



MEA-915-SW-SMA

915 MHz ISM Screw Mount
Part #: 100-00182-01

Description

The MEA-915-SW-SMA is a high efficient screw-mount ISM band antenna operating at 915MHz, with a very high-performance ideal for maintaining constant network connectivity. This antenna was designed for LoRa & Sigfox IOT applications in mind. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance and low profile make this antenna ideal for the most challenging installations. This screw mount antenna is easy to install with maximum durability offering IP67 rated housing and anti-rotation mounting.



Electrical Specifications

Parameter	Specification
Frequency Range	902-928 MHz
Band	915 MHz
Return Loss	-16.1 dB
VSWR	1.4:1
Efficiency	55.1%
Peak Gain	4.0 dBi
Average Gain	-2.6 dB
Impedance	50 Ω
Polarisation	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
Connector Type	SMA-Male Standard
Mounting Type	Screw Mount
Random	ABS UV Stable
Radome color	Black
Substance Compliance	RoHS
Certificates	IP67, IP69

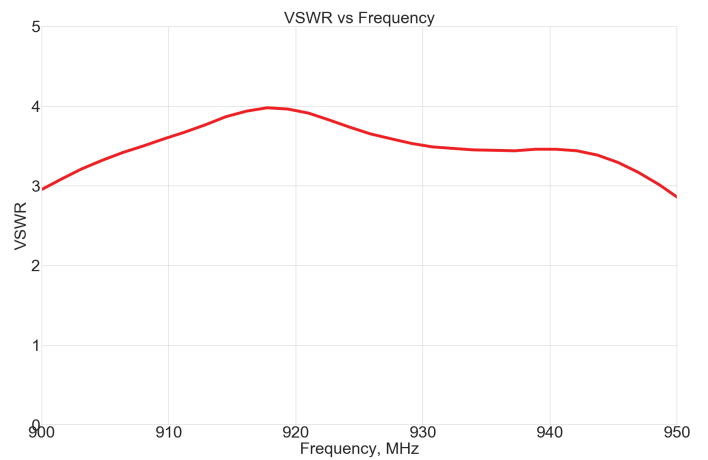
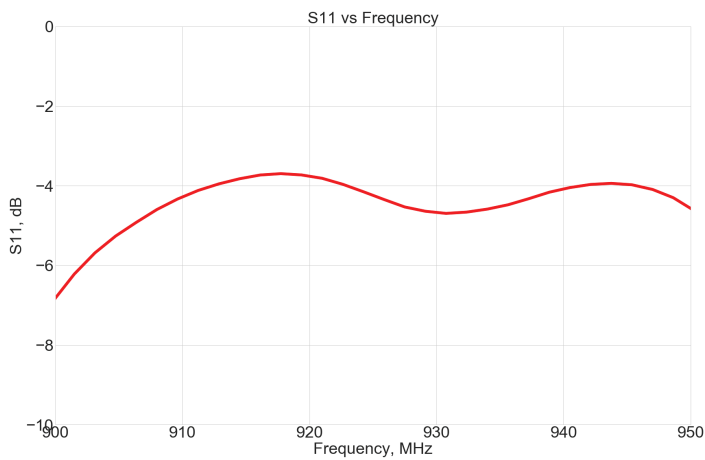
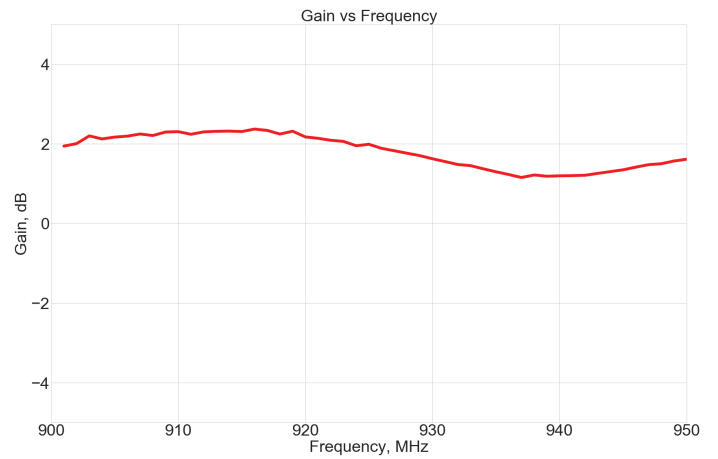
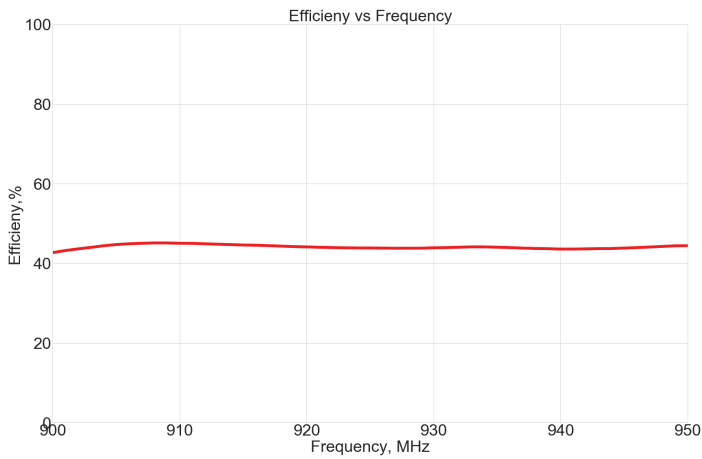
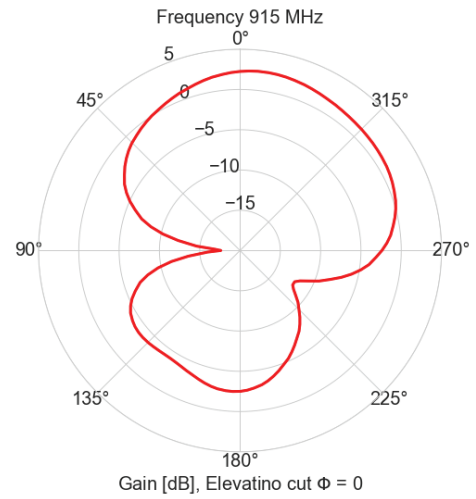
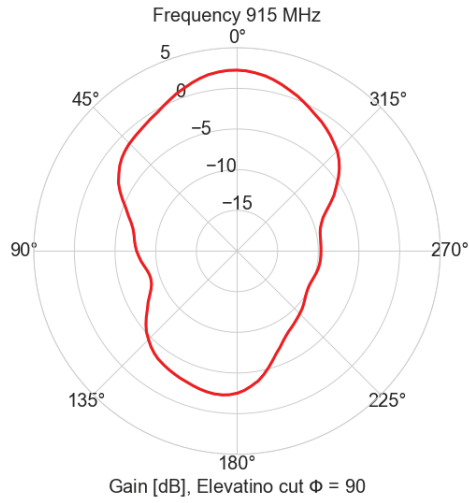
*Mounted on Ground Plane of 30 x 30 cm

Features

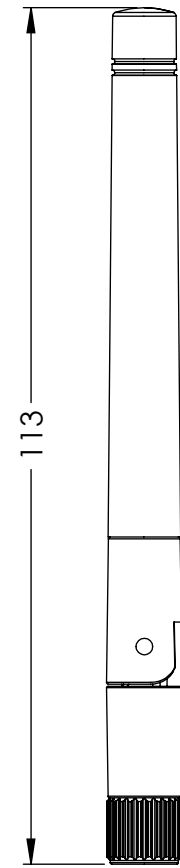
- 915 MHz ISM - 902-928 MHz
- LoRa/ Sigfox/ NB-IOT
- Screw Mount
- Anti-Rotation Mechanism
- Ground Plane Independent
- Customizable Cable and Connector
- Low Profile Dimensions Ø 9 x 48 mm
- IP67, IP69

Applications

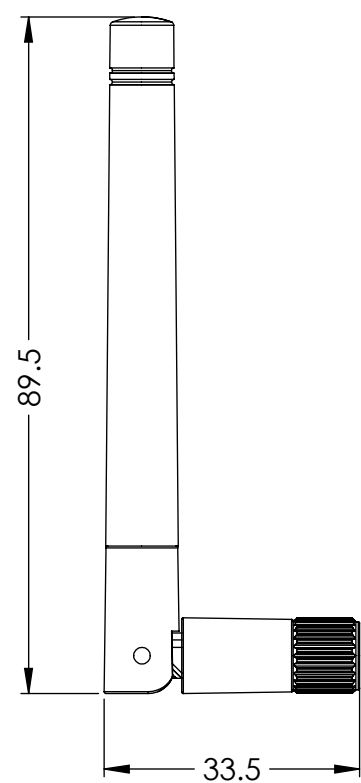
- Remote mesh networks
- Smart meters
- IOT
- Public Safety



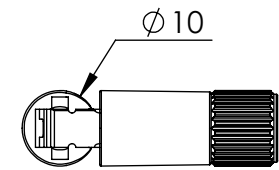
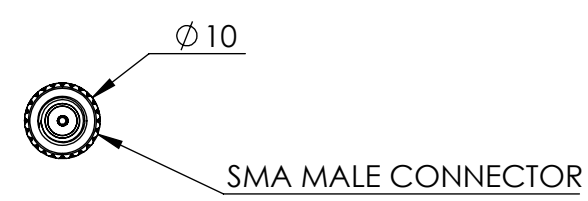
DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2021-06-24	SZ
B	CHANGED MODEL	2022-01-14	SZ



STRAIGHT POSITION



90° ANGLE POSITION



NOTES:

1. FREQUENCY (ZigBee, ISM, SIGFOX, LoRa): 902-928 MHz
2. MOUNTING TYPE: CONNECTOR MOUNT (HINGED)
3. MATERIALS:
 - RADOME TYPE: ABS UV STABLE
 - RADOME COLOR: BLACK
4. OPERATING TEMPERATURE: -40°C ~ +85°C
5. STORAGE TEMPERATURE: -40°C ~ +85°C
6. SUBSTANCE COMPLIANCE: RoHS

ITEM 100-00182-01 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
1	INITIAL RELEASE	2021-06-24	SZ

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TOLERANCES:	CHECKED	ZX 2021-06-24
FRACTIONAL: ±	ENG APPR.	NPC 2021-06-24
ANGULAR: MACH ± .5° BEND ±	MFG APPR.	
ONE PLACE DECIMAL ± 1.0	Q.A.	
TWO PLACE DECIMAL ± 0.50		
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TITLE: 100-00182-01 MEA-915-SW-SMA		
SIZE	DWG. NO.	REV
B	117-00473-01	B
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1