

MEA-960-LTE

OMNI-DIRECTIONAL ANTENNA

Part #: 100-00140-01

Description

The MEA-960-LTE is a rugged antenna that provides broad coverage 690 - 960 MHz & 1710 - 2700 MHz. The antenna is compatible with most 4G LTE standards. This is a high efficiency, high gain, omni-directional antenna. The antenna is 82 mm long, featuring a tilt-and-swivel SMA plug connector. It is rated IP63.

Electrical Specifications

Parameter	Specification
Frequency Range	690-960 / 1710-2700 MHz
VSWR	1:3.5
Impedance	50 Ω
Polarization	RHCP
Gain	3 dBi $\pm$ 1
Polarization	Vertical
Radiation	Omni-directional
Max Power	20 W

Mechanical Specifications

Parameter	Specification
Height	82 mm
Max Diameter	$\varnothing$ 12 mm
Min Diameter	$\varnothing$ 6 mm
Connector	SMA male
Lighting Protection	Grounding
Rating	IP63



Features

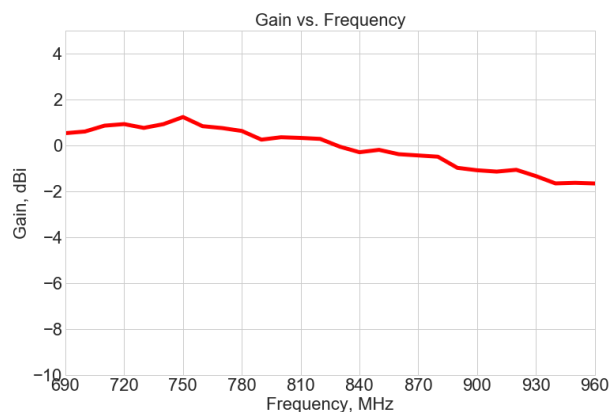
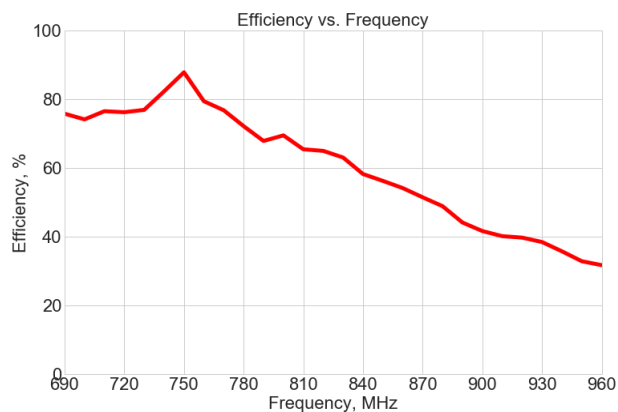
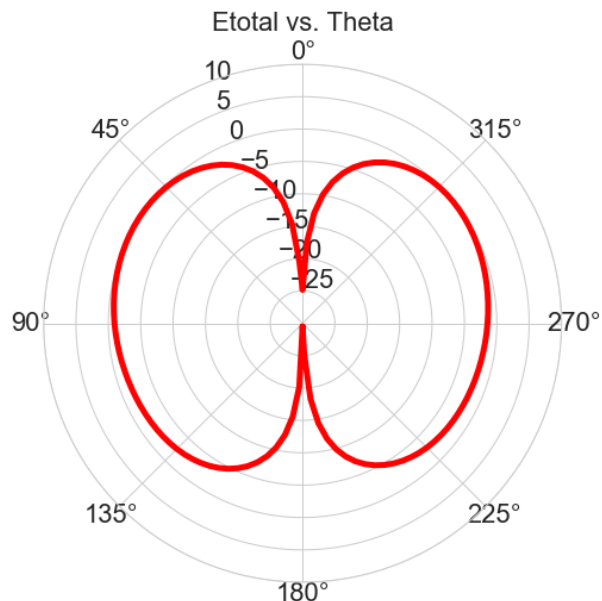
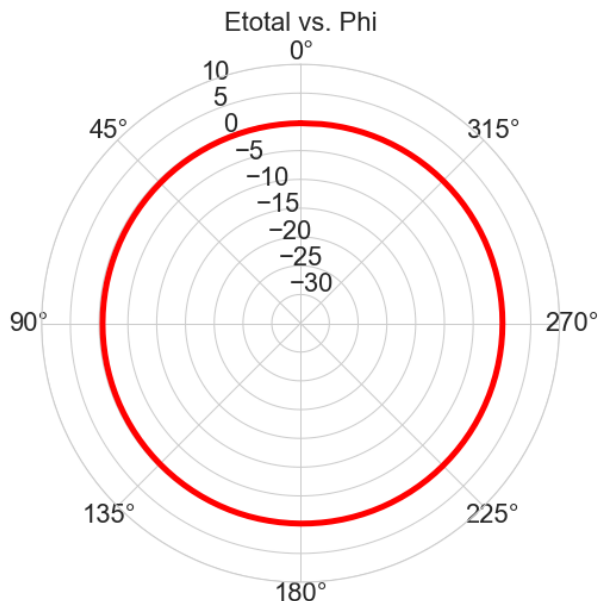
- 690 - 960 MHz / 1710 - 2700 MHz
- SMA Male Connector
- Efficient High Gain
- Tilt and Swivel Design
- Rugged
- IP63 Rating

Applications

- Telemetry
- Gateways
- IOT/M2M Applications
- Smart Metering

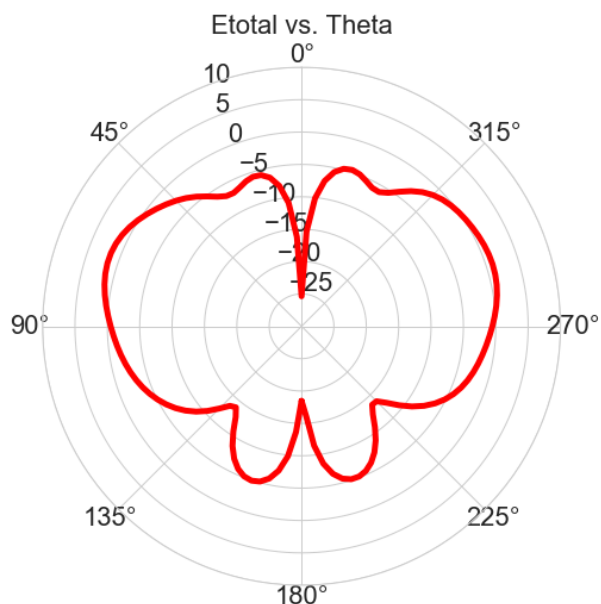
Radiation Performance

690 - 960 MHz

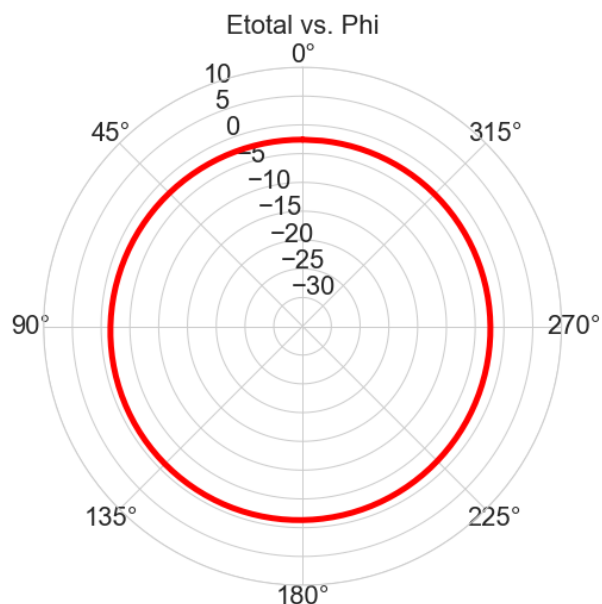


Radiation Performance

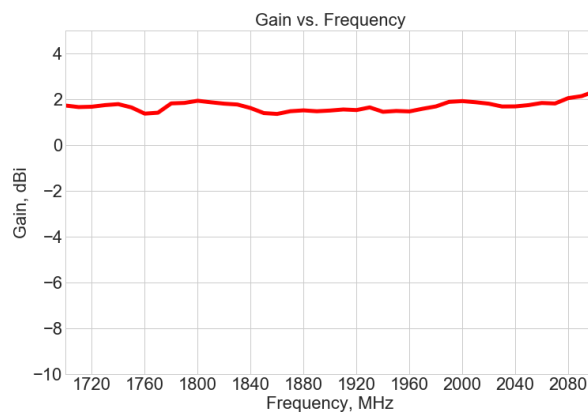
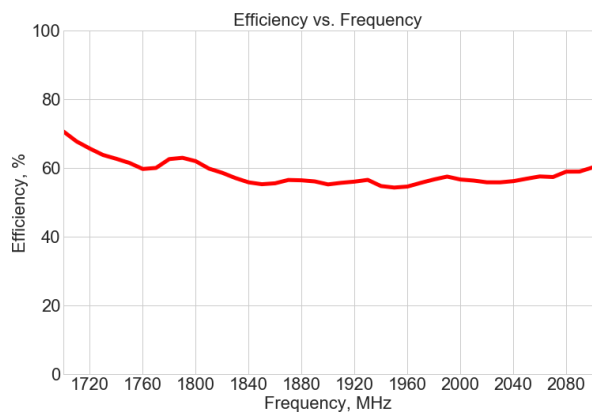
1710 - 2700 MHz

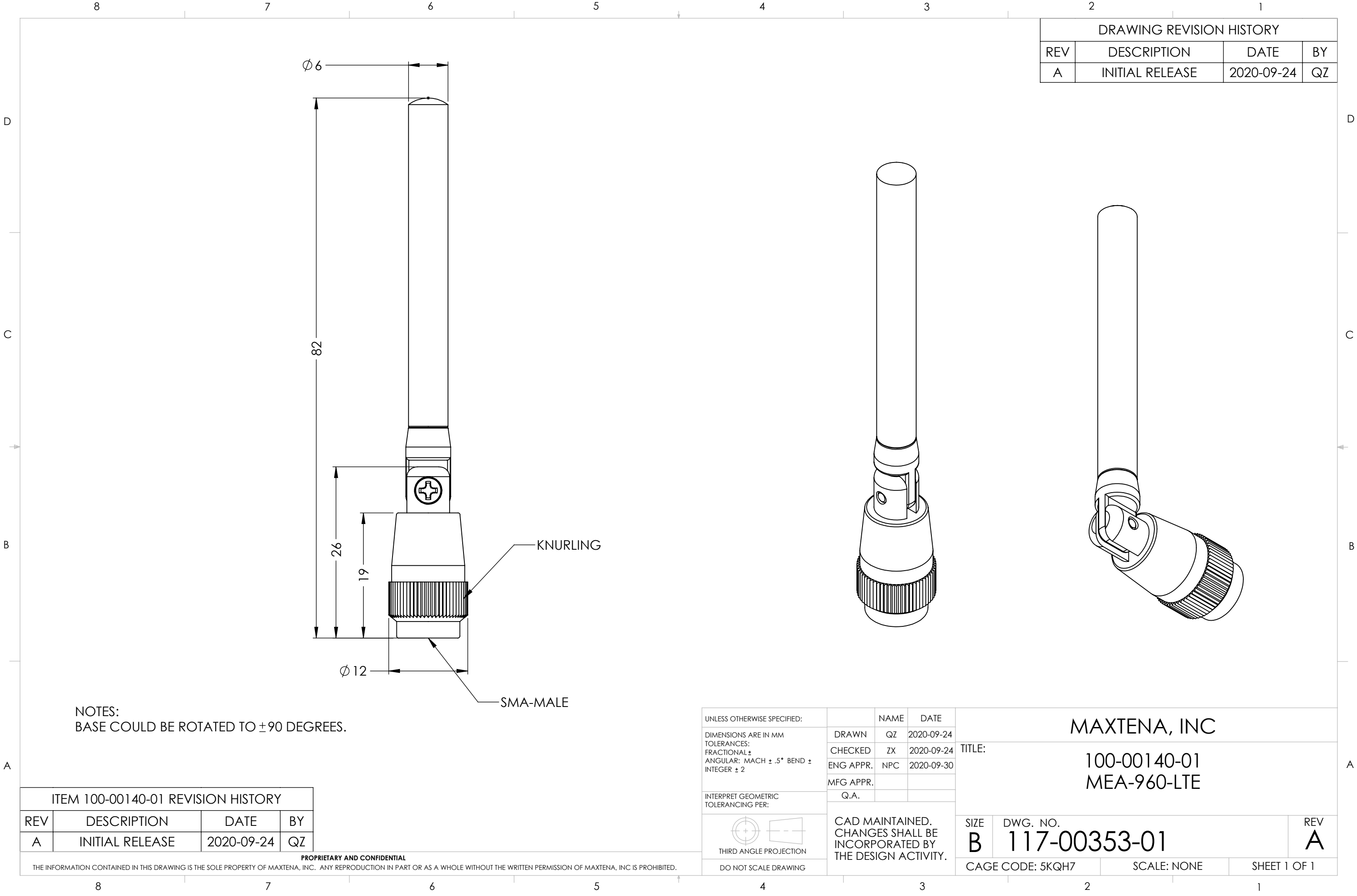


Gain dBi, Elevation Cut $\Phi = 0$, Frequency 1800.00(MHz)



Gain dBi, Conical Cut $\Theta = 45$, Frequency 1800.00(MHz)





DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-09-24	QZ

NOTES:
BASE COULD BE ROTATED TO ± 90 DEGREES.

ITEM 100-00140-01 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-09-24	QZ

PROPRIETARY AND CONFIDENTIAL

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	MAXTENA, INC	
DIMENSIONS ARE IN MM		DRAWN	QZ		
TOLERANCES:		CHECKED	ZX		
FRACTIONAL $\pm$		ENG APPR.	NPC		
ANGULAR: MACH $\pm .5^\circ$ BEND $\pm$		MFG APPR.			
INTEGER ± 2		Q.A.		TITLE:	
INTERPRET GEOMETRIC TOLERANCING PER:		CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		100-00140-01 MEA-960-LTE	
THIRD ANGLE PROJECTION		SIZE	DWG. NO.	REV	
DO NOT SCALE DRAWING		B	117-00353-01	A	
		CAGE CODE: 5KQH7		SCALE: NONE	
				SHEET 1 OF 1	

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