Specification Data

Manufacturer:Shanghai Manxuan Electronics Co., Ltd

Address:Room J2651, No. 6, Lane 129, Huajiang Road, Jiading District, Shanghai

规格描述： 2.4G Large folding antenna L=195MMSMA(gold plated) inner needle

制作日期： 2023 年 03 月 09 日

出厂确认：

部 门	审 核	批 准
射频部	刘景雄	李斌
结构部	谢东展	李斌
品质部	王飞	李斌

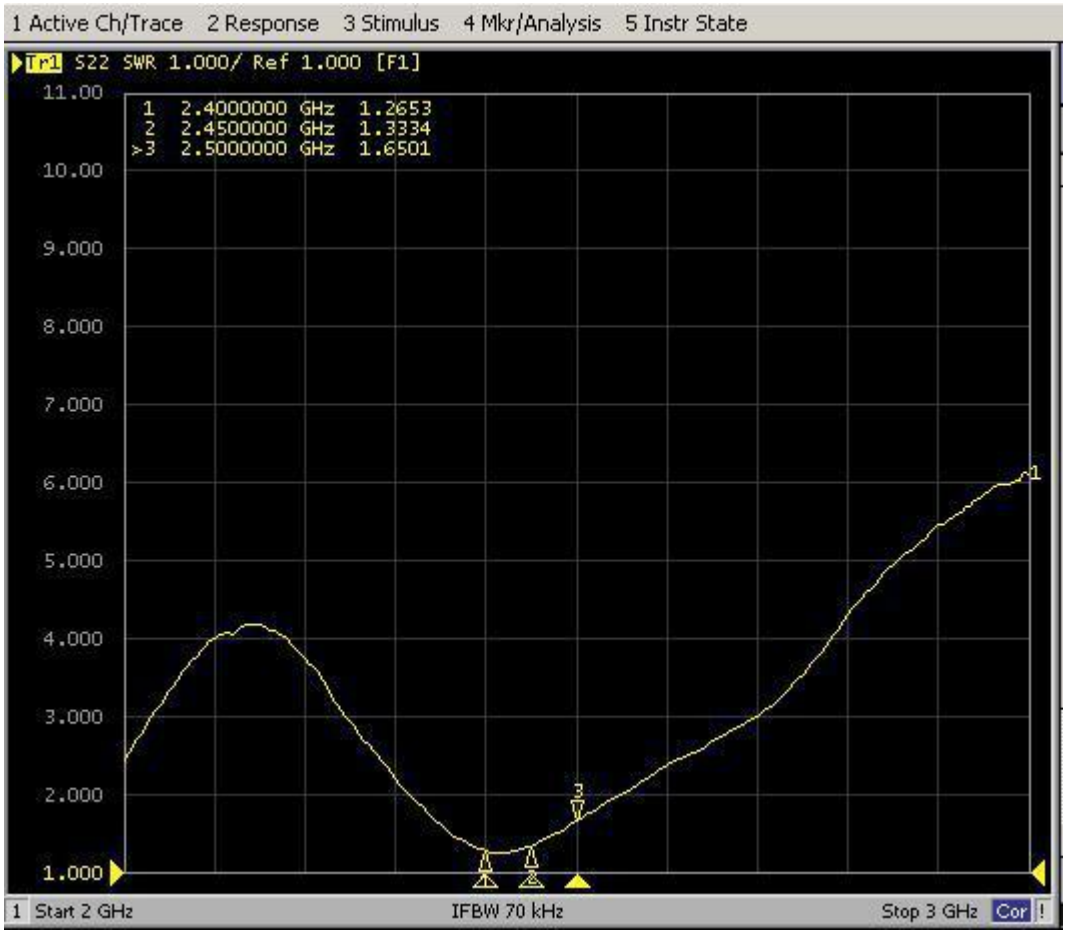
客户确认：

检 查	审 核	批 准

1.产品图片

2. 电气性能测试报告：

VSWR：

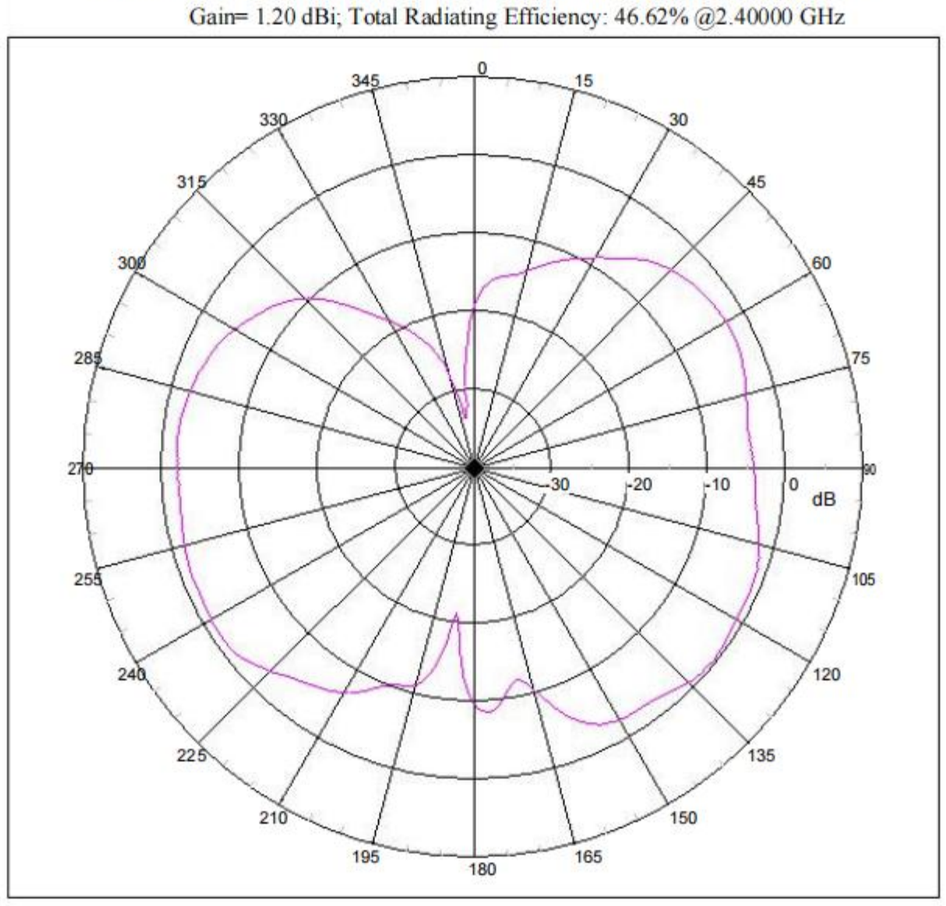


3. 产品性能参数：

电性能指标Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500
输入阻抗 Input Impendence (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	
连接器型号 Connect Type	公头内针 SMA
电缆型号 Cable Type	/
天线尺寸 Size	195*Φ13MM
工作温度 Operating Temp	-20～+65 ˚C
储存温度 Storage Temp	-30～+75˚C

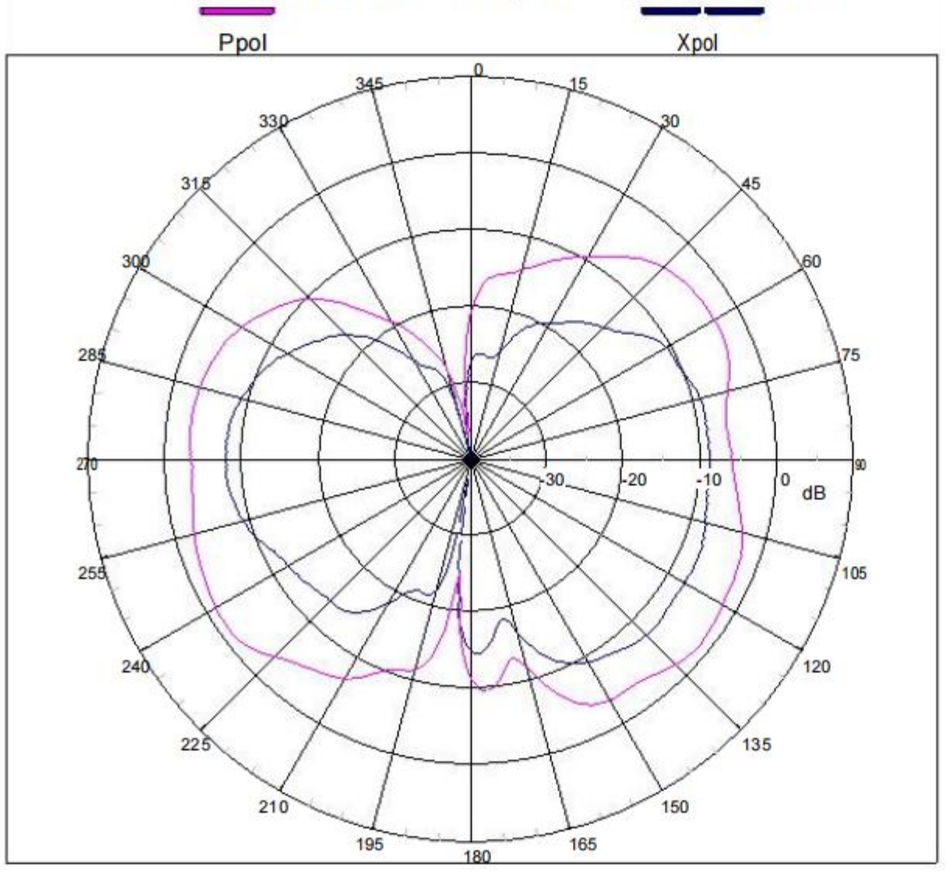
Far-field Power Distribution on X-Z Plane(E-Plane of L3 Pol Sense)

Gain= 1.20 dBi; Total Radiating Efficiency: 46.62% @2.40000 GHz



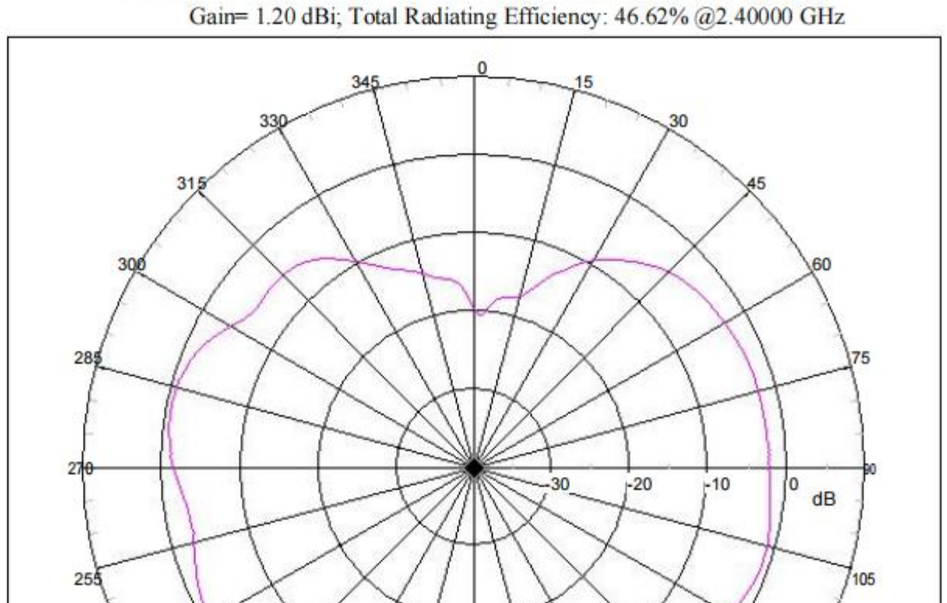
Far-field Pattern @ Phi=0 deg(E-Theta Plane-Cut)

Gain= 0.47 dBi; Co-Pol Efficiency: 44.97% @ Freq: 2.40000 GHz



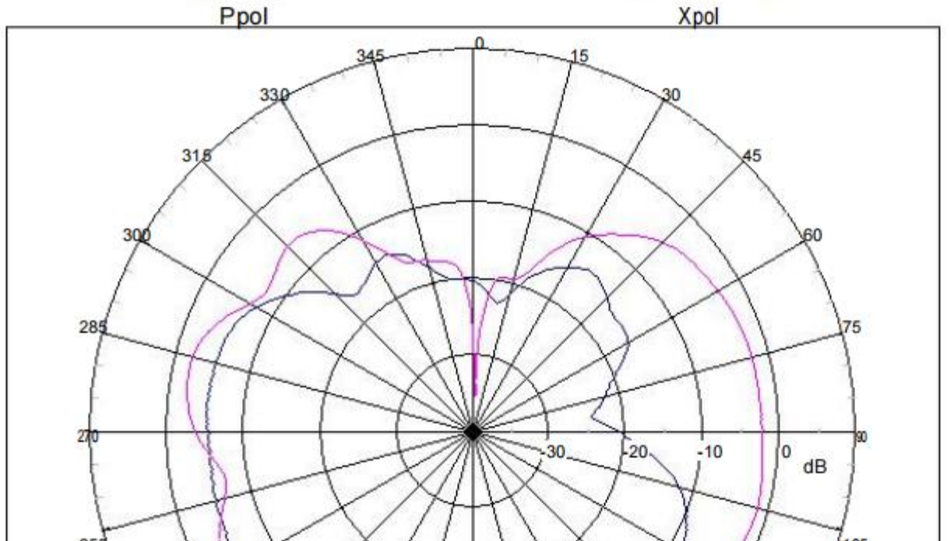
Far-field Power Distribution on Y-Z Plane(H-Plane of L3 Pol Sense)

Gain= 1.20 dBi; Total Radiating Efficiency: 46.62% @2.40000 GHz



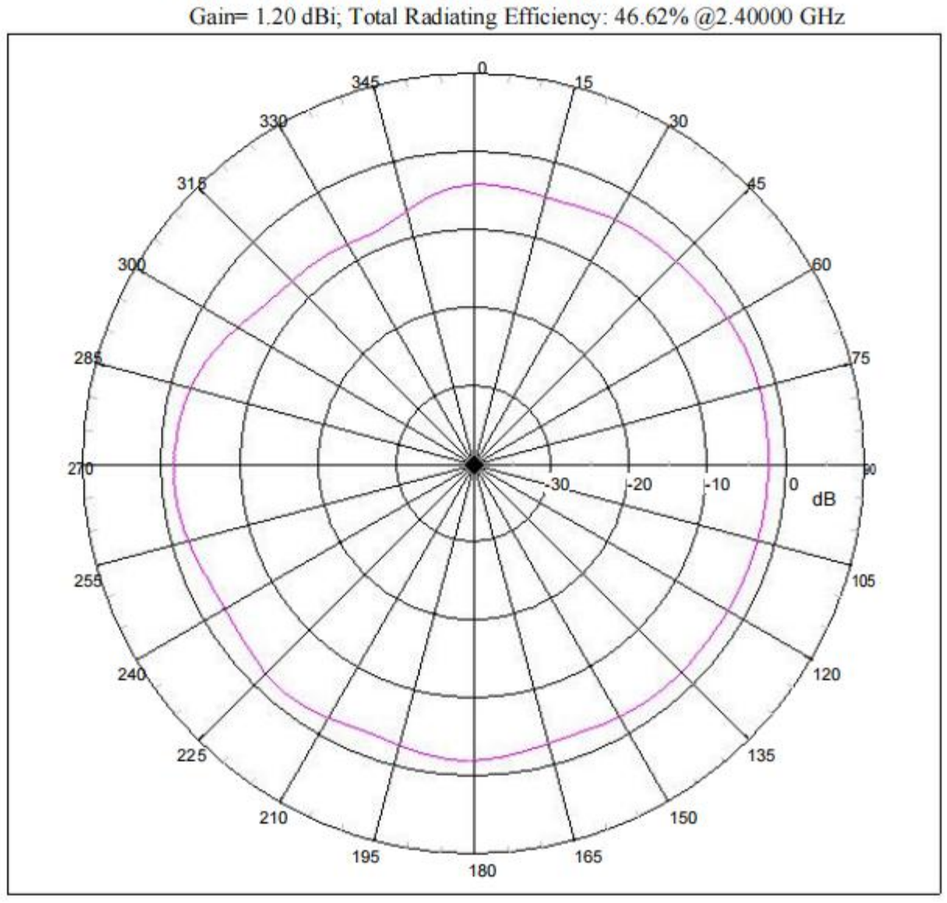
Far-field Pattern @ Phi=90 deg(E-Theta Plane-Cut)

Gain= 0.47 dBi; Co-Pol Efficiency: 44.97% @ Freq: 2.40000 GHz



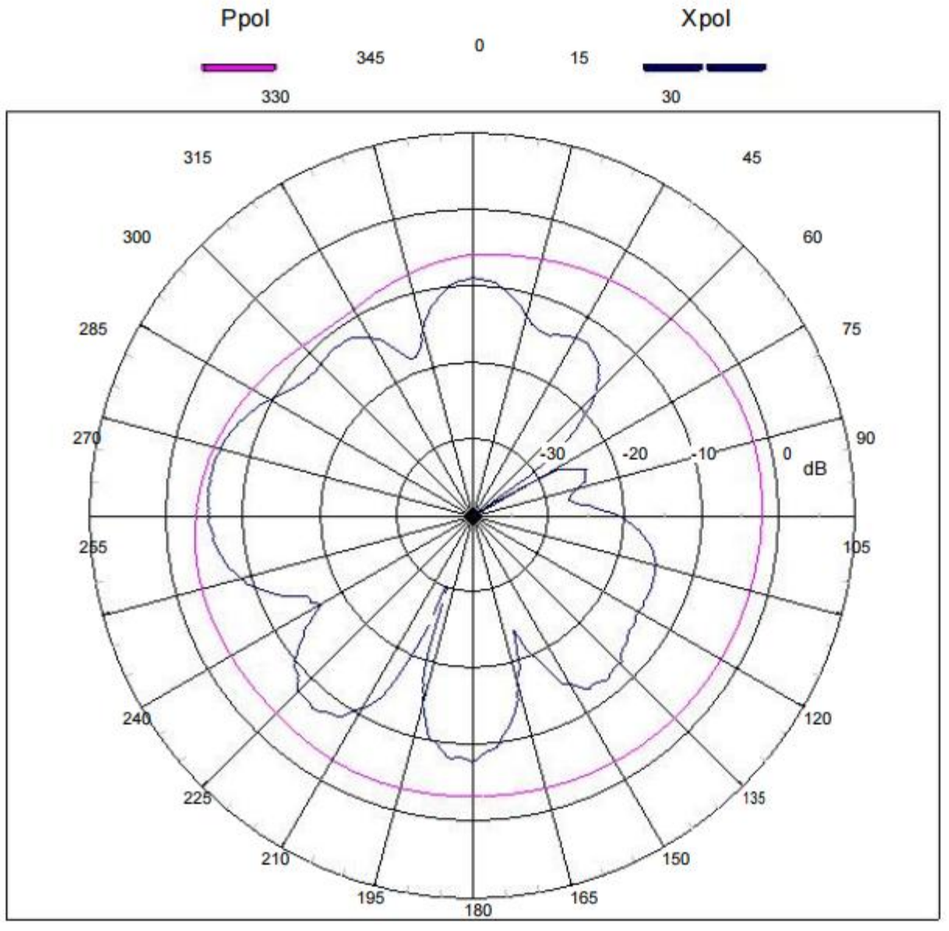
Far-field Power Distribution on X-Y Plane

Gain= 1.20 dBi; Total Radiating Efficiency: 46.62% @2.40000 GHz



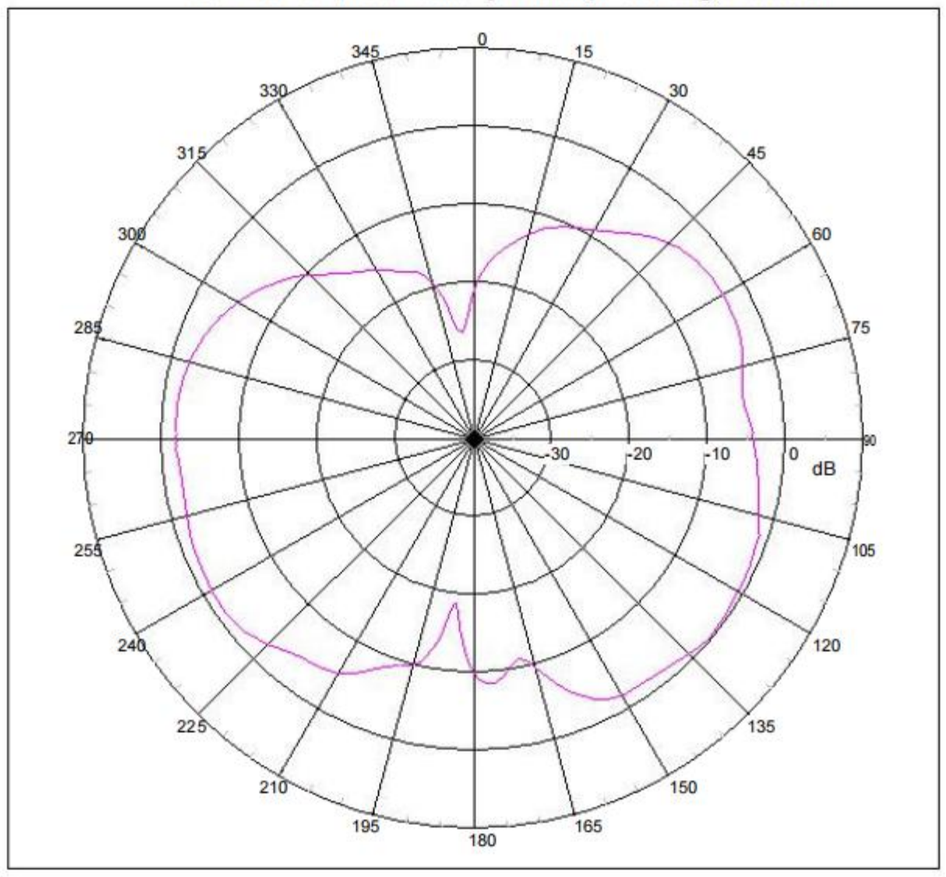
Far-field Pattern @ Theta=90 deg(E-Phi Plane-Cut)

Gain= 0.47 dBi; Co-Pol Efficiency: 44.97% @ Freq: 2.40000 GHz



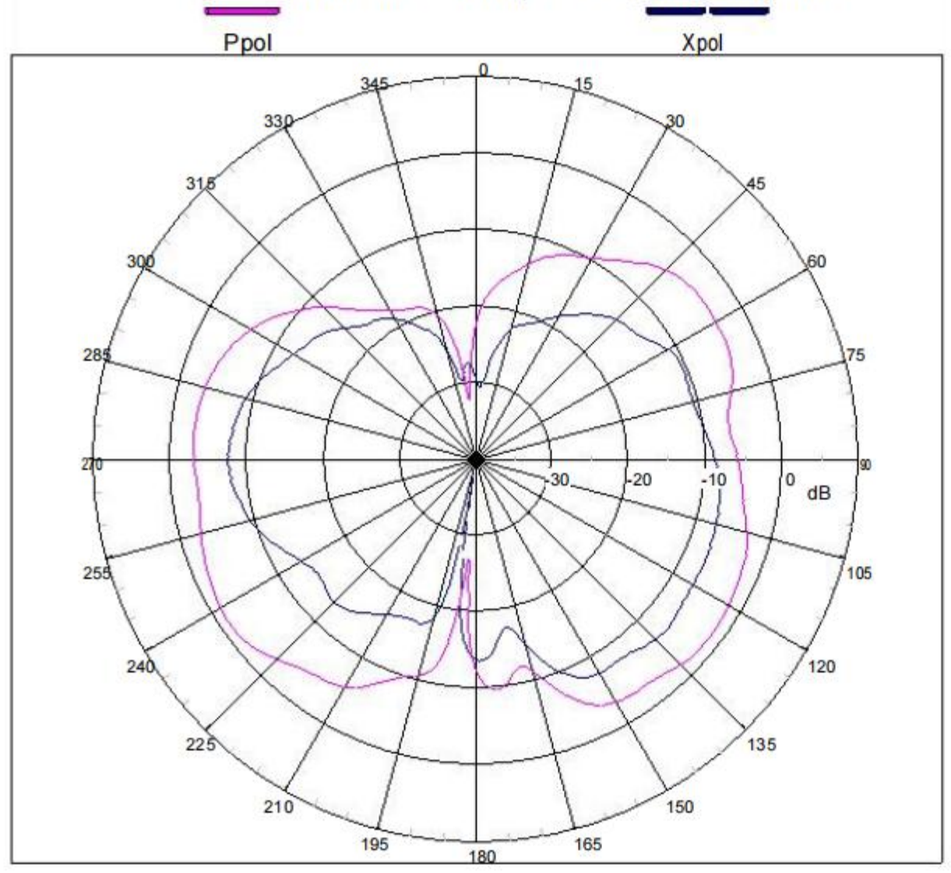
Far-field Power Distribution on X-Z Plane(E-Plane of L3 Pol Sense)

Gain= 0.92 dBi; Total Radiating Efficiency: 46.51% @2.45000 GHz



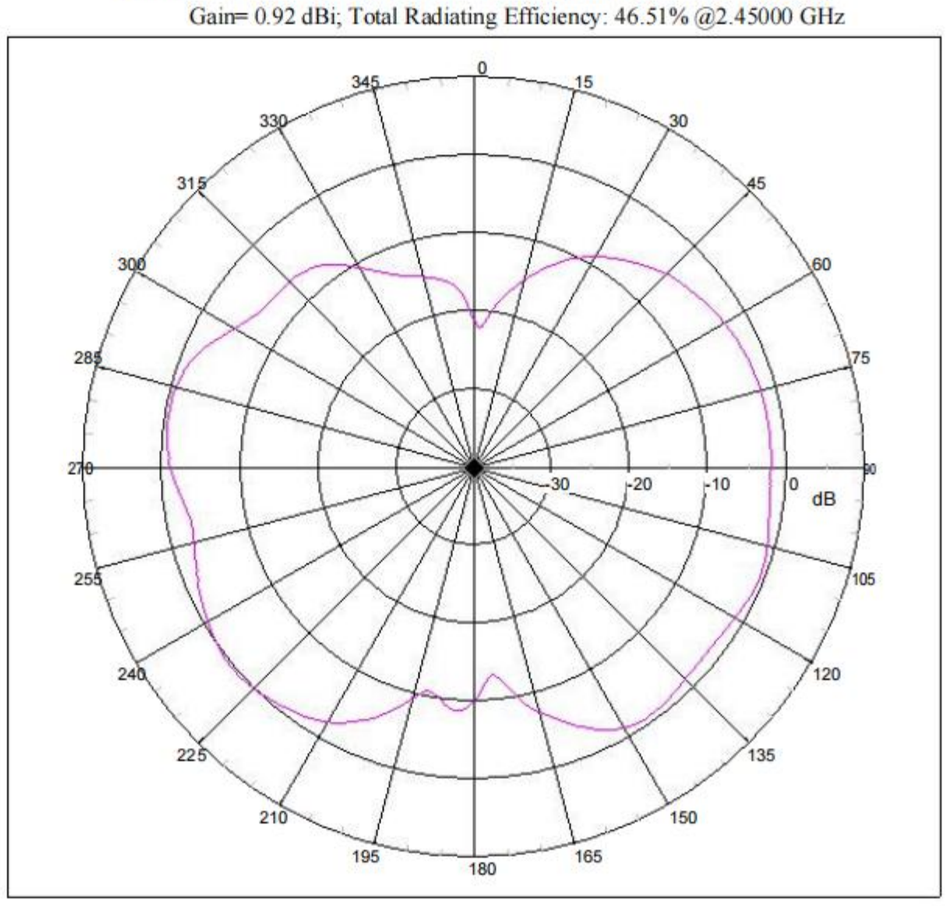
Far-field Pattern @ Phi=0 deg(E-Theta Plane-Cut)

Gain= 0.48 dBi; Co-Pol Efficiency: 45.59% @ Freq: 2.45000 GHz



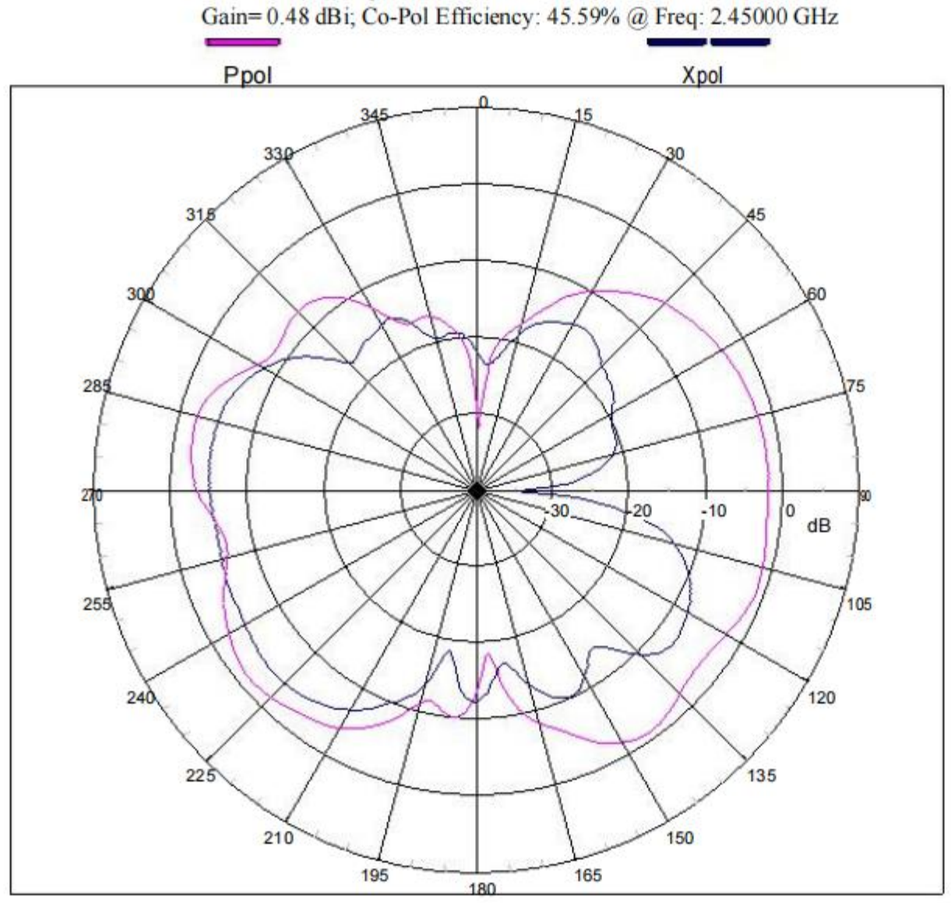
Far-field Power Distribution on Y-Z Plane(H-Plane of L3 Pol Sense)

Gain= 0.92 dBi; Total Radiating Efficiency: 46.51% @2.45000 GHz



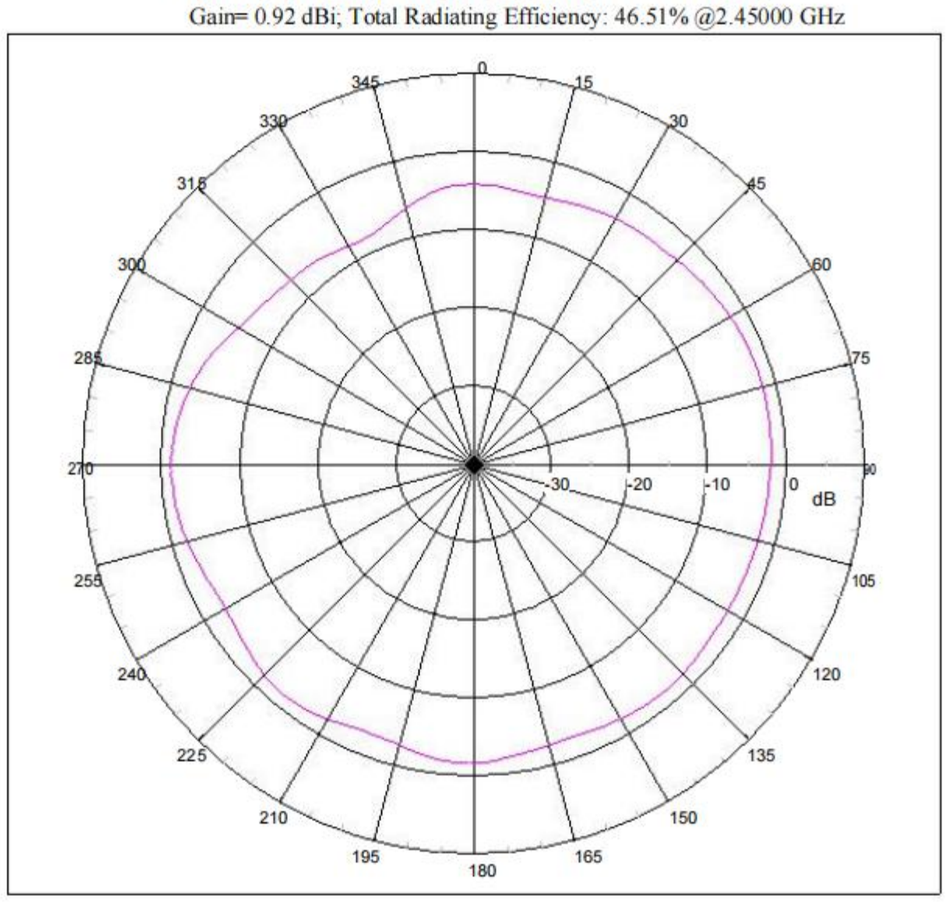
Far-field Pattern @ Phi=90 deg(E-Theta Plane-Cut)

Gain= 0.48 dBi; Co-Pol Efficiency: 45.59% @ Freq: 2.45000 GHz



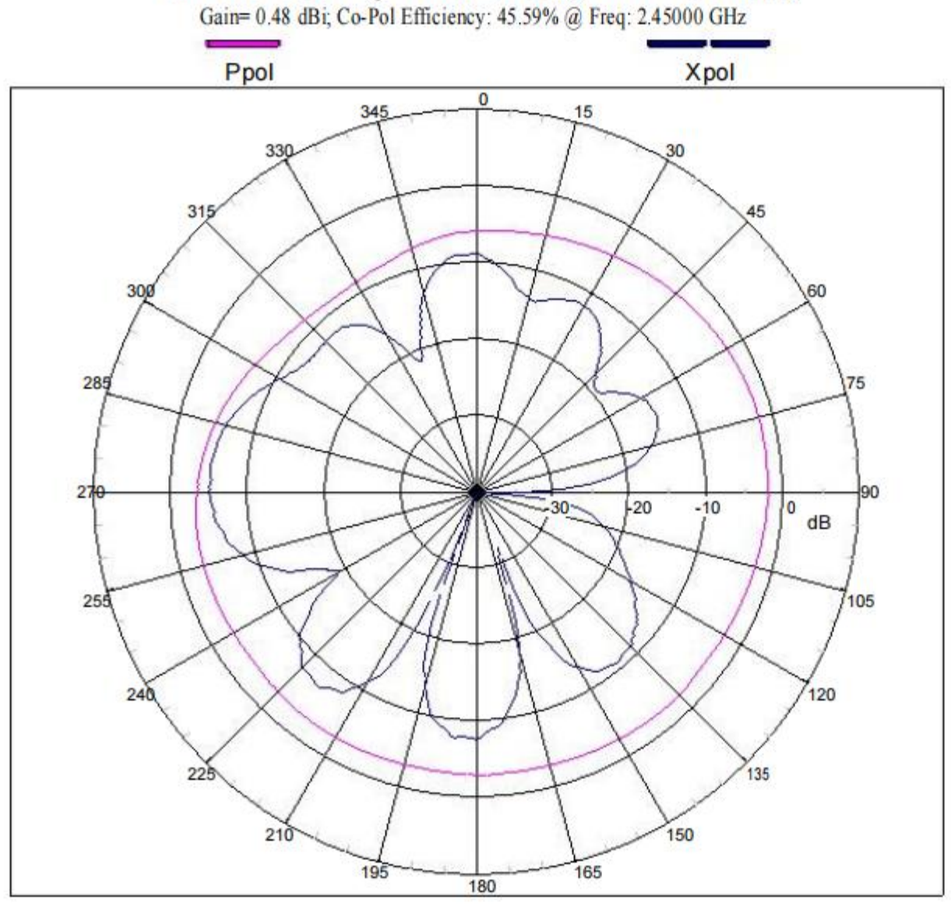
Far-field Power Distribution on X-Y Plane

Gain= 0.92 dBi; Total Radiating Efficiency: 46.51% @2.45000 GHz



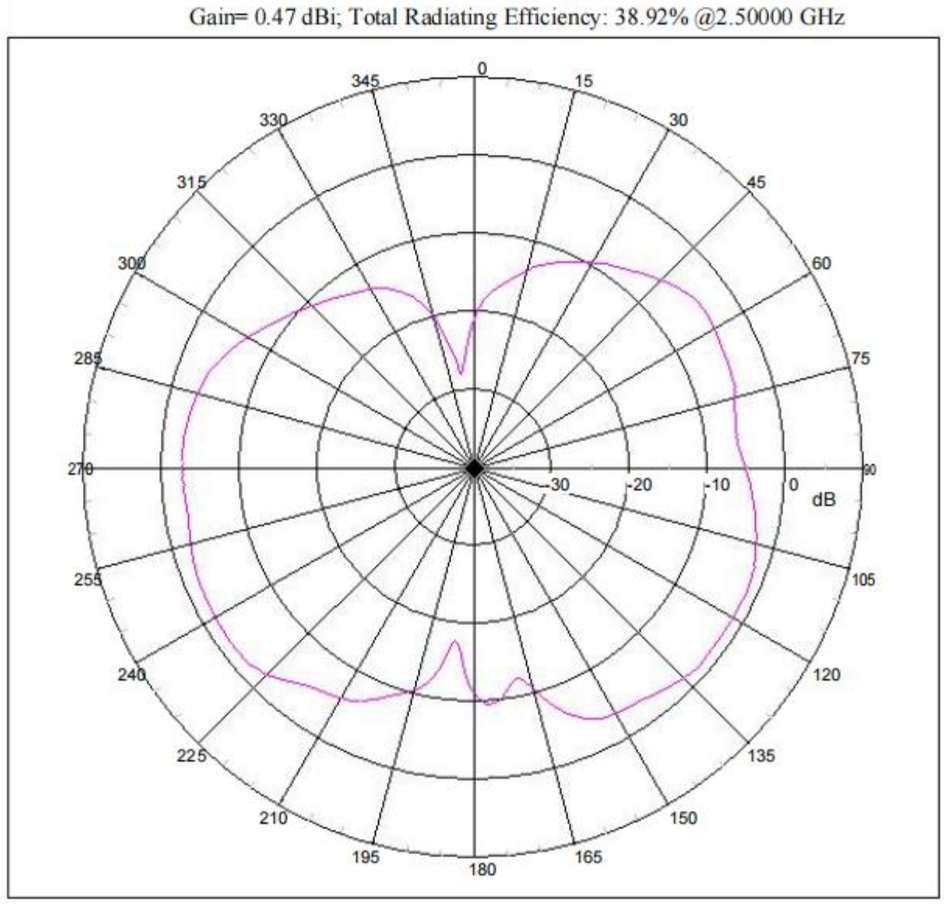
Far-field Pattern @ Theta=90 deg(E-Phi Plane-Cut)

Gain= 0.48 dBi; Co-Pol Efficiency: 45.59% @ Freq: 2.45000 GHz



Far-field Power Distribution on X-Z Plane(E-Plane of L3 Pol Sense)

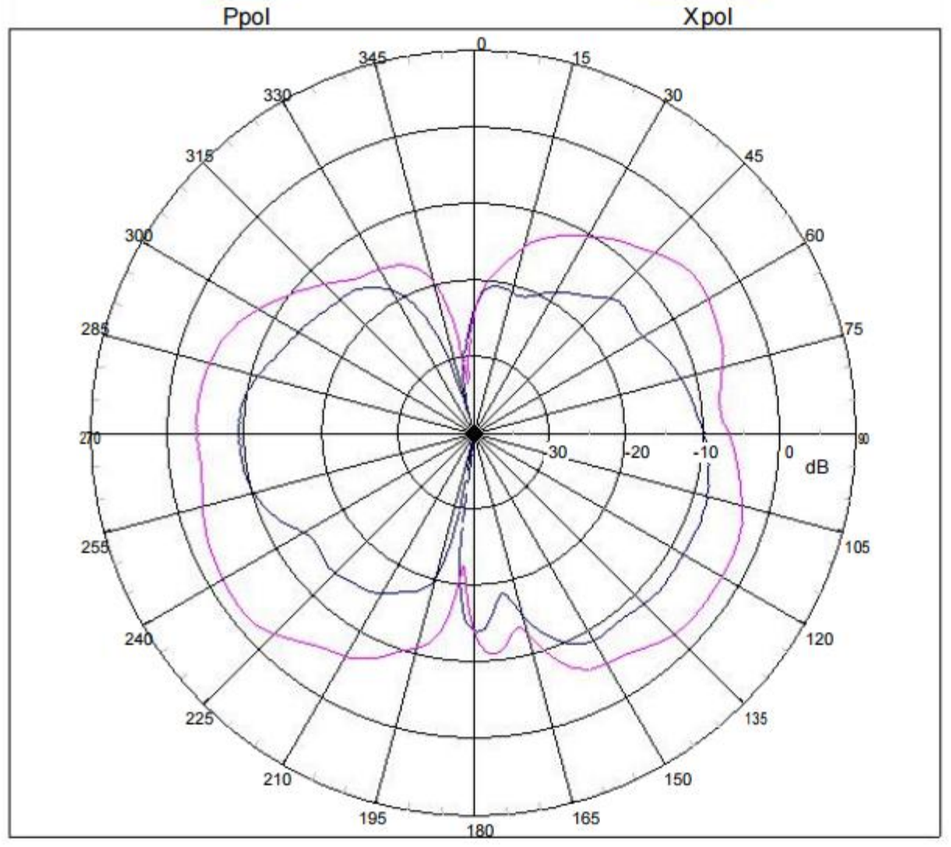
Gain= 0.47 dBi; Total Radiating Efficiency: 38.92% @2.50000 GHz



Far-field Pattern @ Phi=0 deg(E-Theta Plane-Cut)

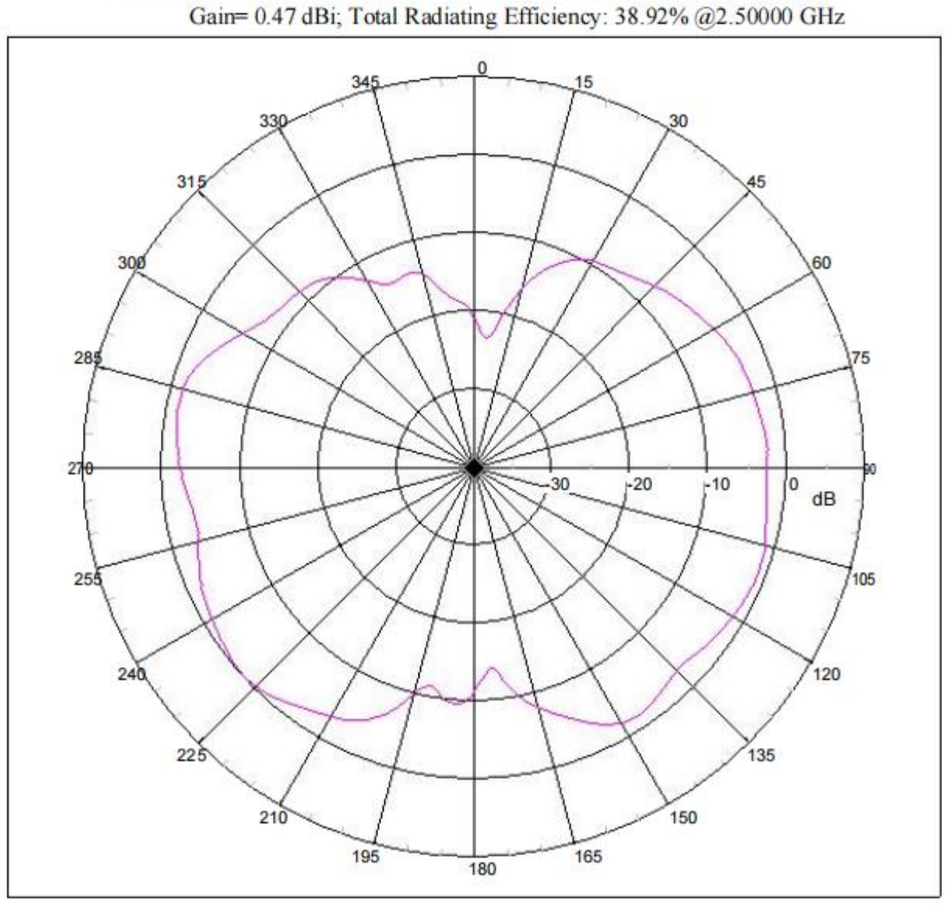
Gain= -0.07 dBi; Co-Pol Efficiency: 36.61% @ Freq: 2.50000 GHz

Ppol Xpol



Far-field Power Distribution on Y-Z Plane(H-Plane of L3 Pol Sense)

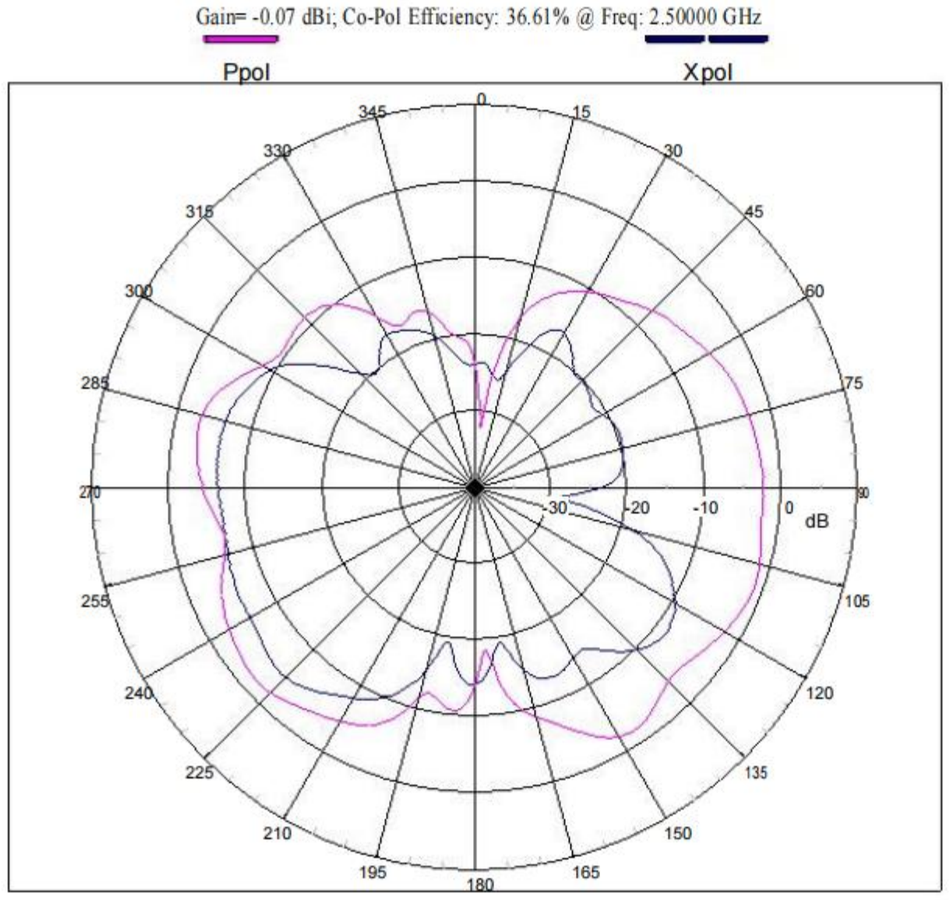
Gain= 0.47 dBi; Total Radiating Efficiency: 38.92% @2.50000 GHz



Far-field Pattern @ Phi=90 deg(E-Theta Plane-Cut)

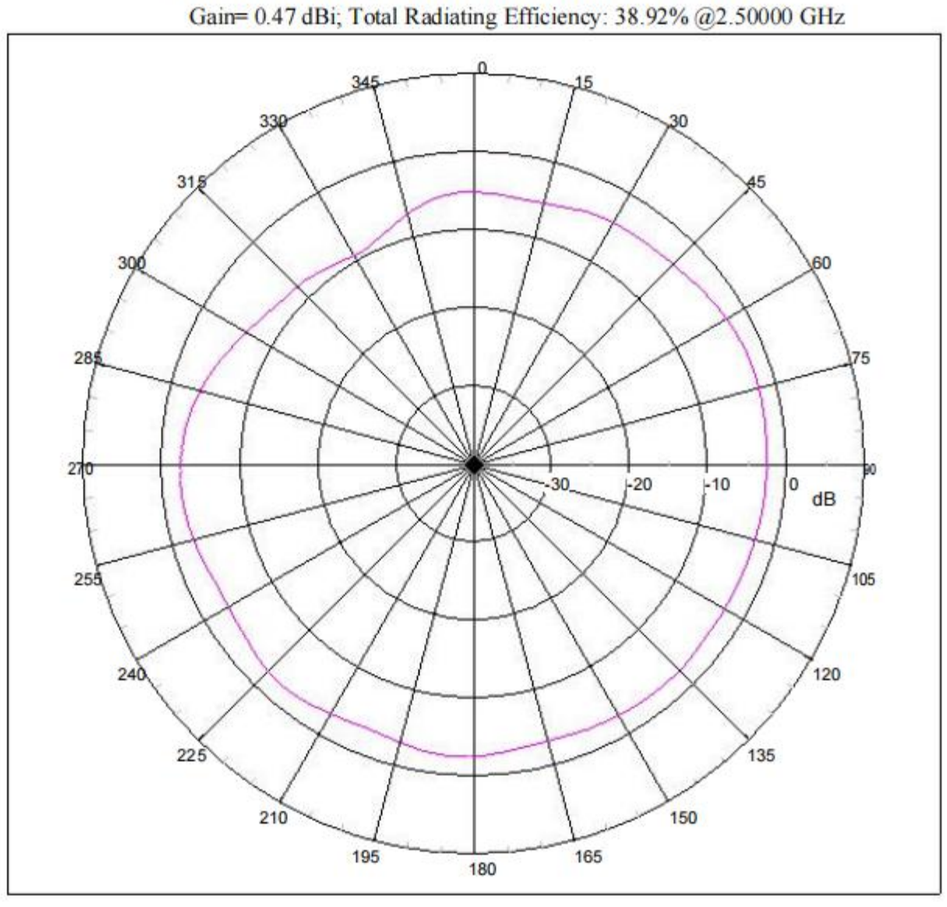
Gain= -0.07 dBi; Co-Pol Efficiency: 36.61% @ Freq: 2.50000 GHz

Ppol Xpol



Far-field Power Distribution on X-Y Plane

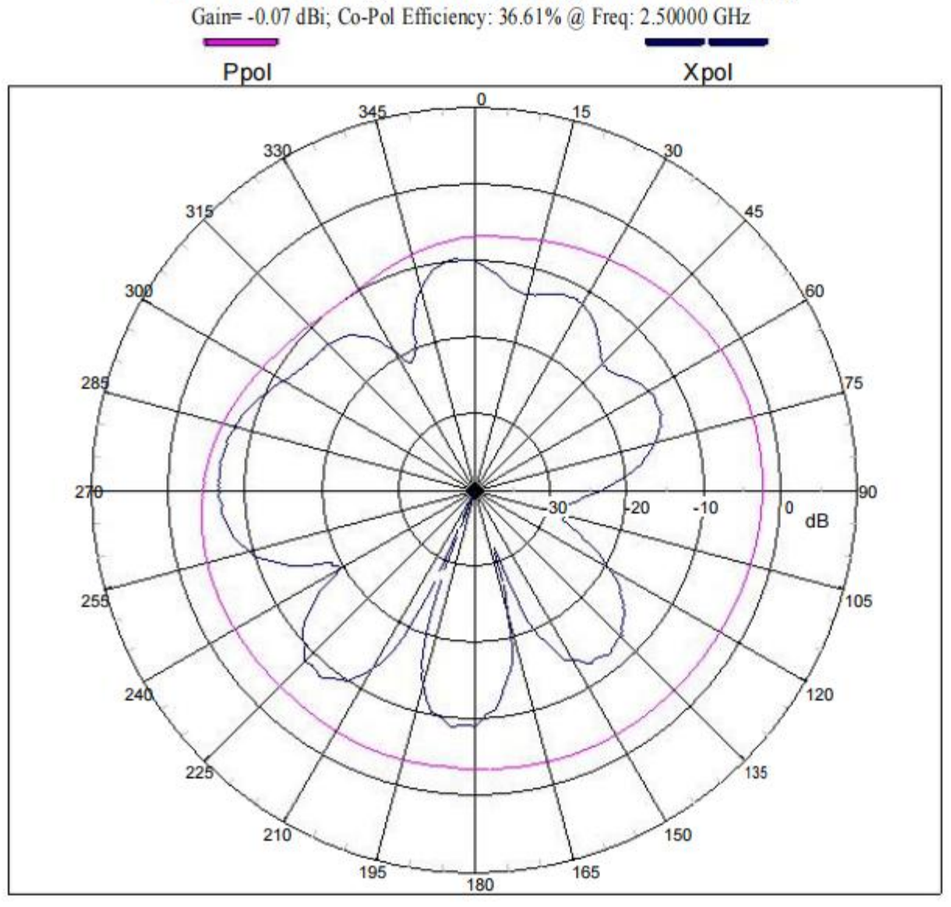
Gain= 0.47 dBi; Total Radiating Efficiency: 38.92% @2.50000 GHz



Far-field Pattern @ Theta=90 deg(E-Phi Plane-Cut)

Gain= -0.07 dBi; Co-Pol Efficiency: 36.61% @ Freq: 2.50000 GHz

Ppol Xpol



上海曼宣电子有限公司 021-34781687