

样品承认书

Confirmation of products

客户名称 Customer	深圳好	深圳好麦创新技术有限公司						
项目名称	M001	版本 A.1 日期 2024-08 Date		2024 02 02				
Project Name	MO01			2024-08-02				
项目料号		客户料号						
Droject NO	30. 01. 10. 02	Customer	HM-M001-0002-080					
Project NO.		NO.						
频段	$2400^{\sim}2500\mathrm{MHz}$	备注	备注 Notes					
Frequency Range	2400 2300MHZ	Notes						
设计	张海燕 田秋奎	王宇						
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审核	解瑞洁							
Approved By	用牛小巾 行							
客户确认								
Clients' Approval	Clients' Approval							

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1. Specification

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna ----M001 Picture 1 shows the antenna designed by LR.



2. VSWR Testing

2.1 Testing connection

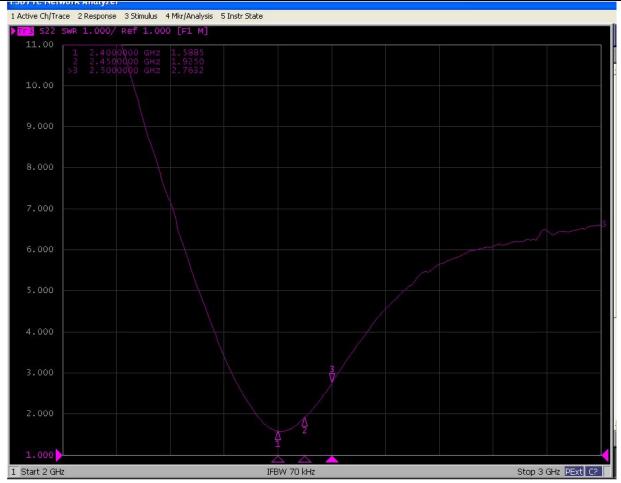
The **Return Loss** testing devices are connected in sequence: Agilent5071C Network Analyzer →Testing Cable → Customer-providing Devices.

2.2 VSWR

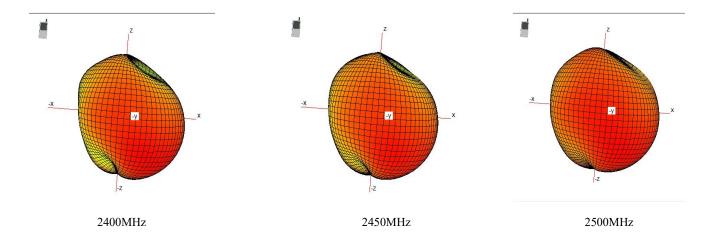
The following table expresses the VSWR value of antenna's two edges of its frequency range. With regard to the relevant diagram of VSWR

	M001 RX V	VSWR		
Frequency (MHz)	2400	2450	2500	
VSWR	1.58	1.92	2.76	

2.3 Testing data



2.4G BT antenna VSWR



3. Power, Sensiticity Testing

3.1 Testing field

LR Microwave Anechoic Chamber: testing frequency ranges from 400MHz to 6GHz and the 40cm diameter spherical quite zone, the chamber provides less than -90dB reflectivity from 400MHz—6GHz.

3.2 Testing results

The following table indicates the testing results related to Power and Sensitivity in Microwave Anechoic



Chamber, concerning the relative diagram.

3.3 Active testing.

M001 Antenna efficiency

Freq(MHz)	Gain	Efficiency(%)
2400	0.10	51.65
2410	0.25	53.60
2420	0.22	52. 53
2430	0.14	50. 93
2440	0.30	52.62
2450	0.26	48. 89
2460	0.08	47. 44
2470	0.15	45. 09
2480	0.29	47. 24
2490	0.17	43. 72
2500	0.24	42.07

M001 Active data

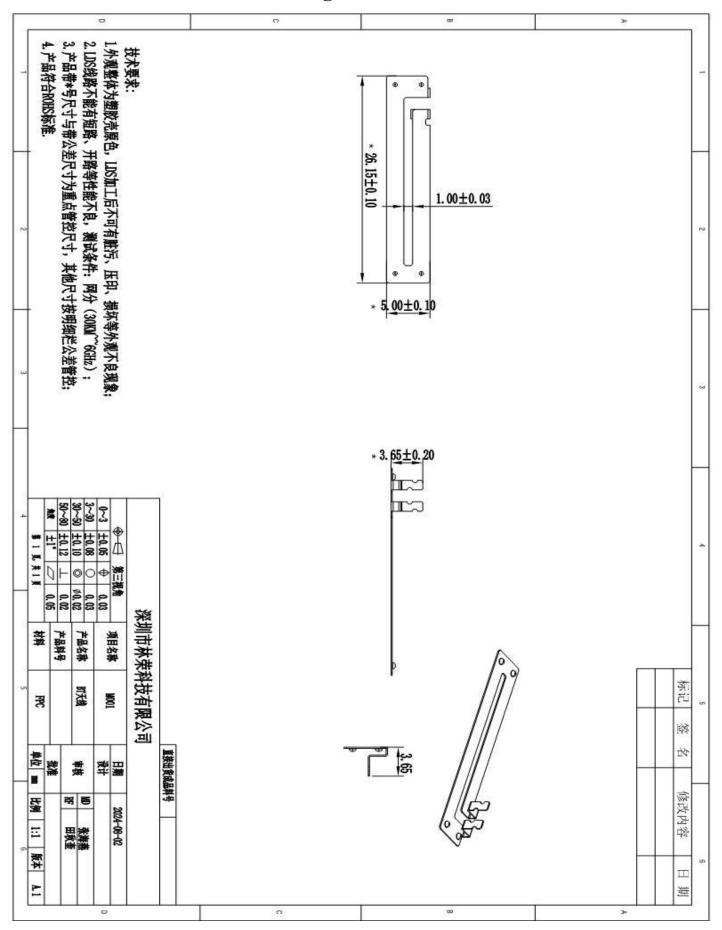
	chNO	Freq (MHz)	TRP	TIS
	0	2402	10. 37	-93. 79
7#	39	2441	9.09	-93. 21
	78	2480	7. 18	-92. 23
	0	2402	10. 35	-93. 65
10#	39	2441	8. 42	-92. 54
	78	2480	6. 55	-91.09

4. Environmental treatment

Original assembly of the entire machine



5. Mechanical Dimension Drawing





6. Mechanical Dimension Testing report

1. DIMENSION、+TOL、-TOL、SAMPLEI, SAMPLE2, SAMPLE3 2. 注意1中描述的内容输入时, 请:

备注:除了上述标注的填写内容外,须输入的内容:

全尺寸测量报告

	1238	3.0	2	DIM.#	-	2	3	4	5	6	7	8	9	10	11	12	13
林荣科技		岩	DIMENSION	26.15	5.00	3.65	日本土河										
ALC: NO MARKET	材质牌号			DRAWING ZONE													
4.0	本本		2024-8-2	+10L	0.10	0.10	0.20				0						
****	1		-8-2 2	-10L	(0.10)	(0.10)	(0.20)										
l				NOTE													
	Part	(4)	MEA	SAMPLE 1	26.16	5.02	3.60				5 5			02		52	
	Part Name	(零件名称)	SURED	SAMPLE 2	26.18	5.01	3.68										
			DIMENS	SAMPLE 3	26.14	5.00	3.61						~	0			
	작 #	(零件名称) BI 入玩 (零件名称) MEASURED DIMENSION(实测尺寸)	SAMPLE 4	26.15	4.98	3.62							00				
	5.		IR4)	SAMPLE 1 SAMPLE 2 SAMPLE 3 SAMPLE 4 SAMPLE 5	26.16	5.01	3.70										
1001 Number	(養母)	1	% TOLER/ (公差使)	UPPER	15%	20%	25%							P.V.			
Contract of the second		Rev(版本)	% TOLERANCE USED (公差使用百分比)	LOWER	-10%	-20%	-25%										
1	_			0%-25%	×	×	×										
1397		<u>2</u>		25%-50%			×										
		00000		50%-75%													
T	3		₽	75%-100%													
Unit(单位)	Ę		SPO	100%+													
	MILLIMETERS INCHES		DISPOSITION	Re-Measure													
			ž	Accept													
1	SE SE		0.	Fix Tool													
	in.			Accept With Variance													
 		į.	ACCEPT	DIMENSION	26.15	5.00	3.65					S .			72		
Quality(偏质签字)	カバカ	F	ACCEPTABLE VARIANCE	+10L	26.18	5.02	3.70										
他分]	RIANCE	٠٦٥٠	26.14	4.98	3.60							7			

意思是指该尺寸为重点管控尺寸,要做Cpk! c.测量工具代号Weasure No.; A=callipers(0.00) B=micrometer(0.000) C=Pin Guage(0.000) D=High Guage(0.000)

a. 在STOLERANCEUSED(公差使用百分比比)中无论是UPPER还是LOWER>100%, 须:
(1)检查输入数据是否输入错误; (2)测量数据是否操作有误或是仪器测量不准确; (3)测量时间是否不适宜; (4)排除了(1) (2) (3) 外, 仍然>100%, 请设计师对每个尺寸的后面作出选择即从"Re-measure, Accepet, Re-Tool, Accept Virance"中选一, 若是选Accept with virance, 必须完成后面的Dimension, +10L, -10L;
b. DIMENSION栏中的即尺寸前一栏中的DIM. #必须与图面上的一数;同时注意, 在作Cpk的尺寸的尺寸编号与FAI全尺寸测量报告中的尺寸的编号必须是相同的,且Cpk尺寸必须被用符号标注, 此标注号必须表示的

E=CMM (0, 000)

F=Plug Guage (0.00) G=R Guage (0.0) I=Deep Guage

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7. Packaging standard

包装说明: 具体包装数量以实物为准, 图片只显示包装的方式, 并非此项目实物。

Packaging Description: the specific packaging quantity is subject to the physical object. The picture only shows the way of packaging, not the physical object of the project



天线用 PE 袋包装

The top cover board, with PE film packaging



防潮防水 PET 袋封装,放于纸箱或胶筐内 Moistureproof waterproof PET bag packaging, Put in the cartons



纸箱用胶带封口

Carton sealing with duct tape



包装箱整箱外观()

Cases appearance