

Shenzhen Jinhong Wireless Technology Co., Ltd.

301, Building B1, Weiye Chuangxin 18 Industrial Zone, beside Nanchang Baoyuan Road, Nanchang Community, Xixiang Subdistrict, Bao'an District, Shenzhen, Guangdong Province, P.R. China



SHENZHEN JINHONG WIRELESS

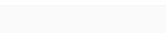
Product Specification

Part Description	Vendor: xili Description: <u>QZJHXL2502-008</u> Product Name: R-射频天线 Project: G6S/G7S/G500S/K100S/K180S/K200S/K280S/K320S/K350S/K90S/XL-2/XL-3/XL-5/XL-6/XL-7/XL-8/XL-9/XL-10/XL-11/XL-12 Part NO: Version: A1																
Attachments	<table border="0"> <tr> <td>☒ Spec</td> <td>☒ Drawing</td> <td>☐ Sample</td> <td>☒ ROHS Repot</td> </tr> <tr> <td>☐ Cpk Report</td> <td>☐ FAI Report</td> <td>☒ Reliability Report</td> <td>☐ Safety Report</td> </tr> <tr> <td>☐ QC Flow Chart</td> <td>☐ Molding conditions</td> <td>☒ Material Verification Sheet</td> <td></td> </tr> <tr> <td>☒ Packing Content</td> <td>3C Certificate</td> <td>☐ Material inspection standard</td> <td></td> </tr> </table>	☒ Spec	☒ Drawing	☐ Sample	☒ ROHS Repot	☐ Cpk Report	☐ FAI Report	☒ Reliability Report	☐ Safety Report	☐ QC Flow Chart	☐ Molding conditions	☒ Material Verification Sheet		☒ Packing Content	3C Certificate	☐ Material inspection standard	
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Vendor	Design: 奚翔 Check: 郑翠兰 Approval: 彭发辉																
Technology check	Mechanical: Hardware: ID: Market: DQE/SQE:																
Final check	ROHS: Quality plannin																
Approval condition	☐ Approved ☐ Reject ☐ Condition approved Temporary approved																

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Approval by	RD Leader(Technology Director)	Quality Director
Distribute	☐ IQC ☐ 采购（供应商） ☐ 样品管理/文控 ☐ 外协厂 ☐ 其它	



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2 instructions

This report includes several equipment, test environment and test results for the electrical performance of the antenna, as well as structural drawings and inspection reports of the antenna. Below is a picture of the antenna.

3 Product specifications

Electrical Specifications	
Frequency Range (MHz)	700-2700
Gain (dBi)	2
VSWR	≤ 2.2
Input Impedance (Ω)	50
Polarization	Vertical
Maximum input power (W)	2
Input connector type	
Dimensions (mm)	34.63*7.35
Antenna weight (kg)	
Antenna color	Green

4 Reliability test

1	SAIT SPRAY TEST	Brine spray test: distilled water according to GB1266-86 standard: single distillationPH6.5~7 Spray volume: 1.4me80cm 7 H compressed air pressure: 1kgf / cm ² Test Relativity: 98 ° Temperature: 45 °~ 47 ° Pressure temperature: 35 ° Test time: 24hr	All characteristic range is 30% of the initial value
2	HEAT TEST	85+2℃ for 96 hours, after keep in normal condition for 30min the to test.	
3	HUMIDITY TEST	40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30min the to test.	
4	COLD TEST	-40+2℃ for 96hours, after keep in normal condition for 30min the to test.	

5 Electrical performance test

5.1 Test equipment and environment

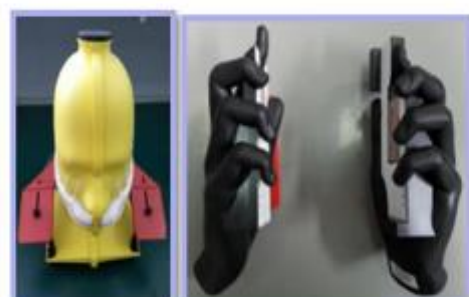
测试设备



SATIMO-24



ETS



模拟人头手



安捷伦8960



安利MT8820C



CMW500



安捷伦E5071C

测试系统	测试环境	有源测试	无源测试
SATIMO—24	温度：22°C ± 3°C	支持2G/3G/4G	400MHZ——6G
ETS	湿度：50% ± 15%	BT/WIFI/GPS	

5.2 Antenna OTA data

	B8			B1			B3			B5		
CHN	21500	21625	21750	18050	18250	18550	19250	19550	19900	20450	20525	20600
TRP	18.3	20.3	20.4	20.7	19.6	20.0	21.4	20.0	19.5	19.8	20.1	20.6
TIS			-91.6			-92.2			-92.4			-91.0

	B38			B7			B40			B41		
CHN	37850	38000	38150	20800	21100	21400	38750	39150	39550	40600	40700	40800
TRP	20.8	21.1	21.8	20.6	20.6	20.4	21.1	20.5	21.7	21.6	21.5	18.5
TIS			-92.5			-91.6			-91.9			-90.8

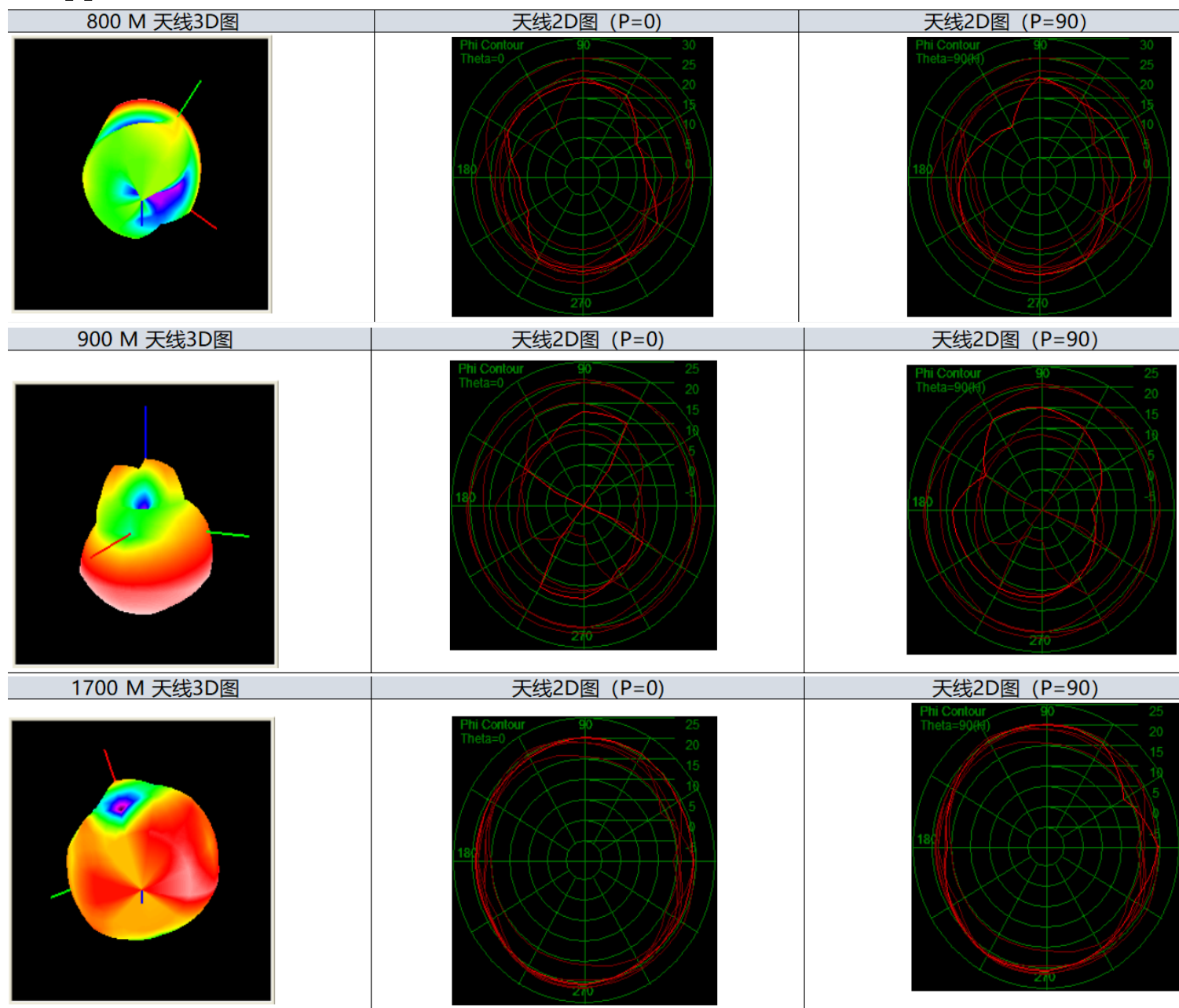
	B2			B4			B13			B12		
CHN	18900	19100	19250	20050	20175	20300		39150		23060	23095	23130
TRP	19.2	19.0	18.6	20.4	20.4	19.3		18.3		19.3	19.5	20.6
TIS			-92.8			-92.0		-90.7	-			-92.4

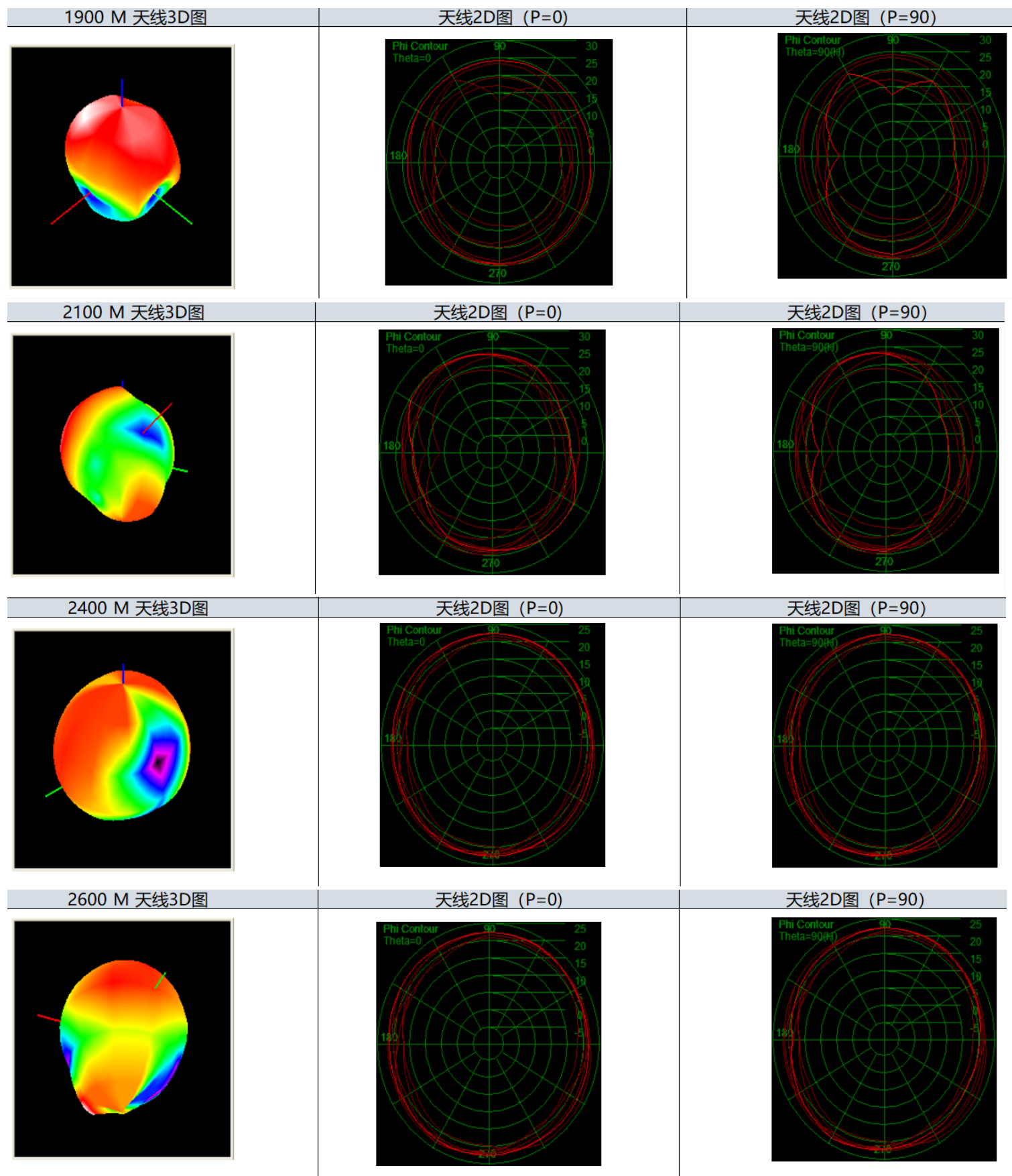
	B66			B17		
CHN	66486	66786	67086	23780	23790	20800
TRP	21.20	21.6	20.9	17.5	18.2	18.9
TIS			-92.6			-91.6

5.3 Antenna gain

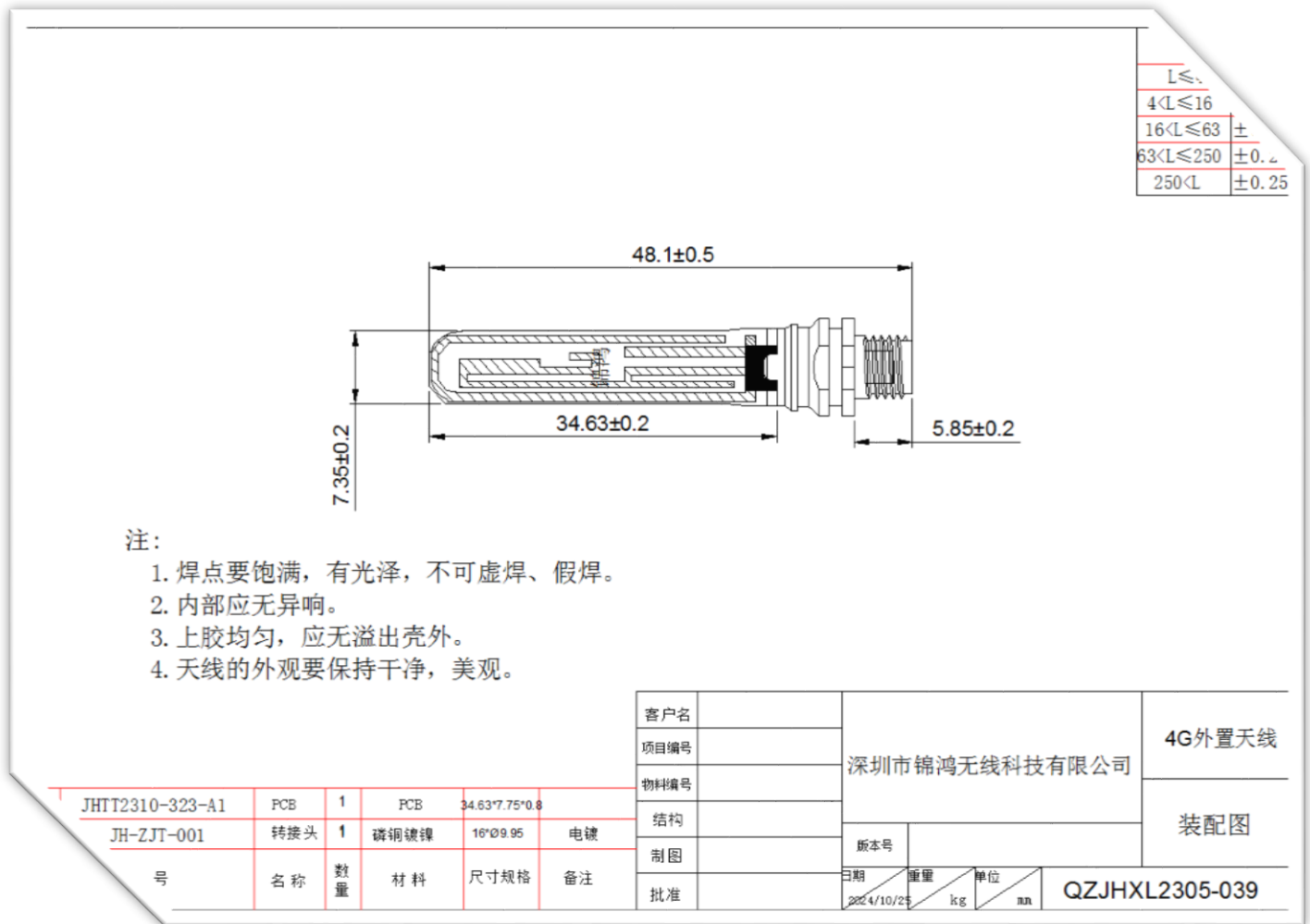
频段	增益
LTE	B1/B3/B2/B4
	1.51dBi
	B5/B8
	1.00 dBi
	B12/B13/B17
	0.75 dBi
	B40
	1.64 dBi
	B38/B41/B7
	1.78 dBi
	B66
	1.75 dBi

6 Apple chart





7 Engineering drawings



8 Packing method

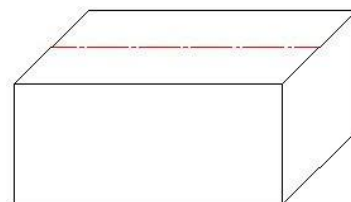
Inside:

PE bag packaging, 200pcs / bag

PE bag size: 30*180

External :

carton packaging, 100 bags / box



carton packaging size 330*270*220