



APPROVAL SHEET

承认书

CUSTOMER NAME Customer's name	Shenzhen Hengshengwei Electronics Co., Ltd.
CUSTOMER P/N Customer material number	H. DZ. SJ. TX. 00026.
PART NAME Article Name	2. 4G/5. 8G Black rubber antenna
P/N Expect Howl	YJC-60302-B30.
. APPROVAL REV. Printing block Come next in order	A0.
DELIVERY DATE Sample delivery date	2021 Year Ten Moon 14 Sun
PREPARED BY Bear Do	 Wu Jiaxiong
CHECKED BY Examine Stone	Fang Wenfeng
APPROVED BY Stone Standard	
Customer Approved Visitor Door Bear Recognize	



Prepared By Bear Do	Checked By Examine Stone	Approved by Stone Standard

Contact information of Yingjiachuang (factory):

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used in ancient China212

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Catalogue

1. Cover...1
2. Catalogue...2
3. Resume.....Three
4. Antenna floor plan...4
5. Antenna technical parameters and environmental performance test...5
6. The physical picture of the antenna...6
7. Antenna performance test chart...6
8. .ROHS.Material control report...7



Resume:

Edition	Change content and reasons for change	Date	Circulate
A/0.	The first edition is released	2021 Year Ten Moon 14 Sun	

Antenna floor plan:



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RoHS

REV	DATE	DESCRIPTION	NAME
A0	2021-10-14	新版发行	吴佳雄
A1			

要求: 1. 成品须100%测试导通OK
2. 成品须100%全检OK.
3. 采用环保制程, 成品
4. 符合ROHS要求.
5. 未注公差请以一般公差为准.
6. *为重点标注尺寸.

50PCS/大袋

外部包装材料标示卡
与ROHS标签各1PCS

频率范围(FREQUENCY RANGE) 2400-2500/5150-5850MHz
增益 (Gain) 3dB1
电压驻波比(VSWR) <1.92:1
极化 (Polarization) Linear, Vertical
最大功率(Max power rating) 50W
特性阻抗 (Impedance) 50欧姆

母针
黑色胶套
16.5
30±1
*37±2

零件名称 (PART NAME) 天线
产品规格 (PRODUCT NAME) 2.4G/5.8G 黑色棒状天线
设计 吴佳雄
审核 CKK.
批准 APPL.

规格 (UNIT) mm
比例 (SCALE)
版本 (REV) A0
物料号 (PRODUCT NO.) YJC-60302-B30
生产日期 (ORIGINAL DATE) 2021-10-14

深圳市英佳创电子科技有限公司
SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO.,LTD

第1页,共1页

Antenna technical parameters and environmental testing:

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Technical parameters of electrical appliances

Lightning Nature Nai Finger Treetop		Electrical specifications	
Frequency range	2400-2500/5150-5850 MHz	Frequency Range	2400-2500/5150-5850 MHz
Voltage standing wave ratio	<1.92	VSWR.	<1.92
Input impedance	50 Ω	Input Impedance	50 Ω
.Directions	Omni-oriented	Direction.	All
Increase	3 dBi	Gain	3 dBi
Trigger mechanism Shackles Finger Treetop		.Mechanical Specifications	
Antenna color	Black	Antenna Color.	Black.
Interface form	SMA.	Input connector.	SMA.
Antenna length	37 mm	.Antenna length.	37 mm
Working temperature	-20℃~+70℃	Working temperature	-20℃~+70℃
Working humidity	20 percent to 80%	Working humidity	20 percent to 80%

Environmental performance test:

Project	Test conditions	Specifications
Storage environment	The test temperature, humidity and air pressure without specifying are as follows: 1. The temperature is -30℃~+80℃ Two. The relative humidity is 45% to 85% 3. The air pressure is 86kpa-106kpa	The electrical and mechanical properties are normal.
High and low temperature test	At 70℃. Give -20℃ Carry out between 5 Sub-cycle, and then under normal conditions 1-2 hours, check the appearance quality.	The size should meet the requirements and meet the mechanical and electrical properties.



Constant humidity and heat resistance test	Relative humidity $95\pm3\%$, test temperature: 40°C ..Last2 hoursAfter the action, after the test product is taken out5 minutesThe electrical performance is measured inside, and the test product is under normal conditions.1-2 hours, check the appearance quality	The size should meet the requirements and meet the mechanical and electrical properties.
Vibration test	Vibration frequency range10-55HZ, displacement amplitude:0.35 MM, acceleration amplitude:50.0 M/S, the number of sweep cycles:30Come next in order	The electrical and mechanical properties are normal.
Drop test	1MThe high altitude falls freely in the direction of the axes perpendicular to each other.ThreeCome next in order	The electrical and mechanical properties are normal.

Physical picture of the antenna:



Antenna performance test chart





Shenzhen Yingjiachuang Electronic Technology Co.,
Ltd. [Http://www.szsyjc.com](http://www.szsyjc.com)

Thing ExpectRoHS. Tally Ge Nature Declare Report to Surface											
I hereby certify that the zero components delivered to your company, the raw materials used in auxiliary materials, and the additives in the production project are all in accordance with RoHS. Environmental protection requirements of the Directive on Restricting the Use of Hazardous Substances (RoHS. Order 2011/65/EC)											
The report on the components of raw materials used in components, auxiliary materials, packaging materials and additives used in the production process is as follows:											
Name of constituent materials Component /Part Name	Components Material. .Composition.	Internet content provider Report number ICP report #	Testing instituti on Test Organ.	Test time Test date	Have Harm Thing .Nature Hold in the mouth Measure(Ppm)						Is it qualif ied?? PASS?
					Compa ct disc	Pb.	Hg.	Cr. 6+	PBB.	PBDE.	PASS
Spring	Brass	SZXEC2100360301.	SGS.	03/21/01	ND.	85	ND.	ND.	ND.	ND.	PASS
Plastic parts	ABS.	ETR21106223M01.	SGS.	02/21/07	ND.	ND.	ND.	ND.	ND.	ND.	PASS
Environmen tally	Environme ntally	SHAEC2112368002.	SGS.	06/21/22	ND.	51	ND.	ND.	ND.	ND.	PASS

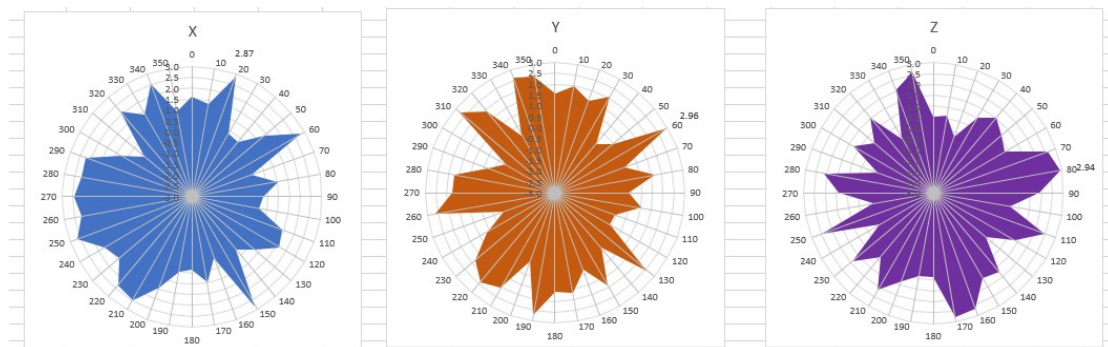


friendly tin	friendly tin										
SMA.	PTFE ROD.	CANEC2018926401.	SGS.	11/20/10	ND.	11	ND.	ND.	ND.	ND.	PASS
	Gold plating	A2210000316101001.	SGS.	01/21/07	ND.	ND.	ND.	ND.	ND.	ND.	PASS
	Copper	SZXML2100129801.	SGS.	01/21/20	30	31129	ND.	ND.	ND.	ND.	PASS

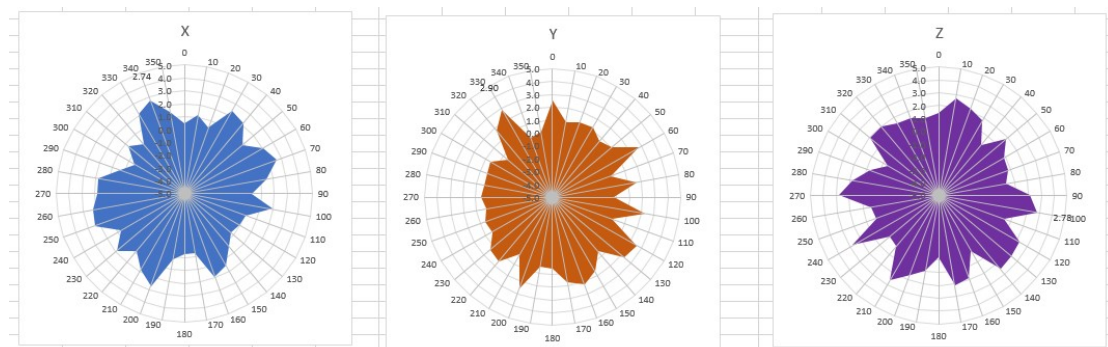
Sequence7 Page Share7 Page

Antenna Radiation Pattern.

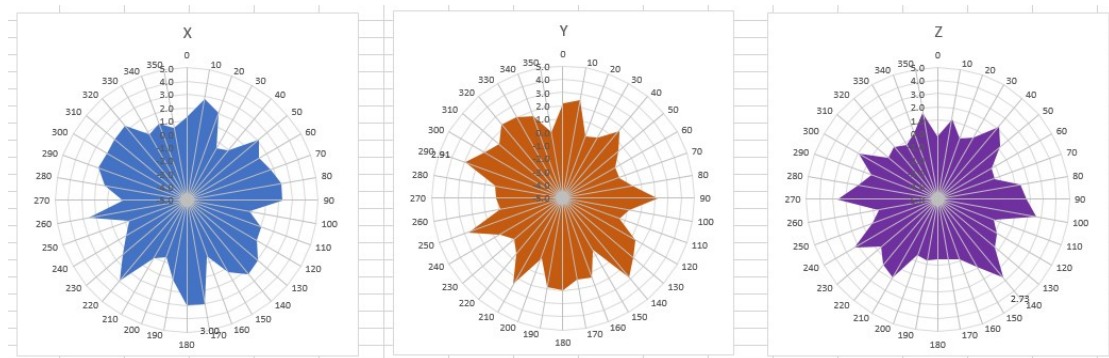
2400 MHz



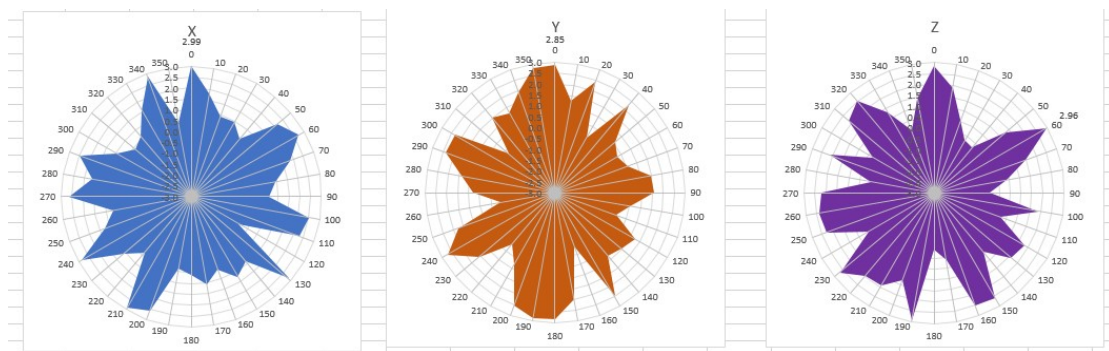
2450 MHz



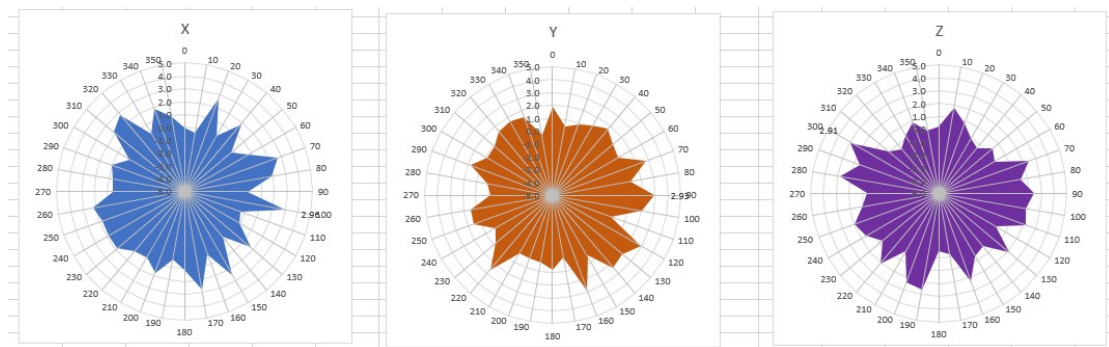
2500 MHz



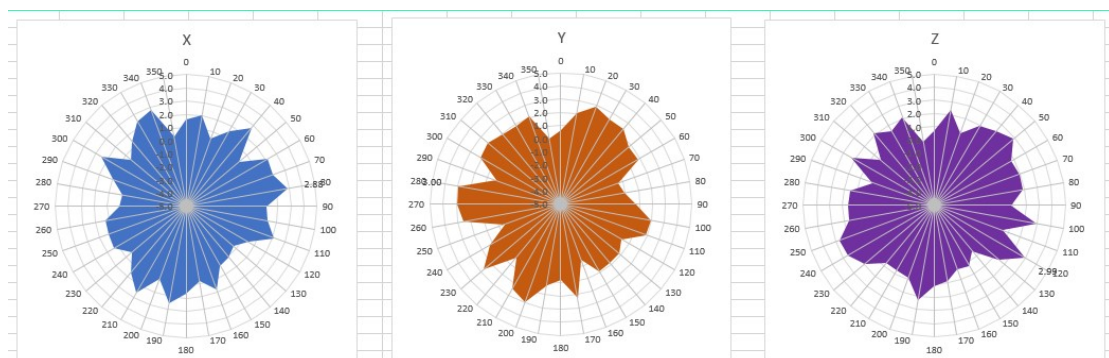
5180 MHz



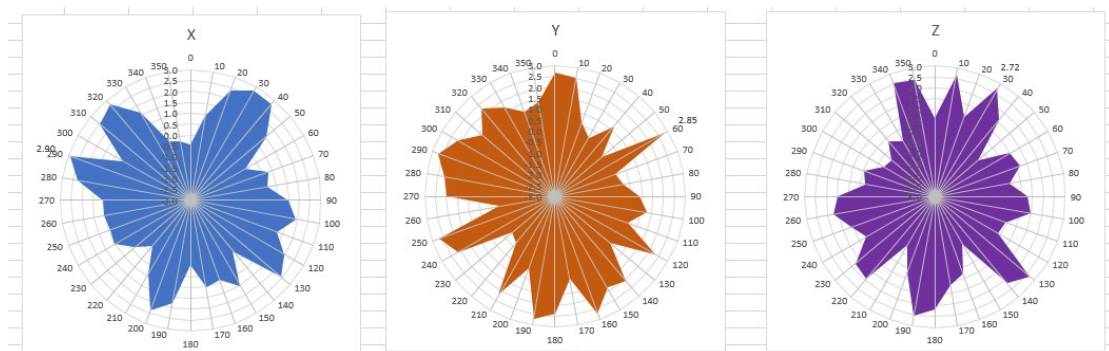
5220 MHz



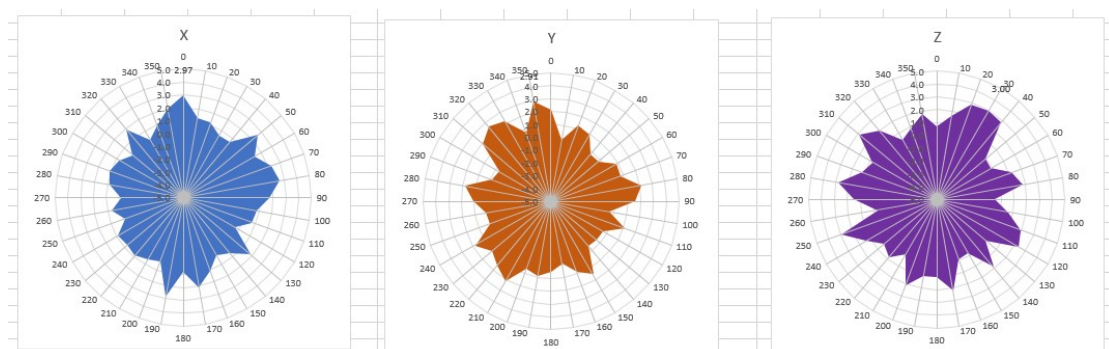
5240 MHz



5,745 MHz



5,785 MHz



5825 MHz

