



东莞市超威电子有限公司

Chaowei Electronics CO.,LTD

规格书

客 户:

品 名:

2.4G Antenna

料 号:

CW-2.4G395B-SMAMF

客户料号:

送样日期:

2018.08.18

客户确认			供应厂商	
工程部	品保部	采购部	核准	送样人
			赵 2018.08.18 亚 军	宋坤玲

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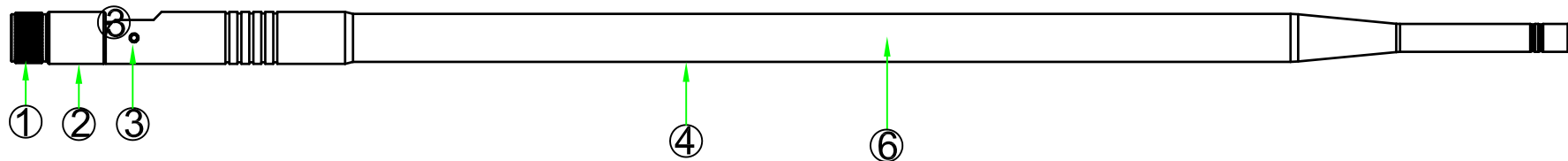
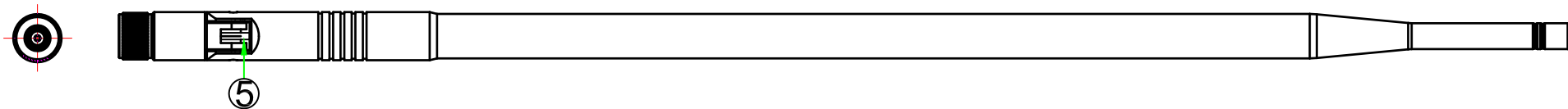
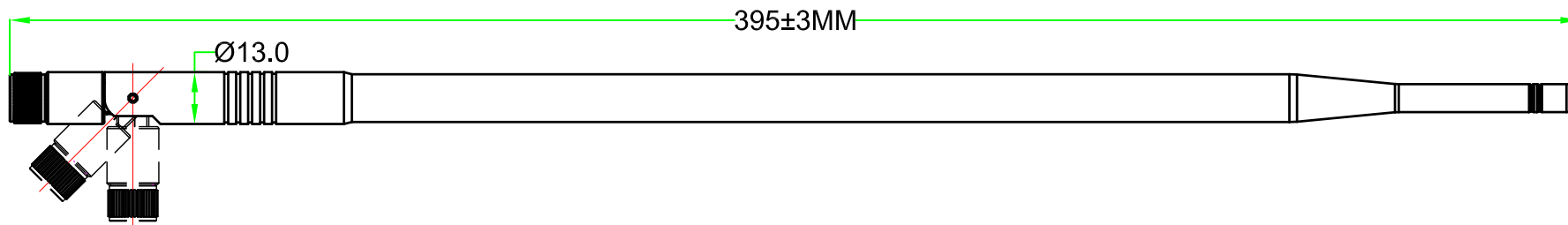
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RoHS

SIGN	DATE	DESCRIPTION	APPROVER
△			JimXiao
△			
△			



东莞市超威电子有限公司

产品名称	2.G Antenna-9dBi			
产品料号	CW-2.4G395B-SMAMF			
缩放比例	NONE	单位	MM	 
核准人	审核人	制图人	尺寸公差	REV.
赵 2018.08.18 亚军	冯 2018.08.18 大想	汪 2018.08.18 明	x, ±0.5 x, x ±0.1 x, xx ±0.05 x ° ±1°	A

6	CW-ANT2.4G-3	Spring	Brass	3
5	CW-RG-178U	Coaxial Cable	RG178 L=63mm 透明红色	1
4	CW-ANT395B	Body	ABS Black	1
3	CW-ANT03B	Pin	Cu Black Zn Plated	2
2	CW-ANT02B	Body1	PA+ABS Black	1
1	CW-RPSMAM-01B	RP SMA Male	Brass Black	1
No.	Part Number	Name	Material	Q'ty

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- 1. Reliability Testing**
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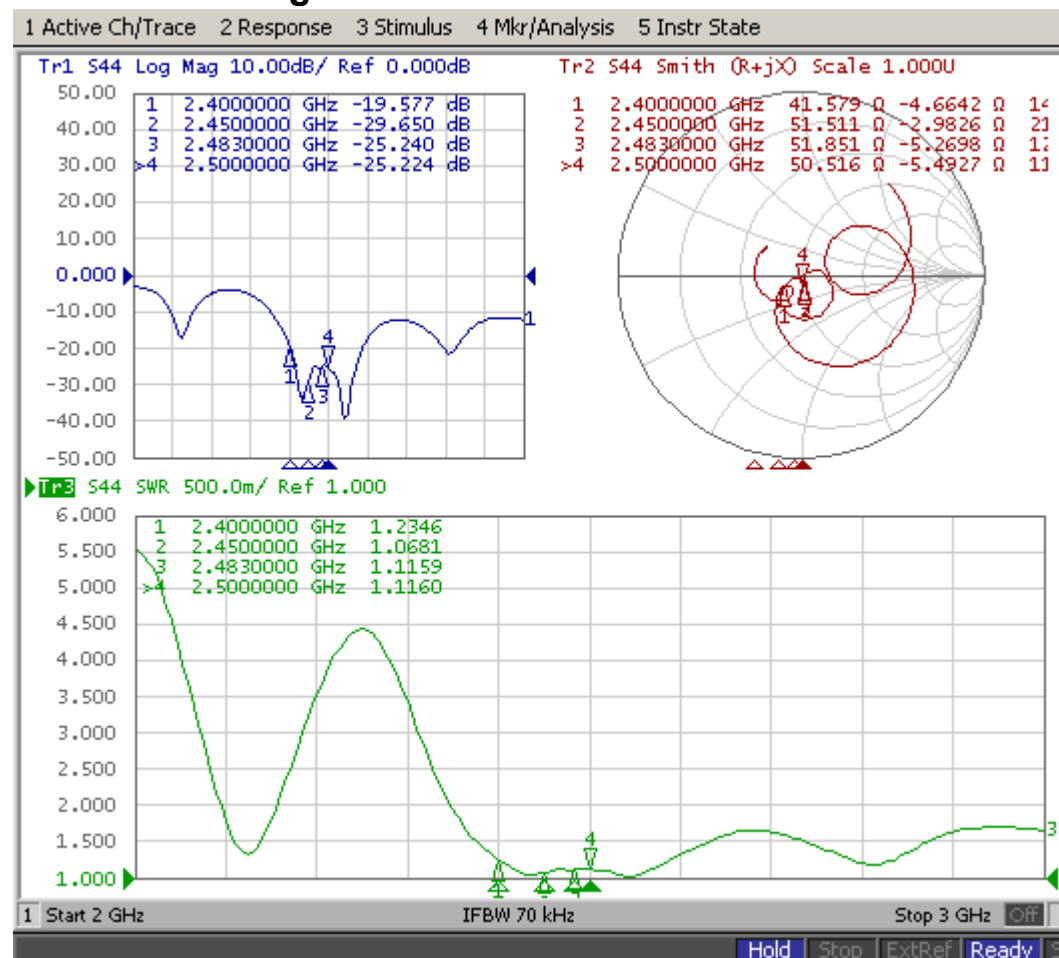
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 80°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$
4. Endurance	24 hours at 80°C	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$
5. Connector Pull Strength Test	≥ 1.0 Kg	Hold 2~3S: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$

2. Specification

A. Electrical Characteristics	
Working Frequency	2400-2500MHz
S.W.R	<2.0
Typical Antenna Gain	9dBi
Polarization	Vertical
Impedance	50 Ohm
B. Material	
Material of Coaxial Cable	RG178
Material of Plastic	TPEE
Connector Type	SMA
C. Environmental	
Operation Temperature	- 45 °C ~ + 85 °C
Storage Temperature	- 45 °C ~ + 85 °C

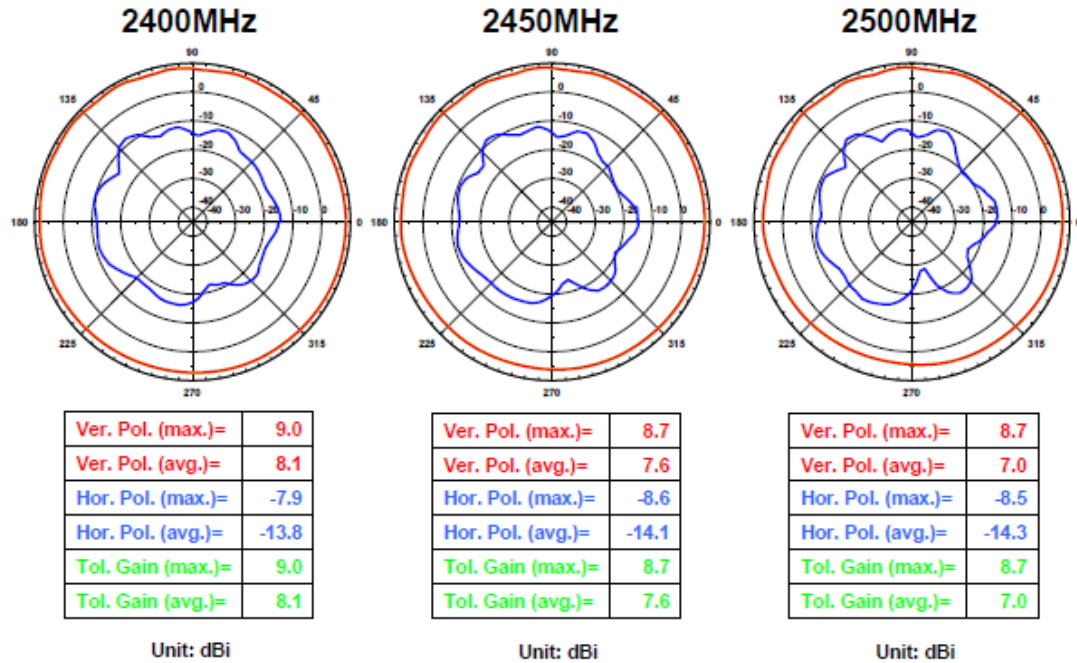
3. S.W.R. Testing Result



4. Antenna Radiation Pattern

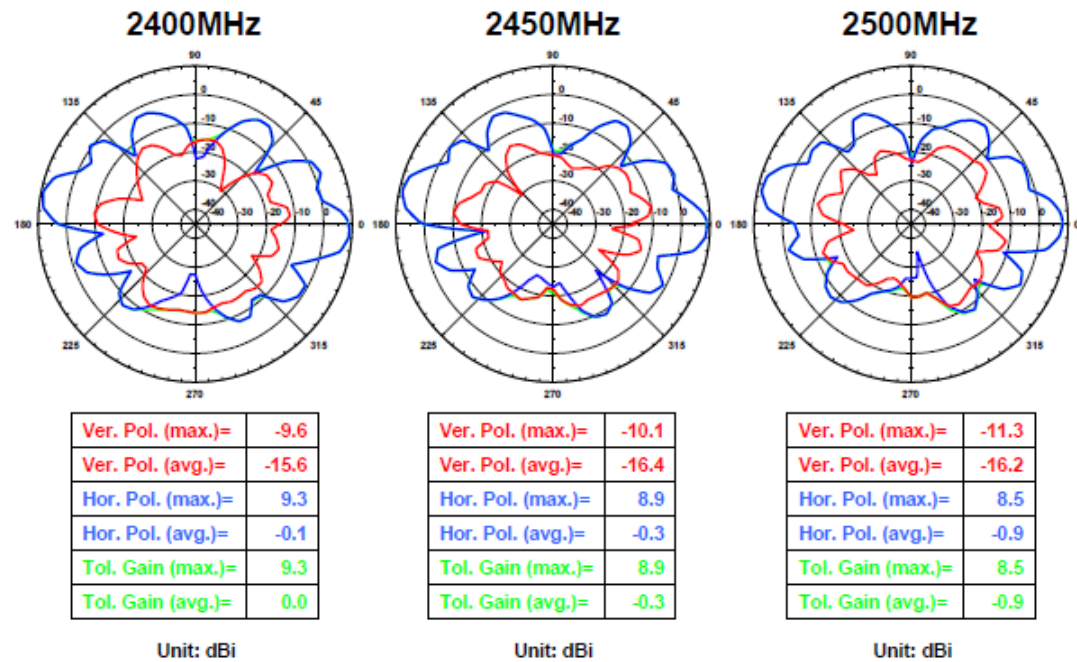
Electrical Performance-Radiation Pattern and Gain

H-Plane



Electrical Performance-Radiation Pattern and Gain

E-Plane



Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna

