

Sample acknowledgement

Numbering:

Supplier Name	Shenzhen Xinhengyang Technology Co.				
Material Name	WIFI antenna	Material Number	CP. 21. 0000071	1	
Material Description	2. 4G+5. 8G PCB Antenna Silkscreen(XHY-JT079H-A03P. A0092-WIFI-V1. 0) 31. 5*14. 4mm RF4 0. 6 Sheet Single Side Black, White Silkscreen+Reverse Side Adhesive Backing+Coaxial Wire 1. 13 Double Tinned Wire Black L=170mm Without Terminal				
Supplier Code			Reference Request Form Number		
Applicable models	JT156G-H01		Reference Material Number		
degree of urgency	☐ Emergency ☒ General				
Type of recognition	☒ New material ☐ Material change ☐ Reserve supplier				
Recognition of projects	☒ Appearance ☒ Dimensions ☐ Weight ☒ Construction ☐ Electronic Performance ☒ Trial Installation ☐ Other				
Includes information	☐ ROHS ☐ SGS ☐ CE ☐ FCC ☐ UL ☐ MSDS ☐ Other				
Applicant: Date of Application: Receiver: Date of Receipt:					
Development Department - Electronics				tester	
Test results	Qualified	☐ NG	Other	department manager	
Development Department - Test DQA				tester	
Test results	Qualified	☐ NG	Other	department manager	
Development Department - Structures				tester	
Test results	Qualified	☐ NG	Other	department manager	
Development Department - Project Manager				tester	
Test results	☒ Qualified	☐ NG	Other	department manager	
engineering department				tester	
Test results	Qualified	☐ NG	Other	department manager	
Quality Department Testing				tester	

Test results	Qualified	☐ NG	Other	department manager	
Recognition of results	Provisional recognition	Recognition	I don't recognize it.	general manager's office	

Note: 1. All materials need to be confirmed by the signatures of 2 relevant persons in charge.

2, this letter by the issuing department is responsible for archiving, another copy of the R & D Department, the quality of the Department for safekeeping, in case of identification.

3、Emergency materials need to be recognized within 4H to complete, general materials recognized within 8H to complete.

4. Key materials such as displays need to be recognized in 3 days.

5. e\structure\test\project manager needs to be synchronized change

Shelf life: 3 years FORM NO:PS.015A

Flow: Purchasing Section → Development Section → Engineering Section → Quality Section

Recognition

specifications for appliances

Customer Name: Shenzhen Kui Hong Technology Co.

Product Model: JT156G-H01

Customer P/N : Y020104010138

X INHENG YANG Material No. X INHENG YANG P/N: CP.21.0000071

PRODUCT SPECIFICATIONS SPEC IFFCATIONS: 2. 4G+5.8G PCB Antennas + Black

1.13 Coaxial + wire length 170MM Welding wire

Production date: 2024.07.10

Sample Version: V 1

Xinhengyang (XINHENG YANG)		
Preparation (FICTION)	Structure (SE)	Research and Development (R&D)
Customer		
Procurement (PUR)	Quality (QC)	Research and Development (R&D)

Manufacturer: Shenzhen Xin Heng Yang Technology Co.

Shenzhen Address: Kanghe Sheng Building, No.1 , Chuangsheng Road, Xili, Nanshan District, Shenzhen, China. 7A

Tel: 0755-83600916 E-mail: gc@xhy-2008.com

Web site:<https://www.xhy-2008.com>www.xhy-2008.com

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III. Change history

Number	Effective date	Change record
V1	2024.07.10	Initial release

IV. The basic parameters

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ 5150MHZ~5850MHZ
VSWR	<2.00
Avg Efficiency	2.4G >55% 5.8G >45%
Impedance	50 ± 15 Ohm
Polarization	Linear
Peak Gain	2.4G: 4.53 dBi 5.8G: 3.63 dBi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	Φ170MM*1.13MM±2MM
ConnectorType	weld line
Dimension	31.50mm*14.40mm*0.80mm±0.2mm
C. Environmental	
Operation Temperature	- 20 .C ~ + 60 .C
Storage Temperature	- 30 .C ~ + 70 .C

V. Test equipment Introduction.

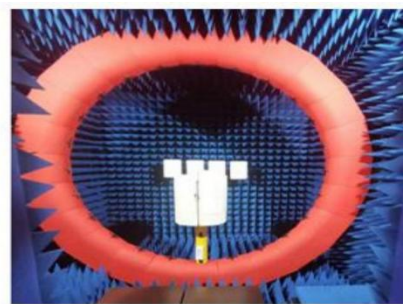
Microwave darkroom and no reflection chamber, absorbing short wave darkroom dark room Microwave darkroom by electromagnetic shielding room, filtering and isolation, grounding device, the ventilation duct, indoor distribution system, monitoring system, ceiling wave material part. Microwave darkroom by electromagnetic shielding room, filtering and isolation, grounding device, the ventilation duct, indoor distribution system, monitoring system, ceiling wave material part. based on the wave absorbing material as the lining of the shield room, it can absorb the most of the electromagnetic energy into the six wall is a better simulation of the free space conditions. It is a better simulation of the free space conditions.

The main working principle of microwave anechoic chamber is according to

the electromagnetic wave in the medium from the low magnetic guide magnetic direction of propagation rules, absorbing materials to guide the electromagnetic wave using high permeability, through resonance, a substantial absorption of electromagnetic wave radiation energy, by coupling the electromagnetic energy into heat energy.

main performance:

Frequency range:400MHz ~ 6GHz ceiling reflected wave loss materials: 400MHz ~ 6GHz is equal to or more than 15dB (microwave absorbing material by composite wave absorbing materials, namely tapered containing carbon sponge suction wave material paste in ferrite).



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VI. Performance Test Report (Test Report)

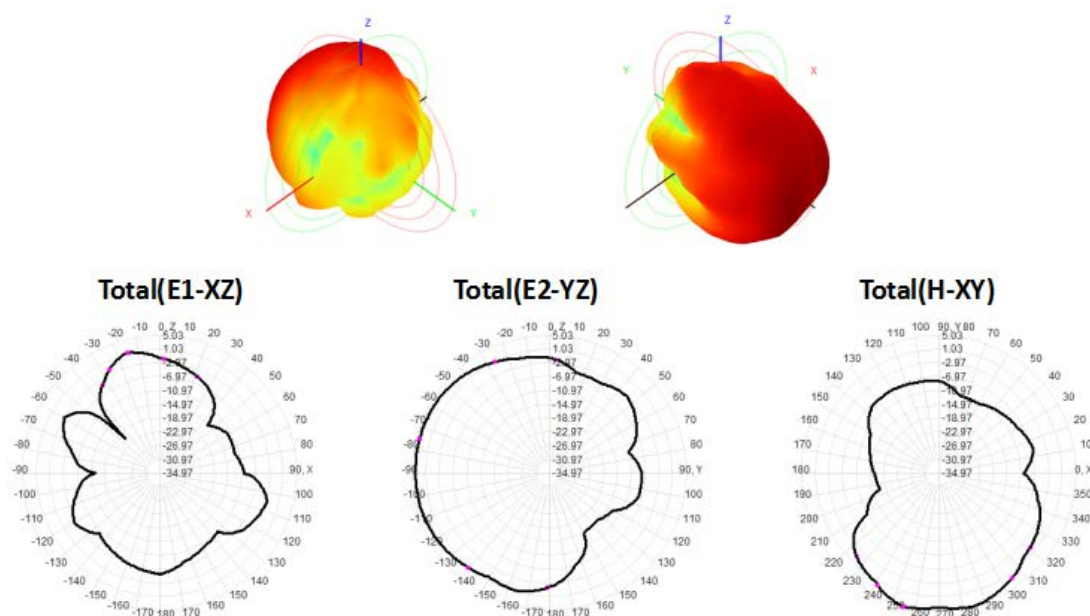
Those specifications were specially defined for JT156G-H01 model.

1. Antenna position.

2. Antenna passive field pattern and passive efficiency gain

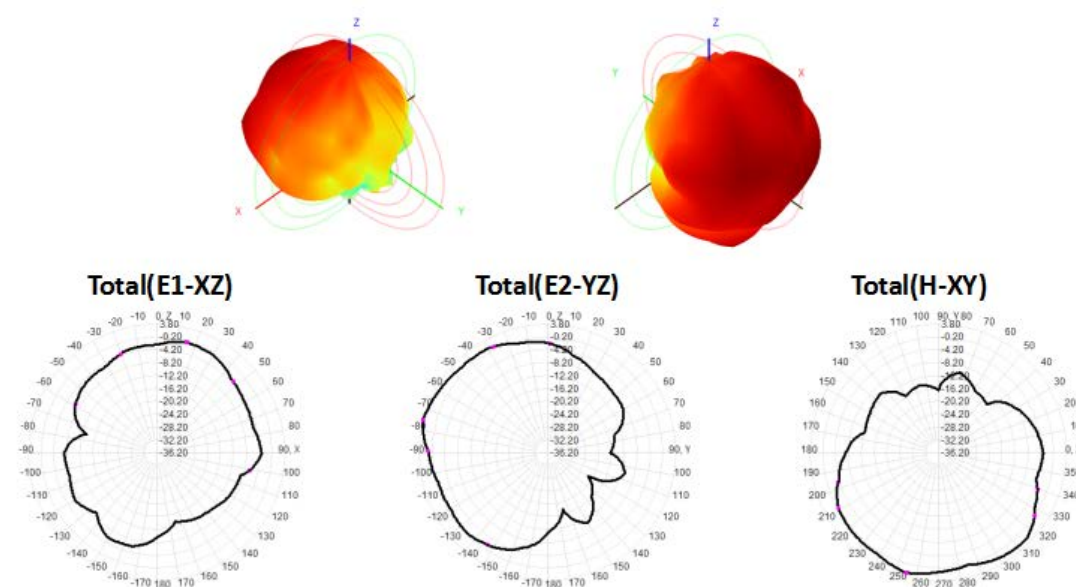
table.

WIFI-2.4G.



Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	3.03	57.60
2	2410.0	3.03	58.15
3	2420.0	3.09	58.44
4	2430.0	3.27	59.55
5	2440.0	3.31	59.82
6	2450.0	3.28	60.55
7	2460.0	3.56	62.06
8	2470.0	4.03	62.80
9	2480.0	4.34	62.83
10	2490.0	4.53	62.41
11	2500.0	4.52	61.21

WIFI-5. 8G.



Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	5150	2.78	53.53
2	5200	3.02	51.91
3	5250	3.15	55.20
4	5300	3.34	55.07
5	5350	3.27	53.58
6	5400	3.63	53.94
7	5450	2.92	56.19
8	5500	2.84	50.54
9	5550	3.10	50.50
10	5600	2.52	54.53
11	5650	2.12	50.99
12	5700	2.37	48.65
13	5750	2.56	55.75
14	5800	2.57	53.38
15	5850	2.06	48.36

Shenzhen XINHENG YANG Technology Co., Ltd

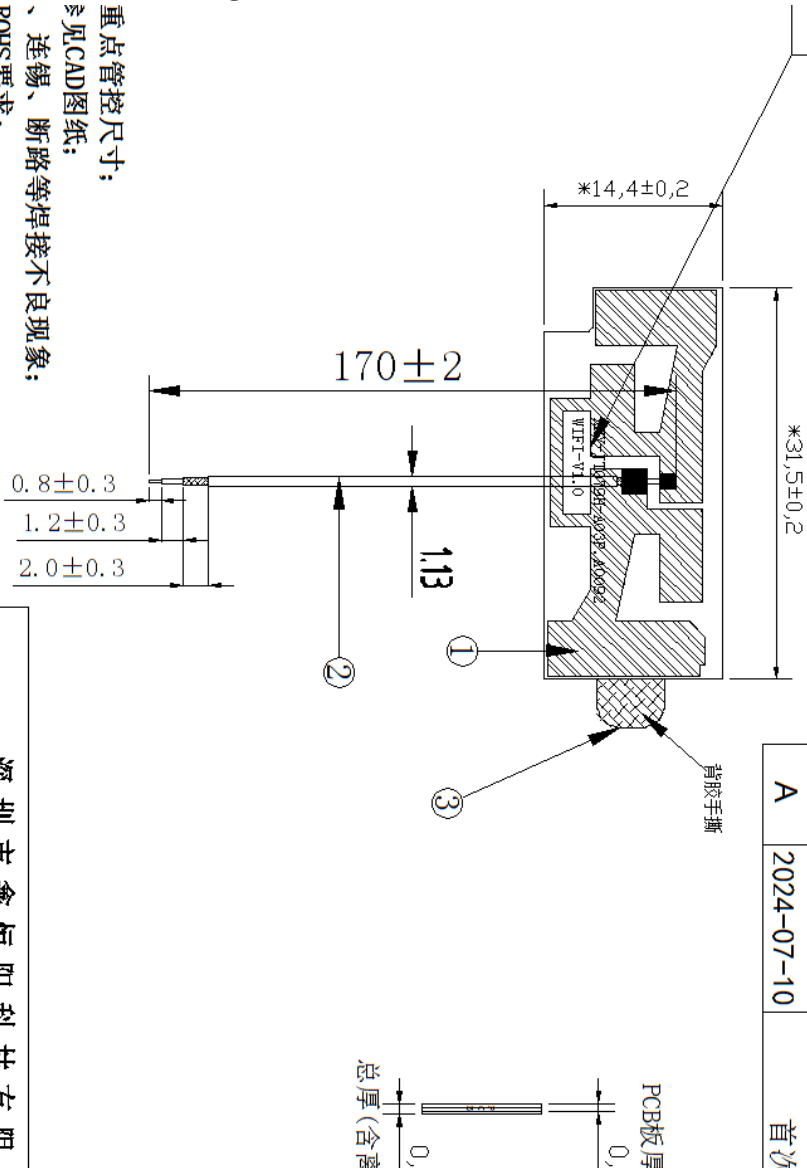
3. OTA:

Test Condition		Xin Heng Yang Antenna	
band	Channel	TRP (dBm)	TIS (dBm)
802.11 A	149	9.07	-71.63
	157	9.77	-73.10
	165	8.33	-72.55
802.11 B	1	16.13	-77.07
	6	15.36	-76.4
	11	15.55	-80.01
802.11 G	1	11.65	-67.84
	6	12.05	-67.22
	11	12.54	-65.67
802.11 N	1	10.85	-59.91
	6	9.86	-61.11
	11	10.57	-60.61
802.11 AC	36	9.56	-56.49
	149	7.59	-58.17
	161	7.67	-55.80
802.11 AX	36	9.18	-62.29
	149	9.63	-60.69
	161	7.78	-64.08

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七、 Engineering Drawing (Product Drawing)

重点管控尺寸：
见CAD图纸；
、连锡、断路等焊接不良现象；
ROHS要求；
能；



深圳市鑫恒阳科技有限公司									
第三角法		机种		品名		料号		材料	
0~10	±0.10	0.02	天	天	天	07.21.0000071	设计	Y020104010138	确认
10~20	±0.12	0.03	料	料	料	07.21.0000071	设计	Y020104010138	确认
20~40	±0.15	0.02	材	材	材	07.21.0000071	设计	Y020104010138	确认
40~	±0.20	0.04	客	客	客	07.21.0000071	设计	Y020104010138	确认
请勿夹测图线									
位置									
客户料号									
Y020104010138									
单位									

ROHS

Antenna XHY-JT079H-A03P. A0092 WIFI-V1.0 meets ROHS requirements.

Product packaging instructions

A. Packing should meet the moistureproof, vibration, pressure and mildew proof, etc.

B. the smallest packing unit logo must have the manufacturer

trademarks, product model, name, code and quantity.

C. in the attached packing list, certificate of approval, and the factory

inspection report.

*****END*****

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