



Shenzhen Kaipushen Communication
Technology Co., Ltd

Antenna test report

test report

Customer: XiaoJu

Item:

RF:

Date: 2021.11.2

Edition: 01

Laboratory test environment and equipment



Test item	testing facility
S11、S12、VSWR、LOSS	Network Analyzers E5071B, E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16 Darkroom、GP7*4*3 Darkroom、E5071B
TRP、TIS	Satimo SG16 Darkroom、GP7*4*3 Darkroom、8960、CMW500、MT8820C、E4438C、



Introduction to project commissioning

Type of Complete machine	C01 Smart Watch			
		Frequency band information	Antenna form	Match changes
Antenna type and frequency band information	Antenna	2400-2480MHZ	monopole	
Antenna material	Polyethylene Wire			



Antenna passive efficiency diagram

free

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	41.95	-3.77	1.2
2410	38.79	-4.11	1.02
2420	38.24	-4.17	0.97
2430	38.04	-4.2	0.95
2440	40.61	-3.91	1.11
2450	40.82	-3.89	1.11
2460	40.18	-3.96	1.09
2470	37.63	-4.24	0.87
2480	38.87	-4.1	0.94
2490	41.34	-3.84	1.13
2500	39.42	-4.04	0.55

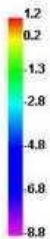
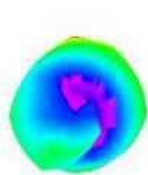


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Antenna passive Apple diagram

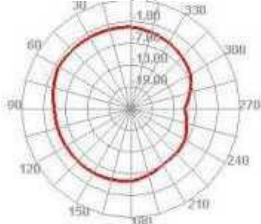
free

2400.000MHz

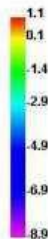
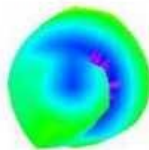


2400.000MHz H

5-00

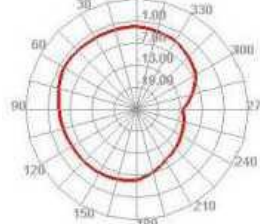


2450.000MHz

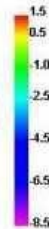
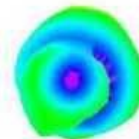


2450.000MHz H

5-00

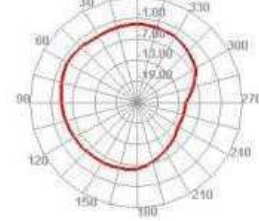


2500.000MHz

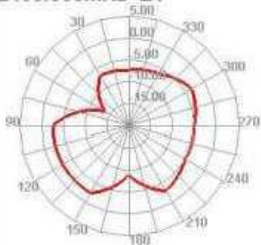


2500.000MHz H

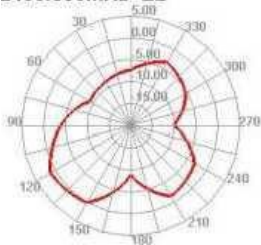
5-00



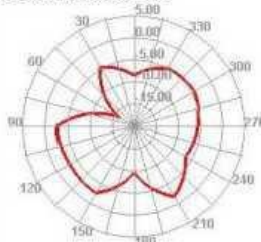
2400.000MHz E1



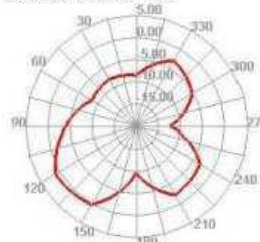
2400.000MHz E2



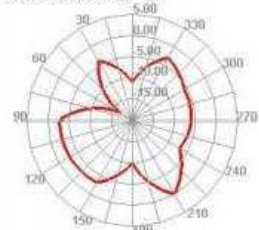
2450.000MHz E1



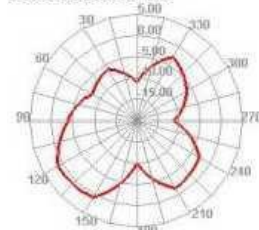
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2





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Antenna Specitification

ROHS		工程变更记录 REVISIONS			
		LTR	变更内容 DESCRIPTION	日期 DATE	核准 APVD
		A1	新制定 New Devise	2021.12.09	A1

0.9±0.2浸锡

①

黑28±1

导体浸锡后外径尺寸不可大于0.7MM

技术要求
Technical parameters
产品尺寸符合图纸标准、物料符合ROHS标准。
The product size is the same as drawing,The material is meet ROHS standard.

材 质 MATERIAL		-----		LMC 东莞市连茂电子有限公司	
表面处理 FINISH		-----		品 名 TITLE	端子线
制 图 DRAWN		设 计 DESIGNED	审 核 CHECKED	品 番 DWG.NO.	11.102710270009
1		UL3302 24AWG (11/0.16) OD:1.1MM 黑色	2	X08	CUSTOMER X25
编号	规格		用量	厂商	DIMENSIONS mm SCALE 比例 1:1 SHEET 页次 1/1 REV 版本 A1



Antenna Picture





Contact

RF:

Telephone:

Email:

Address: 2nd Floor, Building 1, Yulong Building, Longcheng Industrial
Zone, No.440, Longguan Avenue, Longhua District, Shenzhen

Shenzhen Kaipushen Communication
Technology Co., Ltd



THE END

Thank you for your input !