	6.12	5.65	5.16	4.98	5.26	5.70	5.73	5.38	5.01	1.67	0.33	2.62	2.39	2.63	2.84	1.84	2.21	1.97	0.35	0.28	1.17	1.22	2.42	2.17	
E2(YZ)	66.00	66.00	67.00	68.00	68.00	68.00	66.00	65.00	64.00	62.00	61.00	33.00	34.00	38.00	32.00	31.00	31.00	30.00	47.00	47.00	43.00	36.00	33.00	32.00	31.00	29.00	
E2(YX)	5.53	5.76	6.27	6.51	6.68	6.72	6.10	5.40	4.87	4.84	5.33	0.00	0.00	0.09	0.17	0.31	0.56	0.92	0.34	0.47	0.29	0.00	0.00	0.06	0.08	0.19	
(P)	15.72	14.97	15.17	13.56	12.54	12.94	13.73	27.28	27.21	28.19	29.25	42.56	4.88	16.44	13.87	12.62	12.96	25.38	13.02	11.15	31.43	24.68	20.43	17.18	16.45	14.13	
(P)	64.23	58.47	60.21	57.12	56.58	59.00	69.98	80.38	63.08	68.34	57.59	75.02	68.18	55.71	64.91	73.12	82.01	71.60	49.03	48.32	51.85	48.86	53.77	56.91	51.77	50.91	
Hc(XY)	213.00	216.00	214.00	206.00	202.00	204.00	209.00	208.00	202.00	193.00	191.00	38.00	38.00	54.00	53.00	55.00	60.00	42.00	40.00	60.00	56.00	51.00	47.00	47.00	46.00	48.00	
Hc(XY)	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.60	0.57	0.46	0.27	0.24	0.19	0.15	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
(%)	28.24	27.21	27.42	26.75	26.11	27.29	26.33	26.00	24.70	25.83	27.74	18.84	18.06	16.90	17.21	16.86	15.99	15.67	16.24	17.12	13.37	12.28	12.82	12.23	12.44	13.22	
(%)	25.25	24.89	23.94	23.91	23.29	23.93	23.68	22.03	20.24	21.04	22.69	15.03	15.84	16.62	17.35	17.43	16.64	16.27	12.05	12.08	14.13	12.43	12.56	11.75	11.79	12.71	
Empty																											

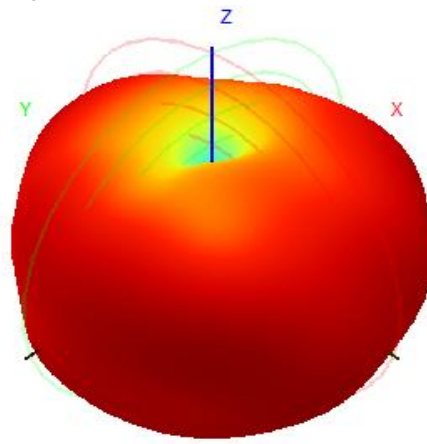




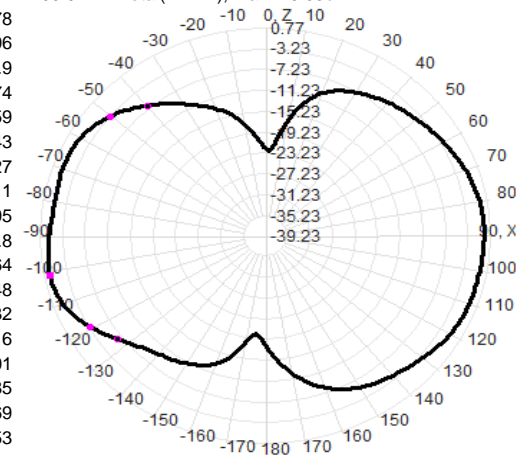
2400.0MHz H+V, Eff: 53.5%



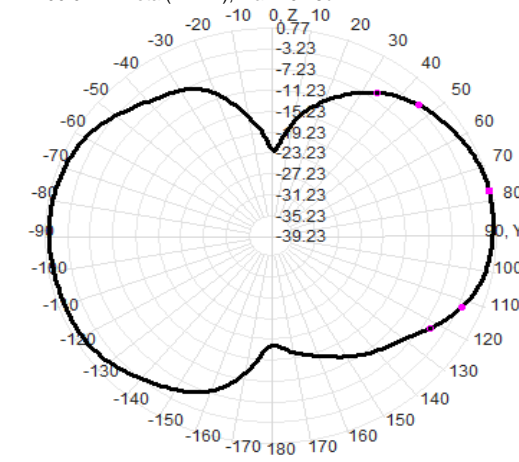
Back View



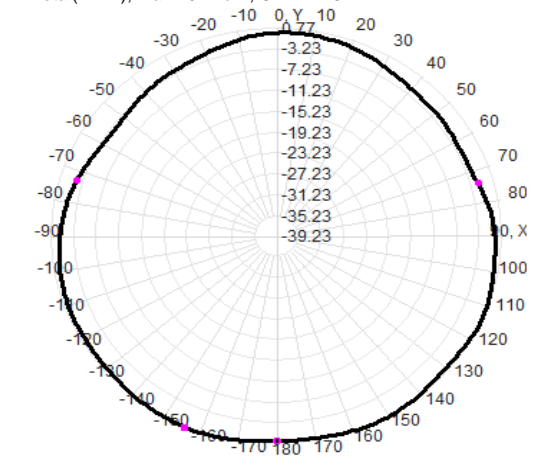
2400.0MHz Total(E1-XZ), Max= -0.33dBi



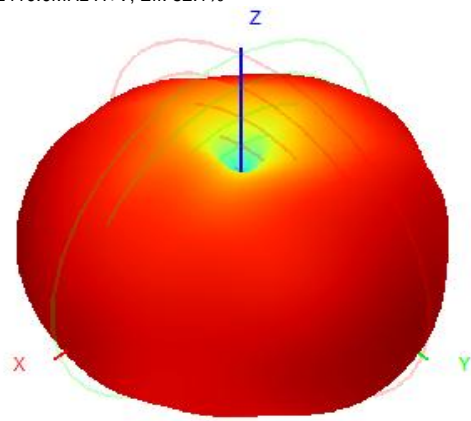
2400.0MHz Total(E2-YZ), Max= 0.18dBi



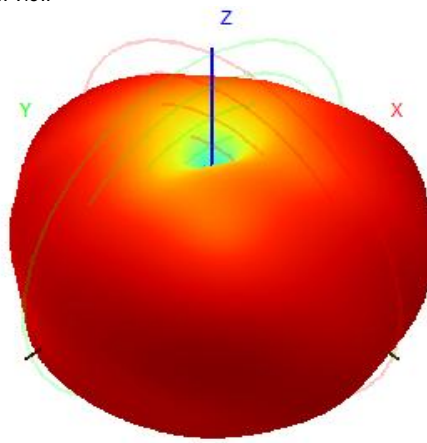
Total(H-XY), Max= 0.77dBi, CirD=4.78



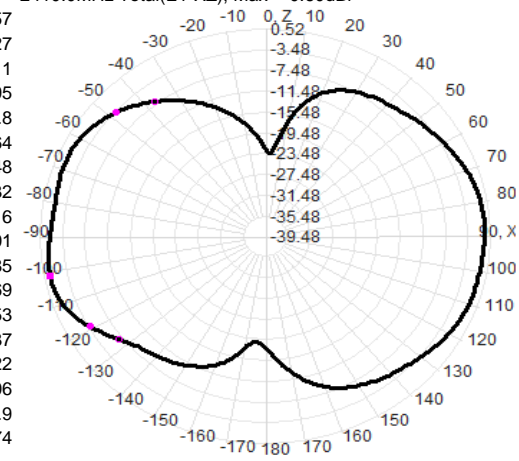
2410.0MHz H+V, Eff: 52.1%



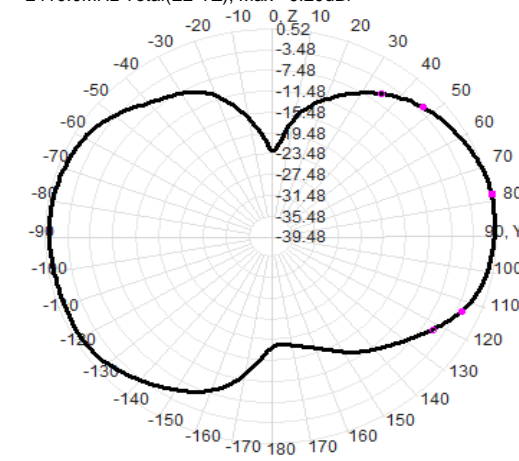
Back View



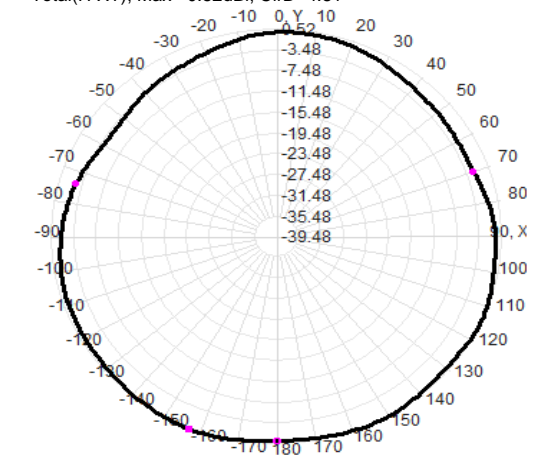
2410.0MHz Total(E1-XZ), Max= -0.60dBi



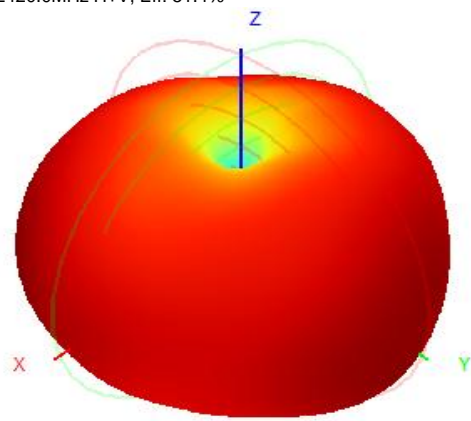
2410.0MHz Total(E2-YZ), Max= 0.20dBi



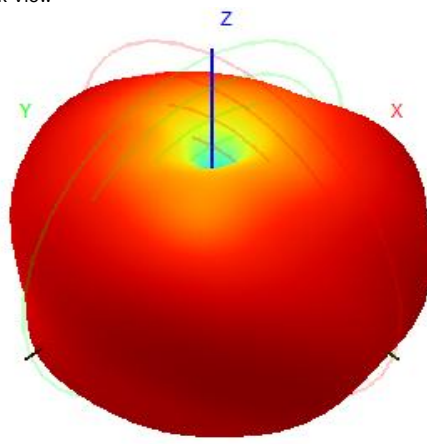
Total(H-XY), Max= 0.52dBi, CirD=4.81



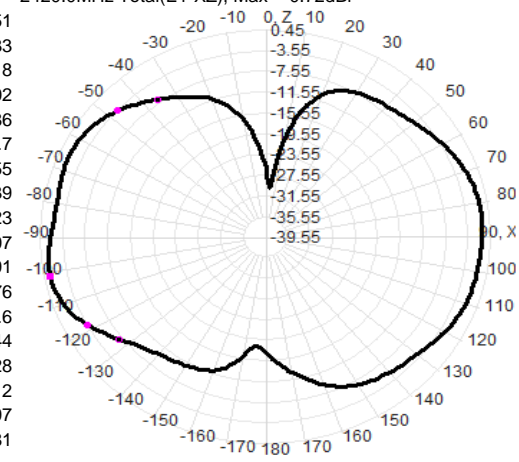
2420.0MHz H+V, Eff: 51.4%



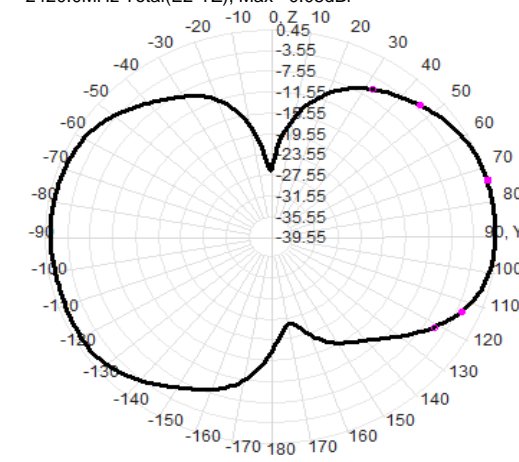
Back View



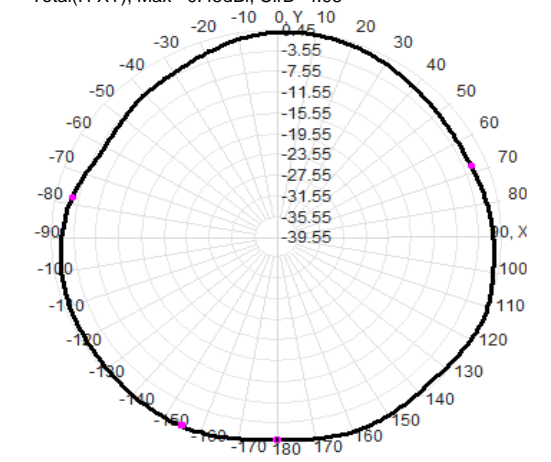
2420.0MHz Total(E1-XZ), Max= -0.72dBi



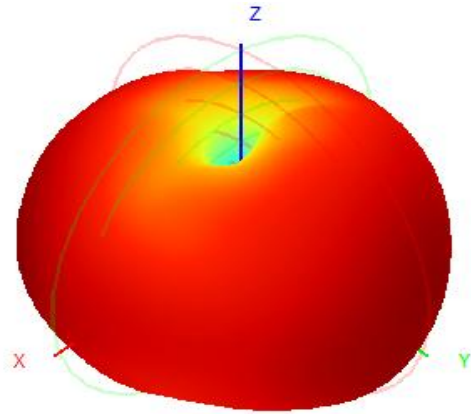
2420.0MHz Total(E2-YZ), Max= 0.08dBi



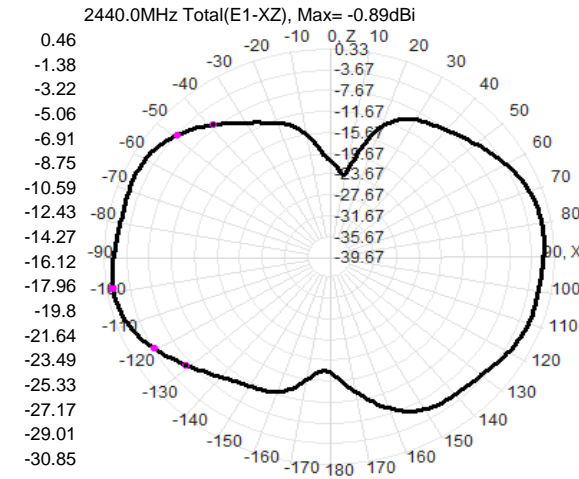
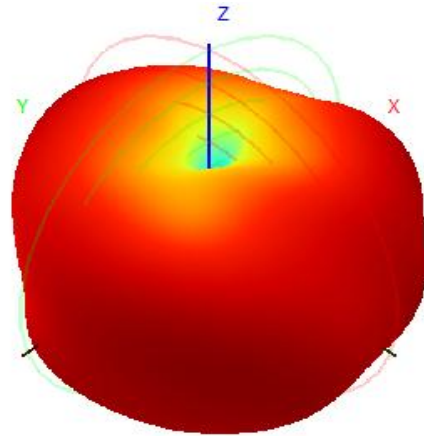
Total(H-XY), Max= 0.45dBi, CirD=4.98



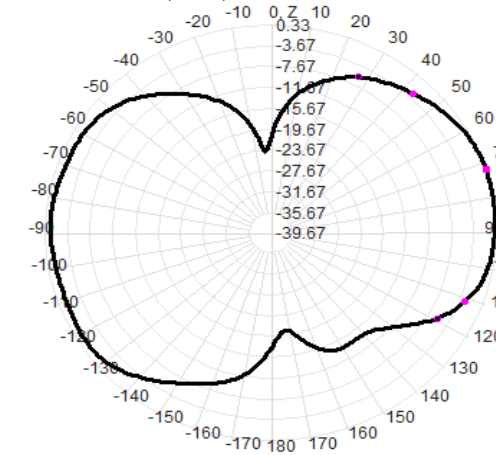
2440.0MHz H+V, Eff: 49.4%



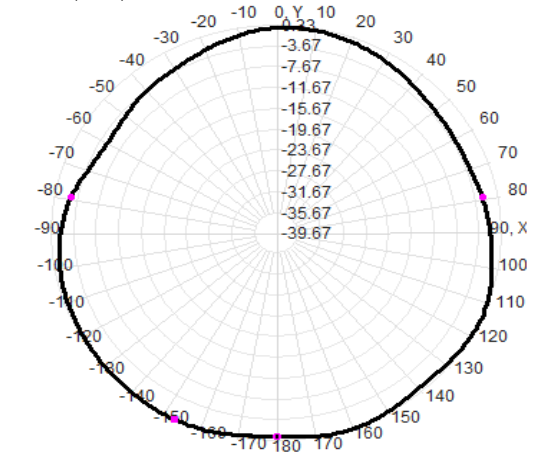
Back View



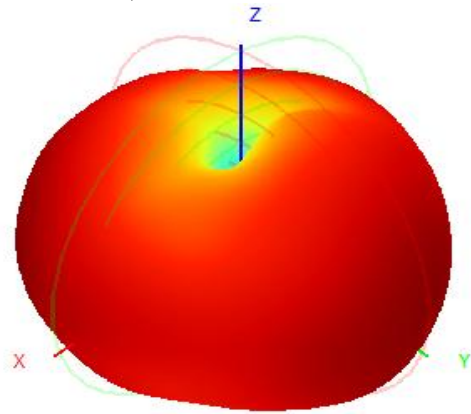
2440.0MHz Total(E2-YZ), Max= 0.13dBi



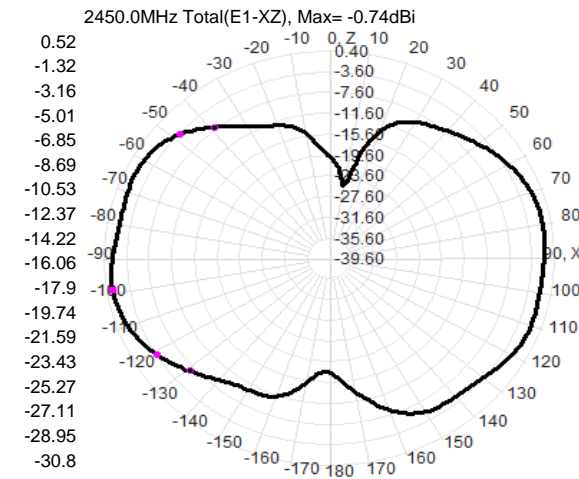
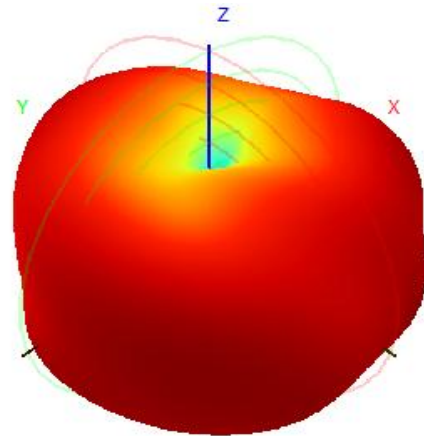
Total(H-XY), Max= 0.33dBi, CirD=5.48



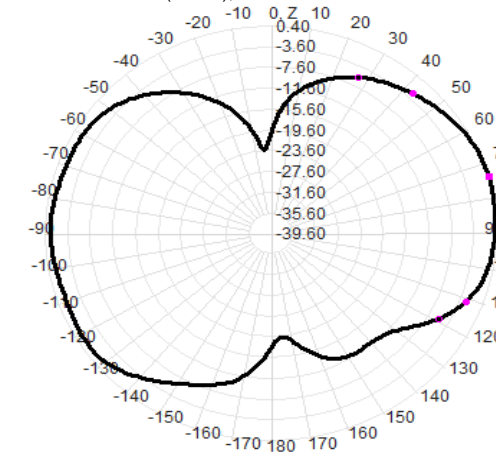
2450.0MHz H+V, Eff: 51.2%



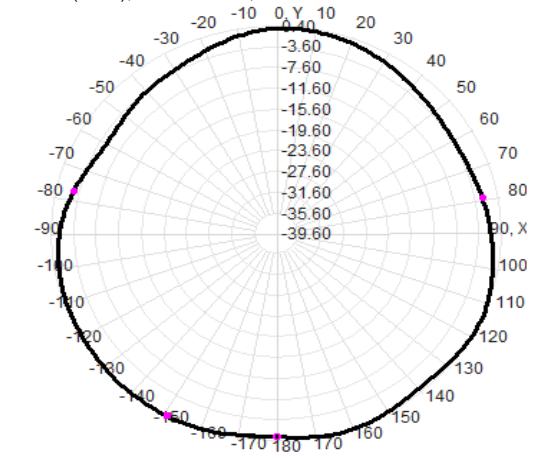
Back View



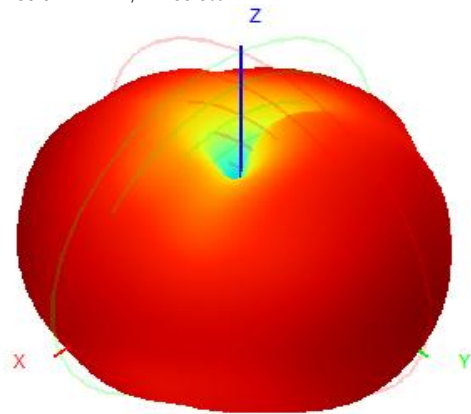
2450.0MHz Total(E2-YZ), Max=-0.32dBi



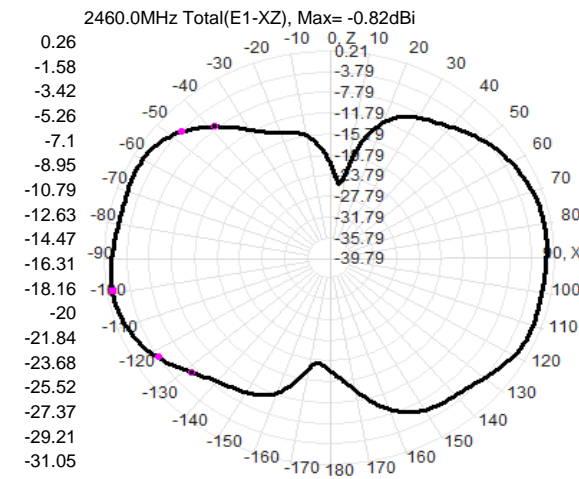
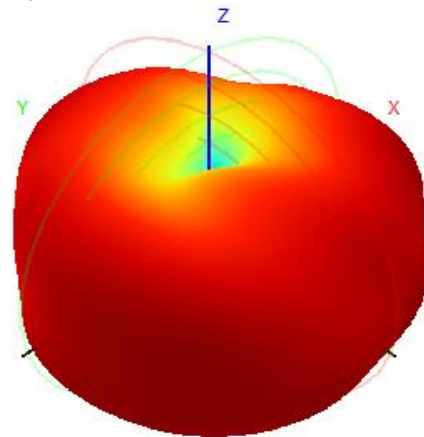
Total(H-XY), Max= 0.40dBi, CirD=5.28



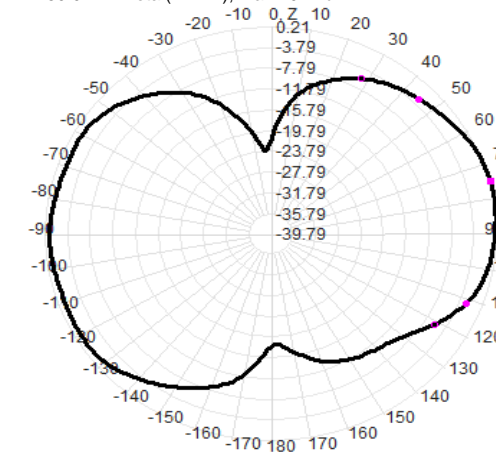
2460.0MHz H+V, Eff: 50.0%



Back View



2460.0MHz Total(E2-YZ), Max= 0.21dBi



Total(H-XY), Max= 0.20dBi, CirD=5.07

