



APPROVAL SHEET

客户名称 CUSTOMER : 昊之源 Hollyland

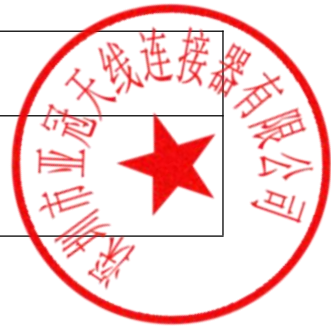
名称 NAME : W3388 内置 FPC 天线 The W3388 has a built-in FPC antenna

物料代码 PART CODE :

规格型号 MODEL NO :

日期 DATE : 2023. 04. 07

制作 drawing	审核 check	批准 approved
黄勇军		



客户承认 Customer Approve

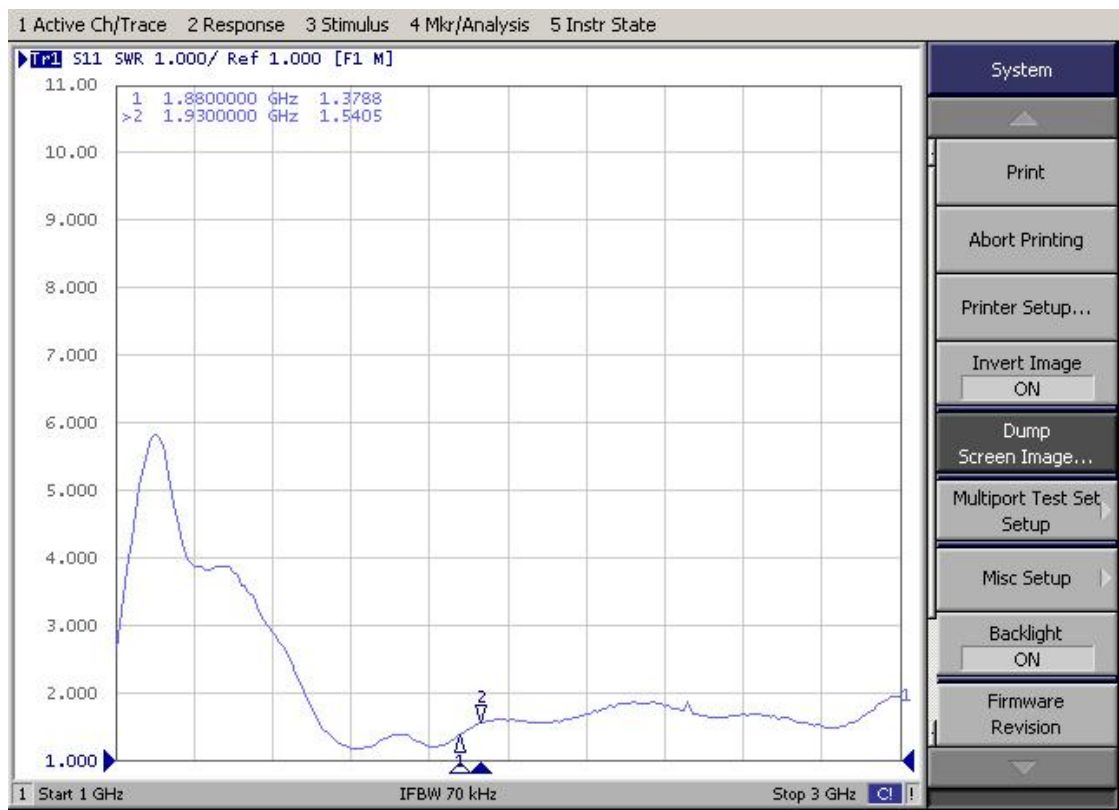
审核 check	批准 approved	承认 approval

电性能指标 Electrical Performance Index

电 器 性 能 指 标		Electrical Specifications	
频率范围 Frequency range		1880-1930MHZ	
电压驻波比	≤2.0	VSWR	≤2.0
增益	≤3.94DBI	GAIN	≤3.94DBI
辐射方式	全向	Radiation	OMNI
极化方式	线极化	Polarizatin	LINEAR
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 性 能 指 标		Mechanical Specifications	
接口形式		Input connector	
天线材质	FPC	Antenna materia	FPC
工作温度	-40℃~+85℃	Working Tempera ture	-40℃~+85℃
工作湿度	40~85%	Working Humidit y	40~85%

测试报告 Test report

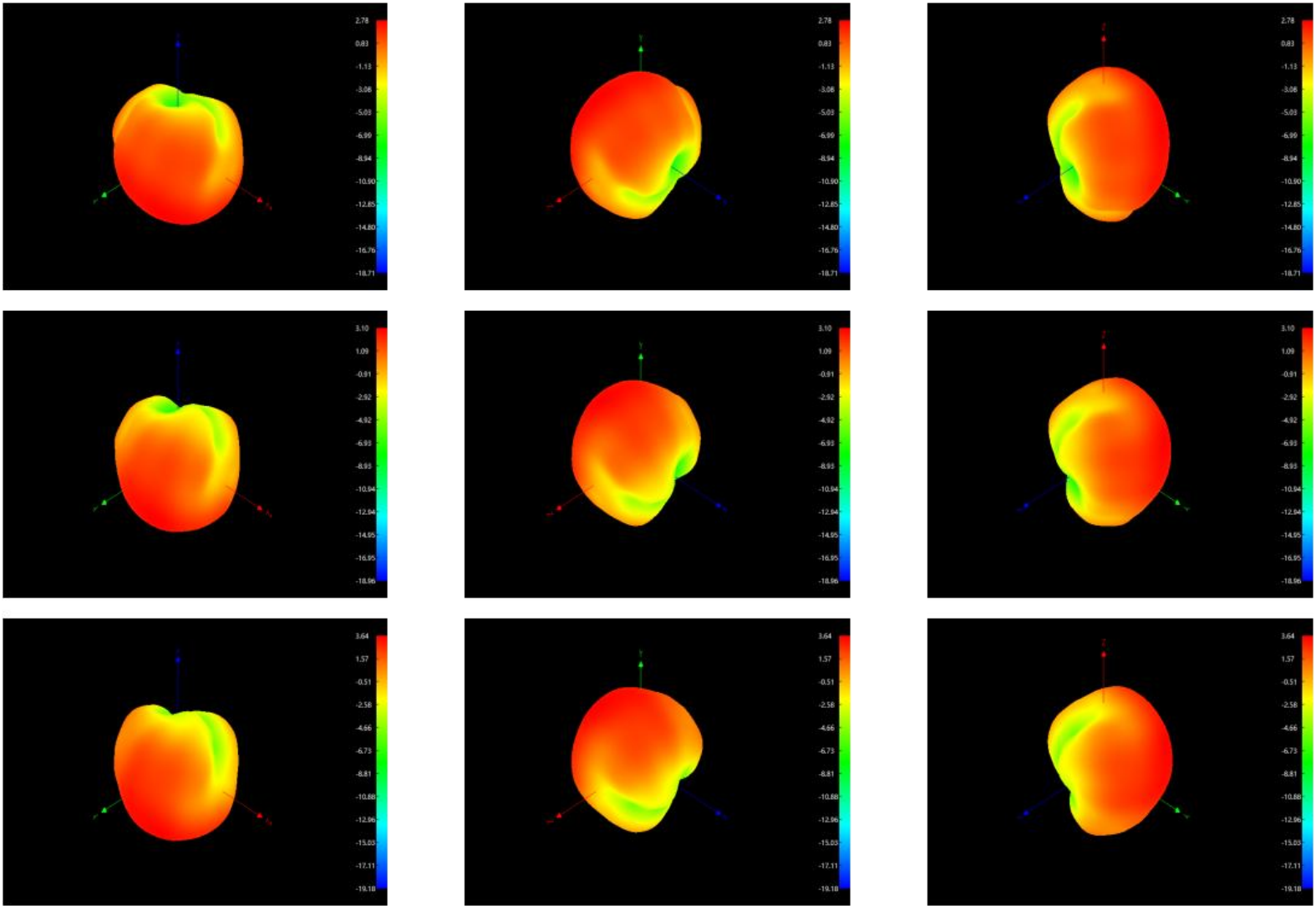
1. （自由状态下）天线驻波图 Antenna standing wave pattern (in free state)

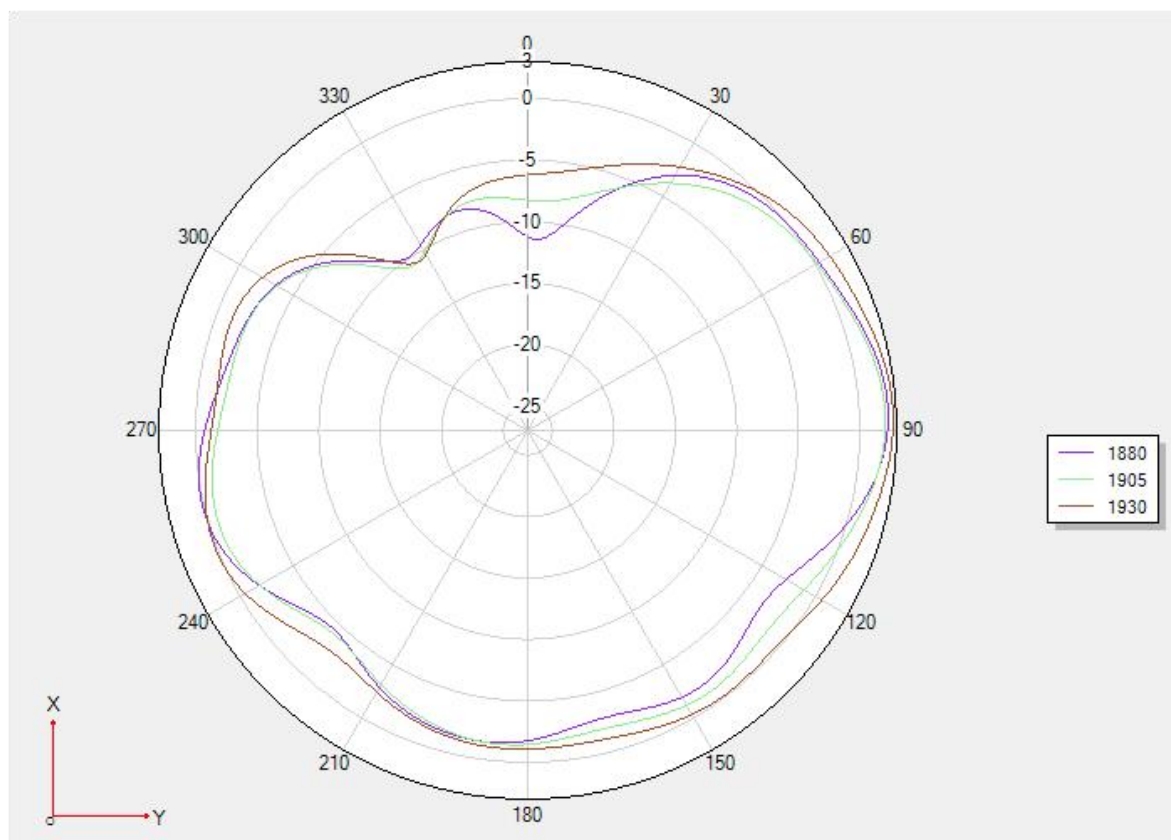
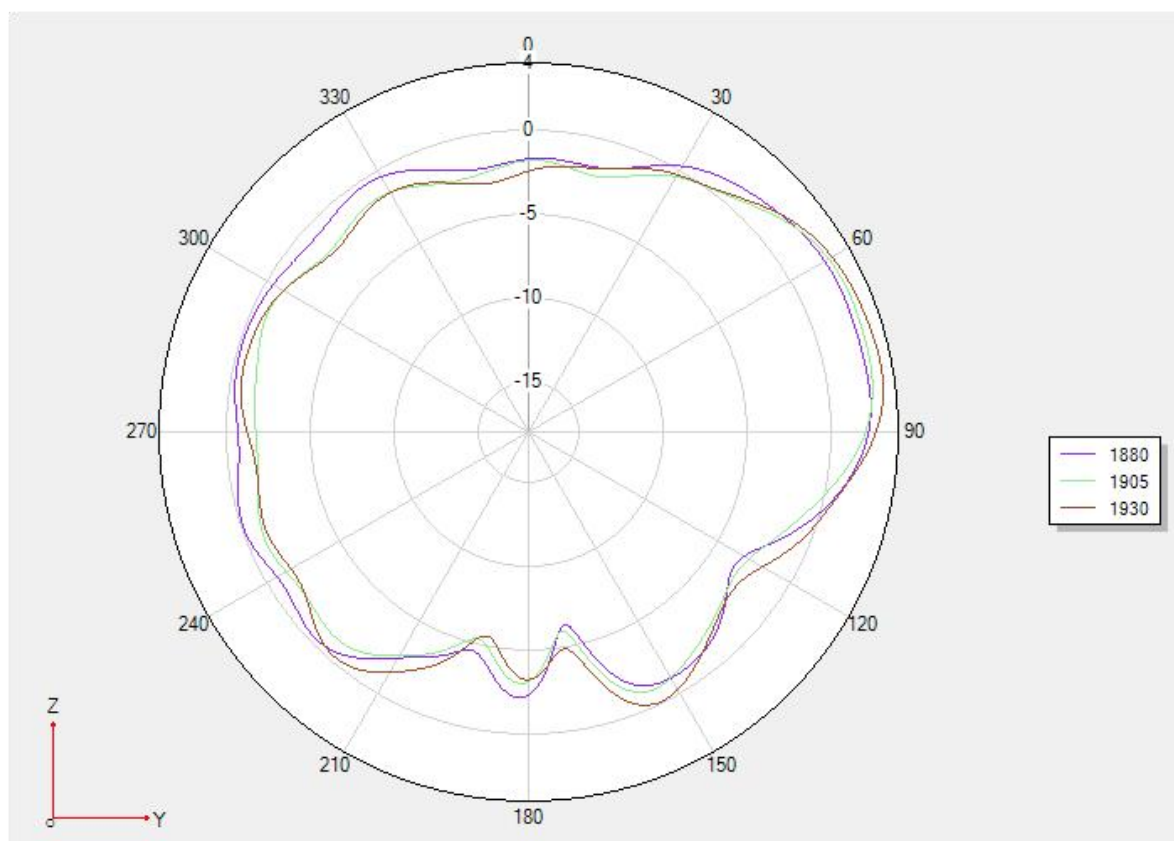


2. （自由状态下）天线增益效率 Antenna gain efficiency (free state)

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
1880	-1.65	68.39	2.78
1885	-1.76	66.68	3.14
1890	-2.04	62.52	2.8
1895	-2.27	59.29	2.81
1900	-2.27	59.29	2.85
1905	-2.43	57.15	3.1
1910	-2.52	55.98	3.09
1915	-2.45	56.89	3.45
1920	-2.38	57.81	3.94
1925	-2.3	58.88	3.8
1930	-2.05	62.37	3.64

3. （自由状态下）天线方向图 In the free state) antenna direction diagram

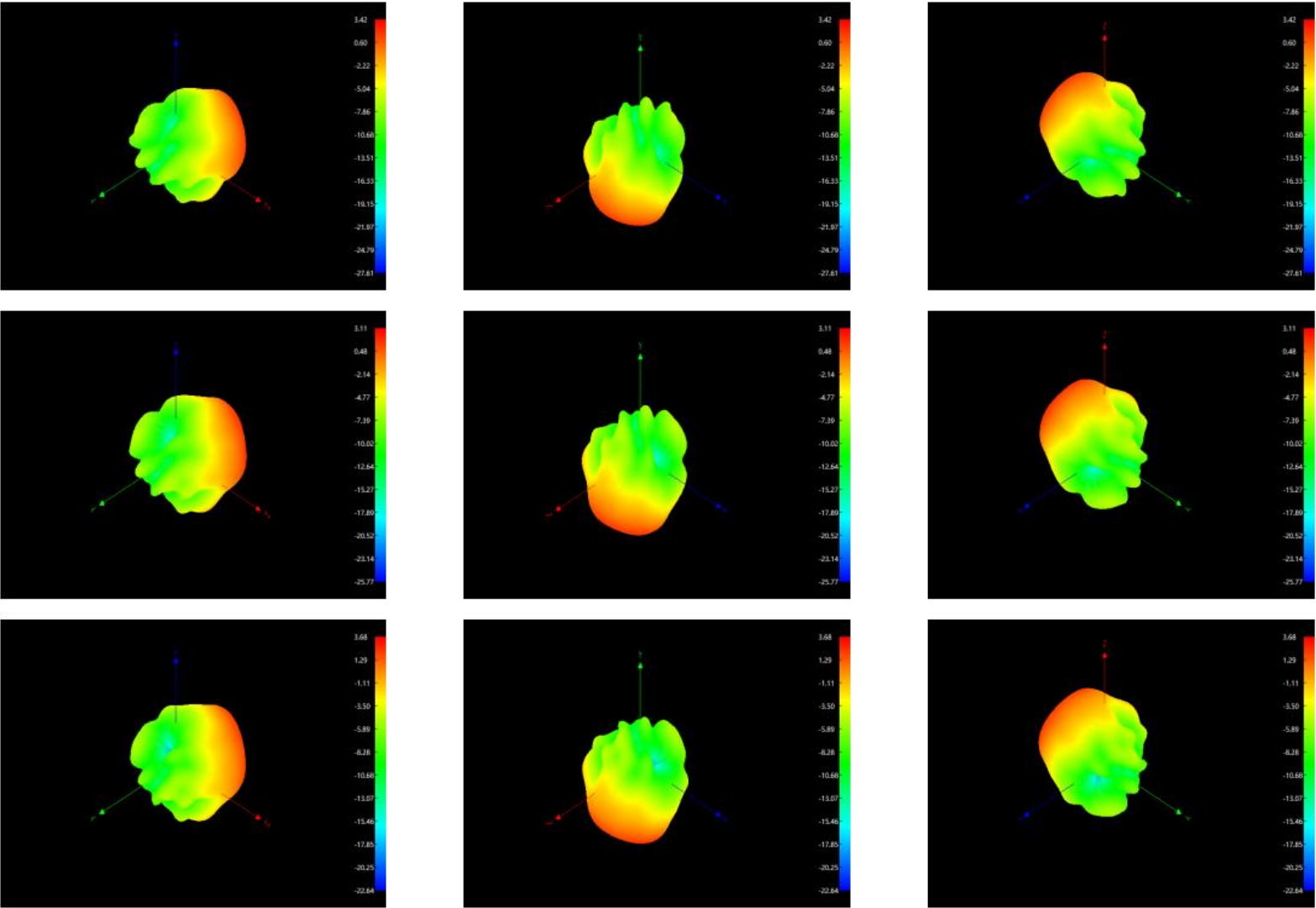


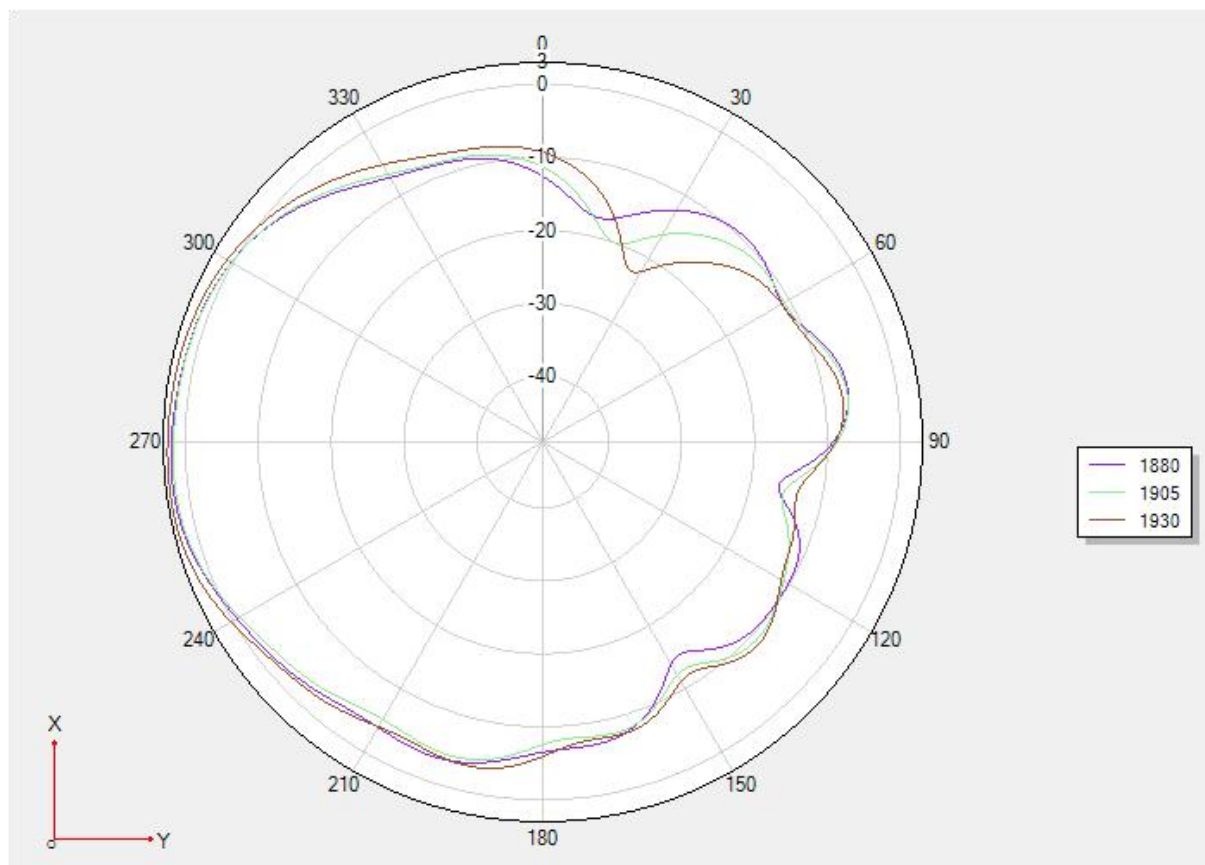
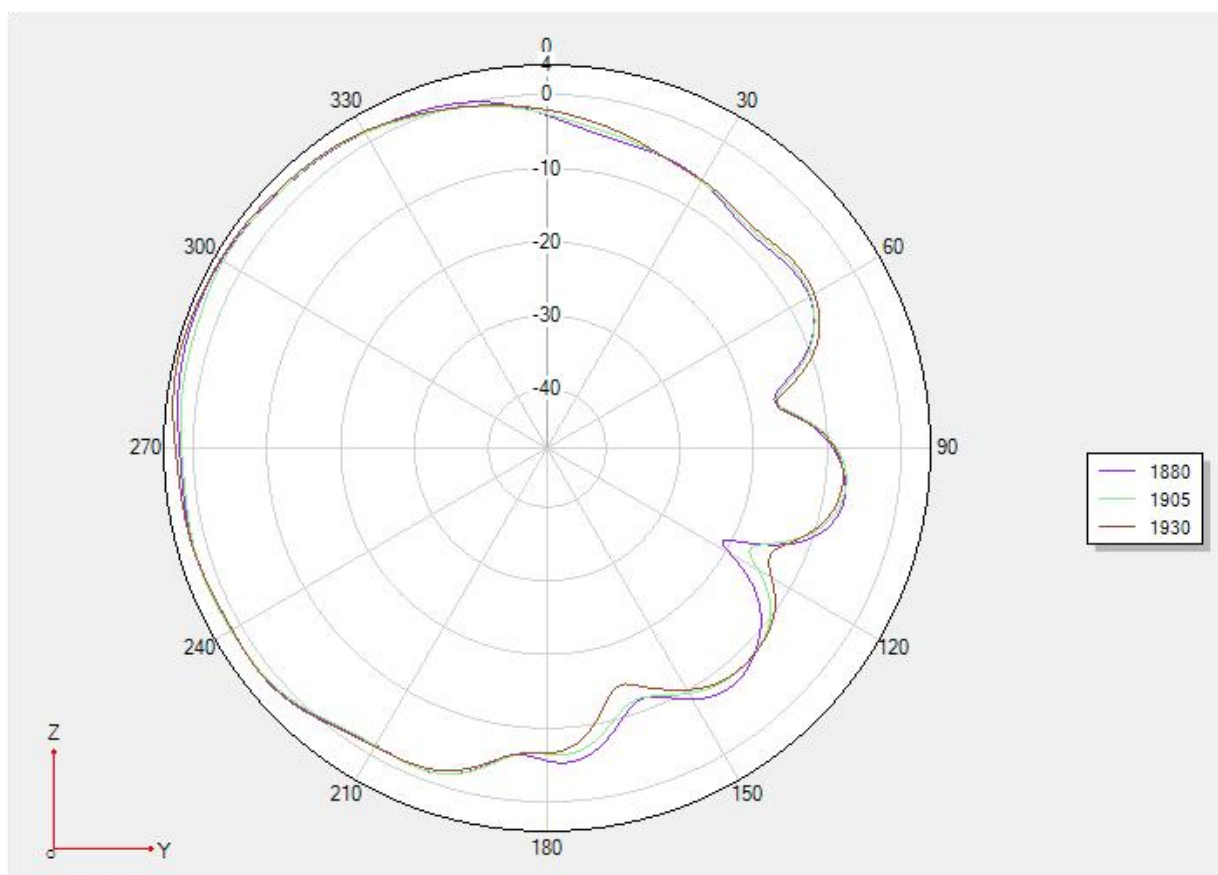


4. （人头模拟状态下）天线增益效率 Antenna gain efficiency under human head simulation

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
1880	-3.41	45.6	3.42
1885	-3.52	44.46	3.31
1890	-3.7	42.66	3.06
1895	-3.86	41.11	2.92
1900	-3.83	41.4	2.98
1905	-3.94	40.36	3.11
1910	-4.01	39.72	3.09
1915	-3.96	40.18	3.48
1920	-3.86	41.11	3.51
1925	-3.81	41.59	3.94
1930	-3.58	43.85	3.68

5. （人头模拟状态下）天线方向图 Antenna direction diagram (under human head simulation)





测试设备及原理 Testing Equipment and Principle

1. 测试设备：Test equipment

网络分析仪 Network Analyzers :

Agilent 8753D 5071B

综合测试仪 Communications Test Set:

Agilent E5515C/CMW500

3D 暗室测试系统 3D Chamber Test System:

2. 测试原理：Test principle

