

Antenna Spec.

电性能指标Electrical Specifications	
频率范围Frequency Range (MHz)	2400-2500
输入阻抗Input Impedence (Ω)	50
电压驻波比V.S.W.R	≤ 2.0 (未匹配设备, 仅供参考)
增益Gain (dBi)	3.0 ± 0.5 (未匹配设备, 仅供参考)
极化形式Polarization Type	垂直Vertical
最大功率Maximum power(W)	10W
垂直面波瓣角度Vertical lobe Angle (E)	45~60°
水平面波瓣角度Water plane lobe Angle (H)	360°
机械指标Mechanical Specifications	
天线材质Material	FPC
连接器型号Connect Type	IPEX(1代)
天线尺寸Size	18.5*40*0.4MM
工作温度Operating Temp	-20 ~ +65 °C
储存温度Storage Temp	-30 ~ +75°C

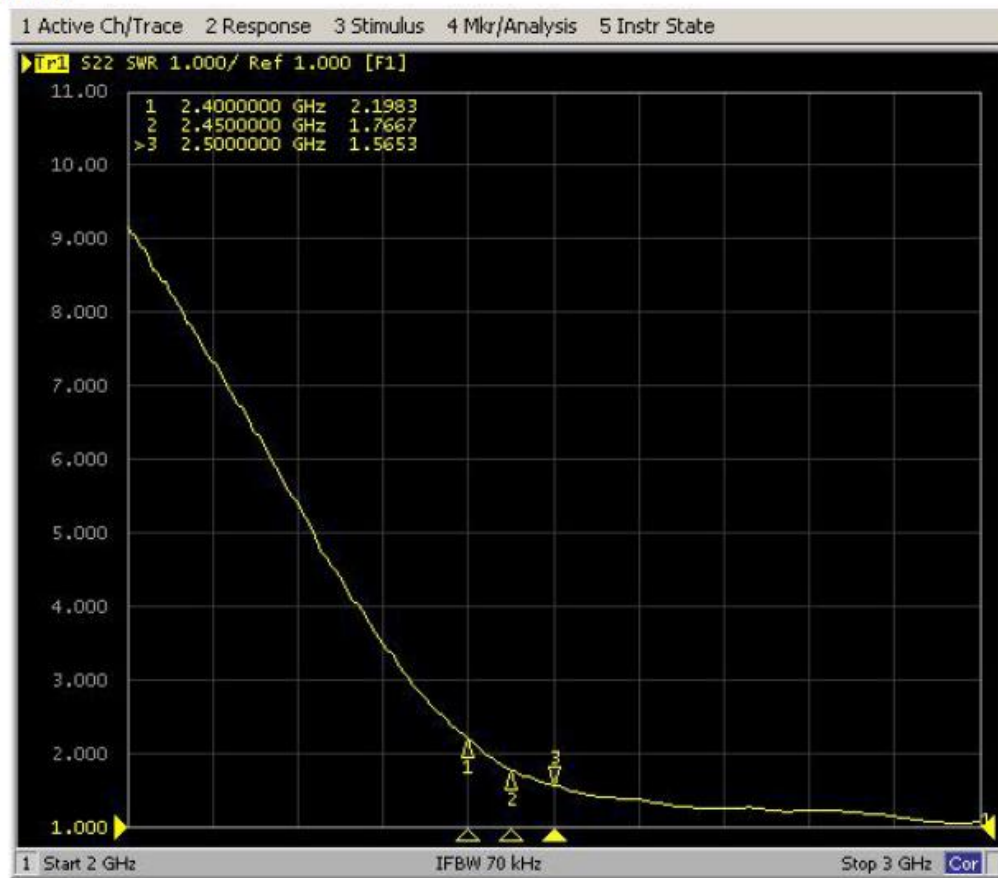


18.5*40*0.4MM

1.13 线 L=120MM(1 代端子)

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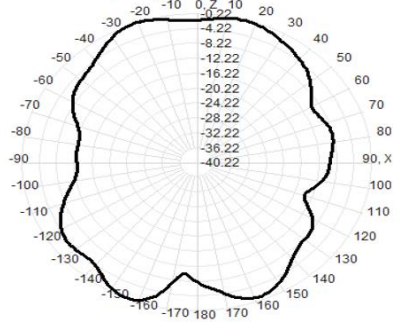
VSWR:



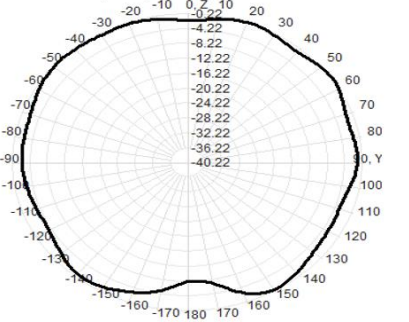
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Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-3.26	-3.20	-3.20	-3.23	-3.23	-3.19	-3.24	-3.11	-2.83	-2.58	-2.20
Gain (dBi)	0.21	0.07	0.14	0.23	0.46	0.86	1.20	1.54	1.81	1.95	2.14
Efficiency (%)	47.21	47.90	47.85	47.52	47.57	47.94	47.44	48.89	52.10	55.19	60.25
Directivity (dB)	3.47	3.26	3.34	3.46	3.69	4.05	4.43	4.65	4.65	4.53	4.34
Peak Gain Position (Theta)	21.00	53.00	50.00	48.00	25.00	21.00	19.00	19.00	20.00	21.00	22.00
Peak Gain Position (Phi)	312.00	282.00	280.00	280.00	290.00	308.00	315.00	315.00	311.00	306.00	302.00
Efficiency ThetaPol (%)	13.64	13.81	13.75	13.60	13.54	13.51	13.14	13.29	14.06	14.99	16.50
Efficiency PhiPol (%)	33.57	34.09	34.10	33.92	34.03	34.43	34.30	35.60	38.04	40.20	43.74
Upper Hem. Efficiency (%)	26.21	26.59	26.61	26.54	26.57	26.67	26.20	26.90	28.50	30.36	33.46
Lower Hem. Efficiency (%)	21.00	21.31	21.24	20.99	21.00	21.28	21.23	21.99	23.60	24.83	26.79
T90(H)圆度	11.41	11.42	11.64	12.00	12.14	11.94	11.52	10.75	10.80	10.67	10.31
Gain 15deg (dBi)											
E1(XZ)波瓣宽度	74.00	82.00	86.00	88.00	85.00	78.00	60.00	57.00	58.00	61.00	66.00
E1(XZ)前后比	0.25	0.16	0.14	0.19	0.33	0.67	1.07	1.32	1.30	1.20	1.08
E2(YZ)波瓣宽度	208.00	209.00	202.00	179.00	172.00	170.00	149.00	151.00	154.00	158.00	161.00
E2(YZ)前后比	0.66	0.74	0.86	0.93	1.16	1.40	1.64	1.74	1.55	1.48	1.36
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度最差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波瓣宽度	106.00	105.00	105.00	105.00	106.00	107.00	107.00	108.00	109.00	108.00	107.00
Hc(XY)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.23

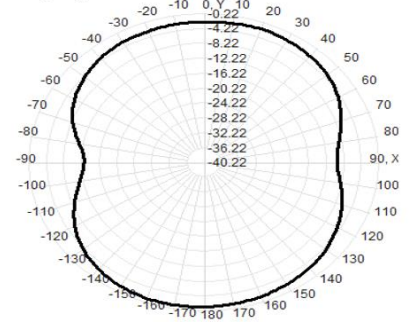
2400.0MHz Total(E1-XZ), Max= -0.27dBi



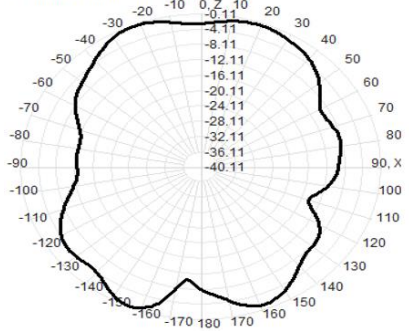
2400.0MHz Total(E2-YZ), Max= -0.22dBi



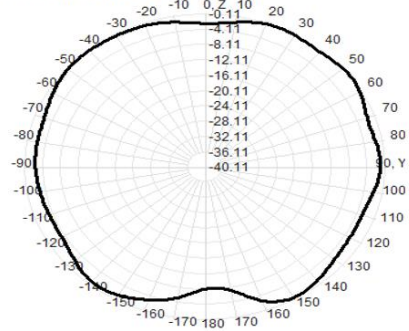
Total(H-XY), Max= -1.45dBi, CirD=11.41



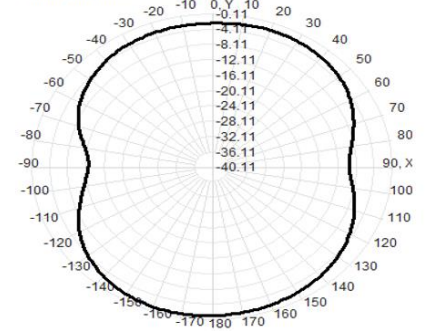
2410.0MHz Total(E1-XZ), Max= -0.46dBi



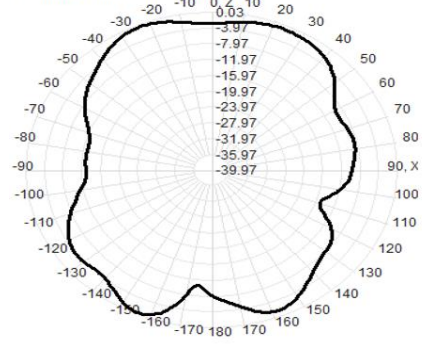
2410.0MHz Total(E2-YZ), Max= -0.11dBi



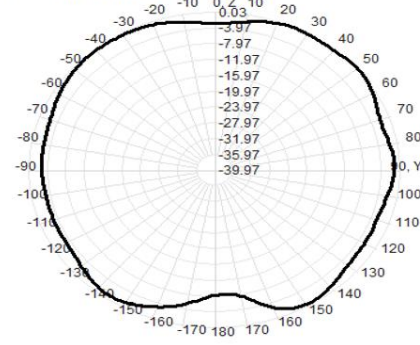
Total(H-XY), Max= -1.30dBi, CirD=11.42



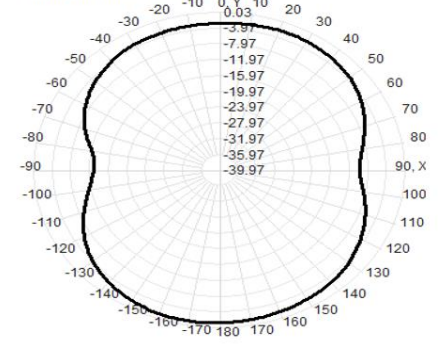
2420.0MHz Total(E1-XZ), Max=-0.57dBi



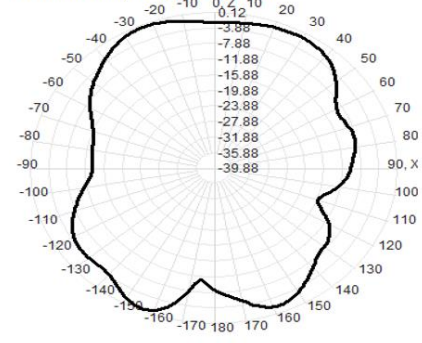
2420.0MHz Total(E2-YZ), Max=0.03dBi



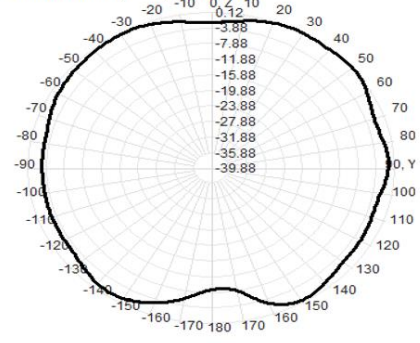
Total(H-XY), Max=-1.37dBi, CirD=11.64



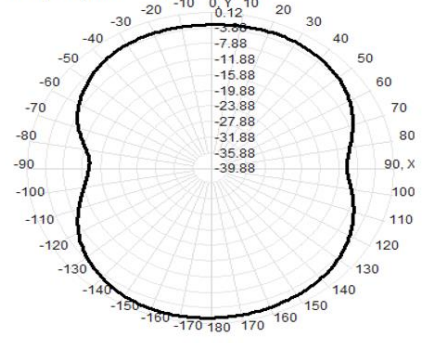
2430.0MHz Total(E1-XZ), Max=-0.54dBi



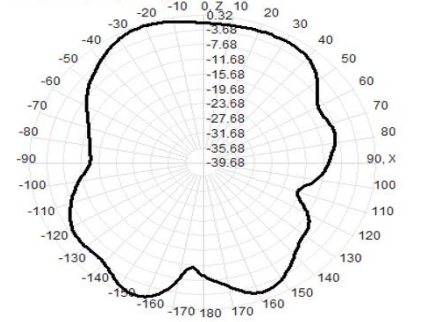
2430.0MHz Total(E2-YZ), Max=0.12dBi



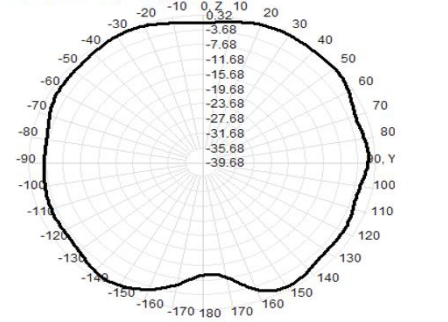
Total(H-XY), Max=-1.47dBi, CirD=12.00



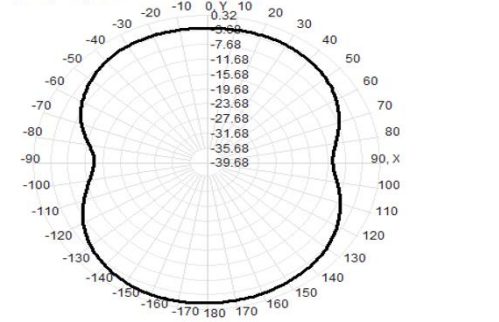
2440.0MHz Total(E1-XZ), Max=-0.26dBi



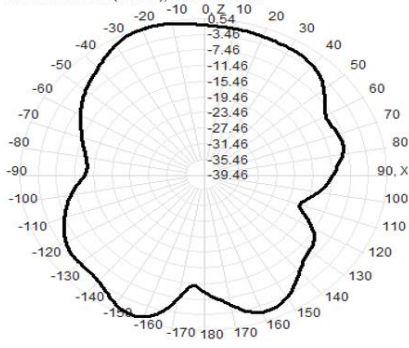
2440.0MHz Total(E2-YZ), Max=0.32dBi



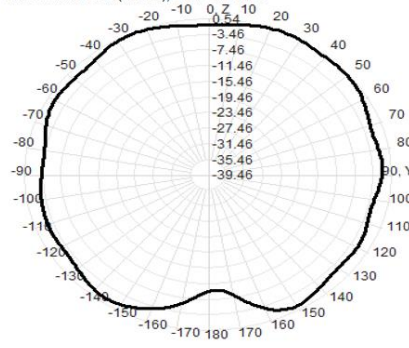
Total(H-XY), Max=-1.58dBi, CirD=12.14



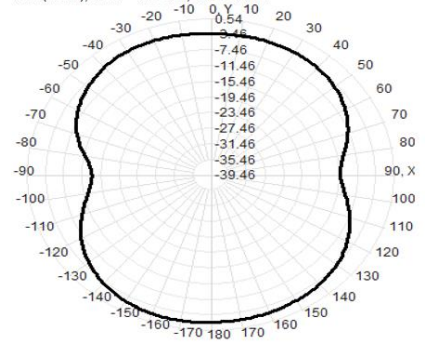
2450.0MHz Total(E1-XZ), Max= 0.24dBi



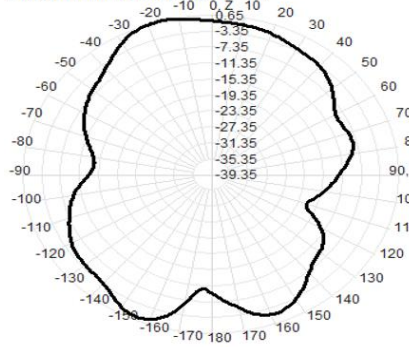
2450.0MHz Total(E2-YZ), Max= 0.54dBi



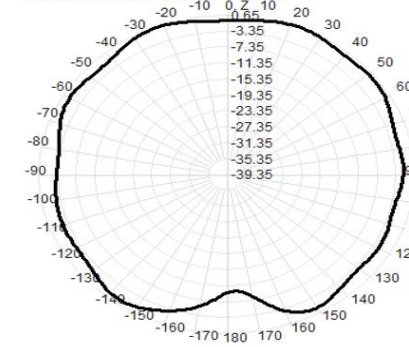
Total(H-XY), Max= -1.67dBi, CirD=11.94



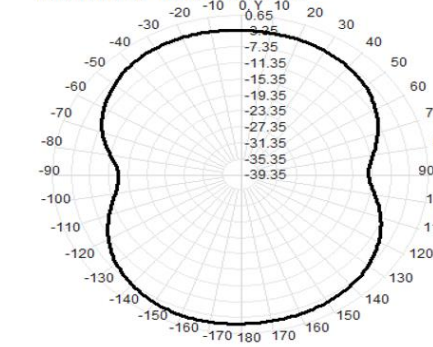
2460.0MHz Total(E1-XZ), Max= 0.64dBi



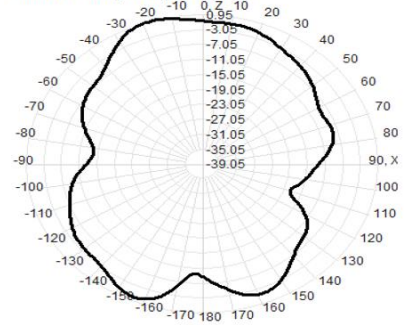
2460.0MHz Total(E2-YZ), Max= 0.65dBi



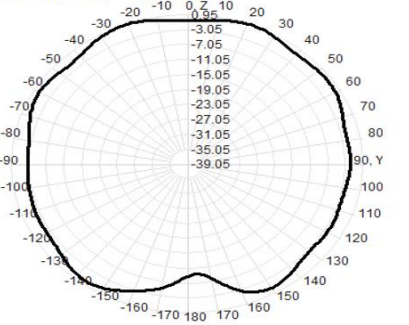
Total(H-XY), Max= -1.90dBi, CirD=11.52



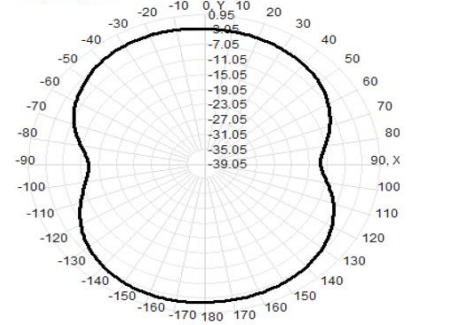
2470.0MHz Total(E1-XZ), Max= 0.95dBi



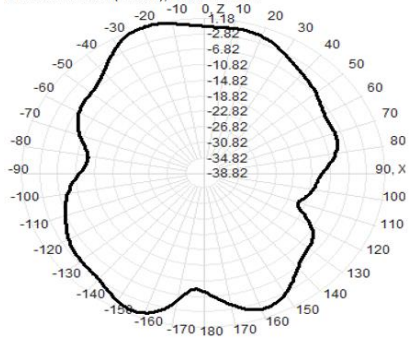
2470.0MHz Total(E2-YZ), Max= 0.90dBi



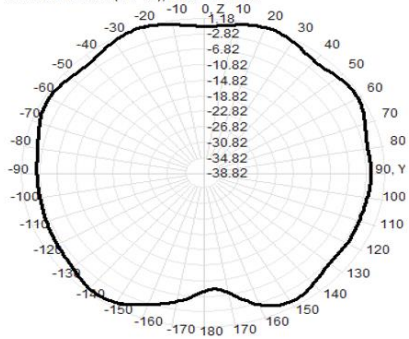
Total(H-XY), Max= -2.02dBi, CirD=10.75



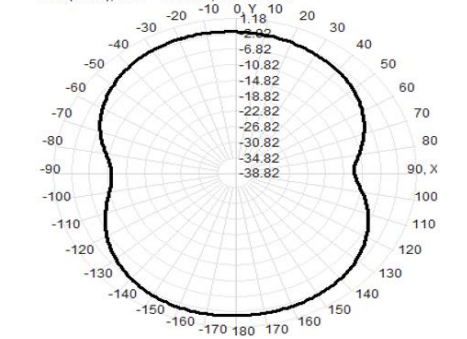
2480.0MHz Total(E1-XZ), Max= 1.14dBi



2480.0MHz Total(E2-YZ), Max= 1.18dBi



Total(H-XY), Max= -1.99dBi, CirD=10.80



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