

承认书

Customer: _____

Customer P/N: _____

Zhongchi P/N: **ZCA0827-15B08SM**

Description : **4G Antenna**

Zhongchi Checked By:	Customer Approved By:

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Product Number: ZCA0827-15B08SM

Product Name: Antenna

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	698~960MHz/1710~2700MHz
V.S.W.R.	$\leq 5.0 / \leq 3.0$
Antenna Gain	1.0dBi / 2.0 ± 1.0 dBi
Polarization	Linear
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Material of Plastic	Body1: ABS Body2: POM
Cable Type	/
Connector Type	RP-SMA Plug(公头公针)
Connector Pull Test	≥ 5 Kg
Connector Torque Test	300~1000 g.cm
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

2. Characteristics and Reliability Test

Test Items		Test Condition and Procedure	Requirements
C1	V.S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C2	Antenna	Set DUT on Antenna Chamber; make individual	Directive DUT specification

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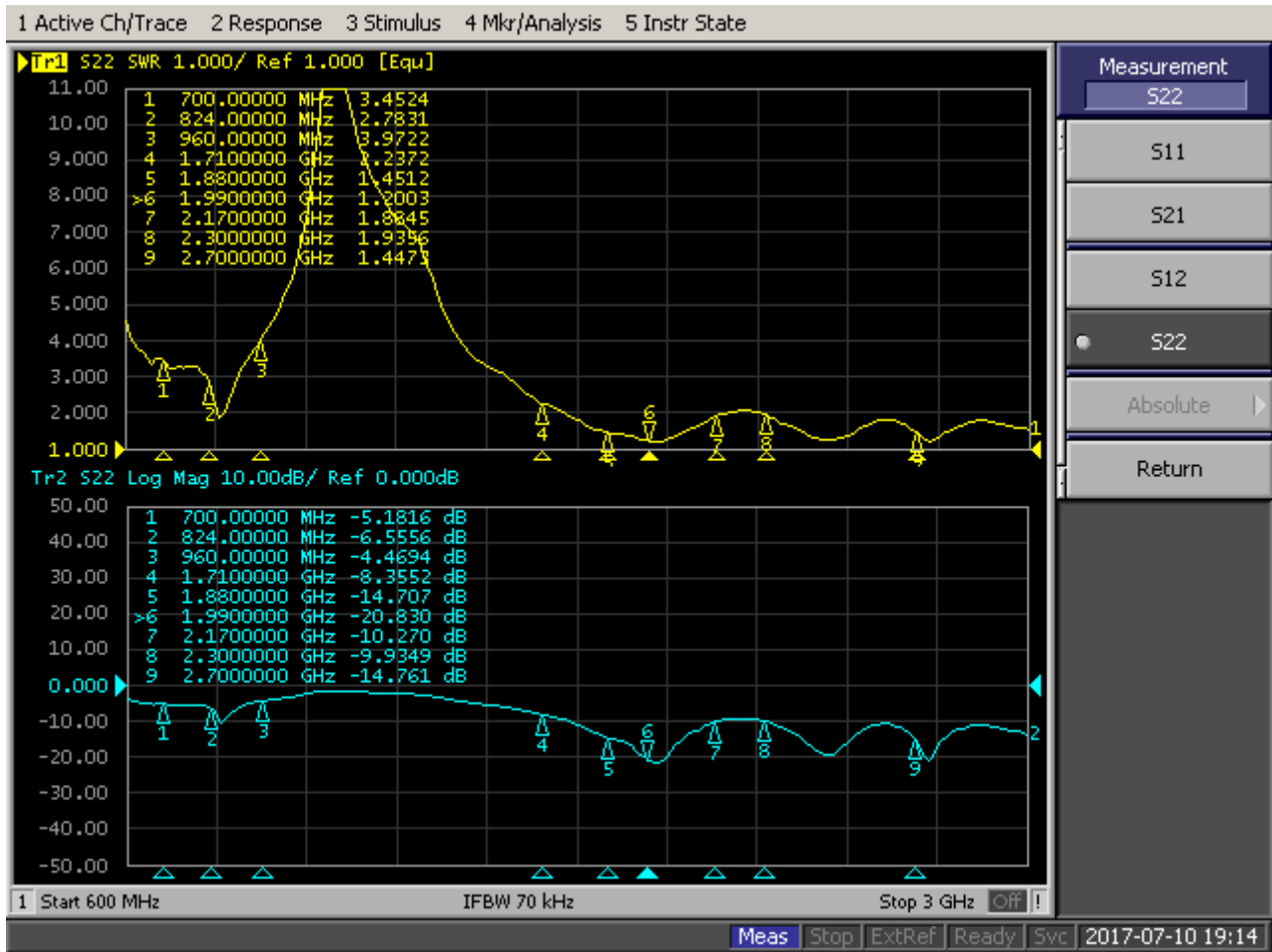
Product Name: Antenna

	Gain	calibration to test	
M1	Vibration	MIL-STD-202G, 201A Amplitude: 0.03 inch (0.76mm); Freq: 10 to 55 Hz 3 directions; 2 hours for each direction	1. No Visual Damage 2. Frequency Tol.<= 5%
M2	Random Drop	Height: 1.5 Meter; 3 directions; 1 time for each direction	1. No parts separated 2. Frequency Tol.<= 5%
M3	Solderability	MIL-STD-202G, 210F, cond. A Solder iron: 350±10°C; Duration: 5 seconds	1. Mounted on PCB 2. No Visual Damage
M4	Terminal- Pull Test	MIL-STD-202G, 211A, cond. A Holding with individual specification; force applied to axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M5	Terminal- Torque Test	MIL-STD-202G, 211A, cond. E Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M6	Dimension	Inspection of dimension, color, material, package, surface process	Directive DUT specification
E1	Salt Spray	MIL-STD-202G, 101E, cond. B Temp: 35°C; RH: >= 95%; NaCl solution: >= 5%; Time: 48 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E2	Humidity	MIL-STD-202G, 103B, cond. B Temp: 40°C; RH: >= 95%; Time: 48 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E3	Thermal Shock	1 Cycle: - 40°C (30 minutes) to + 80°C (30 minutes) Cycles: 24	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E4	Life (High Temp.)	MIL-STD-202G, 108A, cond. A Temp: 85°C; Time: 96 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2002/95/EC
R2	PFOS	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC
R3	PFOA	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC

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3. Antenna - S Parameter Test Data

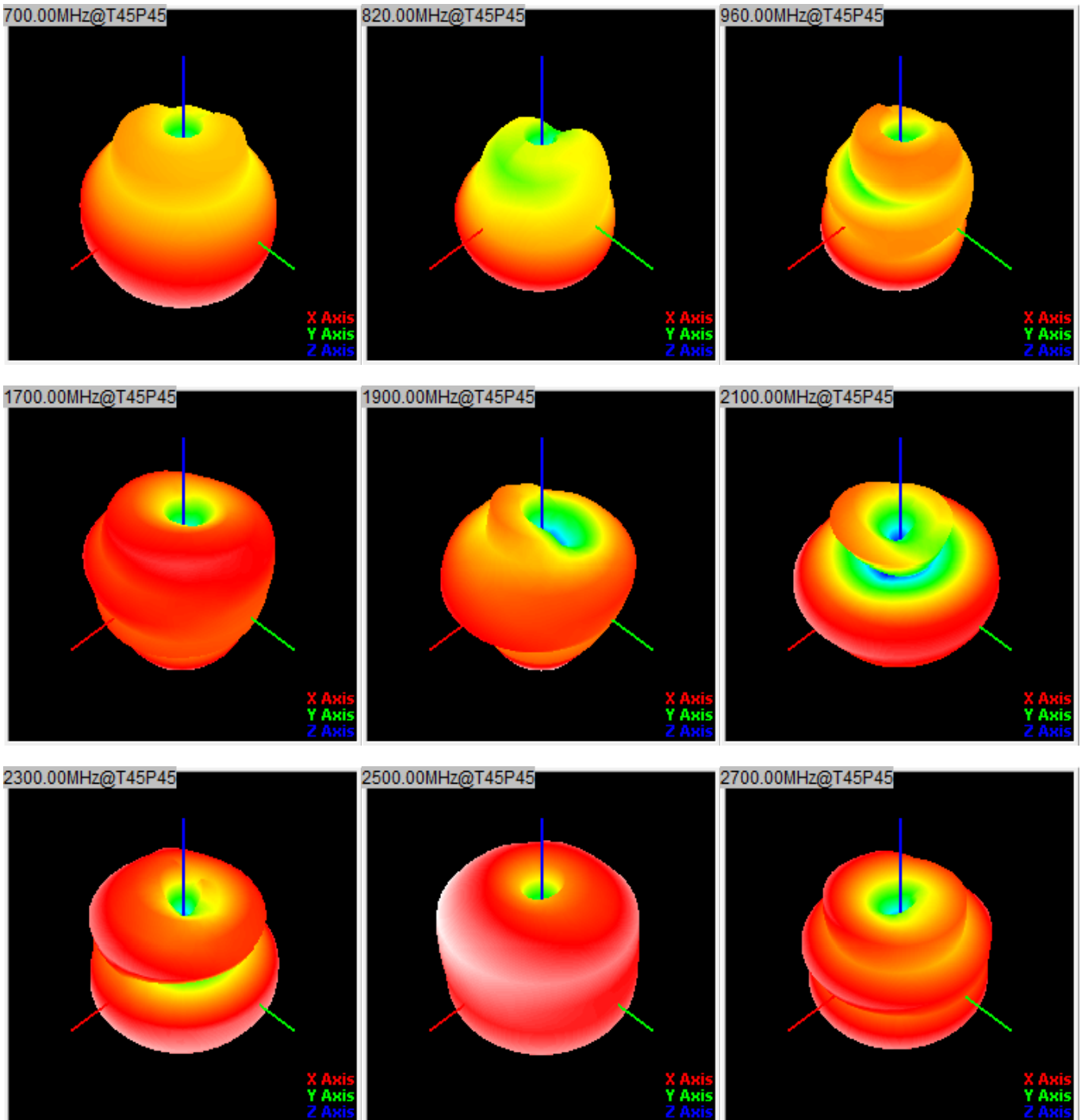


4. Antenna - Radiation Pattern Test Data

Frequency (MHz)	700.0	820.0	960.0	1700.0	1900.0	2100.0	2300.0	2500.0	2700.0
Efficiency (%)	34.70	35.70	32.00	54.90	52.60	55.30	55.90	76.70	51.30
Gain (dBi)	-0.10	1.50	0.82	2.81	3.52	3.22	1.32	2.36	1.13

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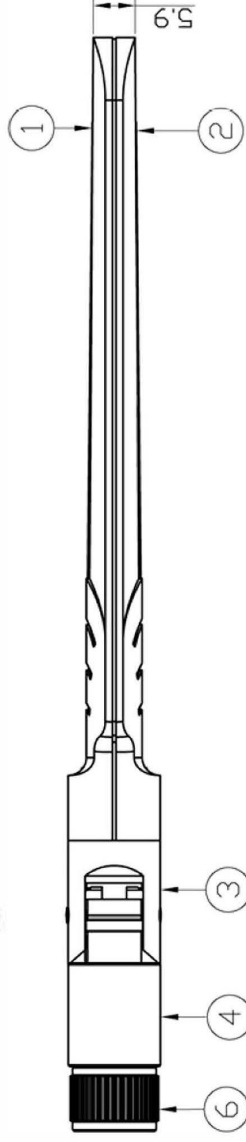
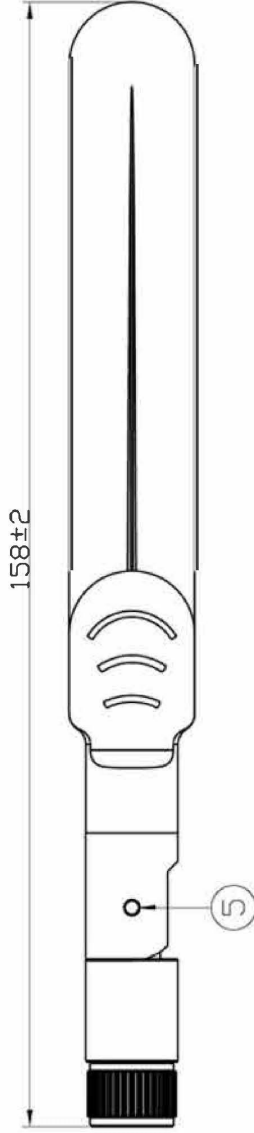
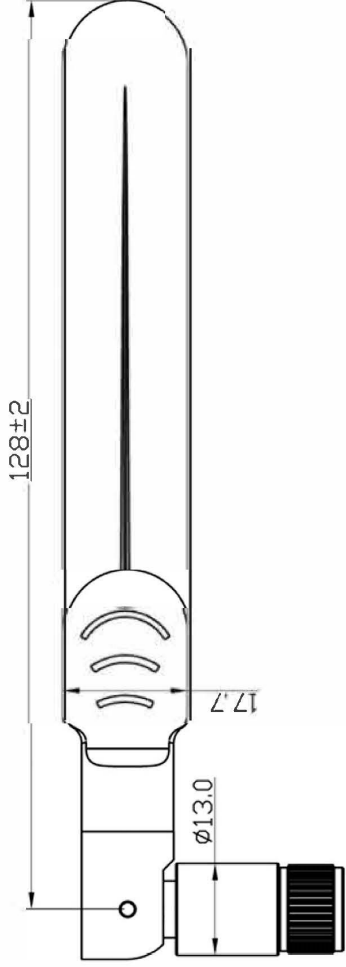


5. Mechanical Drawing (See attached files)

RoHS

Compatible

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



No.	Name	Material	Finish	Q'ty
6	RP-SMA (公针)	POM	Black	1
5	Hinge Pin	POM	Black	2
4	Body3	ABS	Black	1
3	Body2	ABS	Black	1
2	Body-B	ABS	Black	1
1	Body-A	ABS	Black	1

东莞市众驰电子有限公司

TITLE: 4GHz Antenna

PART NO.: ZCA0827-15B08SM DWG NAME:

APP BY: CHK BY: RF BY: DES BY:

UNITS: mm

SCALE: 1/1

REVISION: A

產品包裝規範

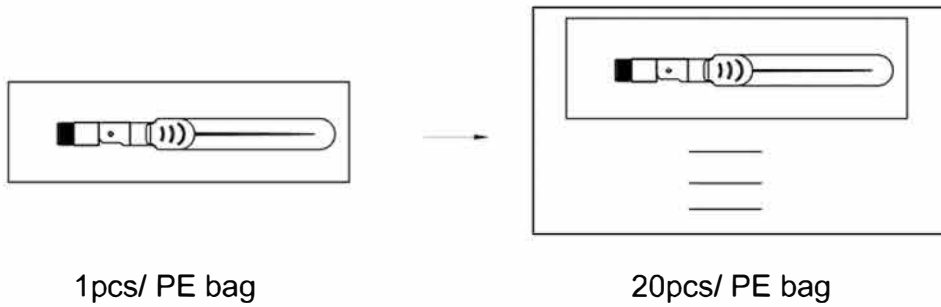
PACKING CRITERION

Date: 2018.12.10

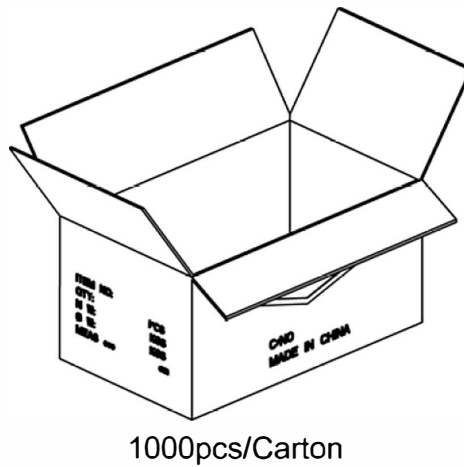
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Part Number : ZCA0827-15B08SM	Revision : A
Name: 4G Antenna	Customer : ALL

1. Enter PE bag.



2.PACKING.



3. SEALING.

