



承认书

APPROVAL SHEET

客户名称:
CUSTOMER NAME. 深圳市元征科技股份有限公司

客户料号:
CUSTOMER Part No. 102230326

同讯料号:
PRODUCT Part No.

产品名称
PRODUCT NAME. IA. 00211. LA. 3FI

产品规格:
SPECIFICATION WIFI 2.4G FPC天线 L=124MM

日期:
DATE: 2019年12月17日

供货商		
Supplier		
拟制	审核	批准
DESIGNER	CHECKED BY	APPROVED BY
d w i n	y u p i n g	M a c r o
日期		

客户承认		
CUSTOMER APPROVAL		
检验	审核	批准
INSPECTOR	CHECKED BY	APPROVED BY
日期		

供货商名称: 东莞市同讯电子科技有限公司

供货商地址: 东莞市塘厦大坪社区四黎南路428号同讯科技工业园

电话: Tel: +86 0769-8307-7779 Fax: +86 0769-8100-1836

IA.00211.LA.3FI

Antenna Specification

1. Application:

This application shall apply for antenna unit which shall be used such as automotive, conventional communications, smart home, etc..

1. Electrical Specification:

Those specifications were specially defined for customer's model, and all characteristics were measured under the model's handset testing jig .

2-1. Frequency Band:

Frequency Band	MHz
WIFI 2.4G	2400-2500

2-2. Impedance

50 ohm nominal

2-3. VSWR

2-3-1.Measurement frequency points and VSWR value

Frequency Band(MHz)	2400	2500		
2-3-3. Typical Value:	2.2	1.4		

2-3-2. VSWR

Frequency Band(MHz)	2400	2500		
2-3-3. Typical Value:	≤ 2	≤ 2		

UNLESS OTHER SPECIFIED TOLERANCES ON :

$X=\pm$ $X.X=\pm$ $X.XX=\pm$

ANGLES $=\pm$ HOLEDIA $=\pm$



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SCALE : UNIT : mm

DRAWN BY: LI CHECKED BY: YS

DESIGNED BY: De wen APPROVED BY: YS

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TITLE : 2GX-GMS Antenna Specification

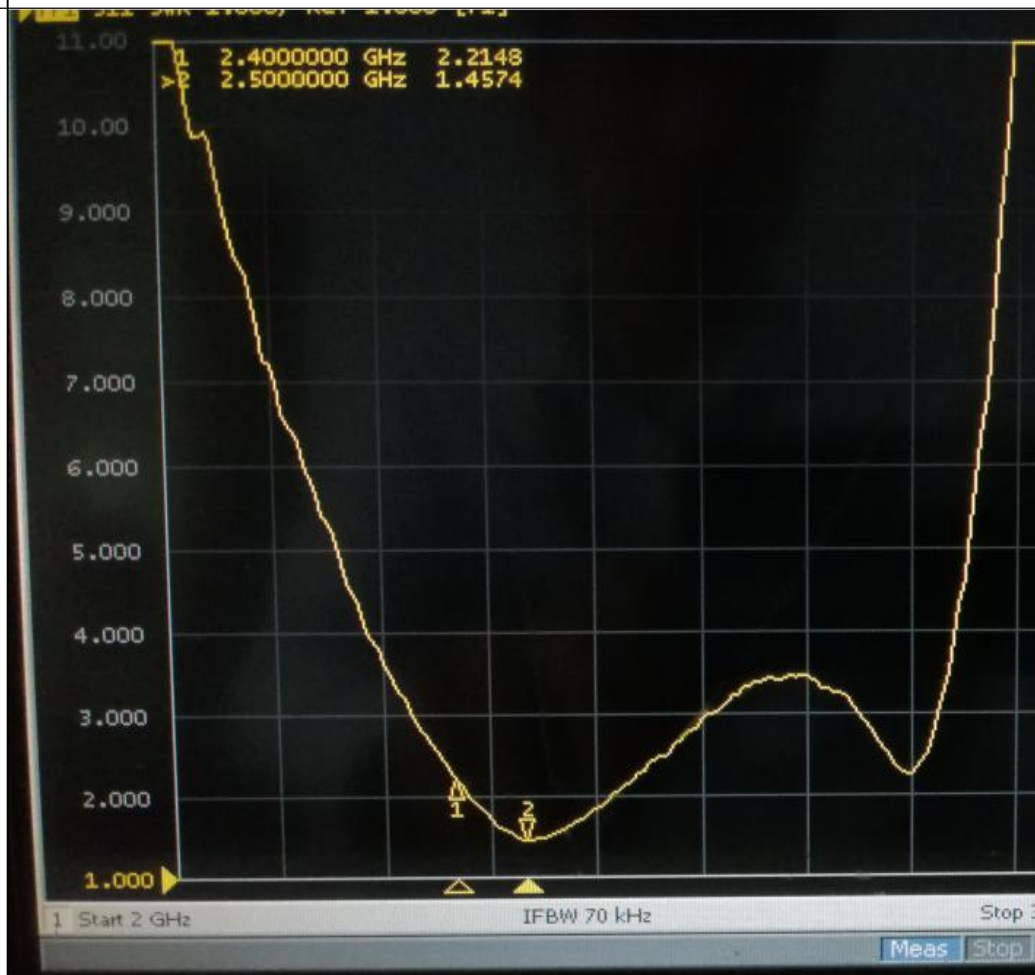
SPEC REV.

P0

2-3-4 Measuring Method

1. A 50 Ω coaxial cable is connected to the 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

2-3-5 Picture



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±

SCALE :

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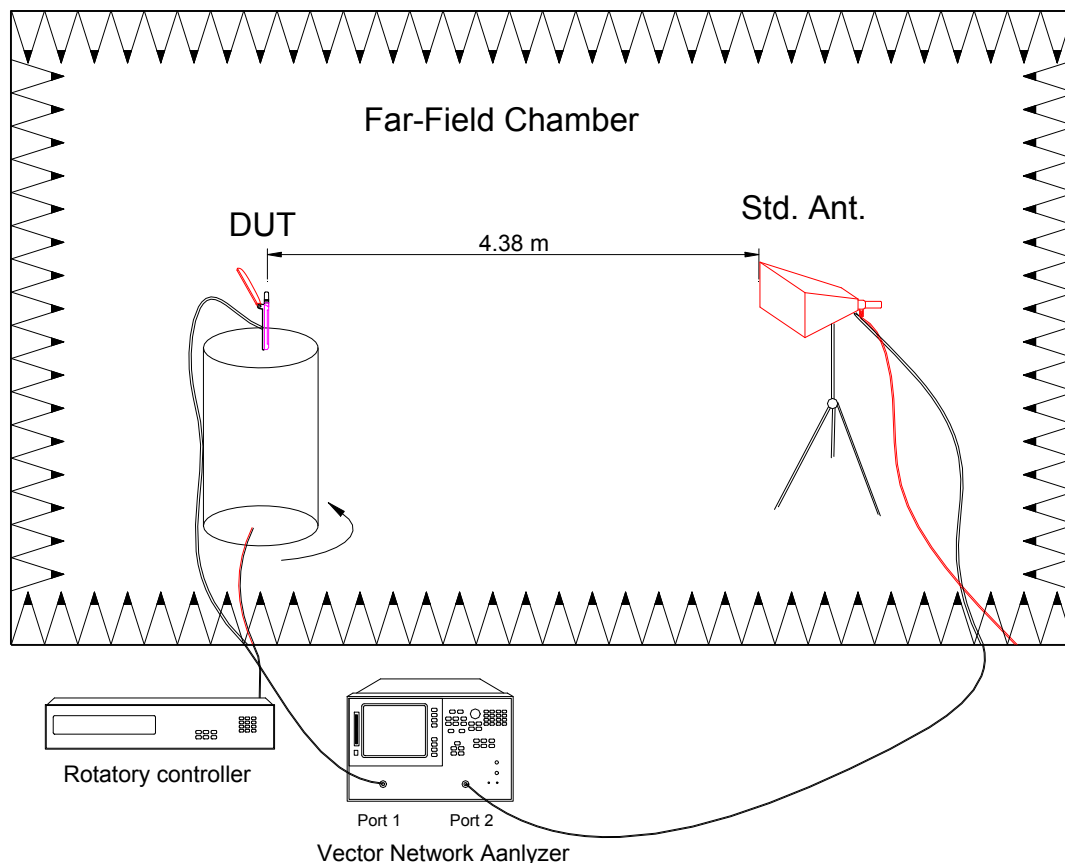
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2-4. Active test

4-5.1 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

4-5.2 Chamber definition



1. An anechoic chamber (7mx4mx3m) which satisfied far-field condition was applied to avoid multi-path effect
2. The quite 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)

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2-4-1 3D Active test

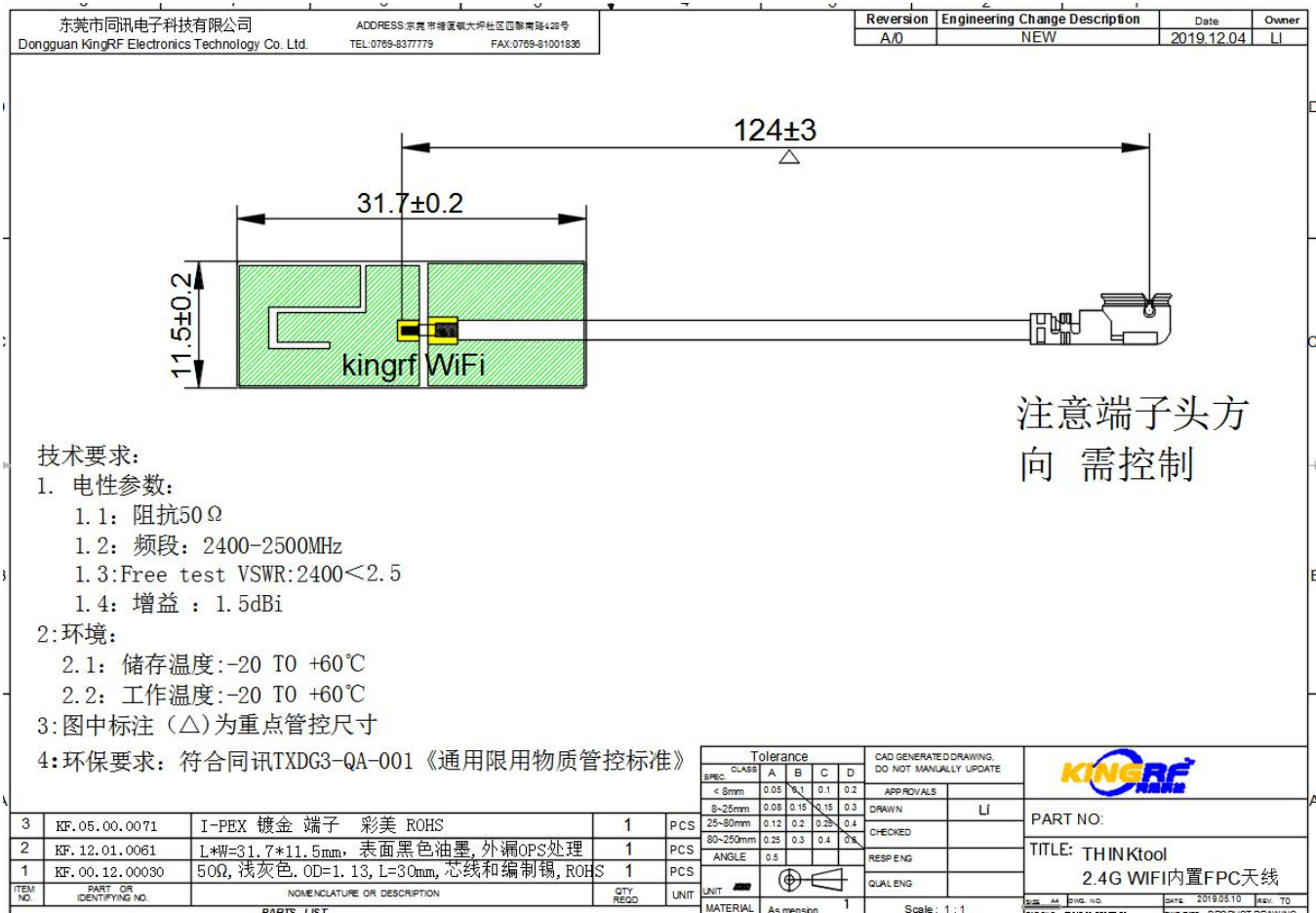
Passive Test For TEST-2.4G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	46.03	-3.37	1.71
2410	45.27	-3.44	1.48
2420	39.97	-3.98	0.85
2430	44.01	-3.56	1.25
2440	42.59	-3.71	0.99
2450	47.57	-3.23	1.45
2460	45.45	-3.42	1.25
2470	50.98	-2.93	1.81
2480	50.6	-2.96	1.72
2490	50.08	-3	1.77
2500	49.04	-3.09	1.62

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3. Mechanical Specification:

3-1. Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing



3-2. Connector appearance:

welding

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5 .Packaging specification:

Product number: xxx

Product model: xxx

一、 Label requirements:

Customer	xxx		
supplier	xxxxxx		
Material coding	xx		
Product model	xx		
Number	XXX PCS	Factory date	X X X
Remarks			

二、 Boxing:

Job description:

1. Inner packaging:

XXpcs A bag

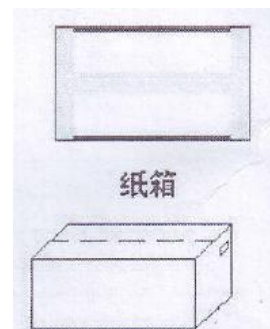
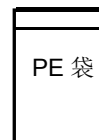
2. External packaging:

Xx PCS ;

3. Matters needing attention:

a. Whether to add partition and pearl cotton;

b. Label attachments, such as ROHS, etc.;



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