



承 认 书

SPECIFICATION FOR APPROVAL

Customer:	昱能科技股份有限公司
Customer's PN:	
Product name:	WIFI Antenna
Baiao PN:	BIO-F118-02
Date:	2024-03-05
Specifications:	2.4GHz black antenna cap, connected to 1.13 black wire*160mm, connected to IPEX, gray sleeve

Customer check

Engineering Department	Quality department	Approved

东莞市百傲电子科技有限公司

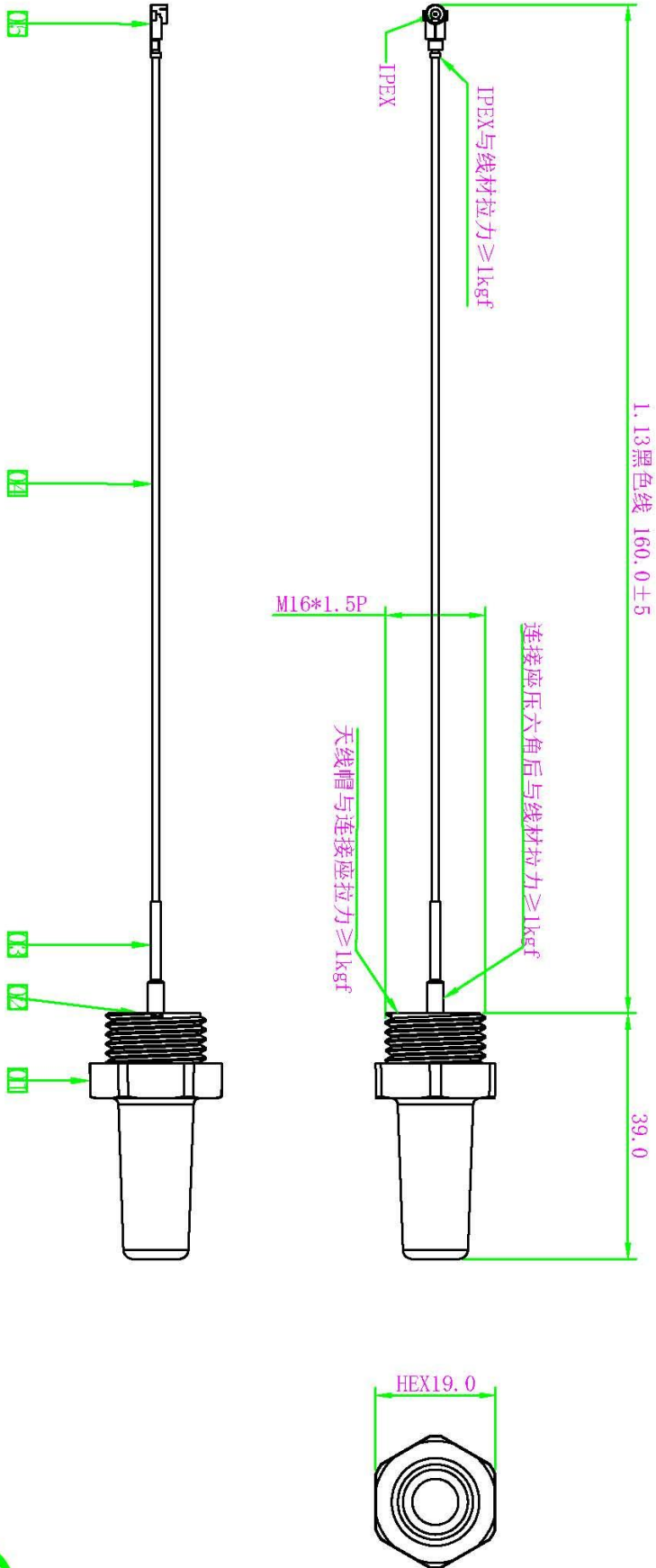
Baiao Electronics Technology Co ,Ltd

Engineering Department	Quality department	Approved
董霞		

SPECIFICATION

1. Description	WIFI Antenna
2. Mechanical Characteristics	
Connector	IPEX
Cable	1.13
Color	Black
Appearance	See attached drawing
3. Electrical Characteristics	
Operating Frequency	2.4GHz
Gain	2.7dBi
Impedance	50 Ohm
V.S.W.R	2.0:1 Max
Polarization	Linear
4. Operating Temperature	-20℃ ~ +65℃
5. Storage Temperature	-40℃ ~ +85℃

Item	品名	用量	材质/表面
1	天线帽	1	PA66+25%GF (FR50)/黑色
2	连接座	1	黄铜/本色
3	热缩套管	1	EVA/灰色
4	1.13线	1	铁氟龙/黑色
5	IPEX	1	铜/镀金

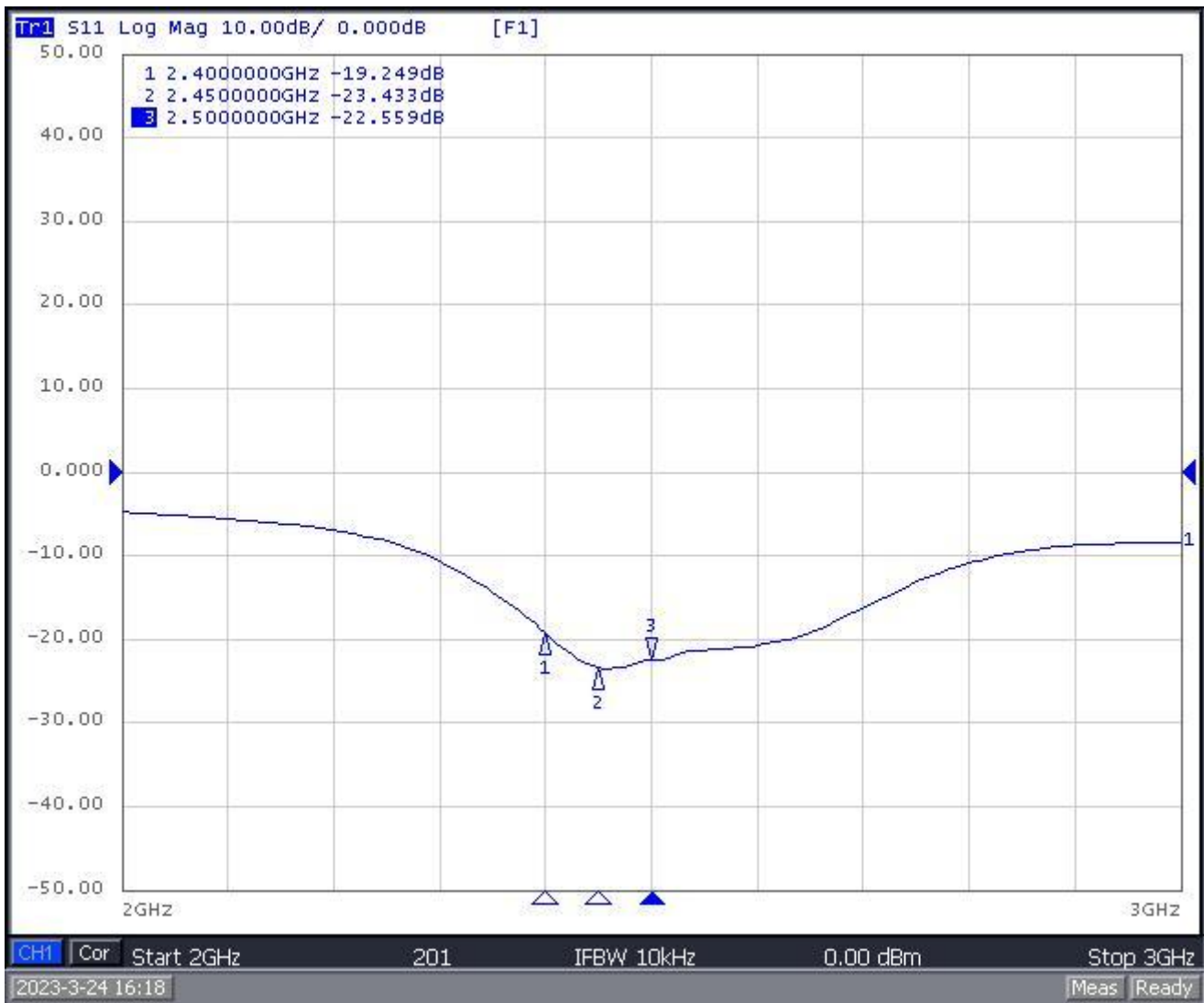


A4		追加拉力要求		2022-04-04	
版本/Rev.		设计变更/Design alteration		日期/Date	
A		B		C	
D		E		F	
品名/Name		WIFI Antenna		比例/Scale	
机种/Product number		BIO-P118-02		单位/Unit	
第三角法投影 Third angle projection		检验项目/Check Item		页码/Pages	
设计/Design		审核/Check		核准/Approval	
董霞		*		1/1	
一般公差/Tolerance		Range		Metal	
		0~20		±0.05	
		21~30		±0.1	
		31~100		±1	
		101~		±2	
				Plastic	
				±0.2	
				±1	
				±1	
				±2	

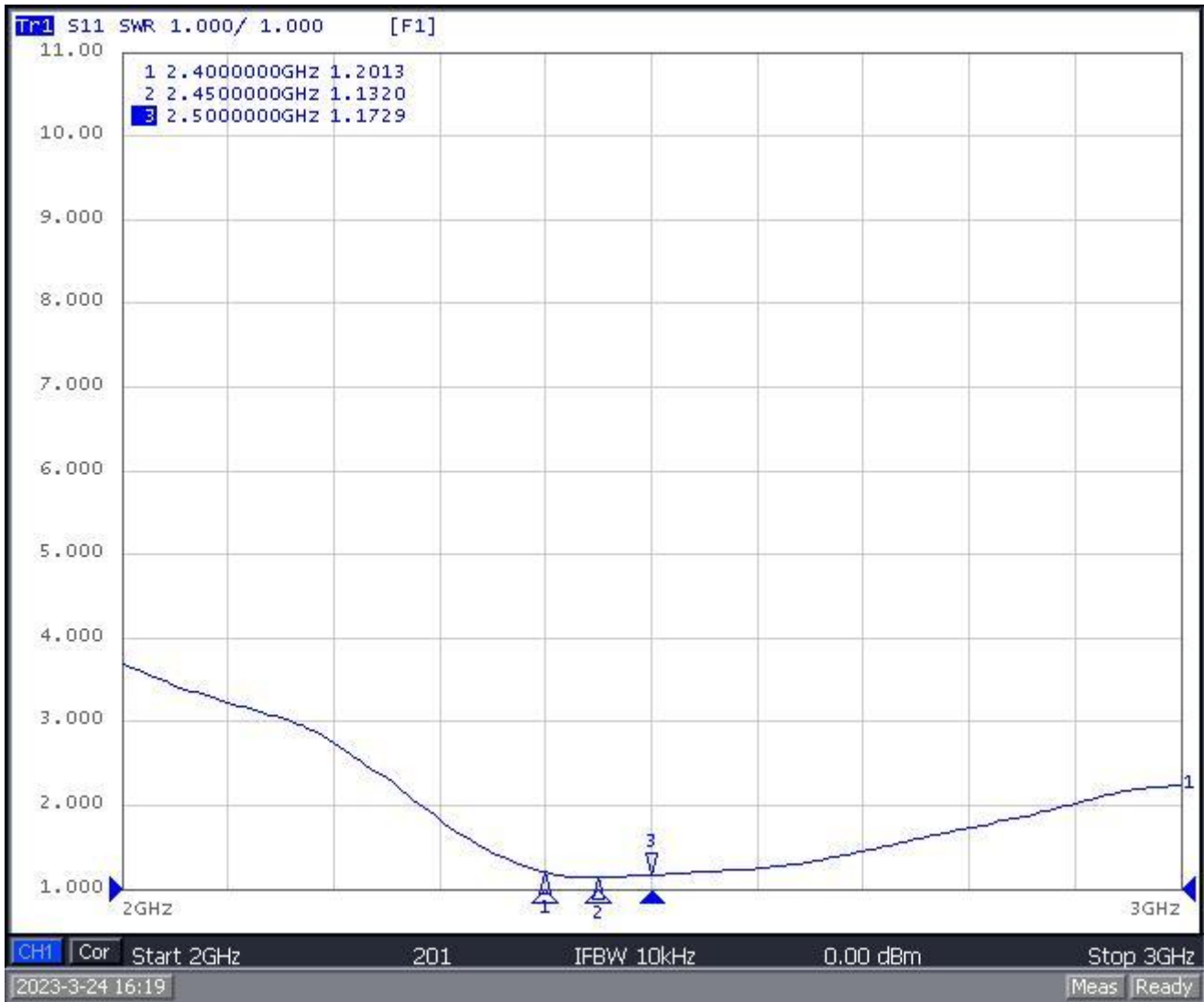
ELECTRONICAL CHARACTERISTICS

项目 ITEM	测试环境 TEST CONDITION	规格 SPECIFICATION
1 返回损耗 RETURN LOSS	使用网络分析仪测量天线 S11 之返回损耗参数 Using Network Advantest to Measure Antenna S11 Return loss Characteristics	附图 1 Graph 1
2 电压驻波比 VSWR	使用网络分析仪测量天线 S11 之电压驻波比参数 Using Network Advantest to Measure Antenna S11 VSWR Characteristics	附图 2 Graph 2
3 辐射方向图 Radiation Pattern	使用 OTA 三维暗室测试天线增益和辐射方向图 Using OTA 3D Chamber to Measure Antenna Gain and Radiation Pattern	附图 3 Graph 3

附图一：RETURN LOSS

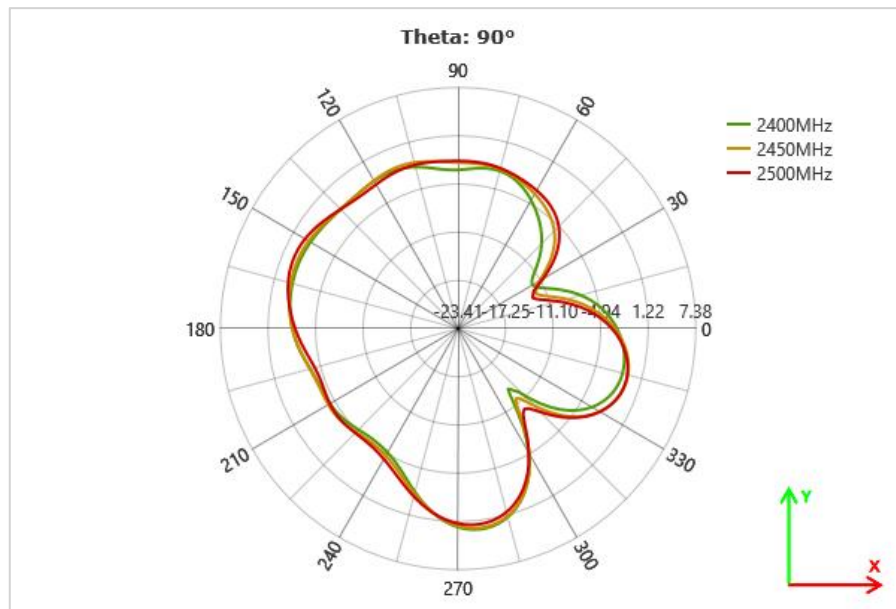
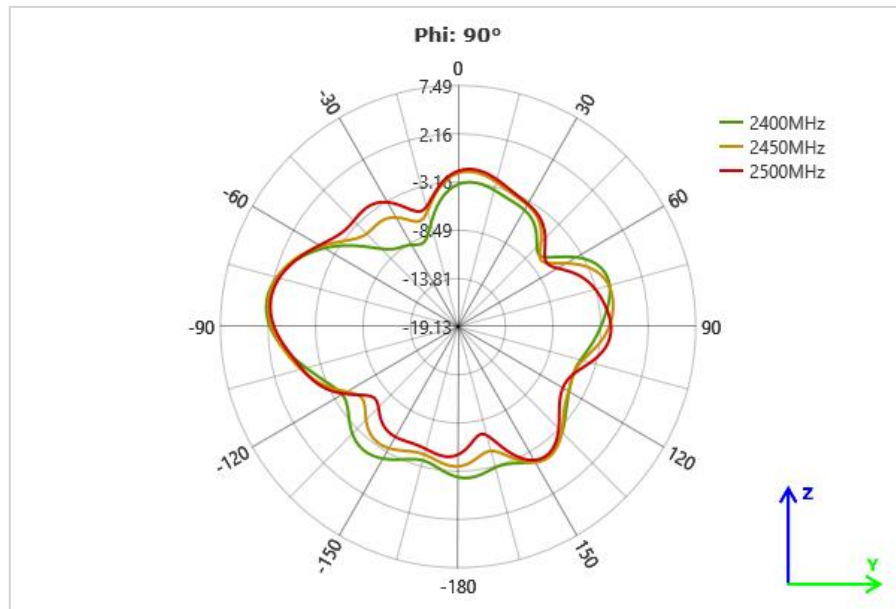
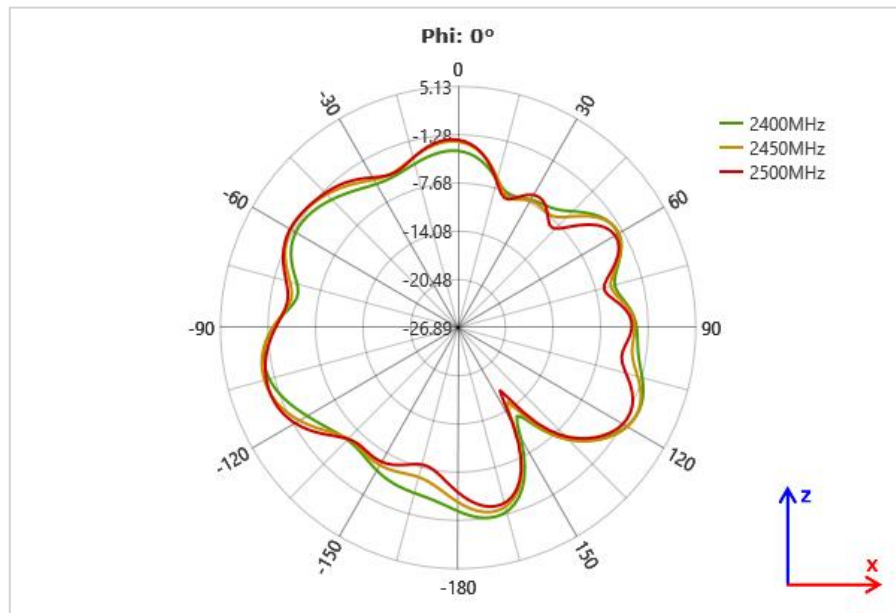


附图二: V.S.W.R

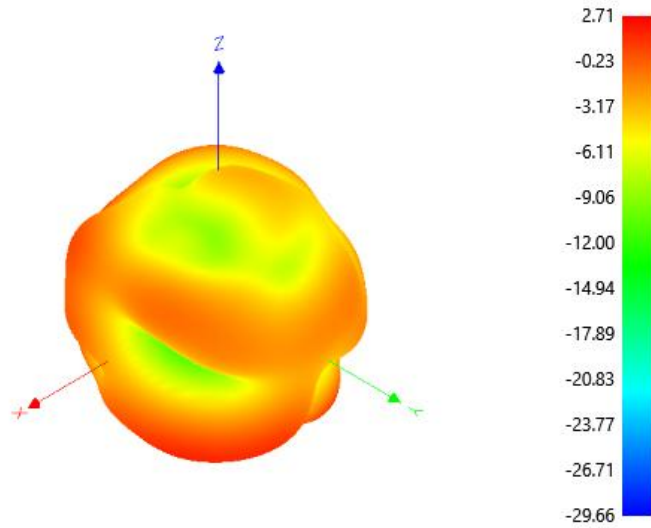


附图三：Radiation Pattern

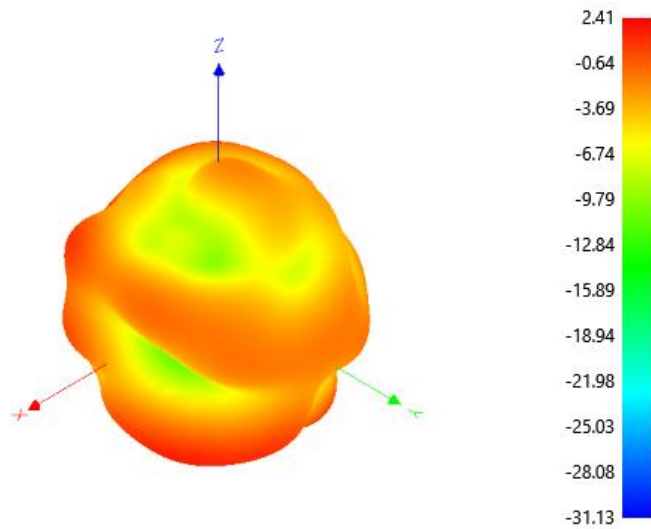
2.4GHz



Freq: 2400MHz (AxisZ)



Freq: 2450MHz (AxisZ)



Freq: 2500MHz (AxisZ)

