



MEA-7000-WIFI

2.4/5.0/6.0 GHz ISM Connector Mount

Part #: 100-00299-01

Description

The MEA-7000-WIFI connector Mount Antenna is a low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-7000-WIFI covers all 2.4/5.0/6.0 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 connector mount antenna is easy to install with maximum durability housing and anti-rotation mounting. The MEA-7000-WIFI has a hinged Connector and Fakra-I-Beige Connector.



Electrical Specification

Parameter	Specifications		
Standards	WiFi, 6E, BT, ZigBee, ISM, SigFox, LoRa		
Band	2.4 GHz	5.0 GHz	6.0 GHz
Frequency Range	2410-2490 MHz	4920-5925 MHz	5925-7125 MHz
Return Loss	~15.1	~6.5	~5.3
VSWR	~2.3:1	~3.1:1	~3.8:1
Efficiency (%)	~58.7	~33.0	~34.1
Peak Gain (dBi)	~2.0	~1.0	~2.0
Average Gain (dB)	~2.3	~2.1	~2.0
Impedance (Ohm)	50		
Polarization	Linear		
Radiation Pattern	Omni-Directional		
Max Input Power	25		
Connector Type	Fakra-I-Beige-Female		

Parameter	Specifications
Antenna Dimensions (mm)	81 x 14 x 10
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Mounting Type	Connector Mount
Radome/Color	POM/ Black
Substance Compliance	RoHS
Measured in	Certified CTIA 3D Anechoic Chamber

*Mounted on Ground Plane of 80x40mm

Features

- 2.4/5.0/6.0 GHz ISM - 2410-2490 MHz - 4920-7125 MHz frequency coverage
- Easy mounting: Connector Mount
- Wifi 6E Antenna
- Low Profile
- High Efficiency
- Hinged Connector
- Fakra-I-Beige Connector
- Dimensions 81 x 14 x 10 mm

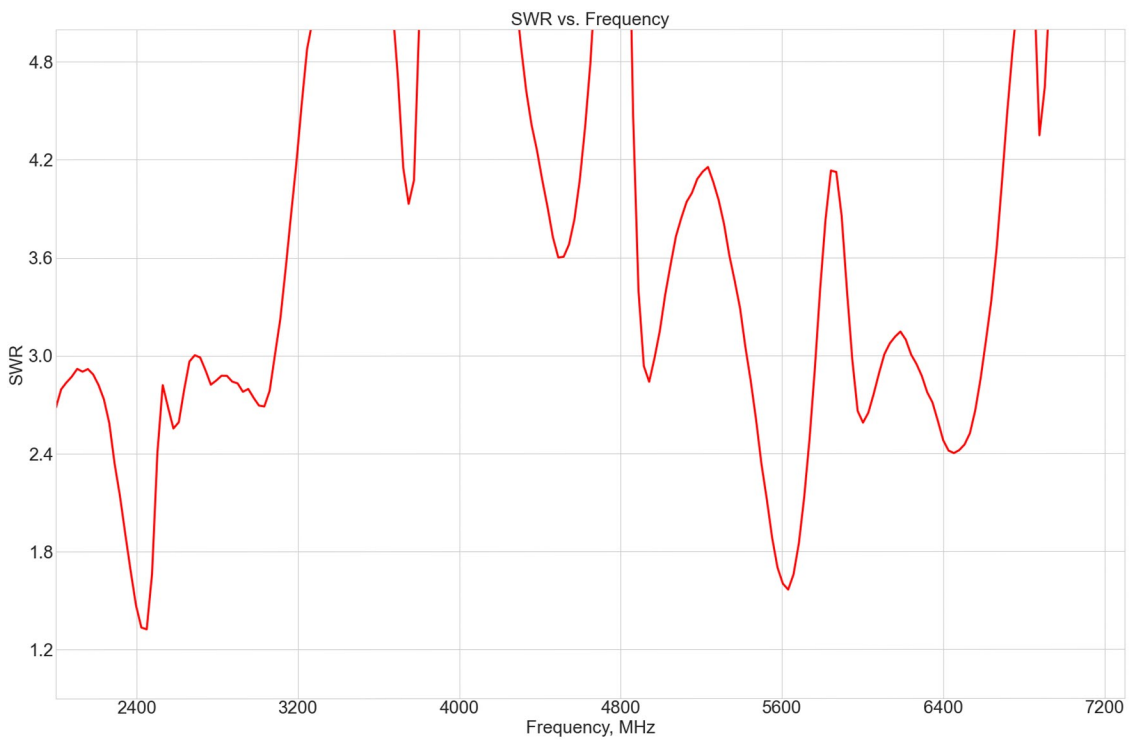
Applications

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

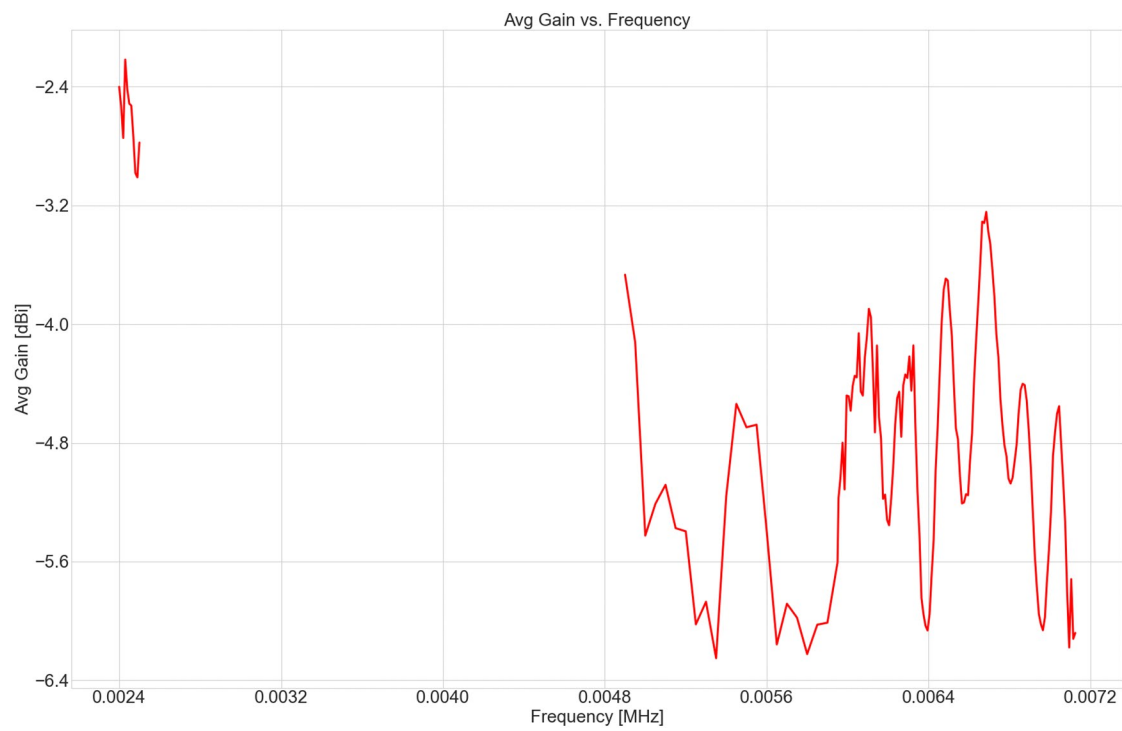
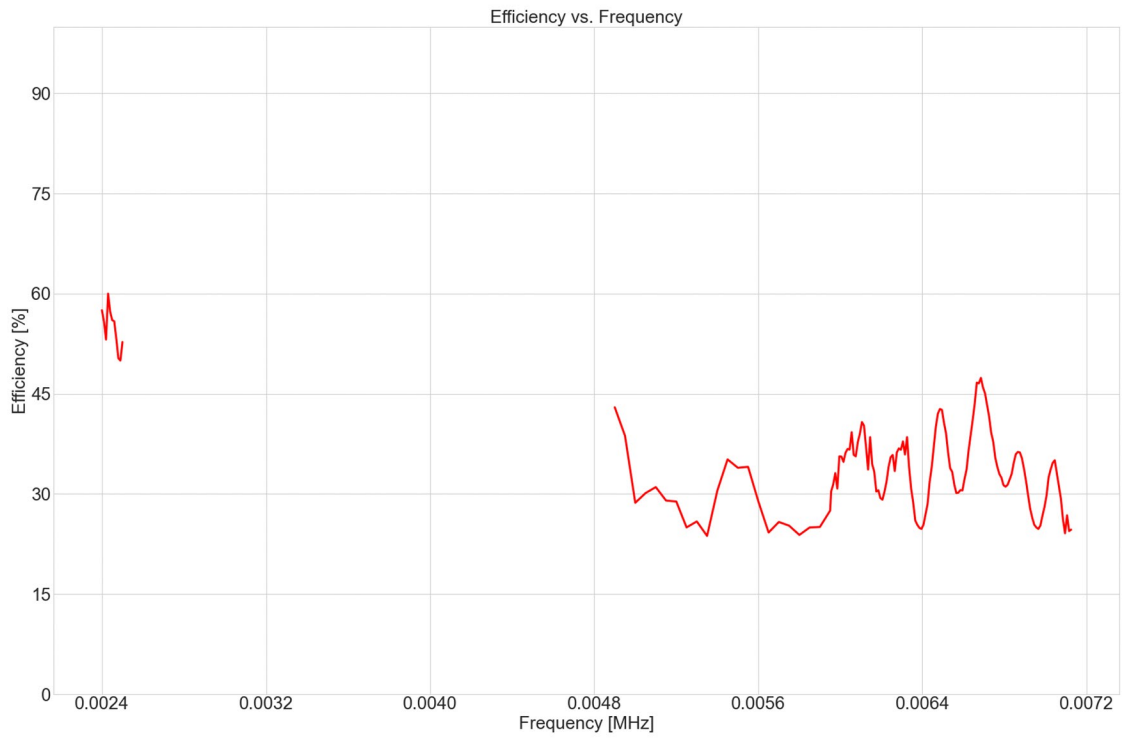


Maxtena Inc.
7361 Calhoun Place, Suite 102
Rockville, MD 20855
1-877-629-8362
info@maxtena.com

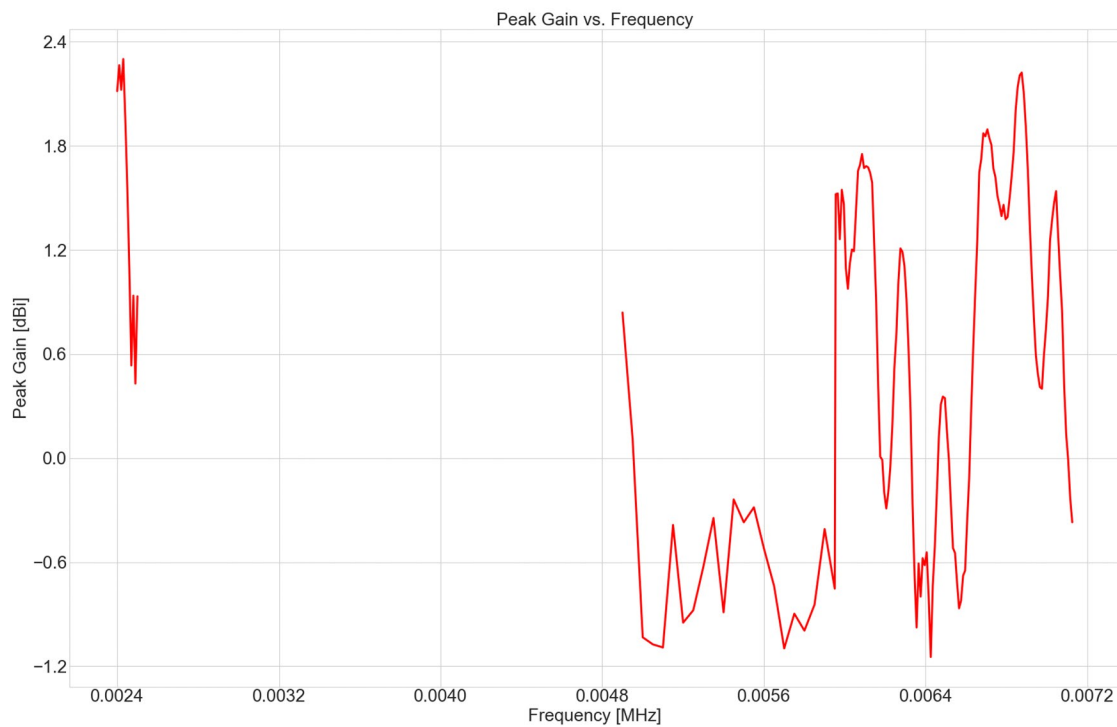
www.maxtena.com



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

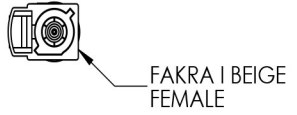
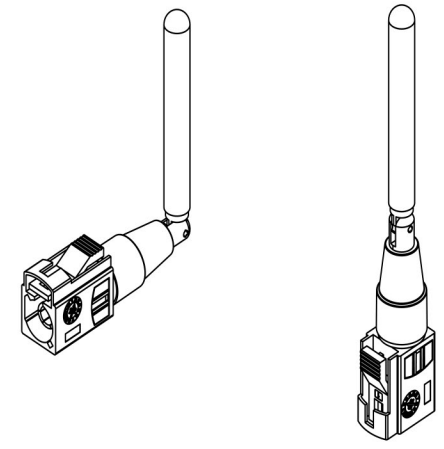
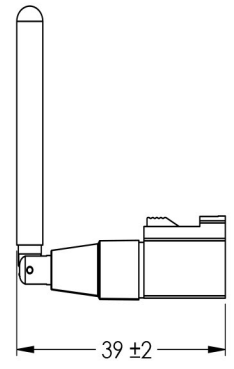
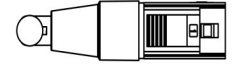
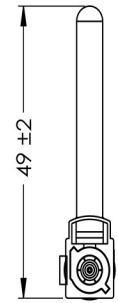
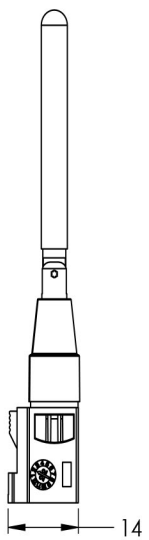
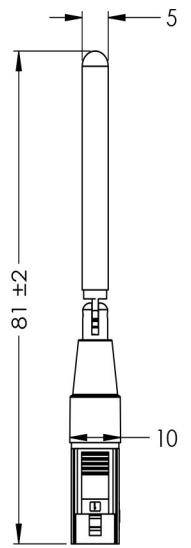


Maxtena Inc.
 7361 Calhoun Place, Suite 102
 Rockville, MD 20855
 1-877-629-8362
 info@maxtena.com
 www.maxtena.com



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	2022-08-30	MP



NOTES:

1. FREQUENCY: 2410-2490MHz, 4920-5925MHz, 5925-7125MHz
2. MOUNTING TYPE: CONNECTOR MOUNT
3. DIMENSIONS ARE AFTER MOUNTING
4. MATERIALS:
 - RADOME: POM
 - RADOME COLOR: BLACK
5. OPERATING TEMPERATURE: -40°C ~ +85°C
6. STORAGE TEMPERATURE: -40°C ~ +85°C

ITEM 100-00299 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-08-30	MP

100-00299 CONFIGURATION TABLE		
DASH NO	CONNECTOR TYPE	RADOM COLOR
-01	FAKRA I BEIGE FEMALE	BLACK

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM	DRAWN	MP 2022-08-30
TOLERANCES:	CHECKED	ZX 2022-08-31
FRACTIONAL ±	ENG APPR.	NPC 2022-09-08
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.	
THIRD ANGLE PROJECTION		
DO NOT SCALE DRAWING		

MAXTENA, INC		
TITLE:		
100-00299		
MEA-7000-WIFI		
SIZE	DWG. NO.	REV
B	117-00666-01	A
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAXTENA, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MAXTENA, INC IS PROHIBITED.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Maxtena:](#)

[MEA-7000-WIFI](#)