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E- mail: wht0809@163. com

# acknowledgement

Foscombe			
	dBi 2.0 (White) SMA		
YD-C01-0015			
303305000081			
2024. 10. 28			
Genting is signed in a sample			
QA NT OCDEPARTMENT	vocational work SALES DEPARTMENT		
Q C DEL ARTHEM	SALES DEL ARTHERT		
The customer acknowledges the signature			
QA NT Q C DEPARTMENT	purchase PURCHASING DEPARTMENT		
	ernal antenna KH 610-1 2 der L=106mm nonbend  YD-C01-0015  303305000081  2024.10.28  Genting is signed QA ENT QCDEPARTMENT  The customer acknowledge		

Contact number: 0755-23073599

- $\ensuremath{\mathtt{x}}$  The admission is in triplicate, and Hui company admits the signature
- ж Approval induplicate, please signed by yourcompany.

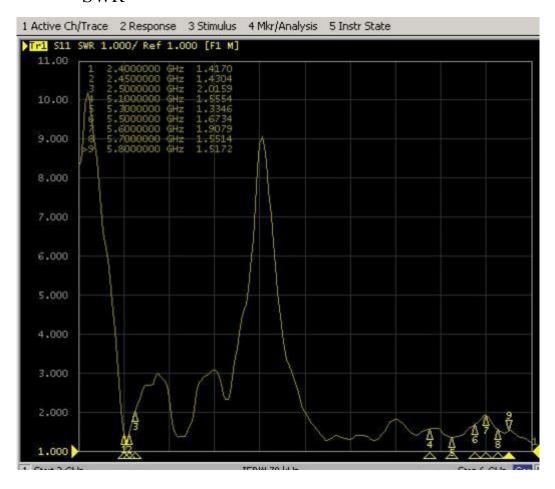
Address: 3015, Jinzhi Center, Aviation Road, Baoan District,

Shenzhen

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#### 1. Antenna performance:

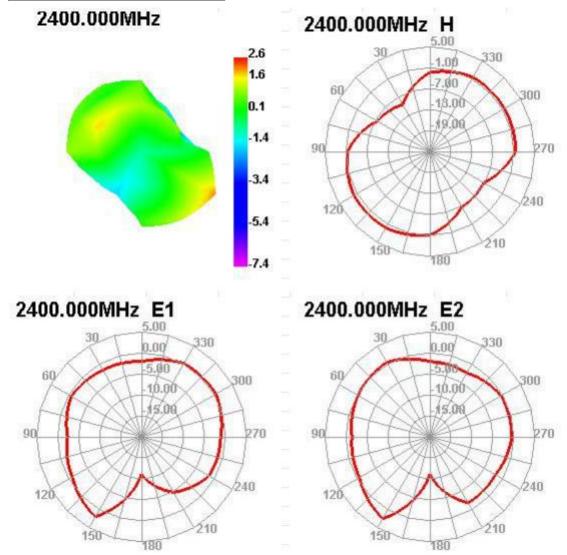
**SWR** 



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#### 2. Antenna efficiency and gain

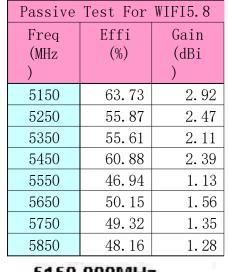
Passive	Test For	WIFI2. 4
Freq	Effi	Gain
(MHz	(%)	(dBi
)		)
2400	80.62	2.61
2410	78.51	2.42
2420	72.72	2
2430	72.41	2.05
2440	75. 43	2. 34
2450	79. 14	2. 79
2460	77. 32	2.86
2470	79	3. 1
2480	78.9	3. 16
2490	81.48	3. 19
2500	79. 22	3. 07

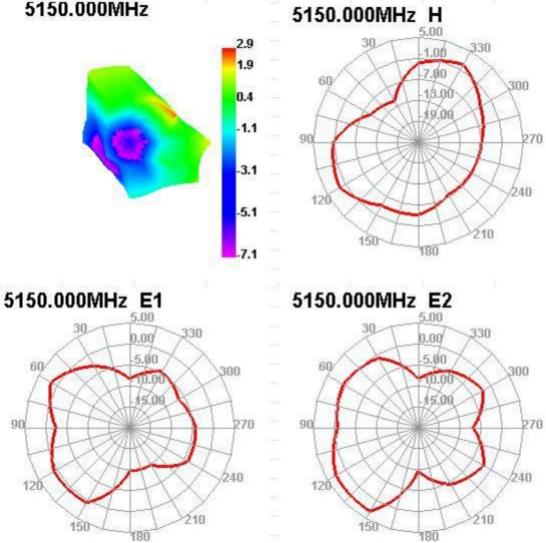


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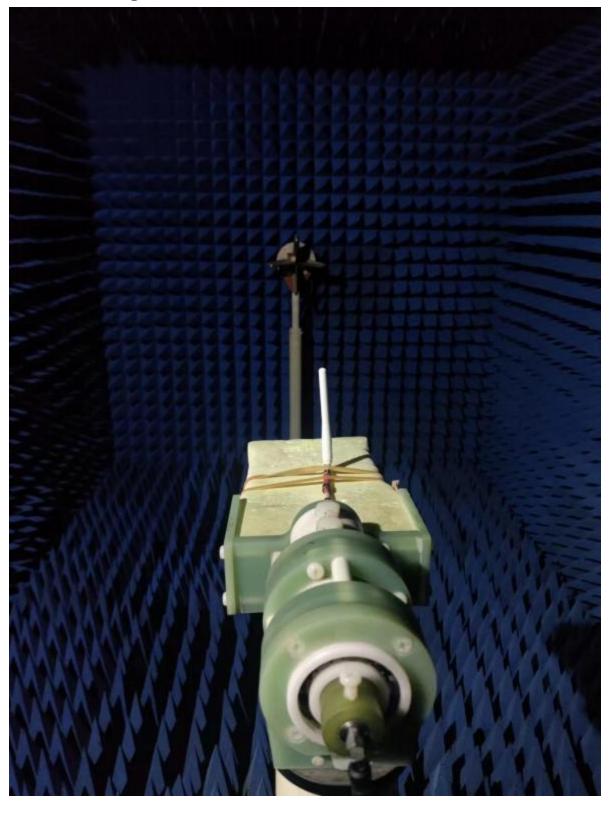
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#### 3. Dark room test pictures

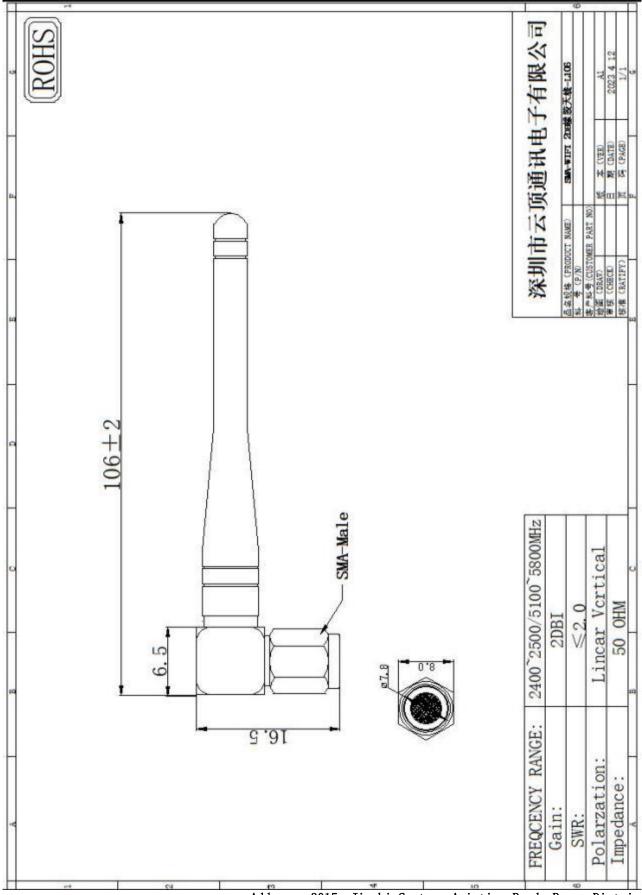


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#### 4. Antenna structure diagram:



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#### Electrical technical parameters

Elec	trical performance index	Electrical	Specifications
frequency range	2400~2500/5100~5800 MHz	Frequency Range	2400~2500/5100~5800 MHz
voltage standing- wave ratio	≤2.0	VSWR	≤2.0
gain	2 DBI	Gain	2 DBI
input impedence	50 Ω	Input Impedance	50 Ω
Maximum input power	50W	MaximumInput Power	50W
Med	chanical indicators	Mechanical	Specifications
Antenna color	white	Antenna Color	White
Interface form	SMA	Input connector	SMA
Antenna length	106MM	Antenna length	106MM
working temperature	-40°C~+85°C	Working Temperature	-40°C ~+85°C
Working humidity	20 <sup>~</sup> 80%	Working Humidity	20 <sup>~</sup> 80%

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### Environmental Performance Test (Environment performance test):

project	test condition	test result
Storage environment	Test temperature, humidity, air pressure without specified:  1. The temperature is-30°C ~ + 80°C  2. Relative humidity is 45% -85%  3. Air pressure is 86 kpa-106 kpa	Electrical and mechanical properties are normal
thermocycling	Five cycles were performed between $70^\circ\!$	Dimensions shall meet the requirements and shall be satisfied In the mechanical and electrical performance
Resistanc e to consta nt damp and heat test	Relative humidity: 95 $\pm$ 3%, test temperature: 40°C. After a sustained 2H action, The electrical performance is measured within 5 min after the removal, and the test article is in the normal strip  Part under 1-2H, to check the appearance quality	Dimensions shall meet the requirements and shall be satisfied In the mechanical and electrical performance
vibration test	Vibration frequency range: 10-55 HZ, displacement amplitude: 0.35 MM, acceleration amplitude: 50.0M/S, Scan cycle times: 30 times	Electrical and mechanical properties are normal
fall-down test	1M falls 3 times in the axis direction vertical to each other	Electrical and mechanical properties are normal

Project	Test condition	Test results
Storage environment	Testtemperature, humidity, pressure without stated condition as follwings:1. Temperature:-30 °C ~+80°C ;2. Relative humidity:45%-85%;3, Pressure:86 kpa-106 kpa	Electrical and mechanical performance normal
High and low temperature test	Having 5 times cycle between -40℃ to 70℃, Then in common condition1-2 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 after5 min test the electrical function. Test products during common condition1-2 hours, Then test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Vibration test	Vibrate Frequency:10-55 HZ; Distance:0.35 mm; Acceleration:50.0m/s; Sweep frequency	Electrical and mechanical
	cycle:30 times	performance normal
		Electrical and
Fall test	From 1 m height fall down3 times freely (vertical direction)	mechanical performance normal

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