

编号:

供应商名称	深圳市鑫恒阳科技有限公司				
物料名称	WIFI天线	物料编号		1	
物料描述	WIFI - FPC (XHY-JT156C-H06-WIFI-V1.0) +0.81*175MM 黑色同轴线/3代单头端子焊接				
供应商编码	00920008		参考申请单号		
适用机型	JT156C-H06		参考物料编号		
紧急程度	☐ 紧急 ☒ 一般				
承认类型	☒ 新物料 ☐ 物料变更 ☐ 储备供应商				
承认项目	☒ 外观 ☒ 尺寸 ☐ 重量 ☒ 结构 ☐ 电子性能 ☒ 试装 ☐ 其它				
包含资料	☒ ROHS ☐ SGS ☐ CE ☐ FCC ☐ UL ☐ MSDS ☐ 其它				
申请人:		申请日期:		接收人: 接收日期:	
开发部-电子				测试员	
测试结果	☐ 合格	☐ NG	☐ 其它	部门经理	
开发部-测试DQA				测试员	
测试结果	☐ 合格	☐ NG	☐ 其它	部门经理	
开发部-结构				测试员	
测试结果	☐ 合格	☐ NG	☐ 其它	部门经理	
开发部-项目经理				测试员	
测试结果	☒ 合格	☐ NG	☐ 其它	部门经理	
工程部				测试员	
测试结果	☐ 合格	☐ NG	☐ 其它	部门经理	
品质部测试				测试员	
测试结果	☐ 合格	☐ NG	☐ 其它	部门经理	
承认结果	☐ 临时承认	☐ 承认	☐ 不承认	总经办	

- 注明:
- 1、所有物料需经过2名相关负责人签名确认。
 - 2、此函由发出部门负责存档，另备一份由研发部、品质部保管，以备查明。
 - 3、紧急物料需在4H内承认完成，一般物料在8H内承认完成。
 - 4、显示屏等关键物料需3天承认完毕
 - 5、电子\结构\测试\项目经理需同步变更

保存期限: 3年

FORM NO:PS. 015A

流转流程: 采购科→开发科→工程科→ 品质科



承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer Name: 深圳市钜弘科技有限公司

产品型号 Product Model: JT156C-H06

客户料号 Customer P/N :

鑫恒阳料号 XINHENG YANG P/N: CP. 21. 0000100

产品规格 SPEC IFFCATIONS: WIFI FPC (XHY-JT156C-H06-WIFI-V1.0)
+0.81*175MM 黑色同轴线/3代单头端子焊接

制作日期 Production date: 2024. 09. 19

封样版本 Sample Version: V1

鑫恒阳 (XINHENG YANG)		
编制 (FICTION)	结构 (SE)	研发 (R&D)
客户 (Customer)		
采 购 (PUR)	品质 (QC)	研发 (R&D)

生产厂商: 深圳市鑫恒阳科技有限公司

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三、变更履历 (Change history)

Number	Effective date	Change record
V1	2024.09.19	Initial release

四、基本参数 (The basic parameters)

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ 5150MHZ~5850MHZ
VSWR	<2.00
Avg Efficiency	2.4G > 40% 5.8G > 40%
Impedance	50 $\pm$ 15 Ohm
Polarization	Linear
Peak Gain	2.4G:2.74 dBi 5.8G:3.46 dBi
B. Material & Mechanical Characteristics	
Material of Radiator	FPC black
Cable Type	Φ 0.81MM*175MM $\pm$ 2MM
Connector Type	Third Generation
Dimension	31.20MM*26.30MM $\pm$ 0.2MM
C. Environmental	
Operation Temperature	- 20 . C ~ + 60 . C
Storage Temperature	- 30 . C ~ + 70 . C

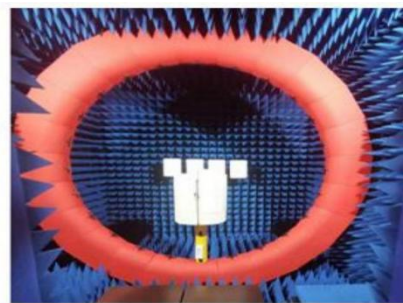
五、测试设备 Introduction:

Microwave darkroom and no reflection chamber, absorbing short wave darkroom dark room. Microwave darkroom by electromagnetic shielding room, filtering and isolation, grounding device, the ventilation duct, indoor distribution system, monitoring system, ceiling wave material part. It is based on the wave absorbing material as the lining of the shield room, it can absorb the most of the electromagnetic energy into the six wall is a better simulation of the free space conditions.

The main working principle of microwave anechoic chamber is according to the electromagnetic wave in the medium from the low magnetic guide magnetic direction of propagation rules, absorbing materials to guide the electromagnetic wave using high permeability, through resonance, a substantial absorption of electromagnetic wave radiation energy, by coupling the electromagnetic energy into heat energy.

main performance :

Frequency range:400MHz ~ 6GHz ceiling reflected wave loss materials: 400MHz ~ 6GHz is equal to or more than 15dB (microwave absorbing material by composite wave absorbing materials, namely tapered containing carbon sponge suction wave material paste in ferrite).



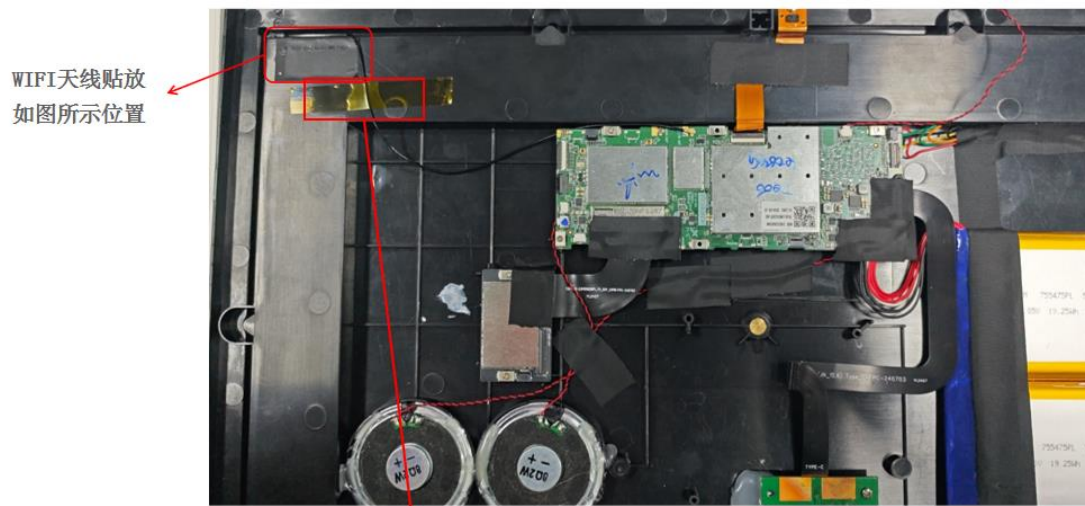
六. 性能测试报告 (Test Report)

Those specifications were specially defined for JT156C-H06 model.

1. Antenna position:



如图所示，WIFI天线顶部边缘与
后壳侧边底部槽线对齐贴放



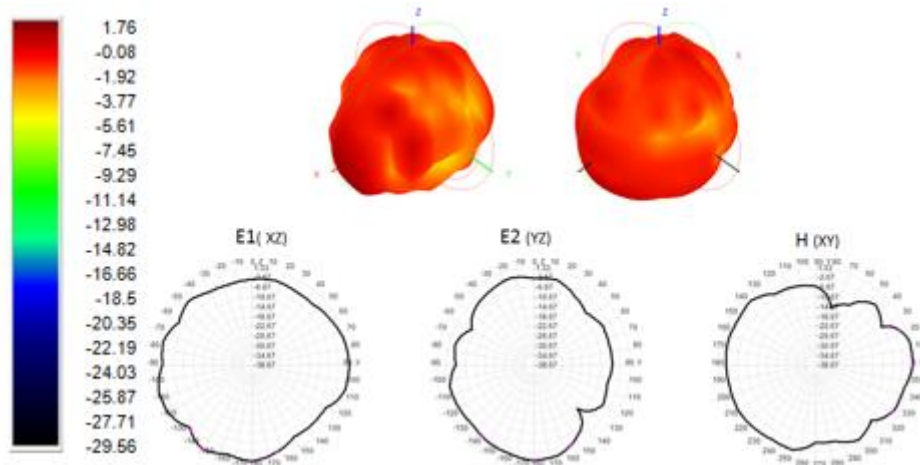
WIFI天线贴放
如图所示位置

已与黄工已沟通：后续组装时，此处同轴线贴
麦拉是防止外壳压伤同轴线，起减缓作用！

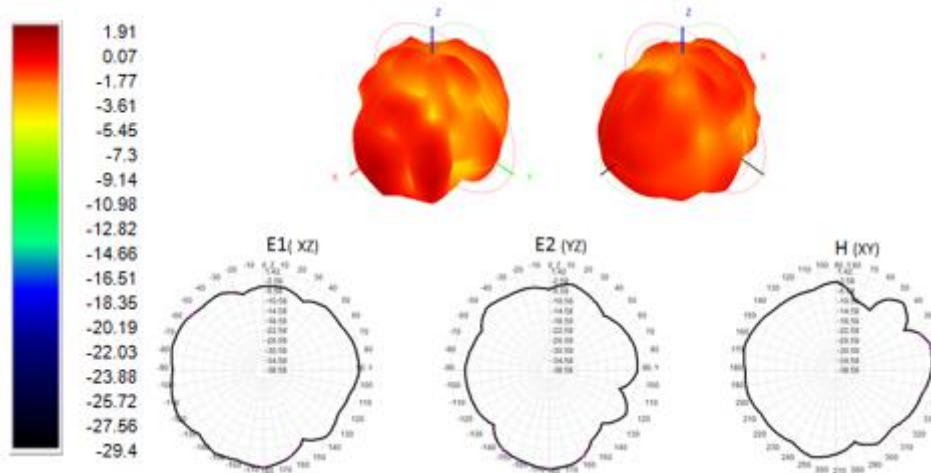
2. Antenna passive field pattern and passive efficiency gain table:

WIFI-2.4G:

Radiation Patterns (2400MHz)

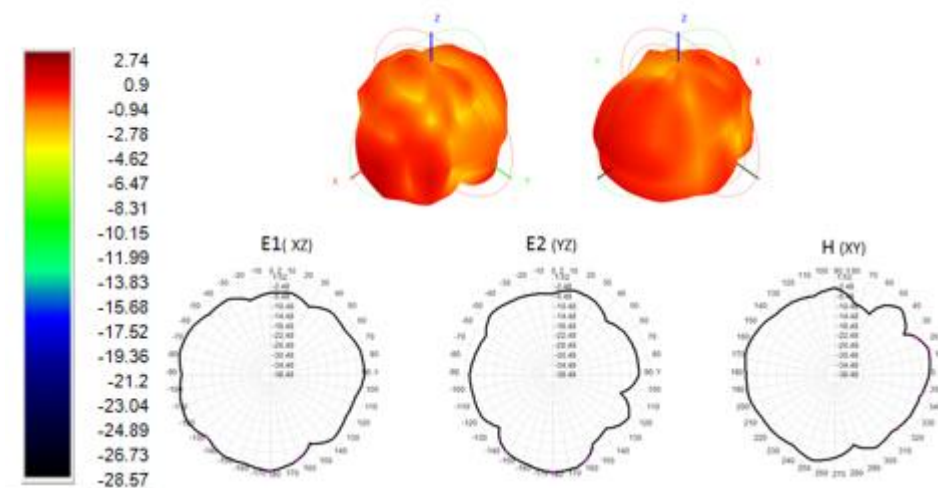


Radiation Patterns (2450MHz)



R & D, production and sales of professional wireless terminal antenna

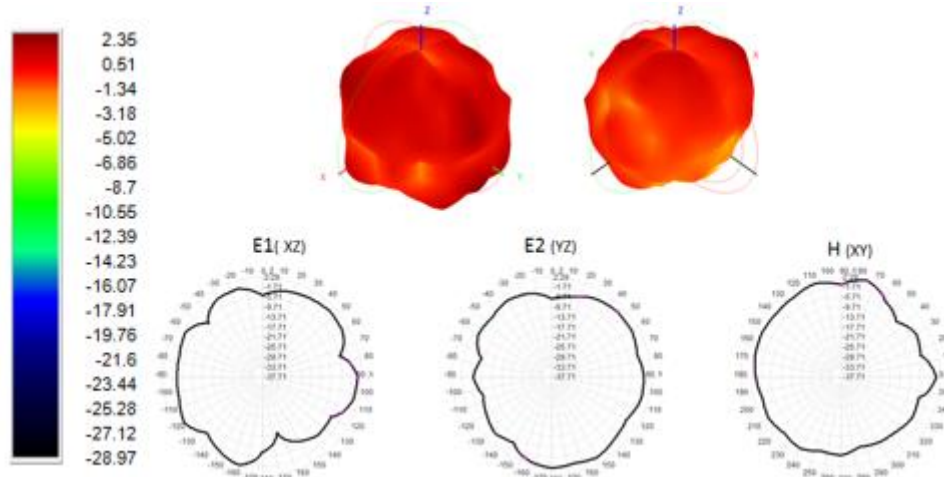
Radiation Patterns (2500MHz)



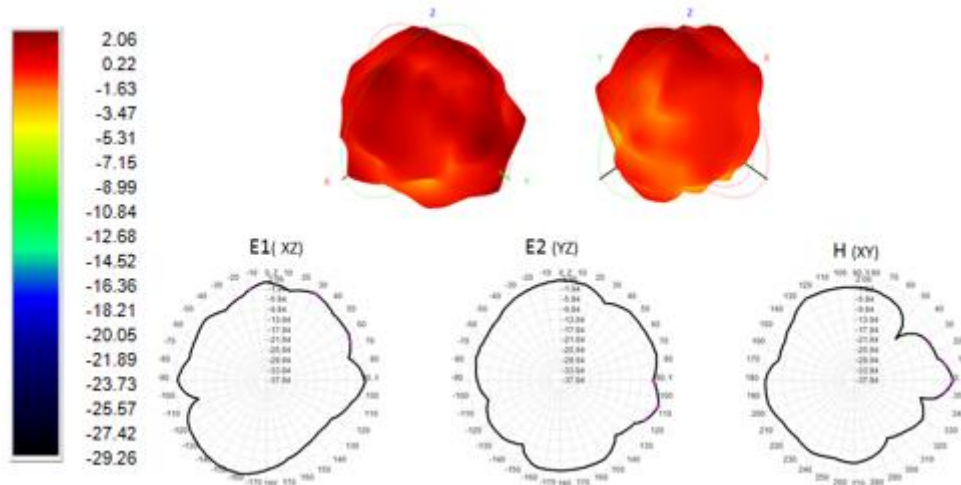
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400.0	43.96	-3.57	1.76
2410.0	43.47	-3.62	1.56
2420.0	43.32	-3.63	1.49
2430.0	43.64	-3.60	1.56
2440.0	44.34	-3.53	1.70
2450.0	44.90	-3.48	1.91
2460.0	45.35	-3.43	2.28
2470.0	45.20	-3.45	2.51
2480.0	44.96	-3.47	2.66
2490.0	43.58	-3.61	2.58
2500.0	44.11	-3.56	2.74

WIFI-5.8G:

Radiation Patterns (5150MHz)

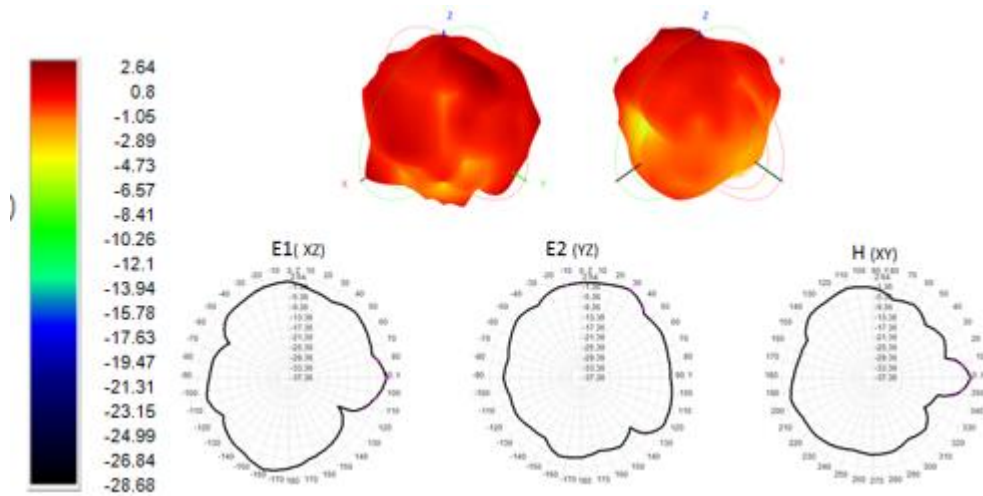


Radiation Patterns (5500MHz)



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Radiation Patterns (5850MHz)

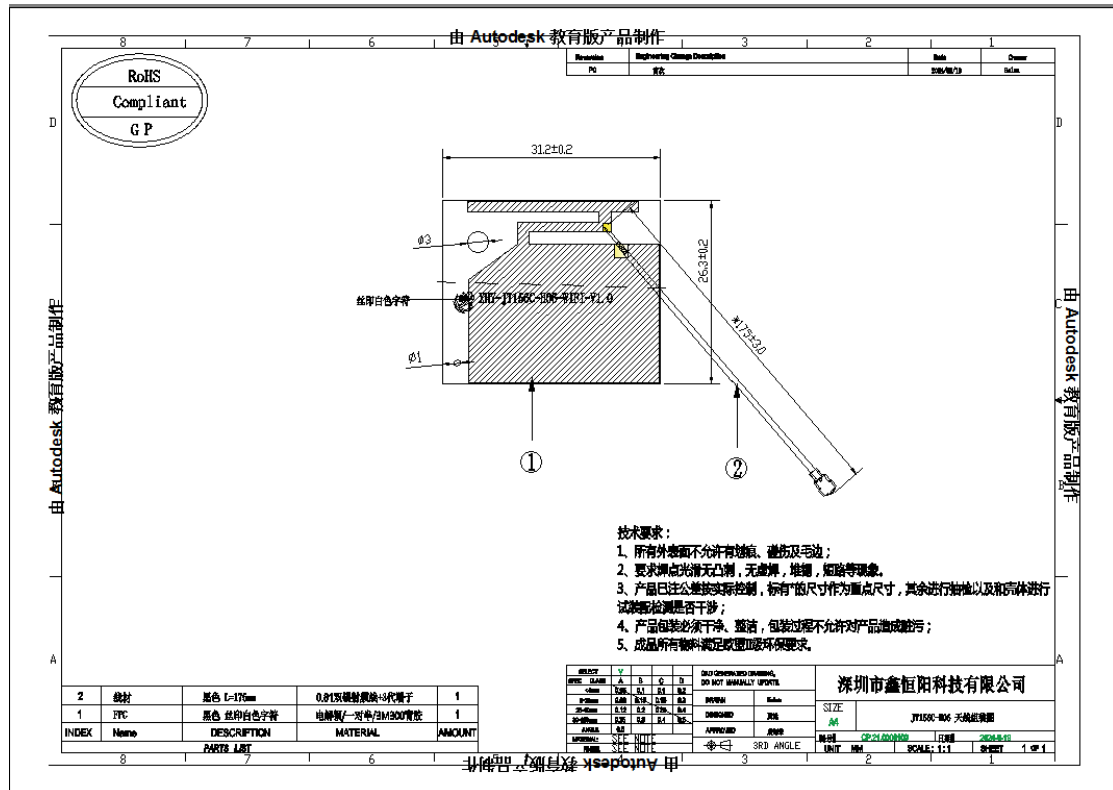


Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
5150	48.64	-3.13	2.35
5200	47.97	-3.19	1.75
5250	53.65	-2.70	2.52
5300	50.43	-2.97	2.56
5350	50.38	-2.98	2.62
5400	53.04	-2.75	2.72
5450	52.69	-2.78	2.41
5500	47.74	-3.21	2.06
5550	52.07	-2.83	3.06
5600	54.33	-2.65	3.46
5650	51.01	-2.92	2.59
5700	49.82	-3.03	2.77
5750	51.28	-2.90	2.78
5800	48.65	-3.13	3.14
5850	41.93	-3.77	2.64

3. OTA:

Test Condition		Free Space	
band	Channel	TRP (dBm)	TIS (dBm)
802.11A 54Mbps	149	10.21	-70.13
	157	11.51	-71.50
	165	11.31	-71.27
802.11B 11Mbps	1	12.01	-81.15
	6	12.31	-80.07
	13	12.60	-81.68
802.11G 54Mbps	1	10.63	-71.70
	6	11.08	-70.29
	13	9.83	-70.90
802.11N MCS7	1	9.46	-64.48
	6	10.61	-65.30
	13	9.76	-65.53
802.11AC 40M MCS Index9	36	9.26	-60.94
	149	10.19	-60.23
	161	10.27	-62.29

七、 工程图纸 (Product Drawing)



八、 ROHS

Antenna XHY-JT156C-H06-WIFI-V1.0 meets ROHS requirements.

九、 Product packaging instructions

A. packing should meet the moisture-proof, vibration, pressure and mildew proof, etc.

B. the smallest packing unit logo must have the manufacturer trademarks, product model, name, code and quantity.

C. in the attached packing list, certificate of approval, and the factory inspection report.

*****END*****