

5G WiFi ANT Specification

P/N(Part Number): 5G-wifi-240mm-4.4mm

Manufacturer Company: Dongguan Hanyi Electronics Co., Ltd

Manufacturer's address: No. 25, Puxin Lake Center 2nd Road,
Tangxia Town, Dongguan City

Ex-factory seal:

Editor	Check	Approver

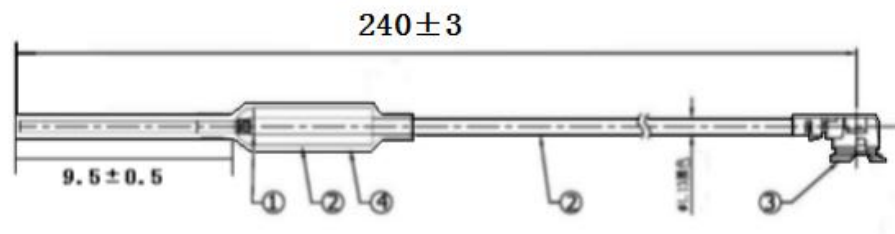
Customer:

Detection	Check	Approver

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3、Product Picture

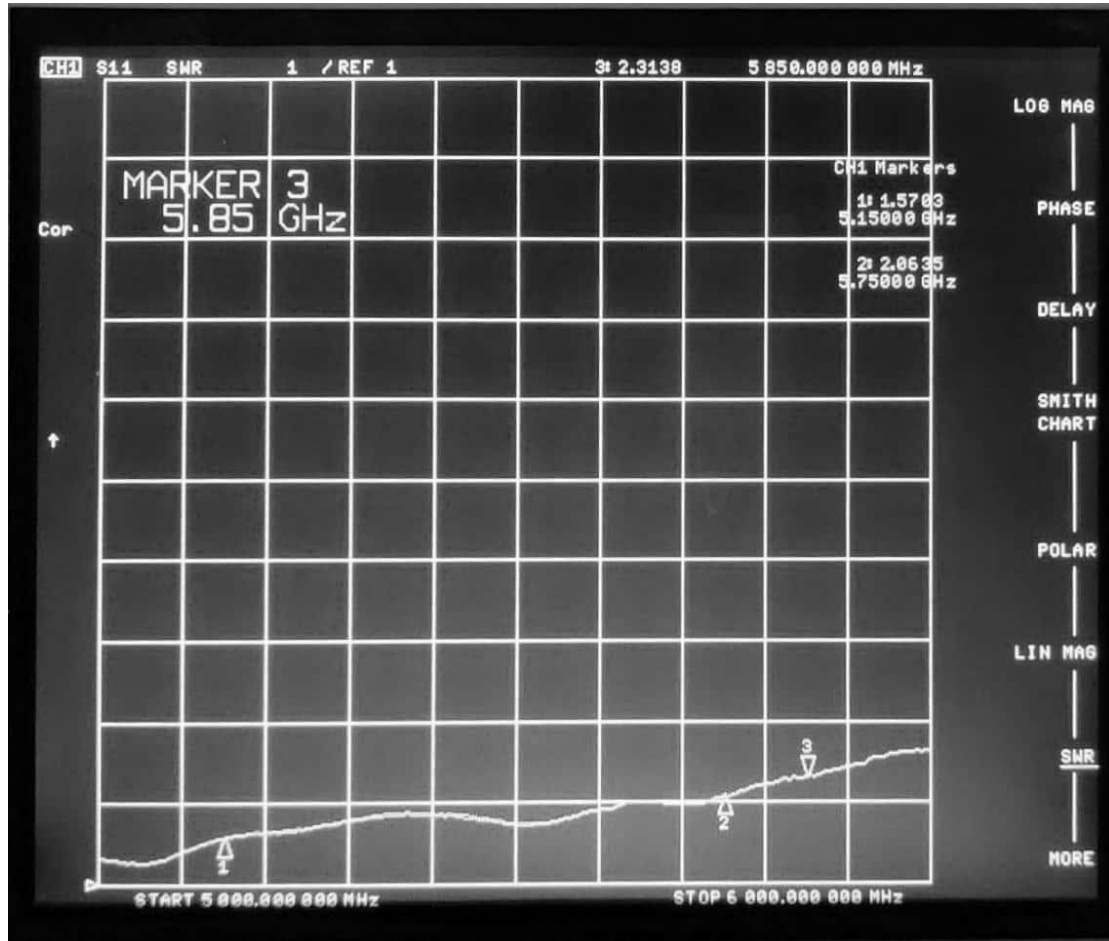


4、Specification

Parameter	
Frequency	5100–5800MHz
Impedance	50Ω
VSWR	≤ 2.5
Connector	First generation terminal
Mechanical Parameter	
Length	240 ± 3 mm
Cable	/
Salt Spray Test	24H
Environment Parameter	
Operation Temperature	$-20^{\circ}\text{C} \sim 65^{\circ}\text{C}$
Storage Temperature	$-30^{\circ}\text{C} \sim 75^{\circ}\text{C}$

5、Radiation Report

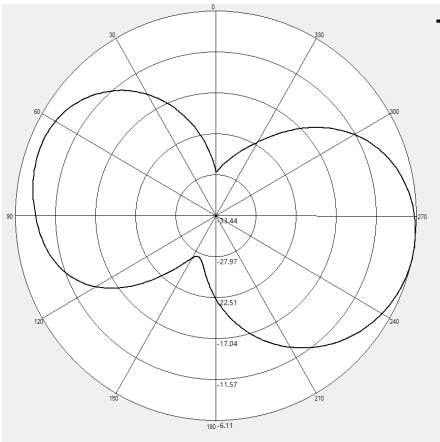
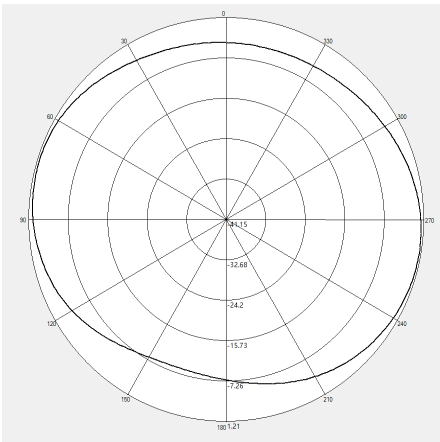
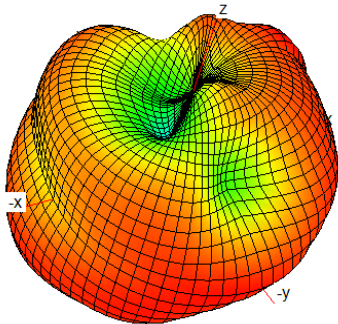
5.1 STATIONARY WAVE PATTERN



5.2 directional diagram

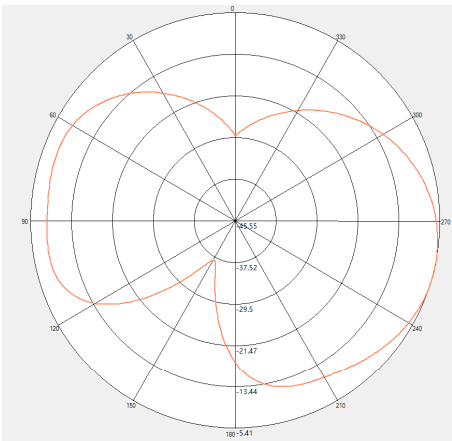
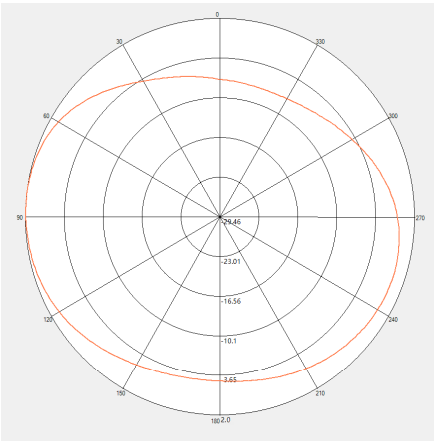
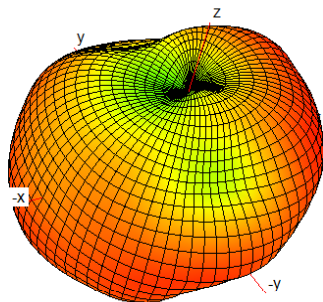
5100MHz

Gain: 1.18dBi



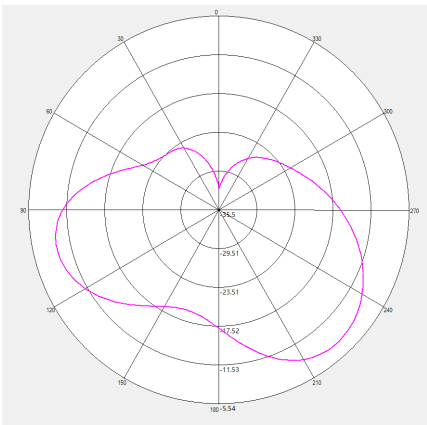
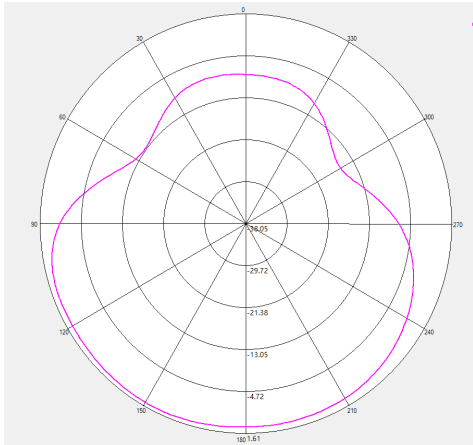
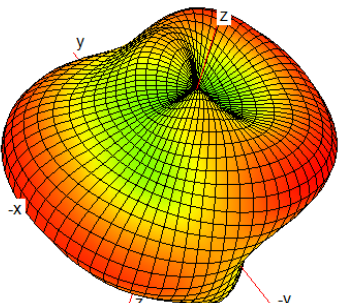
5260MHz

Gain: 2.0dBi



5800MHz

Gain: 1.58dBi



Reliability Report

6. 1. Constant Temperature and Humidity Test

Project	Constant Temperature and Humidity Test)	Check ID		
Product Name	WiFi ANT	quantity:5PCS		
Date Of Test: 2021-05-24	Date of Complete: 2022-12-07			
Equipment For Test 1.Programmable Constant Temperature And Humidity Test Box 2.8753ES Network Analyser				
Condition For Test 1.Under room temperature,65% humidity 2.Under 80° ,85%~90% humidity ,2 hour per circulation, total 24 hours				
Test Result				
Standard 1、Shedding-free, Non-cracking, No separation on the surface of metal ;Non-fading, Non-cracking, Non-deforming on the surface of nonmetal 2、Test result meet the technical requirements				
Project	Before Test	After Test	Problem	Result
Appearance	shedding-free, Non-cracking, No separation	Non-fading, Non-cracking, Non-deforming	Void	Pass
performance	VSWR Pass	VSWR Pass	Void	Pass
Result: ☒ PASS ☐ FAIL ☐ Unable to judge				
TEST: Jie LIU Check: Fei LI Approver: Yunchun. ZHANG				

6. 2. Salt Spray Test

Project	Salt Spray Test	Test ID
Project Name	WiFi ANT	Quantity: 5PCS
Date of test: 2021-05-24		Date of complete: 2022-12-07
Test equipment 1.HL-60-SS Salt Spray Test Tester		
Test Condition 1. $35\pm 2^{\circ}\text{C}$ in the salt spray test box; $22\sim 30^{\circ}\text{C}$ in the laboratory 2.PH=6.5/7.2, the concentration of the sodium chloride decade to $50\pm 10\text{g/L}$ after 24 hours on per 80 square centimeter		
Result: Pass		
Number	Result	Problem
1	Pass	Void
2	Pass	Void
3	Pass	Void
4	Pass	Void
5	Pass	Void
Result: ☒ PASS ☐ FAIL ☐ Unable to judge		
TEST: Jie LIU Check: Fei LI Approver: Yunchun. ZHANG		