Shenzhen Kenhaitong Antenna Technology Co.,Ltd.

Antenna Sample Confirmation From

Vendor Name	Shenzhen kenhaitong antenna technology co,ltd				
Customer Name	Habson				
Sample Name	H170A				
Part Number	H170A-BT-ANT				
-Specification	PCB 51.75*9*1mm Black、RF0.81CABLE Black IPEX3 L=285mm/EVAø22*4mm				
Inspection Item	Performance	Total Appearance	structure	Audit	Inspection Result
	OK	OK			OK
Remark					
QA Audit		Engineer Audit		Sales Confirm	
The following are filled by Customer					
Customer Evaluation					
Signation/ Chapter by Customer	date:				

Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL: 0755-85274764 FAX: 0755-85274764

Shenzhen Kenhaitong Antenna Technology Co.,Ltd.

Antenna Test Report

Test by： Shenzhen kenhaitong antenna technology co,ltd			
Material	**PCB+CABLE+EVA**		
Antenna Type	**MonopoleType**	**Polarization mode**	**Linear**
Application			
Band	**2.4G/WIFI**	**VSWR**	**≤1.3**
Power	**Max：5W**	**Impedance**	**50Ω**
dBi	**2400-2500MHz**		
	≤3.78		
Test Equipment	**HPE5071C、Shielding Room、3D automatic turntable**		

Antenna Description:：

1. Grounding processing and picture description: no

2. Need to change the motherboard to match: no

- Test voltage: 3.6V, check the antenna contact is good before testing.
- The RF cable of the integrated tester is kept in a natural state and can not be curled.

Specification:test the specified power level, all indicators must conform to the specifications.

Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764 FAX：0755-85274764

Shenzhen Kenhaitong Antenna Technology Co.,Ltd.

1、Project photos

2、Antenna Matching Ciruit

3、Dark room test equipment and data

3.0、Test the equipment
3.1、S11 parameter
3.2、Antenna passive parameter

4、Environmental handling and assembly instructions

5、Structural drawings

6、Sample size inspection report

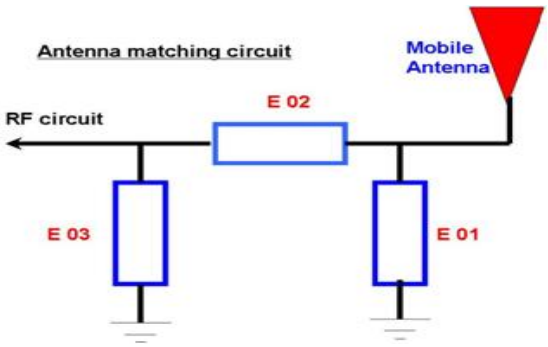
7、Manner of packing

Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764 FAX：0755-85274764

Shenzhen Kenhaitong Antenna Technology Co.,Ltd.

1、Project photos

2、Antenna Matching Ciruit



Modify

E01	E02	E03
No	No	No

Note: Match without modification.

Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764 FAX：0755-85274764

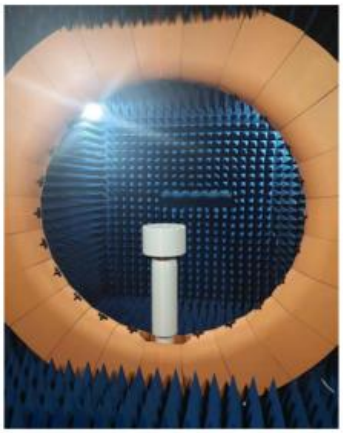
3、Dark room test equipment and data

3.0、Test the equipment

Test system: shield the dark room

Test environment: temperature 22℃± 3℃, humidity 50% ± 15%

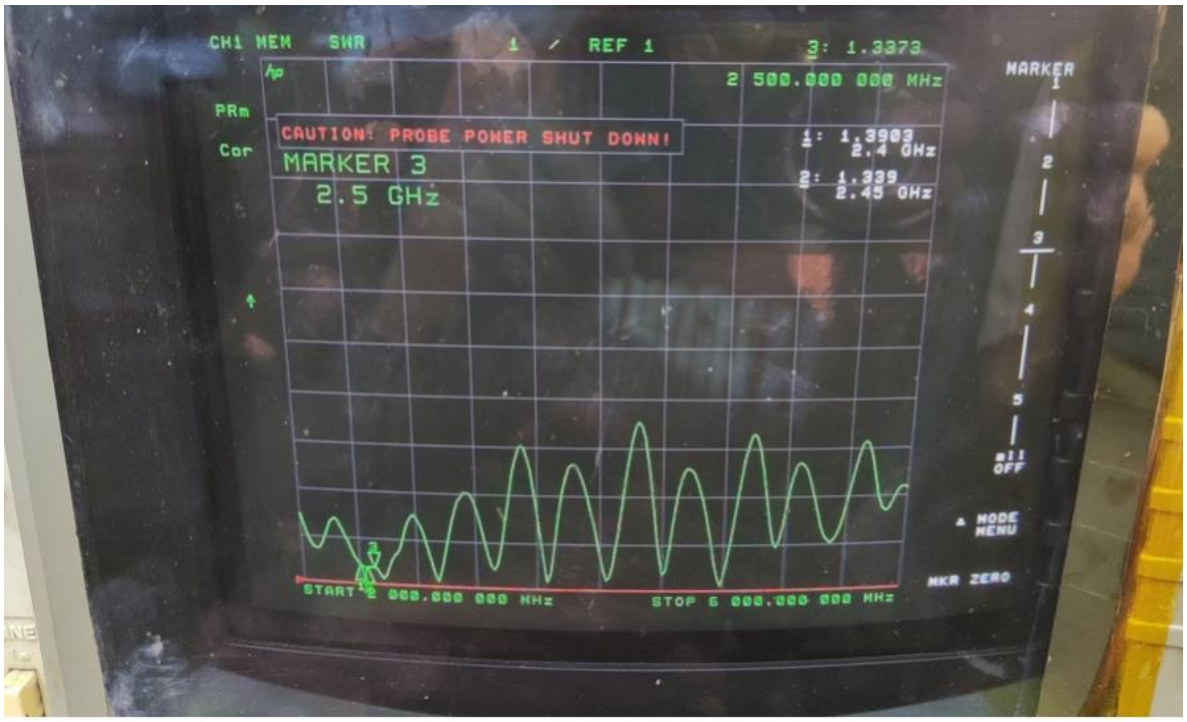
Test equipment: Use the network analyzer AgilentE5071C when testing the passive data When testing active data, use the comprehensive meter CMW500



Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen

TEL：0755-85274764 FAX：0755-85274764

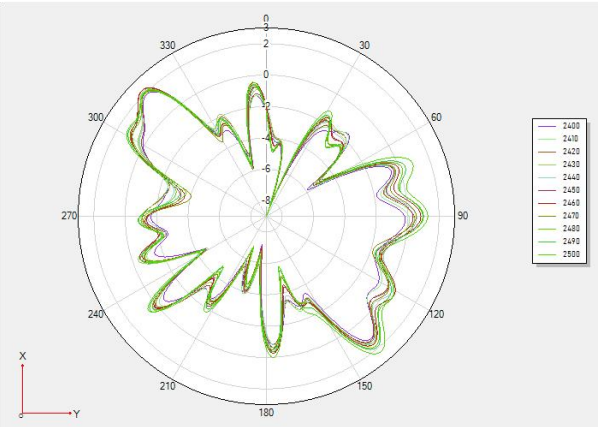
3.1、S11 parameter

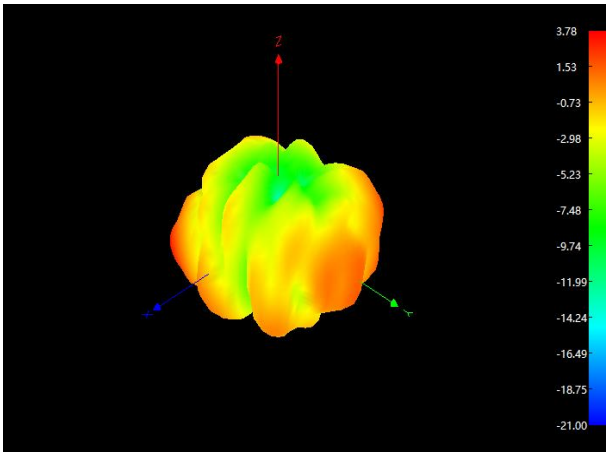


Frequency（MHz）	2400	2450	2500			
VSWR	1.3	1.3	1.3			

3.2、Antenna passive parameter

Frequency / MHz	Efficiency / %	Gain/ dB
2400	50.23	3.28
2410	49.2	3.56
2420	52.84	3.58
2430	50.82	3.72
2440	51.05	3.4
2450	49.89	3.71
2460	51.17	3.6
2470	48.08	3.66
2480	49.32	3.49
2490	49.89	3.78
2500	51.17	3.72





Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764 FAX：0755-85274764

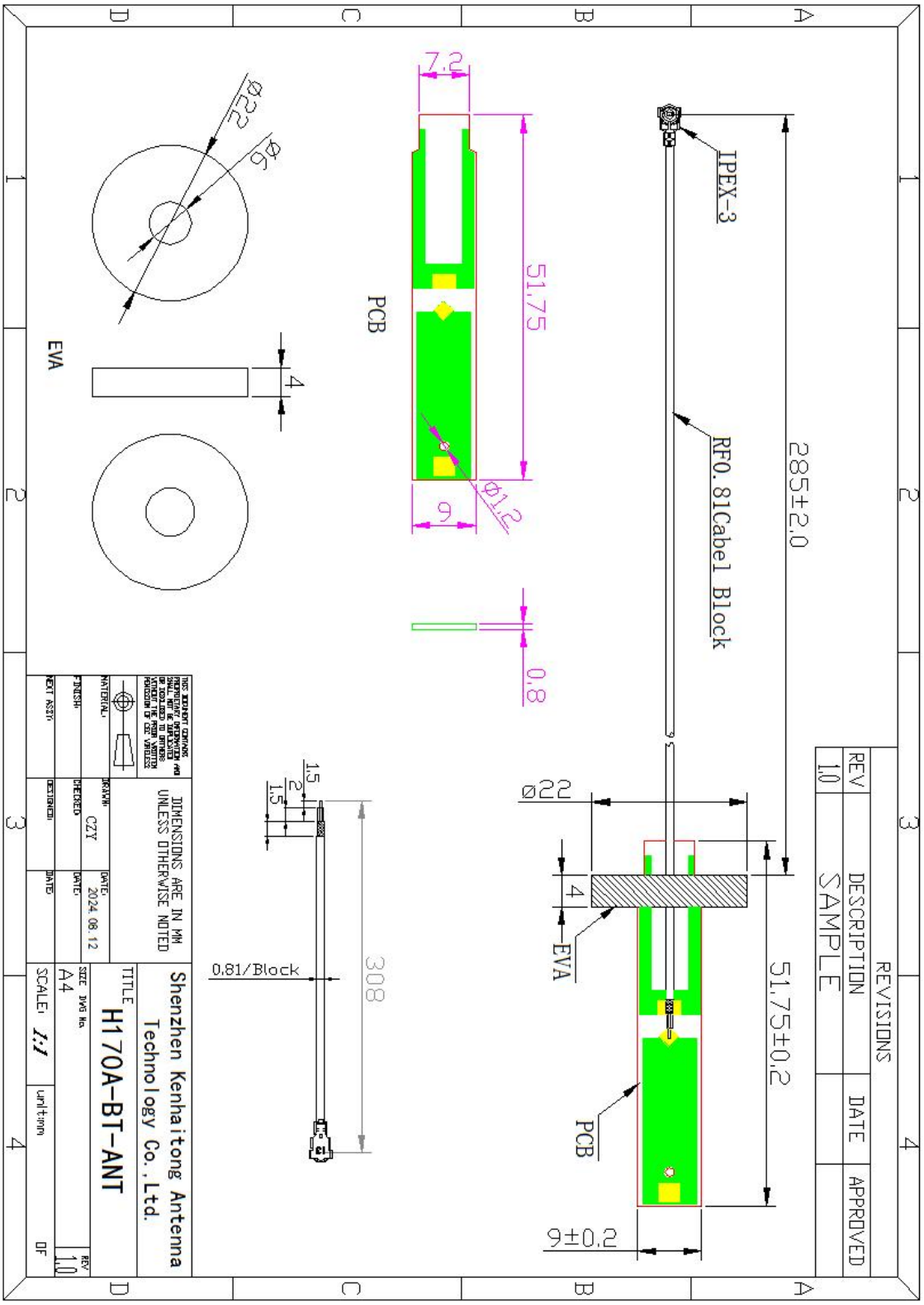
4、Environmental handling and assembly instructions

Figure the assembly antenna

BT ANTENNA

Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764 FAX：0755-85274764

5、Structural drawings



Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764 FAX：0755-85274764

6、Sample size inspection report

样品尺寸检验报告

Model：H170A-BT-ANT　　Date：2024-08-14

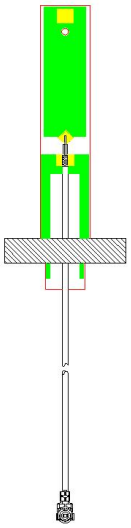
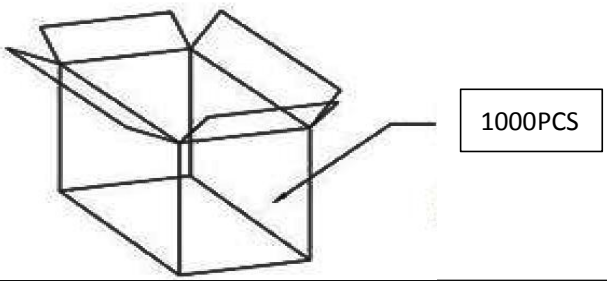
Test Items		Standard	Sample inspection status (value)					Determine	Remarks
			1	2	3	4	5		
Antenna structure size	A1	51.75±0.2mm	51.85	51.88	51.79	51.87	51.86	pass	
	A2	9.0±0.2mm	9.08	9.09	9.08	9.07	9.08	pass	
	A3	22±1.0mm	21.86	22.06	22.01	22.07	2.98	pass	
	A4	4±0.5mm	4.06	4.15	4.09	4.05	4.07	pass	
	A5	285±2.0mm	284.85	285	285.52	285.22	285.13	pass	
	A6								
	A7								
	A8								
	A9								
	A10								
	A11								
	A12								

核准：CZY　　审核： CXM　　测试：JXB

Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764　FAX：0755-85274764

Shenzhen Kenhaitong Antenna Technology Co.,Ltd.

7、Manner of packing

<table>
<tr><td colspan="6">Packaging</td></tr>
<tr><td colspan="2">Customer Name:Habson</td><td colspan="2">Name:H170A-BT-ANT</td><td>Code：</td><td>TEST：A</td></tr>
<tr><td rowspan="6">Package details</td><td>Code</td><td>name</td><td>size</td><td>quantities</td><td rowspan="6">  </td></tr>
<tr><td>PE</td><td>PE bag</td><td>230*330*0.12</td><td>1/100</td></tr>
<tr><td>SYC-BZ-01</td><td>Paper box</td><td>270*250*130</td><td>1/10000</td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td>job step</td><td colspan="4">1. Prepare the required packaging materials and place them in favorable operation positions.
2. Carcarton / PE bags, packaging, 100PCS / bag, 100 bags, 10,000 P C S per box.
3. Put 100 bags in each box, totaling 10,000 P C S. After filling the box, seal the box with transparent tape.
Graphic picture of packaging products</td></tr>
<tr><td>Illustration</td><td colspan="5"> 
</td></tr>
<tr><td>remark</td><td colspan="5"></td></tr>
</table>

compile	approval	MADE	DATE
JSB	DS	LSY	2024/08/14

Address:3rd floor, west of No.1 Building, Hezhou Zhonguo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen
TEL：0755-85274764 FAX：0755-85274764