

产品规格书

SPECIFICATION

KTC产品名称: 2.4GHz BT 天线
DESCRIPTION: 2.4GHz BT Antenna

KTC产品编码: 6150-022011-71000001
MATERIAL CODE: 6150-022011-71000001

供应商产品名称: IPEX一代-1.13蓝-FPC-L220WIFI天线
SUPPLIER PRODUCT NAME: IPEX-1.13Blue-FPC-L220WIFI Antenna

供应商物料编码: 132500-1039-10220
SUPPLIER MATERIAL CODE:132500-1039-10220

送样日期: 2024.12.2
RECEIVED DATE:

深圳市兆赫通信技术有限公司 Shenzhen Zhaohe Communication Technology Co., Ltd		
拟制 PREPARED BY	审核 CHECKED BY	批准 APPROVE BY
林伟栋	蒋新平	何超

备注: 承认盖章后请回复一份承认书(或复印件)给我司, 其余由贵公司存档。

REMARK: Please send us one (or copy) of this approval with stamp after accepting, other copies filed by the customer.

地址: 深圳市龙岗区龙西社区五联路25号6栋2楼

ADD: 2nd Floor, Building 6, No. 25, Wulian Road, Longxi Community, Longgang District, Shenzhen.

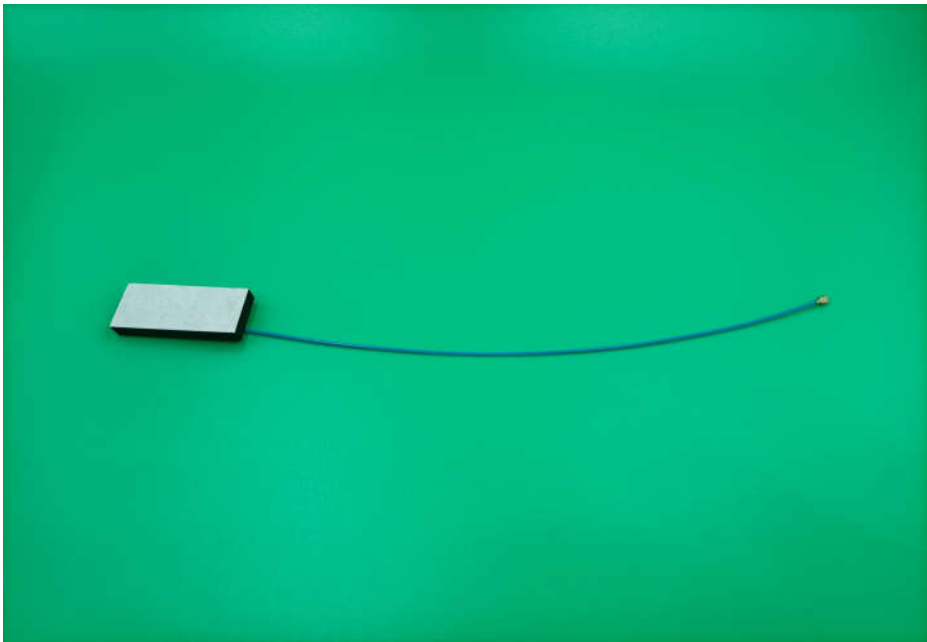
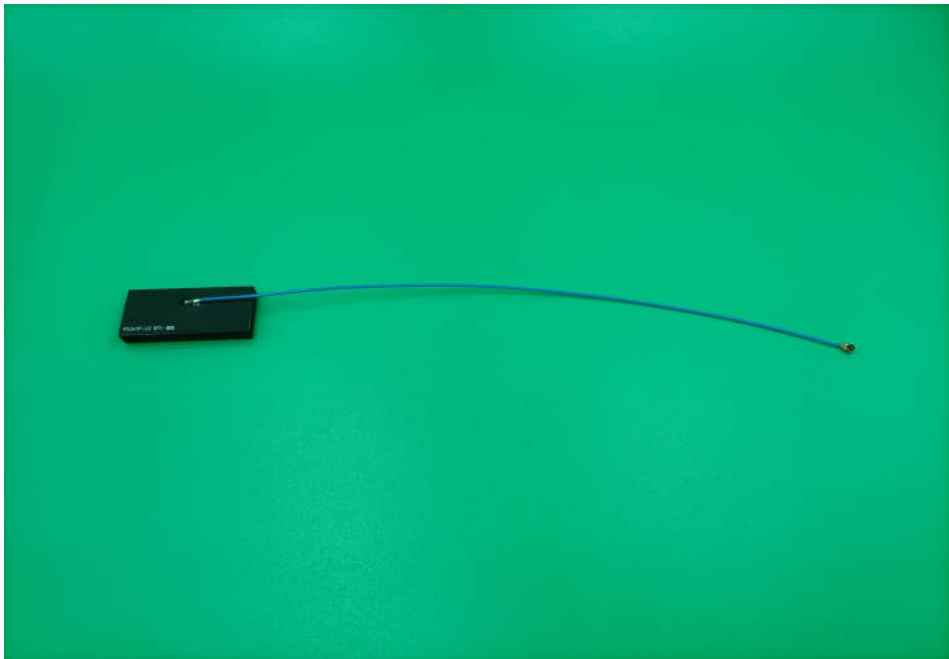
邮编 Postal code:

电话 Tel: 075528715836

修订履历 REVISION HISTORY

[illegible]

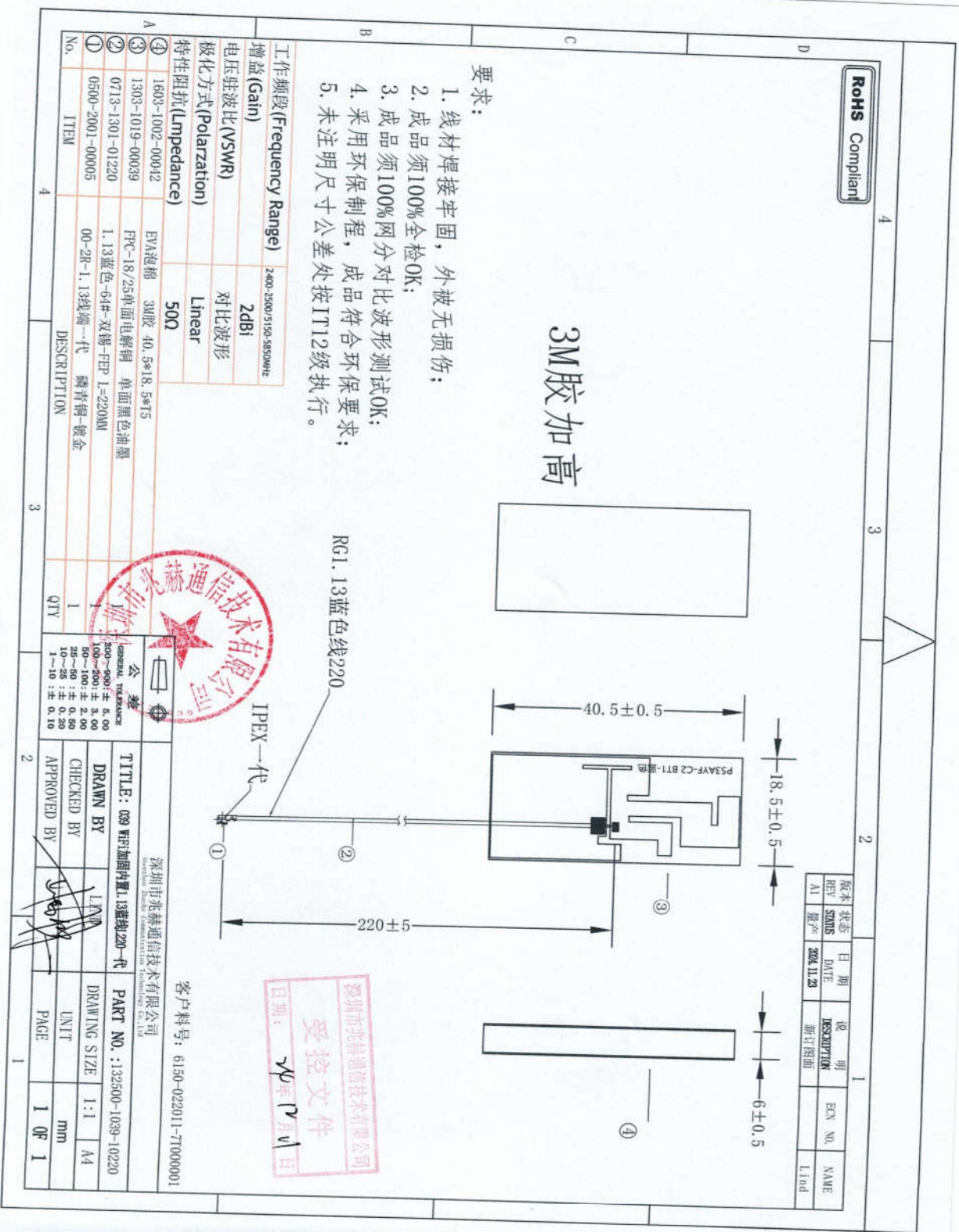
四：产品实物图Product drawings



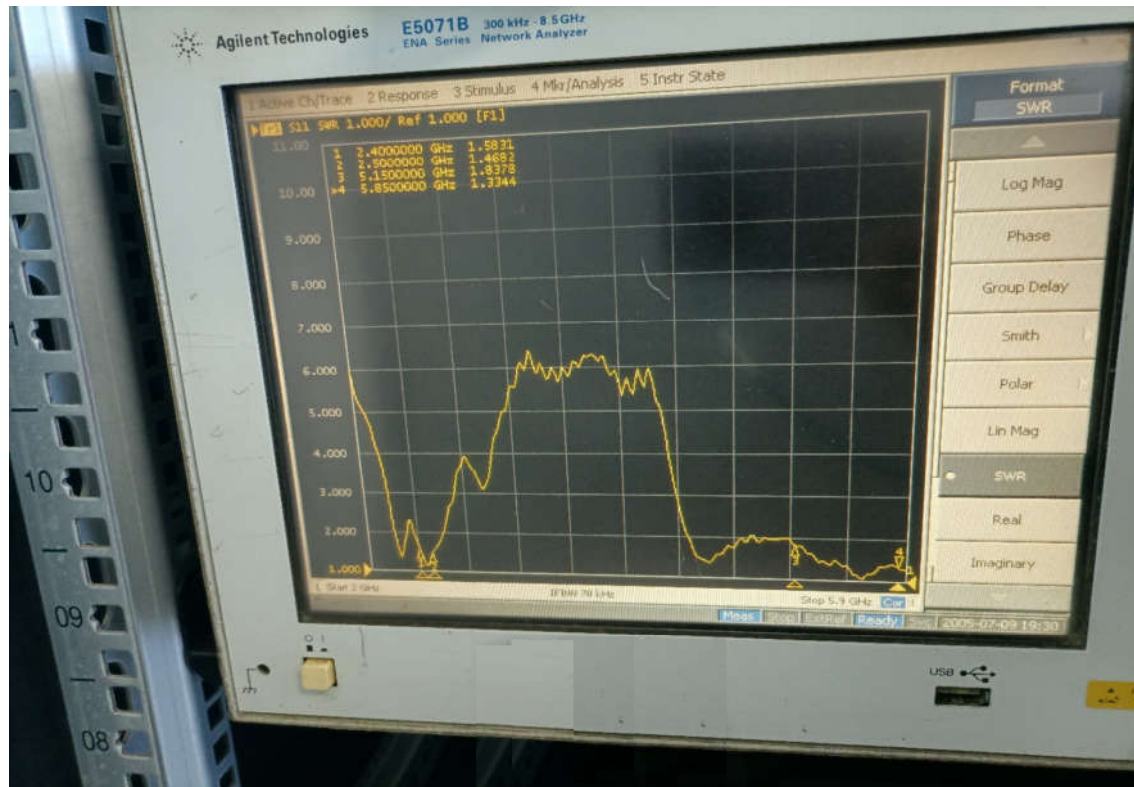
五：Antenna Specification/天线技术参数

Electrical Specification/电气特性		
Item/目录	Specification/规格	Comment/备注
Freq. Range/频段范围	2400-2500MHz	
Impedance/阻抗	50Ω	
Directional/辐射方向	Omni Directional	
Polarization/极化形式	Vertical	
Peak Gain/峰值增益	2.4G:2.5dBi	
Test Condition/测试条件	Passive test	
Power Handling/承受功率	5W	
Mechanical Specification/机械指标		
Antenna Type/天线类型	FPC	
Mating Connector Type/连接器类型	IPEX1	
RF Cable Type/射频线型号	1.13	
Size/外形尺寸	40mm*18.5mm	
Mounting/固定类型	Adhesive tape	
Weight/重量	1.4g	±0.3
Pull Test/拉拔力	1kg MIN	
Salt Spray/盐雾测试	48H	
Environmental Specification/环境指标		
Operating temp/工作温度	-20℃~+80℃	
Storage temp/存储温度	-20℃~+80℃	

六.工程图 ENGINEERING DRAWING



七.测试图 test data

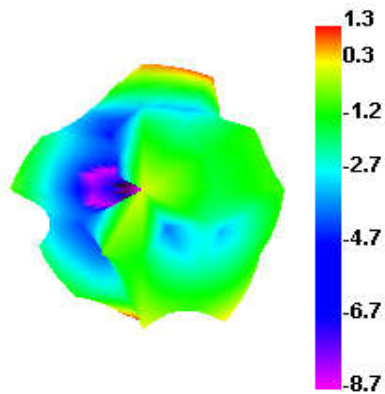


7.2 The test result of total efficiency and total gain/天线效率及增益测试结果

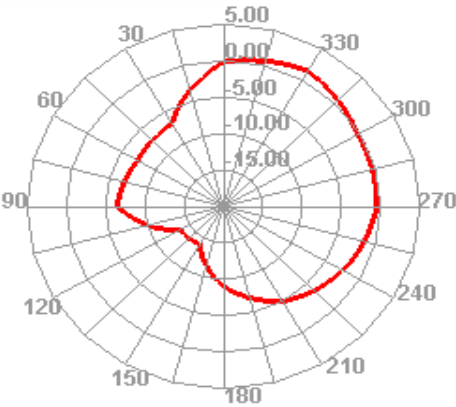
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	44.94	-3.47	1.29
2410	45.37	-3.43	1.39
2420	46.88	-3.29	1.72
2430	47.62	-3.22	1.89
2440	48.77	-3.12	1.83
2450	45.14	-3.45	1.39
2460	45.32	-3.44	1.41
2470	45.88	-3.38	1.72
2480	48.5	-3.14	2.11
2490	52.31	-2.81	2.5
2500	51.46	-2.89	2.34

6.3 The antenna radiation pattern/天线辐射方向图

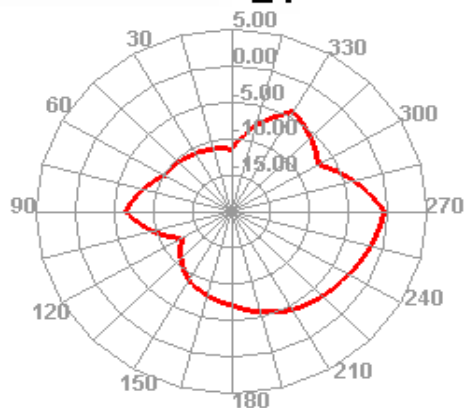
2400.000MHz



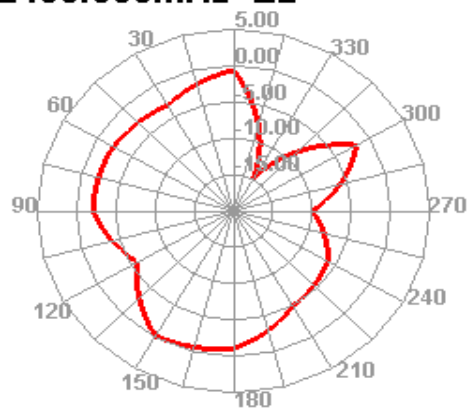
2400.000MHz H



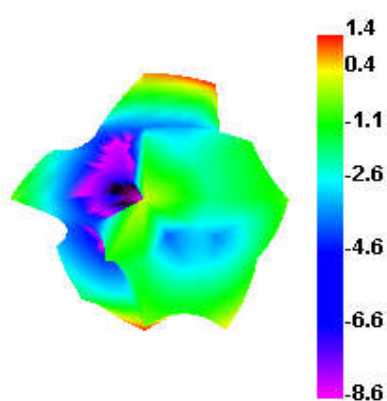
2400.000MHz E1



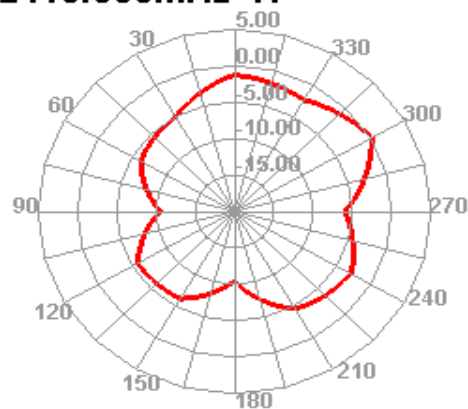
2400.000MHz E2



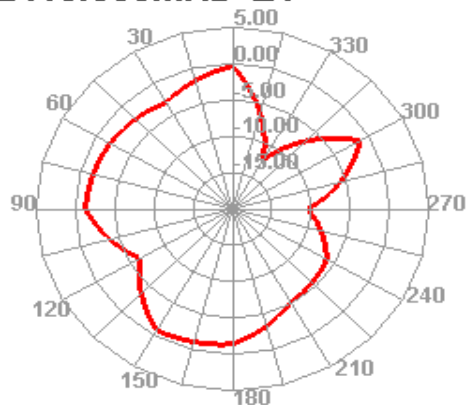
2410.000MHz



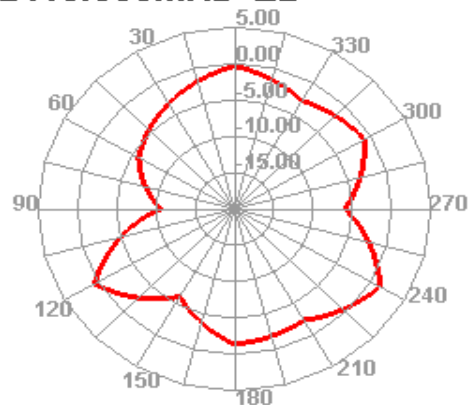
2410.000MHz H



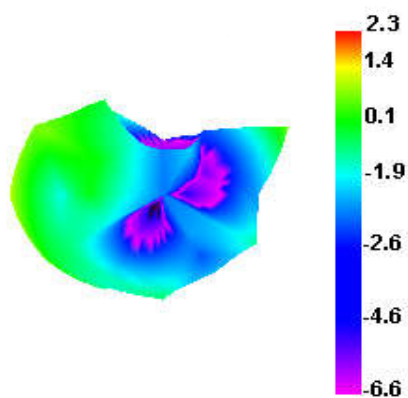
2410.000MHz E1



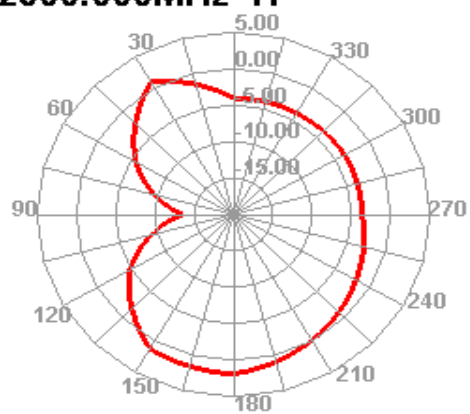
2410.000MHz E2



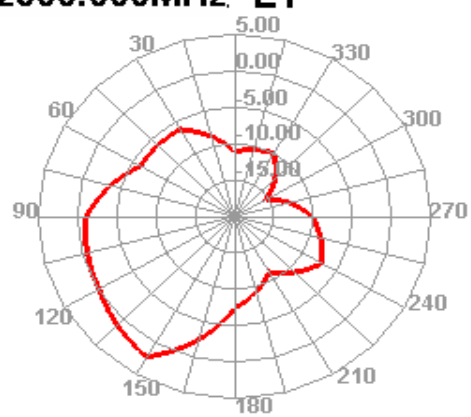
2500.000MHz



2500.000MHz H



2500.000MHz: E1



2500.000MHz E2

