



MIA-HB-800-2700

Ultra-Wideband 4G LTE Antenna

Part #: 100-00273-01

Description

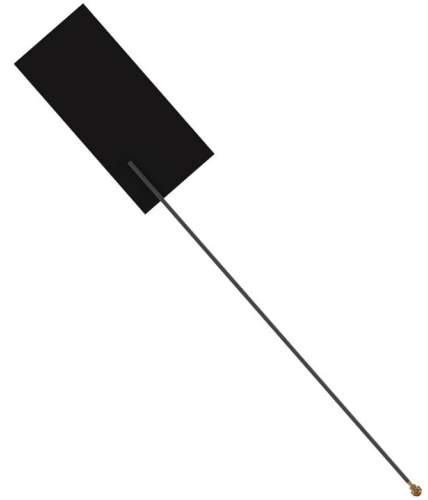
MIA-HB-800-2700 is an ultra-wideband hexa band embedded antenna that provides broad coverage 824 MHz- 960 MHz / 1710 MHz-2700 MHz and is compatible with most 4G LTE, 3G and 2G standards. This is a high efficiency high gain antenna ideally suited for LTE connectivity such as gateways, healthcare, HD video, routers, access points, repeaters and other LTE applications. The antenna is built out of flex material and is very easy to integrate. The antenna size is 52mm x 24mm featuring a 10 cm cable and IPEX connector.

Electrical Specification

Parameter	Specification	
Frequency Range	824-960	1710-2700MHz
Gain	2.5dBi	3dBi
VSWR	≤ 3.0	
Maximum Input Power	50 W	
Impedance	50 Ω	

Mechanical Specification

Parameter	Specification
Antenna Dimensions	52 x 24 x 0.1 mm
Weight	8g
Connector	IPEX
Cable Type	1.13cable
Radome	FPC
Operating Temperature	-40°C to+70°C
Humidity	15-70%RH
Compliant	RoHS



Features

- 4G/LTE 824-960MHz; 1710M-2700MHz
- Ground plane Independent
- High Efficiency across all bands
- Flexible embedded antenna
- Customizable cable and connector

Applications

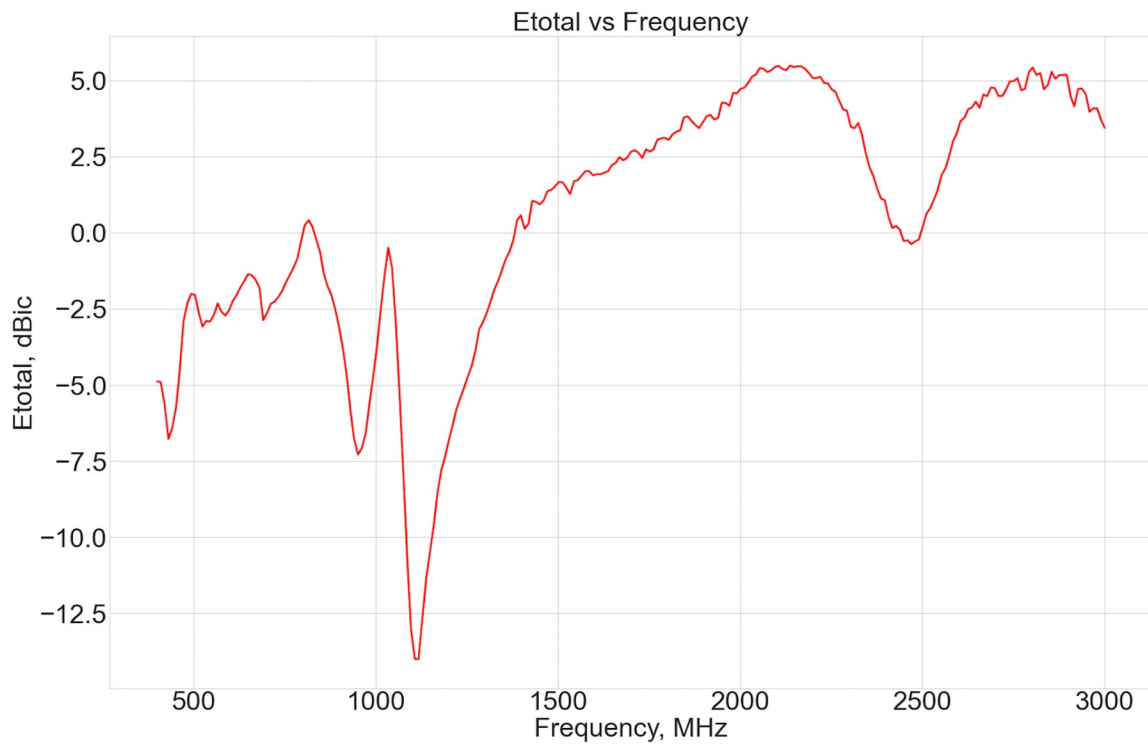
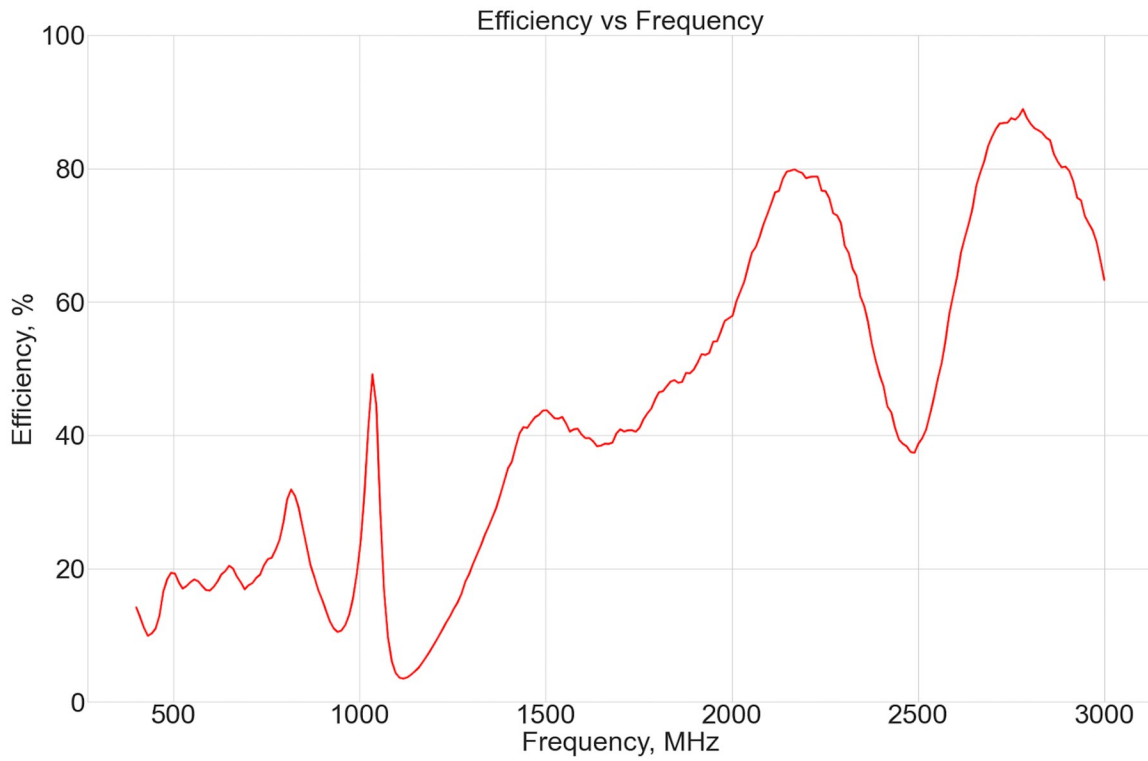
- IOT
- Smart City
- Vending Machines
- HD Video
- Gateways



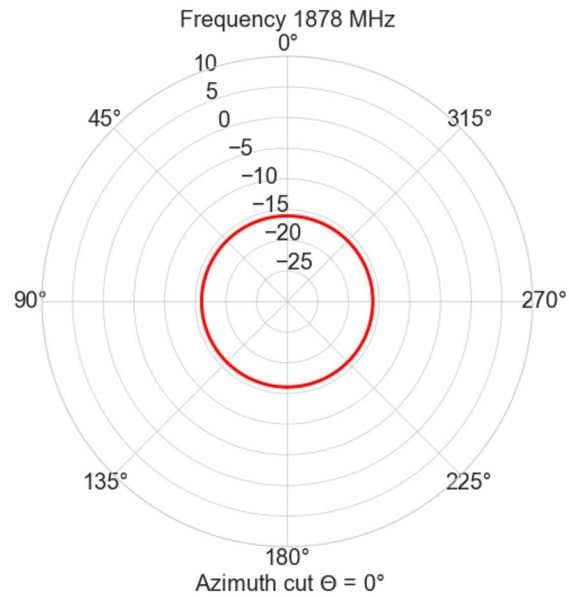
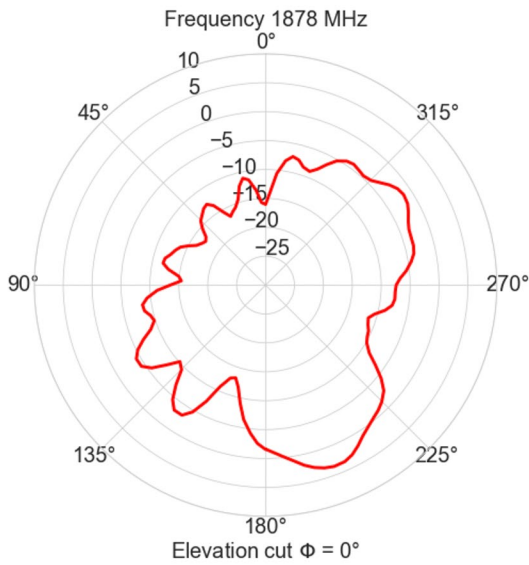
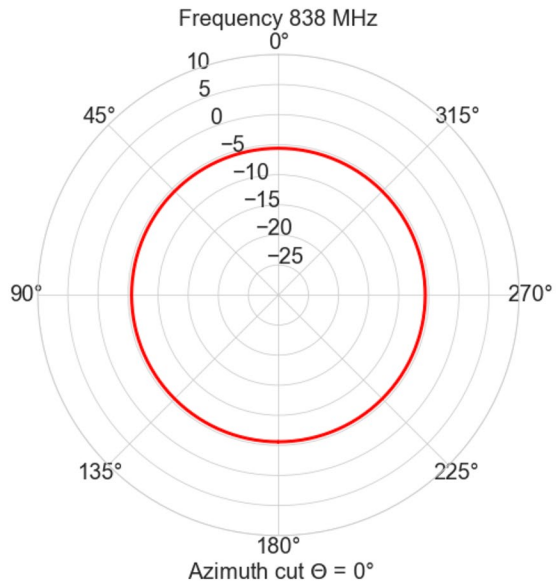
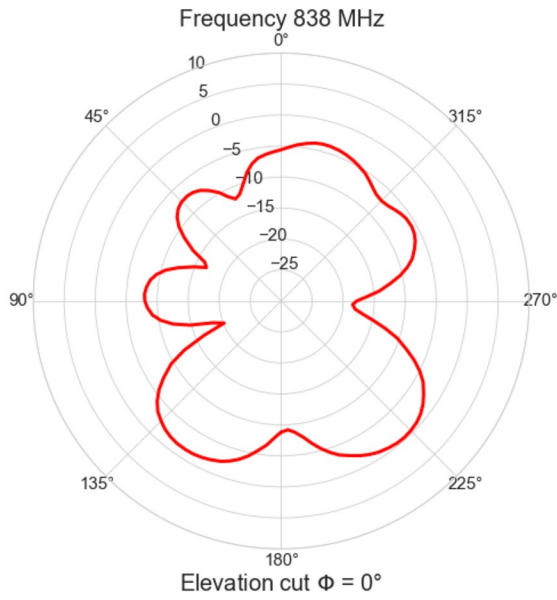
Maxtena Inc.
7361 Calhoun Place, Suite 102
Rockville, MD 20855
1-877-629-8362
info@maxtena.com

www.maxtena.com

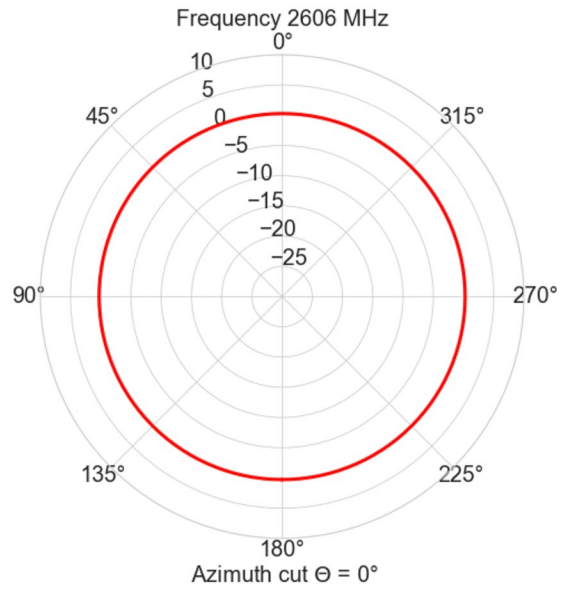
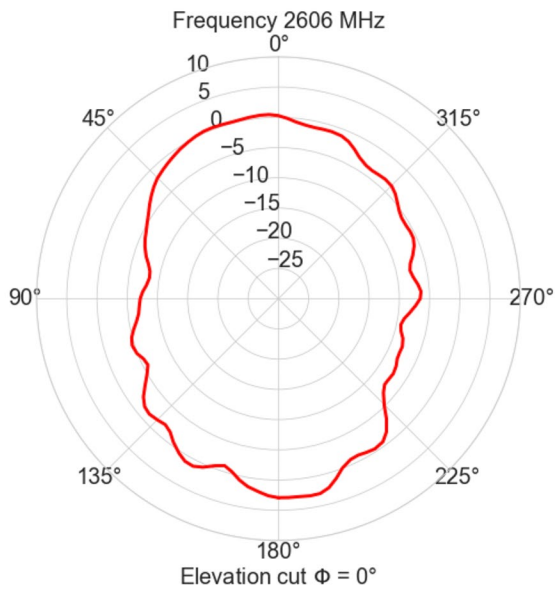
Antenna Parameters



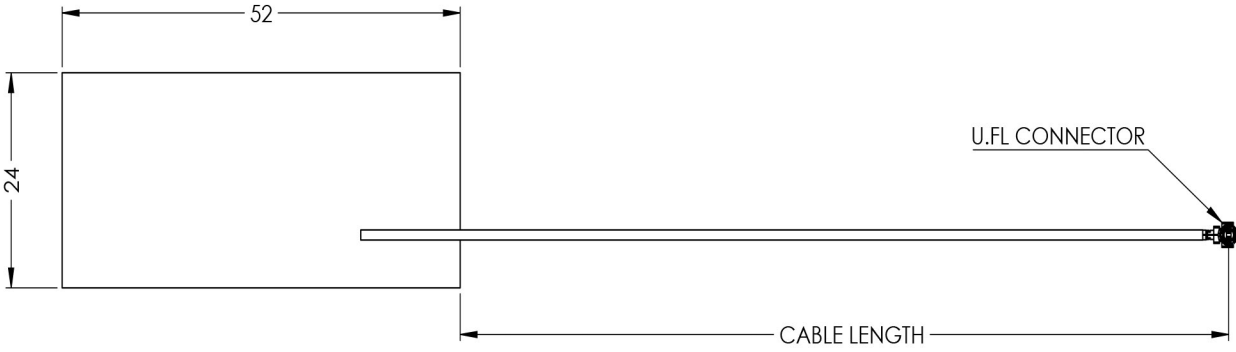
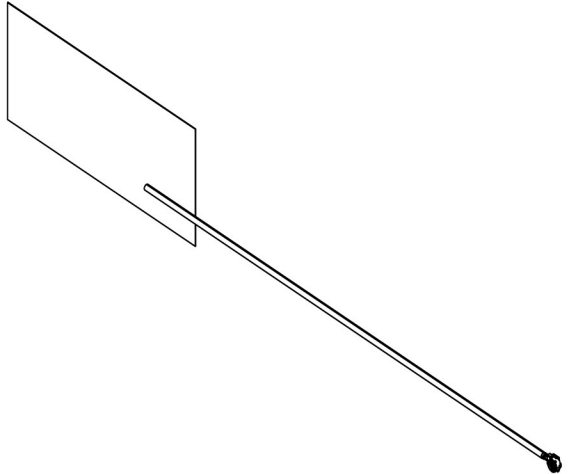
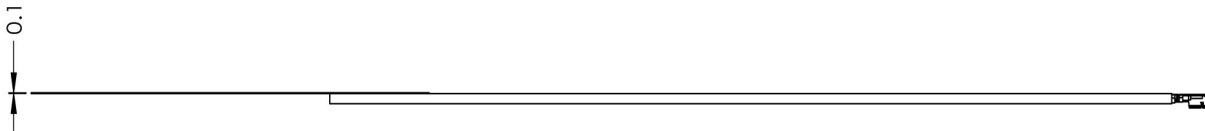
Antenna Parameters



Antenna Parameters



DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-06-30	SZ



- NOTES:
- FREQUENCY: 824-960 MHz, 1710-2700 MHz
 - CUSTOMIZABLE CABLE AND CONNECTOR TYPE
 - MATERIALS:
 - MATERIAL: FPC
 - COLOR: BLACK
 - WEIGHT: 8g
 - OPERATING TEMPERATURE: -40°C ~ +70°C

ITEM 100-00273 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-06-30	SZ

100-00273 CONFIGURATION TABLE				
DASH NO	CABLE TYPE	CABLE LENGTH	CONNECTOR TYPE	CONNECTOR ORIENTATION
-01	1.13	100 mm	U.FL	OUTWARD

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM	DRAWN	SZ 2022-06-24
TOLERANCES:	CHECKED	ZX 2022-06-24
FRACTIONAL ±	ENG APPR.	NPC 2022-06-30
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	

MAXTENA, INC		
TITLE: 100-00273		
MIA-HB-800-2700		
SIZE	DWG. NO.	REV
B	117-00618-01	A
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1

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