

ME A-868-915-N

SigFox/LoRA/ISM antenna

Part #: 189-00045-01



Description

The MEA-868-915-N is a high performance ultra rugged antenna that covers a broad frequency range of 868MHz – 915MHz. This antenna is fully compatible with SigFox/LoRA/ISM standards. The MEA-868-915-N is a dipole antenna which is ideal for various installations for IOT, smart metering, digital signage and industrial monitoring. The antenna is supplied with a N-Type connector and is light weight. The UV resistant coated fiberglass housing makes this antenna suitable to be mounted in very challenging robust outdoor environments. The antenna is IP 65 rated.

Electrical Specifications

Parameter	Specification
Frequency Range	868-915 Mhz
Gain	6 dBi
Return Loss	-10 dBi
V.S.W.R	≤ 2
Radiation	Omni-Directional
Polarization	Vertical
Impedance	50 Ω

Features

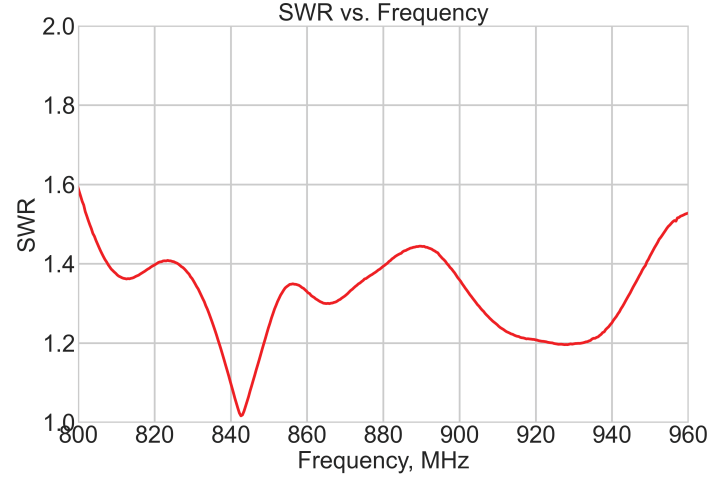
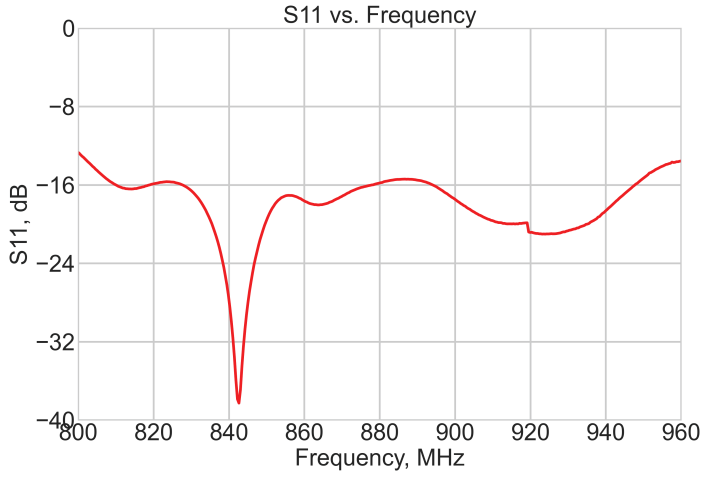
- SigFox/LoRA/ISM (868MHz – 915MHz)
- High performance for increased coverage
- UV protected
- IP65 Rated
- N-Type Connector

Mechanical Specifications

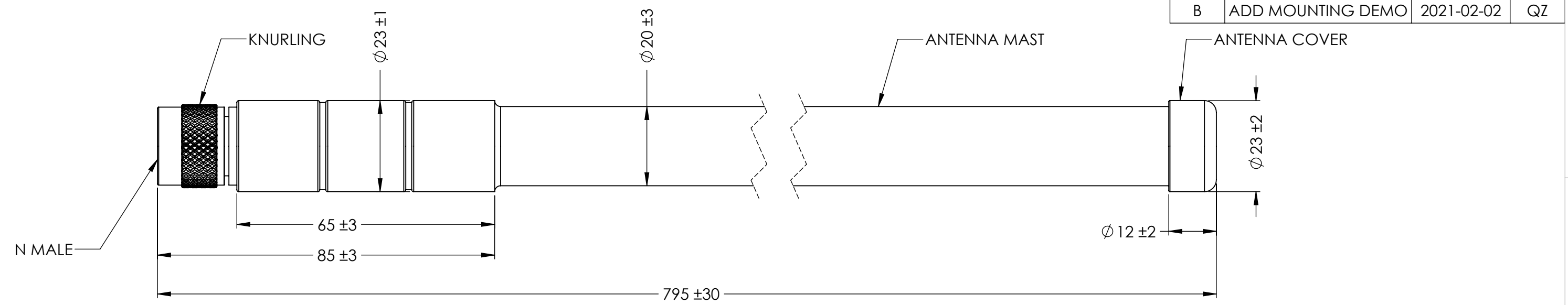
Parameter	Specification
Antenna Dimensions	Φ 23 x 795mm
Operating Temperature	-40 °C to +80 °C
Environmental	IP65
Connector	N Male
Antenna Color	White

Applications

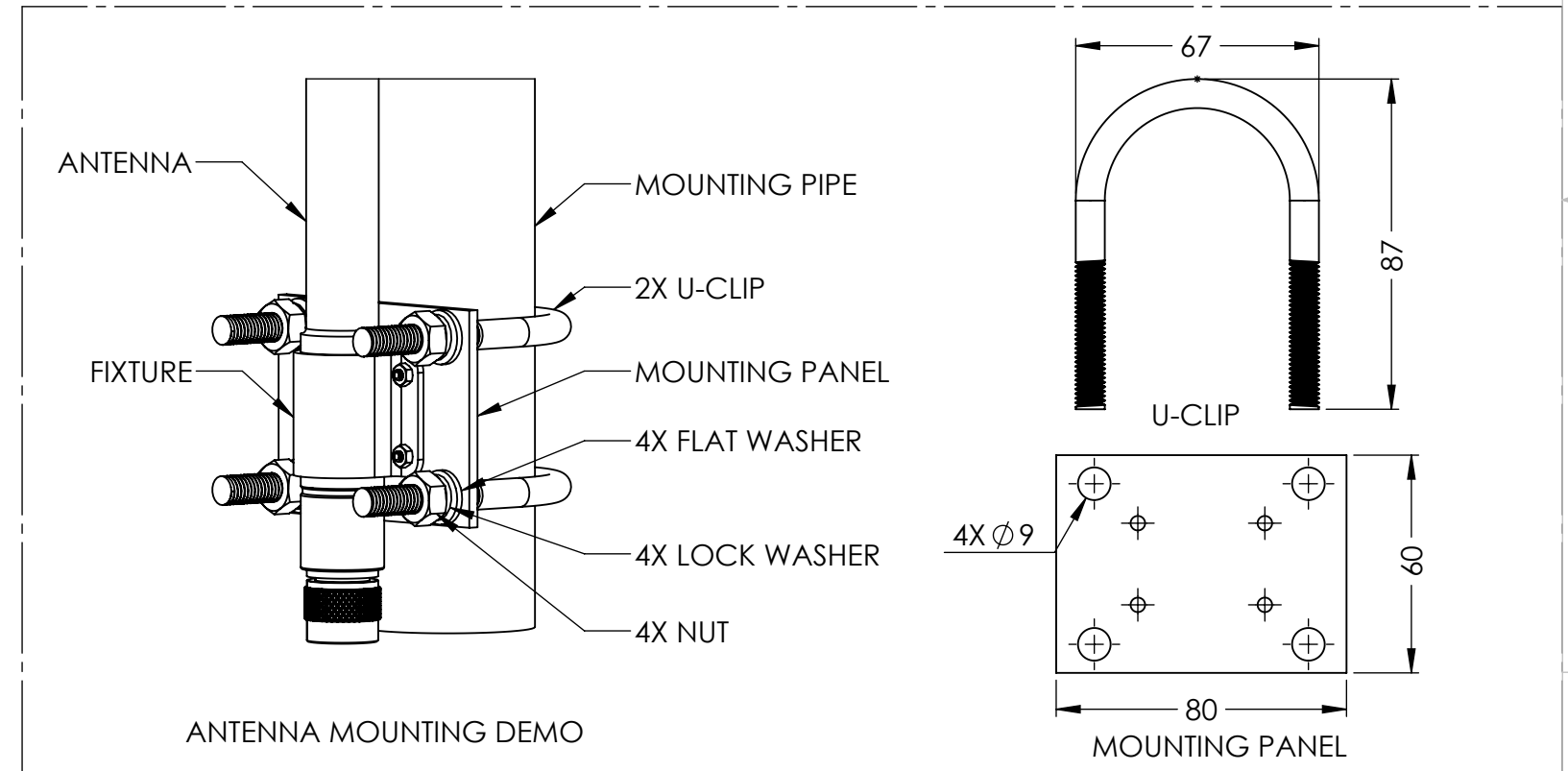
- Smart Metering
- Industrial Monitoring
- Remote Control
- IOT & M2M
- Connected Buildings



DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-11-18	QZ
B	ADD MOUNTING DEMO	2021-02-02	QZ



- NOTES:
1. FREQUENCY: 868-915MHZ
 2. GAIN: 6 dBi
 3. IMPEDANCE: 50 OHM
 4. VSWR: 2.0 MAX
 5. RADIATION: OMNI
 6. CONNECTOR: N MALE
 7. POLARIZATION: VERTICAL
 8. RADOME: UV RESISTANT, WHITE
 9. OPERATION TEMPERATURE: -40 °C~ 80 °C



ITEM 189-00045-01 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-11-18	QZ

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM	DRAWN	QZ 2021-02-02
TOLERANCES:	CHECKED	ZX 2021-02-03
FRACTIONAL ±	ENG APPR.	NPC 2020-02-04
ANGULAR: MACH ± .5° BEND ±	MFG APPR.	
INTEGER ±2	Q.A.	
ONE PLACE DECIMAL ±1.0		
INTERPRET GEOMETRIC TOLERANCING PER:	CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.	
	DO NOT SCALE DRAWING	

MAXTENA, INC		
TITLE: 189-00045-01		
ME A-868-915-N		
SIZE	DWG. NO.	REV
B	117-00371-01	B
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1