

GF2392-KH-GPS-V0.7 Specification

1. Explanation of part number :

GF2923 - KH - GPS - V0.7
(1) (2) (3) (4)

(1) Model Name : GH6321M

(2) Maker: KH

(3) Frequency : 2400-2500MHz

(4) Suffix :V2.0

2. Electrical Specification :

2-1. Frequency Band:

Frequency Band	MHz
GPS&BT&WIFI	2400-2500MHz

2-2. Impedance

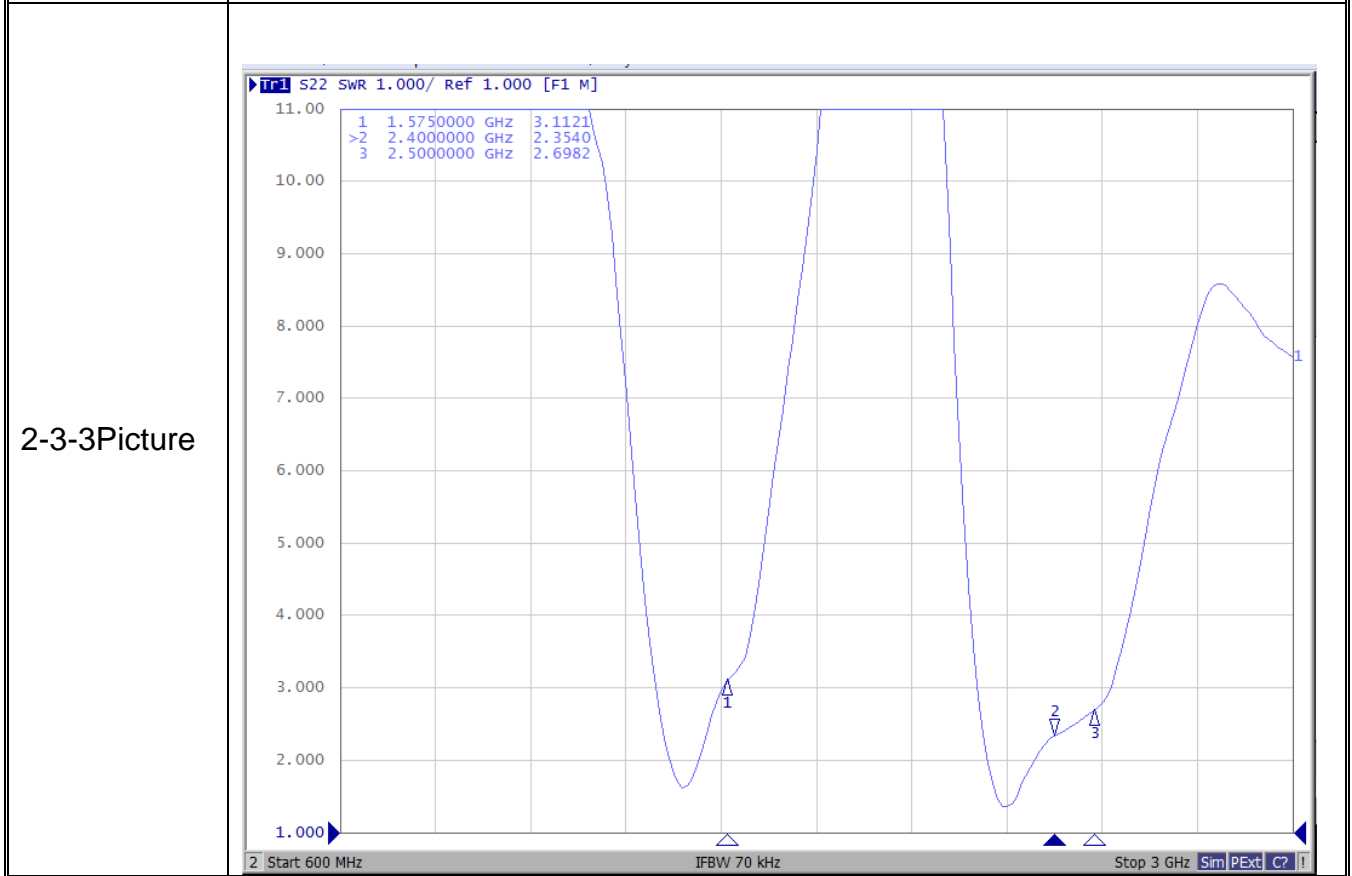
50 ohm nominal

2-3. VSWR ,Efficiency ,Matching and Active Data :

2-3.1 VSWR:

Frequency Band	2400	2500
2-3-1. Typical Value:	≤ 2.5	≤ 3

2-3-2 Measuring Method	<ol style="list-style-type: none"> 1. A 50Ω coaxial cable is connected to the fpcb antenna. Then this cable is connected to a network analyzer to measure the VSWR. 2. Keeping this jig away from metal at least 20 cm.
------------------------	---



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ±2 X.X = ±0.1 X.XX = ±0.05

ANGLES = ±

HOLEDIA = ±

SCALE :

UNIT : mm

DRAWN BY : 李森

CHECKED BY : 肖坤雄

DESIGNED BY : 苏汉鹏

APPROVED BY : 王伟

TITLE : GF2923-KH-GPS-V0.7 Specification

DOCUMENT
NO.

PAGE REV.
A0


深圳市可信华成通信科技有限公司
 SHENZHEN CITY KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD
 1F, Kono Building, Kono Industrial Park, No.7 Kellian Road, Guangming District, Shenzhen

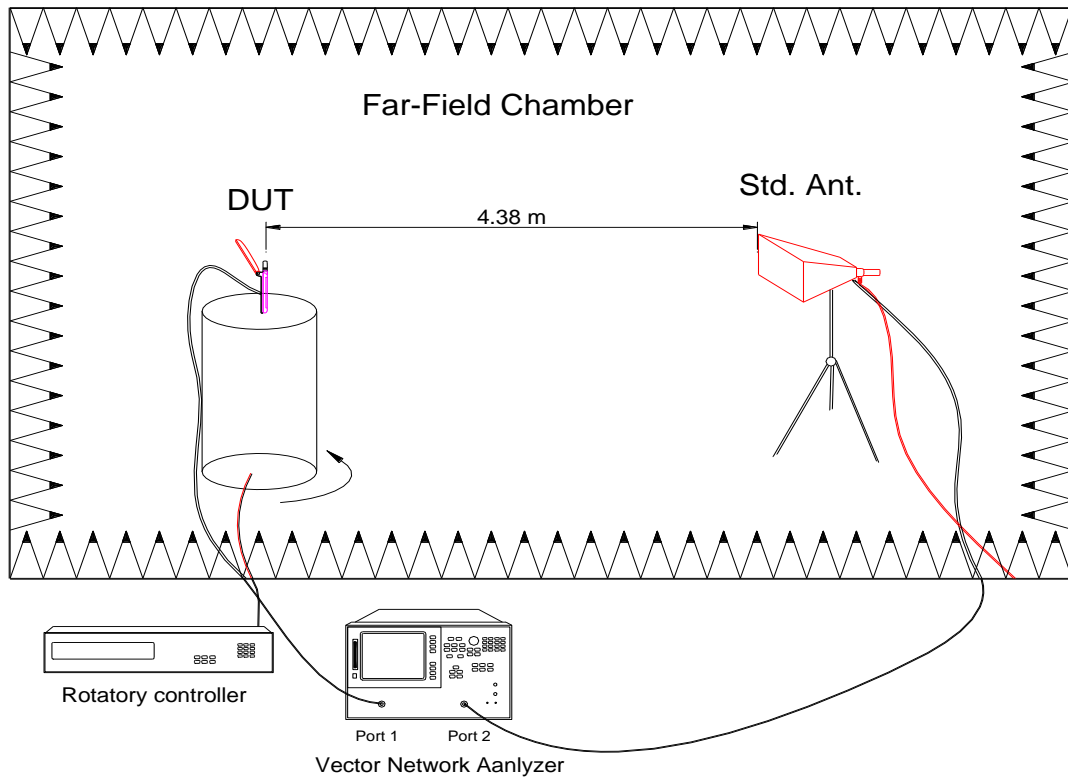
THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

2-4. Measure and Chamber

2-4-1 Measure method

1. Using a low loss coaxial cable to link a standard handset jig
2. Fixed this handset jig on chamber's rotator plane
3. Linking jig into network analyzer port and using a probing horn antenna to collect data.
4. Using another standard gain horn antenna to calibrated those data

2-4-2 Chamber definition



1. An anechoic chamber (8mx4mx3.5m) which satisfied far-field condition was applied to avoid multi-path effect
2. The quiet room region is 40cmx40cmx40cm at the center of rotator
3. The distance between DUT and standard antenna is 4.38 m
4. Probing antenna (9120D horn antenna) and standard gain horn antenna (BBHA9120 LPF 700MHz ~6GHz)

UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ±2 X.X = ±0.1 X.XX = ±0.05

ANGLES = ±

HOLEDIA = ±

SCALE :

UNIT : mm

DRAWN BY : 李森

CHECKED BY : 肖坤雄

DESIGNED BY : 苏汉鹏

APPROVED BY : 王伟

TITLE : GF2923-KH-GPS-V0.7Specification

DOCUMENT
NO.

PAGE REV.
A0



深圳市可信华成通信科技有限公司

SHENZHEN CITY KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD
1F, Kono Building, Kono Industrial Park, No.7 Kelian Road, Guangming District, Shenzhen

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

2-4-3 Antenna OTA

2-4-4 Antenna Efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2350	-0.07	-3.48	45%
2360	-0.05	-3.43	45%
2370	0.04	-3.63	43%
2380	0.10	-3.53	44%
2390	0.45	-3.25	47%
2400	0.74	-3.29	47%
2410	0.73	-3.29	47%
2420	0.86	-3.07	49%
2430	1.02	-3.06	49%
2440	0.93	-3.22	48%
2450	0.87	-3.06	49%
2460	1.04	-2.99	50%
2470	0.84	-3.18	48%
2480	0.68	-3.10	49%
2490	0.72	-3.09	49%
2500	0.29	-3.40	46%
2510	-0.16	-3.63	43%
2520	-0.27	-3.67	43%
2530	-0.65	-4.07	39%
2540	-1.11	-4.49	36%
2550	-1.32	-4.74	34%

UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ±2 X.X = ±0.1 X.XX = ±0.05

ANGLES = ±

HOLEDIA = ±



深圳市可信华成通信科技有限公司

SHENZHEN CITY KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD
1F, Kono Building, Kono Industrial Park, No.7 Kelian Road, Guangming District, Shenzhen

SCALE :

UNIT : mm

DRAWN BY : 李森

CHECKED BY : 肖坤雄

DESIGNED BY : 苏汉鹏

APPROVED BY : 王伟

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

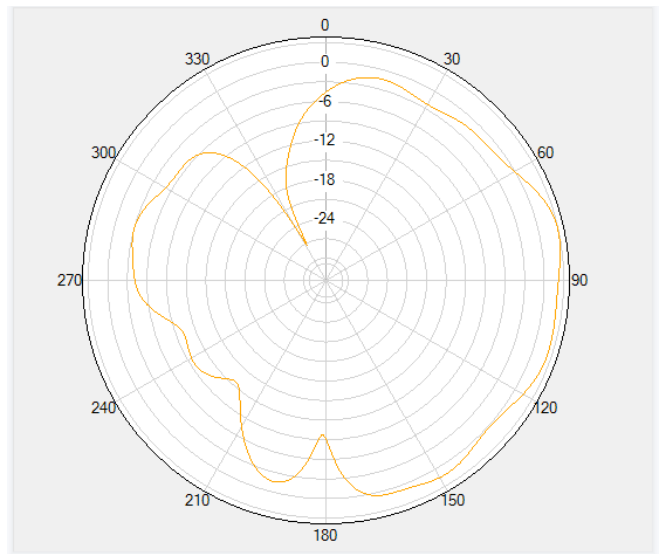
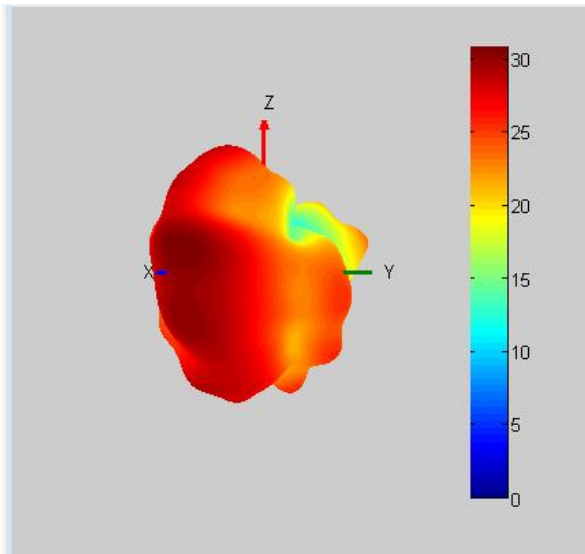
TITLE : GF2923-KH-GPS-V0.7Specification

DOCUMENT NO.

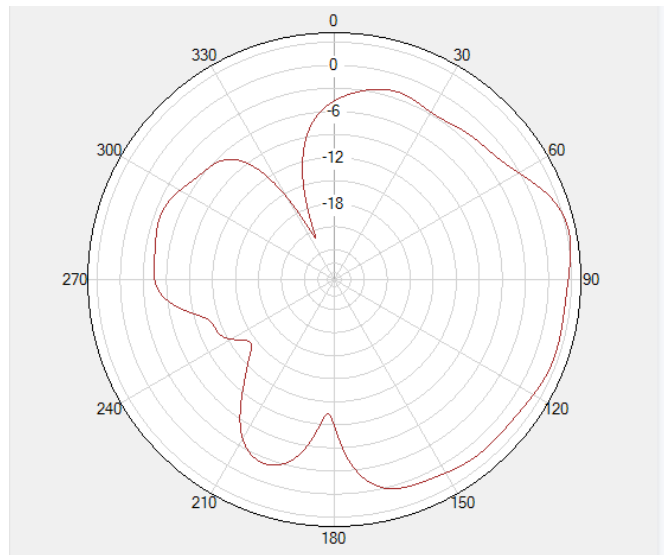
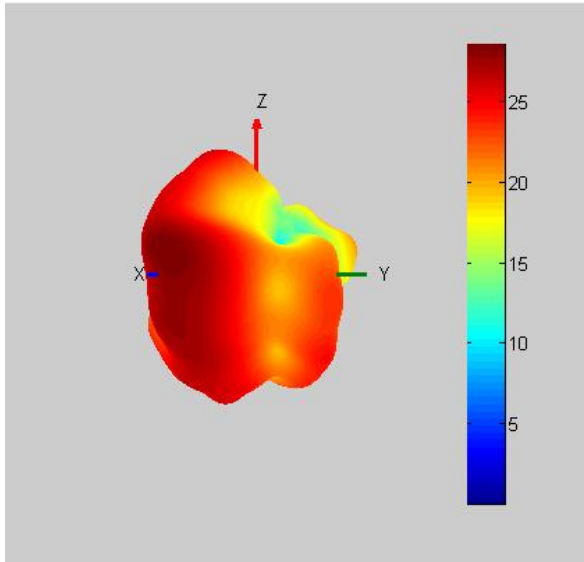
PAGE REV.
A0

3. 3D Radiation Pattern

[2400MHz]



[2450MHz]



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ±2 X.X = ±0.1 X.XX = ±0.05

ANGLES = ±

HOLEDIA = ±

SCALE :

UNIT : mm

DRAWN BY : 李森

CHECKED BY : 肖坤雄

DESIGNED BY : 苏汉鹏

APPROVED BY : 王伟

TITLE : GF2923-KH-GPS-V0.7Specification

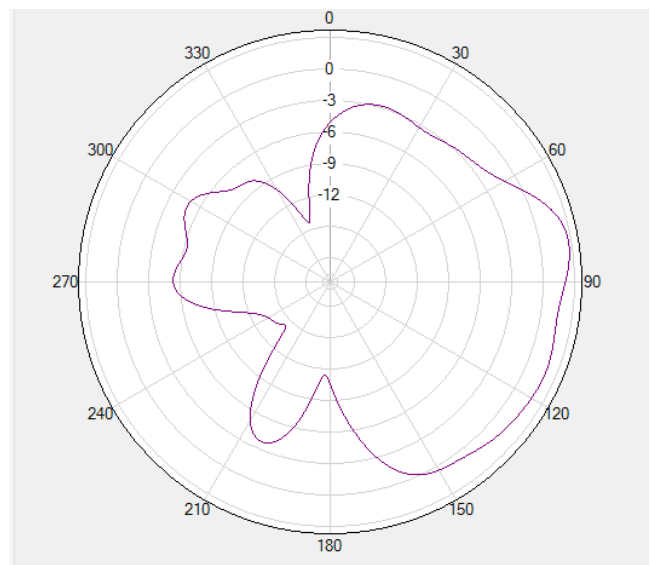
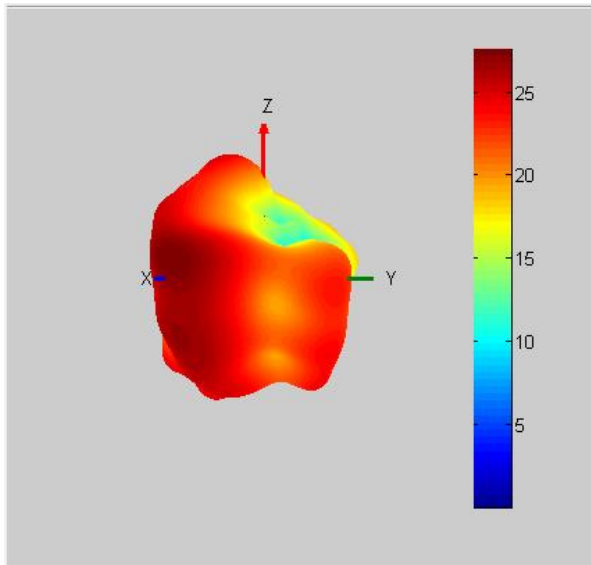
DOCUMENT
NO.

PAGE REV.
A0

深圳市可信华成通信科技有限公司
KEXIN HUACHENG
SHENZHEN CITY KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD
1F, Kono Building, Kono Industrial Park, No.7 Keilian Road, Guangming District, Shenzhen

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

[2500MHz]



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ±2 X.X = ±0.1 X.XX = ±0.05

ANGLES = ±

HOLEDIA = ±

SCALE :

UNIT : mm

DRAWN BY : 李森

CHECKED BY : 肖坤雄

DESIGNED BY : 苏汉鹏

APPROVED BY : 王伟

TITLE : GF2923-KH-GPS-V0.7Specification

DOCUMENT
NO.

PAGE REV.
A0

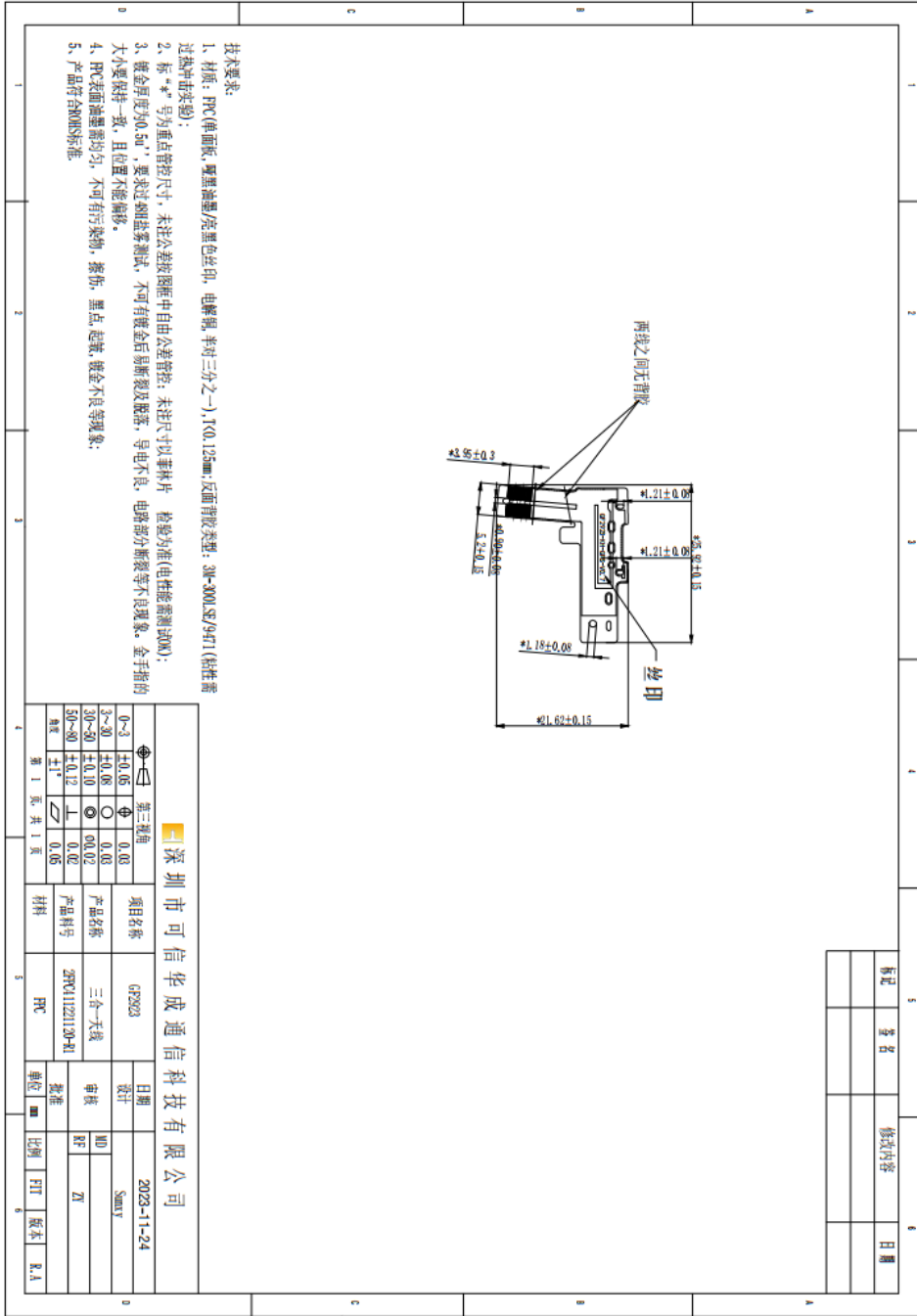


深圳市可信华成通信科技有限公司

SHENZHEN CITY KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD
1F, Kono Building, Kono Industrial Park, No.7 Kelian Road, Guangming District,
Shenzhen

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

4. Antenna Dimensions:



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ±2 X.X = ±0.1 X.XX = ±0.05

ANGLES = ±

HOLEDIA = ±

SCALE :

UNIT : mm

DRAWN BY : 李森

CHECKED BY : 肖坤雄

DESIGNED BY : 苏汉鹏

APPROVED BY : 王伟

TITLE : GF2923-KH-GPS-V0.7Specification

DOCUMENT NO.

PAGE REV. A0

深圳市可信华成通信科技有限公司
 KEXIN HUACHENG
 可信华成
 SHENZHEN CITY KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD
 1F, Kono Building, Kono Industrial Park, No.7 Kelian Road, Guangming District, Shenzhen

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF KEXIN HUACHENG COMMUNICATION TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION