



APPROVAL SHEET

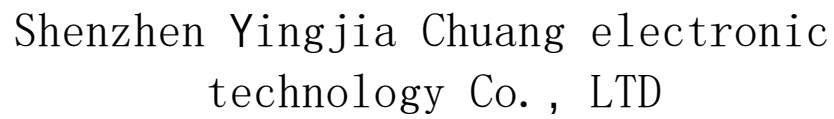
承认书

CUSTOMER NAME 客户名称		
CUSTOMER P/N 客户料号		
PART NAME 品 名	WIFI-1 Black FPC internal antenna TO SMB male pin L=90MM	
P/ N 料 号	YJC-6N090-S02	
APPROVAL REV. 版 次	A0	
DELIVERY DATE 送样日期	June 17, 2024	
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APPROVED BY 核 准	Xiao han	
Customer Approved 客 户 承 认		
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Antenna technical parameters and environmental testing:

电气技术参数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	<1.92	VSWR	<1.92
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	3.0±1dBi	Gain	3.0±1dBi
机 械 指 标		Mechanical Specifications	
线材颜色	棕色	Wire color	brown
接口形式	SMB	Input connector	SMB
线材长度	90mm	Wire length	90mm
工作温度	-20℃~+70℃	Working Temperature	-20℃~+70℃
天线类型	FPC	Antenna type	FPC



天线实物图 Antenna diagram:



天线性能测试图 Antenna performance test diagram

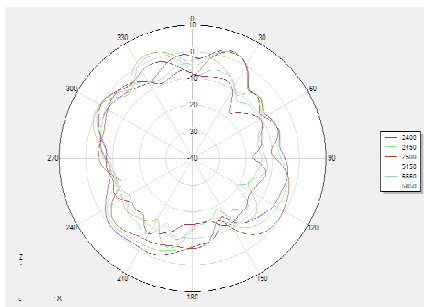




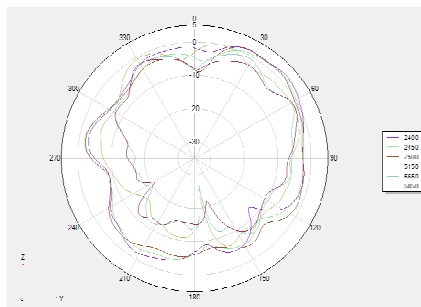
2D、3D test data(2.4G/5G):

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	45.39	3.64
2410MHz	47.32	2.98
2420MHz	48.42	3.26
2430MHz	48.53	3.22
2440MHz	50.93	3.14
2450MHz	49.55	2.92
2460MHz	50.47	2.95
2470MHz	50.93	2.79
2480MHz	49.09	2.60
2490MHz	49.77	2.50
2500MHz	44.16	2.55
5150MHz	51.64	2.83
5250MHz	58.21	2.72
5350MHz	59.02	3.17
5450MHz	59.02	2.75
5550MHz	62.09	2.46
5650MHz	56.49	2.80
5750MHz	56.36	2.22
5850MHz	55.72	2.02

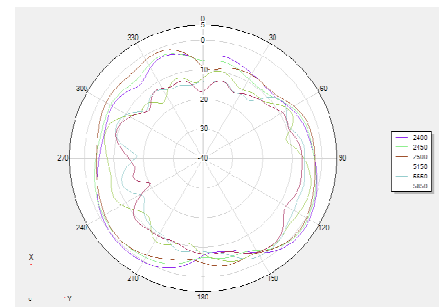
Phi 0 2D picture:



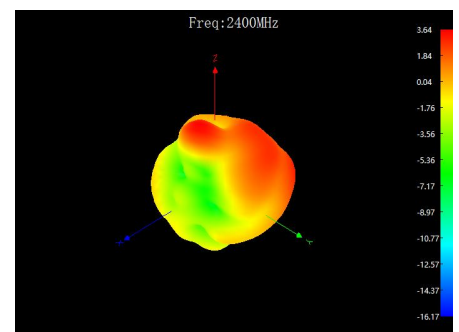
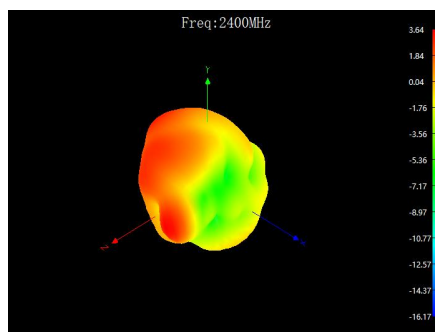
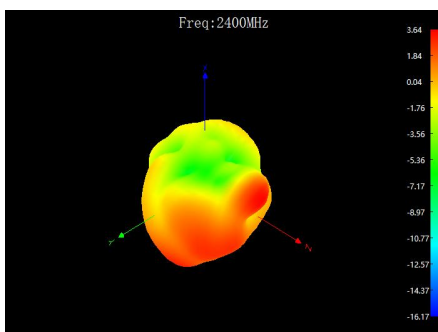
Phi 90 2D picture



Theta 90 2D picture

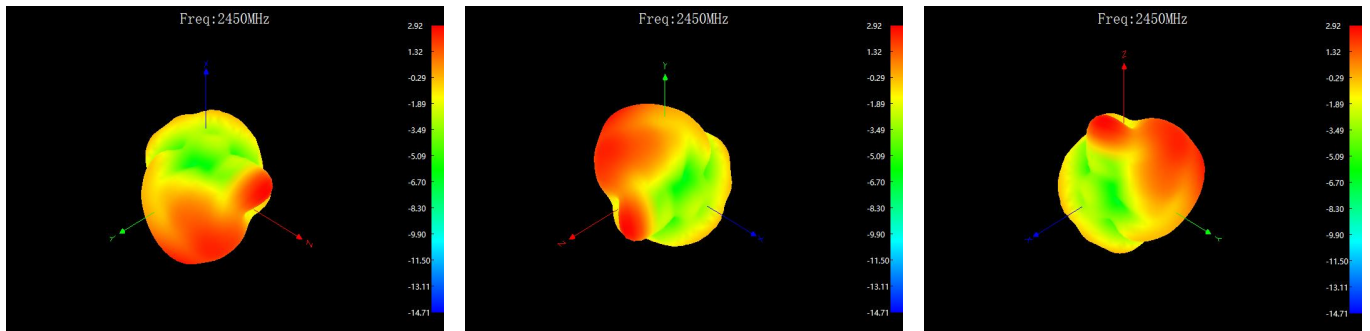


3D 2400:

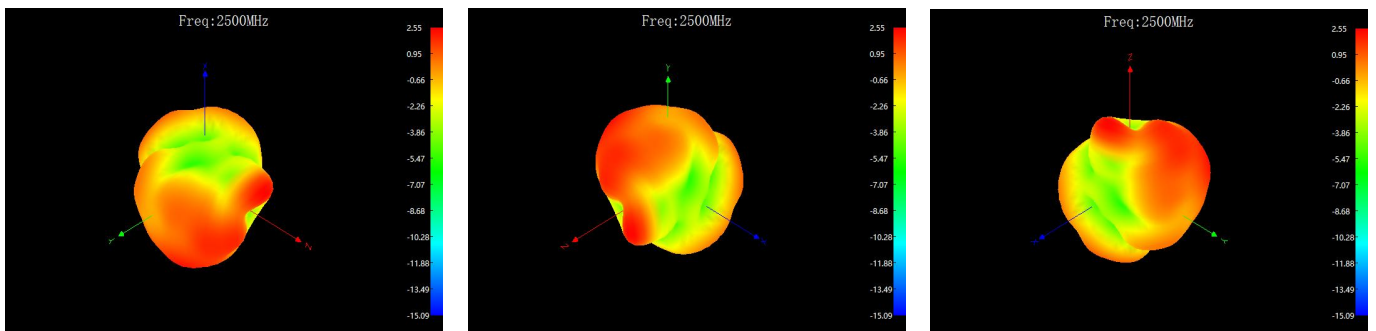




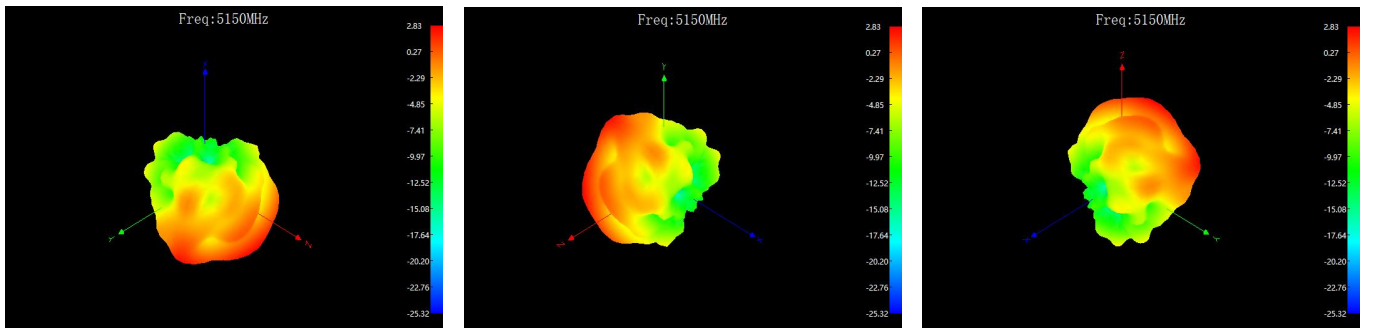
3D 2450:



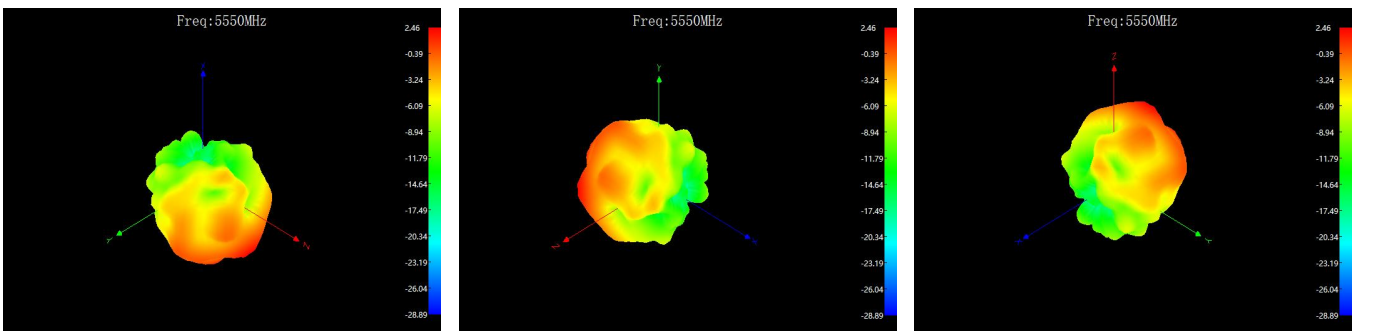
3D 2500:



3D 5150:



3D 5550:





3D 5850:

