

Acknowledgement

Name of supplier's product: CGNW116WiFi 2.4G, rod-shaped antenna

Supplier specifications and models: CA42

Name of the demander company: _____

Name of demander's product: _____

Demander specifications and models: CA42

Material code of demander: 1065031100004

date: 2023-6-20

(For the name and specification and model of the product, the two parties can choose one application from the naming rules of the supplier and the naming rules of the demander)

Supplier confirmation (please sign the date when signing)

examine and verify	affirm

Ruiming technical confirmation (please sign the date when signing)

affirm

Supplier: Shenzhen Jixuntong Wireless Technology Co., LTD

Address: 409, Tongan Logistics, No.30 Gushu Aviation Road, Bao'an District, Shenzhen

[illegible][illegible]

catalogue

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Community, Hangcheng Street, Bao'an District, Shenzhen**

Contact number: 0755-23731203

website: <http://www.jxtant.com>



1. Antenna pictures



two. testing

environment

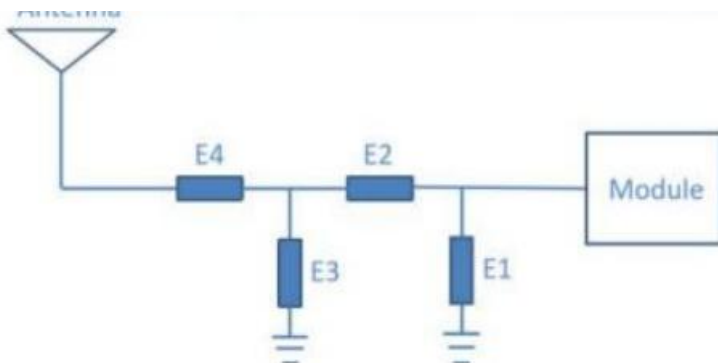
two. , testing

environment

nothing

3. antenna loading coil

3.1. The antenna



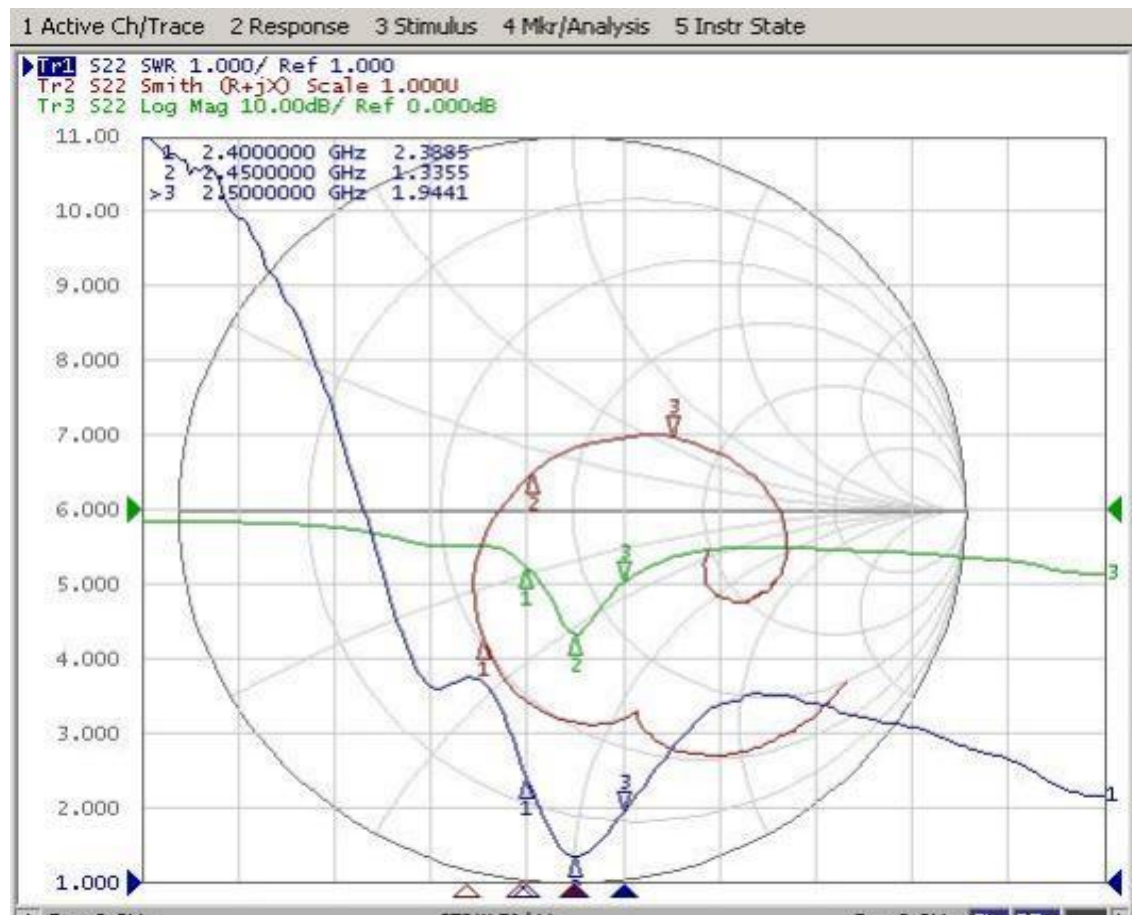
E1	E2	E3	E4
NC	0Ω	NC	0Ω

Unchanged motherboard matching



4. Electrical performance report

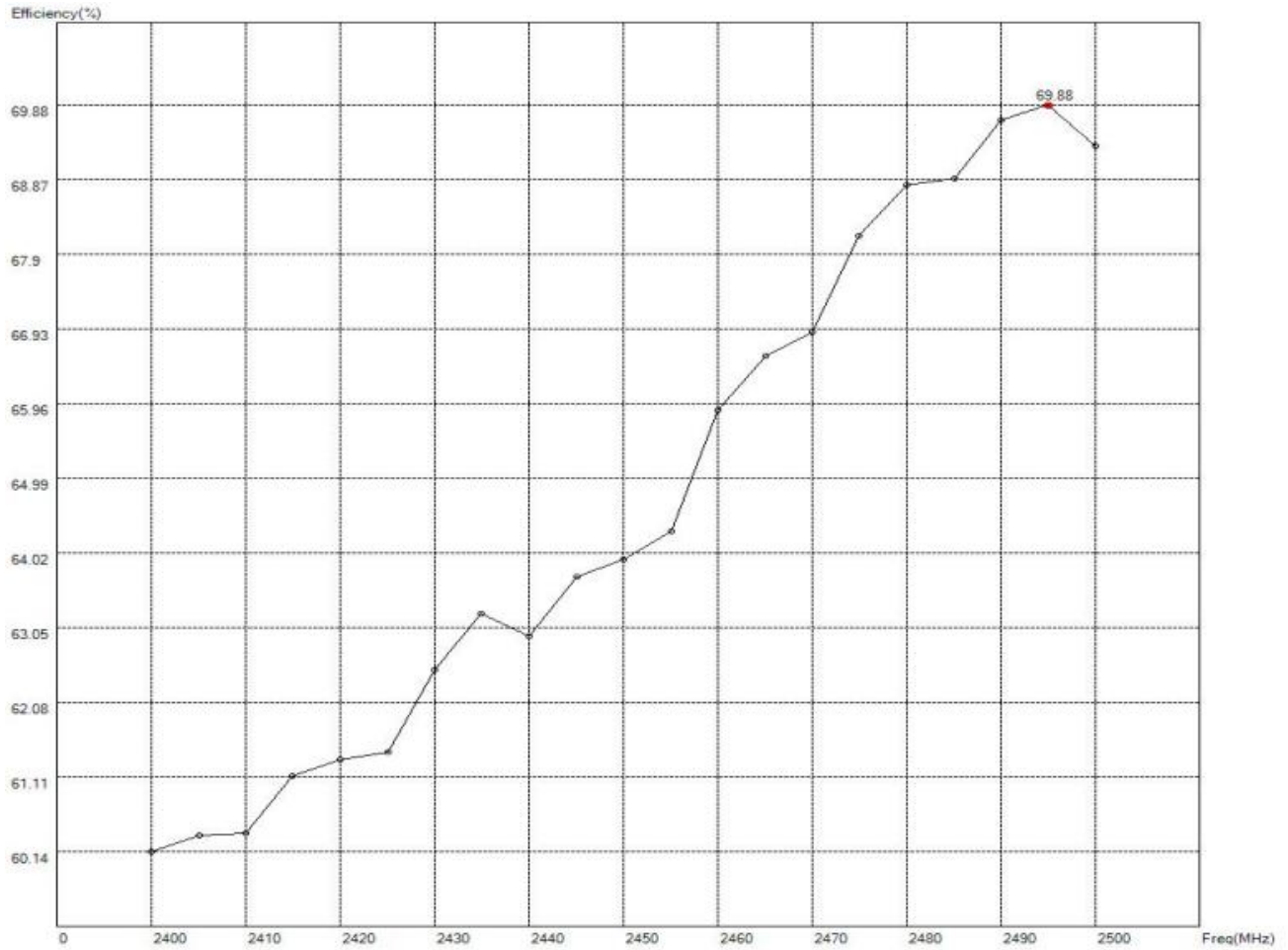
4.1, resident graph And gain efficiency



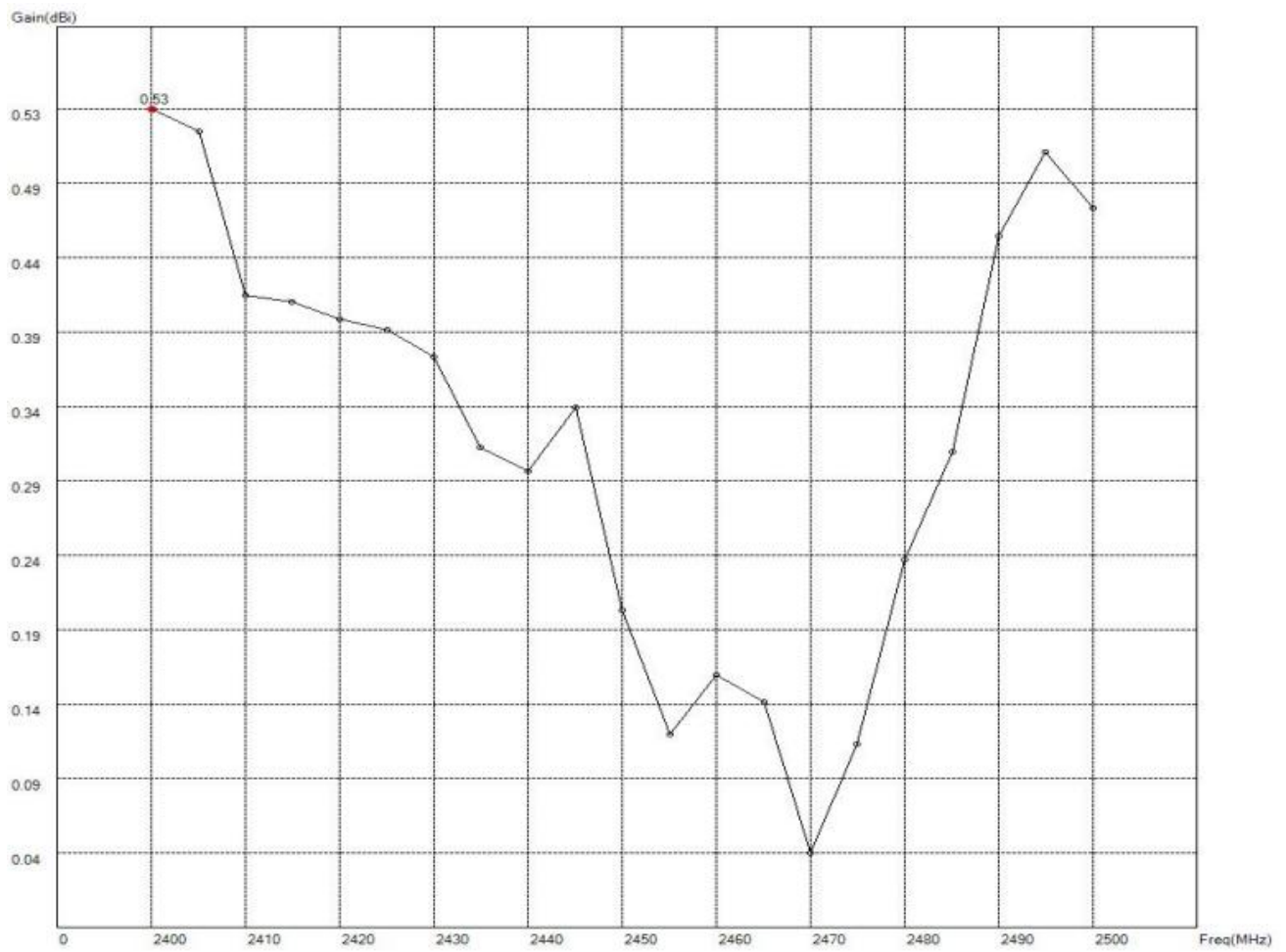
Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	0.527671912	-2.208432309	60.13907849
2405	0.513042672	-2.19276603	60.35640958
2410	0.406326529	-2.190760913	60.38428228
2415	0.402156194	-2.137680608	61.12683916
2420	0.390474289	-2.122836516	61.33612685
2425	0.383369171	-2.115443051	61.44063491
2430	0.365697096	-2.040060469	62.51639882
2435	0.306815057	-1.989615445	63.24678521
2440	0.291699951	-2.010040772	62.95002731
2445	0.33304679	-1.957277761	63.71948014
2450	0.201207548	-1.941364937	63.95338058
2455	0.119822615	-1.916937519	64.31410763
2460	0.158628918	-1.811269571	65.89812274
2465	0.141172633	-1.765452665	66.59701037
2470	0.042727247	-1.744728684	66.91556228
2475	0.113641251	-1.6639331	68.17210276
2480	0.233871771	-1.621943938	68.83441189
2485	0.304351668	-1.61701738	68.91254071
2490	0.44504574	-1.569363101	69.67286829
2495	0.499427275	-1.556647499	69.8771607
2500	0.462773138	-1.590267309	69.33831268



4.2, and the efficiency of Fig



4.3, Gain Fig

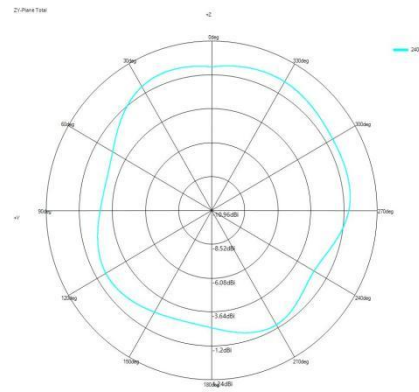
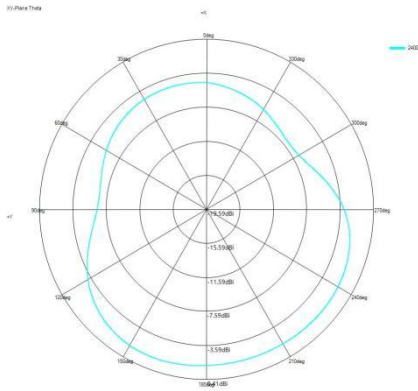
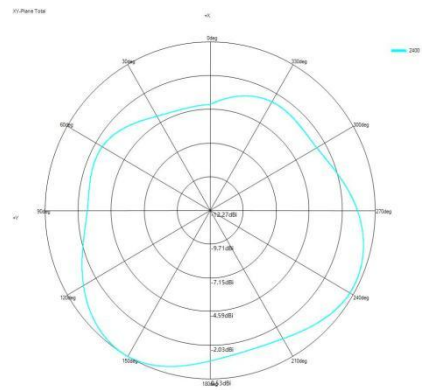
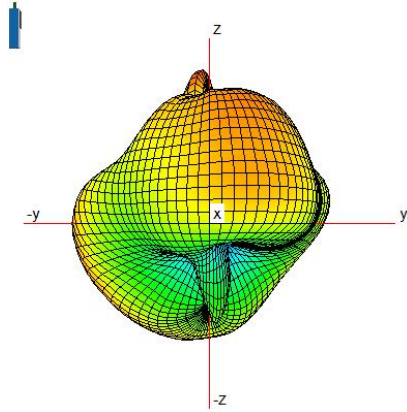




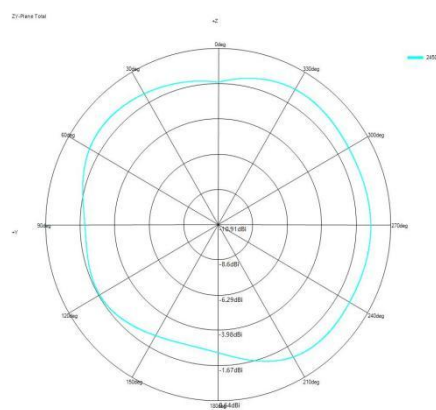
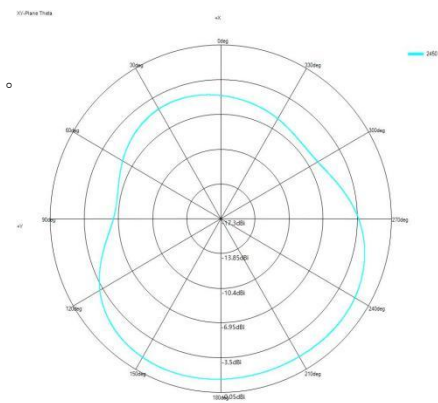
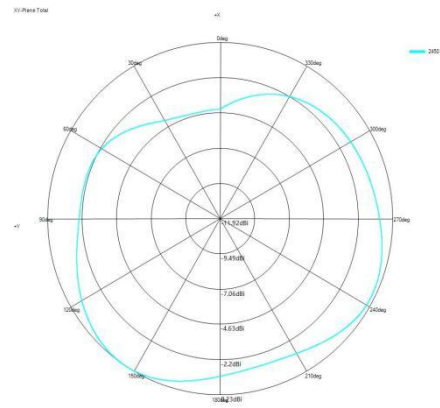
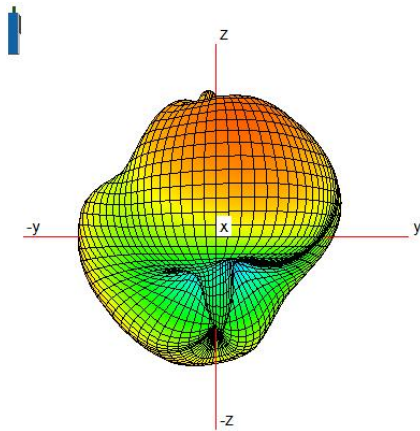
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4.4 Direction

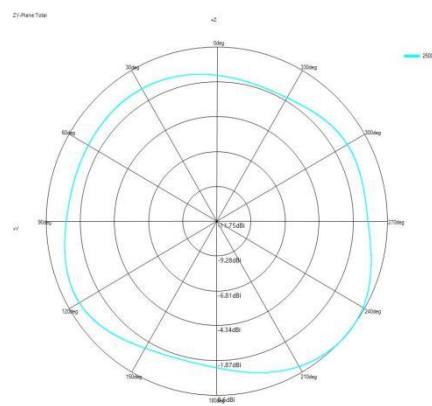
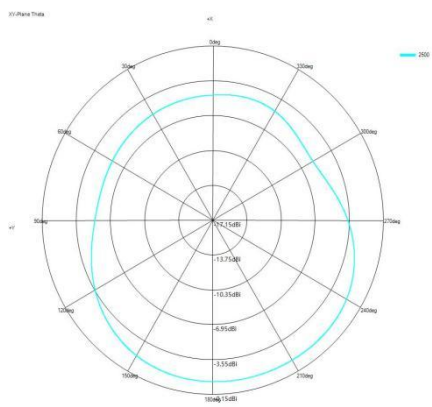
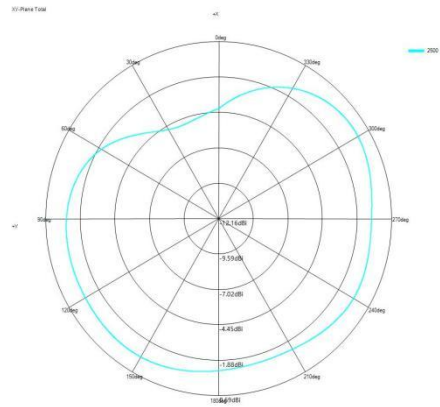
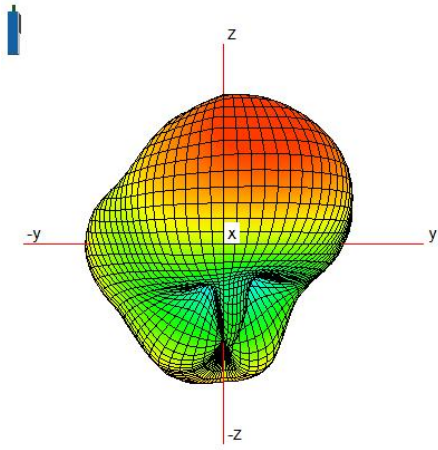
2400MHz



2450MHz



2500MHz





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5. Reliability test report

5.1. Salt spray test report

client	Sharp Ming	part name	bar antenna; rod antenna; stick antenna	Make date	2023-06-09
surveillance project	Test requirements			The measured results	evaluate
neutral salt spray test	Experimental process: Neutral salt spray test was conducted on the hardware on the antenna. In a closed environment of $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$, the humidity is $> 85\%$, and the PH value is within the range of $6.5-7.2.5\% \pm 1\%$ Nacl solution was used. After 48h of continuous saline spray, the product surface should be free of corrosion, discoloration, and coating peeling.			After the end of the experiment, the product surface has no rust, discoloration and peeling coating.	qualified
Experiment: Geng collar			Approval: Geng Ling		



Antenna test instrument

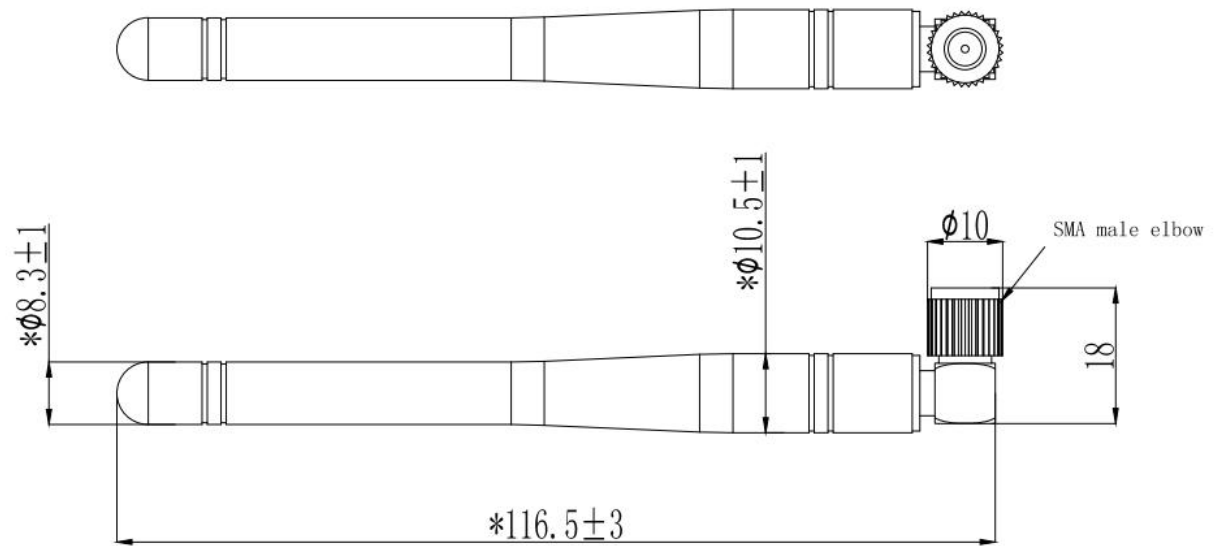


Dark chamber test ring



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six. schedule drawing



Unit:mm