Dongguan Junhe Wireless Technology Co., Ltd
Room 501, No. 33 Xiangguisi Road, Tangxia Town,
Dongguan City, Guangdong Province

SPECIFICATION FOR APPROVAL

CUSTOMER _____

DESCRIPTION 5.8G PCB Antenna

SPECIFICATION _____

Customer part number _____

Approval Date 2023.3.21

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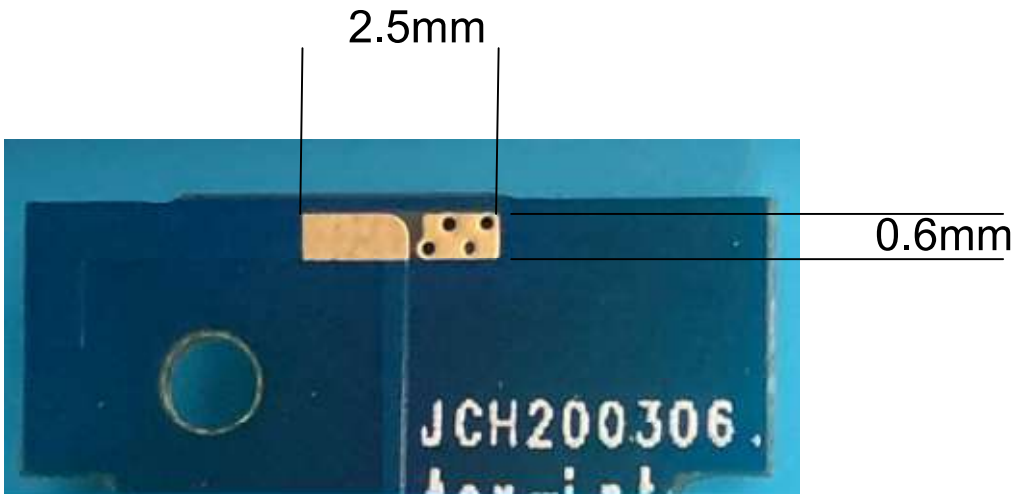
1、 Product physical image



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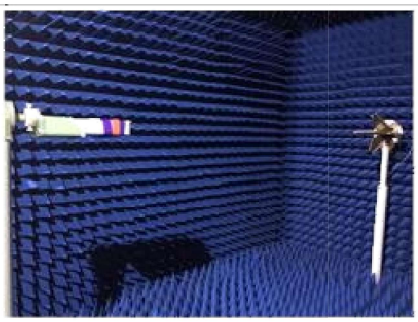
2、 Test items and equipment

	Item	
1. S11 参数 （S-parameter）	1. 回波损耗 （Return Loss） 2. 电压驻波比（VSWR）	Agilent E5071B HP 8753D
2. 有源测试 （Active ）	1. 发射功率 （TRP） 2. 接收灵敏度（TIS）	1ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Agilent 8960 E5515B ×2 StarPoint SP6011
3.无源测试 （Passive）	1.天线增益 （Gain） 2.天线效率 （Efficiency）	1. ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Agilent E5071B HP 8753D





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Maintechnicalspecifications	
Frequency Range (MHz)	5825/5850
VSWR	≤2.0
Gain (dBi)	1.17
Input Impedance (Ω)	50
PoIarization Type	Line polarization
AntennaLength (mm)	20mm
Working Temperature	-40℃-+85℃
Limit Temperature	-30℃-+85℃

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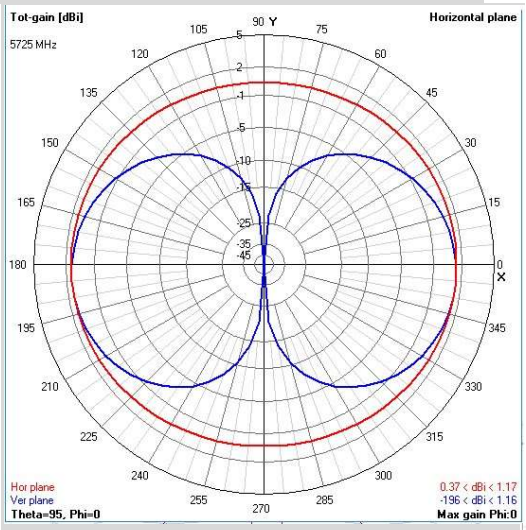
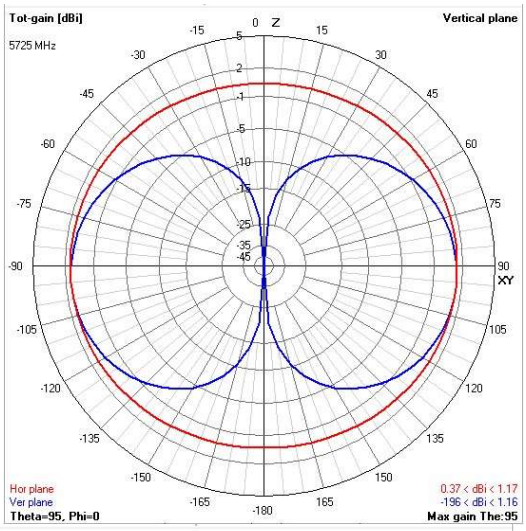
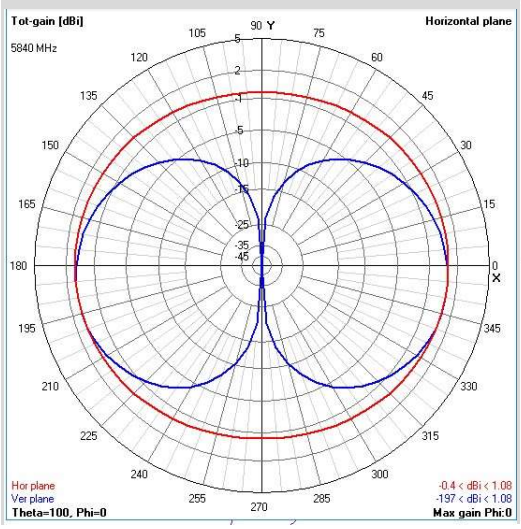
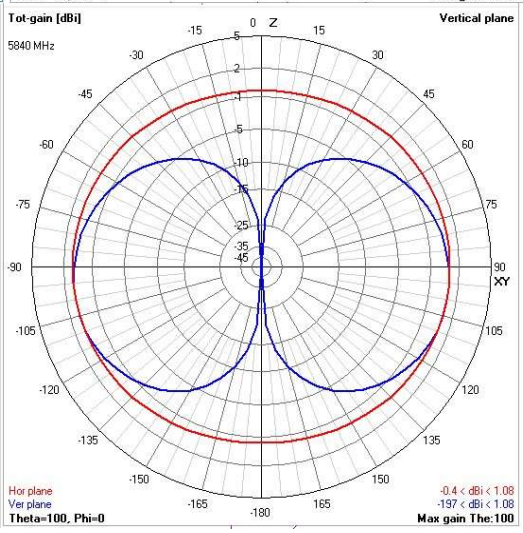
5725Mhz - 5850Mhz : < 1.17 dBi









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Environment performance test

Project	Test condition	Test results
Storage environment	Test temperature, humidity, pressure without stated condition as follwings:1.Temperature: -30 ℃ ～ +80 ℃ ;2.Relative humidity: 45%-85%;3,Pressure: 86kpa-106kpa	Electrical and mechanical performance normal
High and low temperature test	Having 5 times cycle between -40℃ to 70℃,Then in common condition 1-2 hours test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Resistance constant hot and humid test	Relative humidity:95±3%,Test temperature: 40℃,last 2 hours ,put it after 5 min test the electrical function .Test products during common condition 1-2 hours ,Then test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Vibration test	Vibrate Frequency:10-55HZ; Distance :0.35mm;Acceleration :50.0m/s;Sweep frequency cycle:30 times	Electrical and mechanical performance normal
Fall test	From 1m height fall down 3 times freely (vertical direction)	Electrical and mechanical performance normal