



MEA-2490-VM

2.4/5.0 GHz ISM Velcro/Adhesive Mount

Part #: 100-00210-01

Description

The MEA-2490-VM Velcro/Adhesive mount antenna is a low profile antenna solution, it is high-performance and ideal for maintaining constant network connectivity. The MEA-2490-VM covers all 2.4/5.0GHz ISM standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT WIFI system applications. The high performance and low profile make this antenna ideal for the most challenging installations.

This Velcro/Adhesive mount antenna is easy to install with maximum durability offering IP67 rated housing and anti-rotation mounting. The MEA-2490-VM has one cable with a SMA-Male standard connector, 1m standard cable length and is fully customizable by offering additional connector types, cable lengths and cable types.

Electrical Specification

Parameter	Specification	
Frequency Range	2410-2490 MHz	4920-5925 MHz
Band	2.4 GHz	5.0 GHz
Return Loss	-18.1 dB	-11.2 dB
VSWR	1.3:1	1.9:1
Efficiency	56.7%	34.2%
Peak Gain	3.4 dBi	2.6 dBi
Average Gain	-2.5 dB	-4.7 dB
Impedance	50 Ω	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power	25 W	

Mechanical Specification

Parameter	Specification
Antenna Dimensions	71 × 25 × 7 mm
Operating Temperature	-40°C to +85°C
Mounting Type	Velcro/Adhesive Mount
Connector	RP-SMA-Male (Other Connectors Available)
Cable Type	LL100
Radome	ABS UV Stable
Radome color	Black
Substance Compliance	RoHS

*Mounted on Plastic Plane of 30x30 mm



Features

- 2.4/5.0 GHz ISM frequency range
- Velcro/Adhesive Mount
- Ground Plane Independent
- Customizable Cable and Connector
- Low profile: 71 × 25 × 7 mm

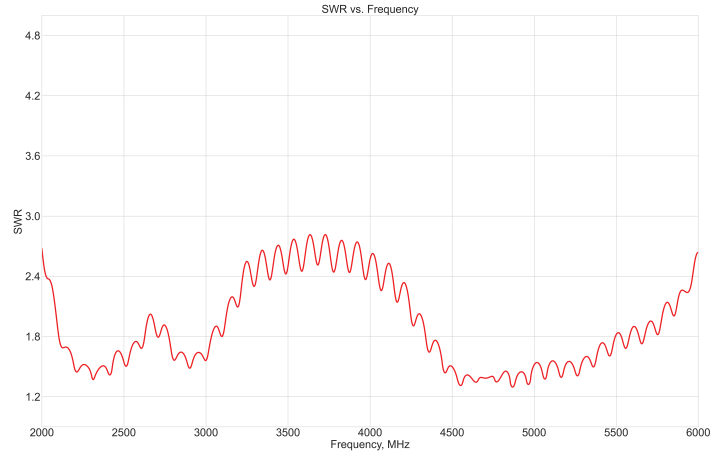
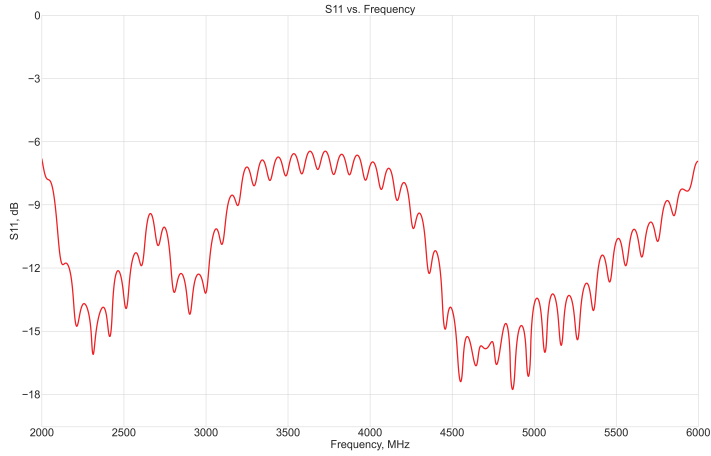
Applications

- Wi-Fi applications
- Navigation and telematics systems
- IOT
- 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

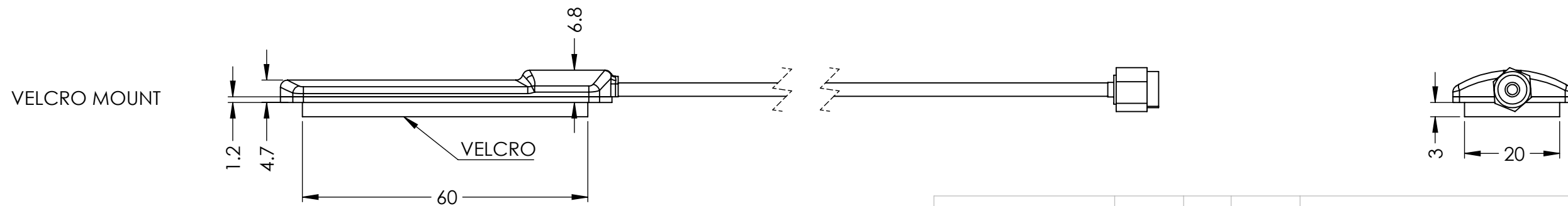
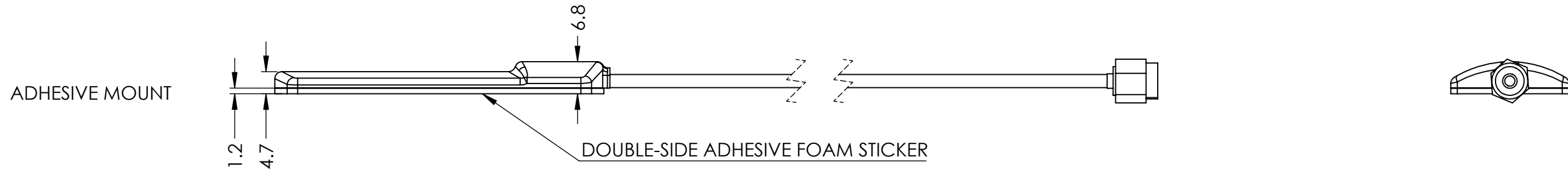
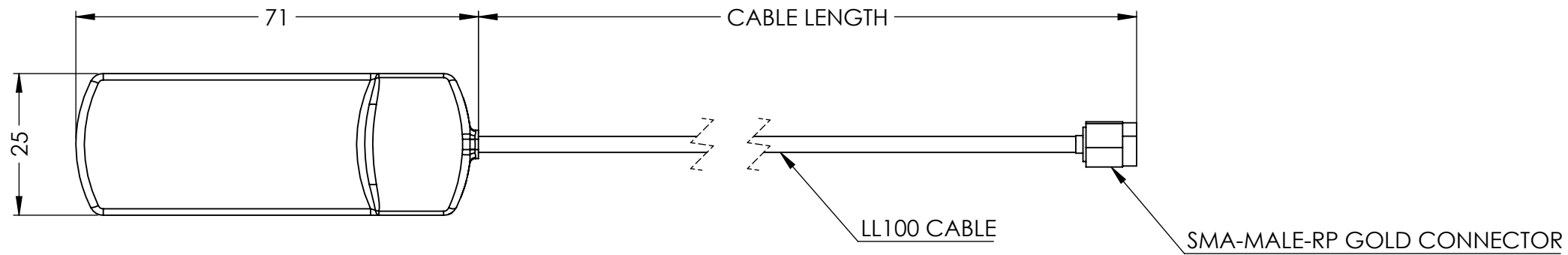
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- NOTES:
1. FREQUENCY (2.4/5.0 GHz ISM): 2410-2490 MHz, 4920-5925 MHz
 2. DIMENSIONS ARE AFTER MOUNTING
 3. CUSTOMIZABLE CABLE AND CONNECTOR TYPE
 4. MOUNTING TYPE: VELCRO/ADHESIVE MOUNT
 5. MATERIALS:
 - RADOME: ABS UV STABLE
 - RADOME COLOR: BLACK
 6. OPERATING TEMPERATURE: -40° C ~ +85° C
 7. STORAGE TEMPERATURE: -40° C ~ +85° C

DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2021-11-05	JET



UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM	DRAWN	JET 2021-11-05
TOLERANCES:	CHECKED	ZX 2021-11-05
FRACTIONAL: ±	ENG APPR.	NPC 2021-11-05
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	

100-00210 CONFIGURATION TABLE				
DASH NO	CABLE TYPE	CABLE LENGTH	CONNECTOR TYPE	RADOME COLOR
-01	LL100	100 CM	SMA-MALE-RP GOLD	BLACK

ITEM 100-00210 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2021-11-05	JET

MAXTENA, INC		
TITLE: 100-00210 MEA-2490-VM		
SIZE B	DWG. NO. 117-00538-01	REV A
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1