

# 承 認 書

## APPROVAL SHEET

CUSTOMER: 宇智網通股份有限公司

CUSTOMER MODEL NO.:0525-1021108142

JOYMAX MODEL NO.: IWX-241XRSXX-999

DESCRIPTION #241X Replacement Antenna

REV.: 01

DATE 2008/7/29

Customer Approval	Joymax Approval

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• 泡殼	
• 紙箱	

## Modification History:

Rev.	Date	Content
00	2006/02/09	

3		2		1	
Rev	Zone	Description	ENG	Approved	Date

F F

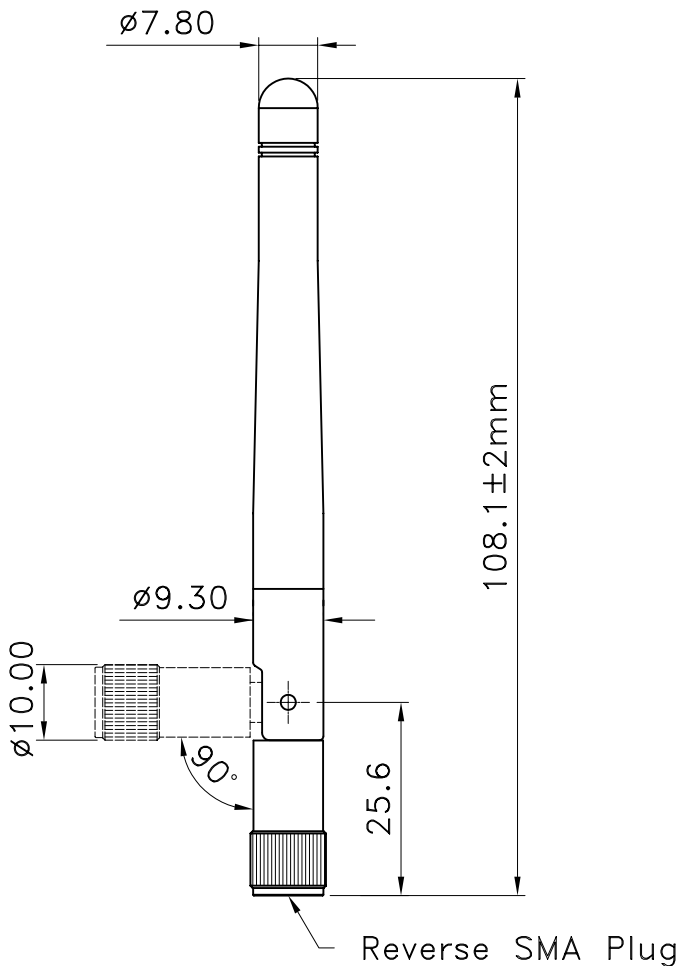
E E

D D

C C

B B

A A



Electrical Properties	
Frequency Range	2.4/2.4835 GHz
Impedance	$50\Omega$
V.S.W.R.	$\leq 2.0$
Radiation	Omni
Gain	2dBi
Polarization	Vertical
Mechanical Properties	
Whip	PU/PC
Connector	Brass
Weight	11 g (est)
Operating Temp	$-20^\circ\text{C} \sim +65^\circ\text{C}$

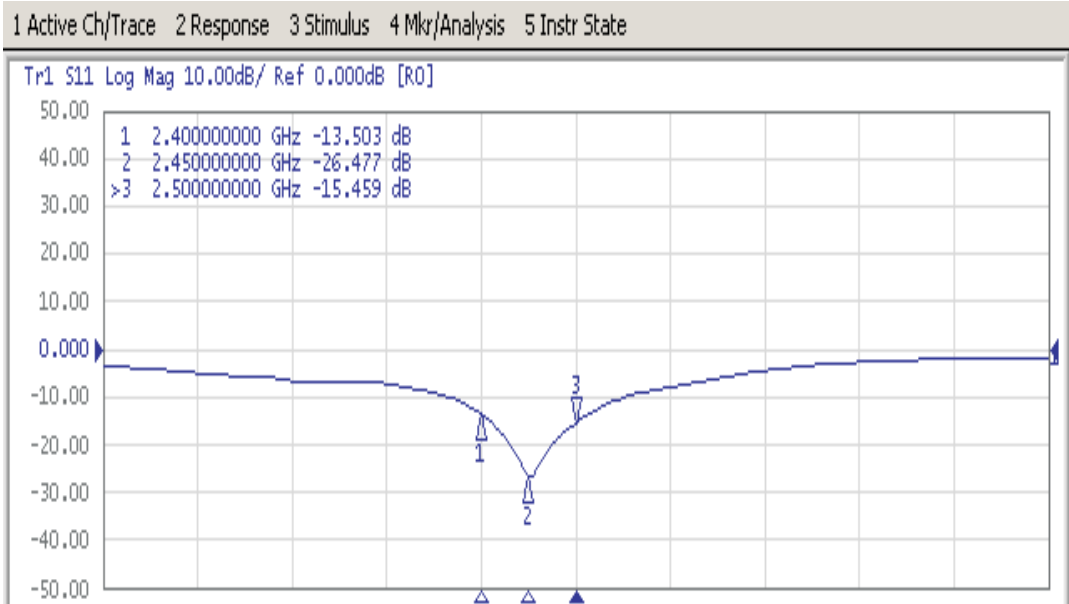
UNLESS OTHERWISE SPECIFIED TOLERANCES ON: X $\pm 1$ X.X $\pm 0.5$ X.XX $\pm 0.25$ ANG. $\pm 2.0'$ THIRD ANGLE PROJECTION	DRAWN BY: LYNN DESIGNED BY: 岑玉青 CHECKED BY: APPROVED BY: 陳逸韜	MATERIAL: FINISH: SCALE: 1/1 UNIT:mm DATE: 2006/02/09 REV: 00	TITLE: Replacement Antenna DRAW No: PART No: IWX-241XRSXX-999 
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# Model. IWX-241XRSXX

## Test Report

## Electrical Test

Return loss



V.S.W.R.



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## Connector

## Reverse SMA Plug

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This is a reverse SMA plug join on the antenna.

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Electrical Properties	1) Impedance	50 ohm
	2) Frequency Range	0~6 GHz
	3) V.S.W.R.	1.5 (Max.)
	4) Working Voltage	≤250 Vrms
	5) Dielectric Withstanding	≤670 Vrms
	6) Voltage Insulation Resistance	≥2000Megohm
	7) Contact Resistance	Center contact: 3.0 Milliohm (Max.) Outer contact: 2.0 Milliohm (Max.)
	8) Insertion Loss(2.4GHz)	0.3 dB

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Mechanical Properties	1) Recommended coupling nut torque	4.0 in.lbs.~8.8 in.lbs.
	2) Coupling nut retention force	≥50 lbs.
	3) Contact captivation axial	≥5 lbs.

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Environmental Ratings	1) Operating Temperature	-65°C ~ +165°C
	2) Thermal Shock	MIL-STD-202, Method 107, Condition B
	3) Corrosion	MIL-STD-202, Method 101, Condition B
	4) Shock	MIL-STD-202, Method 213, Condition I
	5) Vibration	MIL-STD-202, Method 204, Condition D
	6) Moisture Resistance	MIL-STD-202, Method 106

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Material Specifications	Material	Plating
1) Body	Brass	Black
2) Pin	Phosphor Bronze	Gold
3) Insulator	Teflon or Delrin	

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