



SHENZHEN JINHONG WIRELESS

Product Specification

Part Description	Vendor: xili Description: <u>QZJHXL2305-039</u> Product Name: R-射频天线 Project: OMI-M9 Part NO: Version: A1			
Attachments	☒ Spec ☐ Cpk Report ☐ QC Flow Chart ☒ Packing Content	☒ Drawing ☐ FAI Report ☐ Molding conditions 3C Certificate	☐ Sample ☒ Reliability Report ☒ Material Verification Sheet ☐ Material inspection standard	☒ ROHS Repot ☐ Safety Report
Vendor	Design: 奚翔 Check: 郑翠兰 Approval: 彭发辉			
Technology check	Mechanical: ID: DQE/SQE: Hardware: Market:			
Final check	ROHS: Quality plannin			
Approval condition	☐ Approved ☐ Condition approved Temporary approved ☐ Reject			
Approval by	RD Leader(Technology Director)		Quality Director	
Distribute	☐ IQC ☐ 采购（供应商） ☐ 样品管理/文控 ☐ 外协厂 ☐ 其它			

Content

1	Content	2
2	Instructions	3
3	Product specifications.....	3
4	Reliability test	4
5	Electrical performance test	5
5.1	Test equipment and environment.....	5
5.2	Antenna passive test data.....	5
6	Engineering drawings	6
7	Packing method.....	6

2 instructions

This report includes several equipment, test environment and test results for the electrical performance of the antenna, as well as structural drawings and inspection reports of the antenna. Below is a picture of the antenna.

3 Product specifications

Electrical Specifications	
Frequency Range (MHz)	824-2700
Gain (dBi)	1.96
VSWR	≤2.2
Input Impedance (Ω)	50
Polarization	Vertical
Maximum input power (W)	2
Input connector type	
Dimensions (mm)	34.63*7.35
Antenna weight (kg)	
Antenna color	Green

4 Reliability test

1	SAIT SPRAY TEST	Brine spray test: distilled water according to GB1266-86 standard: single distillationPH6.5~7 Spray volume: 1.4me80cm ² / H compressed air pressure: 1kgf / cm ² Test Relativity: 98 ° Temperature: 45 ° ~ 47 ° Pressure temperature: 35 ° Test time: 24hr	All characteristic range is 30% of the initial value
2	HEAT TEST	85+2℃ for 96 hours, after keep in normal condition for 30mim the to test.	
3	HUMIDITY TEST	40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	COLD TEST	-40+2℃ for 96hours, after keep in normal condition for 30mim the to test.	

5 Electrical performance test

5.1 Test equipment and environment

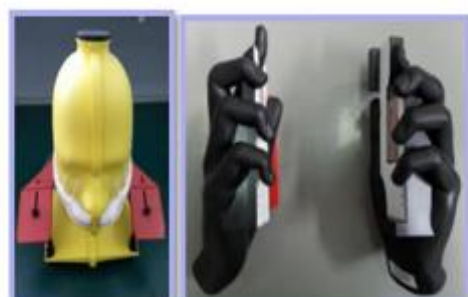
测试设备



SATIMO-24



ETS



模拟人头手



安捷伦8960



安利MT8820C



CMW500



安捷伦E5071C

测试系统	测试环境	有源测试	无源测试
SATIMO—24	温度：22℃ ± 3℃	支持2G/3G/4G	400MHZ——6G
ETS	湿度：50% ± 15%	BT/WIFI/GPS	

5.2 Antenna OTA data

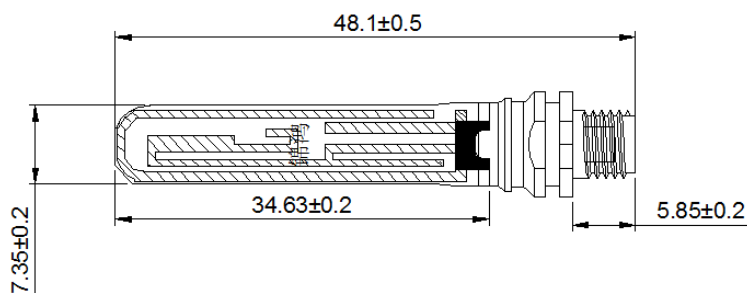
	B8			B1			B3			B5		
CHN	21500	21625	21750	18050	18250	18550	19250	19550	19900	20450	20525	20600
TRP	17.4	17.6	17.5	21.1	21.8	21.2	21.1	22.1	21.7	19.8	20.5	20.1
TIS			-90.4			-92.0			-92.7			-91.5

	B38			B39			B40			B41		
CHN	37850	38000	38150	38350	38450	38550	38750	39150	39550	40600	40700	40800
TRP	21.1	21.4	20.7	20.2	19.5	20.6	20.3	21.8	21.9	20.6	19.8	19.5
TIS			-92.1			-92.1			-92.6			-92.0

	B2			B4			B7			B28		
CHN	650	900	1150	2000	2175	2350	2800	3100	3400	9260	9435	9610
TRP	19.4	19.4	18.8	19.2	19.3	19.6	21.5	20.8	19.3	18.0	18.3	19.3
TIS			-92.4			-92.4			-92.2			-92.8

6 Engineering drawings

未注公差值	
$L \leq 4$	± 0.05
$4 < L \leq 16$	± 0.05
$16 < L \leq 63$	± 0.15
$63 < L \leq 250$	± 0.2
$250 < L$	± 0.25



注：

1. 焊点要饱满，有光泽，不可虚焊、假焊。
2. 内部应无异响。
3. 上胶均匀，应无溢出壳外。
4. 天线的外观要保持干净，美观。

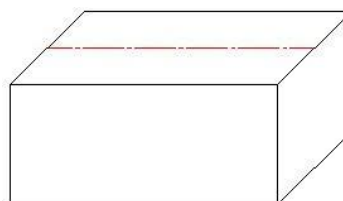
客户名		深圳市锦鸿无线科技有限公司			4G外置天线
项目编号					装配图
物料编号					
结构					
制图		版本号			
批准		日期	重量	单位	QZJHXL2305-039
		2024/10/25	kg	mm	

7 Packing method

Inside:

PE bag packaging, 200pcs / bag

PE bag size: 30*180



External :

carton packaging, 100 bags / box

carton packaging size330*270*220