



MEA-4920-CM

2.4/5.0 GHz ISM Connector Mount
Part #: 100-00276-01

Description

The MEA-4920-CM connector mount Antenna is a low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-4920-CM covers ISM standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The MEA-4920-CM 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	-14.7 dB	-12.8 dB
VSWR	1.4:1	1.7:1
Efficiency	60%	83%
Peak Gain	4.0 dBi	5.2 dBi
Average Gain	-2.2 dB	-0.9 dB
Impedance	50 Ω	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max Input Power	25 W	

Mechanical Specification

Parameter	Specification
Antenna Dimensions	53 x 10 x 18 mm
Operating Temperature	-40°C to + 85°C
Mounting Type	Connector Mount
Connector	Most RF Connectors
Radome/Color	ABS UV Stable/Black
Substance Compliance	RoHS

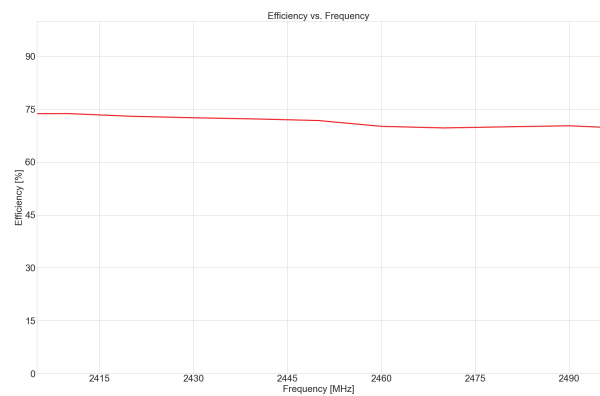
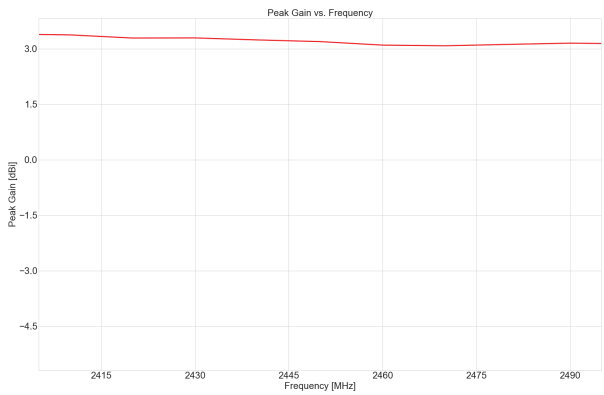
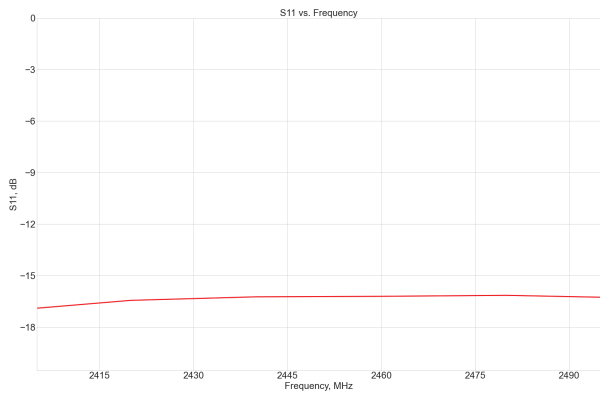
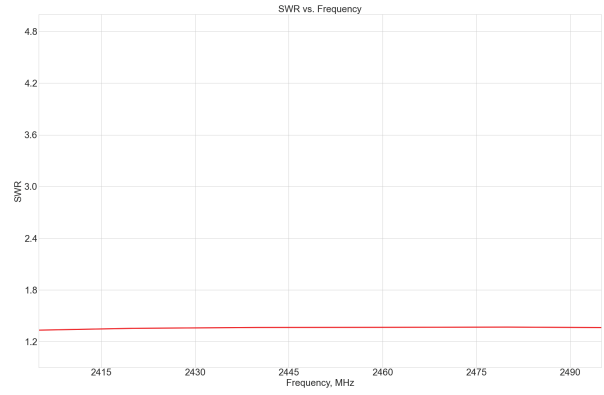
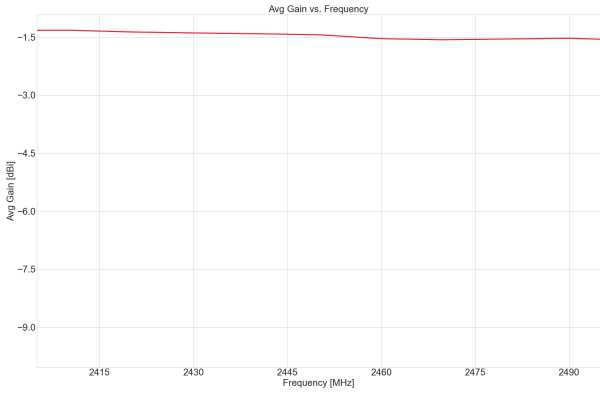
*Mounted on Ground Plane 70 x 35 cm

Features

- 2.4/5.0 GHz ISM, 2410-2490MHz, 4920-5925MHz
- High performance
- Easy mounting: Connector Mount
- High Efficiency
- Dimensions: 53 x 10 x 18 mm

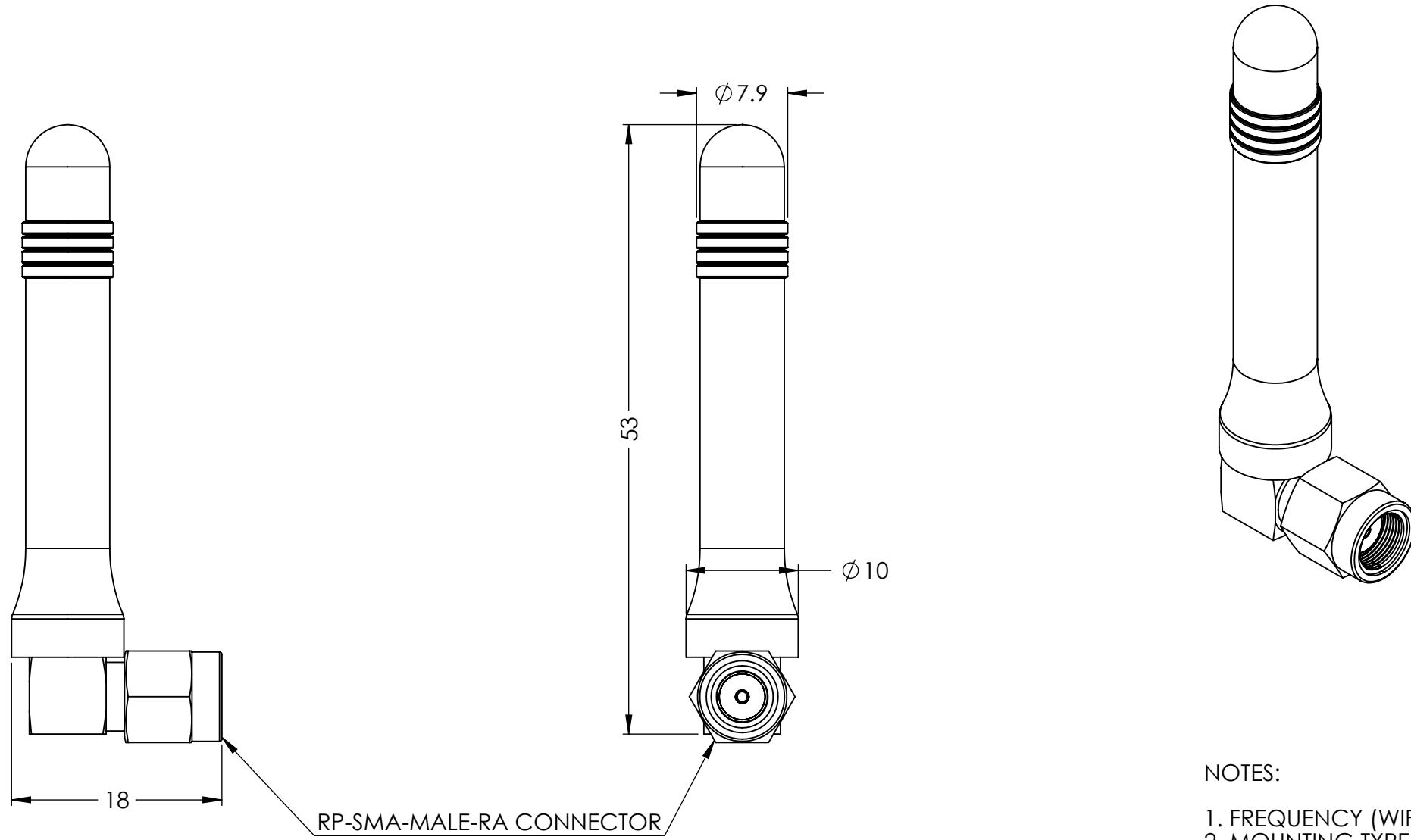
Applications

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



Maxtena Inc.
 7361 Calhoun Place, Suite 102
 Rockville, MD 20855
 1-877-629-8362
 info@maxtena.com
www.maxtena.com

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



NOTES:


1. FREQUENCY (WIFI, BT, ZigBee, ISM): 2410-2490 MHz, 4920-5925 MHz
2. MOUNTING TYPE: CONNECTOR MOUNT
3. MATERIALS:
 - RADOME: ABS UV STABLE
 - RADOME COLOR: BLACK
4. OPERATING TEMPERATURE: -40° C ~ +85° C
5. STORAGE TEMPERATURE: -40° C ~ +85° C

100-00276 CONFIGURATION TABLE		
DASH NO	CONNECTOR TYPE	RADOME COLOR
-01	RP-SMA-MALE-RA NICKEL	BLACK

ITEM 100-00276 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
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UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN MM
 TOLERANCES:
 FRACTIONAL ±
 ANGULAR: MACH ± .5° BEND ±
 ONE PLACE DECIMAL ± 1.0
 TWO PLACE DECIMAL ± .50

	NAME	DATE
DRAWN	JET	2022-05-06
CHECKED	ZX	2022-05-06
ENG APPR.	NPC	2022-05-06
MFG APPR.		
Q.A.		

INTERPRET GEOMETRIC TOLERANCING PER:

 THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

MAXTENA, INC

TITLE:
 100-00276
 MEA-4920-CM

SIZE B	DWG. NO. 117-00629-01	REV A
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CAGE CODE: 5KQH7 SCALE: NONE SHEET 1 OF 1

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