

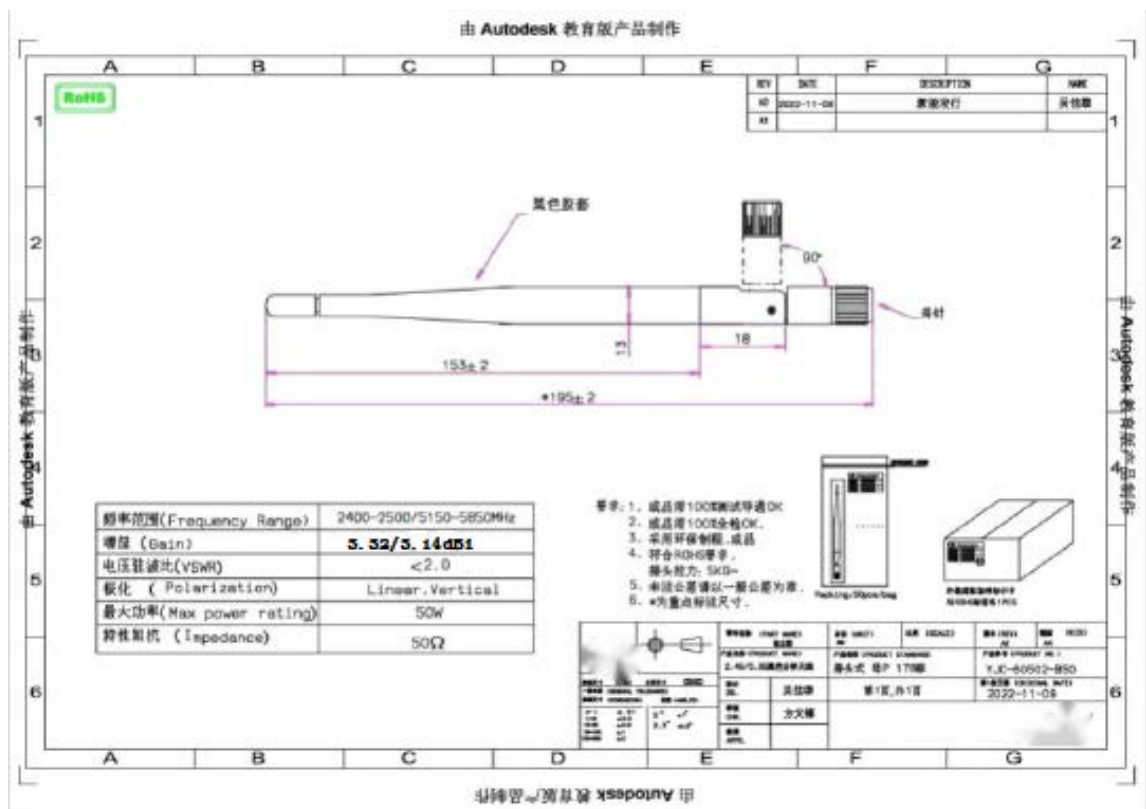


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3DB 2.4G&5.8G WIFI Antenna

Antenna Plan:





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Antenna technical parameters and environmental testing

Electrical technical Parameter			
电 性 能 指 标		Electrical Specifications	
频率范围	2400-2500/5150-5850MHz	Frequency Range	2400-2500/5150-5850MHz
电压驻波比	<2.0	VSWR	<2.0
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	3.32/3.14dBi	Gain	3.32/3.14dBi
机 械 指 标		Mechanical Specifications	
天线颜色	黑色	Antenna Color	Black
接口形式	SMA	Input connector	SMA
天线长度	195 mm	Length of antenna	195 mm
工作温度	-20℃~+70℃	Working Temperature	-20℃~+70℃
工作湿度	20%~80%	Working Humidity	20%~80%

Environment Performance Test:

Item	Test Condition	Specification
Storage Environment	Test the temperature, humidity, and air pressure in the absence of specification as follows: 1. The temperature is -20℃~+70℃ 2. The relative humidity is 45%-85% 3. Air pressure is 86kpa-106kpa	Electrical and mechanical properties are normal
high and low temperature test	5 cycles between 70℃ and -20℃, then under normal conditions 1-2H, check the appearance quality.	The size should meet the requirements and should meet the mechanical and electrical properties
Resistance to constant humidity and heat test	Relative humidity 95±3%, test temperature: 40℃. After 2H continuous action, Measure the electrical properties within 5 minutes after the sample is taken out, and the sample is under normal conditions in 1-2H, check the appearance quality	The size should meet the requirements and should meet the mechanical and electrical properties
Vibration test	Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/S, frequency sweep cycles: 30 times	Electrical and mechanical properties are normal
Drop Test	Free fall 3 times from a height of 1 meter in the direction of mutually perpendicular axes	Electrical and mechanical properties are normal



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Antenna Picture:



Antenna Performance test:



2D .3D Test Data (2.4G/5.8G) :

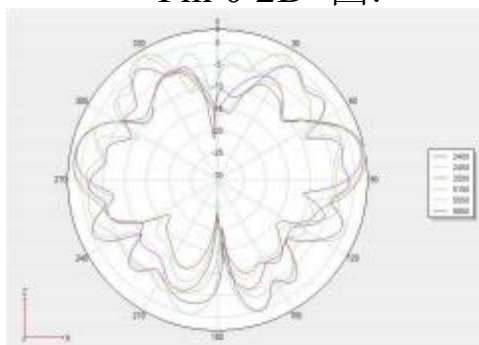
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400MHz	45.81	2.31
2410MHz	48.19	2.42
2420MHz	49.77	2.78
2430MHz	50.7	3.14
2440MHz	50.35	3.04
2450MHz	53.7	3.08
2460MHz	53.95	3.08
2470MHz	55.34	3.32
2480MHz	55.46	3.14
2490MHz	57.41	2.75
2500MHz	56.49	2.65
5150MHz	53.95	1.9
5250MHz	49.43	3.14
5350MHz	47.32	3.04
5450MHz	45.08	3.09
5550MHz	52.36	2.3
5650MHz	53.7	2.12
5750MHz	51.05	1.81
5850MHz	48.42	2.05



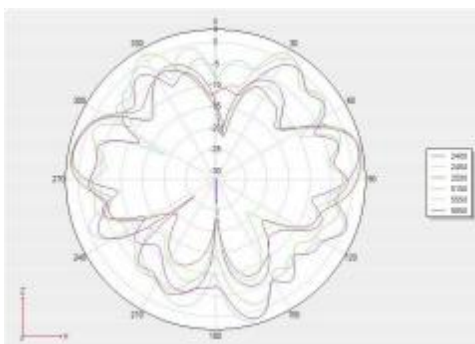
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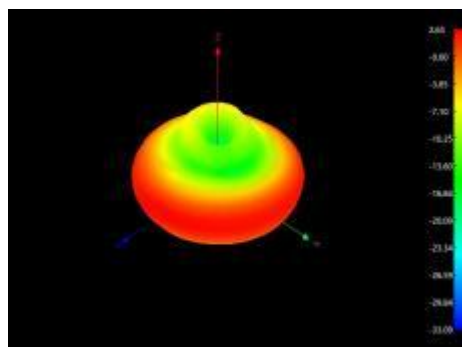
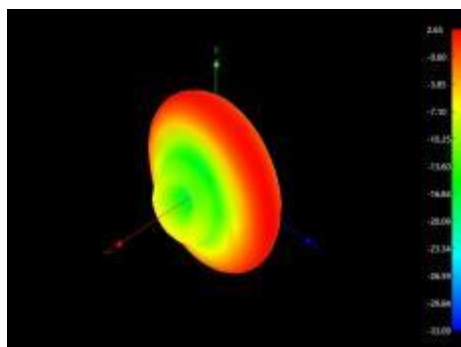
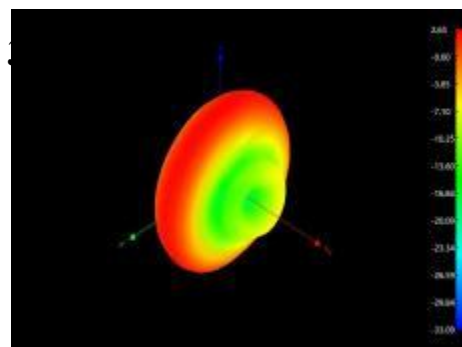
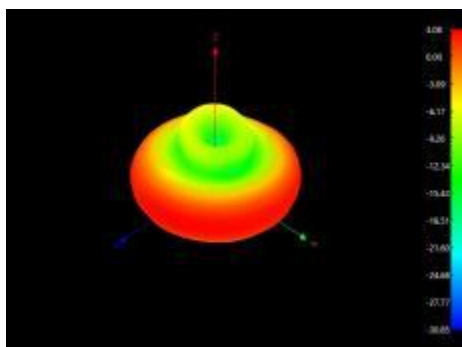
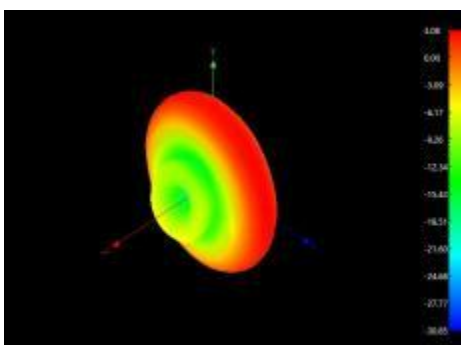
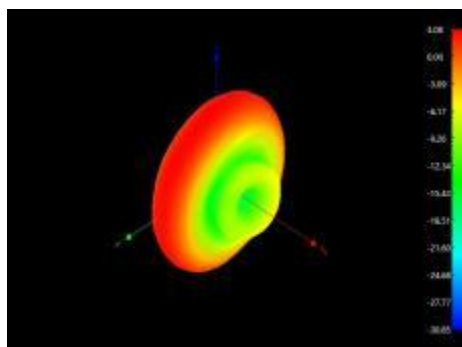
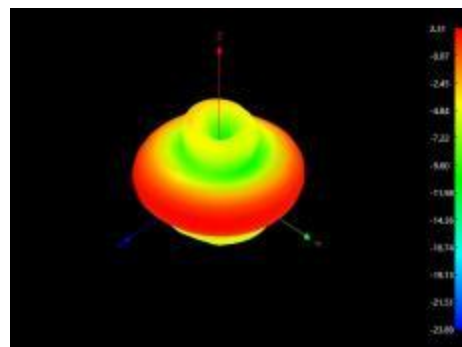
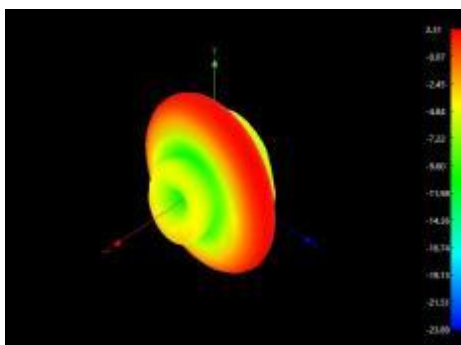
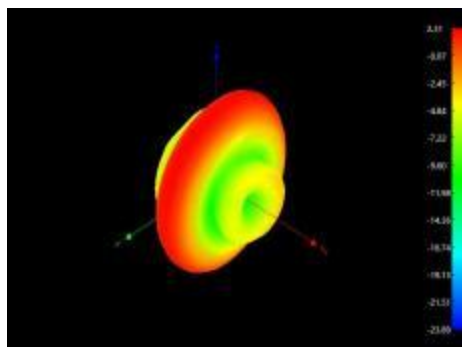
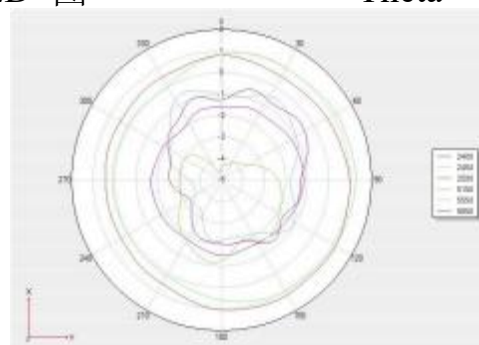
Phi 0 2D 图:



Phi 90 2D 图



Theta

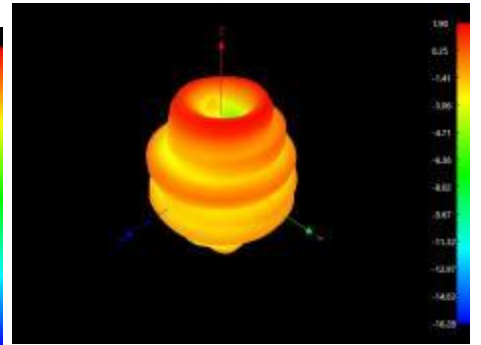
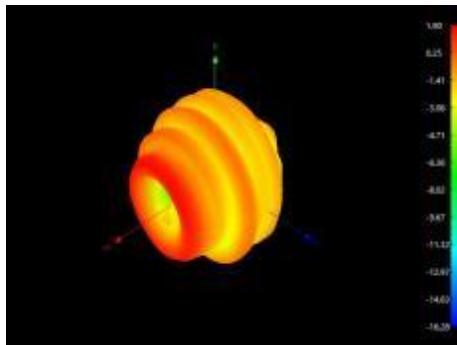
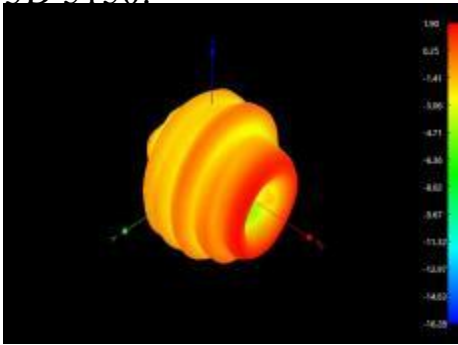




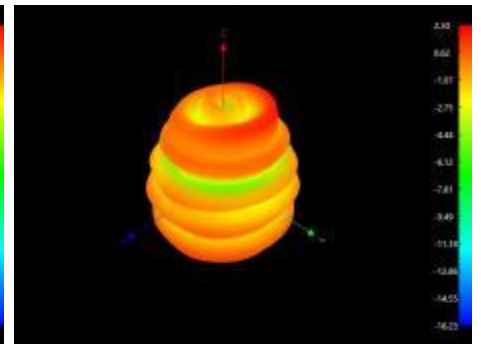
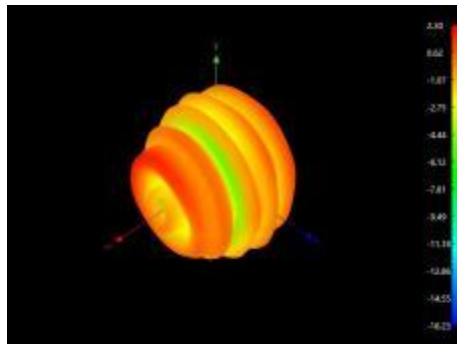
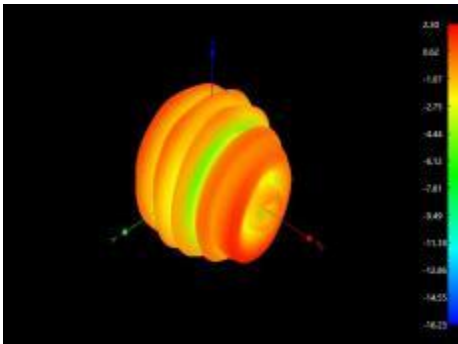
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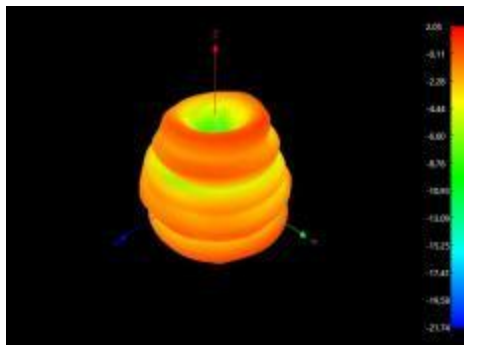
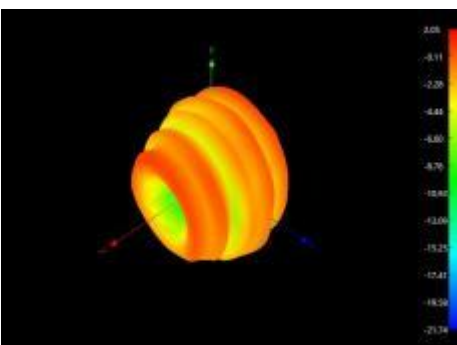
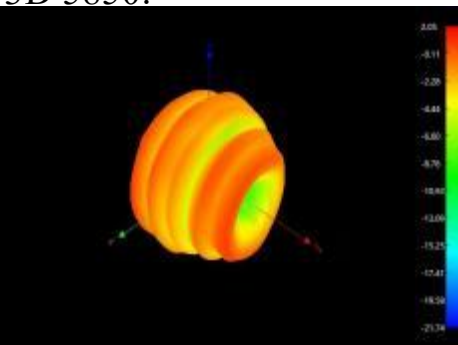
3D 5150:



3D 5550:



3D 5850:



ROHS Material Control Report											
兹证明向贵司交货的零组件、辅助材料所使用的原材料、以及生产工程中的添加剂等均符合 RoHS 限制使用有害物质指令的环保要求 (RoHS 指令 2011/65/EC)											
关于零组件、辅助材料所使用的原材料、包装材料以及和产过程中使用的添加剂等的构成成份报告如下：											
组成物料名称 Component /Part Name	组成材料 Material Composition	ICP 报告编号 ICP report #	测试机构 Test Org.	测试时间 Test Date	有害物质含量(ppm)						是否合格? PASS?
					Cd	Pb	Hg	Cr ⁶⁺	PBB	PBDE	PASS
PCB	PCB	SHAEC2125787204	SGS	21/12/02	ND	9	ND	ND	ND	ND	PASS
塑胶件	ABS	CANML2204785512	SGS	22/03/30	ND	ND	ND	ND	ND	ND	PASS
	PC	SZXML2200130001	SGS	22/01/20	ND	ND	ND	ND	ND	ND	PASS
SMA	铜合金	CANEC2200189312	SGS	22/01/12	ND	27364	ND	ND	ND	ND	PASS
	胶芯	SHAEC22000767002	SGS	22/08/23	ND	ND	ND	ND	ND	ND	PASS
	镍镀层	SZXEC2103405307	SGS	21/11/12	ND	28	ND	ND	ND	ND	PASS
环保锡丝	环保锡丝	SHAEC2206174502	SGS	22/06/13	ND	181	ND	ND	ND	ND	PASS
线材	铁氟龙同轴 线缆	SZXEC2202766604	SGS	22/08/18	ND	ND	ND	ND	ND	ND	PASS
弹簧	铜	CANEC2219550104	SGS	22/09/16	ND	20	ND	ND	ND	ND	PASS