



Antenna Sample Confirmation From

Vendor Name	Shenzhen kenhaitong antenna technology co,ltd				
Customer Name	HUBSAN				
Sample Name	WIFI-antenna				
Part Number	H170A-AUX-ANT				
Specification	Double copper antenna, RF1.37 grey wire, wire length 245mm, 1st generation terminal, with ø22*4mmEVA				
Inspection Item	Performance	Total Appearance	structure	Others	Inspection Result
	OK	OK	OK	OK	OK
Remark					
QA Audit	OK	Engineer Audit	OK	Sales Confirm	OK
The following are filled by Customer					
Customer Evaluation					
Signation/ Chapter by Customer	date:				

address: 3rd Floor, West of Building 1, Hezhou Zhongkenuo Industrial Park,
Hangcheng Street, Bao'an District, Shenzhen
TEL: 0755-85274764 FAX: 0755-85274764



Antenna Test Report

Test by: Shenzhen kenhaitong antenna technology co, ltd			
Material	Copper tube + coaxial line +EVA		
Antenna Type	MonopoleType	Polarization mode	Linear
Application			
Band	2.4G	VSWR	≤1.5
Power	Max: 50W	Impedance	50Ω
dBi	2400-2500MHz		
	≤3.35		
Test Equipment	HPE5071C、Shielding Room、3D automatic turntable		



1. Project photos

2. 2, matching circuit

3. Darkroom test equipment and data

3.0. Test equipment

3.1. S11 parameters

3.2. Passive parameters of 2400-2500 antenna

4. Environmental treatment and assembly instructions

5. Structural drawings

6. Sample size inspection report

7. Reliability test report

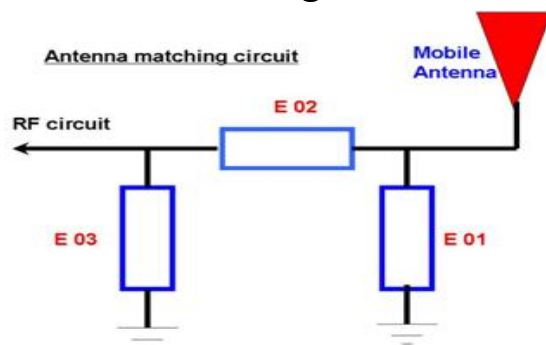
8. Packaging method



1. Project photo



2、Antenna Matching Circuit



Modify

E01	E02	E03
No	No	No

Note: There is no change if the match is matched.



3. Darkroom test equipment and data

3.0 Test Equipment

Test system: shielded darkroom

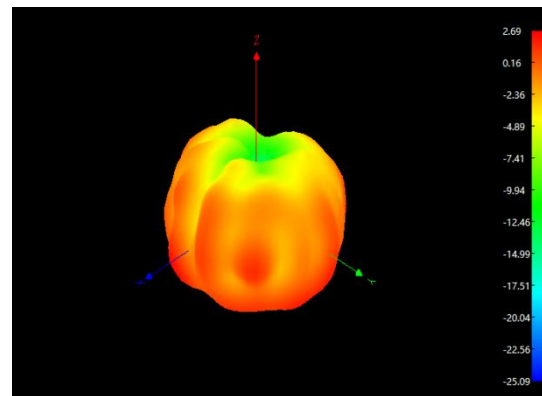
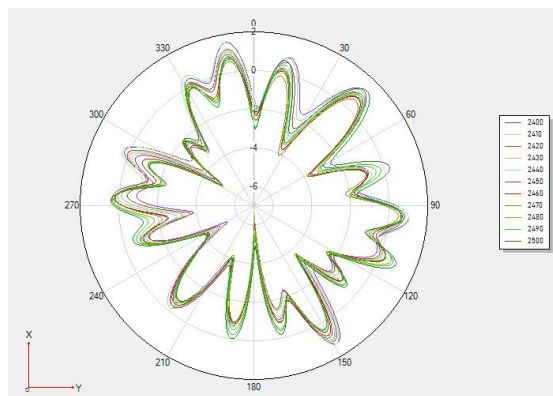
Test environment: Temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

Test equipment: When testing passive data, use the network analyzer
AgilentE5071C

When testing active data, use the synthesizer CMW500

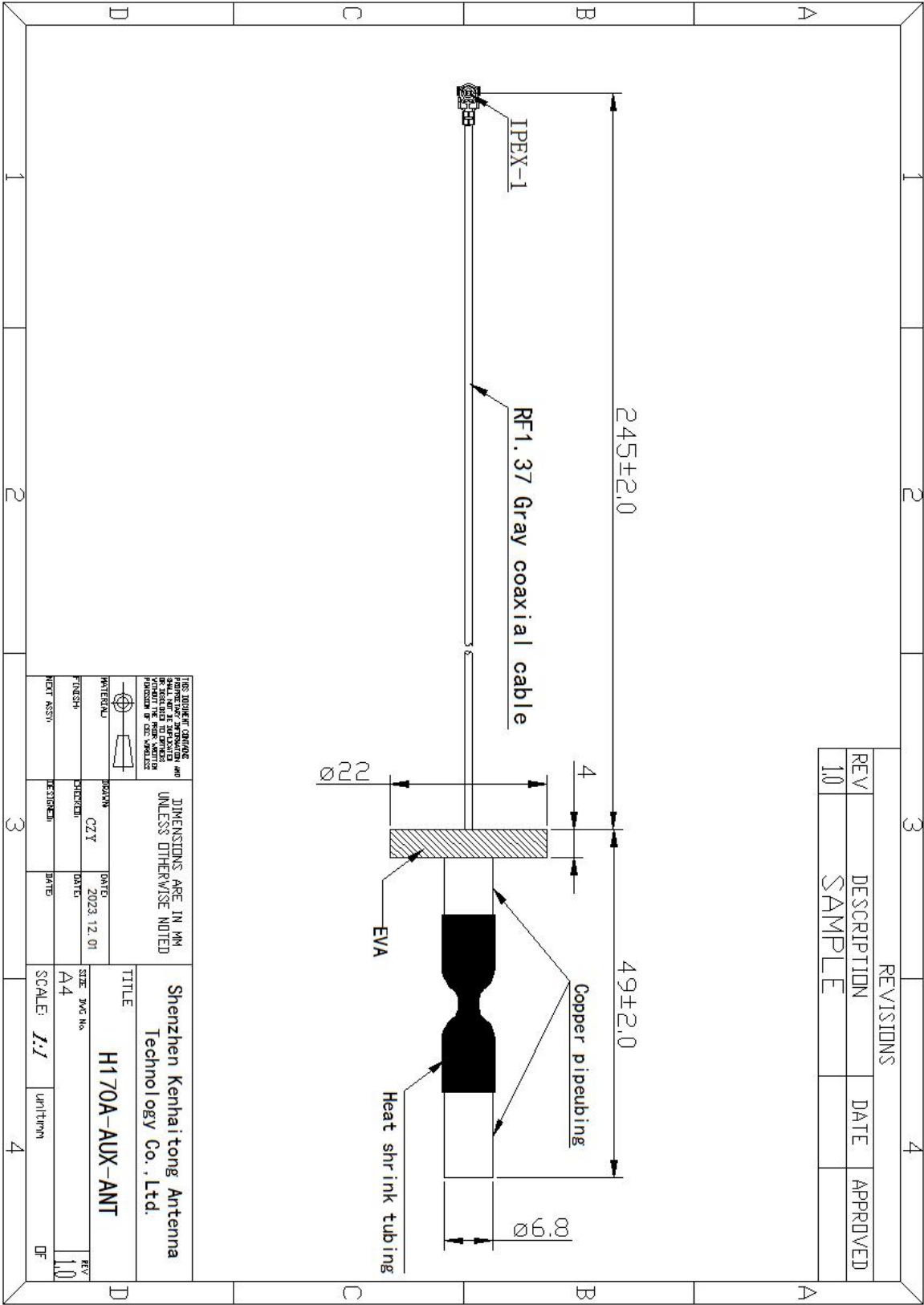
3.1、824-960Antenna passive parameters

Frequency / MHz	Gain/ dB	Efficiency / %
2400	2.69	71.61
2410	2.89	68.39
2420	2.63	69.98
2430	2.83	66.22
2440	2.93	70.31
2450	3.03	69.02
2460	2.94	67.76
2470	2.94	65.77
2480	3.11	67.76
2490	3.24	67.61
2500	3.35	67.61





4、Structural drawing



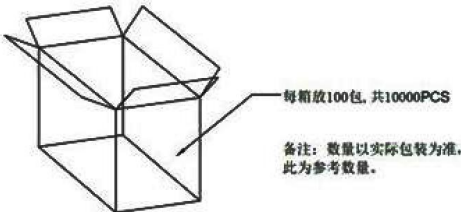
address: 3rd Floor, West of Building 1, Hezhou Zhongkenuo Industrial Park,
Hangcheng Street, Bao'an District, Shenzhen
TEL: 0755-85274764 FAX: 0755-85274764



Guangdong Jianbotong
Securities code: 831958



6、Packing method

Guangdong Jianbotong Technology Co., LTD					
Product packaging operation specification					
client: Harboson		Package name: H170A-AUX-ANT		Package number:	
Packaged version: TEST: A					
Packaging material details	ID	The name of a product or commodity	specification	dosage	Packaging product illustrations
	PE	Ziplock bag	120*85*0.12	1/50	
	SYC-BZ-01	Pocket box	280*230*170	1/5000	
Job procedure	1. Prepare the required packing materials and place them in a favorable position.				Matters needing attention
	2. In accordance with the product packaging operation specifications, with cartons /PE bags, packaging.				
Graphic description	50PCS/ bag, 100 bags per box, a total of 5000PCS.				1. Operators should wear gloves. 2. Pay attention to the quantity of packing, not more, less. Mantissa must be indicated. 3. Do not stack cartons too high. Prevent heavy overflow Glue.
	3. Put 100 bags in each box, a total of 10000PCS. After filling the box, seal the box with transparent tape.				
remark					Each box contains 100 bags, a total of 10000PCS Note: The quantity is based on the actual package
approval		check		craft	
JSB		DS		LSY	
				Day period	
				2023/12/01	