



Samples are provided

SAMPLE PR VIDE

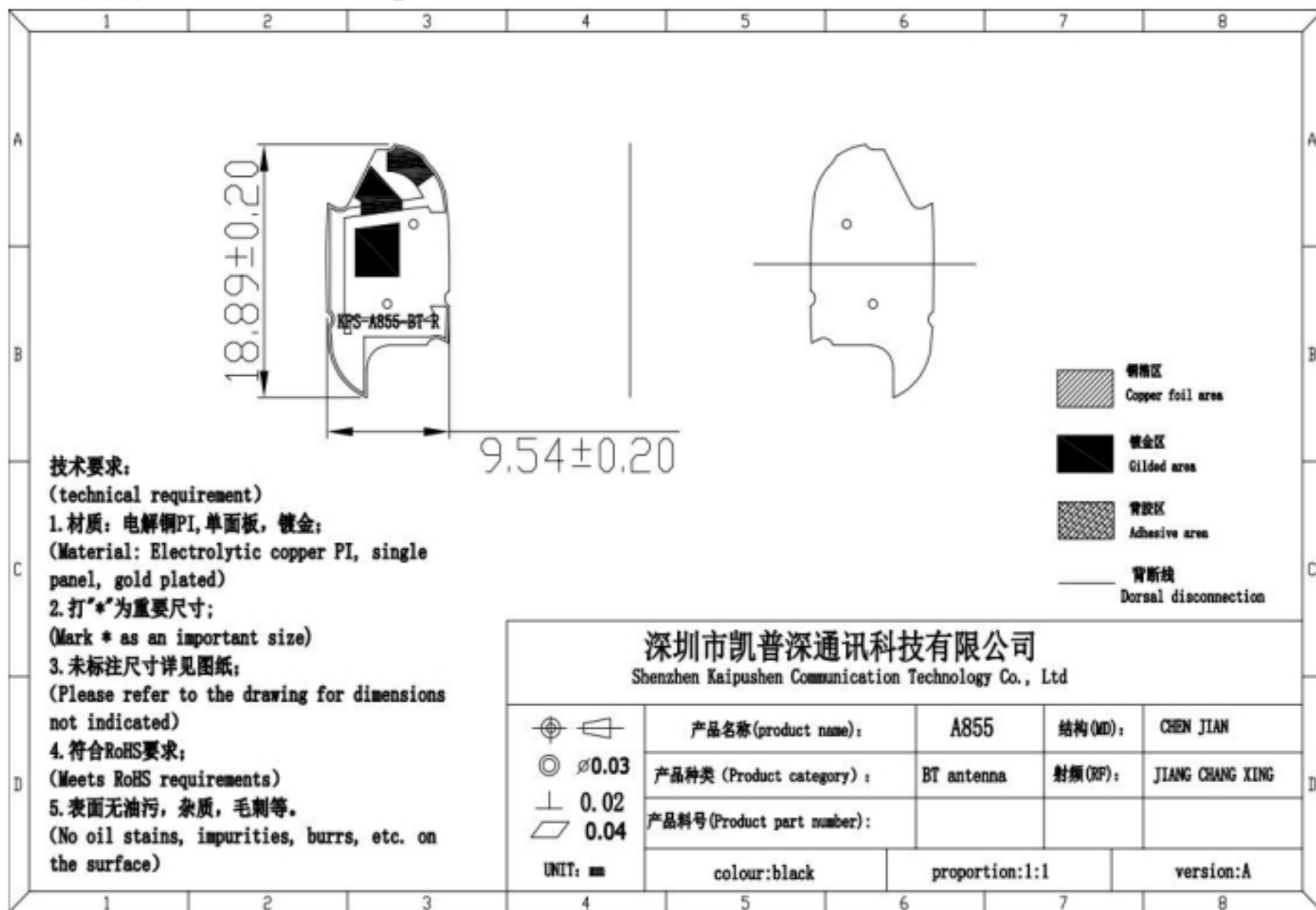
Production	Engineering	Quality	environmental protection	Approval

FORM-H1332(1.0)

order record  
Table of contents

1. Cover
2. Directory Contents
3. Structural drawings Structural diagram
4. Aerial data
5. Full dimensional measurement
6. qc engineering drawing
- 7、 Inspection Code
- 8、 rohs information Rohs Information
9. Environmental Statement
10. Salt spray test report
- 11, high and low temperature test High-low temperature test
12. Package


### 3、结构图/Structural diagram



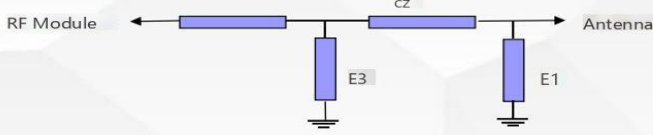
## 5.1 electrical performance

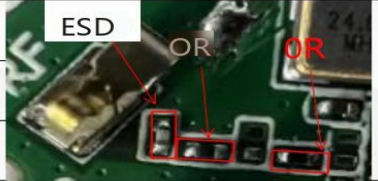
### 5.1-1 specification standards

BT Antenna The operating band generates resonance at 2400–2500M.



Bief Introduction of Project Debugging

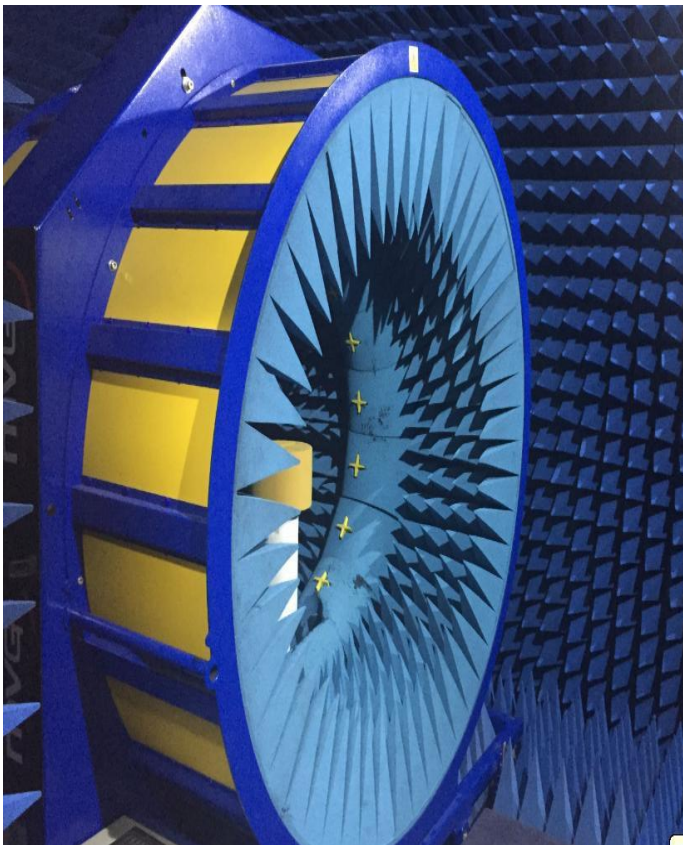


	Element	Value	Explanation with drawing
R/L	E1 (0402)	NC	
	E2 (0402)	OR	
	E3 (0402)	NC	

Shenzhen Kaipushen Communication Technology Co., Ltd.  
Shenzhen cape.deep.communication technology co., LTD

### 5.1-2 Matching Circuits for Antennas .

### 5.1-2 darkroom equipment



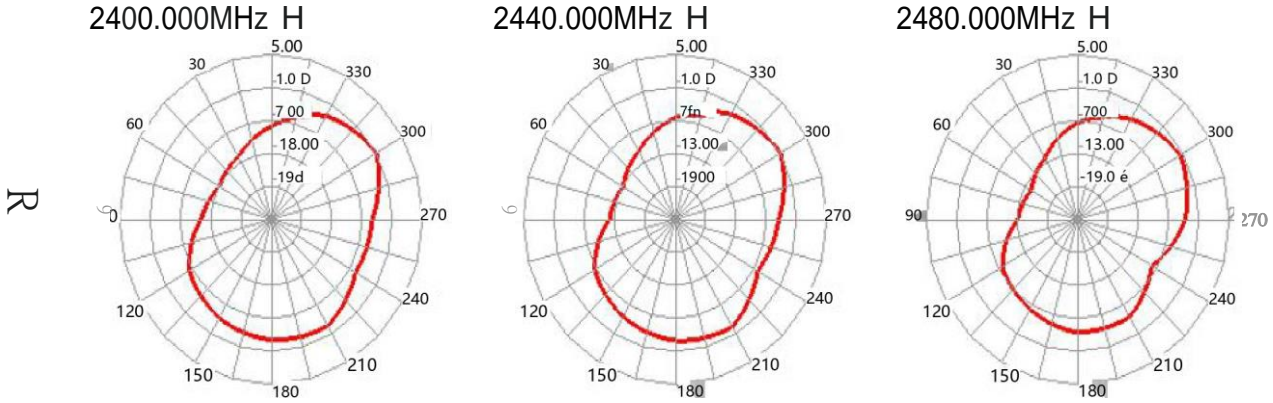




ding)))

# 2D directional map

Kerushen



Shenzhen Kepshen Communication Technology Co  
The "∞\_LID

l(«P)))

# antenna darkroom free space efficiency

Kaiser

R

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	25.53	-5.93	-0.6
2410	25.88	-5.87	-0.67
2420	23.87	-6.22	-1.05
2430	24.83	-6.05	-1.04
2440	23.66	-6.26	-1.14
2450	22.74	-6.43	-1.2
2460	22.52	-6.47	-1.01
2470	21.68	-6.64	-1.24
2480	19.53	-7.09	-1.72

Shenzhen Kepshen Communication Technology Co  
Persuade m to ring ~ Lu knock mm...". Also m know as spit knock cut., LTD

Active data for the entire machine



Cape Deep

## Free space active data

1 # R

Test Result	Bluetooth TRP		
	39	78	
Frequency (MHz)	2402	2441	2480
Txp Ave (dBm)	0.42	3.5	3.4
Test Result	Bluetooth TIS		
	39	78	
Frequency (MHz)	2402	2441	2480
Sens Ave (dBm)	-84.3	-85.4	-85.5

2 # R

Test Result	Bluetooth TRP		
	39	78	
Frequency (MHz)	2402	2441	2480
Txp Ave (dBm)	-0.35	3.7	3.5
Test Result	Bluetooth TIS		
	39	78	
Frequency (MHz)	2402	2441	2480
Sens Ave (dBm)	-84.2	-85.8	-85.3

Shenzhen Kaipushen Communication Technology Co., Ltd.  
Shenzhen cape deep communication technology co., LTD

environmental treatment

assembled in accordance with the environment of the pilot  
production prototype




# Full dimensional measurement report

Customer		Horn		Item name		A855		gauge grid Specifications				Material	Electrolytic copper
Supplier		Kemp Deep		Measure tools		Quadratic		Measure unit		mm		Measure date	2025/2/12
NO.	Size (DIMENSION)	Upper limit	+ TOL.	- TOL.	Lower limit	Measurement 1	Measurement 2	Measurement 3	Actual measurement 4	Measurement 5	Measurement 6	UPPER $\leq$ 100%	LOWER $\leq$ 100%
1	18.89	19.09	0.20	0.20	18.69	18.92	18.88	18.85	18.92	18.88	18.80	15%	45%
2	9.54	9.74	0.20	0.20	9.34	9.48	9.55	9.58	9.60	9.52	9.53	30%	30%
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

tabulation: Jian Chen, Jian Chen

To examine the review: XingTuoWU Witch Star Drag

 <b>Shenzhen Kepshen Communication Technology Co</b> Shenzhen cape deep communication technology co., LTD				<b>QC</b> schedule drawing			file number	KPS--QPA-QA004	Enactment Date			
							file version	A/01	Page	page 1		
<b>technological process</b>		<b>Control focus</b>		<b>management responsibility</b>	<b>method</b>		<b>Inspection method</b>			<b>corrective action</b>		
Order Number	Main Process	project name	aControl Project	Regulatory standards	person liable	Normal sampling number	person in charge	Inspection method	Examines the tool	Record type	Solution	
	▽	begin										
1	○	Receiving	quantity/product name/specifications	《Engineering BOM》 《Material receiving operation instruction》	Material clerk					《Electronic account》	Contact the supplier and issue 《returning note》	
2	◇	Incoming inspection	specifications/model/pack	《Engineering BOM》 《 Sampling inspection plan 》 《IQC incoming material inspection instruction》	IQC	MA=0.25 MI=0.65	IQC	1. visual 2. Machine test 3. sample	Two dimensional vernier caliper	《IQC incoming inspection record 》	Inspection: OK, stamped with pass seal, The inspection shall be labeled as nonconforming product and issued at the same time 《8D Report Problem Solving Report 》, Notify the supplier of return and improve .	
3	○	material	quantity/product name/specifications	《 production instruction》 《Material receiving operation instruction》	Material clerk					《Material requisition and distribution		
4	○	pack	pack quantity/indicate	《Finished product packaging operation instruction 》	packager							
5	○	Delivery inspection	product appearance bad record Dimensional test Bad sign Good product packaging ROHS compliance	《Engineering BOM》 《 Sampling inspection plan 》 《OQCFinal inspection operation instruction 》	OQC	MA=0.25 MI=0.65	OQC	1. visual 2. Machine test 3. sample	Two dimensional vernier caliper	《OQC finished product inspection record 》	If the number of times of the same type of the same type missing in the daily inspection is greate, OQC issues the 8D report problem solving report to the production manager for analysis and improve	
6	○	delivery	product namespecification quantity delivery note	《Finished product shipping operation instruction 》	Material clerk					《Electronic account》		
	△	finish										
character	Revision date	Revised content				Revised ; Revised	Acknowledged by	Fiction		auditin g	approval	
①												
②												

③					date			date			date	
---	--	--	--	--	------	--	--	------	--	--	------	--

Shenzhen Kaipushen Communication Technology Co., Ltd		file NO	
		Enactment Date	
<b>FPC antenna inspection specification</b>		Page	
		edition	A0

1. **Purpose and purpose:** rigorous testing , Control the use of defective products and ensure product quality requirements.

2. **applicable scope:** FPC aerial. 3. **content**

item	content	tool	Inspection standards and technical requirements	Defect Description	stratum
packin g	characteristic	visual	The outer package is clearly labeled, Indicate, product name、specifications、quantity、date.	The identification is not clear and cannot be identified.	MIN
	Matter	visual	Uniform packaging, Clean and tidy, unbroken , No impact on handling 、 Storage, No wrong installation 、 mixed 、 Less clothes.	Inconsistent packaging, Dirty、 damp、 damaged., Affect handling 、 Storage.	MIN
appeara nce	surface	visual	FPC is not damaged、 Copper Exposed、 dehiscence、 chromatic aberration、 Yijiao,Gold finger is free of oxidation and brittle crack.	FPC is damaged、 Copper Exposed、 dehiscence、 chromatism、 rubber overflowing ,Oxidation of golden finger、 Brittle crack	MAJ
structu re	measurement	vernier caliper	Board size (dimensions) Same as template	The size is different from the sample 。	MAJ
	Material	sample plate	Same as template	Material is different from template	MAJ
perform ance	Electroplate	electro plating Machine	Golden finger degree golden brightness, coverage rate 100%	The gold plating is not bright, or the gold plating coverage is low.	MAJ
	forced jointing	chassis	FPC is pasted on its enclosure consistent with the preset pasting position, None.	FPC is pasted on its enclosure, Inconsistent with the preset pasting position , More or less .	MAJ

Formulate :

auditing :

Approve:

# RoHS Restricted Substances Composition Questionnaire

## RoHS restricted substance composition questionnaire

### Information of supplied products

Customer name	Description of Material/model	project name entry name	manufacturer	Green material identification
Horn	BT antenna/BTantenna	A855	Shenzhen Kepshen Communication Technology Co Shenzhen Kaipushen Communication Technology Co., Ltd	/

### Product composition information

Order Number	Component Name	Component part number	Component supplier	Third party test report		Restricted substance content PPM					Remarks	
				Date	No	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	hexavalent chromium (Cr <sup>6+</sup> )	polybrominated biphenyls (PBB)		polybrominated diphenyl ethers (PBDE)
1	3M adhesive backing	/	3M, USA	2023/12/27	SHAEC23021627701	○	○	○	○	○	○	
2	Base material (copper foil)	/	Kwai Lengti	2024/1/12	SHAEC24000428806	○	○	○	○	○	○	
3	Solder Resist Ink	/	YULI INDUSTRY	2024/6/14	ETR24600712	○	○	○	○	○	○	
4	electroplating/gold-nickel	/	Xindasheng	2024/3/26	A2240158803101001E	○	○	○	○	○	○	
5	Character ink	/	Kawahiro	2023/10/13	ETR23A00862M01	○	○	○	○	○	○	

Note:

1. Please indicate whether the content of the six restricted substances is compliant or non-compliant by ○ and ×; compliance is indicated by ○; non-compliance is indicated by ×.
2. PPM limit value: cadmium <100PPM; lead/mercury/hexavalent chromium/PBB/PBDE <1000PPM.
3. The total amount of lead, hexavalent chromium, mercury and cadmium in packaging materials shall not exceed 100 ppm.
4. This form should be completed in full and stamped by the supplier; here the supplier refers to the direct trading party. (Provide stamped paper or scanned PDF file)

# salt spray test report

## Salt spray test report

Date: February 12, 2025			
product name	A855	Customer	Horn
Supplier	Shenzhen Kaipushen Communication Technology Co., Ltd	National Test standard	GB/T 2423.2-2008
Sample situation	Sample qty: 5PCS		
	Coating: Gold plated $\geq 0.5\mu$ Coating: Gold plated $\geq 0.5\mu$		
Test start and end time	February 10, 2025 0900 hours to February 12, 2025 0900 hours Total 48 H (Total 48H)		
Test type	<input checked="" type="checkbox"/> NSS	<input type="checkbox"/> ASS	<input type="checkbox"/> CASS
Test condition	Salt solution: 5%		PH: 7.0
	Chamber temp: 35° C		Relative humidity: 85%.
	Spray way: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> intermittent		Compressed air pressure: 1kg/cm <sup>2</sup> .
	Salt spray sedimentation rate: 1-2ml/80cm <sup>2</sup> /h		Fog fluid collection: 1.4ml/80cm <sup>2</sup> /h
	Test cycle: 1 cycle		Spray time: 48h
Test results	Appearance after the test: The appearance is intact and there is no obvious change.		
	Appearance after test: appearance intact, without obvious change		
	Coating: no spalling, no rust		
Surface spraying, silk-screen printing: no shedding, no bubbles. Surface spraying, silk screen: no falling off, no bubbles.			
<p>Description Explanation.</p> <p>1, salt spray test operating standards in accordance with the national standards of the People's Republic of China GB/T2423.17-2008 implementation</p> <p>1、Salt spray test operating standards in accordance with the People's Republic of China national standard GB/T2423.17-2008 implementation.</p> <p>2, the test piece results in accordance with the national standards of the People's Republic of China GB/T6461-02 implementation</p> <p>2、The test piece results are determined according to the national standard GB/ T6451-02 of the People's Republic of China.</p>			
Operator by/date: Jian Chen		Reviewed by/date Approved by/date: Wu XingtuoXingtuoWU	

# high/low temperature test records

## High-low temperature test record

Product name	A855	Customer name	Horn	
Test qtu	6 pcs	Test date	February 12, 2025	
Cycle number	1	Time	48H	
Test				
High temp:+ 65 degrees Humidity: 90% RH Low temp:- 25 degree				
Test time: high temp: 48 H Low temp:48 H				
Test item	Uncycle test		Cycle test	
Serial number No	After high temperature	After low temperature temp	After high temperature	After low temperature temp
1	OK	/		
2	OK	/		
3	OK	/		
4	OK	/		
5	OK	/		
6	OK	/		
After test defect:				
Reason analysis Reason analysis:				
Improvement measures:				
Experimental results Test results:			√ qualified Pass	
Unqualified Fail				



# Packing mode (packing)

Customer name: customer:	Horn	Material name: material name	FPC antenna FPC aerial
Packing quantity: packing qty	one carton	Packing material: Packing material	Carton Carton
Carton quantity: Qty/carton		Packing way	Ziplock bag (Laminating assembly with blister tray Single packaging of blister discs for adhesive assembly )



Figure 1: Individual packages

Picture 2: Packing method

Picture 1: Single package

Picture 2: Packing way



Figure III



Figure IV

Fig. 3: View of the box (front, side, top  
(Ministry of Foreign Affairs))

Figure 4: Outer box labeling  
Picture 4: packing label

Picture 3: Packing view (front,

notes: If the antenna needs to be attached for processing, it should be packaged and shipped according