

# PRODUCT SPECIFICATION

| Model        | Description  |
|--------------|--------------|
| AIR-Y13A_NFC | IEEE802.15.4 |

| APPROVAL | REMARK | APPENDIX | DESIGNED   | CHECKED    | APPROVED   |
|----------|--------|----------|------------|------------|------------|
|          |        |          | 2025.05.14 | 2025.05.14 | 2025.05.14 |
|          |        |          | K.S.LEE    | K.S.AN     | I.U.KIM    |
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## ANTENNA SPECIFICATION

- 1. Model : AIR-Y13A\_NFC
- 2. Application : Operating frequency of 13.56 MHz (Receiving Only)
- 3. Hardware specification and mechanical

| MECHANICAL | SPECIFICATIONS  | REMARK       |
|------------|-----------------|--------------|
| Dimension  | 14.5mm x 22.4mm | #2. Attached |

- 5. Company information

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| <p><b>ATEC IoT Co.,Ltd.</b></p> <p>289, Pangyo-ro, Bundan-gu, Seongnam-si, Gyeonggi, Republic of Korea</p> <p>TEL : +82-31-696-9815</p> <p>PAX : +82-31-696-9899</p> |
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- 6. OPERATING TEMPERATURE

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|---|
| <p>Temperature : - 20°C / + 60°C</p> <p>Demands : Set Antenna for 48 hours each temperature.</p> <p>No visual and mechanical changes.</p> <p>Unchanged mechanically during the test.</p> <p>The antenna shall satisfy the electrical data</p> |
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## 7. HUMIDITY Condition

Condition : 80% / + 30°C ~ +50 °C

Measuring method

Antenna is placed in climatic chamber for 48 hours.

Antenna is taken out from the chamber and measured  
after another 24 hours in room temperature

Demands : No visual and mechanical changes.

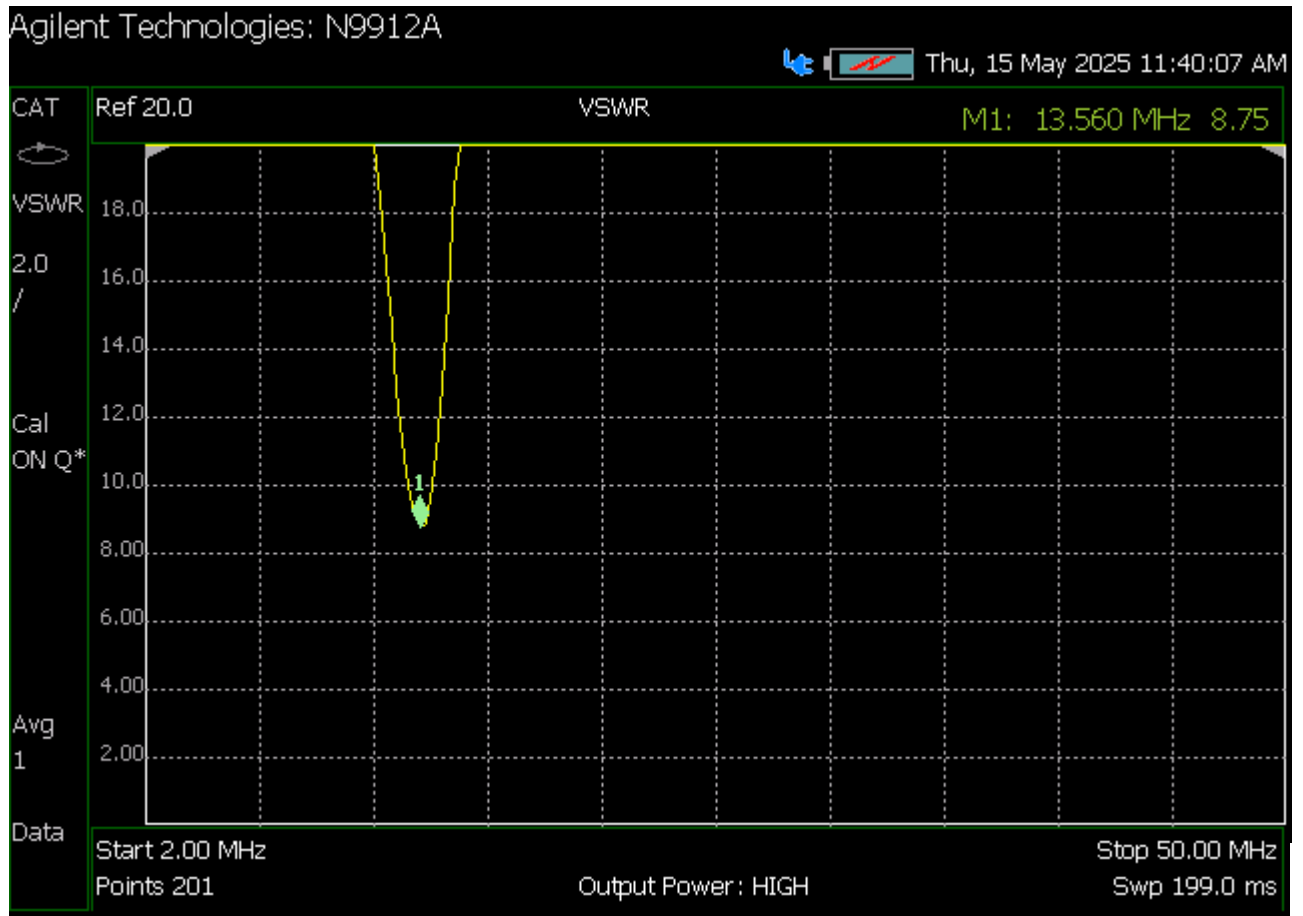
Unchanged mechanically during the test.

The antenna shall satisfy the electrical data.

## 8. TEST and Q/C

This specification is according to fixed demands and suitable *ATEC IoT* Q/C provision.

#1. Attached: VSWR



#2. Attached: Drawing paper

