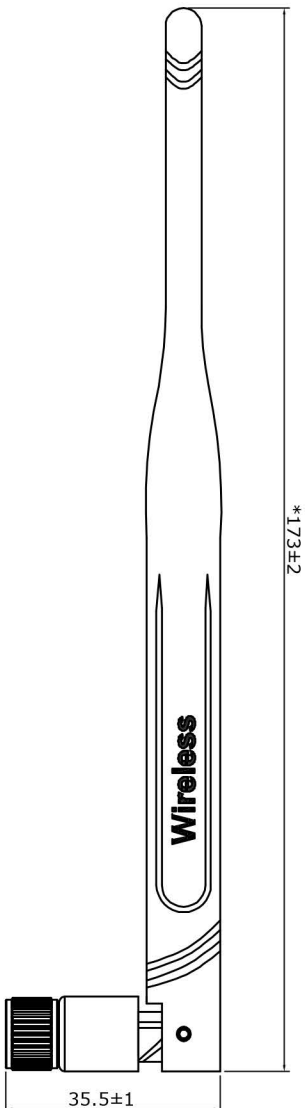
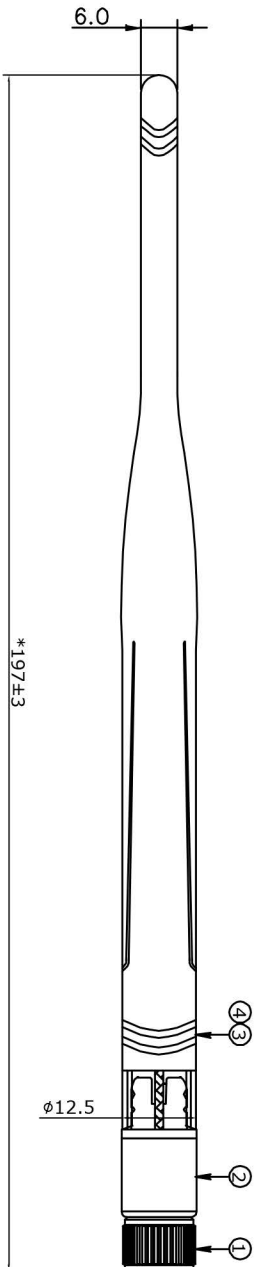


RoHS

Compatible

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



序號	名稱	規格	數量
1	SMA公頭母針	銅 電鍍 內酸洗	1PCS
2	連接頭	ABS 黑色	1PCS
3	連接筒	ABS 黑色	1PCS
4	本體	TPE 黑色	1PCS

		台灣威海尼可	
		TITLE: 5dBi黑色雙頻天線 (2.4/5GHz)	
PART NO: WLD1-5024-05-05			
APPROVED BY	CHECKED BY	DESIGNED BY	UNITS: mm
		Wanghuiqin	SCALE: 1/1
		2011/10/28	REVISION: A
Tolerance			X.X ±0.1
			X.XX ±0.05
			X° ±1°

Product Number: WLD1-5024-05-05
Product Name: 5dBi黑色雙頻天線 (2.4/5GHz)

Index:

1. Reliability Testing
2. Specification
3. SParameter Test Data
4. Antenna Radiation Pattern

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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 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ±5%
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

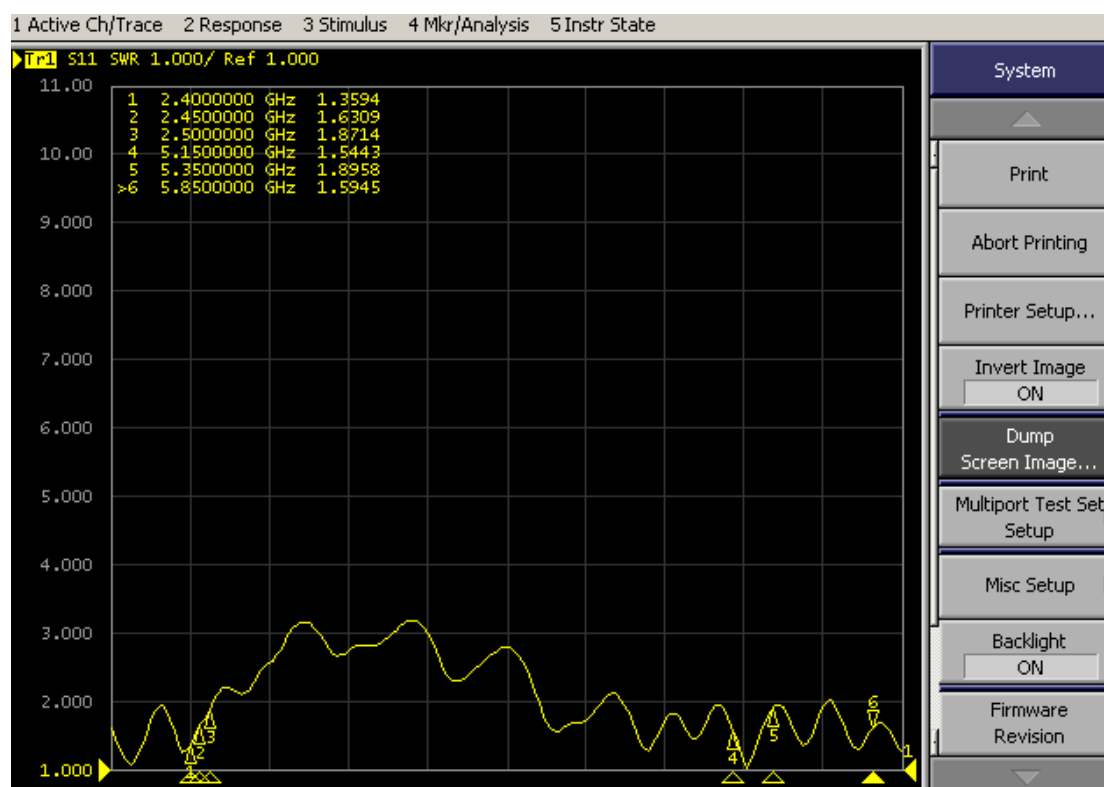
2. Specification

Product Number: WLD1-5024-05-05

Product Name: 5dBi黑色雙頻天線 (2.4/5GHz)

A. Electrical Characteristics	
S.W.R.	2400~2500MHz: ≤ 2.0 5150~5850 MHz: ≤ 2.0
Antenna Gain	2.4G: 5 ± 0.5 dBi 5.8G: 5 ± 0.5 dBi
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	RP SMA Male
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S Parameter Test data



Product Number: WLD1-5024-05-05

Product Name: 5dBi黑色雙頻天線 (2.4/5GHz)

4. Antenna Radiation Pattern

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

