

东莞市速波电子有限公司

Dongguan Speedwave Electronics Co., Ltd

地址：东莞市虎门镇大宁浦江路 61 号

Address: No. 61, Pujiang Road, Daning, Humen Town, Dongguan City

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: Wi-Fi Antenna

产 品 型 号

PRODUCT MODEL: MX2458N-113B-60LX

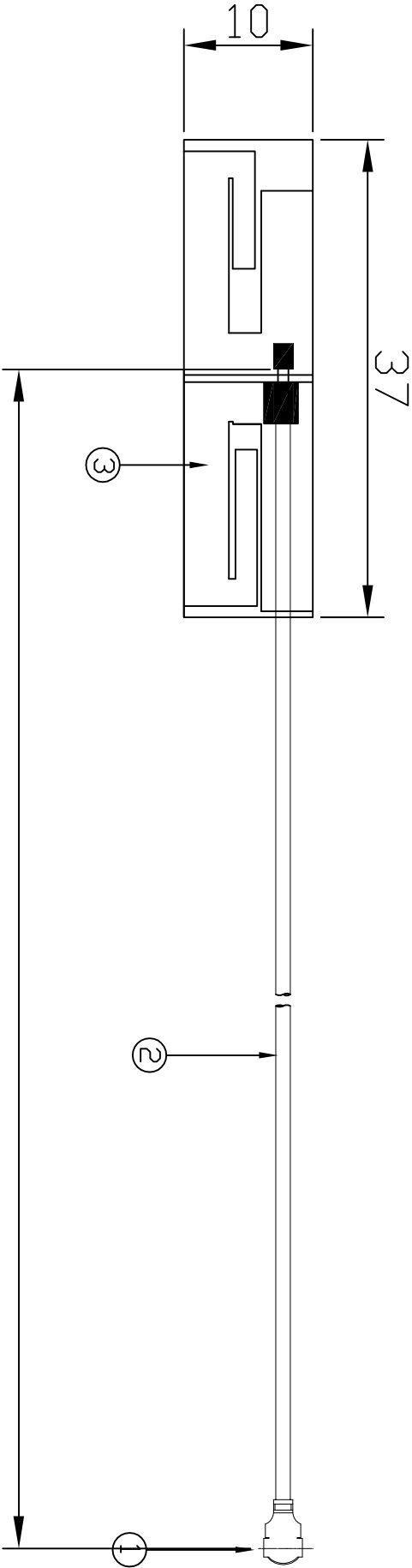
客 户 料 号

CUSTOMER P/N:

承认书项目表

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SIGN	DATE	DESCRIPTION	APPROVER
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60±3mm

3	MX2458N-A01	FPC	FPC 37*10*0.1mm	1
2	R-CB-113B	Coaxial Cable	O.D. 1.13mm Black	1
1	Cl-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

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TITLE:WIFI ANTENNA			
PART NO.: MX2458N-113B-60LX		DWG NAME:	
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance
jeff 2014-03-18	leon 2014-03-18	YD 2014-03-18	UNIT'S: mm SCALE: 1/1 REVISION: A
		X.X ±0.20 X.XX ±0.10 X° ±3°	

电性测试报告

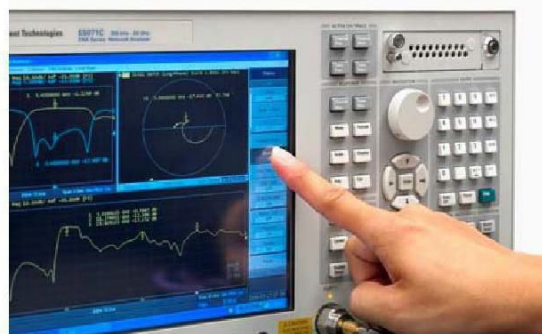
Test Reports

Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz 4900 ~ 5900 MHz
S.W.R.	≤ 2.0 @ 2400 ~ 2500 MHz ≤ 2.0 @ 4900 ~ 5900 MHz
Antenna Gain	$3.7 \pm 0.5\text{dBi}$
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Cable Loss	2 dB / m Max @ 5000 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	IPEX
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // 60 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C

S 参数测试

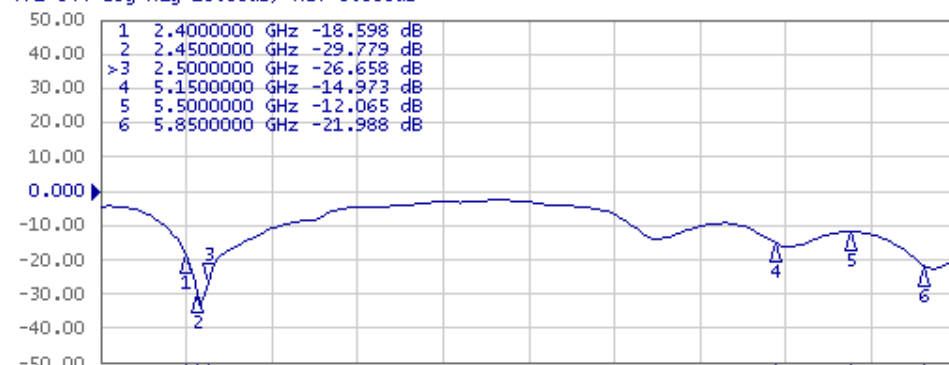
S Parameter Test

Agilent E5071C

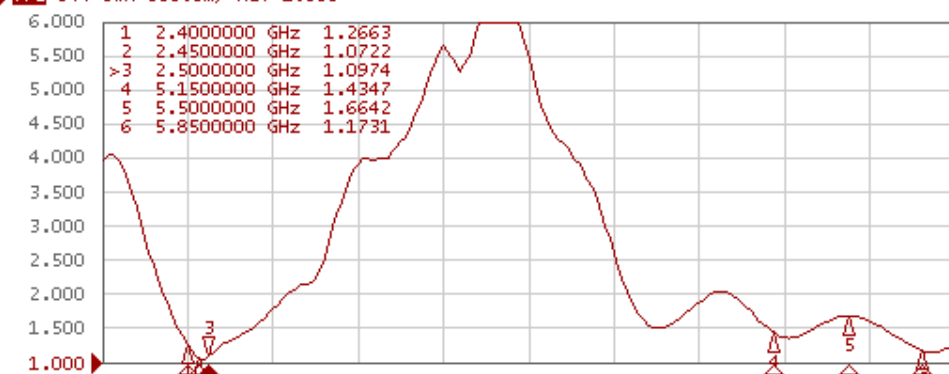


1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S44 Log Mag 10.00dB/ Ref 0.000dB



Tr2 S44 SWR 500.0m/ Ref 1.000



1 Start 2 GHz

IFBW 70 kHz

Stop 6 GHz

Off

Hold Stop ExtRef Ready Svc 2013-08-06 10:07

Trigger

Hold

Single

Continuous

Hold

All Channels

Continuous

Disp Channels

Trigger Source

Internal

Trigger Event

On Sweep

Trigger Scope

All Channel

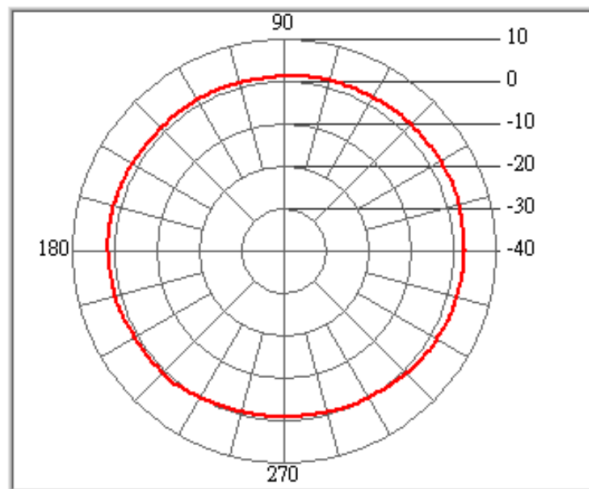
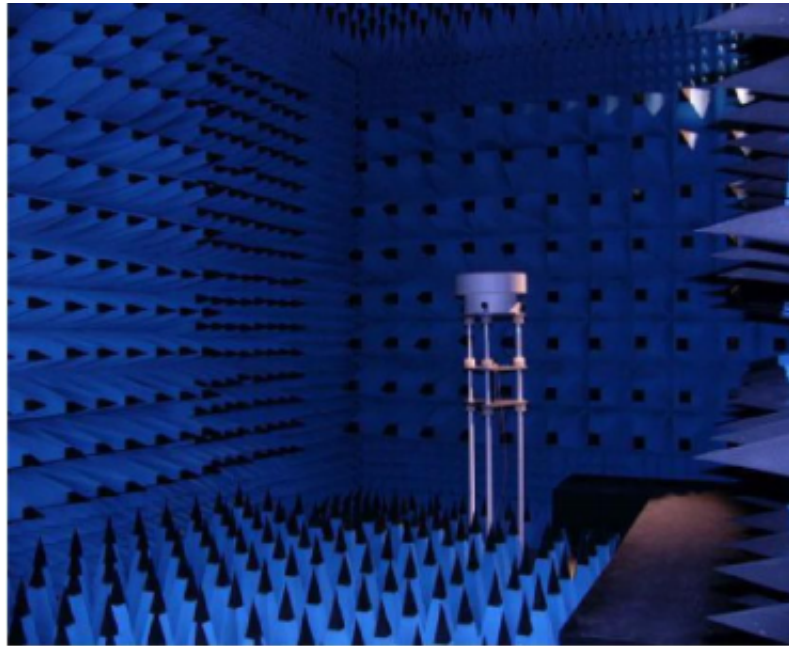
Restart

Tel:0769-33691210 Fax:0769-82381572

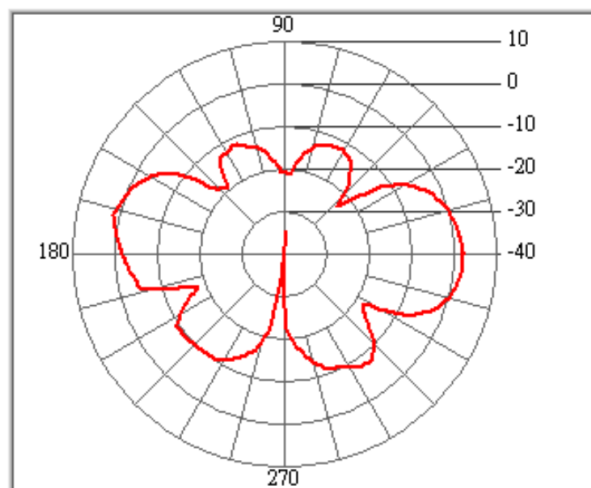
增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



5000



5000

Frequency(MHz)	2400	2410	2420	2430	3440	2450	2460	2470	2480	2490	2500
Peak Gain(dBi)	3.82	3.85	3.88	3.87	3.91	3.97	3.95	3.92	3.93	3.87	3.89
Frequency(MHz)	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900
Peak Gain(dBi)	3.65	3.66	3.68	3.71	3.70	3.73	3.69	3.67	3.72	3.65	3.74