

# PRODUCT SPECIFICATION

Model	Description
<b>AIR-R58A_NFC</b>	IEEE802.15.4

APPROVAL	REMARK	APPENDIX	DESIGNED	CHECKED	APPROVED
			2023.11.01	2023.11.01	2023.11.01
			K.S.AN	J.B.KIM	I.U.KIM



---

## ANTENNA SPECIFICATION

- 1. Model : AIR-R58A\_NFC
  
- 2. Application : Operating frequency of 13.56 MHz (Receiving Only)
  
- 3. Hardware specification and mechanical

MECHANICAL	SPECIFICATIONS	REMARK
Dimension	28mm x 24.65mm	#2. Attached

- 5. Company information

**ATEC IoT Co.,Ltd.**  
289, Pangyo-ro, Bundan-gu, Seongnam-si, Gyeonggi, Republic of Korea  
TEL : +82-31-696-9815  
PAX : +82-31-696-9899

- 6. OPERATING TEMPERATURE

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

---

## 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.

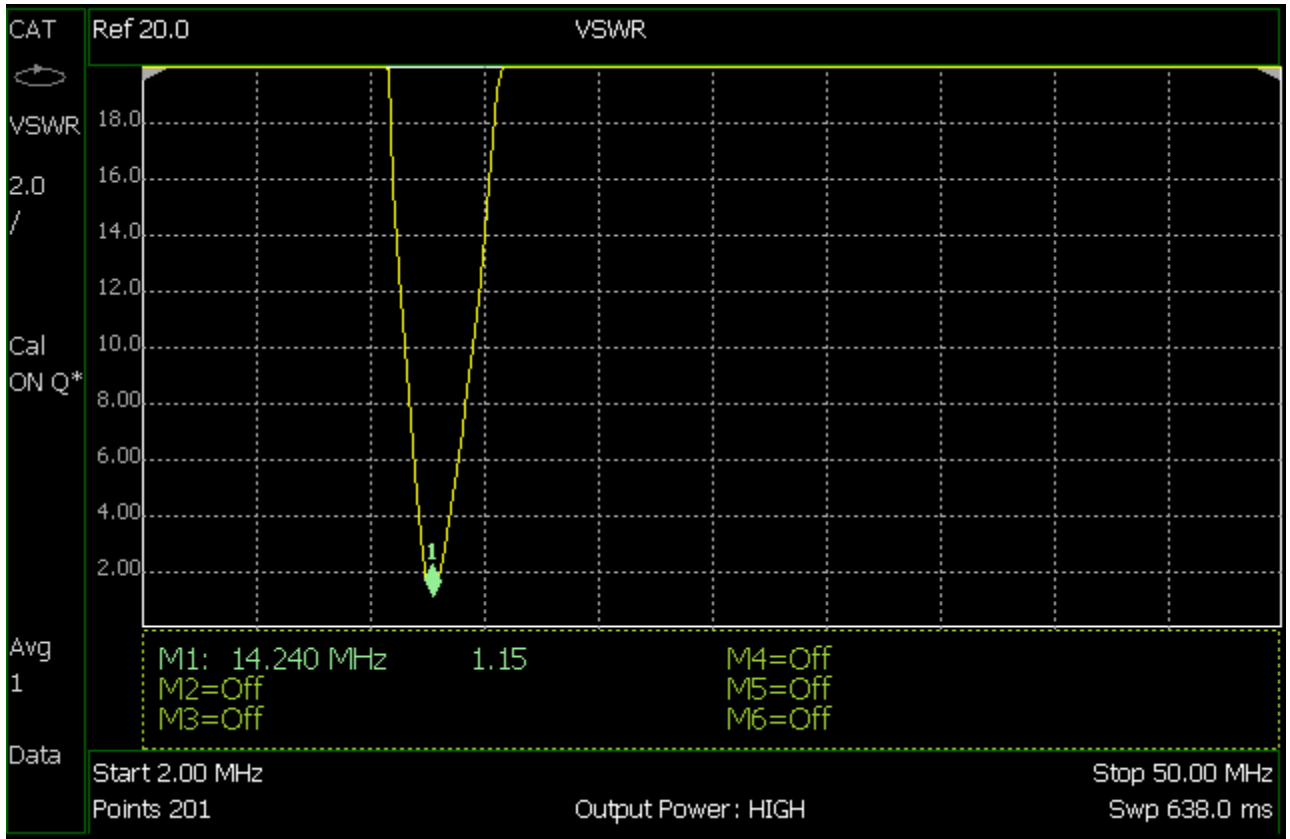
Unchanged mechanically during the test.

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

