



# MEQ-433-01-SMA

433 MHz ISM Connector Mount

Part #: 100-00229-01



## Description

The MEA-411-01-SMA is a high efficient screw-mount ISM band antenna operating at 433MHz. The antenna is also offered for 433 MHz, 868MHz & 915MHz applications. This antenna was designed for LoRa & Sigfox IOT applications in mind. The high efficiency and high gain design provide the antenna consistent and stable connectivity.

The antenna housing consists of black UV resistant plastic, IP 56 rated housing, and a SMA male connector. The small size and high performance make this antenna an ideal solution for any ISM type of applications.

## Electrical Specification

Parameter	Specification
Frequency Range	433-435 MHz
Band	433 MHz
Return Loss	-15.0 dB
VSWR	1.4:1
Efficiency	51.7%
Peak Gain	-0.6 dBi
Average Gain	-2.9 dB
Impedance	50 Ω
Polarization	Linear
Radiation Pattern	Omni-Directional
Max Input Power	25 W

## Mechanical Specification

Parameter	Specification
Antenna Dimensions	Ø 9 x 48 mm
Operating Temperature	-40°C to + 85°C
Mounting Type	Connector Mount
Connector	SMA-Male Standard (Other Connectors Available)
Radome Type	TPC-ET
Radome Color	Black
Substance Compliance	RoHS

Mounted on Ground Plane of 150x50 mm

## Features

- Small Form Factor
- High Performance
- Frequency range 433-435MHz
- Antenna size D x H (9 x 48.0mm)
- RoHS Compliant
- Connector Type: SMA Male

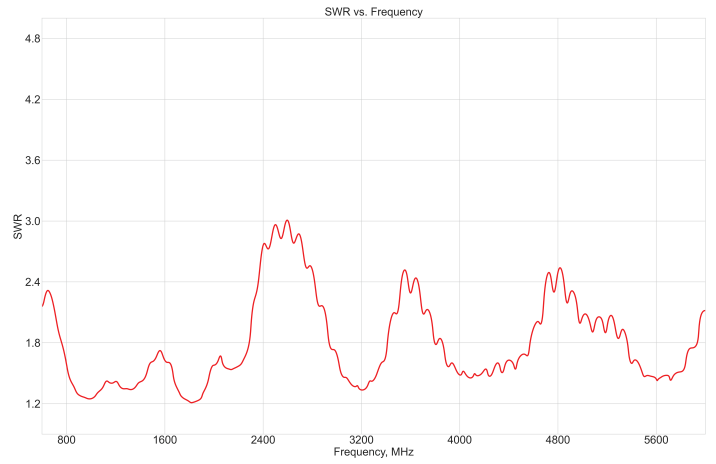
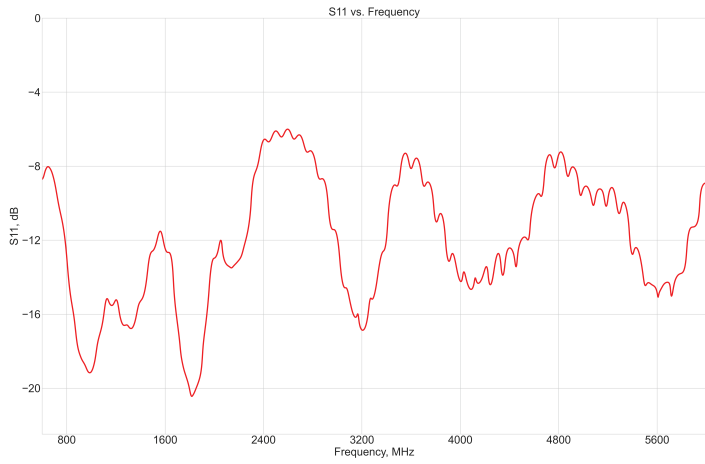
## Applications

- Public safety
- M2M applications
- Wireless applications
- Smart meters
- Transportation
- Mesh network



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