

几米 VL802 拉美版 BT 天线规格书  
 JIMI VL802 Latin American edition Bluetooth Antenna  
 specification

Supplier (供应商名称)	Guang Dong Kingshine Electronic Technology Co., ltd (广东科翔电子科技股份有限公司)		
Material name (物料名称)	PCB onboard Bluetooth antenna (PCB 板载蓝牙天线)		
Antenna type (规格)	Onboard		
Project model (项目机型)	VL802 Latin American version (VL802 拉美版)	Color (颜色)	
Environmental protection requirements (环保要求)	<input checked="" type="checkbox"/> RoHS compliant (符合 RoHS) <input type="checkbox"/> Non-RoHS (非 RoHS) <input type="checkbox"/> REACH compliance (符合 REACH) <input type="checkbox"/> Non-REACH (非 REACH)		



广东科翔电子科技股份有限公司

质量保证部门

QUALITY ASSURANCE DEPARTMENT

QA 出货报告

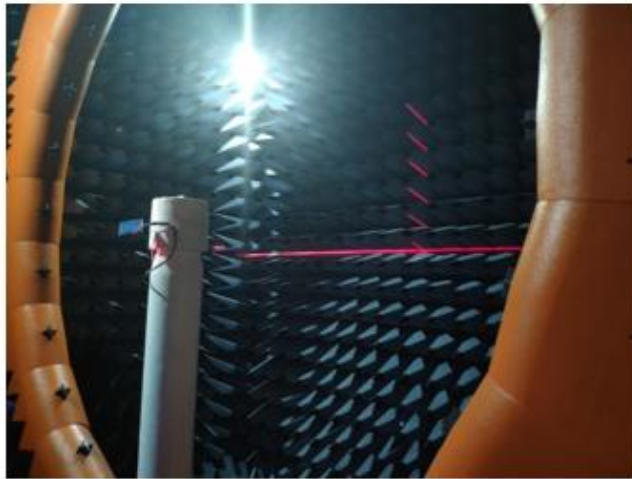
QA OUTGOING REPORT

COUNTRY OF ORIGIN(产地):		Made in China				
INTERNAL P/N (内部编号):	04AE37871B0	CUSTOMER (客户):	I0191	CUST.P/N (客编):	VL802_MB_V1.2	
DRAWING NO. (图纸编号):	/	REVISION (版本号):	V1.2	CRITERIA	AQL II 0.65	
UL LOGO (UL 标记):	/	DATE CODE (周期):	2230	LOT SIZE (批量):	108PCS	
UL FILE NO. (UL 认证号):	/	FLAMMABILITY GRADE(耐燃等级):	94V-0	SAMPLE SIZE (抽样数):	20PCS	
ITEM	DESCRIPTION (描述)	SPECIFICATION (标准)		ACTUAL	ACC	REJ
(A) VISUAL(目视):		AQL II 0.65		OK	√	
(B) CUSTOMER INFORMATION (INCLUDING CIRCUITS AND OUTLINE) 客户资料 (包括线路和外围):						
1	CONFORMANCE(一致性)	√ YES	<input type="checkbox"/> NO	OK	√	
2	LAY-UP(层压结构)	C/S L2 L3 S/S		OK	√	
(C) MATERIAL(材料):						
1	MATERIAL TYPE(材料型号)	FR-4 S1000H		OK	√	
		SUPPLIER NAME(供应商):	生益			
2	MATERIAL THICKNESS(材料厚度)	0.67+/-0.067mm		OK	√	
3	COPPER CLAD THICKNESS(OZ)(底铜厚)	H/HOZ		OK	√	
(D) MARKING(标记):						
1		<input type="checkbox"/> ETCHED(蚀刻)	<input checked="" type="checkbox"/> SILK SCREEN (丝印)	OK	√	
2	MARKING LOCATION(标记位置):	<input checked="" type="checkbox"/> COMP.SIDE (元件面)	<input type="checkbox"/> SOLDER SIDE (焊接面)	OK	√	
(E) PLATING COPPER (电镀铜箔):						
1	THROUGH PTH THICKNESS(通孔铜厚)	12.7UM(MIN), 15UM (AVG)		see report	√	
2	BLIND PTH THICKNESS(盲孔厚度)	/		/	/	
3	BURY PTH THICKNESS(埋孔厚度)	/		/	/	
4	SURFACE THICKNESS(MIN) (表铜厚)	20-45um		see report	√	
(F) SOLDER MASK&COMPONENT MARKING (绿油和白字):						
1	S/M MATERIAL(COLOR) (材料和颜色)	D-400 GD5 GREEN		OK	√	
	APPLIED TO (印于)	√ BOTH SIDES (双面)	<input type="checkbox"/> SINGLE SIDE (单面)			
		SUPPLIER NAME (供应商):	永胜泰			
2	S/M TAPE/SOLVENT TEST (胶纸/溶剂测试)	NO PEEL OFF (不甩油)		OK	√	
3	S/M REGISTRATION (对准度)	± 0.076MM		OK	√	
4	C/M MATERIAL(COLOR) (材料和颜色)	RM-4000W	WHITE	OK	√	
	APPLIED TO (印于)	√ BOTH SIDES (双面)	<input type="checkbox"/> SINGLE SIDE (单面)			
		SUPPLIER NAME (供应商):	阪桥			
5	C/M TAPE/SOLVENT TEST (胶纸/溶剂测试)	NO PEEL OFF (不甩油)		OK	√	
6	ILLEGIBLE MARKING (白字不清)	NO ALLOWED (不接受)		OK	√	
(G) SURFACE FINISH (表面处理):						
1	HAL (喷锡)	/		/	/	
2	IMMERSION NI/AU (沉金)	Au:≥0.025um; Ni:2.54-5.08um		Au:0.034um&Ni:3.511um	√	
3	OSP (抗氧化)	/		/	/	
4	PLATING GOLD FINGER (金手指)	/		/	/	
(H) PROFILE (成型):						
1	V-CUT	V-CUT Angle(V-CUT 角度)	/	/	/	
		V-CUT Depth(V-CUT 余厚)	/	/	/	
2	Shamfer (斜边)	Shamfer Depth(斜边深度)	/	/	/	
		Shamfer Angle(斜边角度)	/	/	/	
3	PUNCHING (啤板)	/		/	/	
4	ROUTING (锣板)	√ ROUTING		OK	√	
(I) FINISHED BOARD (成品):						
1	MIN.LINE WIDTH (最小线宽)	0.10±20%mm		0.103mm	√	
2	MIN.SPACING (最小线隙)	0.10±20%mm		0.105mm	√	
3	OVERALL BOARD THICKNESS (完成板厚)	1.0+/-0.1mm		0.997mm	√	
4	BOW&TWIST(MAX) (板弯板曲)	0.75%(max)		0.24%	√	
(J) FUNCTIONAL TEST (功能测试):						
1	ELECTRICAL TEST (电测试)	OPEN/SHORT 100% (开/短路)		OK	√	
	盖印/色笔划板边	<input type="checkbox"/> STAMP 100%	√ MARK AT BOARD EDGE	OK	√	
2	IMPEDANCE TEST (阻抗测试)	see report		OK	√	
(K) HSF (判定):						
1	外箱标识是否张贴 HSF 标签	<input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否				
2	原材料进料检验是否有核对第三方检测报告	<input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否				
3	是否有制程有害物质巡检表 (巡检表编号: )	<input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否				

AUDITED BY: 胡红燕 DATE: 2022.7.30 APPROVED BY: 段仁丽 DATE: 2022.7.30



## TEST ENVIRONMENT



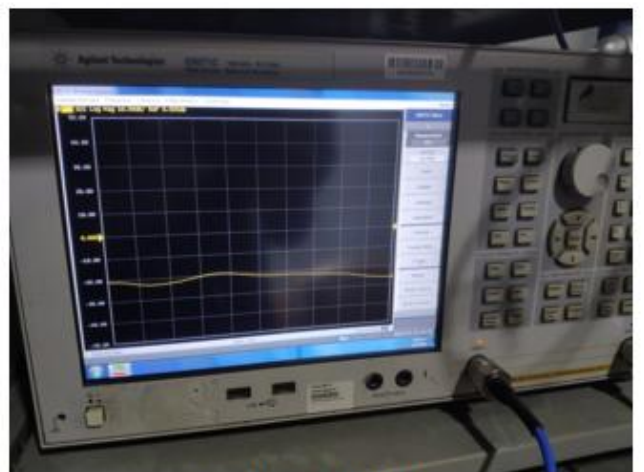
7\*4\*3M 3D微波暗室



MT8820C



Agilent 8960



Agilent E5071C

### Antenna parameter:



驻波图

驻波回损图



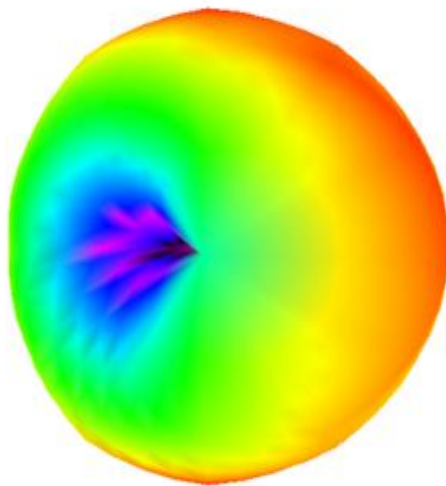
### 2.4G Passive:



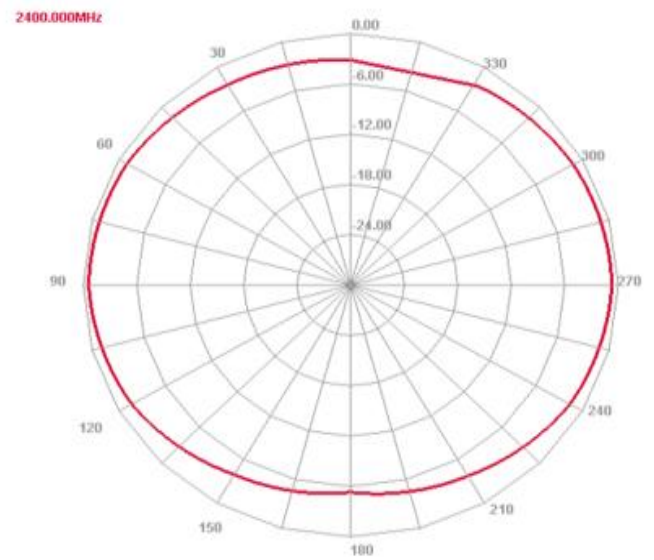
Frequency (MHz)	Efficiency (%)	Gain (dBd)	Gain (dBi)
2400	21.5	1.88	1.02
2410	22.2	1.28	1.16
2420	23.31	0.61	1.33
2430	24.66	-0.44	1.7
2440	26.68	-0.48	1.85
2450	30.48	-0.67	2
2460	27.51	0.09	1.85
2470	25.45	0.45	1.76
2480	23.69	0.41	1.42
2490	21.56	0.08	1.07
2500	20.23	-0.68	0.94

## 2/3D

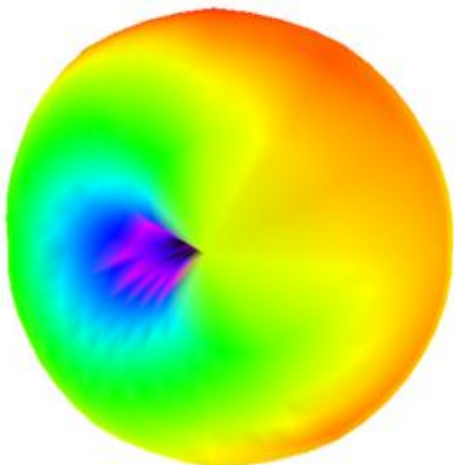
2400.000MHz



Horizontal



2500.000MHz



Horizontal

