

SPECIFICATION FOR APPROVAL

customer Name	Guangzhou Youwo Technology Co., Ltd				
Customer project Name	t BO807Z3K Heyixun project BO80		BO807Z3K		
customer P/N		Heyixun P/N	HYX008-BO807Z3K-L-V8		
Band	2400-2500MHz				
vers ion	A1				
	Designer Information	n			
RF Engineer	Xu Liang	EE Engineer	Shi Zhenhao		
ME Engineer	Xu Liang				

Heyixun Approval				customer App	roval
prepared checked BY Approval BY				checked BY	Approval BY
signature	Zhu Zengyuan				
Date	2024-12-24				

	change Log			
vers ion	change Description	person in charge	Approval BY	Date



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Drawing or Product Image

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n. Ine \times size is structly concrolled, marked with $*$ as the key size, and the unmarked measured according to the CAD electronic drawing file 1:1; 7. Printing on the surface, see the figure for the specific content and location; 8. The non-appearance needs to be cut and sent to our company after the sample is sent. 8. The non-appearance needs to be cut and sent to our company after the sample is sent. 9. Layer Description(Thickness) Manufacturer &P/ Adhesive backing Description(Thickness) Manufacturer &P/ Substrate KUM-800FSDM-ASMH-80 CAL L Ink PSM-800FSDM-ASMH-80 uni	 I. The adhesive is made of 3M 9471 300LSE, the viscosity is more than 300MP, the shap the adhesive is consistent with the substrate, covered on the back of the substrate, an adhesive is cut in half;; single-sided version of the material, one-to-one base material, good flexibility; There is no crack on the surface of the product after being bent at 180° after t 3. There is no crack on the surface of the product after being bent at 180° after t 4. The surface of the gold finger is plated with gold 0.5°20″, no oxidation, and there is or conduction phenomenon after 180° bending at the junction of copper foil; The precise tolerance range of wiring and holes: ±0.03mm, and the tolerance of extern dimensions is controlled within 0.1mm; 	1
n. Ine w size is strictly controlled, marked with * as the key size, and the unmarked size is measured according to the CAD electronic drawing file 1:1; 7. Printing on the surface, see the figure for the specific content and location; 8. The non-appearance needs to be cut and sent to our company after the sample is sent. 8. The non-appearance needs to be cut and sent to our company after the sample is sent. 9. Layer Description(Thickness) Manufacturer & DN Manufacturer & DN Melesive backing SW9471LM Substrate KUM-800F NHG3(10 µm) Ink PSM-800FSUM-ASMH-80 Unital 2	 1. The adhesive is made of 3M 9471 300LSE, the viscosity is more than 300MP, the shape of the adhesive is consistent with the substrate, covered on the back of the substrate, and the adhesive is cut in half;; 2, single-sided version of the material, one-to-one base material, good flexibility; 3. There is no crack on the surface of the product after being bent at 180° after being oiled, and the flexibility should be good; 4. The surface of the gold finger is plated with gold 0.5°20″, no oxidation, and there is no crack or conduction phenomenon after 180° bending at the junction of copper foil; 5. The precise tolerance range of wiring and holes: ±0.03mm, and the tolerance of external dimensions is controlled within 0.1mm; 	circuit Goldfinger Hand tearing position
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	of he ng oiled, and the fl ng orrack	reen wh:
enzhei d corner <u>0.02</u> <u>Ø0.03</u> <u>0.02</u> <u>0.02</u> <u>1.02</u> Location	lexibility should be good	Silk screen white, antenna
		enna black
technology co., 1td		
td huzengyuan mee 1 of 1 Audit Approved proportion 1:1 proportion 1:1 8	Appearance Gold plating apa Line area Release liner	



sample Dimensions Test Report

customer Name	GuangzhouYouw o TechnologyCo., Ltd	customer P/N		Heyixun P/N	HYX008- BO807Z3K-L-V8
Test Date	2024-12-24	samp le Qty.	3	Inspector	Zhu Zengyuan
Dimens ion NO.	standard	samp le 1	samp le 2	samp le 3	pass/NG
①length	15.92mm±0.2mm	15. 90mm	15. 92mm	15.95mm	Pass
②width	7.98mm±0.2mm	7. 99mm	7.96mm	7. 98mm	Pass
3thickness	0.2±0.05mm	0. 19mm	0. 21mm	0. 20mm	Pass
	1	Conclusion	1		PASS
Inspector & Date	Zhu Zengyuan	2024-12-24	Approval &Date		1

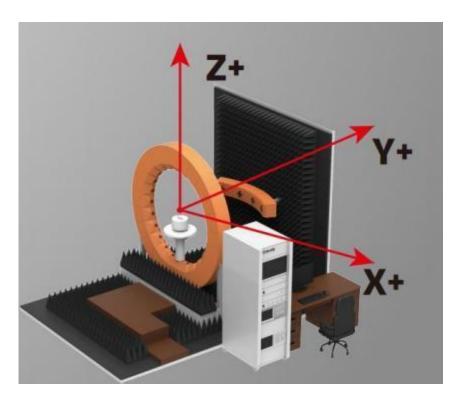


RF Performance Test Report

customer Name	Guangzhou Youwo Technology Co., Ltd	project Name	BO807Z3K		HYX008- BO807Z3K-L-V8
Band	2400-2500MHZ	Test Date	2024-12-24	Inspector	Zhu Zengyuan

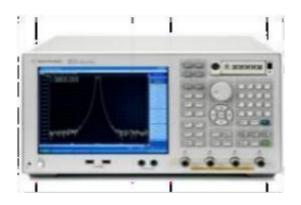
Antenna Test Equipment Introduction

Test of antenna input characteristics using Agilent E5071c andAgilent5071c vector network analyzer ; The radiation pattern of the antenna are tested using the ETS starlab 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:



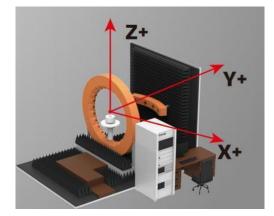


Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test		Agilent 8960 E5515C& Agilent 4438C&CMW500 ETS&SATIMO
		ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	Agilent 5071C

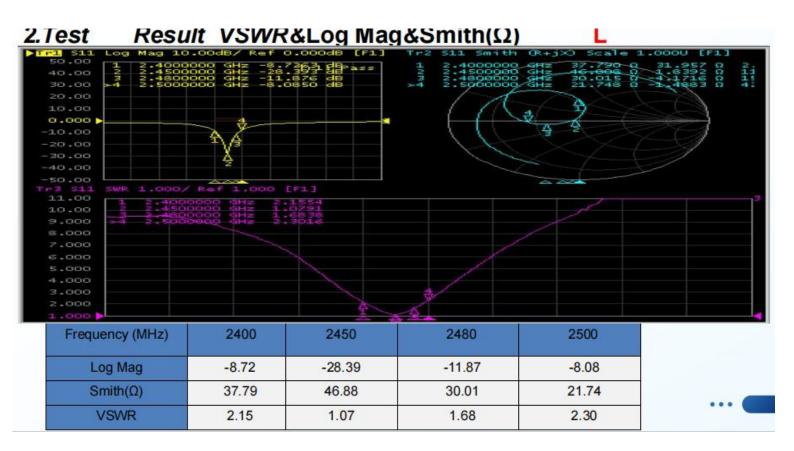












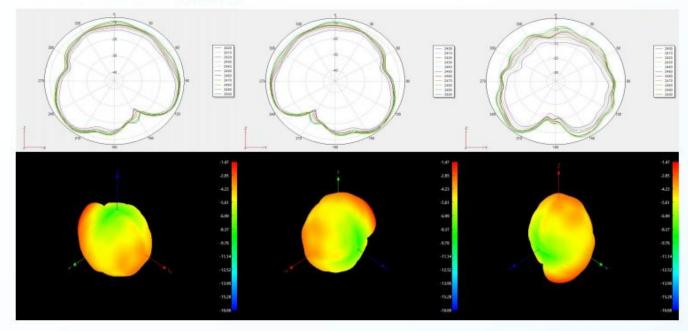


3.Test Result

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	25.36	-1.74
2410	25.84	-1.67
2420	26.94	-1.78
2430	27.44	-1.64
2440	29.31	-0.99
2450	28.46	-1.25
2460	27.34	-1.47
2470	26.19	-1.52
2480	25.33	-1.87
2490	25.62	-1.78
2500	25.41	-1.69

3. Test Result

3.1 2D Pattern-BTANT

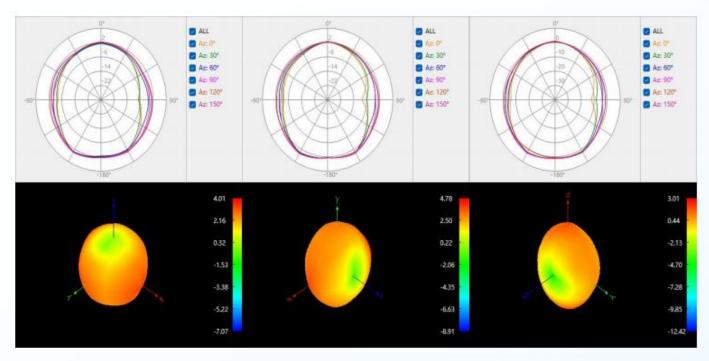




3.OTA Data

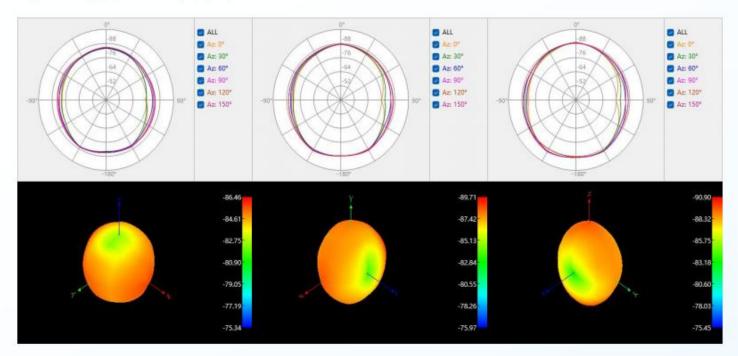
Test Equipment:		R&S CMW500					
Test Condition:		3D c	hamber	T.			
Band		Channel TRP(dBm) TIS(dBm					
		0	1.03	-83.49			
	L	39	1.57	-86.48			
BT		78	-0.65	-87.23			
	R	0	2.53	-85.64			
		39	2.05	-87.26			
		78	- <mark>1</mark> .81	-86.01			

3.1.Test Result L-TRP





3.1.Test Result L-TIS





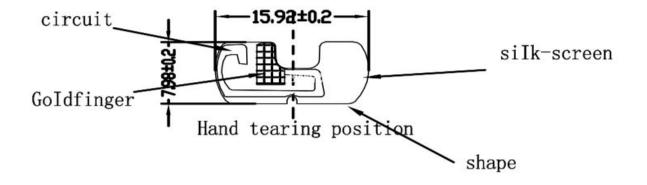
Reliability Test Report

			orrey			
customer _{Name}	Guangzhou Youwo Technology Co., Ltd	customer P/N		Heyixun P/N	HYX008-BO	807Z3K-L-V8
Test Date	2024-12-24	samp le Qty.	3	Inspector	Zhu Ze	ngyuan
Test Item	Requireme	testing equipment	samp le 1	samp le 2	samp le 3	PASS/NG
High temperature storage	The test was performed after 24 hours of exposure at +85°C and 2 hours of recovery	Constant temperature and humidity chamber	ОК	ОК	ок	Pass
Gryogenic storage	The test was performed after 24 hours of exposure at -40°C and 2 hours of recovery	Constant temperature and humidity chamber	ОК	ОК	ОК	Pass
High temperature operation	Operates at +60° C for 24 hours	Constant temperature and humidity chamber	ОК	ОК	ОК	Pass
Operates at low temperatures	lt works on power for 24H at -20°C	Constant temperature and humidity chamber	ОК	ОК	ОК	Pass
Salt spray test	(5 Shi 0.5) *Sodium chloride, pH value is 6.5~7.2, and the temperature of the experimental chamber is (35 ±2)°C ☑24H □48H	Salt spray testing machine	ОК	ОК	ОК	Pass
Connector riveting pull-out force	1.13 Wire size ≥10N 0.81 Wire size ≥8N RG174 ≥60N RG178 ≥50N	Push-pull force gauge	1	1	/	1
		Concl	usion			Pass
Inspector & Date	Zhu Zengyuan 20	24-12-24	Approval &D ate			

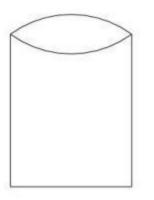


PACK ING CRITERION

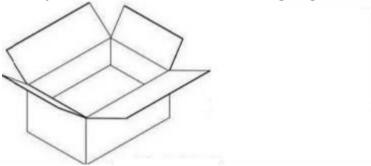
(Subject to the actual packaging) 1、Individual products



2、Big PE bag packing (full sheet/single 90pcs) (Subject to the actual packaging)



3、Sealed, the outer box is affixed with our production label and ROHS label. (Subject to the actual packaging)





Environmental requirements

MSDS (Material Safety Data Sheet)	⊠offer	□Not available	□n/a
COC (Environmental Protection Agreement)	☑offer	□Not available	□n/a
Technical standards for environmentally friendly hazardous substances	⊠offer	□Not available	□N/A
Specific environmental requirements	☑ROHS2.0 COMPLIANT ☑Halogen-free ☑Meets California 65	⊠ROHS2. 0 COMPLIAN	IT

Install Wizard or Other

Installation Process:

Take the 1PCS product, tear off the release paper on the back of the FPC by hand, and then align the position of the FPC positioning hole with the positioning hole position of the shell (positioning rib or positioning line), and attach it to the shell flatly, the specific position is shown in the following figure:

Precautions during the installation process:

☑After attaching the antenna, ensure that the FPC is fully attached to the housing;
 ☑The positioning hole is aligned with the positioning post position of the housing;
 ☑The edge of the FPC is against the edge of the case;

 \Box Antenna with TerminalsWhen snapping the terminals to the PCBA end of the motherboard, first snap the terminals and then vertically;

 \Box When disassembling the antenna terminals, it is necessary to use a tool (such as a special crowbar) to the terminals vertically, and do not directly pull the wire to disassemble them.

