

承认书项目表

NO.	内 容 (Contents)	页数 (Number of Page)	页码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	电性测试报告 (Test Reports)	1	4
5	S 参数测试 (S Parameter)	1	5
6	增益测试 (Gain Test)	1	6
7			
8			
9			
10	-	-	-
11	-	-	-
12	-	-	-

电性测试报告

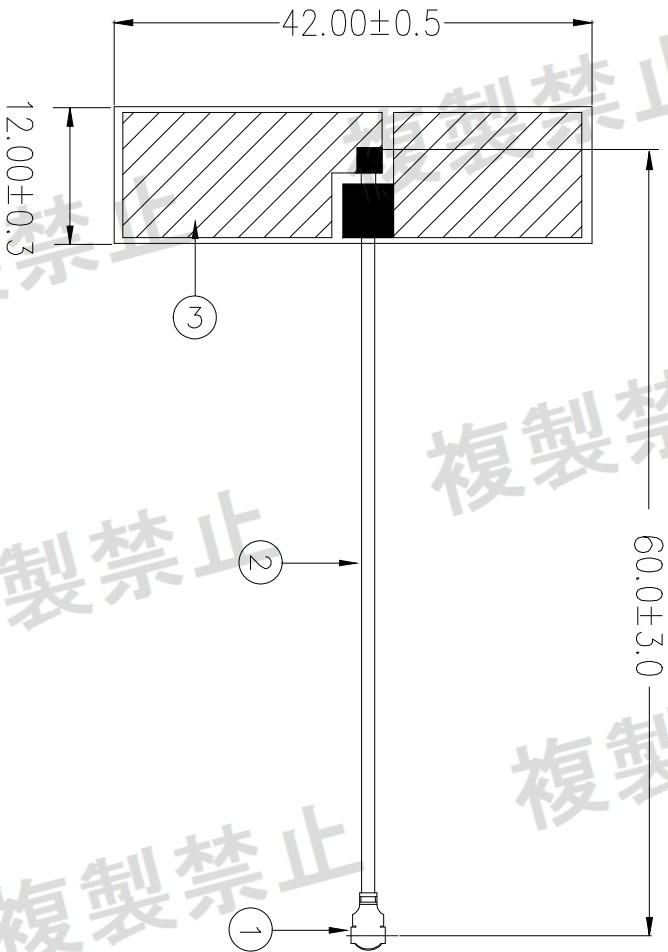
Test Reports

Electrical Properties	
Frequency	2.4~2.5GHz;4.9~5.9GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	5dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // 120 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

ADD：东莞市虎门镇大宁麒麟东路6号

Tel:15818375487

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



东莞市创捷电子有限公司

Tel:86-0769-33691210
Fax:86-0769-82381572

TITLE: 2.4GHz Antenna

PART NO.: WF4212-JPEX 1.6cm

DWG NAME: NB030-081B-IX130.DWG

APPROVED BY

CHECKED BY

DESIGNED BY

UNITS: mm

Tolerance

jeff

leon

YD

SCALE: 1/1

REVISION: A

2014-02-26

2014-02-26

2014-02-26

X.X

NO.20

2014-02-26

2014-02-26

2014-02-26

X.XX

NO.10

2014-02-26

2014-02-26

2014-02-26

XA

N&A

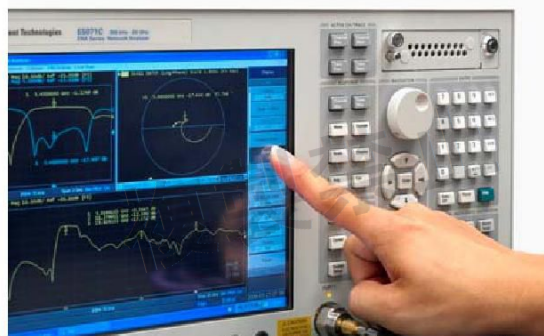
No.	Part Number	Name	Material	Q'ty
3	NB030B	FPCB	42*12mm	1
2	R-CB-081B	Coaxial Cable	O.D. 0.81mm Black	1
1	CI-081	Connector	Mini Connector	1



S 参数测试

S Parameter Test

Agilent E5071C



1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S44 Log Mag 10.00dB/ Ref 0.000dB

1	2.4000000 GHz	-18.598 dB
2	2.4500000 GHz	-29.779 dB
>3	2.5000000 GHz	-26.658 dB
4	5.1500000 GHz	-14.973 dB
5	5.5000000 GHz	-12.065 dB
6	5.8500000 GHz	-21.988 dB

Tr2 S44 SWR 500.0m/ Ref 1.000

1	2.4000000 GHz	1.2663
2	2.4500000 GHz	1.0722
>3	2.5000000 GHz	1.0974
4	5.1500000 GHz	1.4347
5	5.5000000 GHz	1.6642
6	5.8500000 GHz	1.1731

1 Start 2 GHz

IFBW 70 kHz

Stop 6 GHz

2013-08-06 10:07

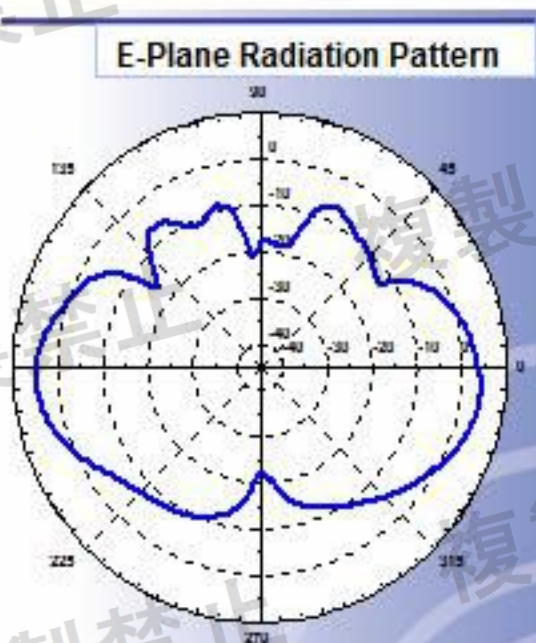
ADD：东莞市虎门镇大宁麒麟东路6号

Tel:15818375487

增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



ADD：东莞市虎门镇大宁麒麟东路6号

Tel:15818375487

Antenna Matching Network

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	47.2	1.3
2410	48.1	1.6
2420	49.2	1.4
2430	48.8	1.4
2440	48.9	1.6
2450	49.3	1.6
2460	50.1	1.5
2470	48.8	1.6
2480	48.5	1.5
2490	47.3	1.4
2500	47.7	1.3