



Shenzhen Yingjiachuang Electronic Technology Co., Ltd.

<http://www.szsyjc.com>

APPROVAL SHEET

承认书

CUSTOMER NAME	Shenzhen Jinshun Intelligent Co., Ltd.	
CUSTOMER P/N		
PART NAME	2.4G/5G Black Detachable Antenna	
P/ N P/ N	YJC-60501-B120	
APPROVAL REV.	A0	
DELIVERY DATE	January 7, 2026	
PREPARED BY	Yin Feijie	
CHECKED BY		
APPROVED BY	Xiao Han	
Customer Approved		
Prepared By	Checked By	Approved By

Head Office: Building C, Hongyu Guangming Valley, No. 11 Youmagang Road, Matian Subdistrict, Guangming District, Shenzhen

Dongguan Branch: Yingjiachuang Industrial Park, No. 2 Yinhe 3rd Road, Shishuikou, Qiaotou Town, Dongguan

Hangzhou Office: Room 509, Building 1, Binrun Science and Technology Park, No. 5 Zhiren Street, Puyan Subdistrict, Binjiang District, Hangzhou

Mianyang Office: Room 4F-34, Wanxiang Hi-Tech International, No. 35 Mianxing East Road, High-Tech Zone, Mianyang, Sichuan

Tel: 0755-27810060

Fax: 0755-27810057

Website <http://www.szsyjc.com>



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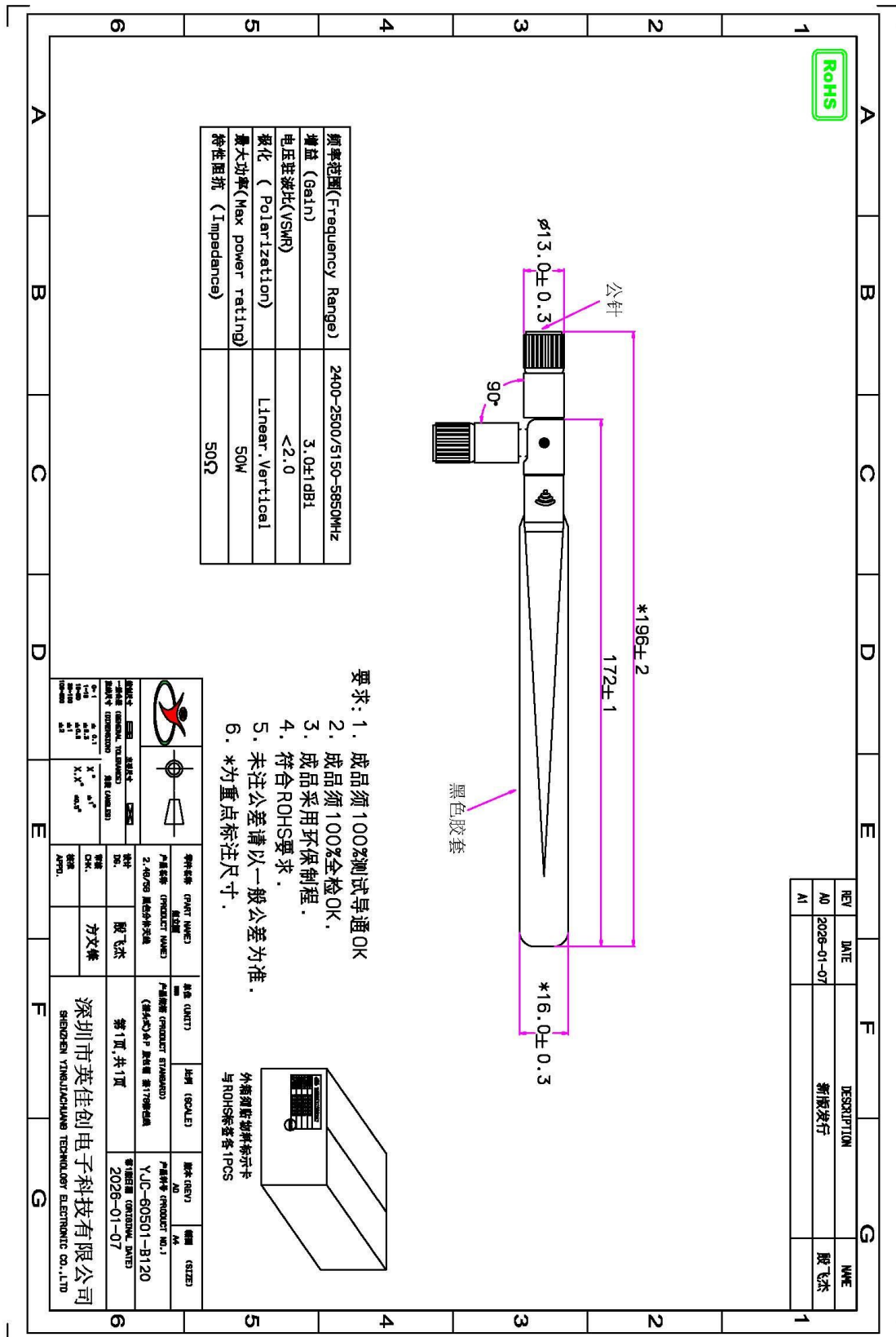


Revision History:

Revision	Change Description and Reason	Date	Issue
A/0	Initial Release	202 - 0 - 0	



Antenna Drawing:





Antenna Technical Specifications and Environmental Tests:

Electrical Specifications			
Electrical Performance		Electrical Specifications	
Frequency Range	2400-2500/5150-5850MHz	Frequency Range	2400-2500/5150-5850MHz
VSWR	<2.0	VSWR	<2.0
Input Impedance	50 Ω	Input Impedance	50 Ω
Direction	Omnidirectional	Direction	All
Gain	3.0±1dBi	Gain	3.0±1dBi
Mechanical Specifications		Mechanical Specifications	
Antenna Color	Black	Antenna Color	Black
Connector Type	SMA	Input connector	SMA
Antenna Length	196mm	Antenna length	196mm
Operating Temperature	-20℃~+70℃	Working Temperature	-20℃~+70℃
Operating Humidity	20%~80%	Working Humidity	20%~80%

Environmental Performance Tests:

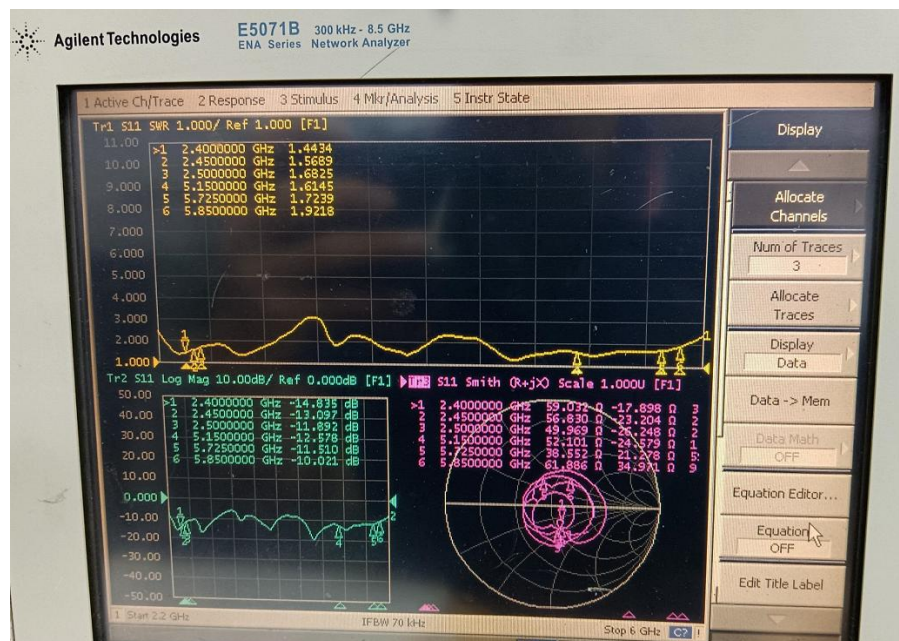
Item	Test Conditions	Specification
Storage Environment	Unless otherwise specified, the test temperature, humidity and air pressure are as follows: 1. -20??+70? 2. 45%-85% 3. 86kpa-106kpa	
High/Low Temperature Test	Cycle 5 times between 70 C and -20 C, then keep under normal conditions 1-2H??	?
Heat Test	Relative humidity 95+/-3%, test temperature 40 C. After 2 h, 5min? 1-2H?	?
Vibration Test	Frequency range 10-55 Hz, displacement amplitude 0.35 mm, acceleration amplitude: 50.0M/S??30	
Drop Test	Free-fall 3 times from 1 m along mutually perpendicular axes	



Antenna Photograph:



Antenna Performance Test Plot:

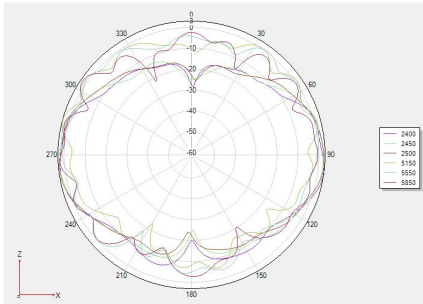


2D.3D Test Data 2.4G/5G):

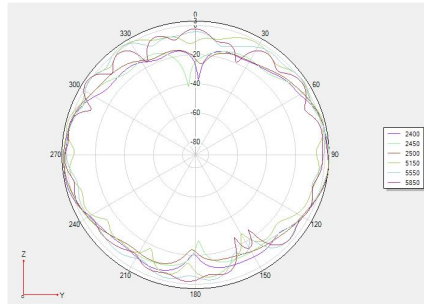
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	60.8	2.95
2410MHz	57.42	2.87
2420MHz	60.53	2.97
2430MHz	61.81	3.17
2440MHz	62.42	3.21
2450MHz	62.66	3.17
2460MHz	61.86	3.34
2470MHz	60.39	3.13
2480MHz	62.77	3.15
2490MHz	58.84	2.93
2500MHz	60.66	2.96
5150MHz	57.32	3.2
5250MHz	57.1	3.17
5350MHz	56.23	3.16
5450MHz	58.42	3.02
5550MHz	56.88	3.07
5650MHz	52.9	2.77
5750MHz	54.75	2.81
5850MHz	55.17	2.92



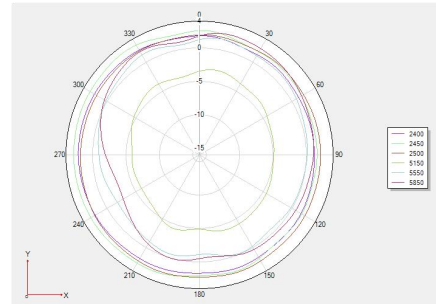
Phi 0 2DPlot



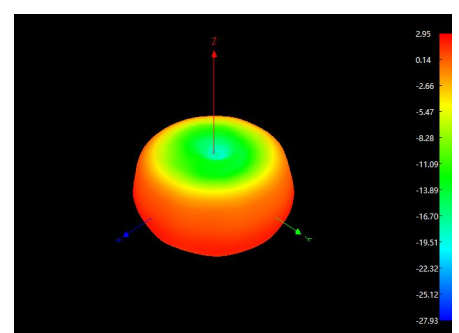
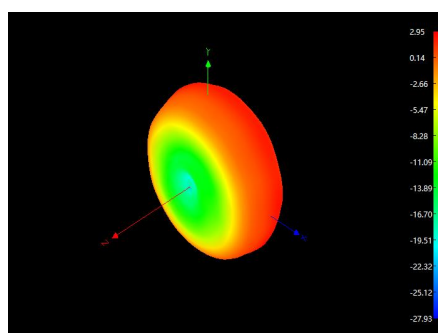
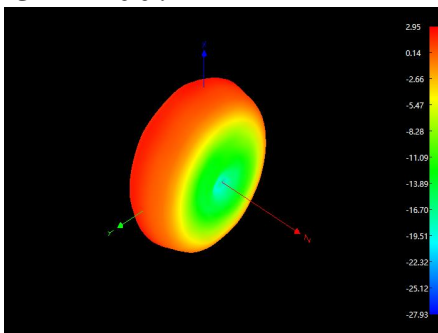
Phi 90 2DPlot



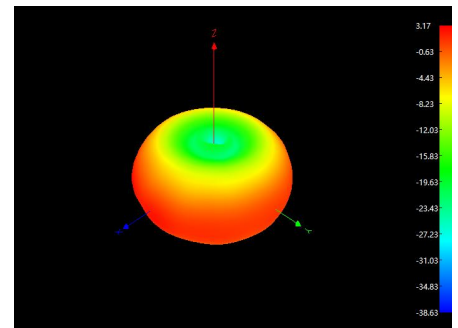
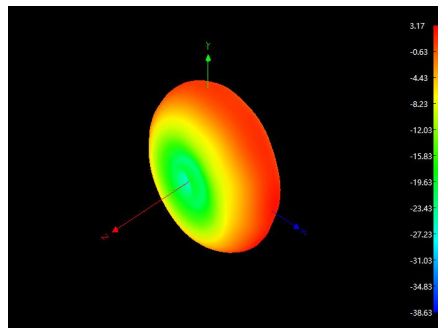
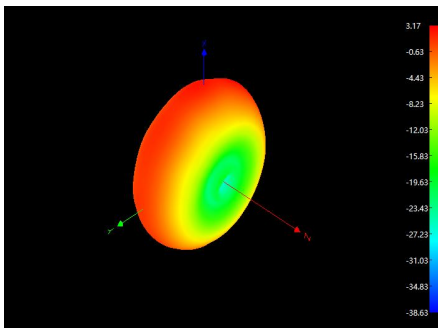
Theta 90 2DPlot



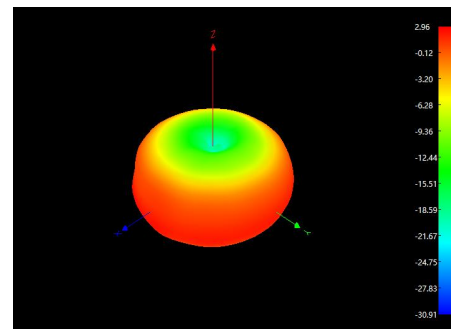
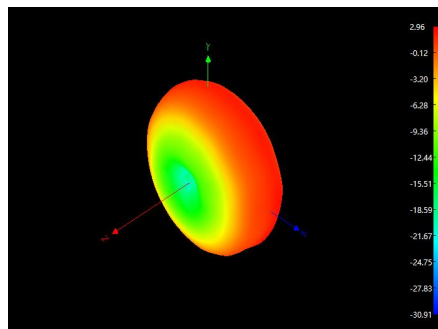
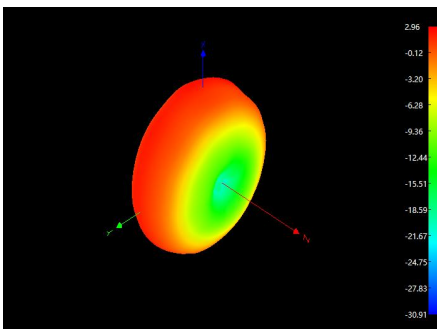
3D 2400:



3D 2450:

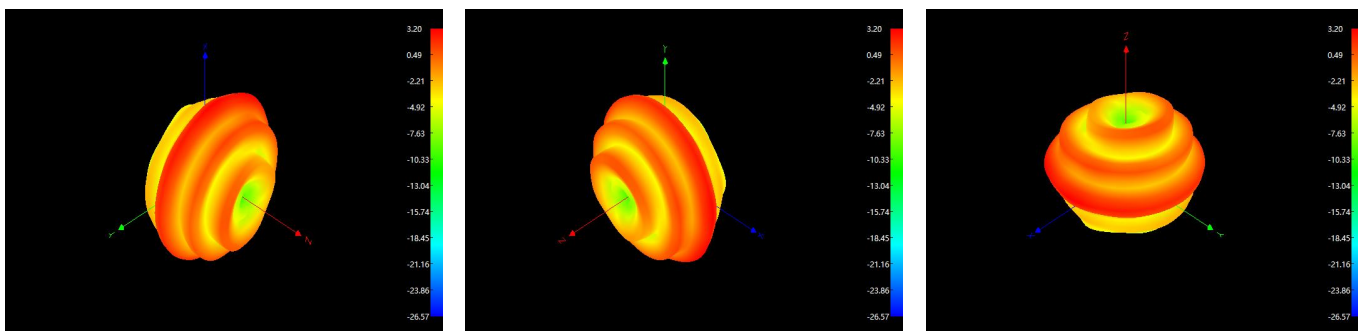


3D 2500:

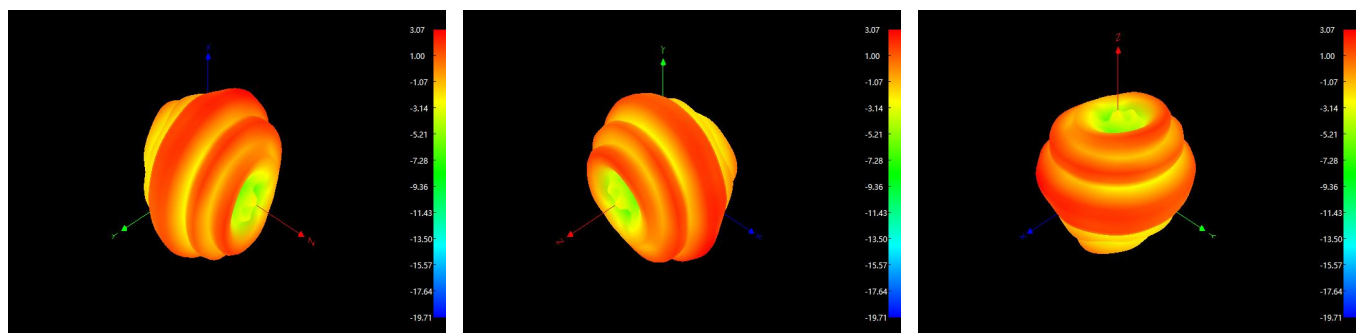




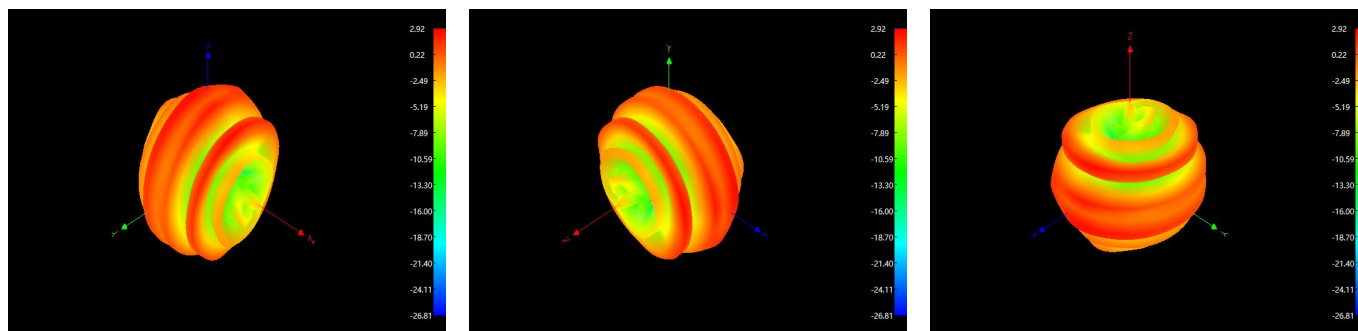
3D 5150:



3D 5550:



3D 5850:





Material RoHS Compliance Declaration

This is to certify that the raw materials used in the components and auxiliary materials delivered to your company, and additives used in production, comply with environmental requirements of the Restriction of Hazardous Substances Directive (2011/65/EC)

The composition report for raw materials, packaging materials, and additives used in components, auxiliary materials and production is as follows:

Component / Part Name	Material Composition	IC Report No. ICP report #	Test Organization Test Org.	Test Date	Hazardous Substance Content (ppm)						PASS ? PASS?
					Cd	Pb	Hg	Cr ⁶⁺	PBB	PBDE	PASS
PCB	PCB	CANPC25021701016	SGS	25/09/11	ND	14	ND	ND	ND	ND	PASS
Wire	Coaxial Cable	CANEC25018034402	SGS	25/07/30	ND	ND	ND	ND	ND	ND	PASS
Plastic Parts	ABS	A2250053068102001C	CTI	25/01/26	ND	ND	ND	ND	ND	ND	PASS
	PC +PBT	A2250006875128001	CTI	25/02/25	ND	ND	ND	ND	ND	ND	PASS
	PC	SZXPC25000043101	SGS	25/01/10	ND	ND	ND	ND	ND	ND	PASS
Lead-free Solder Wire	Lead-free Solder Wire	SZXPC25000282511	SGS	25/02/27	ND	71	ND	ND	ND	ND	PASS
SMA	Insulator	TAOEC25007265701	SGS	25/08/06	ND	ND	ND	ND	ND	ND	PASS
	Brass	CANEC25004281302	SGS	25/03/12	42	34252	ND	ND	ND	ND	PASS
	Gold Plating	SZXPC25001098202	SGS	25/04/10	ND	92	ND	ND	ND	ND	PASS
	Nickel Plating	SZXPC25001098206-1	SGS	25/04/10	ND	91	ND	ND	ND	ND	PASS
EVA	3M9448A	CANEC24028865442	SGS	25/01/03	ND	14	ND	ND	ND	ND	PASS