



MEA-4920-ISM

2.4/5.0 GHz ISM Connector Mount
Part #: 100-00279-01



Description

The MEA-4920-ISM connector mount Antenna is a low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-4920-ISM covers all WiFi, BT, ZigBee, and ISM standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The MEA-4920-ISM is easy to install with maximum durability offering IP67 rated housing and anti-rotation mounting. The high performance and low profile make this antenna ideal for the most challenging installations.

Electrical Specification

Parameter	Specification	
Frequency Range	2410-2490 MHz	4920-5925MHz
Band	2.4 GHz	5.0GHz
Return Loss	-13.3 dB	-4.6 dB
VSWR	1.6:1	4.3:1
Efficiency	67.7%	31.0%
Peak Gain	3.1 dBi	-0.2 dBi
Average Gain	-1.7 dB	-5.2 dB
Impedance	50 Ω	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max Input Power	25 W	

Mechanical Specification

Parameter	Specification
Antenna Dimensions	Ø12.5 x 34.7 mm
Operating Temperature	-40°C to + 85°C
Mounting Type	Connector Mount
Connector	SMA Male RP
Radome/Color	ASA/Black
Substance Compliance	RoHS

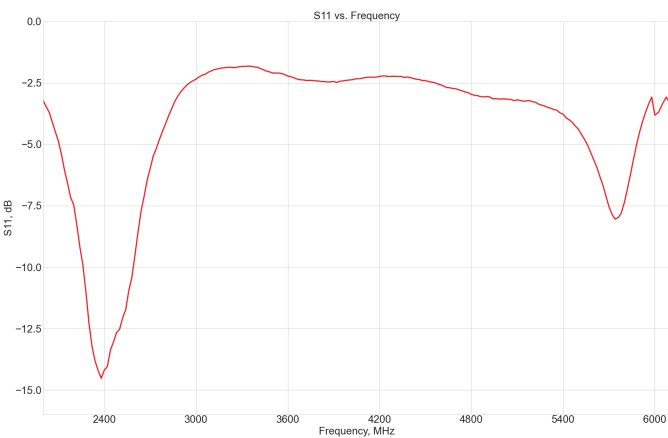
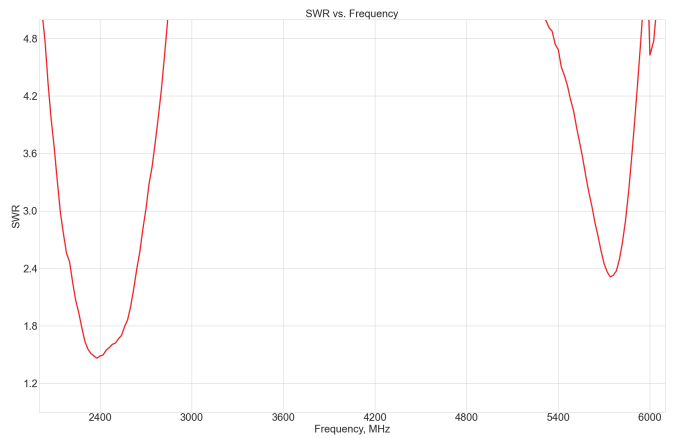
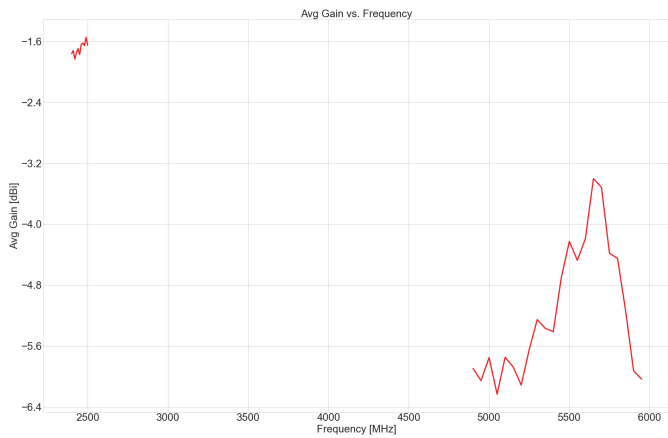
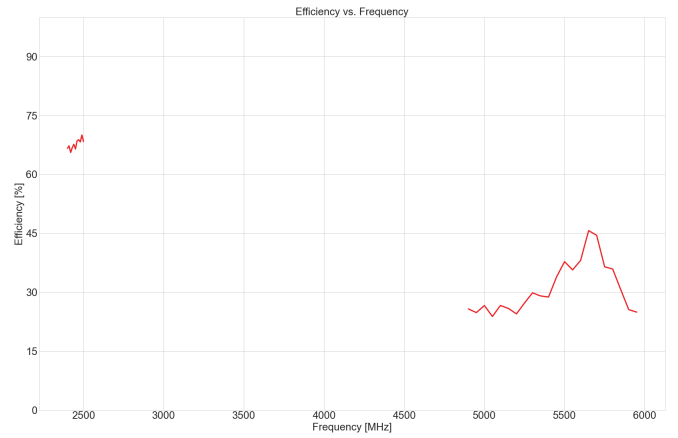
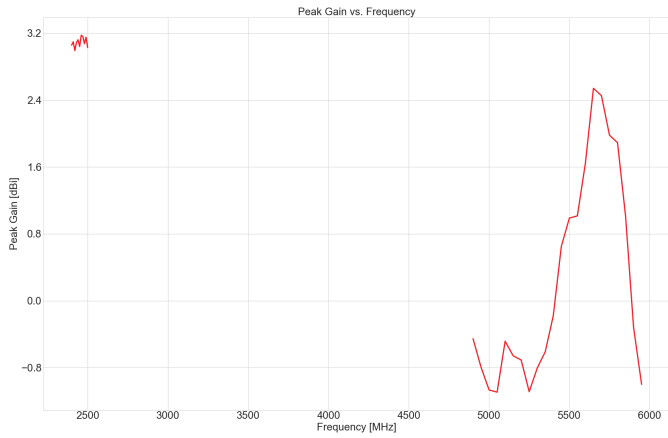
*Mounted on Ground Plane 70 x 35 cm

Features

- 2.4/5.0 GHz ISM, 2410-2490MHz, 4920-5925MHz
- Easy mounting: Connector Mount
- High performance
- High Gain
- Small Form Factor: Ø12.5 x 34.7 mm

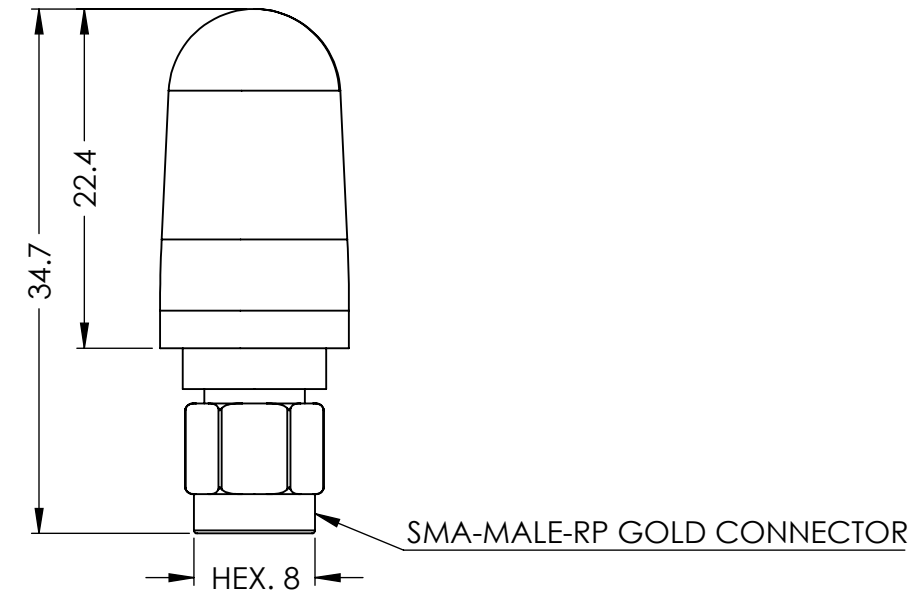
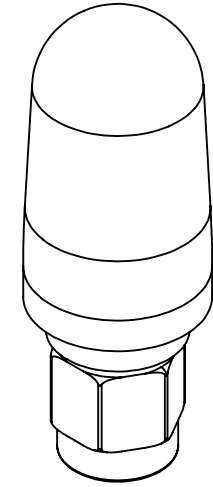
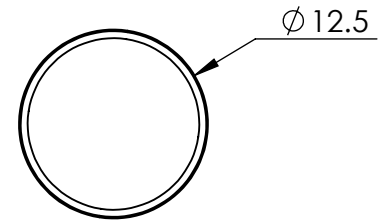
Applications

- WIFI applications
- Navigation and telematics systems
- IoT applications
- Automotive connectivity
- Multimedia
- Fleet management
- HD video and audio streaming



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DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-05-06	SZ



NOTES:

1. FREQUENCY (WIFI, BT, ZIGBEE, ISM) : 2410-2490 MHz, 4920-5925 MHz
2. MOUNTING TYPE: CONNECTOR MOUNT
3. CONNECTOR TYPE: SMA-MALE-RP GOLD
4. MATERIALS:
 - RADOME TYPE: ASA
 - RADOME COLOR: BLACK
5. OPERATING TEMPERATURE: -40°C ~ +85°C
6. STORAGE TEMPERATURE: -40°C ~ +85°C

ITEM 100-00279-01 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-05-06	SZ

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TOLERANCES:	CHECKED	ZX 2022-05-06
FRACTIONAL ±	ENG APPR.	NPC 2022-05-06
ANGULAR: MACH ± .5° BEND ±	MFG APPR.	
ONE PLACE DECIMAL ± 1.0	Q.A.	
TWO PLACE DECIMAL ± .50		
INTERPRET GEOMETRIC TOLERANCING PER:	CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.	
	DO NOT SCALE DRAWING	

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TITLE: 100-00279-01 MEA-4920-ISM		
SIZE	DWG. NO.	REV
B	117-00632-01	A
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1

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