iXE-ANT®

深圳市芯亿无线科技有限公司

Shenzhen XE wireless technology co. LTD.

Antennas Specification

客户名称：SHENZHEN COBAN ELECTRONICS CO.,LTD
CUSTOMER NAME

产品型号

PRODUCT NAME: 108-2G-0.1-GSM

地址：广东深圳市前海深港合作区前湾一路一号 A 栋 201 室
Address:Room201,BuildingA,No.1Qianwan1stRoad,QianhaiShenzhenHongKongCooperation Zone, Shenzhen,Guangdong

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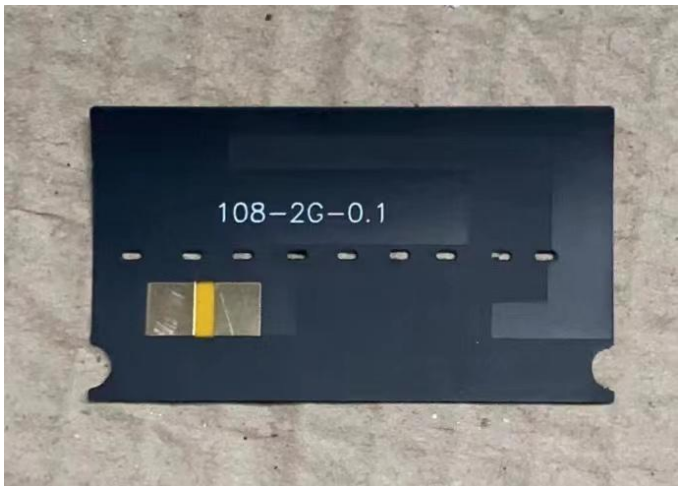
Product Photo：

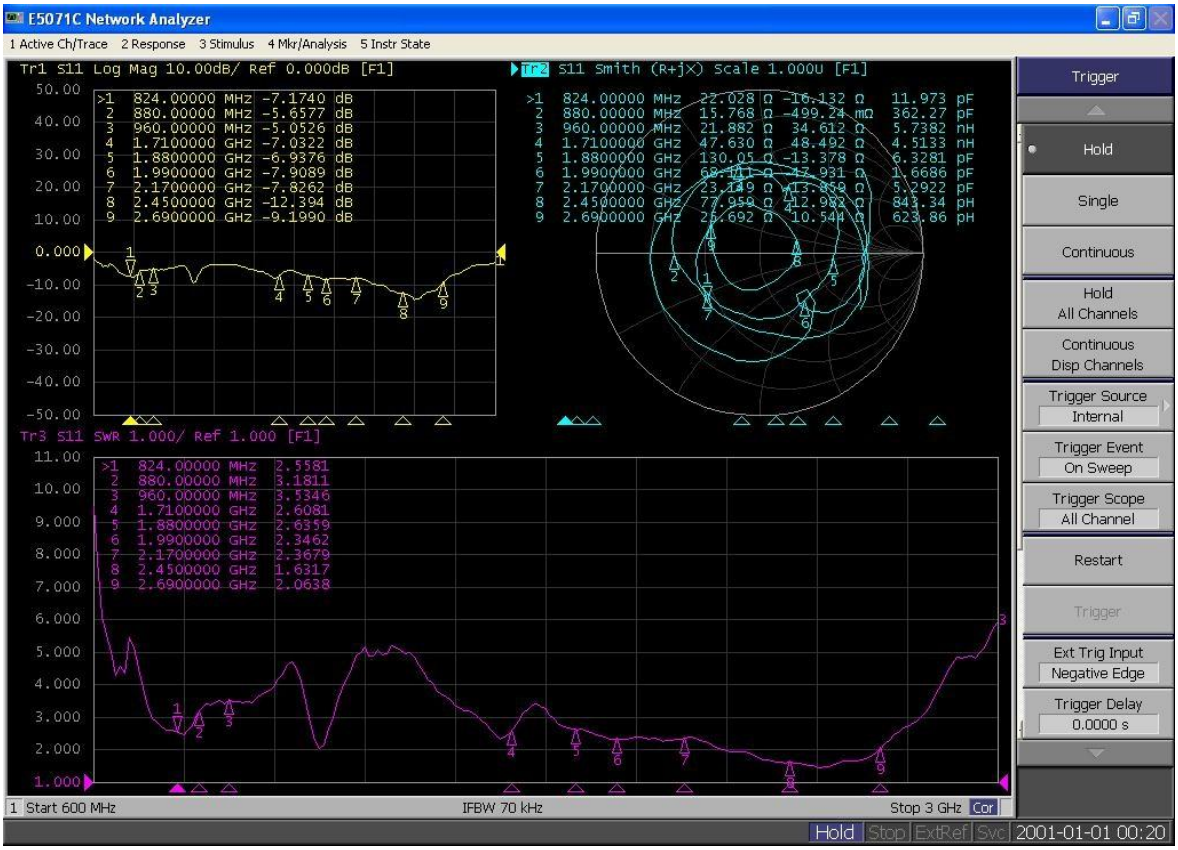


1. Specification：

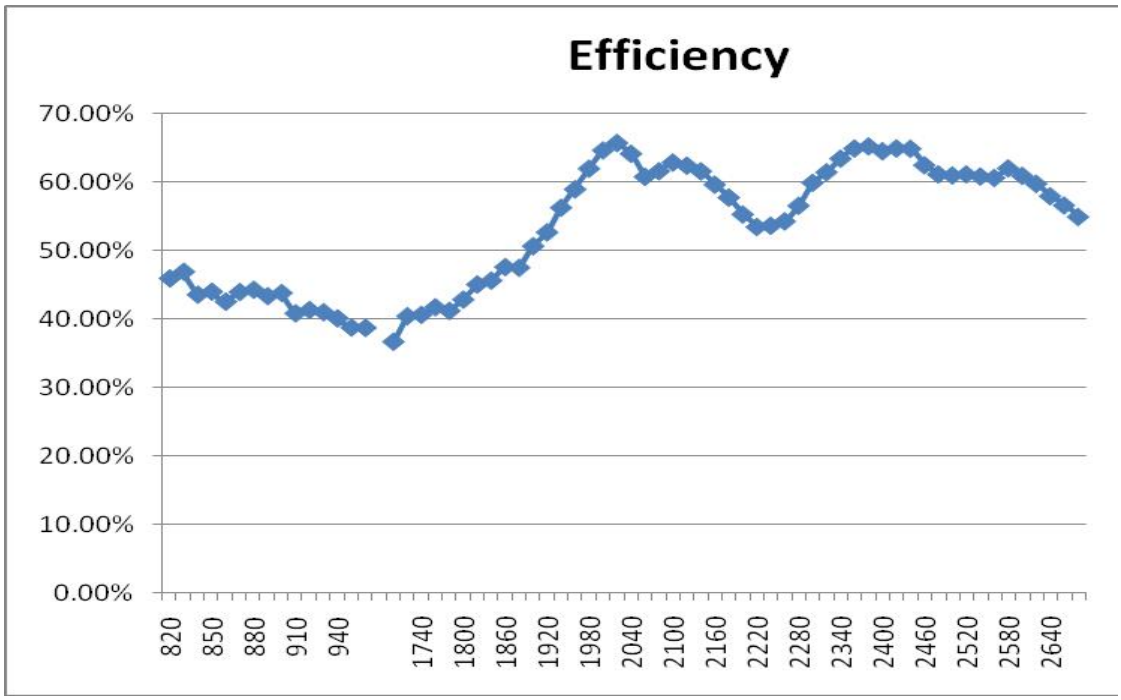
产品主要技术参数

主要技术指标		Main technical specifications	
频率范围（MHZ）	700-2700MHZ	Frequency Range (MHZ)	700-2700MHZ
特性阻抗(Ω)	50	Impedance(Ω)	50
输出电压驻波比	≤1.92	VSWR	≤1.92
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear,Vertical
连接方式	顶针	Connector Type	
物理性能		Physical Properties	
天线本体材料	FPC	Antenna Base	FPC
工作温度	-20℃~+65℃	Operating Temp	-20℃~+65℃
保存温度	-30℃~+75℃	Storage Temp	-30℃~+75℃

2 Test report



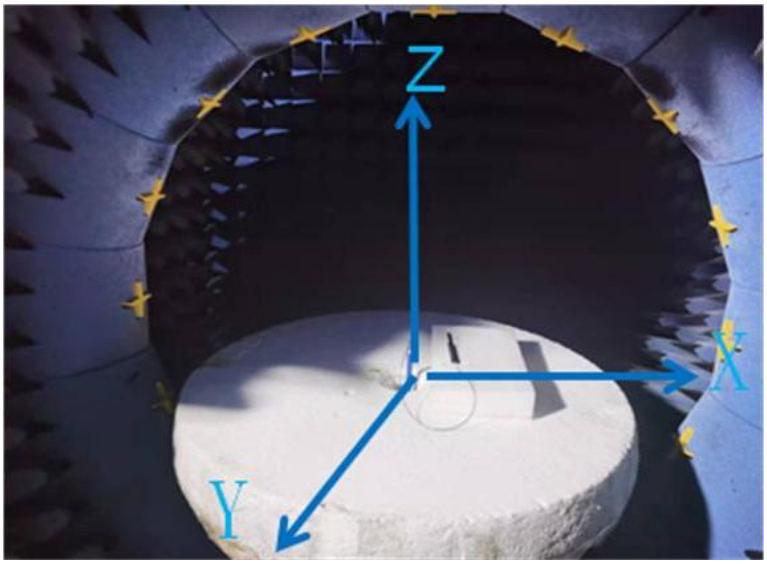
Frequency (MHz)	824	960	1710	2170	2350	2490	2690
VSWR	2.55	3.53	2.60	2.36	1.92	1.77	2.06



Frequency (MHz)	820	960	1710	2170	2300	2500	2690
Efficiency (%)	45.9	38.64	36.6	58.1	59.93	61.01	54.93

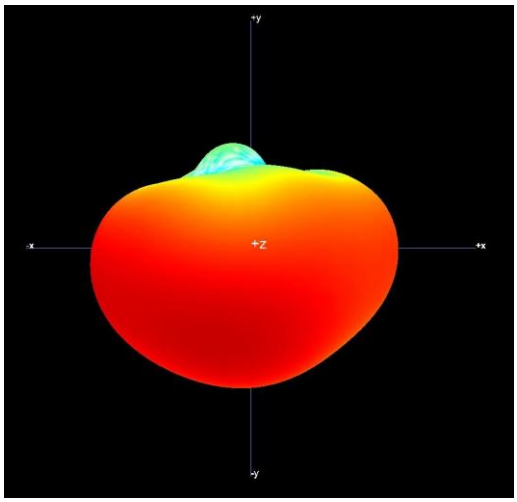
Frequency (MHz)	Efficiency (%)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Gain (dBi)
820	45.90%	-0.15	2060	60.82%	0.54
830	46.88%	-0.04	2080	61.64%	0.58
840	43.52%	-0.12	2100	62.91%	0.55
850	43.95%	-0.36	2120	62.45%	0.56
860	42.48%	-0.36	2140	61.61%	0.58
870	43.91%	-0.34	2160	59.66%	0.52
880	44.23%	-0.09	2180	57.77%	0.60
890	43.30%	-0.65	2220	53.45%	0.51
900	43.76%	-0.47	2240	53.63%	0.59
910	40.78%	-0.04	2260	54.28%	0.57
920	41.27%	-0.13	2280	56.57%	0.58
930	40.94%	0	2300	59.93%	0.57
940	40.04%	-0.33	2320	61.48%	0.6
950	38.69%	-0.58	2340	63.48%	0.59
960	38.64%	-0.54	2360	64.97%	0.62
1700	36.60%	-1.08	2380	65.28%	0.61
1720	40.36%	-1.14	2400	64.56%	0.61
1740	40.55%	-1.1	2420	64.98%	0.58
1760	41.67%	-0.84	2440	64.93%	0.52
1780	41.13%	-0.49	2460	62.51%	0.57
1800	42.79%	-0.28	2480	61.17%	0.51
1820	45.01%	0.07	2500	61.01%	0.58
1840	45.58%	0.58	2520	61.18%	0.52
1860	47.57%	0.36	2540	60.86%	0.53
1880	47.46%	0.42	2560	60.65%	0.6
1900	50.63%	0.5	2580	62.05%	0.62
1920	52.66%	0.59	2600	60.95%	0.61
1940	56.27%	0.51	2620	59.79%	0.65
1960	58.98%	0.48	2640	57.97%	0.64
1980	62.01%	0.51	2660	56.61%	0.63
2000	64.69%	0.53	2690	54.93%	0.67
2020	65.77%	0.55			
2040	64.20%	0.50			

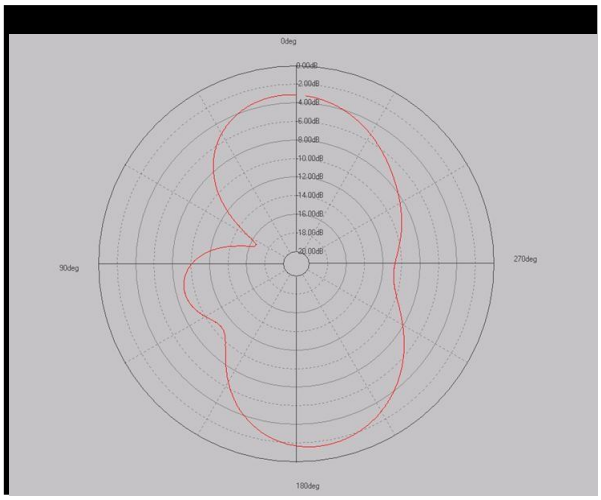
Radiation Patterns



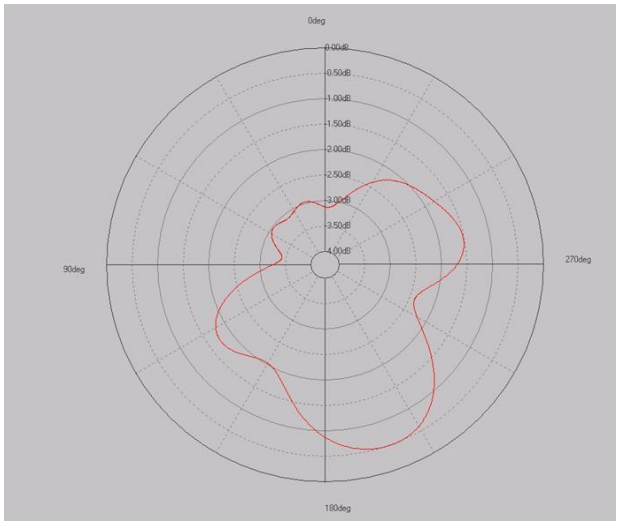
H plane: the tangent of XY
E1 plane: the tangent of XZ
E2 plane: the tangent of YZ

800MHz

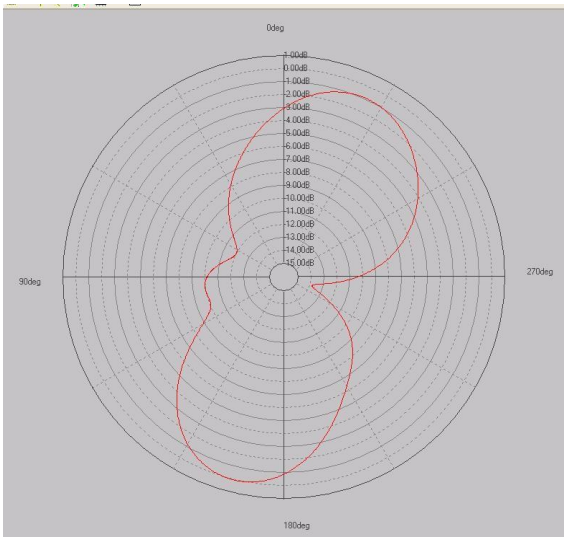




H plane

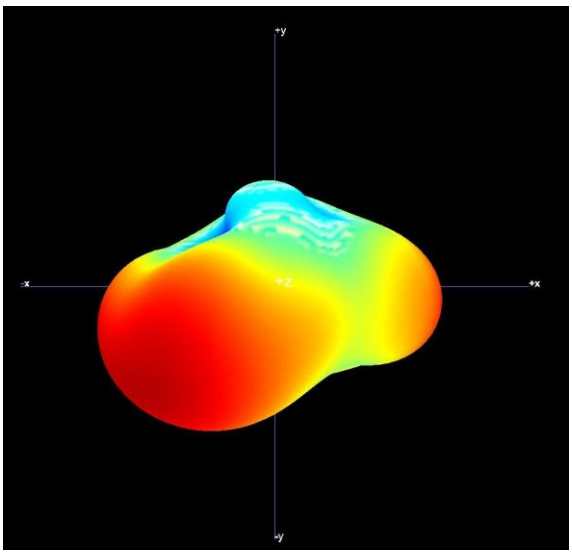


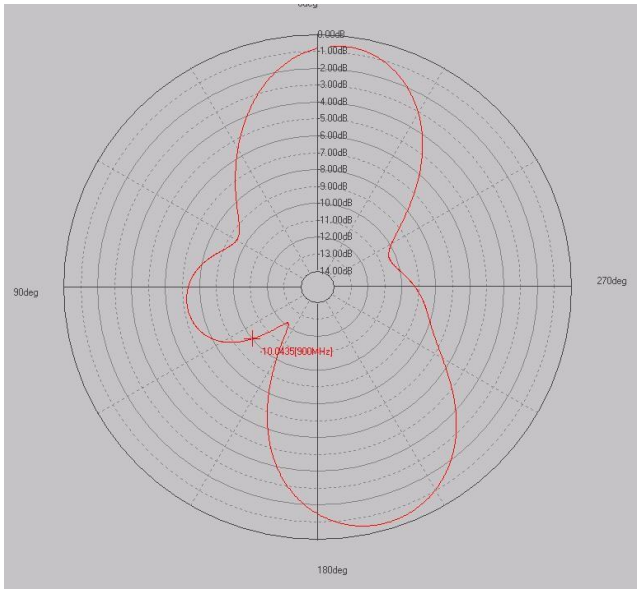
E1 plane



E2 plane

900 MHz





H plane

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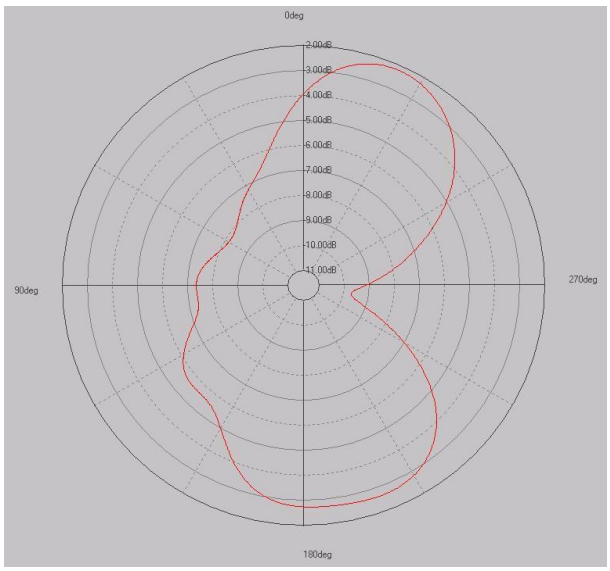
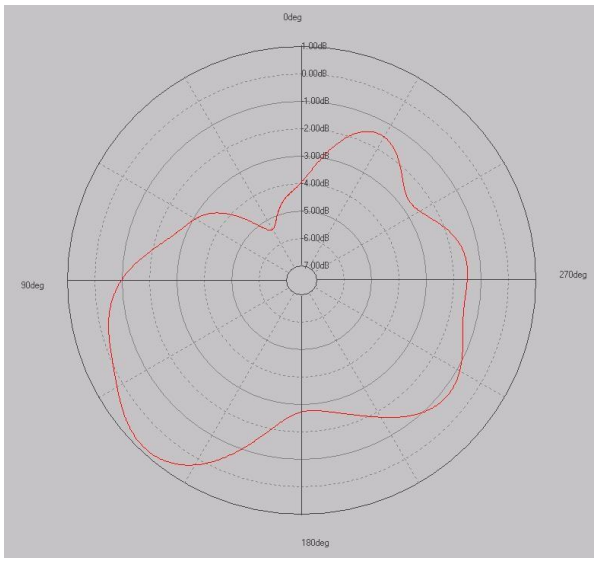
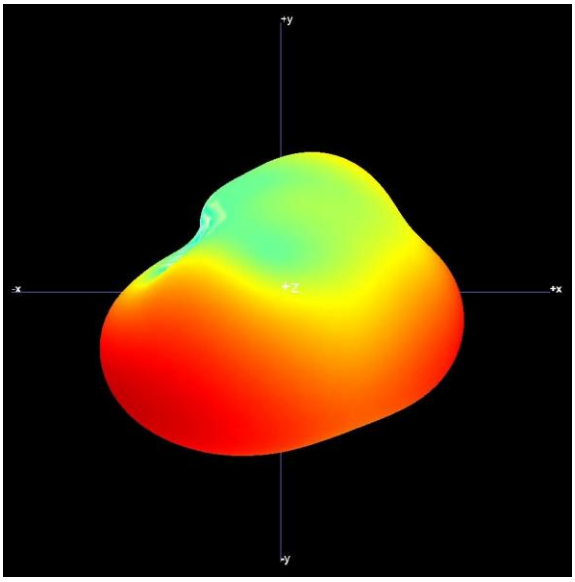
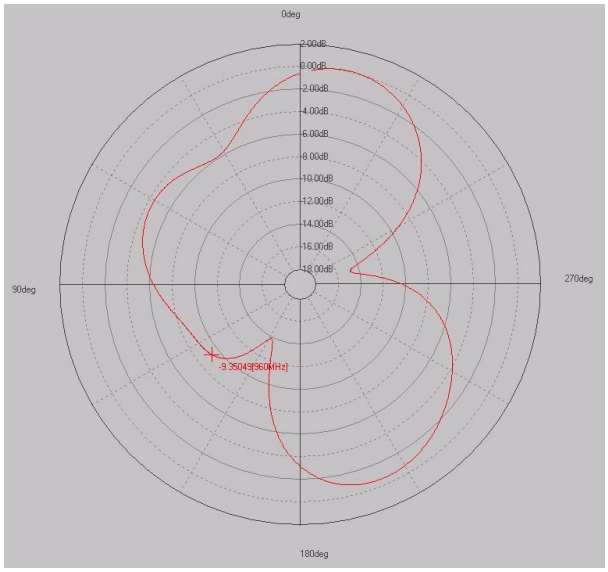




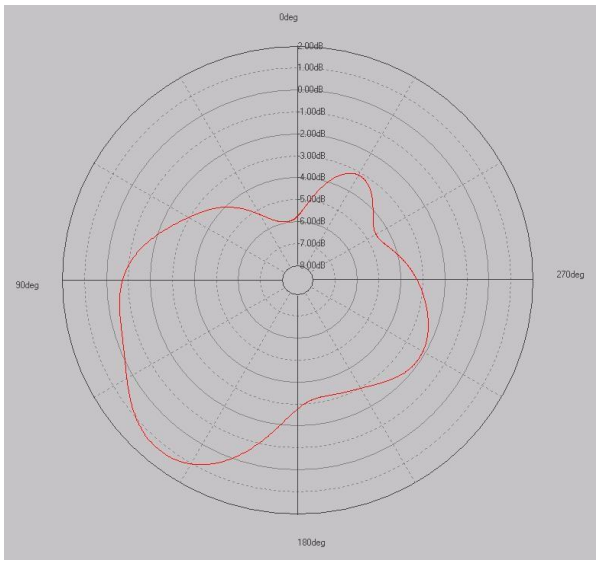
E1 plane E2 plane

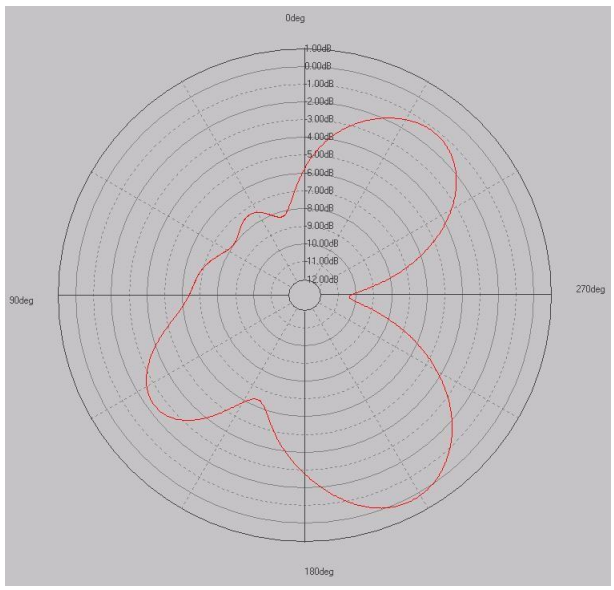
960 MHz





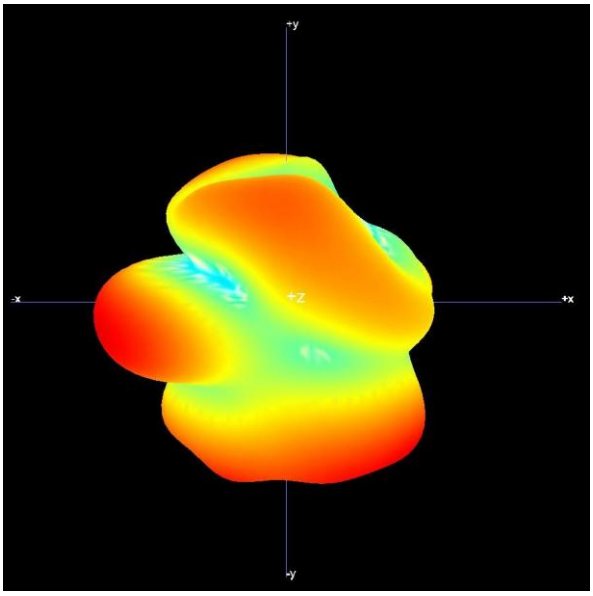
H plane

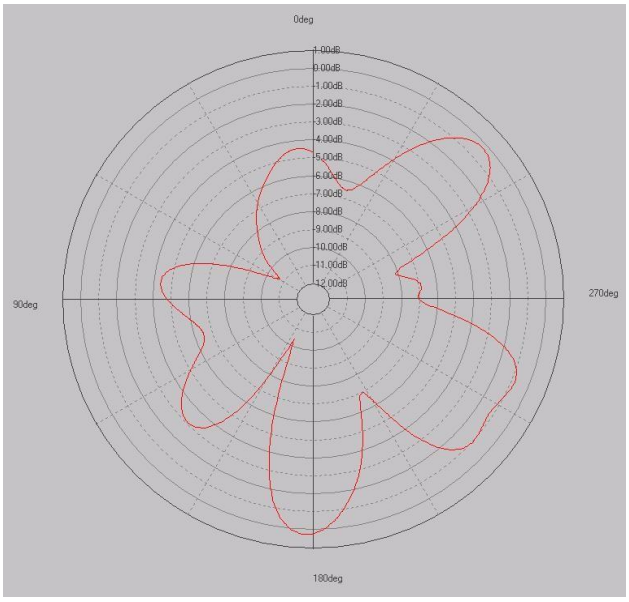




E1 plane E2 plane

1710 MHz





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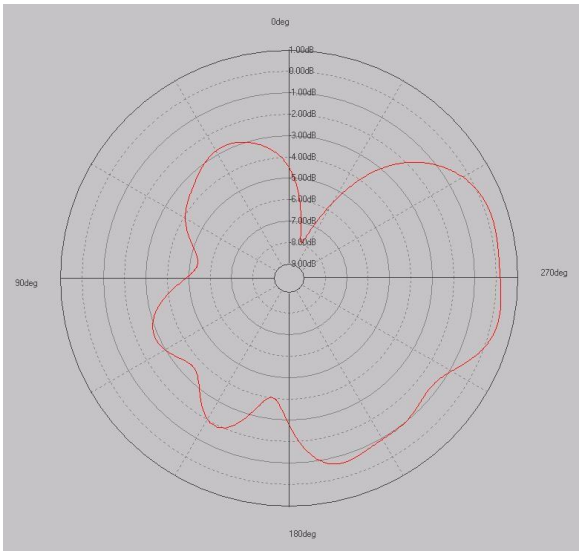
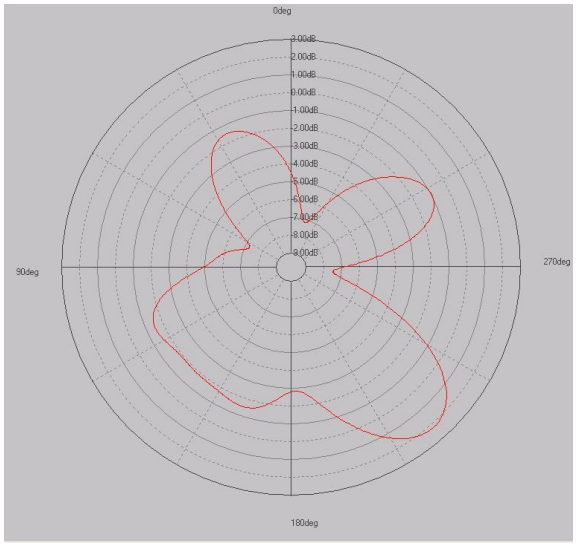
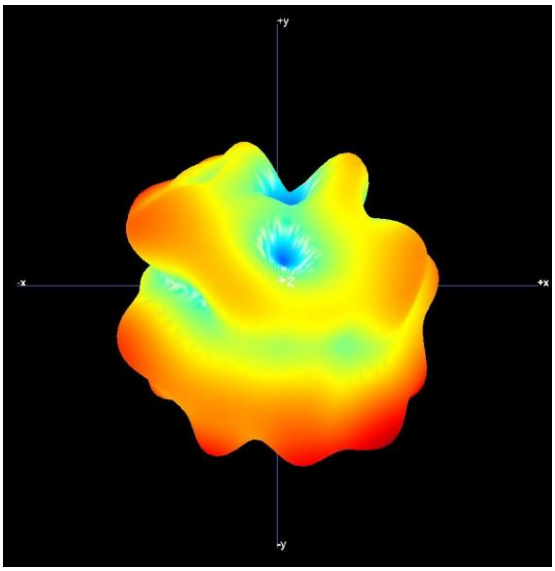


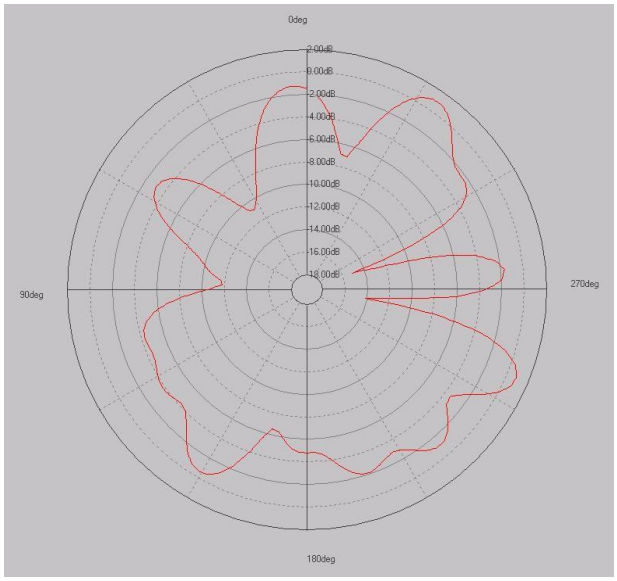
E1 plane



E2 plane

2170 MHz





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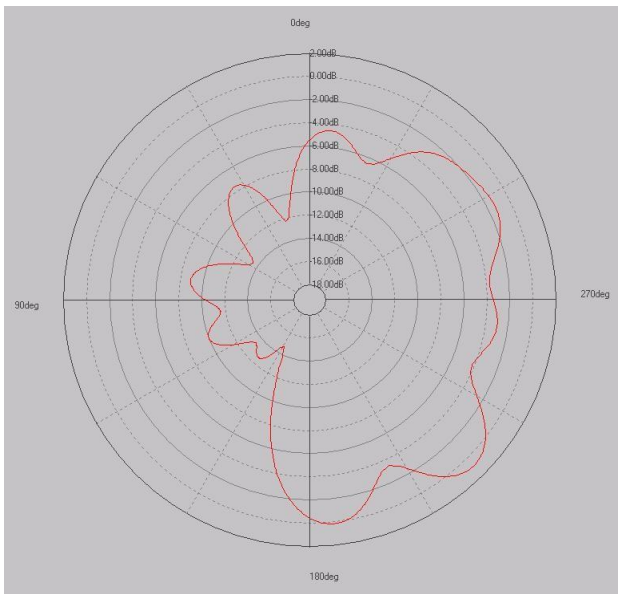
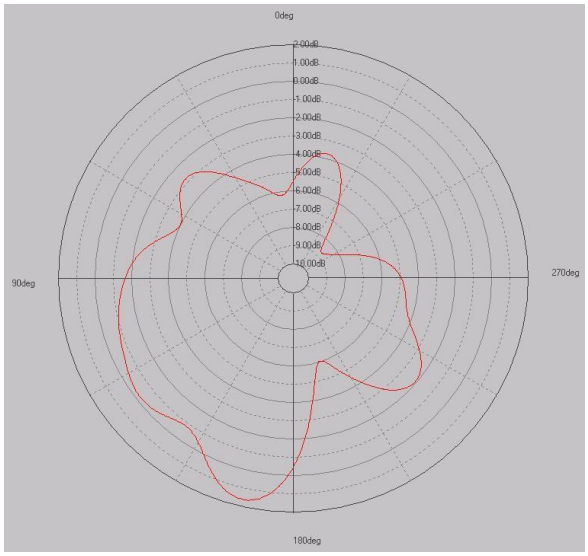
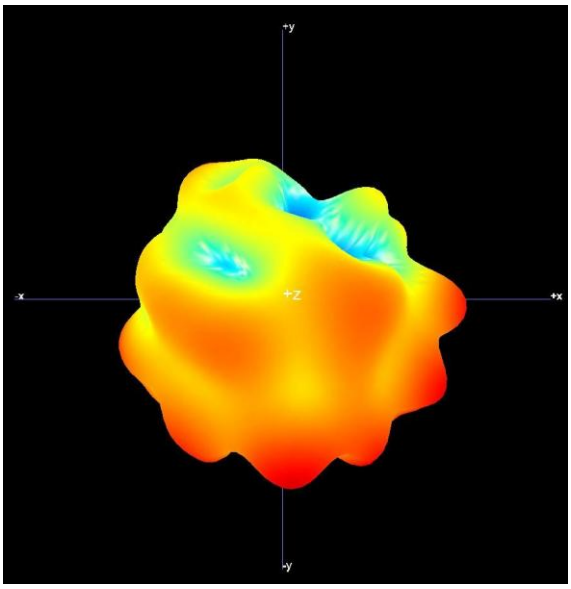
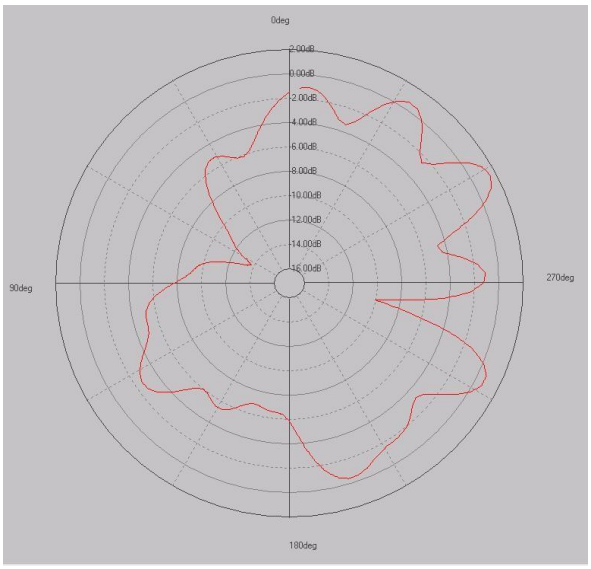




E1 plane E2 plane

2450 MHz





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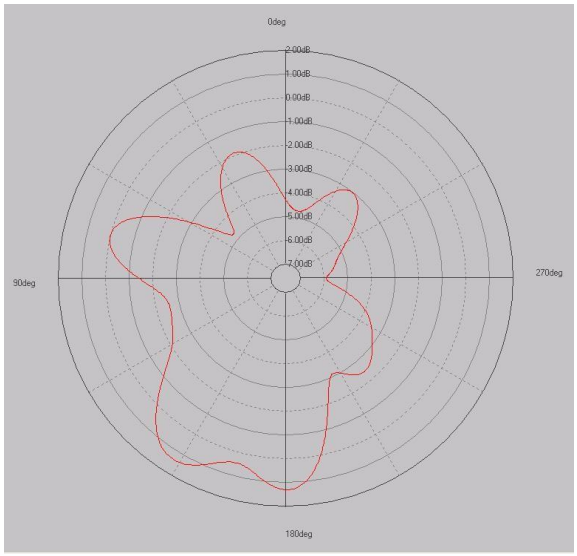
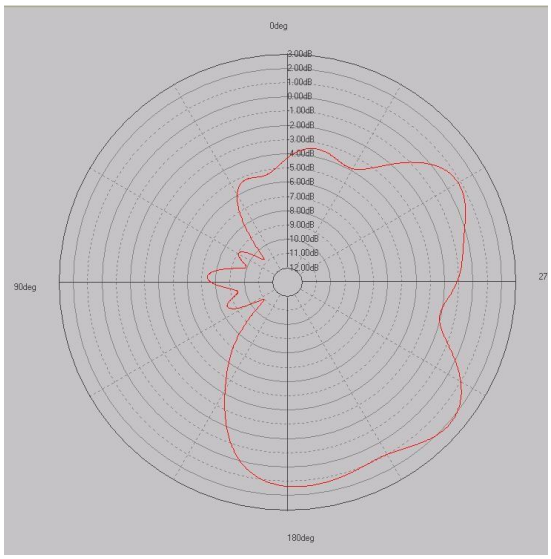
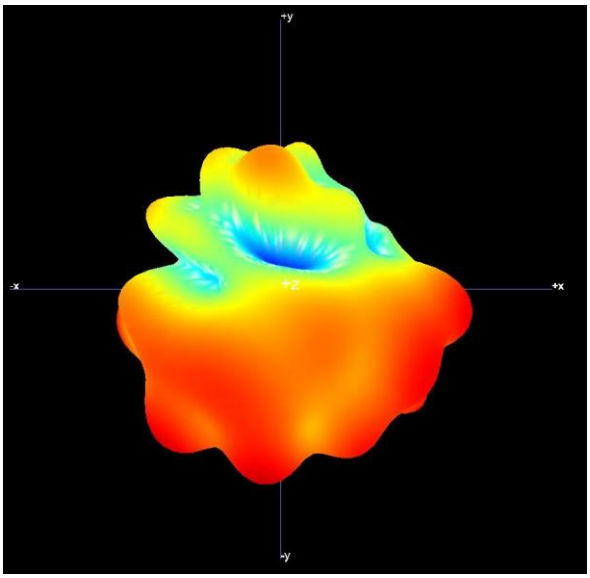
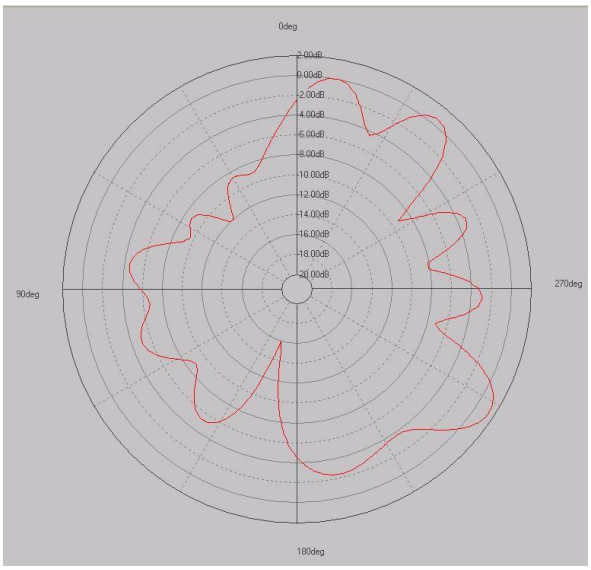




E1 plane E2 plane

2690 MHz





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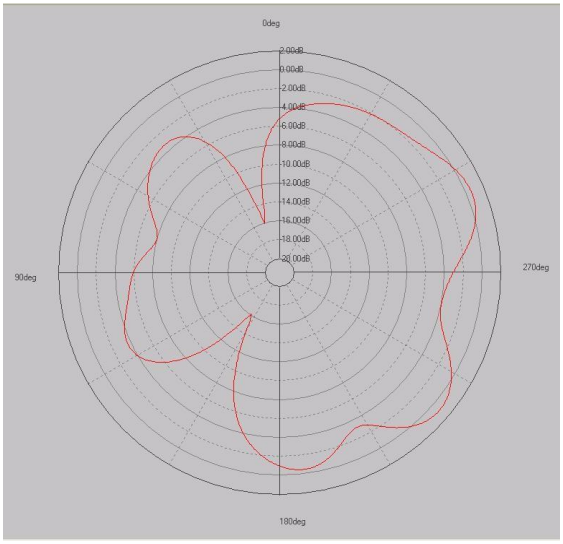
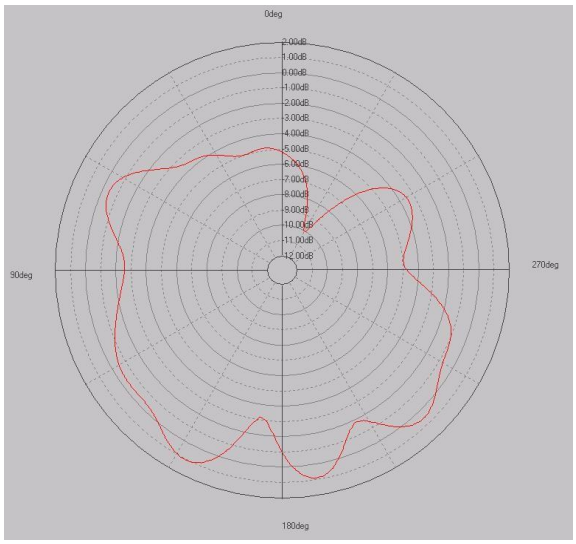
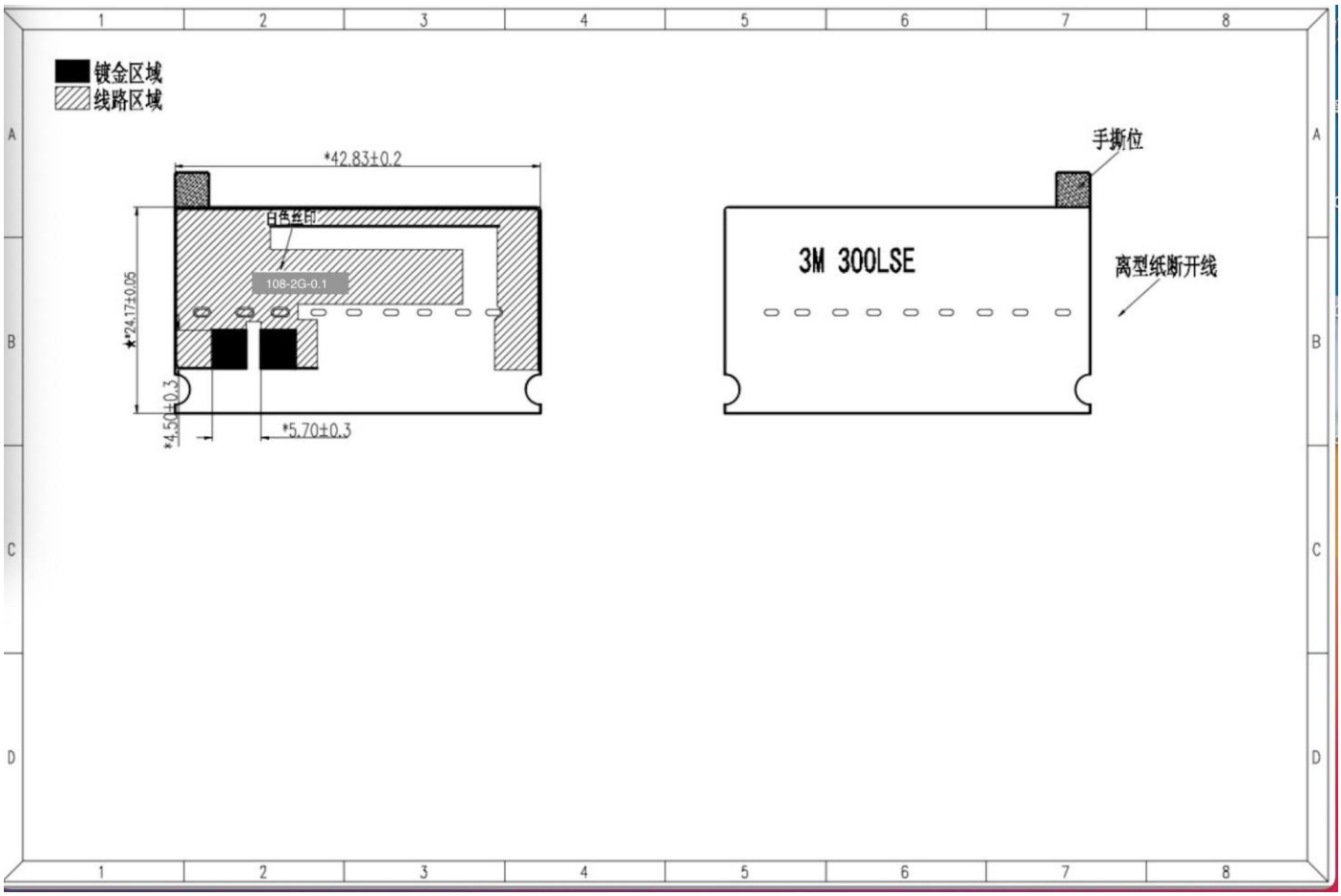


E1 plane



E2 plane

3 Product drawing



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