



# Shenzhen Kenhaitong Antenna Technology Co.,Ltd.

广东健博通  
证券代码: 831958

## Antenna specification

Vendor Name	Shenzhen kenhaitong antenna technology co,ltd				
Customer Name	Habson				
Sample Name	KIT-H717G-BT-V07				
Part Number	H717G				
Specification	Black FPC 43.51*19.17 + Black RF0.81CABLE IPEX3 L=102MM				
Inspection Item	Performance	Total Appearance	structure	Audit	Inspection Result
Remark					
QA Audit		Engineer Audit		Sales Confirm	
The following are filled by Customer					
Customer Evaluation					
客户签字/盖章 Signation/ Chapter by Customer	日期/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



## Antenna Test Report

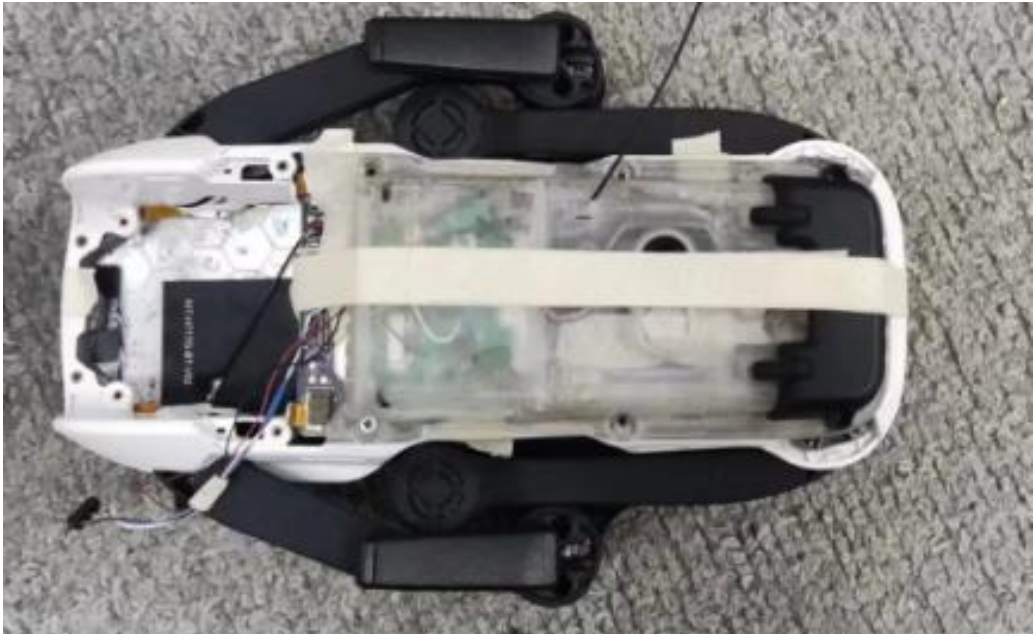
Test by: Shenzhen kenhaitong antenna technology co,ltd			
Material	FPC+CABLE+IPEX		
Antenna Type	MonopoleType	Polarization mode	Linear
Application			
Band	2.4G/BT	VSWR	≤1.5
Power	Max: 2W	Impedance	50Ω
dBi	4.15dBi		
Test Equipment	HPE5071C、Shielding Room、3D automatic turntable		
<p><b>Antenna Description::</b></p> <p><b>1. Grounding processing and picture description: no</b></p> <p><b>2. Need to change the motherboard to match: no</b></p> <ul style="list-style-type: none"><li>● Test voltage: 3.6V, check the antenna contact is good before testing.</li><li>● The RF cable of the integrated tester is kept in a natural state and can not be curled.</li></ul> <p>Specification:test the specified power level, all indicators must conform to the specifications.</p>			



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- 1、 Project Picture**
  - 2、 Antenna Matching Circuit**
  - 3、 Darkroom Test Equipment And Methods**
    - 3.1 S11 Parameter
  - 4、 Passive Test Data**
  - 5、 Structural Drawings**
  - 6、 Sample Size Inspection Report**
  - 7、 Packaging Method**

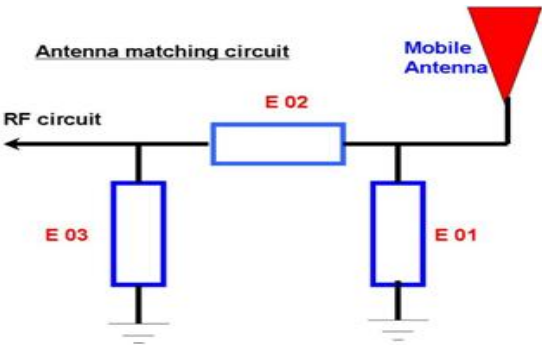


1、Project Picture



Note: The customer finally verified that the antenna performance prototype is retained in our company for at least one year to analyze and solve the abnormal situation in the antenna mass production and ensure the antenna shipment quality.

2、Antenna Matching Circuit



Modify

E01	E02	E03
No	No	No

Remarks: Match No Modification



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## 3、Darkroom Test Equipment And Methods



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CH1 MEM SWR 1 / REF 1 3: 1.0605

Ap

PRF

Car

MARKER 3  
2.5 GHz

1: 1.0225  
2.4 GHz

2: 1.5224  
2.45 GHz

2 500.000 000 MHz

MARKER

1

2

3

4

5

OFF

MODE MENU

STOP 12 000.000 000 MHz

STOP 6 000.000 000 MHz

MR ZERO

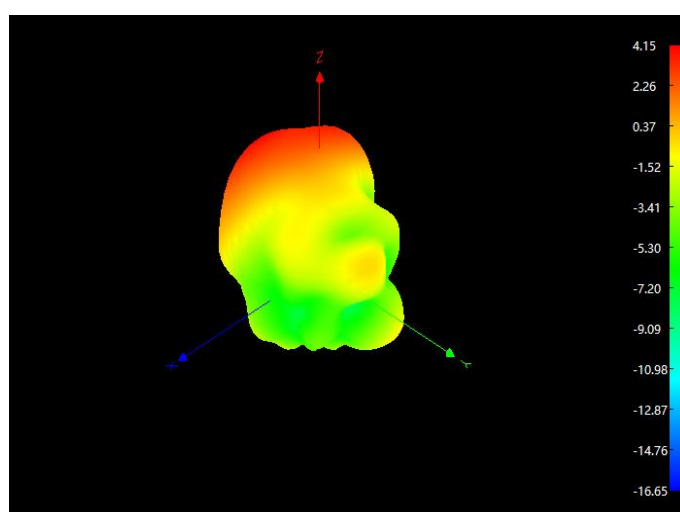
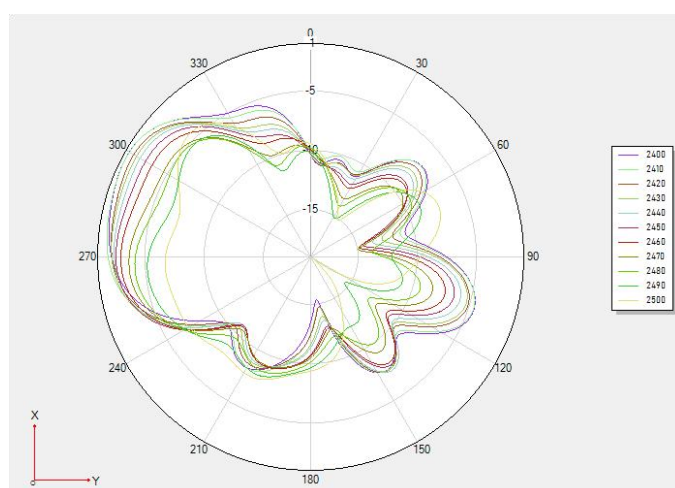
<b>Frequency (MHz)</b>	2400	2450	2500			
<b>VSWR</b>	1.0	1.5	1.0			

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## 4、Passive Test Data

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	46.03	3.66
2410	45.6	3.91
2420	46.13	3.97
2430	44.67	4.12
2440	44.87	4.04
2450	43.85	4.15
2460	41.02	3.64
2470	37.67	3.39
2480	36.06	2.82
2490	35.89	2.66
2500	36.31	2.46



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6、Sample size inspection report

Sample Size Inspection Report

Model: KIT-H717G-BT-V07

Date: 2023-06-30

Test Items		Standard	Sample inspection status (value)					Determine	Remarks
			1	2	3	4	5		
Antenna structure size	A1	43.51±0.15mm	43.53	43.50	43.52	43.50	43.51	pass	
	A2	19.17±0.15mm	19.18	19.17	19.17	19.18	19.19	pass	
	A3	102±1.0mm	101.95	102.08	102.11	101.98	102.11	pass	
	A4								
	A5								
	A1								
	A2								
	A3								
	A4								
	A5								
	A6								

核准: CZY

审核: CXM

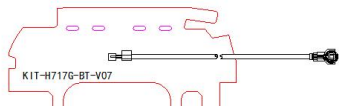
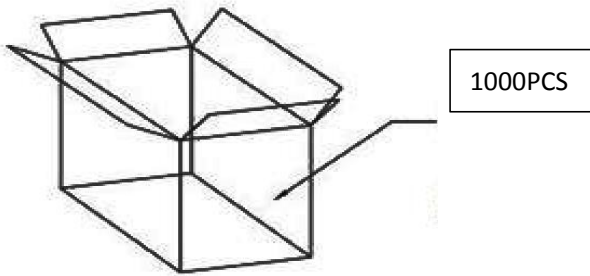
测试: JXB



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## 7、Packaging Method

Packaging					
Customer Name:Habson		Name:KIT-H717G-BT-V07		Code:	TEST: A
Packaging details	Code	name	size	quantities	
	PE	PE bag	230*330*0.12	1/100	
	SYC-BZ-01	Paper box	270*250*130	1/10000	
job step	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				
Illustration					
remark					
compile		approval	MADE	DATE	
JSB		DS	LSY	2023/07/01	

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