

# 承認書

## APPROVAL SHEET

CUSTOMER MODEL NO.:

MAP MODEL NO.: MEGWX-1551SAXX-920

DESCRIPTION: Waterproof Replacement Antenna

REV.: 00

DATE: 2014/12/4

|                   |  |
|-------------------|--|
| Customer Approval |  |
|-------------------|--|

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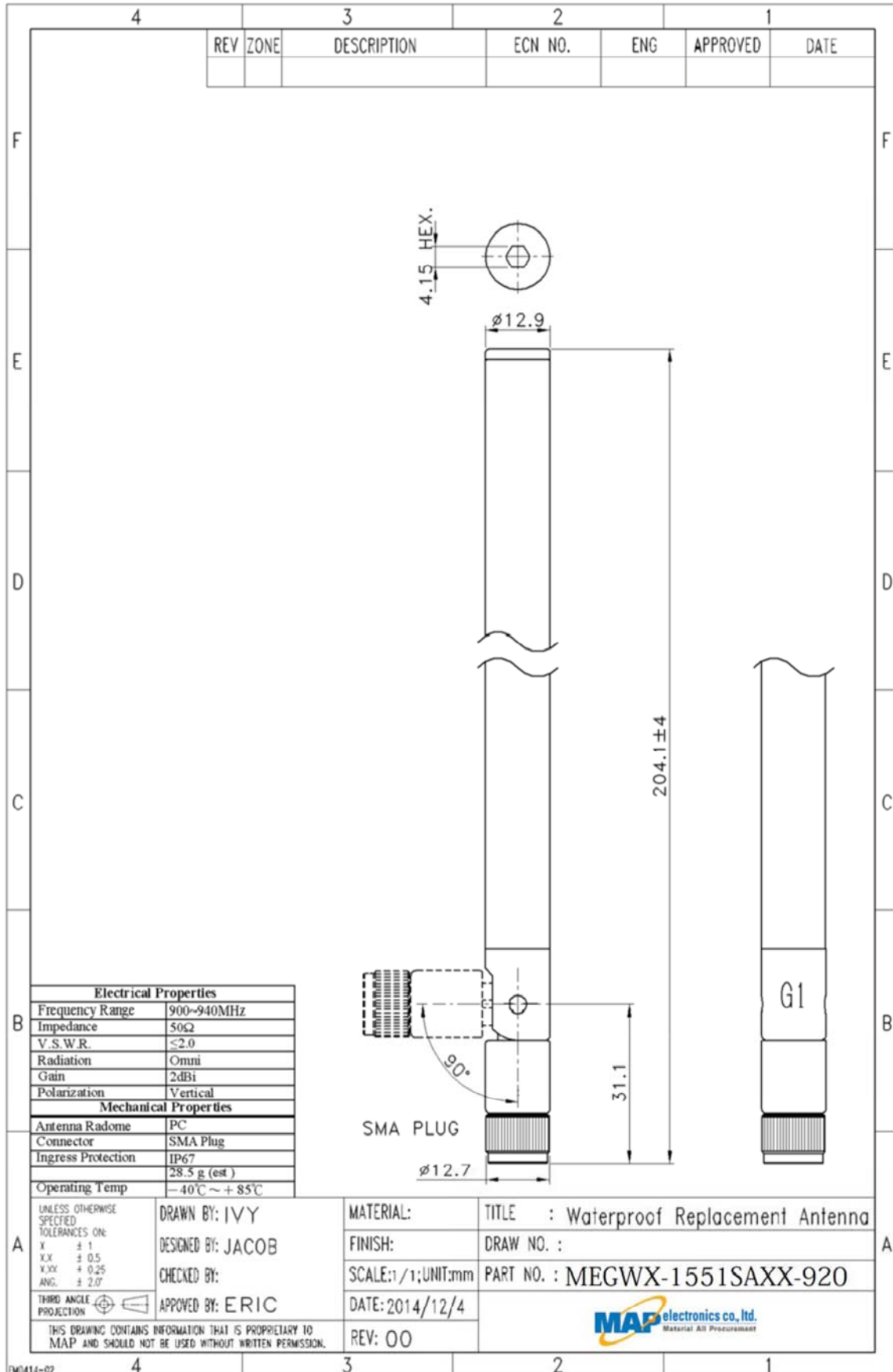
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### Modification History:

| Rev. | Date      | Content |
|------|-----------|---------|
| 00   | 2014/12/4 |         |

# 1. Specification

## 1.1 Drawing



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## 1.2 Connector

## SMA

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|                       |                                    |   |
|-----------------------|------------------------------------|---|
| Specification<br>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.)<br>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<br>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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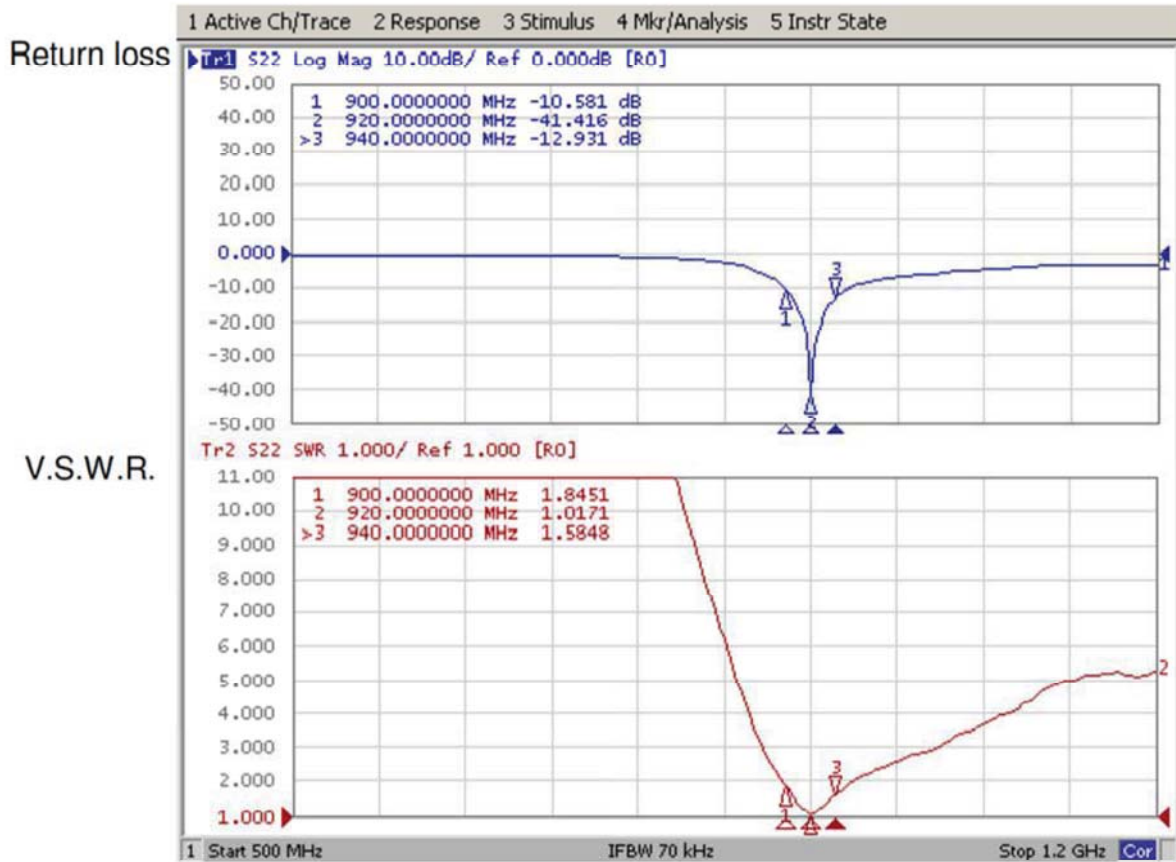
|                            |               |                  |
|----------------------------|---------------|------------------|
| Material<br>Specifications | Material Data | Material         |
|                            | 1) Body       | Brass            |
|                            | 2) Contact    | Brass            |
|                            | 3) Insulator  | Teflon or Delrin |

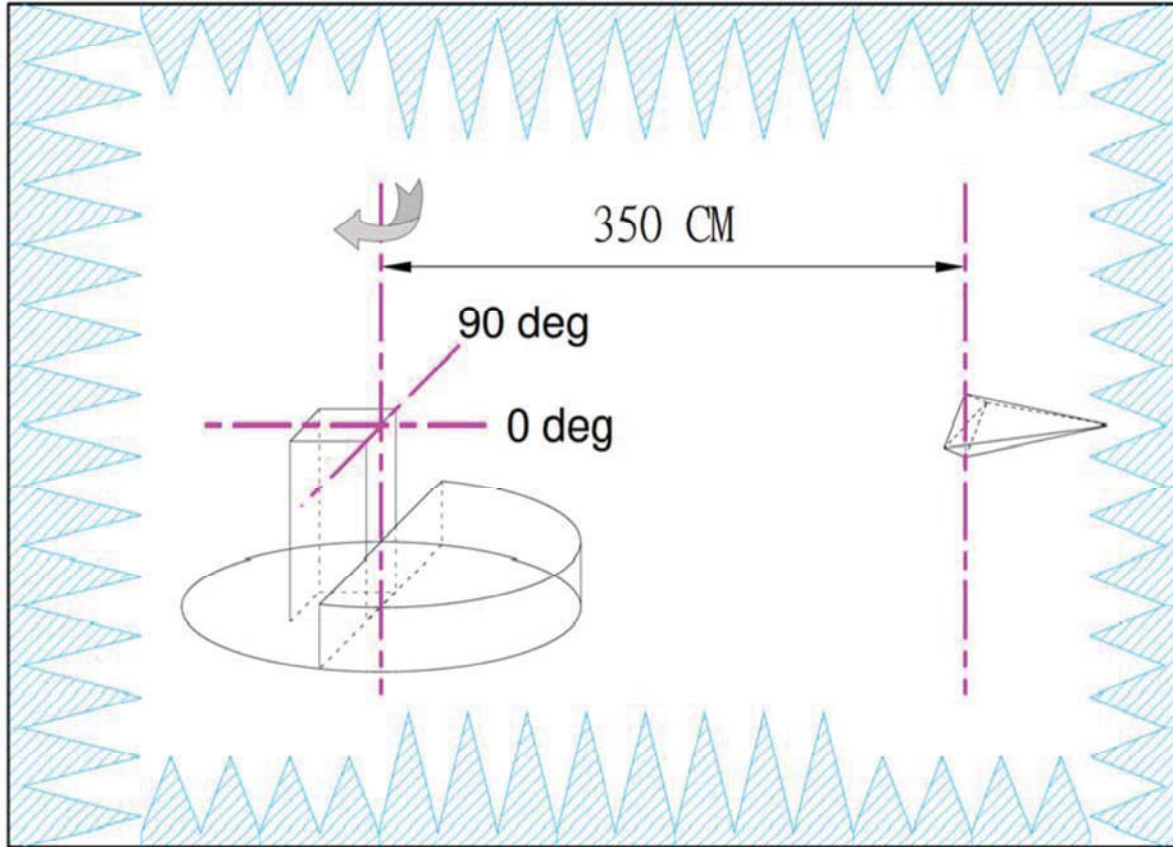
## 2. Test Report

Model NO. MEGWX-1551SAXX-920

### 2.1 Electrical test

Return loss/V.S.W.R





### 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

