



承认书

SPECIFICATION FOR APPROVAL

客户名称Customer Name: Shenzhen Kui Hong Technology Co.

产品型号Product Model: JT215M-H01

客户料号Customer P/N :

鑫恒阳料号XINHENGYANG P/N: CP. 21. 0000076

产品规格SPECIFICATIONS: 2. 4G+5. 8G PCB Antennas + Black

1. 13 Coaxial + wire length 140 MM
Welding wire

制作日期Production date: 2024. 07. 29

封样版本Sample Version: V1

鑫恒阳（XINHENGYANG）		
编制（FICTION）	结构（SE）	研发（R&D）
客户（Customer）		
采 购（PUR）	品质（QC）	研发（R&D）

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三、变更履历 (Changehistory)

Number	Effectivedate	Change record
V1	2024.07.29	Initialrelease



四、基本参数 (Thebasicparameters)

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ 5150MHZ~5850MHZ
VSWR	<2.00
AvgEfficiency	2.4G>50% 5.8G>50%
Impedance	50±150hm
Polarization	Linear
PeakGain	2.4G:3.98dBi 5.8G:3.68dBi
B. Material & Mechanical Characteristics	
MaterialofRadiator	PCBblack
CableType	Φ 140MM*1.13MM±3MM
ConnectorType	焊线
Dimension	31.50MM*14.40MM*0.80MM±0.2MM
C. Environmental	
OperationTemperature	-20℃~+60℃
StorageTemperature	-30℃~+70℃

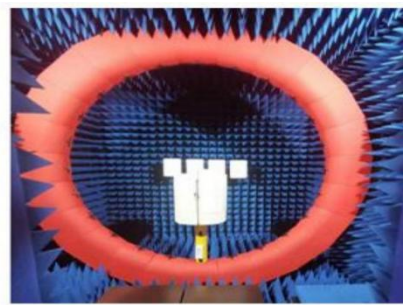
五、测试设备Introduction:

Microwavedarkroomandnoreflectionchamber, absorbingshortwavedarkroomdark room. Microwavedarkroombyelectromagneticshieldingroom, filtering and isolation, grounding device, the ventilationduct, indoordistribution system, monitoring system, ceiling wave material part. Itisbased on thewaveabsorbingmaterialas theliningoftheshieldroom, it can absorb the most of the electromagnetic energyinto thesix wallis a better simulationofthefreespaceconditions.

Themainworkingprincipleofmicrowaveanechoic chamber is according to theelectromagneticwaveinthemediumfromthelowmagneticguidemagneticdirect ionofpropagationrules, absorbingmaterialstoguidetheelectromagneticwaveu singhighpermeability, throughresonance, asubstantialabsorptionofelectro magneticwaveradiationenergy, bycoupling the electromagnetic energyintoheatenergy.

mainperformance:

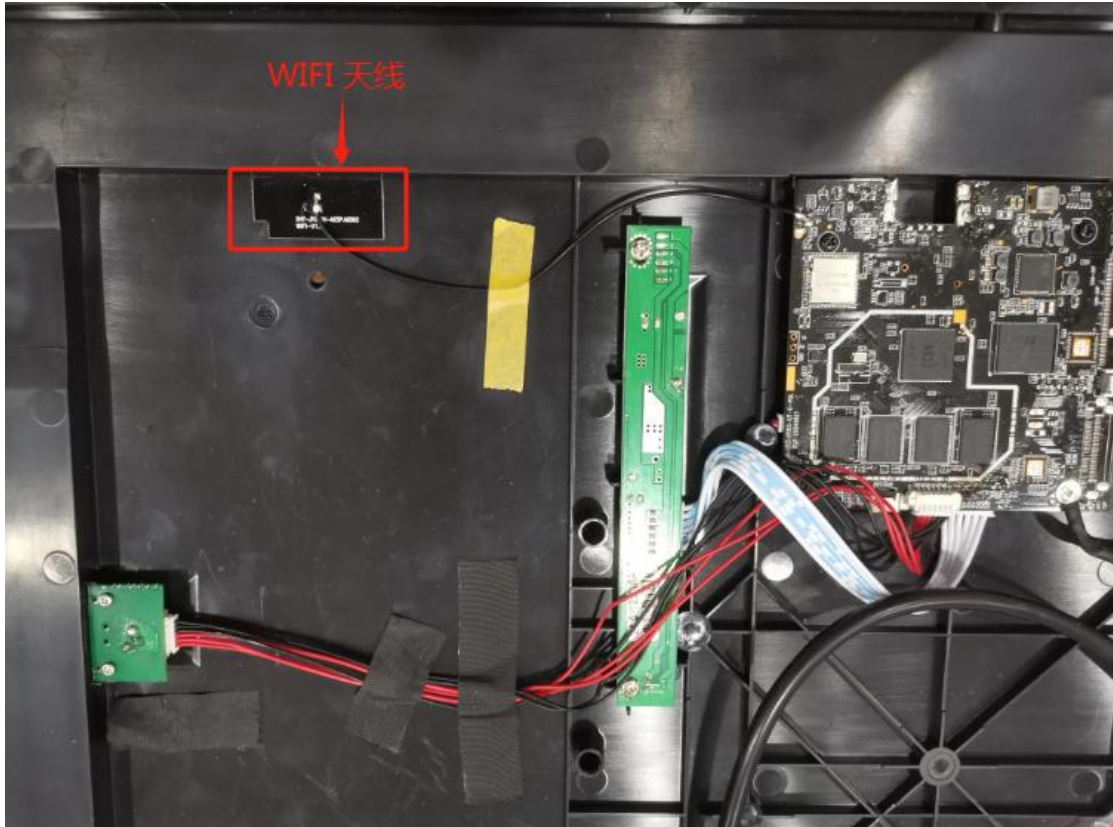
Frequency range:400MHz ~ 6GHz ceiling reflected wave loss materials:400MHz~6GHz is equal tomorethan 15dB (microwaveabsorbingmaterialby compositewave absorbingmaterials, namely tapered containingcarbonsponge suction wave material pasteinferrite).



六. 性能测试报告 (TestReport)

Those specifications were specially defined for JT215M-H01model.

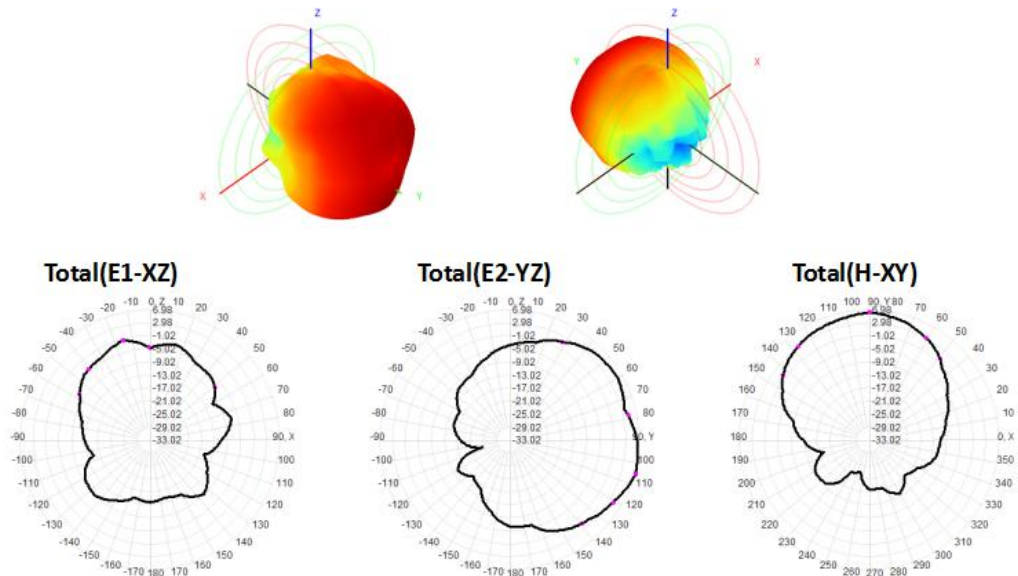
1. Antennaposition:



2. Antennapassivefieldpatternandpassiveefficiencygain

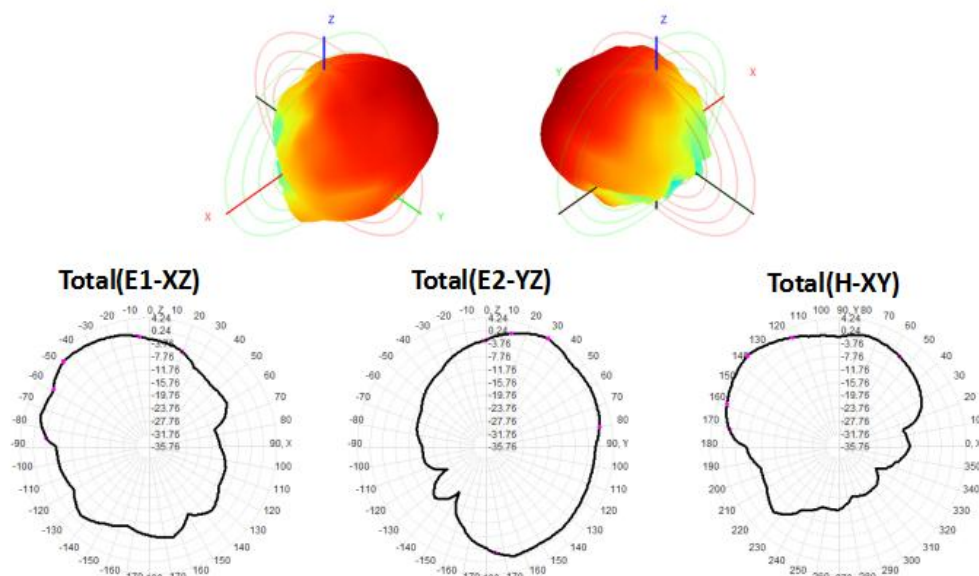
table:

WIFI-2.4G:



FrequencyID	Frequency(MHz)	Gain(dBi)	Efficiency(%)
1	2400.0	3.98	62.32
2	2410.0	3.88	62.29
3	2420.0	3.69	62.94
4	2430.0	3.47	64.71
5	2440.0	3.39	67.08
6	2450.0	3.57	67.88
7	2460.0	3.69	67.85
8	2470.0	3.83	67.12
9	2480.0	3.85	65.85
10	2490.0	3.77	63.55
11	2500.0	3.91	60.87

WIFI-5.8G:



FrequencyID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	5150	2.99	66.23
2	5200	2.63	63.79
3	5250	2.55	66.65
4	5300	2.45	65.31
5	5350	3.21	65.85
6	5400	3.15	65.16
7	5450	3.02	66.84
8	5500	3.65	64.20
9	5550	3.16	63.79
10	5600	3.15	66.16
11	5650	3.63	62.95
12	5700	3.16	60.59
13	5750	3.68	67.36
14	5800	3.61	65.64
15	5850	3.39	59.08

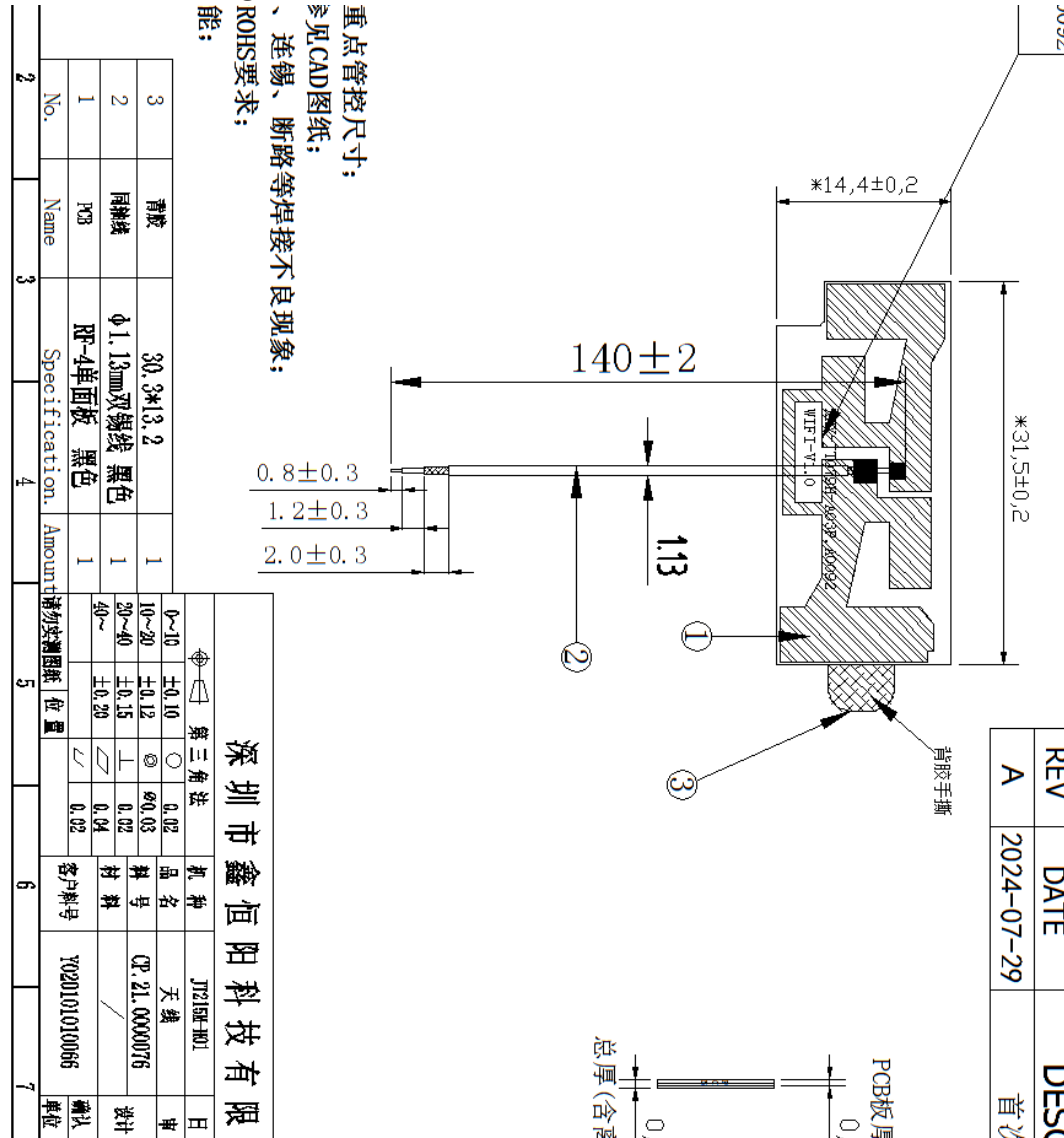


3. OTA:

TestCondition		鑫恒阳天线	
band	Channel	TRP (dBm)	TIS (dBm)
802.11A	149	13.93	-70.33
	157	12.05	-72.18
	165	12.13	-69.22
802.11B	1	12.70	-77.31
	6	13.72	-76.57
	11	14.05	-76.29
802.11G	1	16.82	-68.68
	6	14.77	-69.68
	11	15.64	-71.86
802.11N	1	16.61	-64.37
	6	15.57	-65.55
	11	14.24	-66.23
802.11AC	36	14.30	-59.68
	149	15.00	-58.09
	161	14.04	-58.84
802.11AX	36	14.86	-61.05
	149	13.93	-56.33
	161	13.17	-55.69



七、 工程图纸 (ProductDrawing)



八、 ROHS

Antenna_XHY-JT079H-A03P. A0092 WIFI-V1.0 meets ROHS

requirements.

九、 Productpackaginginstructions

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*****

R & D, production and sales of professional wireless terminal antenna