



Specification admission Specification For Approval

customer name: _____

Customer

Specification Description: RP-SMA header master hole-2.4G bent rubber rod antenna-antenna height 195mm (inner copper tube)

Part name

BJL P / N: BJL -JK2405-195-SJP

Part No

Customer No. : _____

Customer Part No

Customer confirmed that the Customer confirmation		
Confirm that the Confirmation	verify check	Approval of the Approver

The manufacturer recognizes the Manufacturer recognition			
Sales Representative Sales	To itting the Drafters	Verify that the chec k	Approval of the Approver

Thank you for the opportunity to admit our samples. If Simon admits to pass, please sign this form back to our company.

Thank you for giving us the chance to approve samples .If you agree to pass it, please kindly send it back to us .

Shenzhen Baijinlian Wireless Technology Co., LTD

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<http://www.bjlwireless.com>



catalogue
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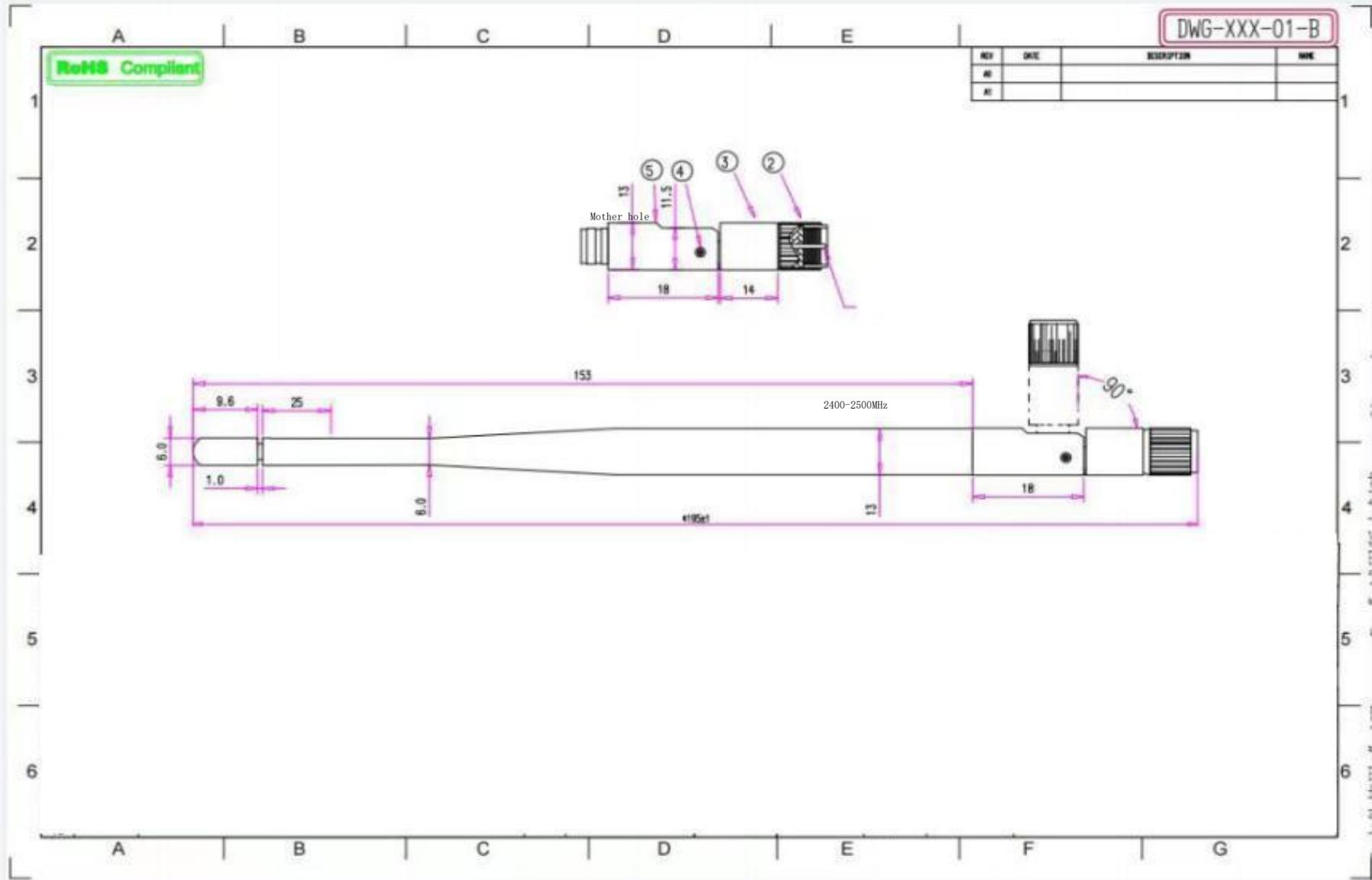
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amendant record

edition	date	engineer	revise content
A 0	2024.05.30	Zhou Xihua	new-built

1. Product size diagram





2. Product appearance

External size	Φ8*195	fixed form	Spiral fixation
weight	≤12g.5	Connector model	RP-SMA
Shell color	black	cable	/

3. Antenna performance parameters

project	characteristic	unit
frequency range	2400-2500	M Hz
output impedance	50	Ω
standing-wave ratio	Contrast the waveform	- -
gain	≥5	dBi
Polarization mode	vertical polarization	
radiation direction	omnidirectional	
Maximum input power	5	W
working temperature	-40~+75	°C
storage temperature	-40~+75	°C

4. Electricity and gas performance

order number	surveillance project	qualification	remarks
1	characteristic impedance	50 Ω	
2	temperature range	-55~+155°C	
3	frequency range	0~3GHZ	
4	Medium pressure resistance	1000V (rms)	
5	contact resistance	Internal conductor of 3m Ω External conductor of 2m Ω	
6	insulation resistance	≥5000M Ω	
7	voltage standing-wave ratio	1.25 (flexible cable)	



5. Environmental experiments

Environmental test report

5.1 High and low temperature constant humidity test

P / N		Product name	specification
test item	High temperature, low temperature, constant humidity test		
detection device	Constant temperature and humidity test box	Test the number	
acceptance standard	1. The metal surface coating shall not fall off, crack and wrinkle; no discoloration, crack, deformation or glue in non-metallic parts.		
Test name	test item	ask	experimental method
hot test	temperature (°C) Test Sample Temperature Time (h) Test Duration (h) Recovery Time (h)	75±3 1 2 1	test procedure: A) Put the test parts into the test box, and then adjust the temperature of the high temperature box to 75°C±3°C to monitor the time. B) At room temperature for 1 hour after the test for routine inspection.
cold test	temperature (°C) Test Sample Temperature Time (h) Test Duration (h) Recovery Time (h)	-40±3 1 2 1	test procedure: A) Put the test piece into the test box, and then adjust the cold box temperature to -40°C±3°C to monitor the time. B) After the test, it was placed at room temperature for 1 hour for routine inspection.
Constant heat and humidity trial	temperature (°C) Relative humidity of (%) Duration of the test (h) Recovery time (h)	+40±3 90-95 21 1	A) Put the test parts into the test box, and then adjust the test box temperature to +40°C±3°C, the humidity is 90-95%, monitoring time. B) After the test, it was placed at room temperature for 1 hour for routine inspection.
Inspector: Lu Xiaojun	Review: Wang Hongkun	Approval: Xiao Tianfang	

5.2 Free drop test

P / N		Product name	
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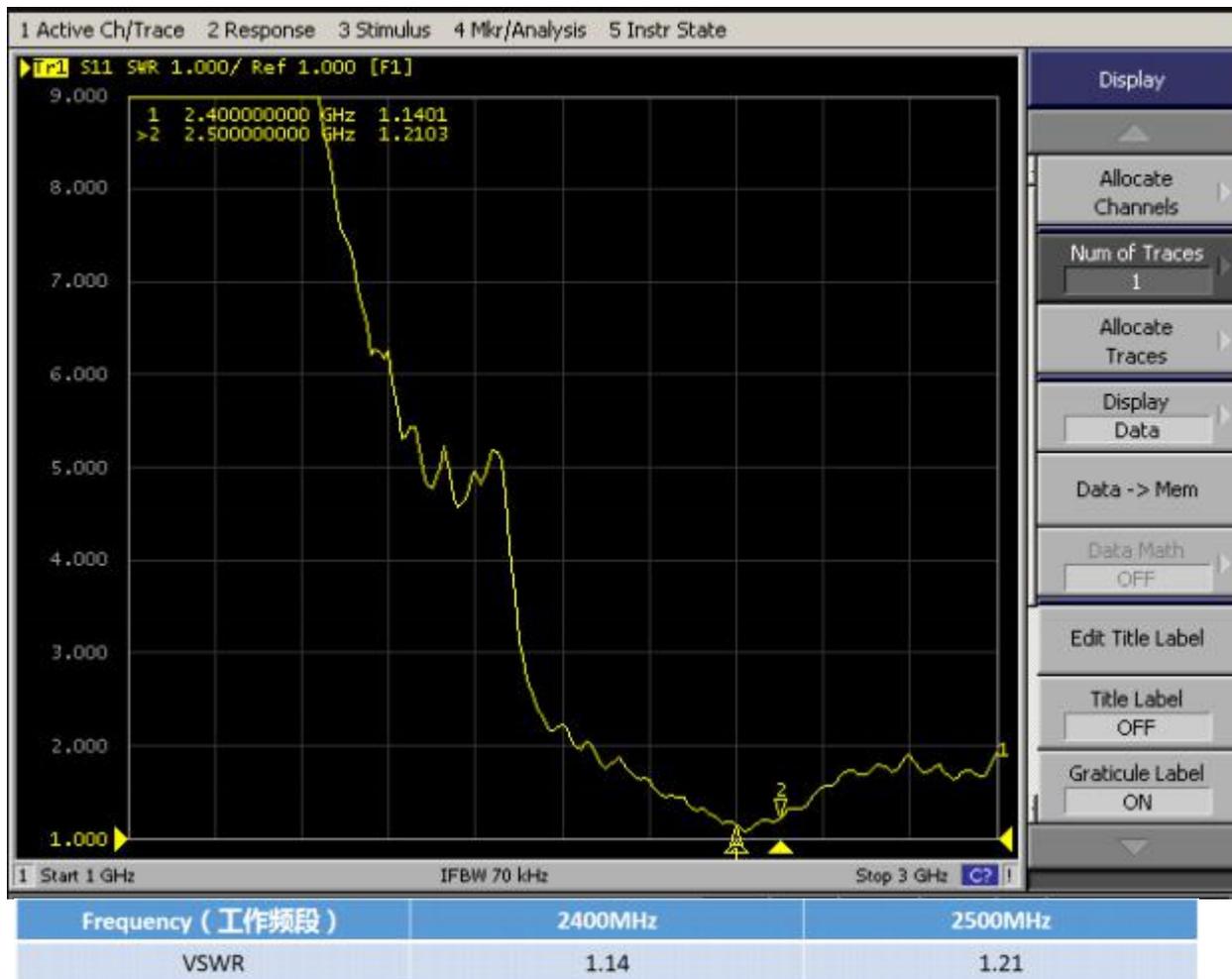
		specification	
test item	Free-drop test		
detection device	A 1-meter-high desktop	Test the number	
acceptance standard	1. Falling at 1 meter high, the product does not fall off, cracks, and other bad, no deformation and other phenomena.		
Test name	test item	ask	experimental method
			The result is determined
Free-drop test	Drop height of 1000mm	Ffalls two times	test procedure: A) The tested will is dropped at 1000mm and routinely inspected after test.
			qualified
Inspector: Lu Xiaojun	Review: Wang Hongkun	Approval: Xiao Tianfang	

5.3 Salt spray test

P / N		Product name	
		specificatio n	
test item	salt spray test		
detection device	Salt mist test machine	Test the number	
acceptance standard	1. No metal coating; no rust, corrosion, oxidation and other appearance.		

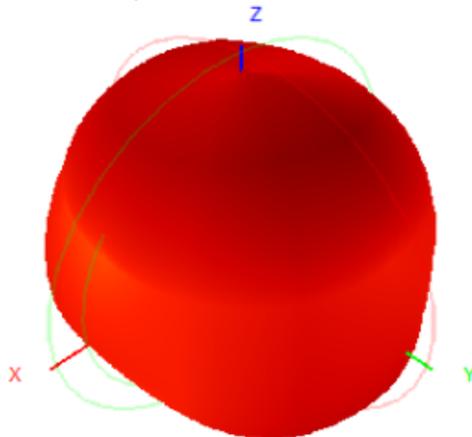
Test name	test item	ask	experimental method	The result is determined
salt spray test	1. NaCl concentration: 2. Air pressure: 3. PH value: 4. Spray amount: 5. Saline test temperature set a. Laboratory temperature: b. Pressure barrel temperature: 6. Test time:	40-60g /1kg $1.0 \pm 0.01 \text{kgf m}^2$ 6 1.0- 2.0ml /80c /h。 .5-7.2 $35 \pm 1^\circ\text{C}$ $47 \pm 1^\circ\text{C}$ 24H	test procedure: A) Adjust the salt mist tester to the relevant test conditions. Bin) Place the test piece into the salt spray tester for 24 hours. After the test, rinse with clean water, visually inspect the appearance of the tested pieces, and conduct routine inspection.	qualified
Inspector: Lu Xiaojun Review: Wang Hongkun Approval: Xiao Tianfang				

6. Test of the antenna performance

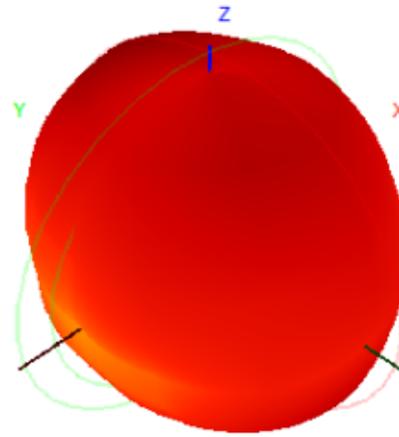


Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	5.55	73.50%
2410	5.57	73.30%
2420	5.5	73.80%
2430	5.35	70.70%
2440	5.12	67.10%
2450	4.93	69.00%
2460	4.82	72.00%
2470	4.74	71.70%
2480	4.74	70.40%
2490	4.85	67.90%
2500	4.9	69.30%

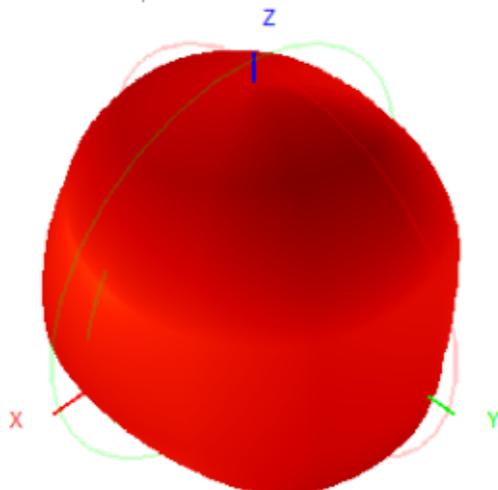
2400.0MHz H+V, Eff: 73.5%



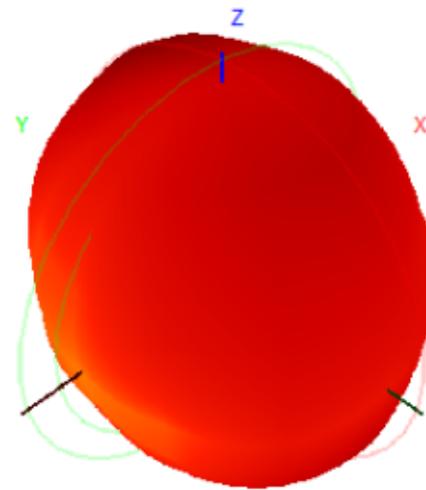
Back View



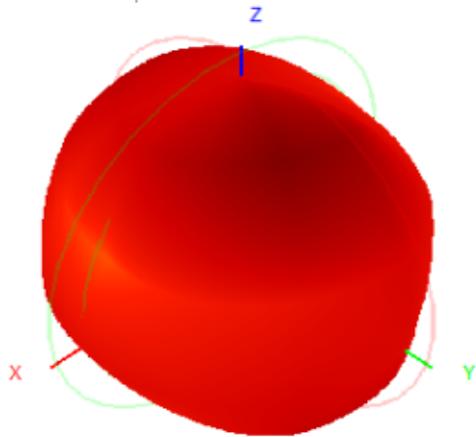
2450.0MHz H+V, Eff: 69.0%



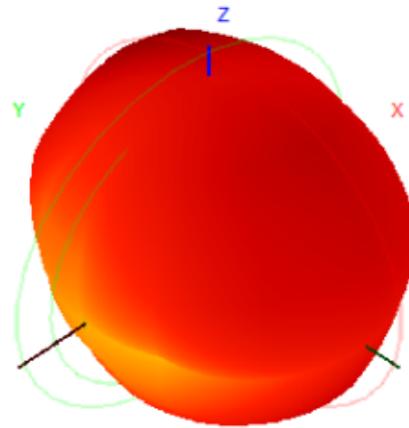
Back View



2500.0MHz H+V, Eff: 69.3%



Back View



7. Product picture

