

# 承認書

## APPROVAL SHEET

CUSTOMER: MAP ELECTRONICS CO., LTD

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CUSTOMER MODEL NO.: ME-467XSAXX

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DESCRIPTION #467X Replacement Antenna

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REV.: 00

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DATE 2012/10/22

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Customer Approval	
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## Index.

Item
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### 1. Drawing

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### 2. Test report

- Electrical test
  - Pattern test
- 

### 3. Specification

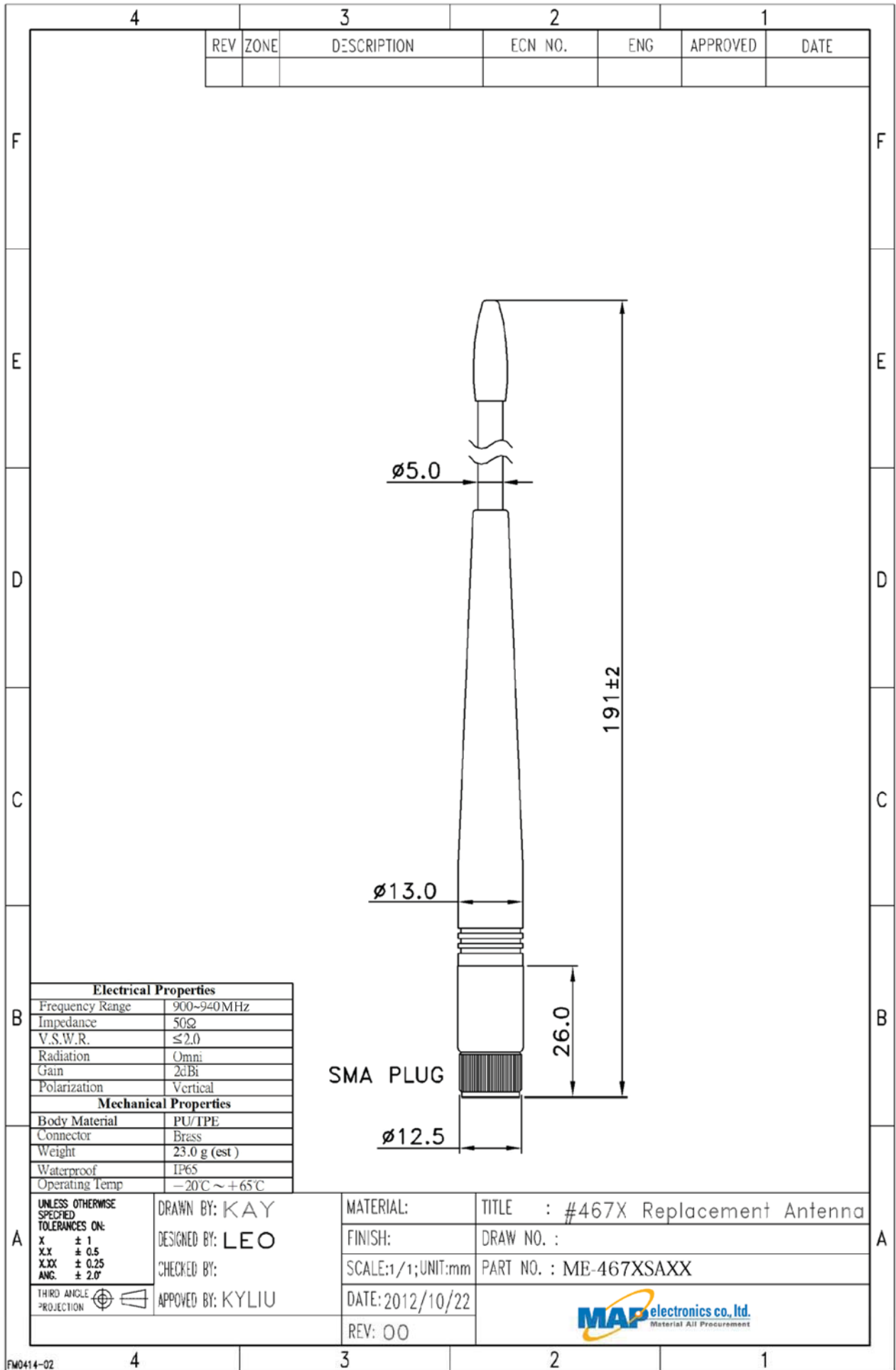
- Connector
- 

### 4. Packing

- PE Bag
  - Carton
- 

## Modification History:

Rev.	Date	Content
00	2012/10/22	



FM0414-02

4

3

2

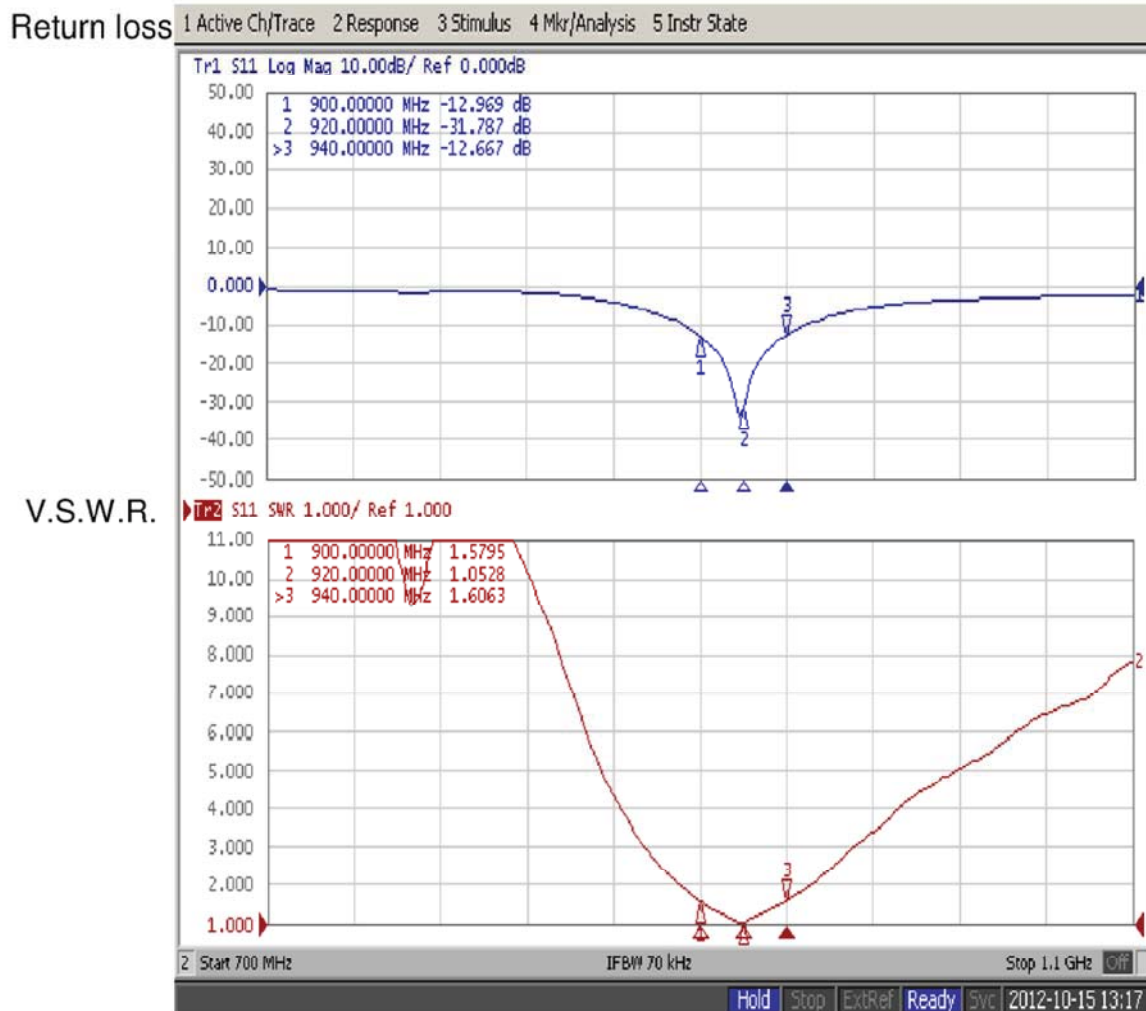
1

for reference only

Model. ME-467XSAXX

Test Report

Return loss/V.S.W.R



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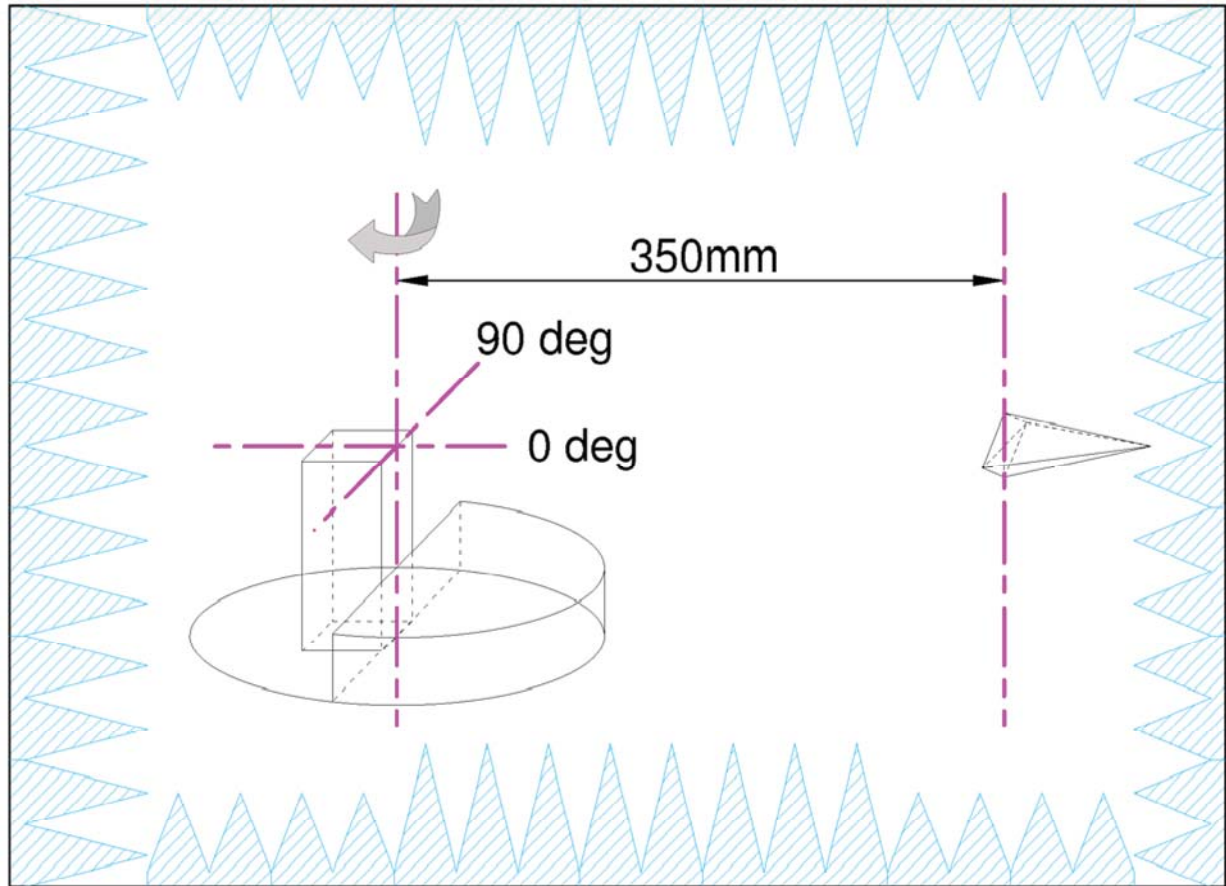
**Model.** ME-467XSAXX

**2D Patten Test Instrument**

**Pattern Test**

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### Test Equipment

Anechoic chamber: 100MHz~6GHz 8\*6\*6m (※ 1m Quiet zone at 800MHz)

Source Antenna: ETS-3164 Dual Polarized Horn

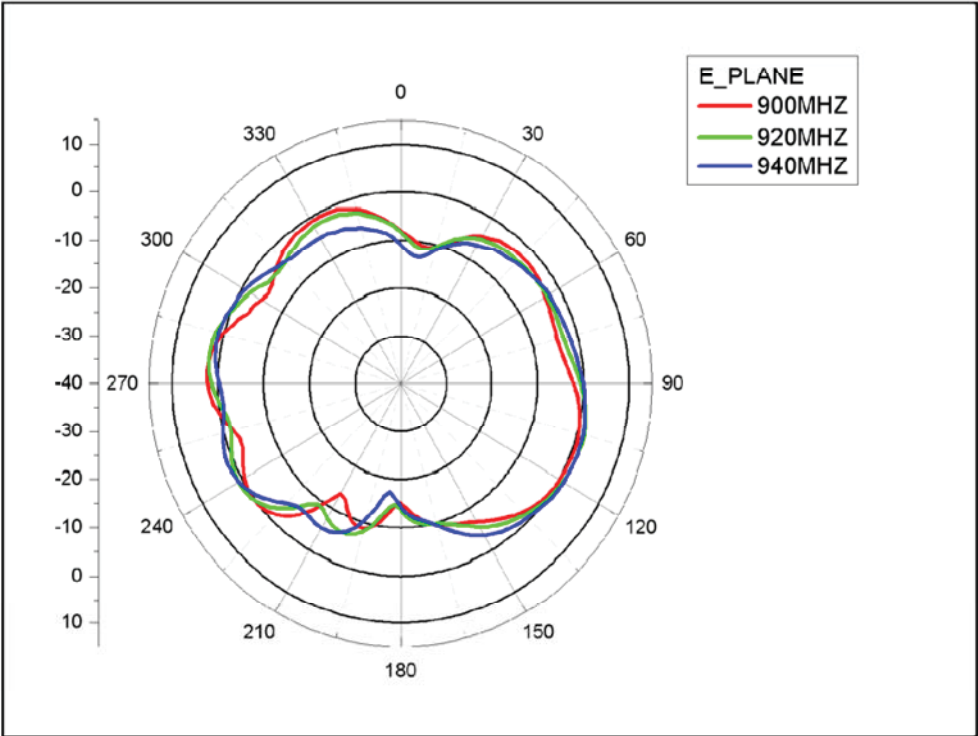
Network Analyzer: Agilent E5071B 100kHz~8.5GHz

Model. ME-467XSAXX

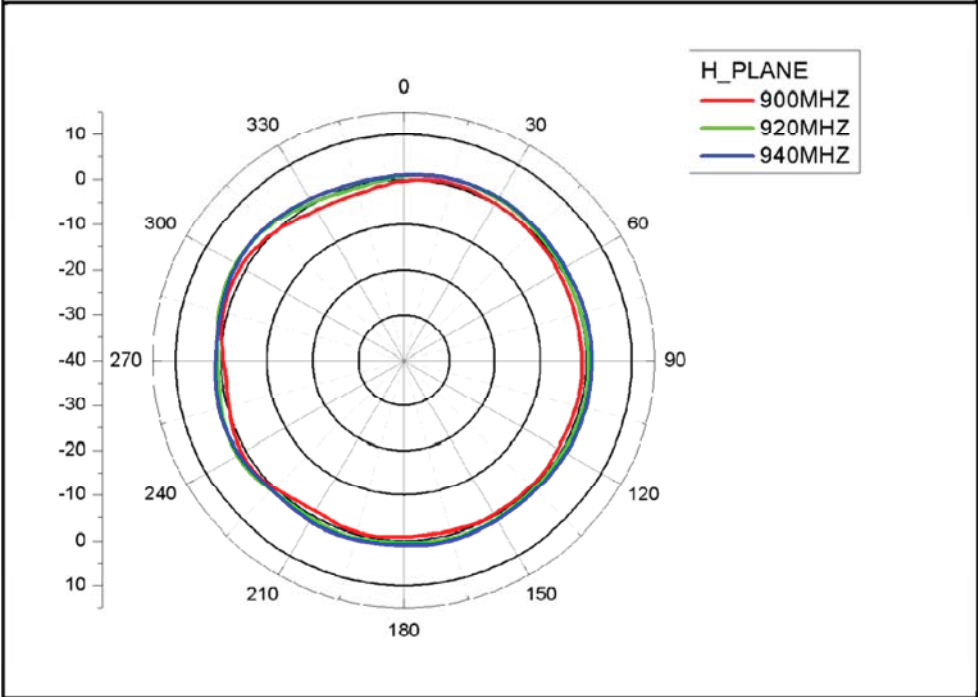
Test Setup

Pattern Test

E-plane



H-plane



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**Connector****SMA**

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Specification Data	1) Impedance	50 ohm
	2) Frequency Range	0~6GHz
	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	$\geq 50$ 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 E
	3) Corrosion	MIL-STD-202,Method 101, Condition E
	4) Shock	MIL-STD-202,Method 213, Condition I
	5) Vibration	MIL-STD-202,Method 204, Condition E
	6) Moisture Resistance	MIL-STD-202,Method 106

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Material Specifications	Material Data	Material
	1) Body	Brass
	2) Contact	Brass
	3) Insulator	Teflon or Delrin

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**Declaration of EU RoHS Compliance**

Date: 2012/11/13

MAP Electronics Co., Ltd. declare that our products are in full compliance with EU Directive 2002/95/EC.

That, restricts the use of the hazardous substances listed below;

MAP P/N: ME-467XSAXX

Controlled Substances	Substances Short Name	Threshold
Cadmium and its Compounds	Cd	100 ppm
Lead and its Compounds	Pb	1000 ppm
Mercury and its Compounds	Hg	1000 ppm
Hexavalent Chromium and Compounds	Cr+6	1000 ppm
Polybrominated Biphenyls	PBBs	1000 ppm
Polybrominated Diphenylethers	PBDEs	1000 ppm
Sum of Cd,Pb,Hg,Cr+6 concentrations in Packaging materials		100 ppm

