

承 認 書

APPROVAL SHEET

CUSTOMER: MAP ELECTRONICS CO., LTD

CUSTOMER MODEL NO.: MEGWX-241XSAXX-920

DESCRIPTION #241X Replacement Antenna

REV.: 01

DATE 2013/1/14

Customer Approval	
-------------------	--

---

---

## Index.

Item
------

### 1. Drawing

---

### 2. Test report

- Electrical test
  - Pattern test
- 

### 3. Specification

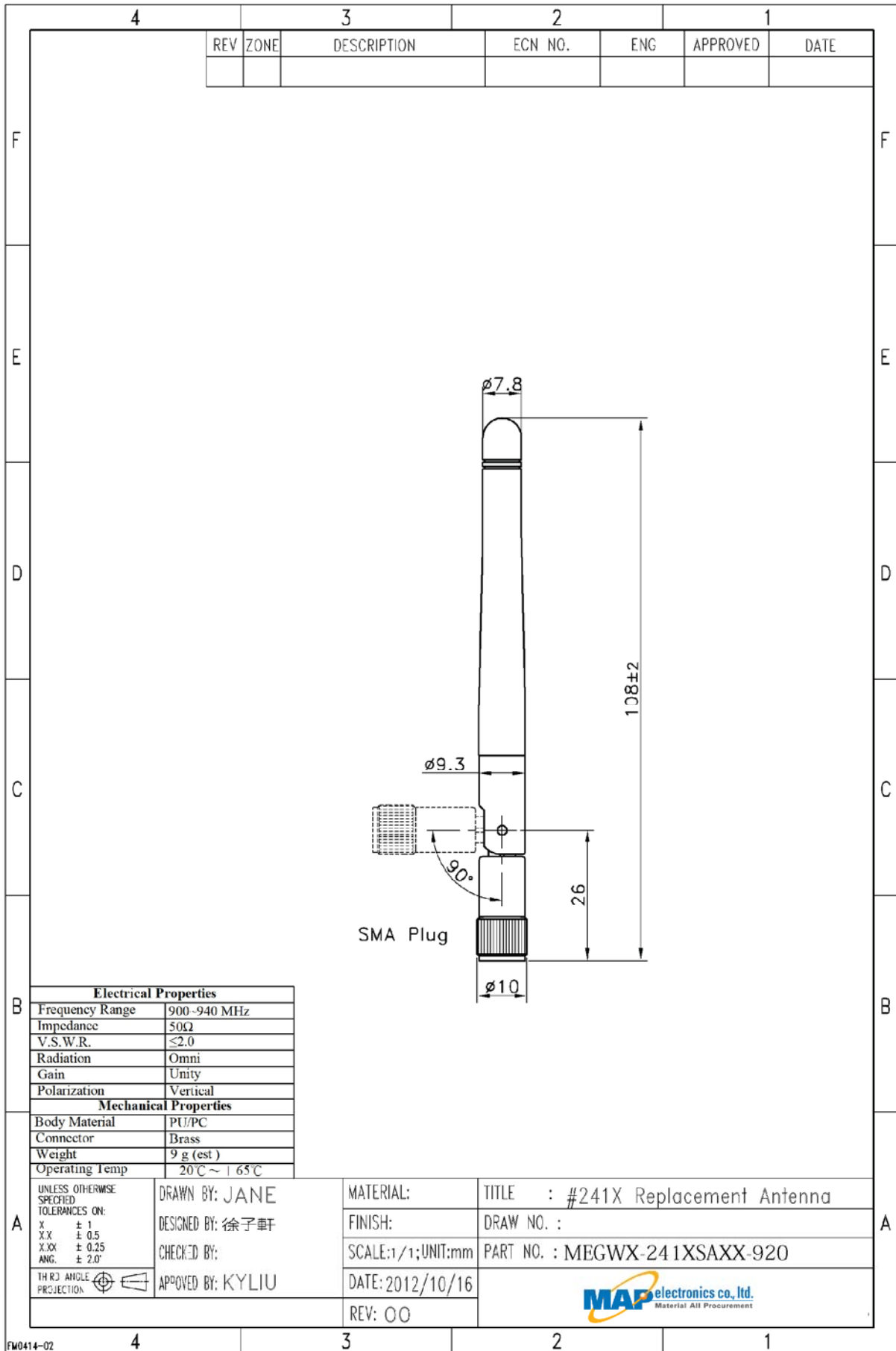
- Connector
- 

### 4. Packing

- PE Bag
  - Carton
- 

## Modification History:

Rev.	Date	Content
00	2012/10/15	
01	2013/1/14	新增Pattern

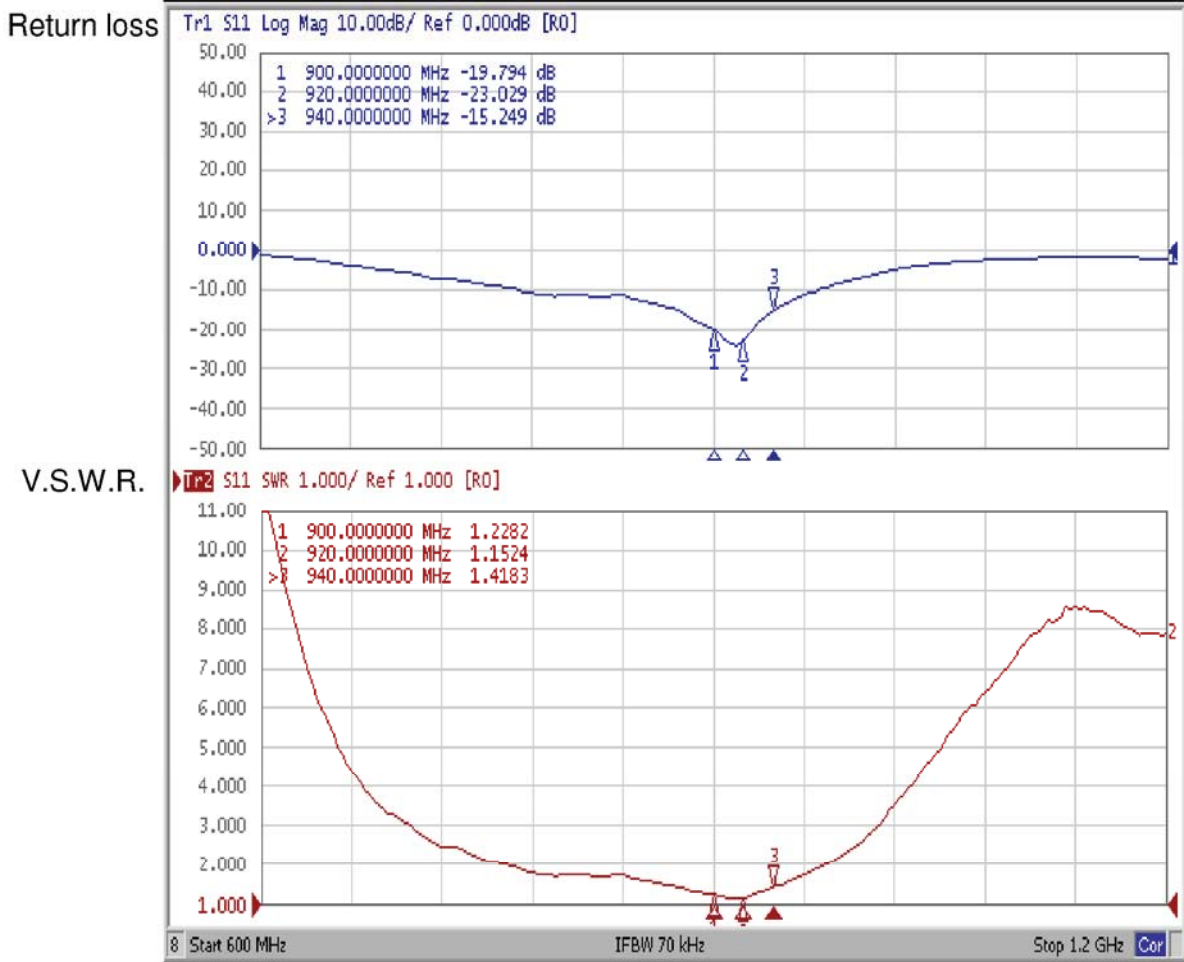


for reference only

Model. MEGWX-241XSAXX-920

Test Report

Return loss/V.S.W.R



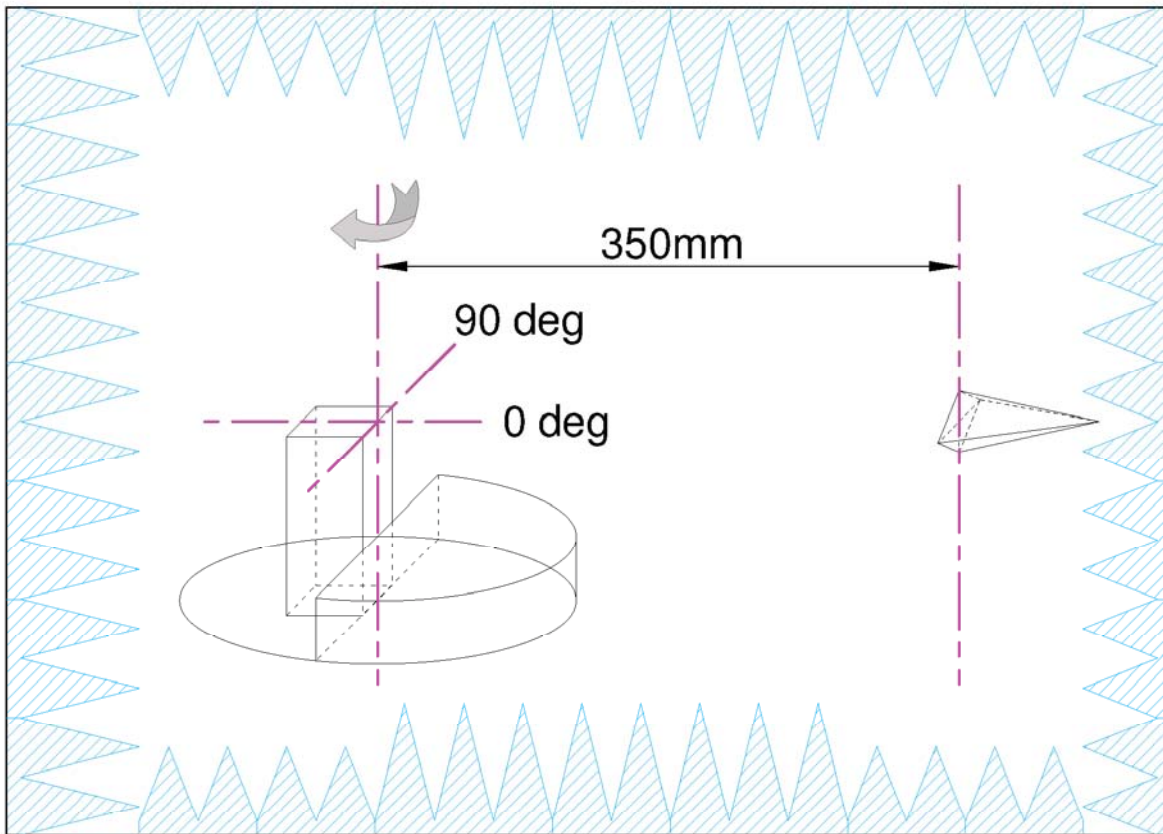
---

**Model.** MEGWX-241XSAXX-920

**2D Patten Test Instrument**

**Pattern Test**

---



### Test Equipment

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

Source Antenna: ETS-3164 Dual Polarized Horn

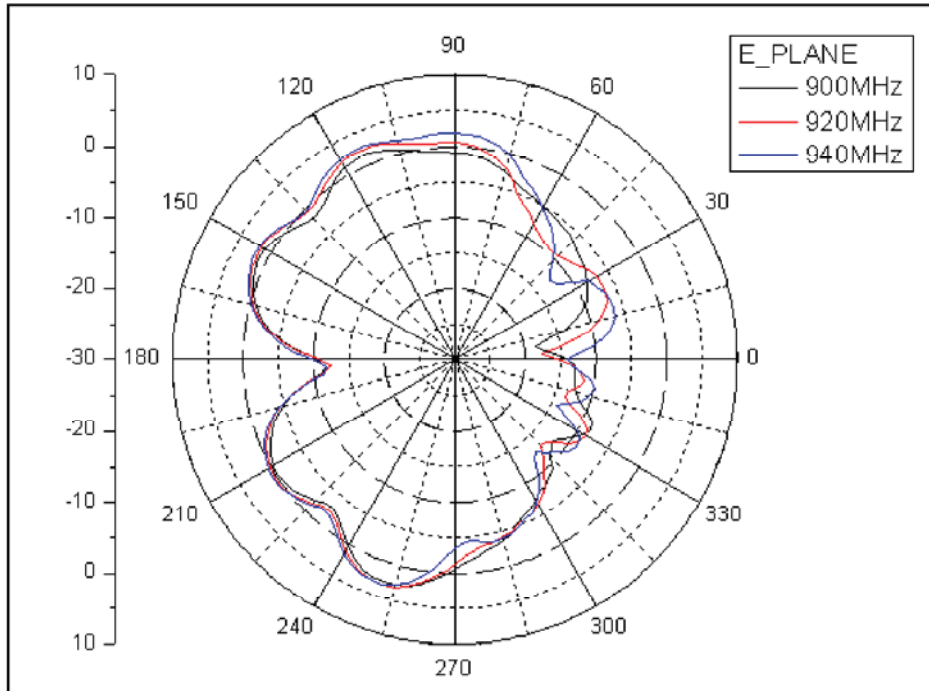
Network Analyzer: Agilent E5071B 100kHz~8.5GHz

Model. MEGWX-241XSAXX-920

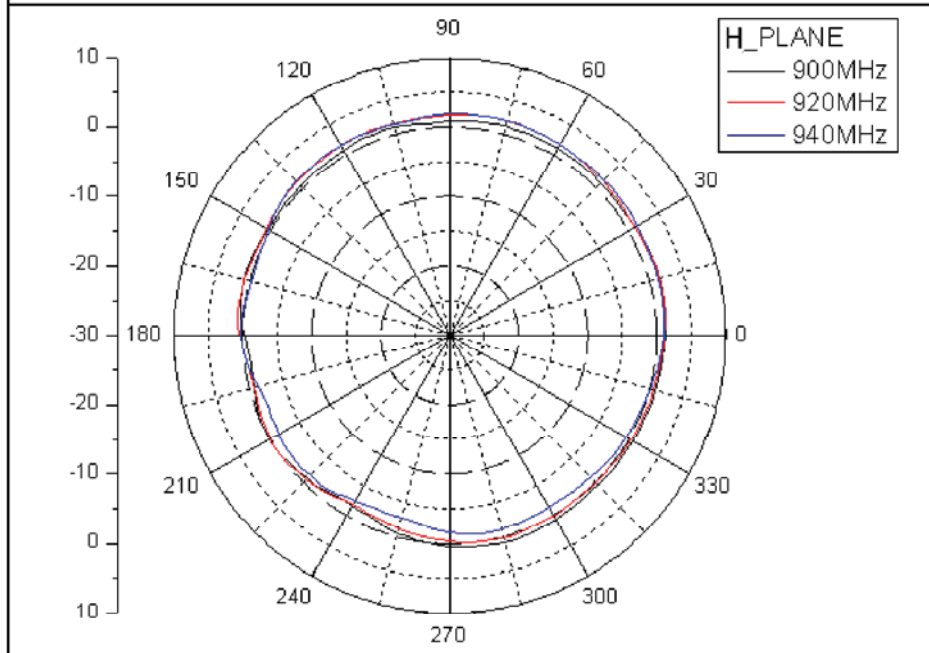
2D Patterns

Pattern Test

E-plane



H-plane



---

---

**Connector****SMA**

---

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

---

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

---

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

---