

MW-6-N-311 — Antenna Dimension Drawing

English Translation of Original Chinese Technical Drawing

1. Original Drawing

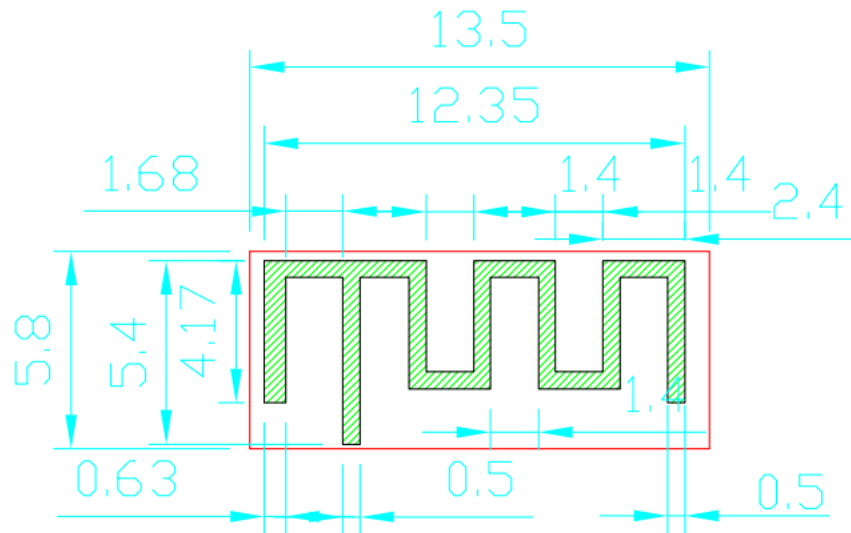


Figure 1: Original antenna dimension drawing (MW-6-N-311)

2. Drawing Overview

This document is an English translation of the technical dimension drawing for the MW-6-N-311 antenna. The original drawing is a mechanical engineering diagram showing a rod/dipole antenna with an N-type connector base, presented in front (elevation) view and bottom view.

Key components visible in the drawing:

- Radiating element (top rod section)
- Base housing
- N-type male connector at bottom
- Mounting thread interface

3. Electrical Specifications

Parameter	Value
Frequency Range	2400–2500 MHz / 5150–5850 MHz (dual-band)
Impedance	50 Ω
Polarization	Vertical
Gain	3 dBi / 5 dBi
VSWR	≤ 2.0
Power Handling	10 W

4. Mechanical Dimensions

Dimension	Value	Tolerance
Total Height	210.0 mm	± 1.0 mm
Radiator Length	130.0 mm	IT12
Base Height	80.0 mm	IT12
Radiator Outer Diameter	$\varnothing 12.0$ mm	IT12
Base Outer Diameter	$\varnothing 22.0$ mm	IT12
Mounting Hole Diameter	—	—
Weight	—	—

5. Connector Specification

Parameter	Value
Type	N-type Male (N-J)
Mounting Thread	N connector thread
Installation Torque	2.0 ± 0.3 N·m

6. Material & Finish

Item	Specification
Radiator Material	Brass / Copper alloy (H62 Brass)
Base Material	Brass (H62 Brass)
Surface Finish	Nickel plated
Color	White or Black
Sealing Method	Epoxy potting

7. Environmental Ratings

Parameter	Value
Operating Temperature	-40°C ~ +85°C

8. General Notes

- 1. Undimensioned tolerances shall be per IT12 grade.
- 2. All dimensions are in millimeters (mm).
- 3. Surface shall be free from scratches, oxidation, and other defects.
- 4. Antenna shall be mounted vertically.
- 5. Connector installation torque: 2.0 ± 0.3 N·m.

9. Title Block Information

Field	Content
Drawing Title	Antenna Dimension Drawing
Drawing No.	MW-6-N-311
Revision	A
Scale	1:1
Material	H62 Brass
Designed by	FN-LINK TECHNOLOGY LIMITED
Reviewed by	—
Approved by	—

— End of Document —

