



深圳市联笙科技有限公司

ShengZhen LianSheng Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 Date 2018/08/16

编号 File No SA000606

版本 Revision 1.0

客户

CUSTOMER:

慧为

客户料号

CUSTOMER NO:

品名

副 WIFI Antenna L总=349MM

供方料号

LSF.A834.B081.04

送样日期 Date:

送样数量 Q"TY:

PCS

客户确认 CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

WenXue

ChenXingcheng

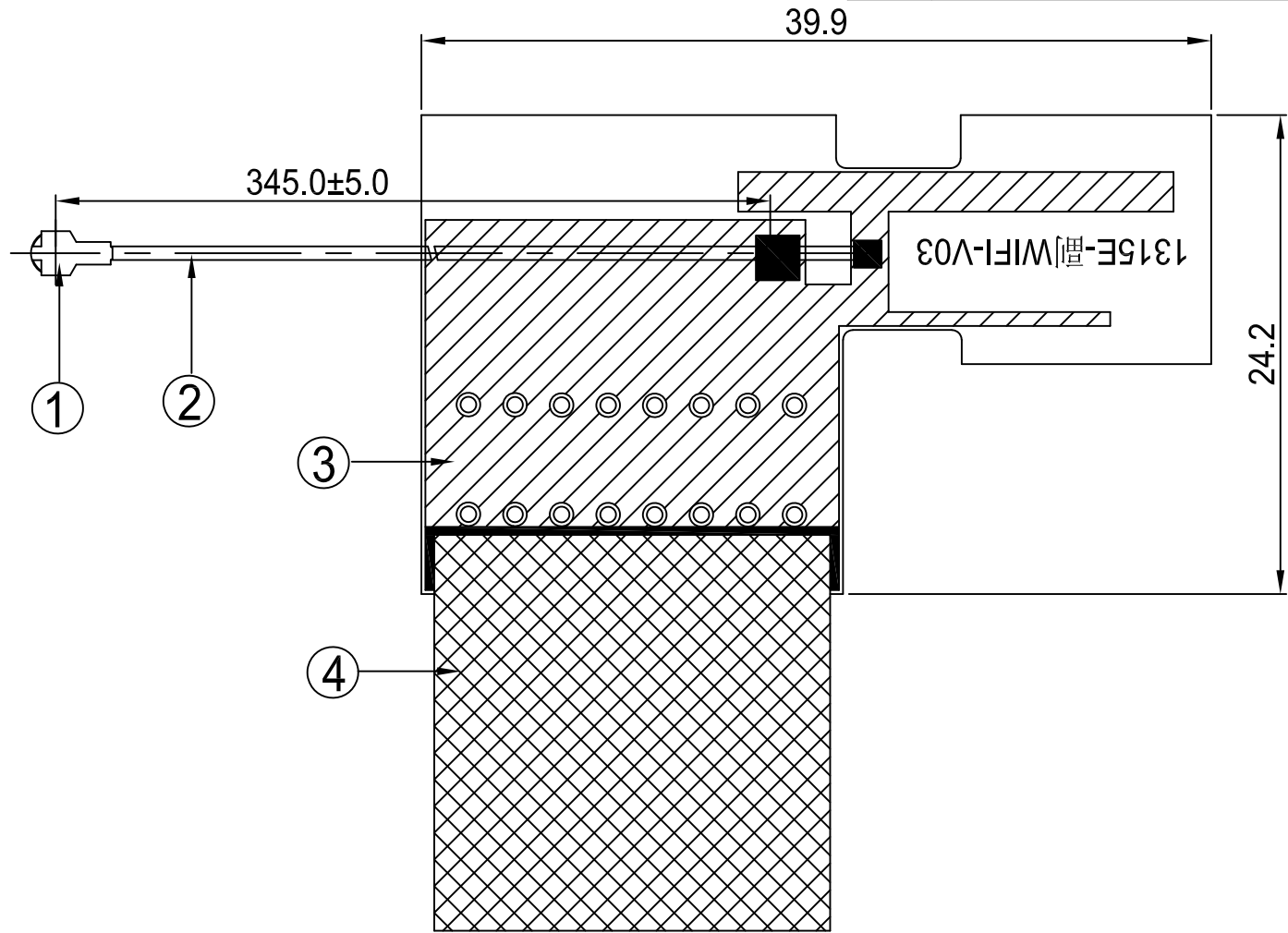
承认书项目表

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12	-	-	-
13	-	-	-

RoHS
Compatible

CUSTOMER	
PART NO	1315E

REV.	DESCRIPTION	DATE
△	首次发行	2018.08.16



4	Conductive Fabric	20.0*20.0MM	Fabric	FAB100XXA.P01	1
3	FPCB	39.9*24.2MM	FPCB	FPC100XXA.P01	1
2	Coaxial Cable	O.D.0.81 Black	O.D.0.81	COA100XXA.P01	1
1	Mini Connector	Au Plated 4代	Cu	TER10004A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY


深圳市联笙科技有限公司 Tel:0755-82885545
 ShengZhen LianSheng Technology Co.,Ltd. MP:13823198410

PART NAME: 副WIFI Antenna L=345mm MHF
PART NO.: LSF.A834.B081.04 **DATE:** 2018-08-16

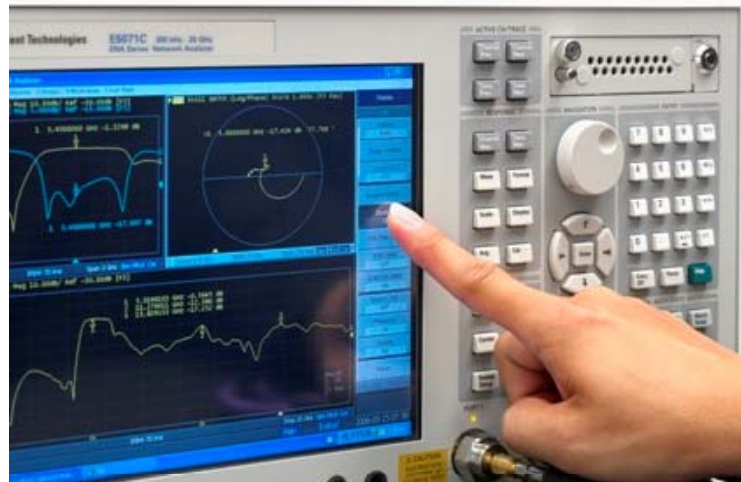
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
陈国强	文雪	汪婷	
UNITS: mm SCALE: 1/1 REVISION: A			

天线规格

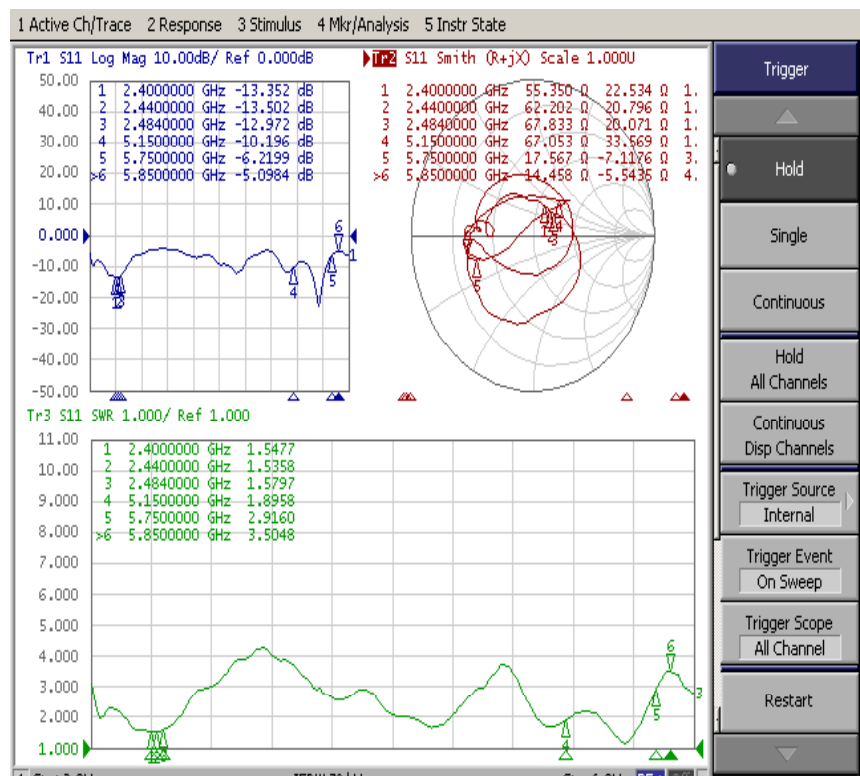
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	See Page 5
Return Loss	See Page 5
Radiation	Omni-directional
Gain (Peak)	See Page 7 ~ 8
Polarization	Linear
Connector	4代IPEX
Physical Properties	
Antenna Material	FPC
Cable Type	O.D.0.81mm//L=345mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

Agilent E5071B



S Parameter Test // WIFI副

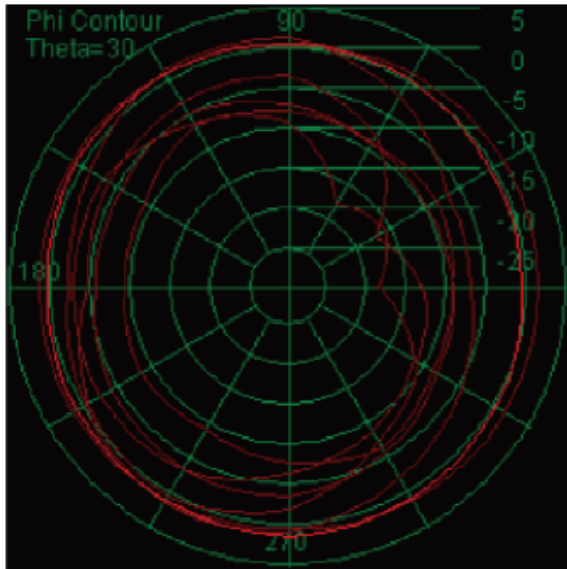


Antenna Passive Test

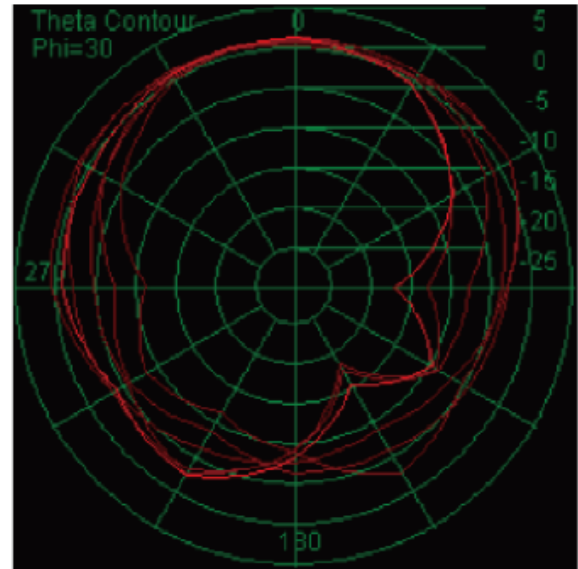


2.4G Patten

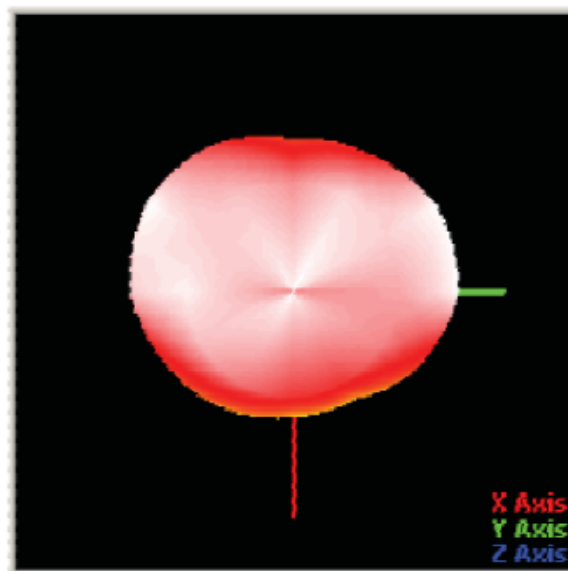
XZ Plane



YZ Plane

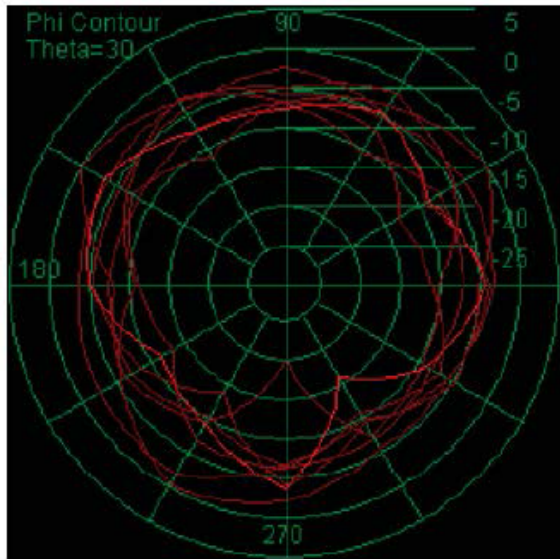


3D

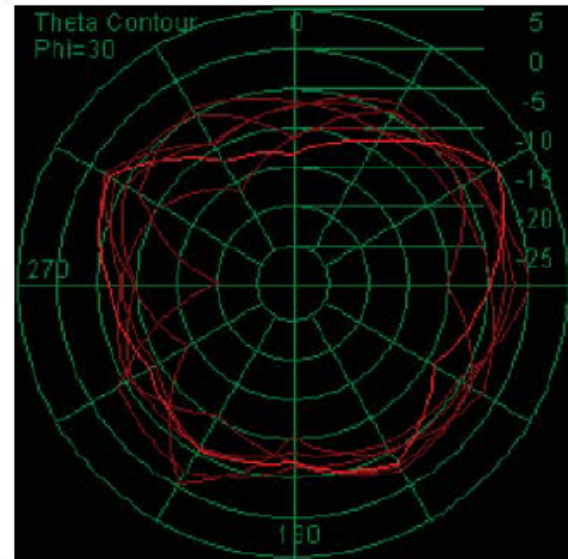


5G Patten

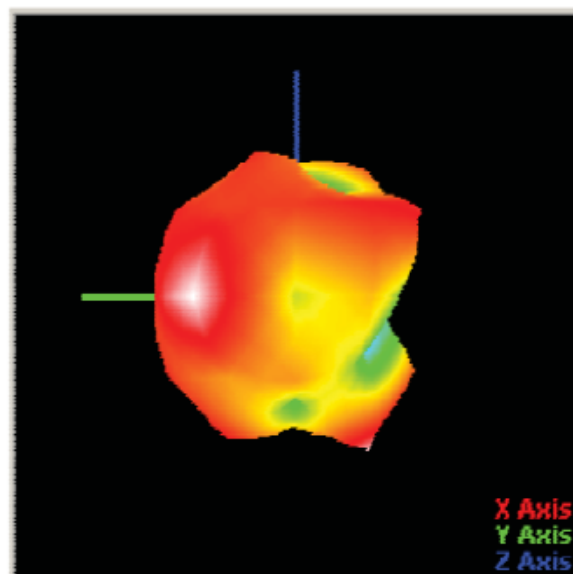
XZ Plane



YZ Plane



3D




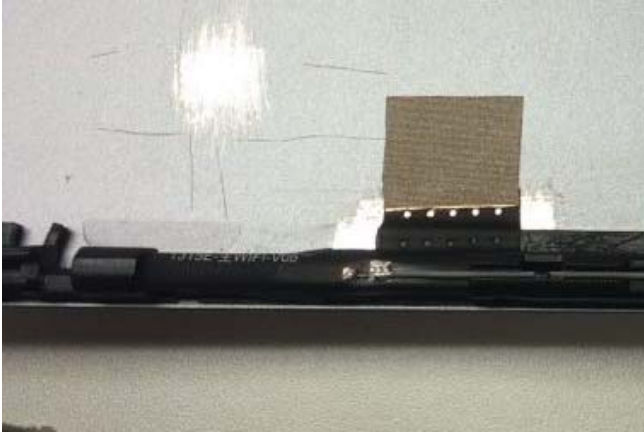
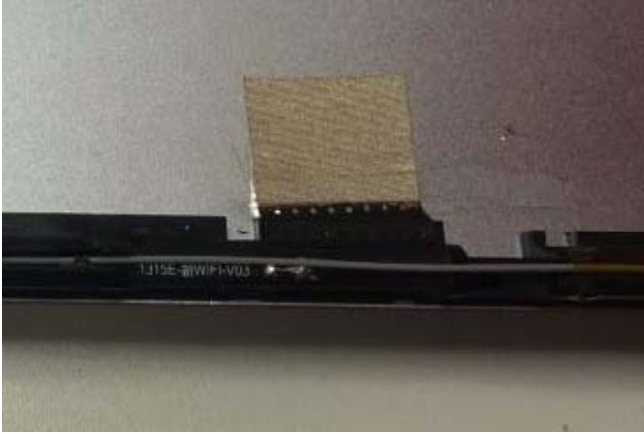
Passive Test For WiFi (2.4G) – 副

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	26.4	-5.8	-1.9
2410	26.3	-5.8	-2.1
2420	26.6	-5.8	-2.7
2430	25.6	-5.9	-2.5
2440	25.5	-5.9	-3.3
2450	24.7	-6.1	-2.8
2460	24.2	-6.2	-2.4
2470	23.7	-6.3	-2.2
2480	22.9	-6.4	-2.8
2490	22.8	-6.4	-2.8
2500	21.9	-6.6	-3.3

Passive Test For WiFi (5.8G) – 副

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	27.9	-5.5	1.2
5200	26.2	-5.8	1.1
5250	29.2	-5.3	1.5
5300	25.8	-5.9	1.7
5350	24.1	-6.2	1.6
5400	21.5	-6.7	1.6
5450	17.0	-7.7	1.9
5500	16.9	-7.7	2.0
5550	17.0	-7.7	2.1
5600	18.3	-7.4	2.2
5650	22.8	-6.4	3.0
5700	24.1	-6.2	1.4
5750	29.0	-5.4	2.0
5800	24.1	-6.2	1.4
5850	23.5	-6.3	1.8

Antenna Profile

<p><i>Device</i></p>		
<p><i>Antenna</i></p>	<p>WIFI 主</p>	
<p>WIFI 副</p>		

Assembly Drawing

