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## Modification History:

| Rev. | Date       | Content |
|------|------------|---------|
| A    | 2022/11/16 |         |

## 製造元



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# 1. Specification & Dimension

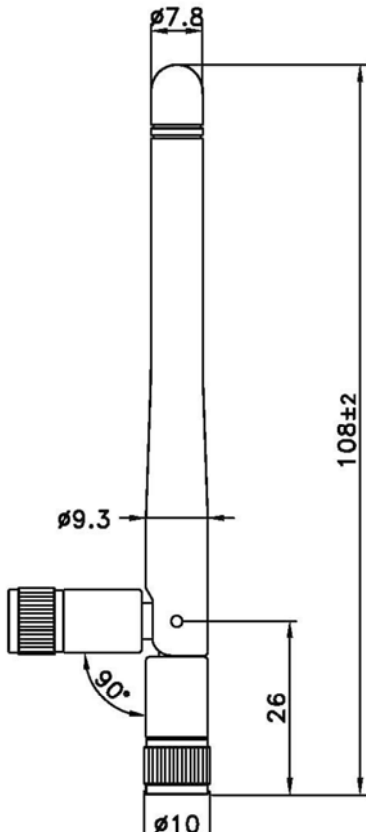
|     |      |             |         |
|-----|------|-------------|---------|
| 4   | 3    | 2           | 1       |
| REV | ZONE | DESCRIPTION | ECN NO. |
|     |      |             |         |
|     |      |             |         |

**Electrical Properties**

|                   |             |
|-------------------|-------------|
| Frequency Range   | 900~940 MHz |
| Impedance         | 50Ω         |
| V.S.W.R.          | ≤2.0        |
| Radiation         | Omni        |
| Gain (MAX)        | 1dBi        |
| Polarization      | Vertical    |
| Wave Length, type | 1/4λ, Whip  |
| Test Ground Size  | 40*80*110mm |

**Mechanical Properties**

|                 |                  |
|-----------------|------------------|
| Radome Material | TPE              |
| Connector Type  | Reverse SMA Plug |
| Dimension       | L=108mm          |
| Weight          | 8 g (est)        |
| Operating Temp. | -20℃~+65℃        |
| Storage Temp.   | -30℃~+70℃        |



**Reverse SMA Plug**

**Warranty period : 1 year**

|                                                                                                                                                  |                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <p>UNLESS OTHERWISE SPECIFIED TOLERANCES ON:</p> <p>X ± 1</p> <p>XX ± 0.5</p> <p>XXX ± 0.25</p> <p>ANG. ± 2.0°</p> <p>THIRD ANGLE PROJECTION</p> | <p>DRAWN BY: JOAN</p> <p>DESIGNED BY: NICK</p> <p>CHECKED BY: SARA/KY</p> <p>APPROVED BY: MATT</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|

|                                                                                               |                                                                                                 |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <p>MATERIAL:</p> <p>FINISH:</p> <p>SCALE:1/1;UNIT:mm</p> <p>DATE:2022/10/17</p> <p>REV: A</p> | <p>TITLE : #241 Replacement Antenna</p> <p>DRAW NO. :</p> <p>PART NO. : MEGWX-241XRSBX-920A</p> |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|

RF0002A

4

3

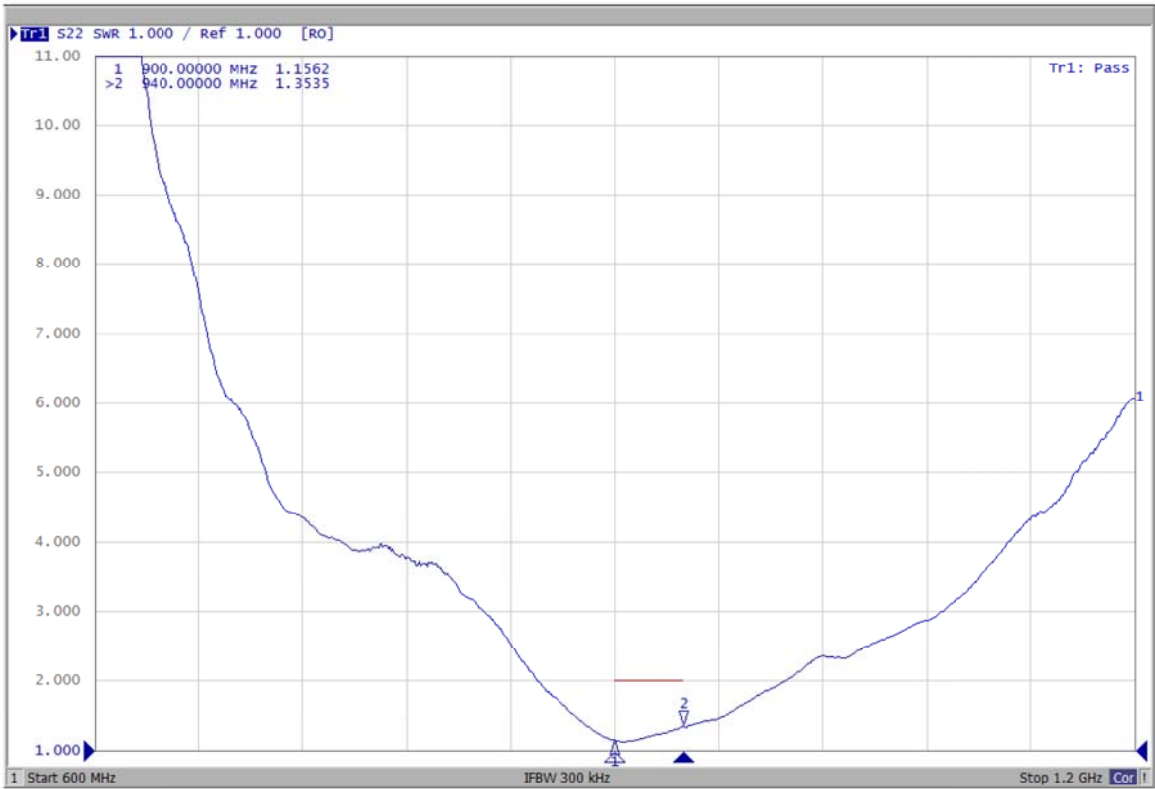
2

1

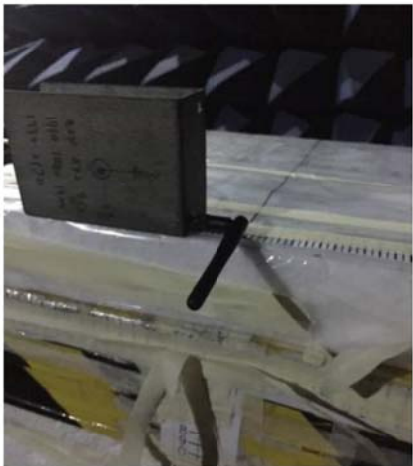
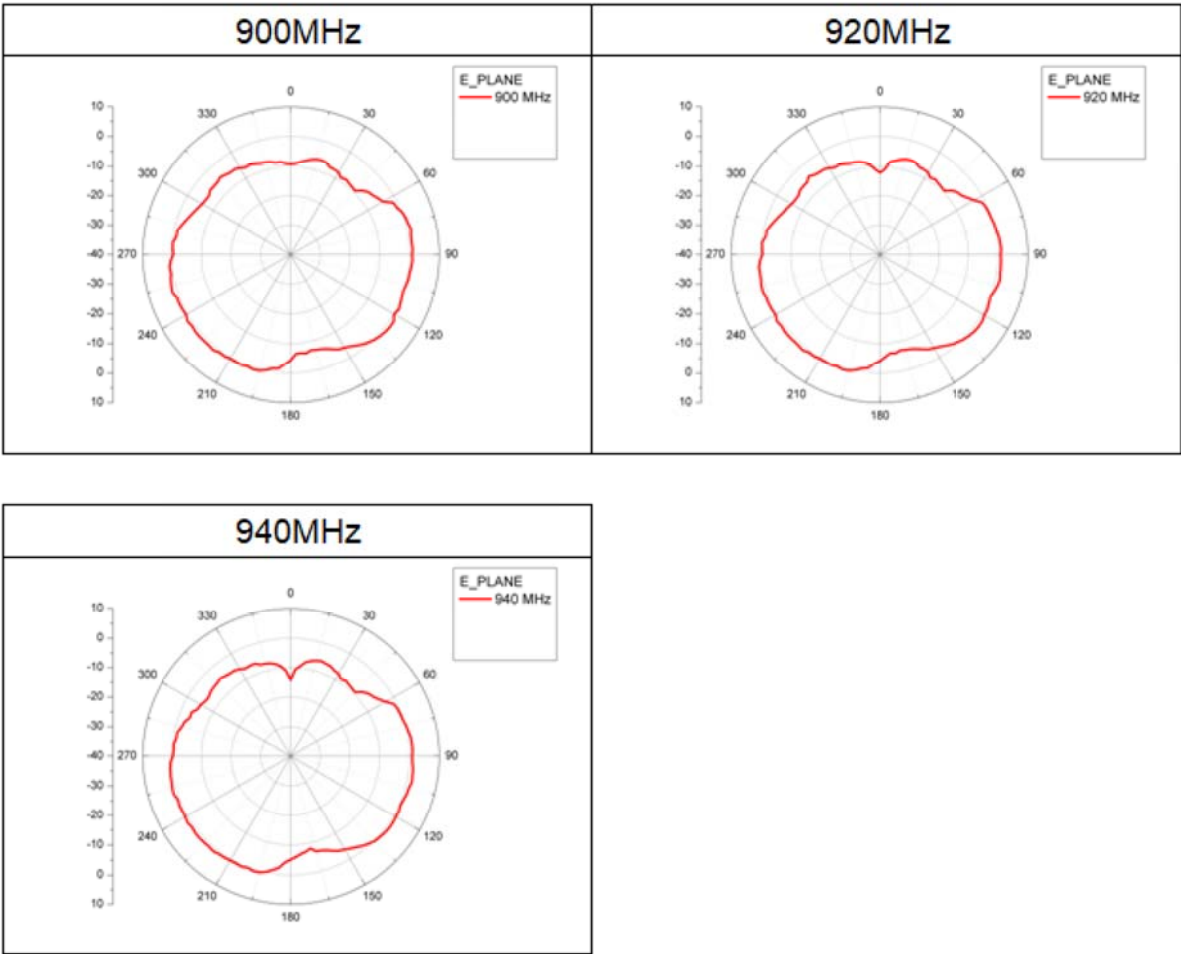
# 2.Test Condition & Report

## 2.1 V.S.W.R

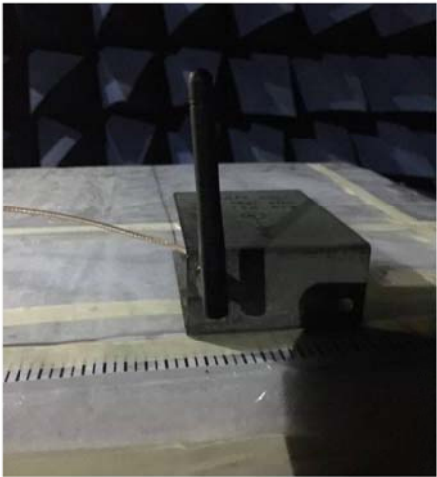
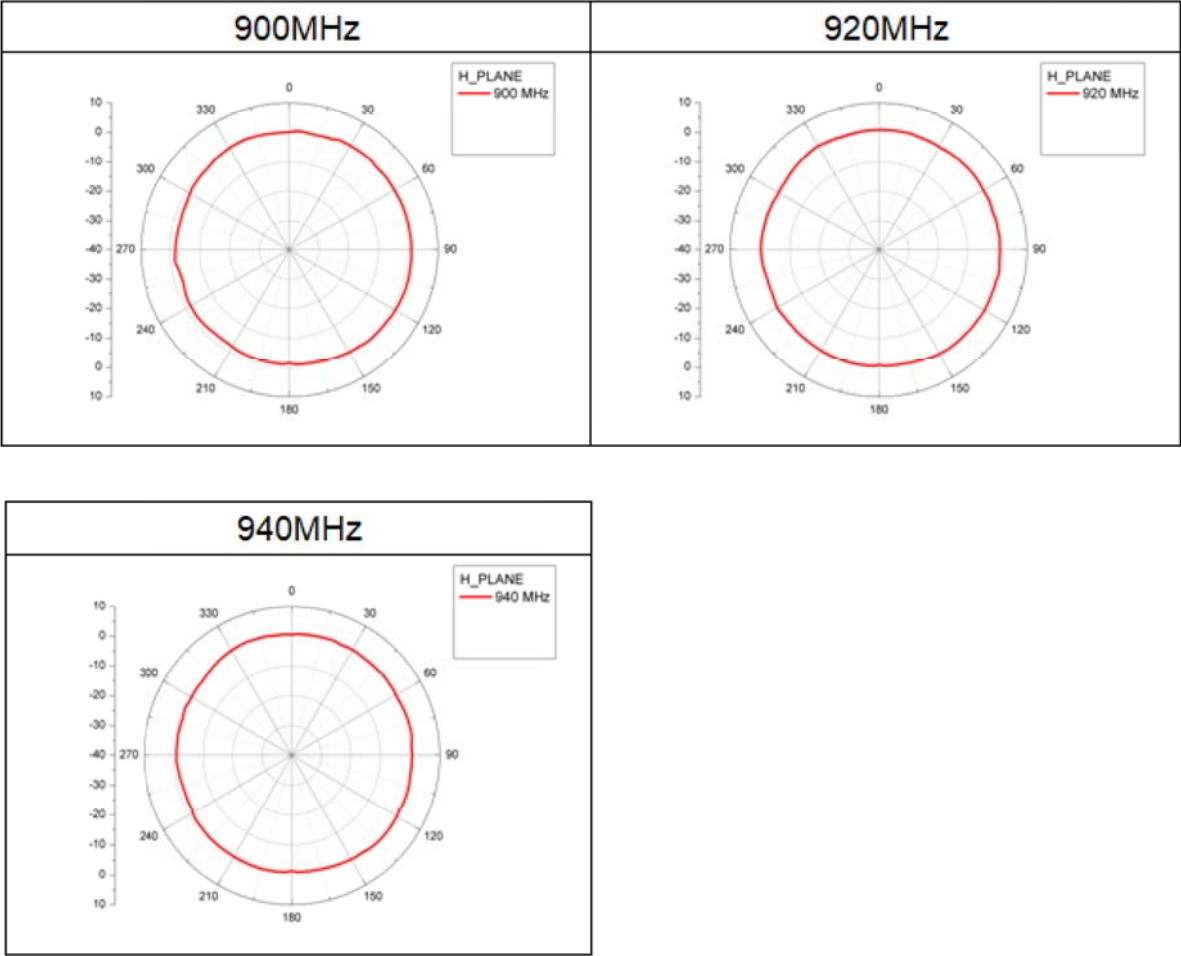
V.S.W.R.



2.2 E-PLANE Pattern



2.2 H-PLANE Pattern

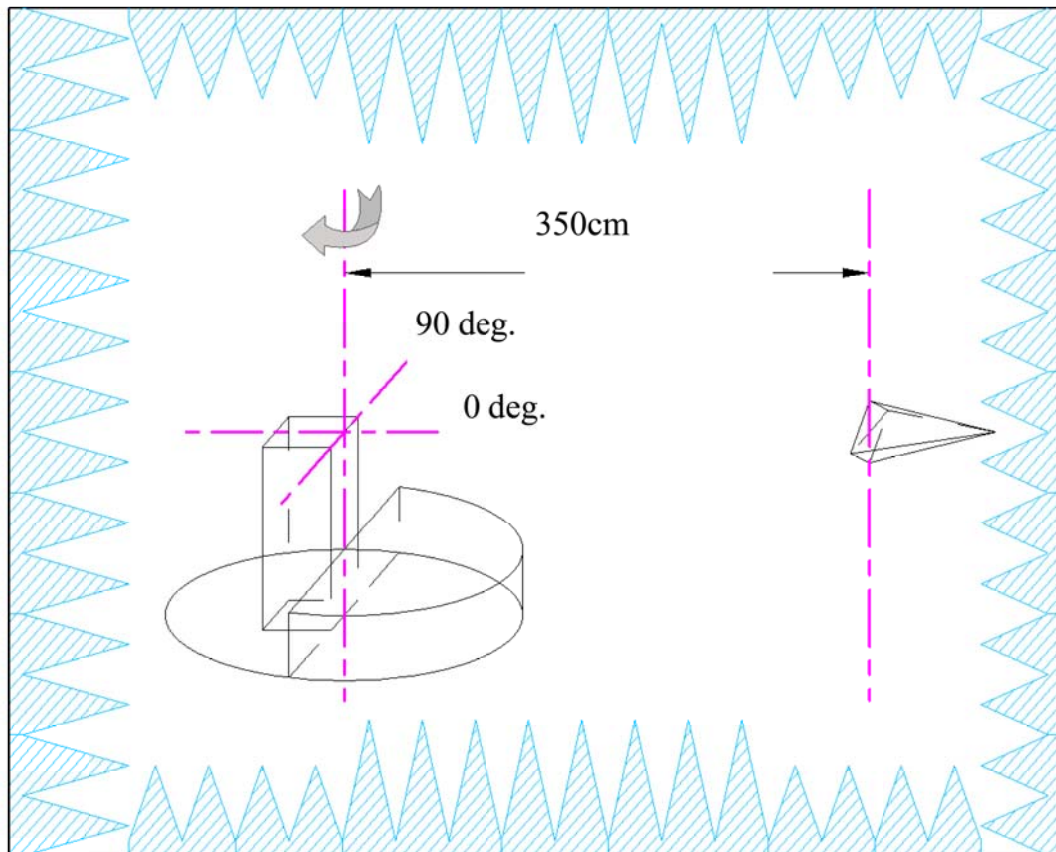


## Pattern Test Equipment

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

Source Antenna: ETS-3164 Dual Polarized Horn

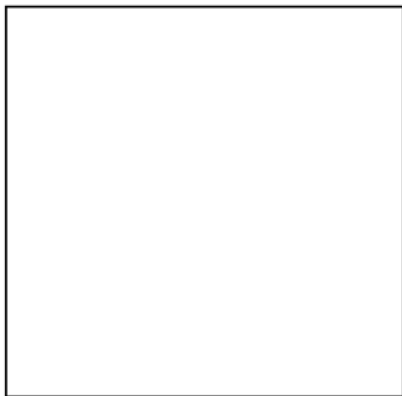
Network Analyzer: Agilent E5071B 100kHz~8.5GHz



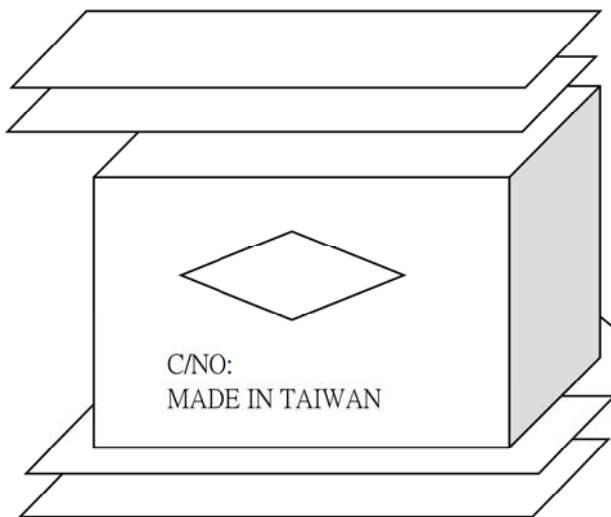
3. Package



- ① 1pcs antenna / 1 PE Antistatic bag  
PE Antistatic bag size 80\*250 mm  
PE Antistatic bag color : pink



- ② 50pcs antenna / 1 PE bag  
PE bag size 280\*450 mm



- ③ 500pcs antenna / 1 Carton + 2 Bubble Partition  
Carton size 320\*250\*230 mm  
Bubble Partition size 240\*310 mm

|            |     |
|------------|-----|
| MODEL No.: |     |
| Q'ty:      | PCS |
| N.W:       | PCS |
| G.W:       | PCS |

Packing q'ty is for reference only, adjust it based on production packing.