

# **WIMAX Antenna Specification**

# 承 認 書

## APPROVAL SHEET

CUSTOMER : SEOWON INTECH CO.,LTD.

CUSTOMER MODEL NO. :

JOYMAX MODEL NO. : RWX-1511SAAX-467

DESCRIPTION : Replacement Antenna

APPROVAL SHEET. :

REV : 00

DATE : 2009/5/13

APPENDIX:

☒ Spec Sheet

☐ Other Sheet

Customer Approval

Joymax Approval



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### 1. Drawing

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### 2. Specification

- Connector
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### 3. Test report

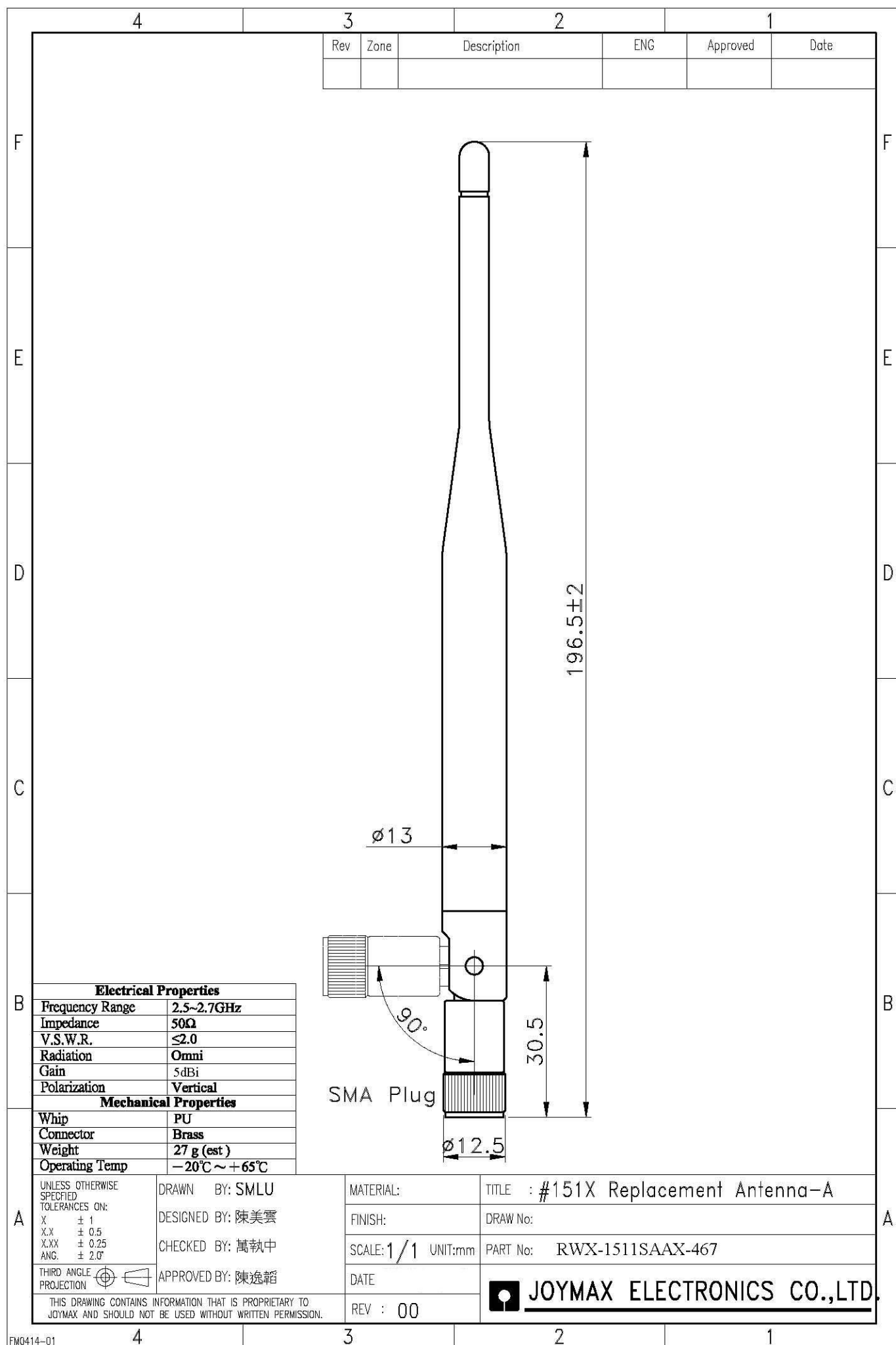
- Electrical test
  - Pattern test
- 

### 4. Packing

- Blister
  - Carton
- 

## Modification History:

Rev.	Date	Content
00	2009/05/13	



FM0414-01

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## Connector

## SMA

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Specification Data	1) Impedance	50 ohm
	2) Frequency Range	0~6 GHz
	3) V.S.W.R.	$\leq 1.5$
	4) Working Voltage	$\leq 250$ Vrms
	5) Dielectric Withstanding	$\leq 670$ Vrms
	6) Voltage Insulation Resistance	$\geq 2000$ Mega ohm
	7) Contact Resistance	Center contact: 3.0 Milliohms (Max.) Outer contact: 2.0 Milliohms (Max.)
	8) Recommended coupling nut torque	4.0~8.8 in. lbs (0.45~0.99Nm)
	9) Coupling nut retention force	$\geq 5$ lbs (222N)
	10) Contact captivation force	$\geq 5$ lbs (22.2N)
	11) Durability (mating)	$\geq 500$ cycles

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Environmental Data	1) Operating Temperature	$-65^{\circ}\text{C} \sim +165^{\circ}\text{C}$
	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 Data	Material
	1) Body	Brass
	2) Contact	Phosphor Bronze
	3) Insulator	Teflon or Delrin

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# *The 2.5~2.7 GHz antenna* *test report*

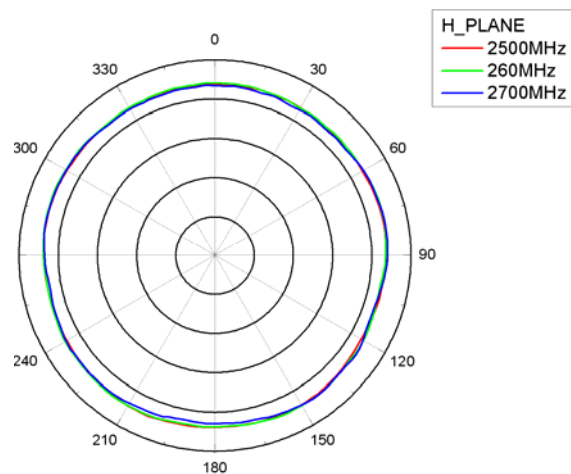
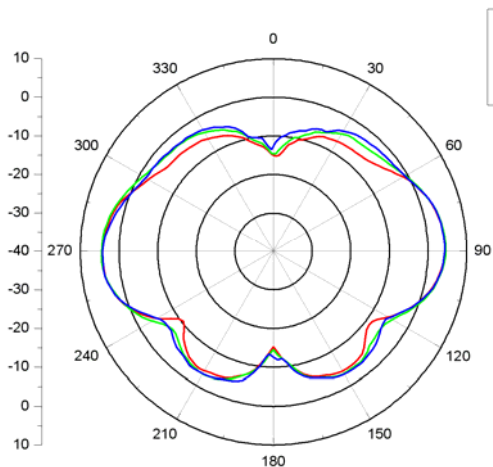
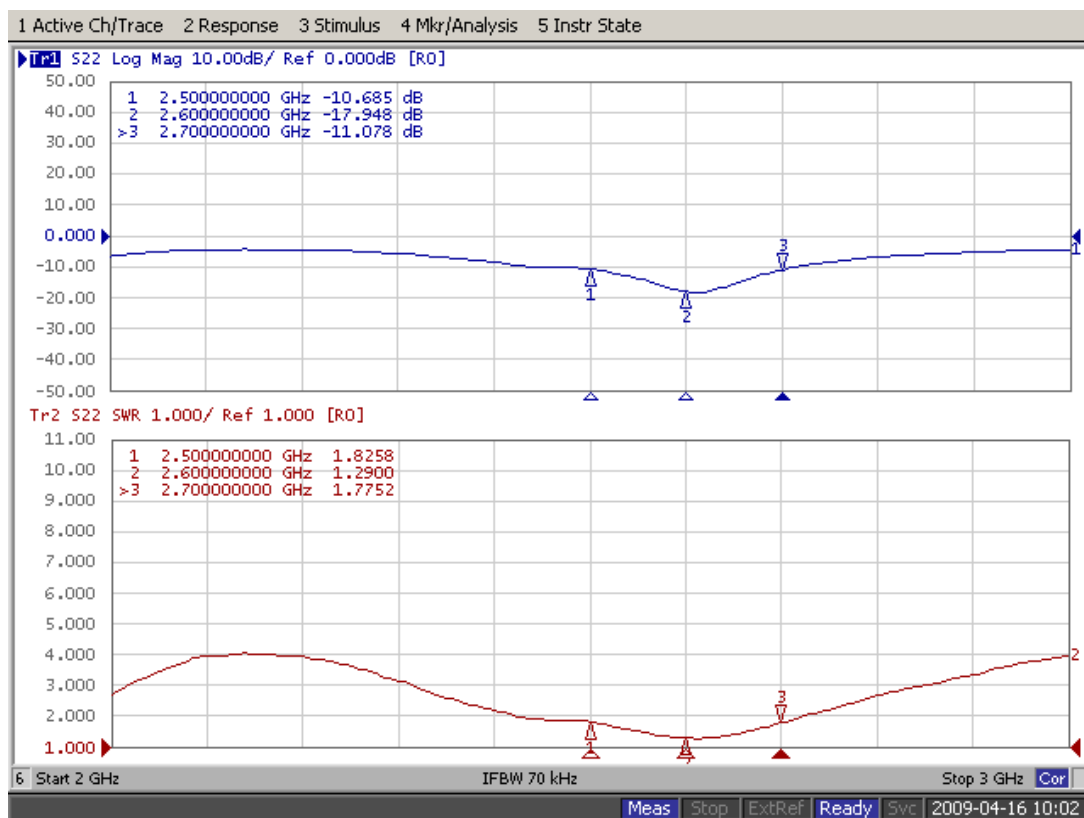
**MODEL: RWX-1511SAAX-467**

**2009/04/16**

**Lico Yu**

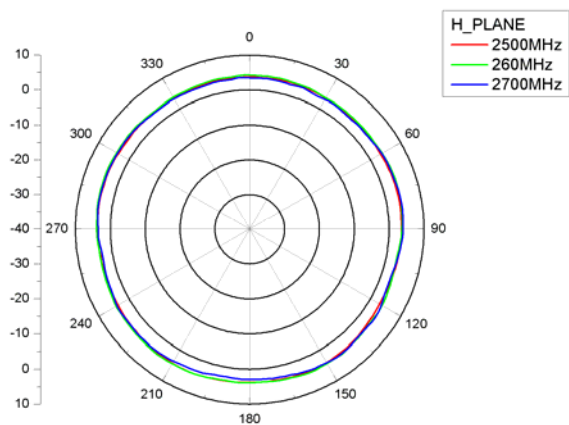
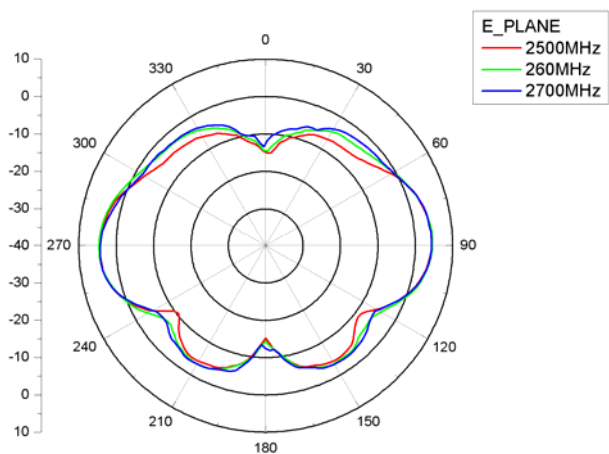
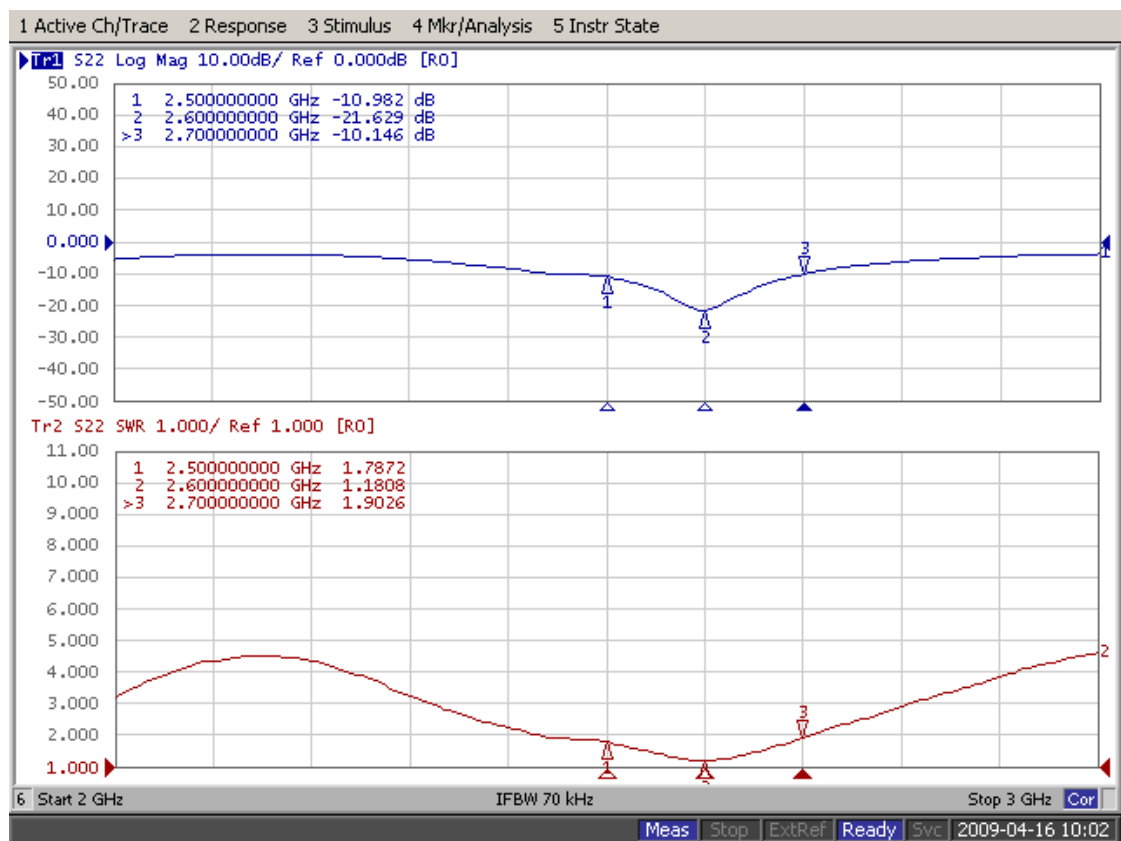


1.



Peak Gain	2.5GHz	2.6GHz	2.7GHz
E_PLANE	4.59	4.60	4.59
H_PLANE	4.52	4.73	4.53

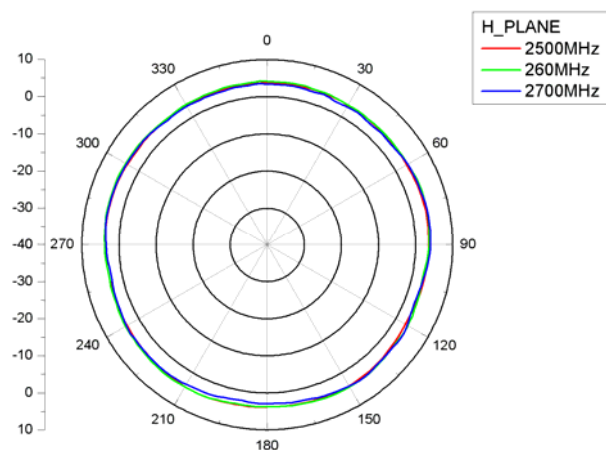
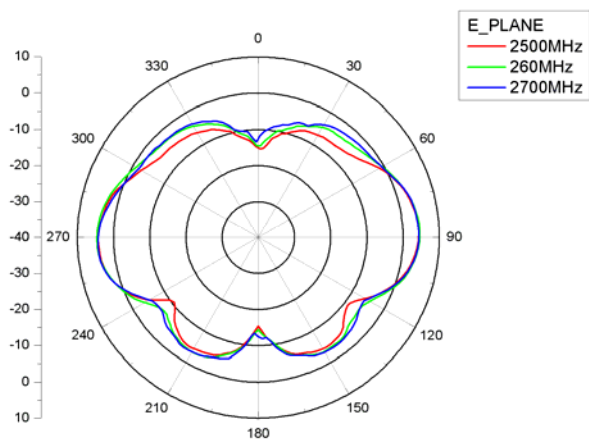
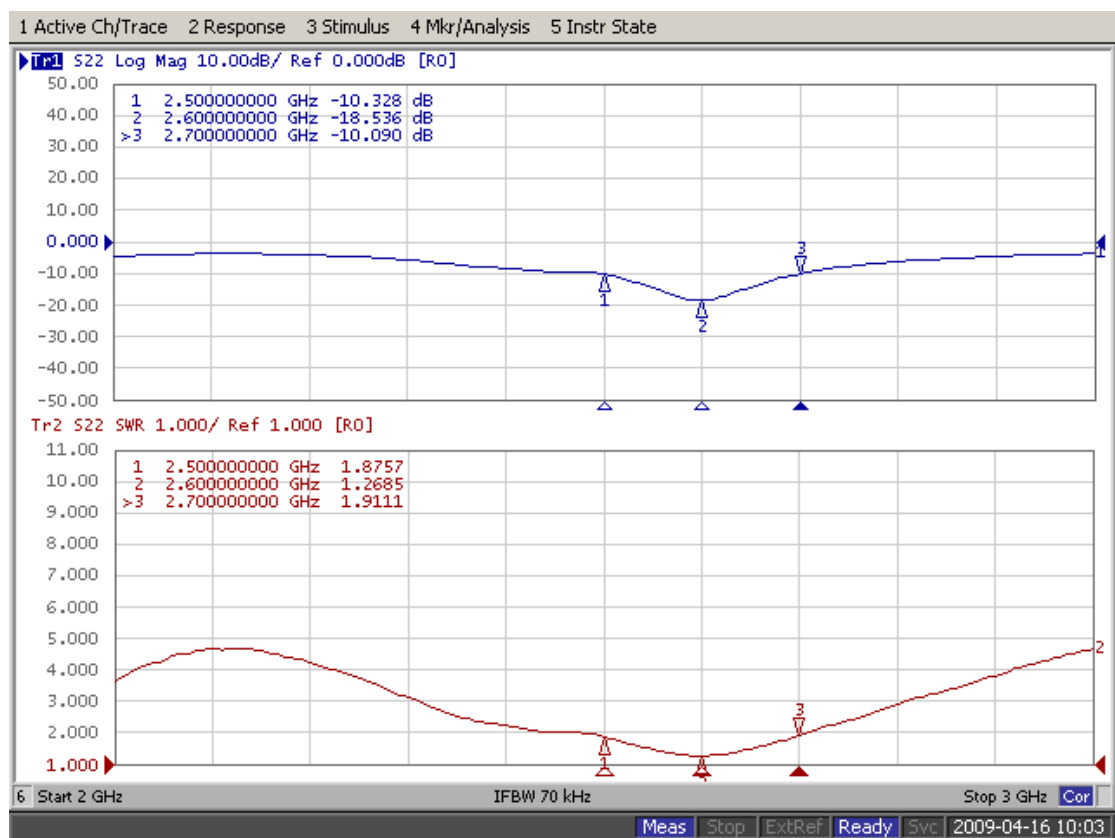
2.



Peak Gain	2.5GHz	2.6GHz	2.7GHz
E_PLANE	4.56	4.65	4.59
H_PLANE	4.45	4.58	4.45

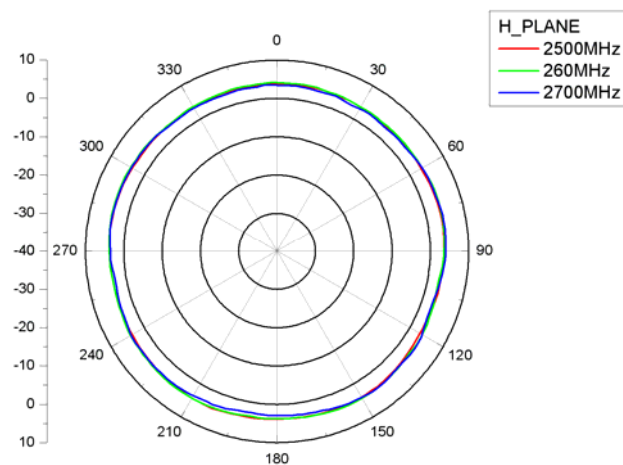
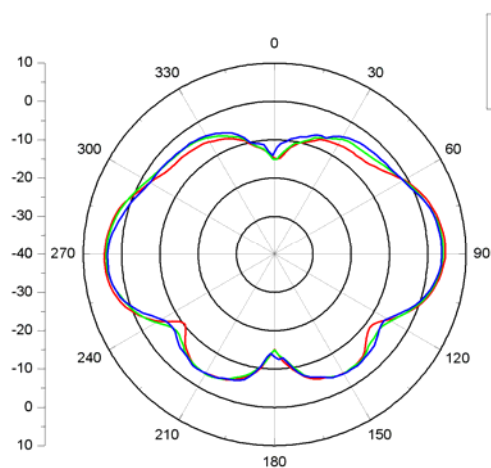
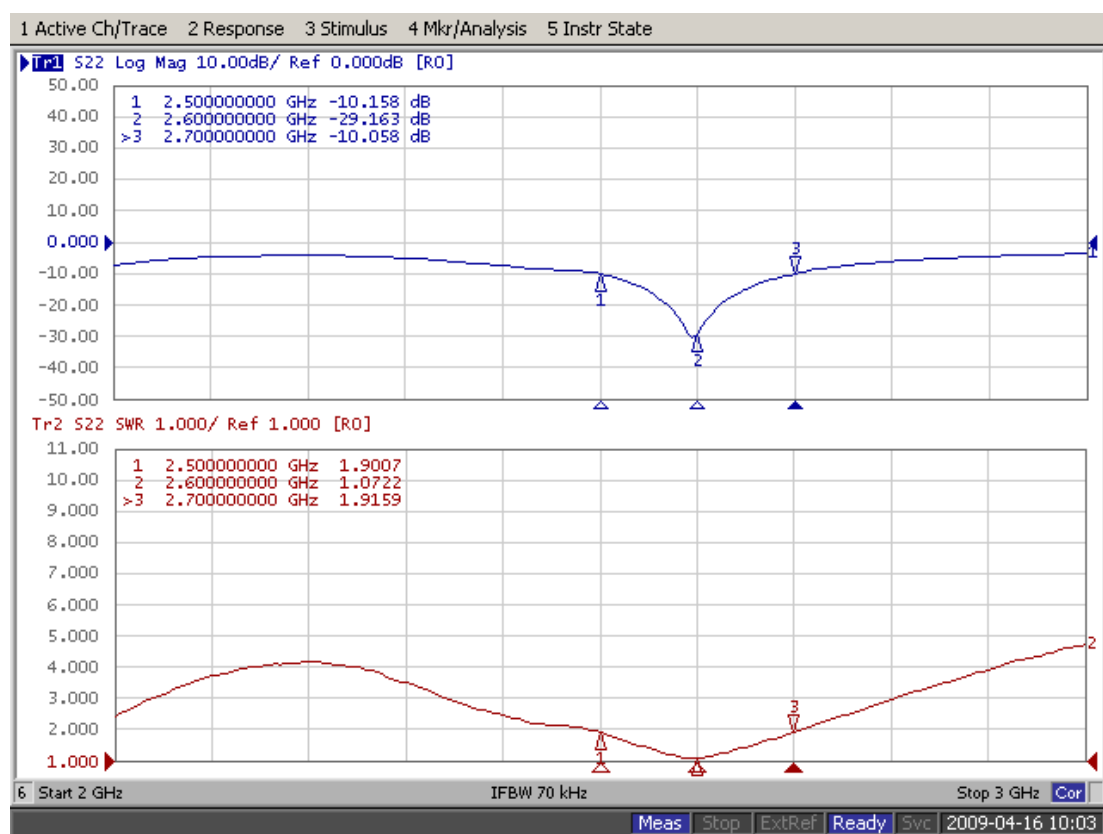


3.



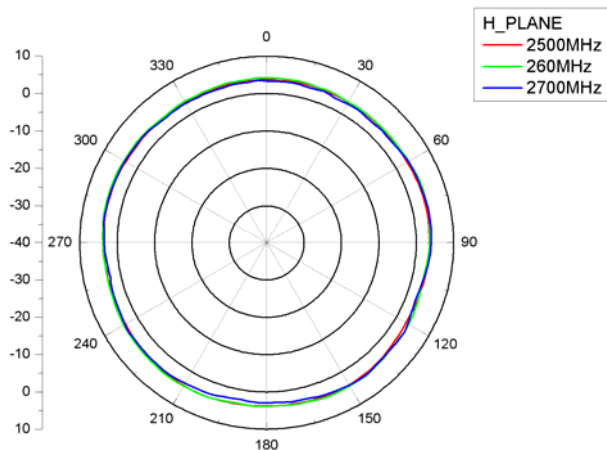
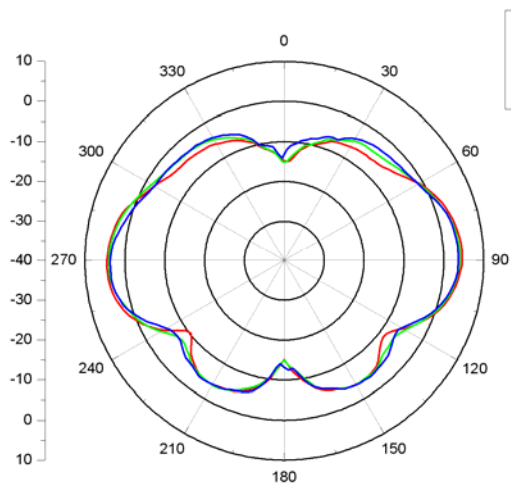
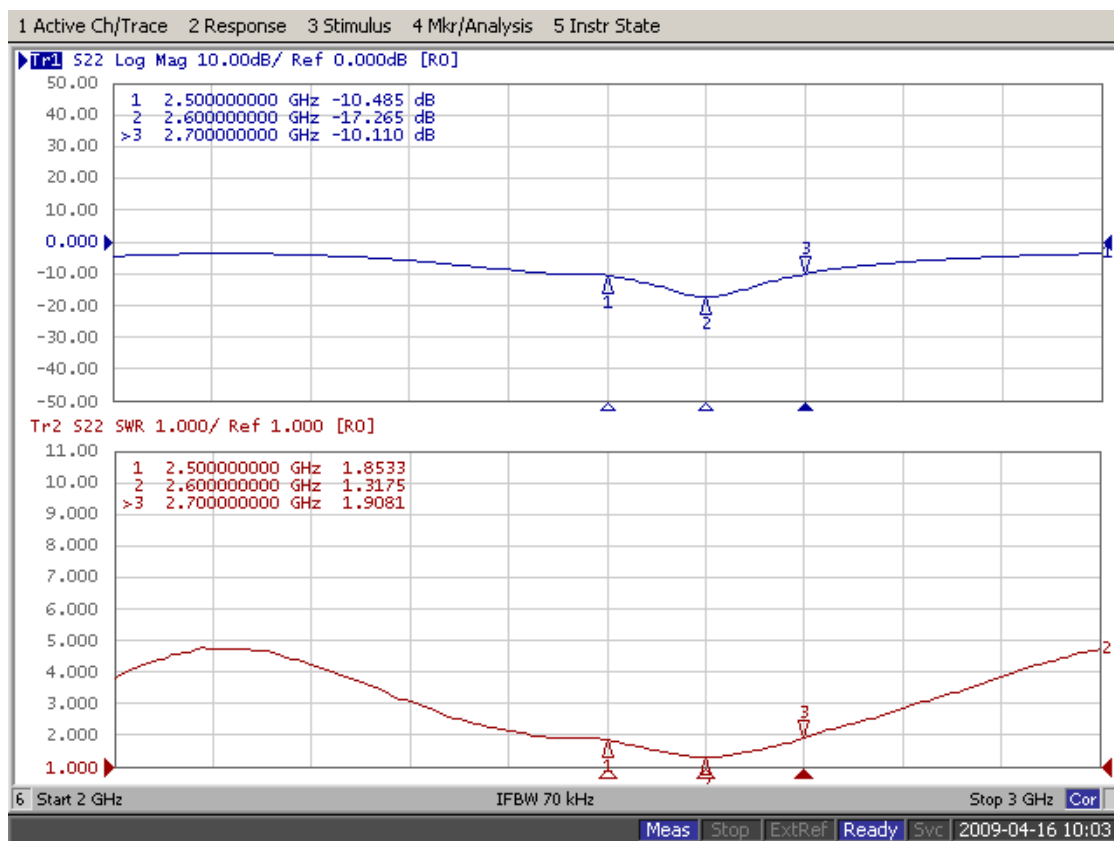
Peak Gain	2.5GHz	2.6GHz	2.7GHz
E_PLANE	4.54	4.66	4.56
H_PLANE	4.58	4.65	4.54

4.



Peak Gain	2.5GHz	2.6GHz	2.7GHz
E_PLANE	4.52	4.69	4.57
H_PLANE	4.49	4.62	4.58

5.



Peak Gain	2.5GHz	2.6GHz	2.7GHz
E_PLANE	4.51	4.70	4.54
H_PLANE	4.50	4.65	4.51

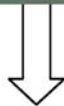
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## Packing

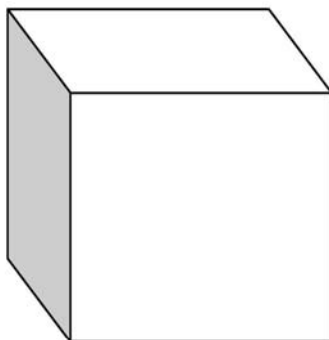
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- 1 18pcs ANT / 1 Blister  
Blister size 360\*230.5mm



- 2 2 layer  
{ 10pcs Blister+2pcs Partition  
{ 10pcs Blister+2pcs Partition



- 3 360pcs ANT / 1Carton  
Carton size 390\*260\*330mm