

SPECIFICATION FOR APPROVAL

CUSTOMER :

CUSTOMER PART NO:

RoHS
compliant

SUPPLIER: JIAXING GLEAD ELECTRONICS CO.,LTD.

PART NO: GOA_24A_KR800

DESCRIPTION: 4G MAIN/4G DIV / FAKRA -A 4 合 1

REMARKS:

VERSION	DATE	REVISION DESCRIPTION	PREPARED	CHECKED	APPROVED
A0	11/5/2024	NEW ISSUED	Fei Lu	Sheng Gao	Wenli Yan
A1	1/7/2025	Add 600-800MHz data Refine dimensions	Chengcong Zhang	Fei Lu	Sheng Gao
A2	7/7/2025	Correct dimensions	Fei Lu	Sheng Gao	Wenli Yan
A3	24/9/2025	Redefinition of indicators	Chengcong Zhang	Fei Lu	Sheng Gao

CUSTOMER APPROVED

Quality Dept.	Production Dept	Technology Dept
Name: Tel: E-mail:	Name: Tel: E-mail:	Name: Tel: E-mail:

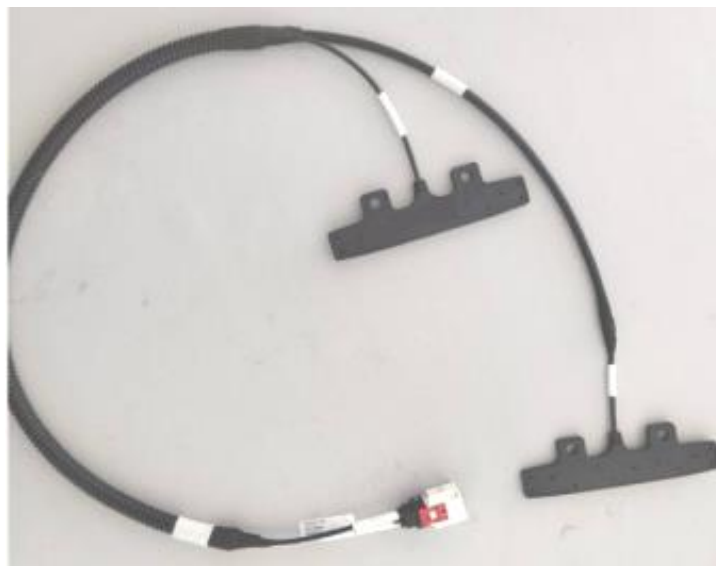
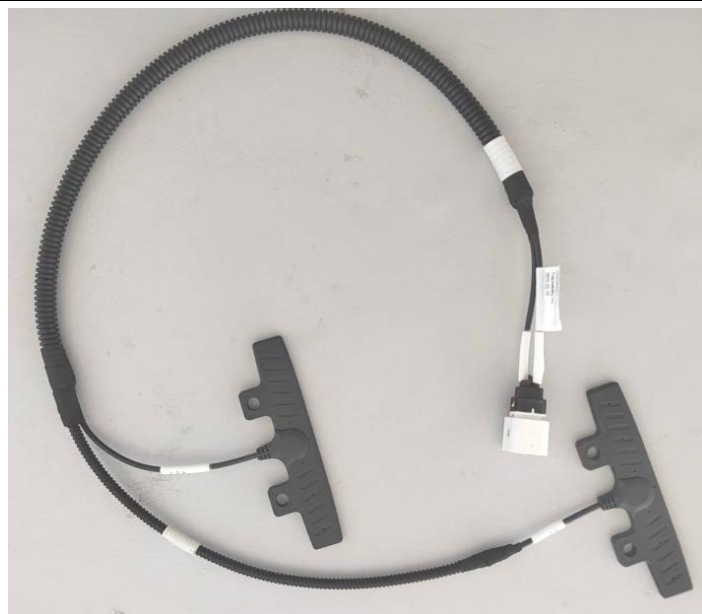
GLEAD APPROVED

Quality Dept	Production Dept	Technology Dept
Name: Tel: E-mail:	Name: Tel: E-mail:	Name: Tel: E-mail:

Prepared by:	Formed On:	Company Address:	No.66 ZhengyuanRoad,Tanghui Industrial Zone, Jiaxing, Zhejiang, China
		Company Tel:	+86-573-83651818

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Prepared by	Checked by	Approved by
Chengcong Zhang	Fei Lu	Sheng Gao

1、 **Product figure** (figure for reference only)



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Chengcong Zhang	Fei Lu	Sheng Gao

2、Electrical Characteristics

4G MAIN STANDARD		2G / 3G / 4G Application			
1	Frequency Range	600~824MHz	824~960MHz	1710~2170MHz	2300-2690 MHz
2	Peak Gain （typ.） ¹	-4 dBi	2.9dBi	4.85dBi	6.0dBi
3	Average Gain （typ.） ¹	-6.5 dBi	-0.9dBi	-1.0dBi	-1.9dBi
4	Efficiency ¹	> 10%	> 65%	> 70%	> 55%
5	V.S.W.R ²	< 9:0	< 3:0		
6	Impedance	50 ohm			
7	Azimuth	Omni-direction			
8	Polarization	Linear polarization			
4G DIV STANDARD		2G / 3G / 4G Application			
1	Frequency Range	600~824MHz	824~960MHz	1710~2170MHz	2300-2690 MHz
2	Peak Gain （typ.） ¹	-4 dBi	2.9dBi	4.85dBi	6.0dBi
3	Average Gain （typ.） ¹	-6.5 dBi	-0.9dBi	-1.0dBi	-1.9dBi
4	Efficiency ¹	> 10%	> 65%	> 70%	> 55%
5	V.S.W.R ²	< 9:0	< 3:0		
6	Impedance	50 ohm			
7	Azimuth	Omni-direction			
8	Polarization	Linear polarization			

Note 1: Measured with 80cm RG174LL Cable

Note 2: Measured with 60cm RG174LL Cable

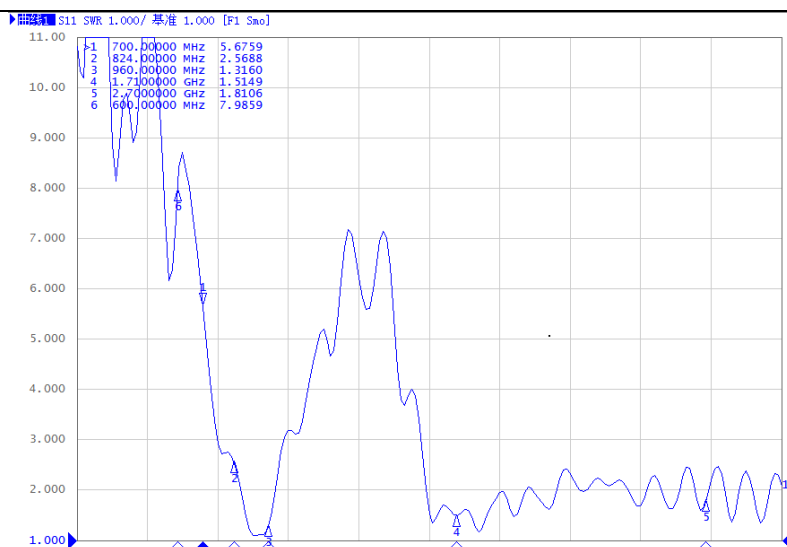
3、Material

No.	Part Name	SPEC	
1	Antenna	FR4	
2	RF Cable	Cable type	RG174-LL 80 编
		Conductor Material	Cable shielding net and cable conductor: Cu
		Cable Length	焊接客供线缆 820MM/620MM
3	RF Connector	TE: 2-2354439 端子: 2298510-1	
4	Install	2-M6	
5	Thickness	6.8mm (Typical)	

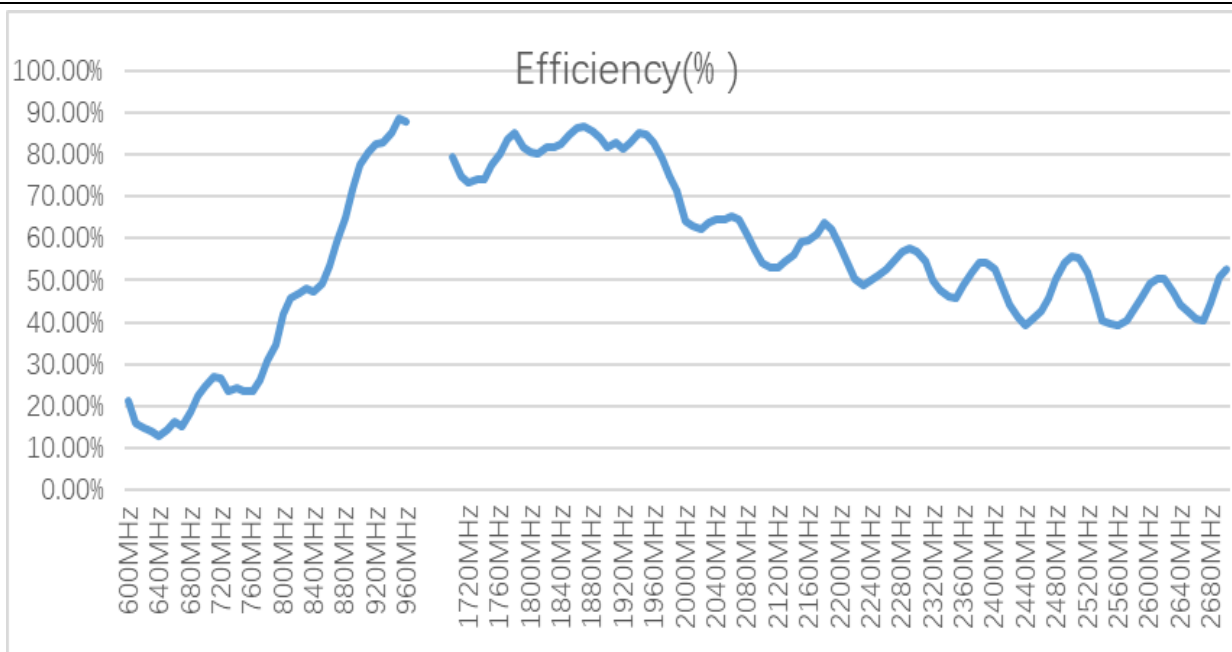
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4、 Antenna Test curve

4.1 VSWR (Set the smoothing value to 1.5%)

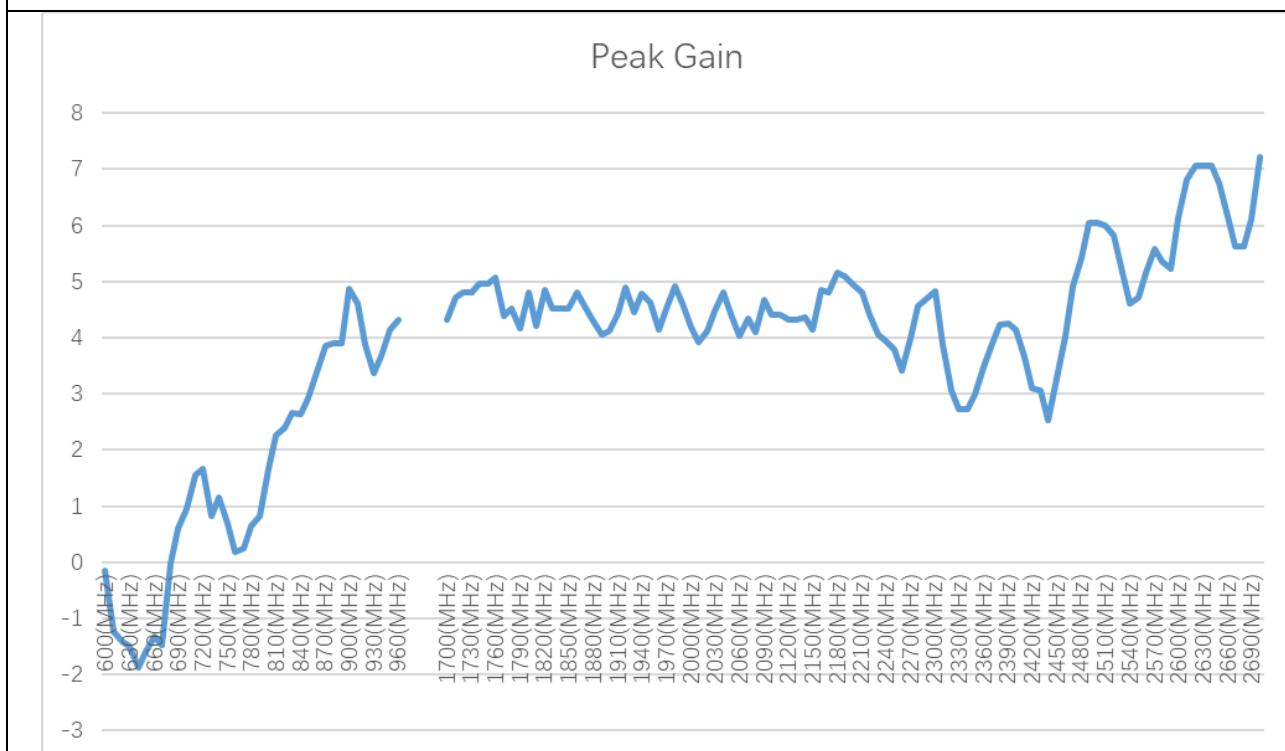


4.2 Efficiency (Measured with 80cm RG174LL Cable)

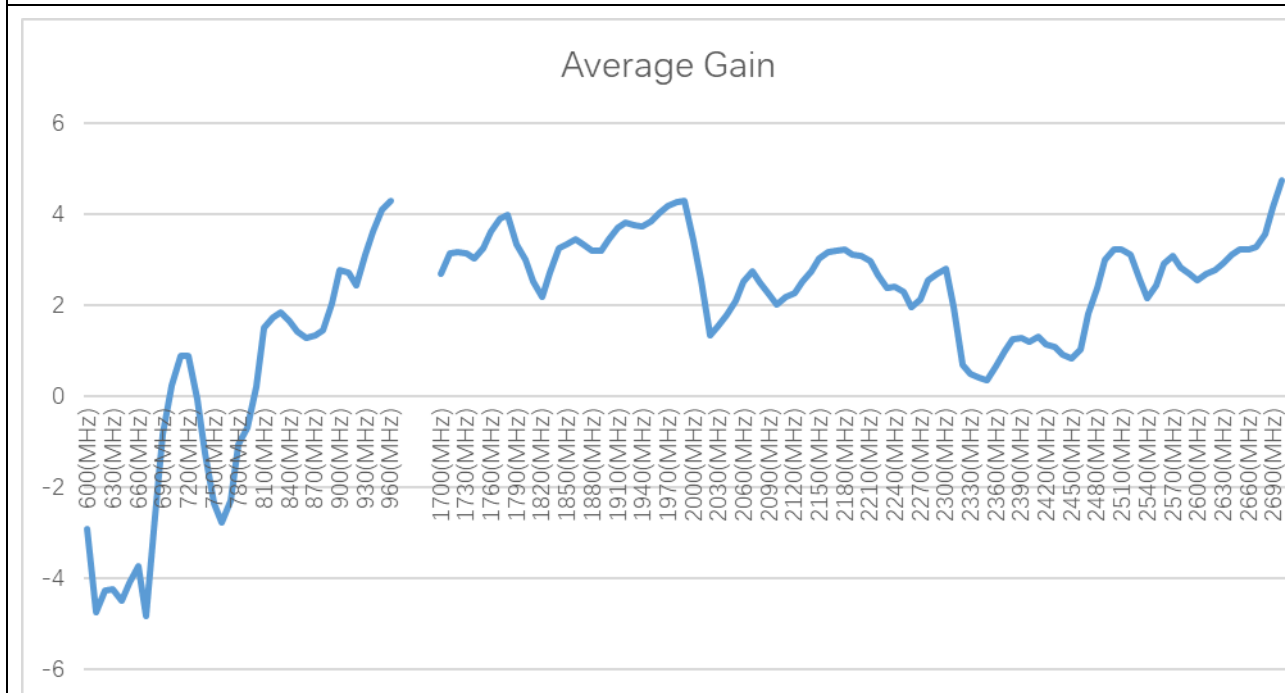


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4.3 Peak Gain (dBi , Measured with 80cm RG174LL Cable)



4.4 Average Gain (dBi , Measured with 80cm RG174LL Cable)

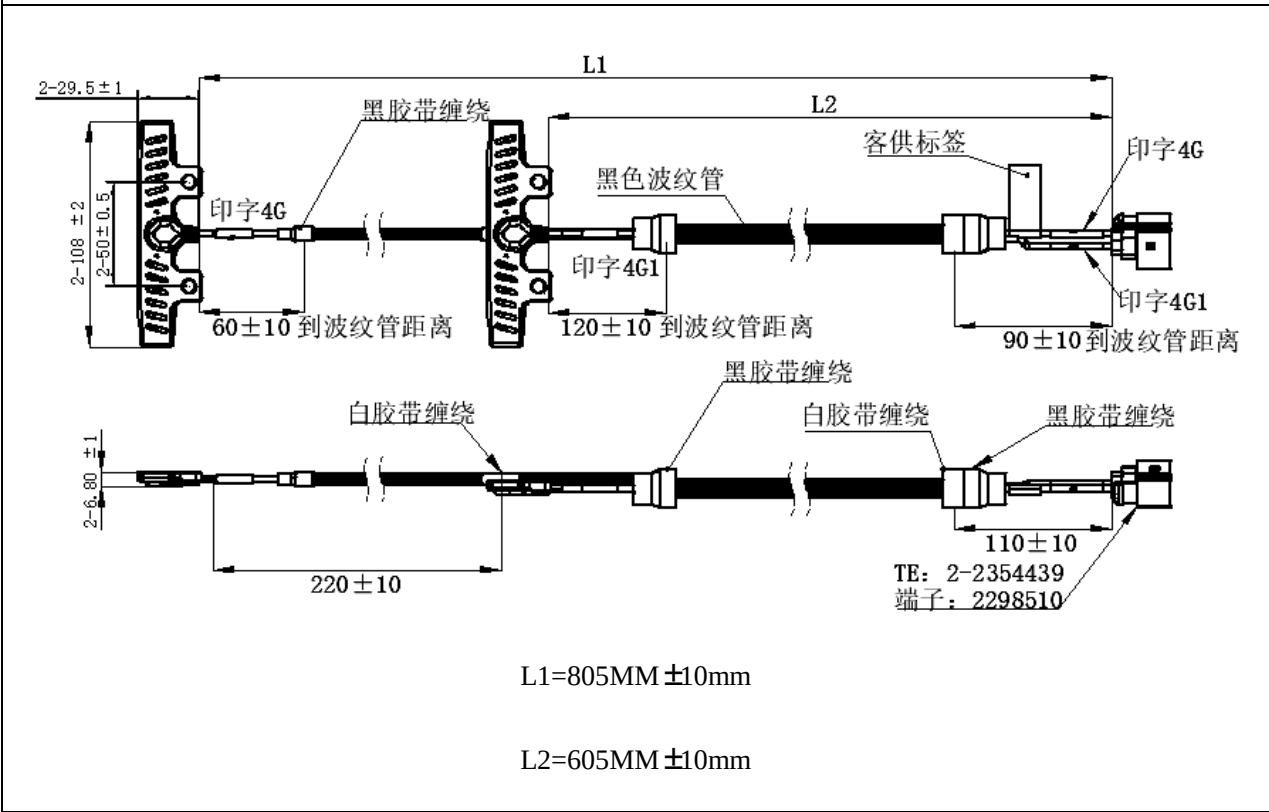


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Fei Lu	Sheng Gao	Wenli Yan

5、 Testing Conditions

1	Working Temp	-45℃~+80℃
2	Storage Temp	-45℃~+85℃

6、 Structure (Tolerance: ±2mm)



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7、 Packing （ If there are other customers packaging requirements specified in the order ）

Each carton includes 50 PCS antenna， Each lattice put 1PCS antenna, the size of carton is 630* 465* 105 mm.

