

APPROVAL SHEET

CUSTOMER NAME		
CUSTOMER P/N		
PART NAME	2.4G antenna	
P/ N	YJC-60302-B48	
APPROVAL REV.	A0	
DELIVERY DATE	December 20, 2023	
PREPARED BY	Yin Feijie	
CHECKED BY	Fang Wenfeng	
APPROVED BY	Chauhan	
Customer Approved		
Prepared By	Checked By	Approved By

Address: Building C, Hongyu Guangming Valley, No. 11, Youma Gang Road, Ma Tian Street, Guangming District, Shenzhen

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resume:

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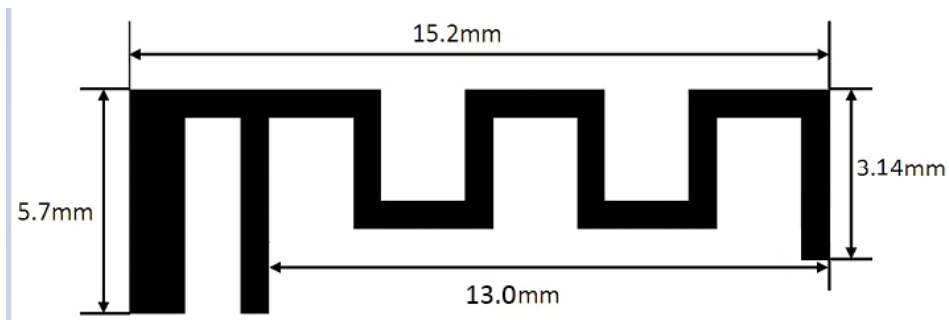
Antenna technical parameters and environmental testing:

Electrical technical parameter			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500MHz	Antenna Color	BLACK
VSWR	<2.5	Input connector	SMA
Input Impedance	50 Ω	Working Temperature	-20℃~+70℃
Direction	All	Working Humidity	20%~80%
Gain	2.89dBi		

Environmental performance test:

Project	Test condition	Standard
Storage Conditions	In the absence of specified test temperature, humidity, air pressure is as follows:: 1. Temperature is - 30 ℃ ~ + 80 ℃ 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical performace is normal
High and low temperature test	Between 70 ℃ and -20 ℃ for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and meet the performance of mechnery and electric.
Constant damp and hot resistance test	95 + / - 3% relative humidity, temperature test: 40 ℃. Lasts 2 h after, try to take out the determination of electrical properties, within 5 min after try 1-2 h under article normal thing, check the appearance quality	Size should meet the requirements and meet the performance of mechnery and electric.
vibration test	10-55 hz, vibration frequency range of displacement amplitude: 0.35 MM, acceleration amplitude: 50.0 M/S, sweep cycles: 30 times	Electrical and mechanical performace is normal
Fall down test	1 m high altitude in accordance with the perpendicular axis free drop 3 times	Electrical and mechanical performace is normal

Antenna diagram:



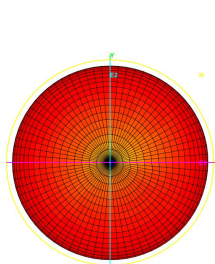
Antenna performance test diagram:



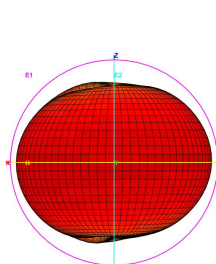
2D and 3D test data (2.4G):

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	84.92	2.21
2410MHz	86.70	2.30
2420MHz	87.70	2.49
2430MHz	89.54	2.59
2440MHz	87.90	2.60
2450MHz	87.30	2.68
2460MHz	87.70	2.77
2470MHz	87.10	2.89
2480MHz	84.92	2.83
2490MHz	86.50	2.81
2500MHz	84.14	2.64

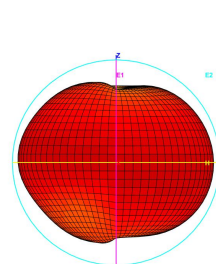
Total_3D_H_2.4GHz



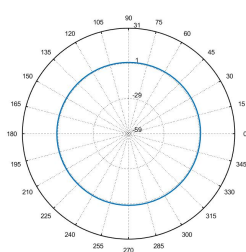
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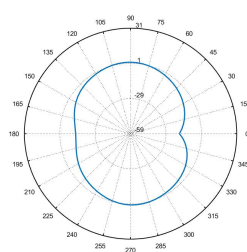
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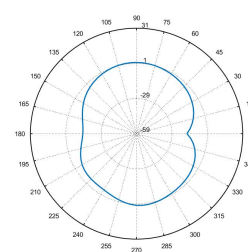
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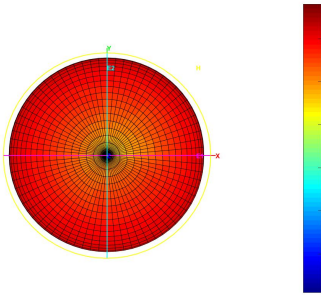
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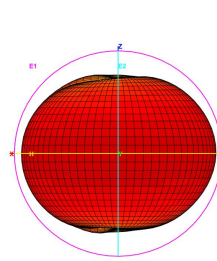
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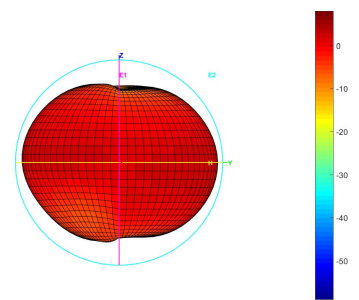
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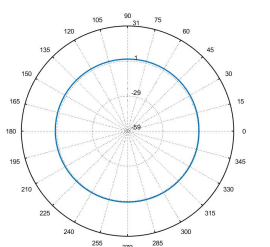
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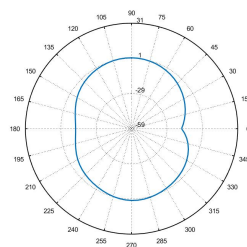
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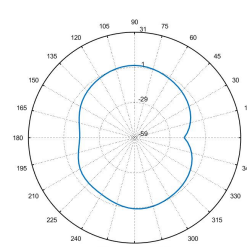
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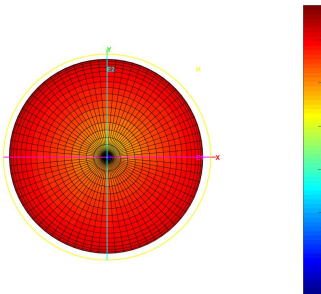
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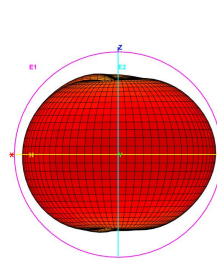
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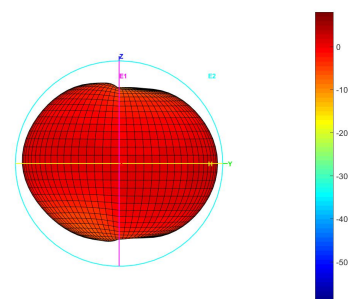
Total_3D_H_2.5GHz



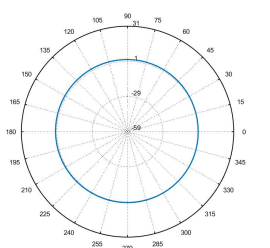
Total_3D_E1_2.5GHz



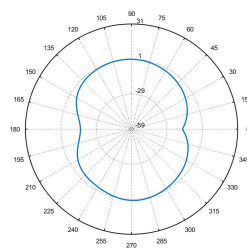
Total_3D_E2_2.5GHz



Total_Polar_H_2.5GHz



Total_Polar_E1_2.5GHz



Total_Polar_E2_2.5GHz

