

零件承認書

Approval Sheet

客戶名称: _____

产品料号: ZC-AN2400-1201BSM-CU

产品名称: 2.4G Antenna

SMA180 度公头公针

供应商确认		
审核	制作人	日期
張禮波	楊興凱	2019.04.15

客戶簽署		
品保	工程	采购

东莞市众驰电子有限公司

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1. Revision History

Revision	Date	Change Notification	Description
1.0	2020.07.08	初版	

2. Specification

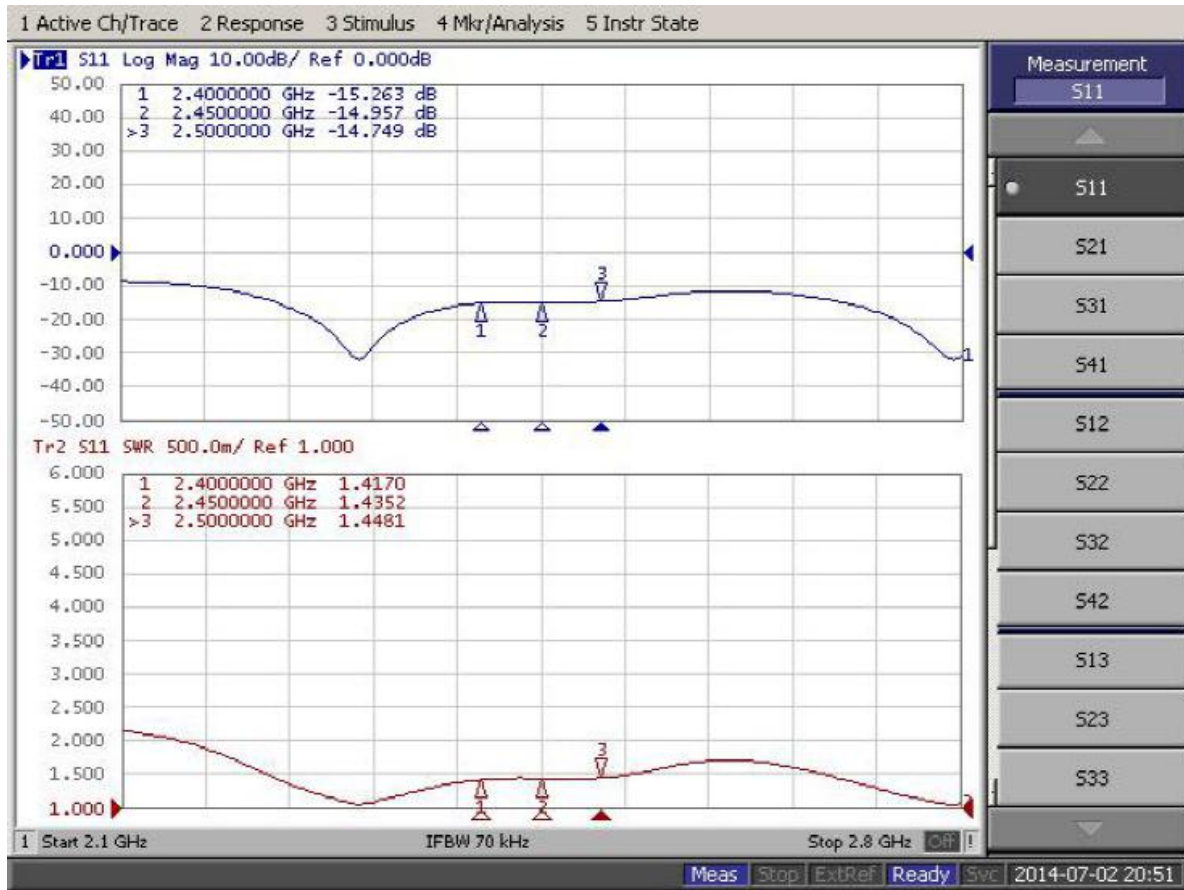
Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz
S.W.R.	≤ 2.0 @ 2400 ~ 2500 MHz
Antenna Gain	5.0 +/- 0.7 dBi @ 2400 ~ 2500 MHz
Efficiency(%)	74 % @ 2400~2500 MHz
Radiation Pattern	Omni-Directional
Max Input Power	≥ 2 W
Polarization	Linear
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	CU
Material of Plastic	Body1: TPEE Body2: PC+PBT Body3: PC+PBT Body5: POM
Cable Type	RG-178U
Connector Type	SMA Male
C. Environmental	
Operation Temperature	- 40 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 80 °C
Antenna Color Storage life	< 2 year

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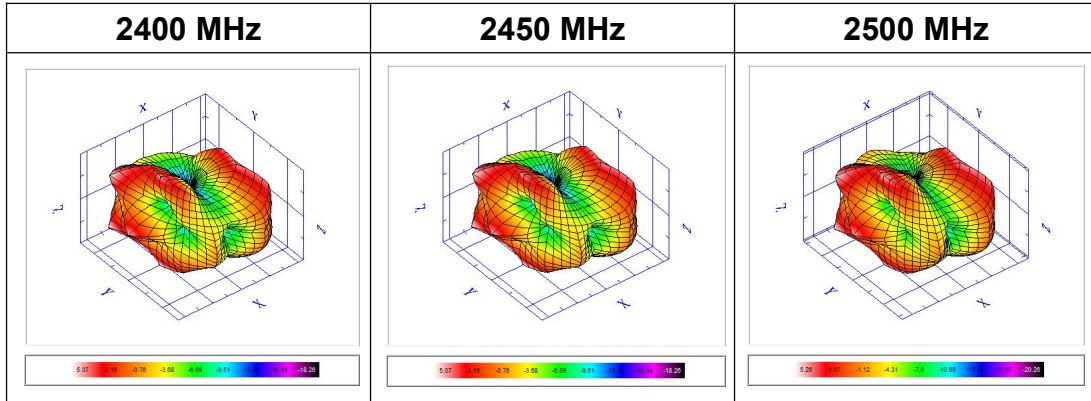
3. Characteristics and Reliability Test

Test Items		Test Condition and Procedure	Requirements
C1	S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C2	Antenna Gain	Set DUT on Antenna Chamber; make individual calibration to test	Directive DUT specification
E1	Salt Spray	GB / T 2423 . 17- 93 Temp: 35°C; RH: >= 95%; NaCl solution: >= 5%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E2	Humidity	GB / T 2423 . 4 - 93 Temp: 80°C / 12 H; -40°C / 12H RH: >= 90%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E3	Thermal Shock	GB / T 2423 . 22 - 87 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.)	GB /T 2423 . 2 - 89 Temp: 80°C; Time: 24 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 2011/65/EU
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

4. Antenna - S Parameter Test Data



5. Antenna - Radiation Pattern Test Data

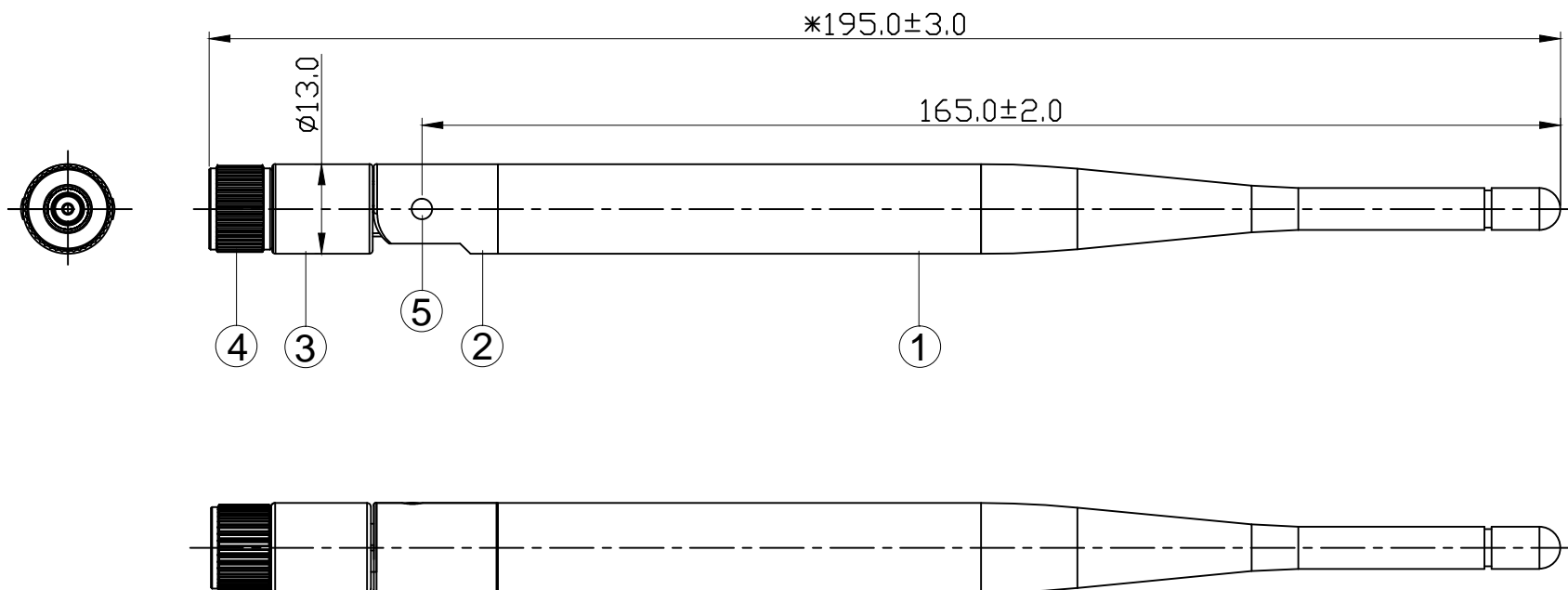


FEITUKEJI			
Frequency ID	1	2	4
Frequency (MHz)	2400	2450	2500
Tot. Rad. Pwr. (dBm)	-1.32	-1.66	-2.06
Peak EIRP (dBm)	4.08	4.15	4.33
Directivity (dBi)	5.4	5.8	6.4
Efficiency (%)	73.85	75.15	70.16

RoHS

Compatible

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



Note:

1. Take " * " is the important dimension.
2. Tolerance: Unmarked tolerance refer to the standard tolerance please.

5	Body-4	转轴	POM	黑色	2
4	SMA Male	SMA公头公针	Cu	电着黑色	1
3	Body-3	连接头	PC+PBT	黑色	1
2	Body-2	连接筒	PC+PBT	黑色	1
1	Body-1	天线塑胶本体	TPEE	黑色	1
No.	Part Number	Description	Material	Finished	Q'ty

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TITLE: 2.4GHz 5dBi Antenna

PART NO.: ZC-AN2400-1201BSM-CU

CUSTOMER P/N: /

APP BY	CHK BY	RF BY	DES BY	UNITS: mm	Tolerance
			ZLB	SCALE: 1/1	X.X ±0.3
			2020.07.08	REVISION: A	X.XX ±0.2
					X° ±1

产品包装规范

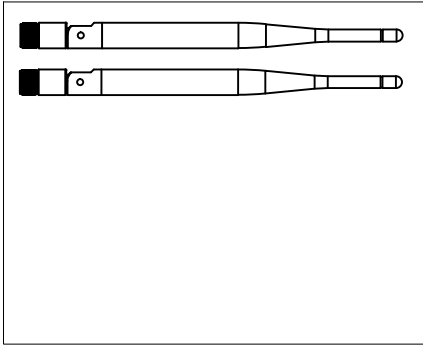
PACKING CRITERION

Date: 2020.07.08

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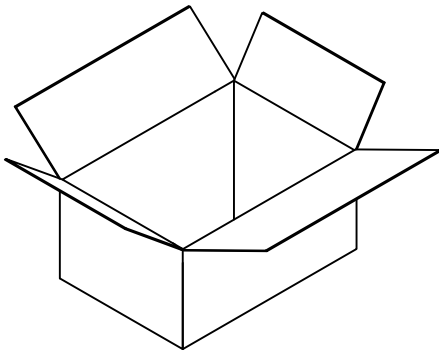
Part Number : ZC-AN2400-1201BSM-CU	Revision : A
Name: 2.4GHz Antenna	Customer : ALL

1.Enter the PE Bag ◦



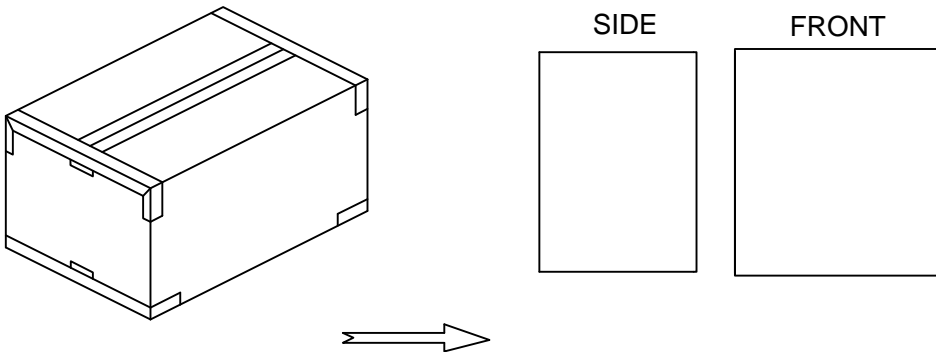
SIZE:160x240mm
20PCS/PE Bag

2.PACKING ◦



SIZE:44.0x30.0x30.0cm
500PCS/BOX

3. SEALING ◦



SIDE FRONT

APPROVED BY : _____ CHECKED BY : _____ DESIGNED BY : ZLB