



MEA-1621-CM

Iridium Connector Mount Antenna

Part #: 100-00266-01

The MEA-1621-CM is an external antenna designed for the Iridium Network and is Iridium Certified. The antenna provides exceptional pattern control, polarization purity and high efficiency. It offers excellent performance at low orbit and a sleek, and offers robust pole-to-pole coverage. The MEA-1621-CM is low profile design antenna with easy mounting, featuring a SMA Male Connector. It can be used to boost the performance of the Iridium handsets among other uses. MEA-1621-CM provides outstanding performance for any telematics and fleet management application.



Electrical Specification

Parameter	Specification
Frequency Range	1616-1627 MHz
Band	1621 MHz
Return Loss	-14.8 dB
VSWR	1.4:1
Efficiency	85.5%
Peak Gain	2.5 dBi
Average Gain	0.7 dB
Impedance	50 Ω
Max Input Power	25 W
Polarization	Linear
Radiation Pattern	Omni-Directional

Mechanical Specification

Parameter	Specification
Antenna Dimensions	Ø 74 x 34.7 mm
Operating Temperature	-40°C to + 85°C
Mounting Type	Connector Mount
Connector	SMA Male
Connector Feature	Hinged
Radome/Color	ABS/ Black
Substance Compliance	RoHS

Features

- Frequency coverage - Iridium - 1616-1627 MHz
- Easy Mounting: Connector Mount
- High Performance
- Hinged Connector
- Ground Plane Independent
- Low profile: 135 × 19 × 10 mm

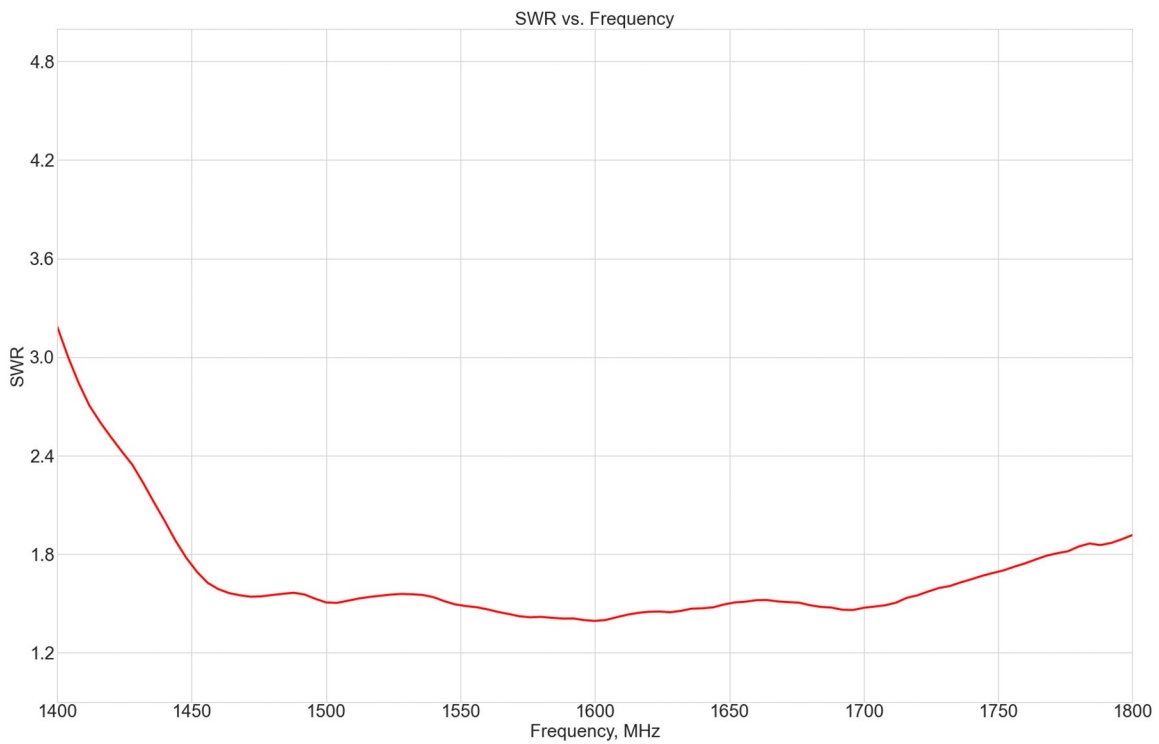
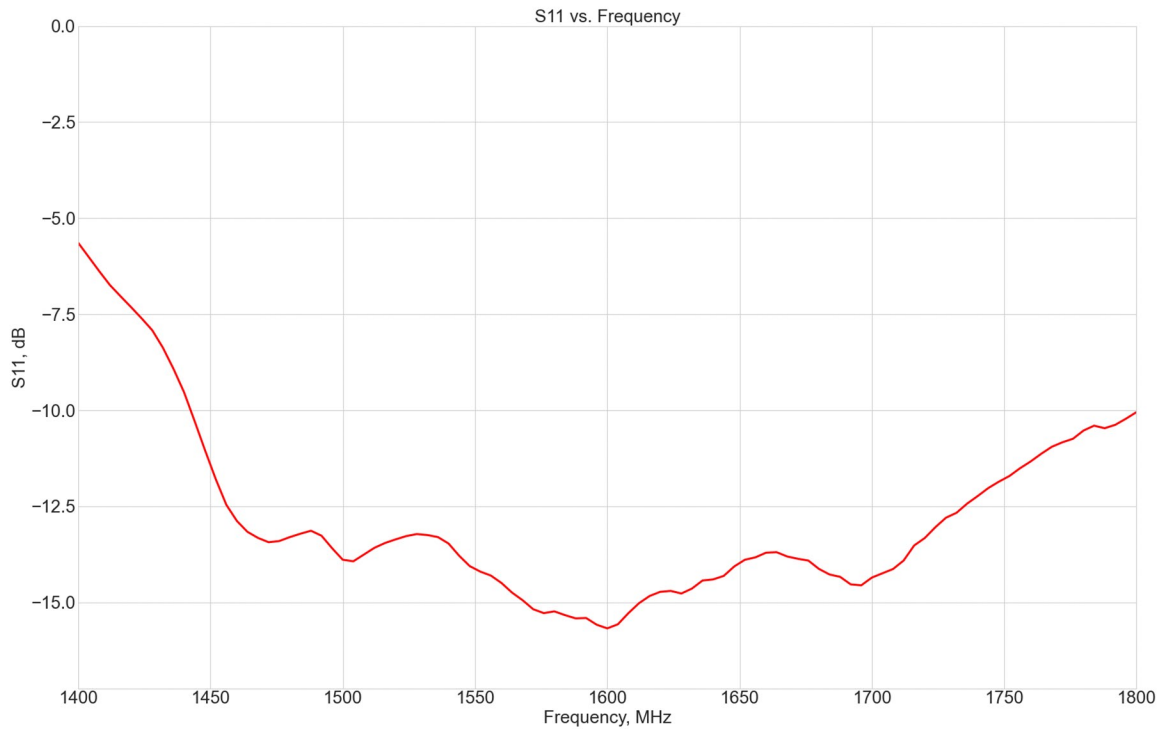
Applications

- Satellite Communication
- Marine Applications
- Critical Communications
- Weather Monitoring
- Military & security
- Asset tracking
- Iridium (SBD) Short Burst Data
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications

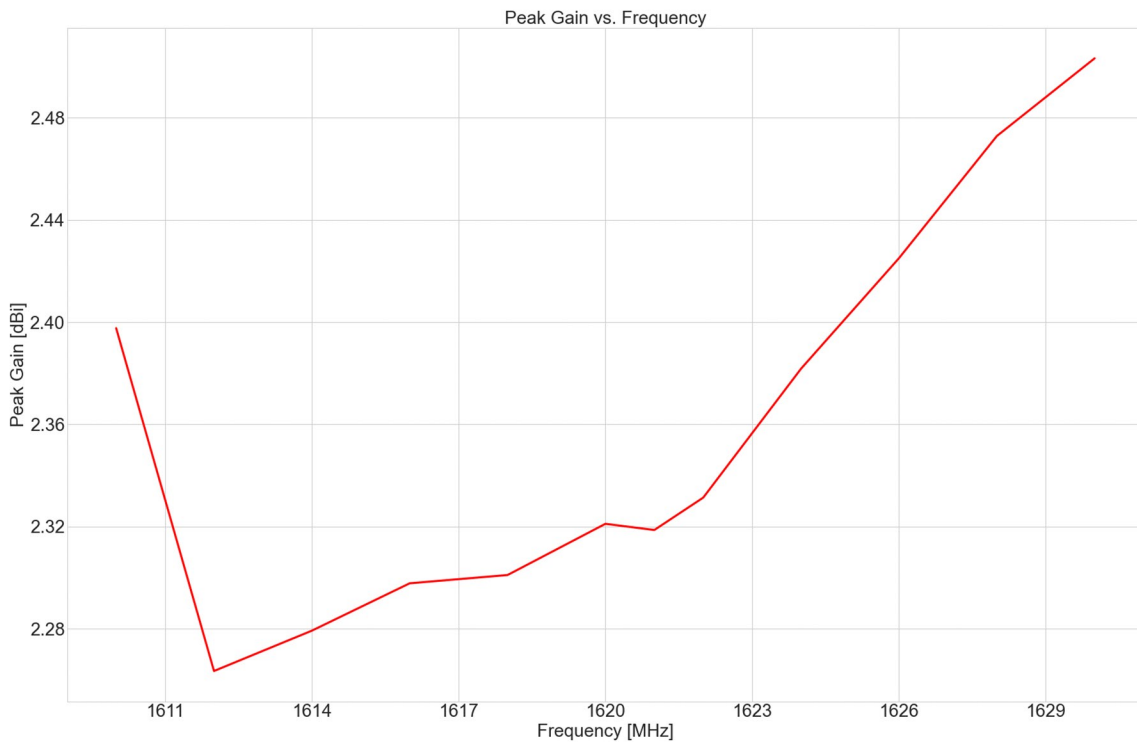
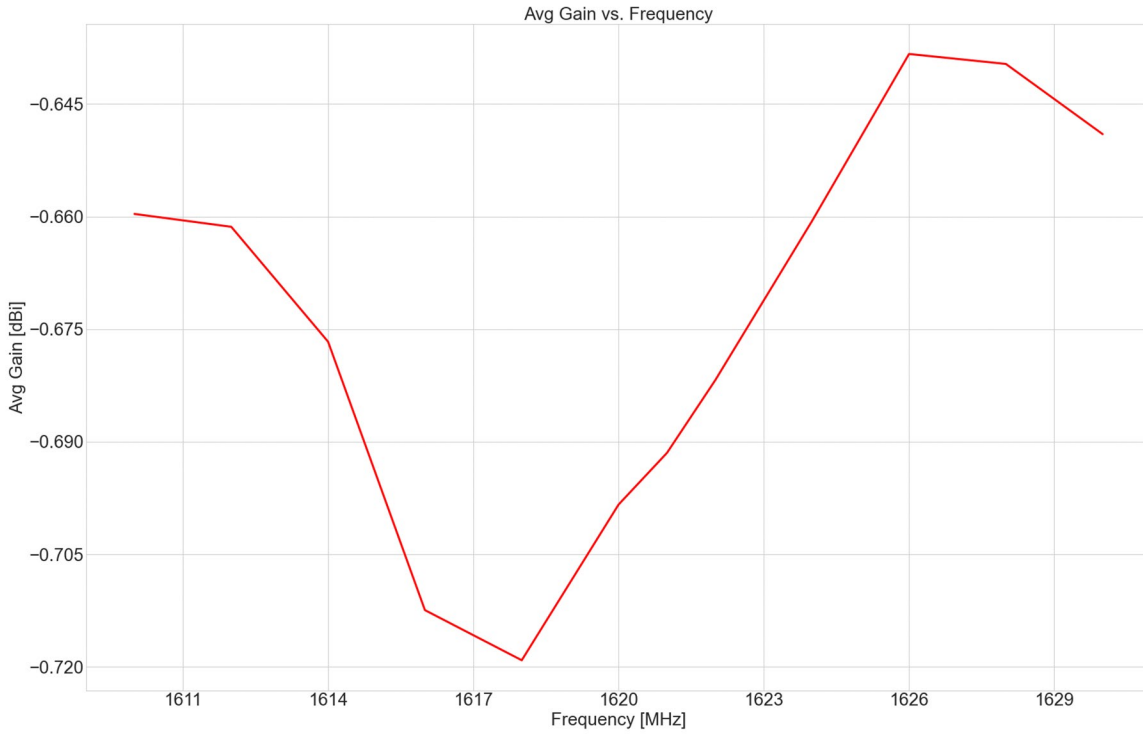


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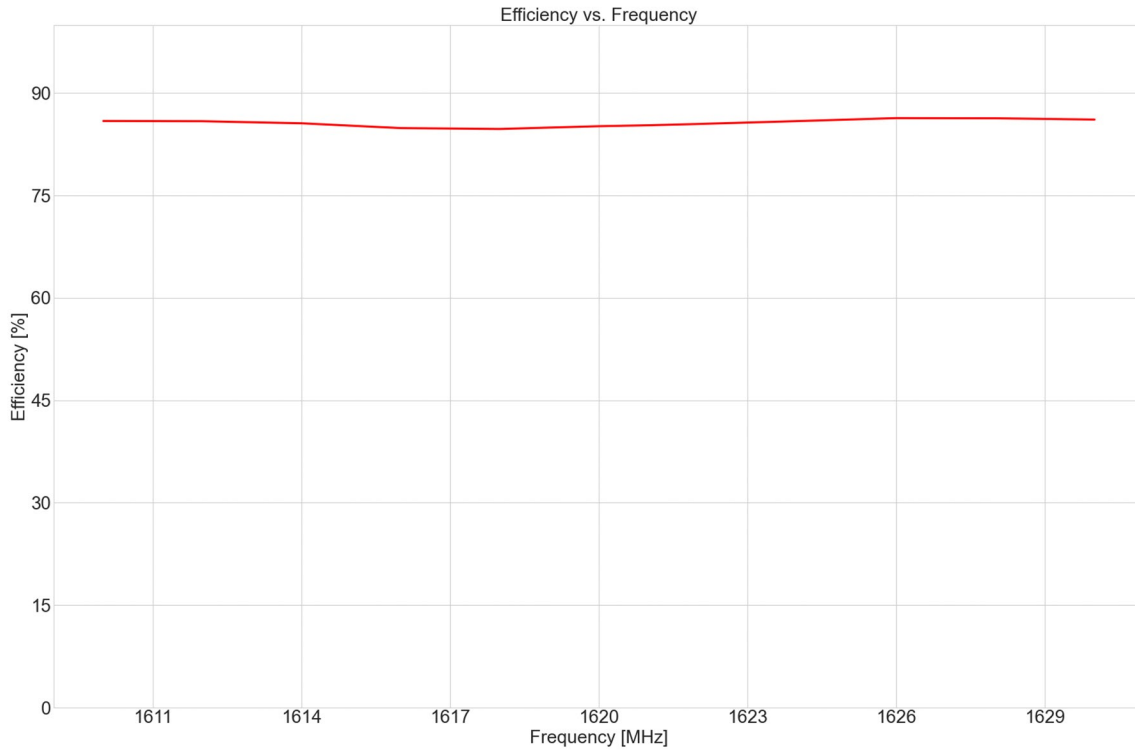
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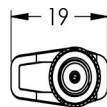
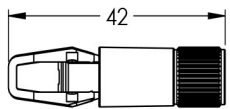
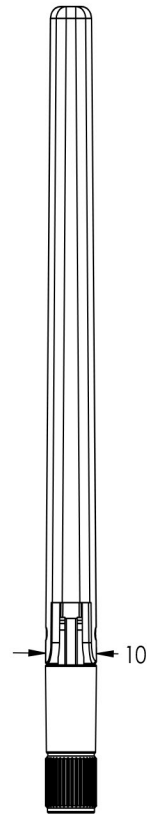
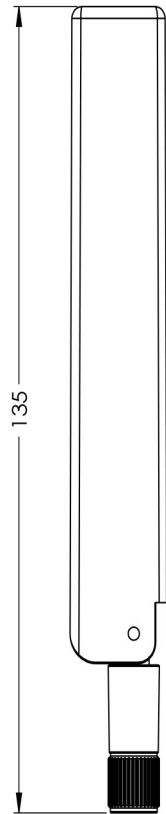
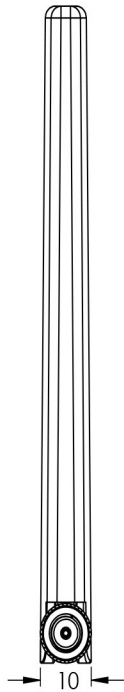
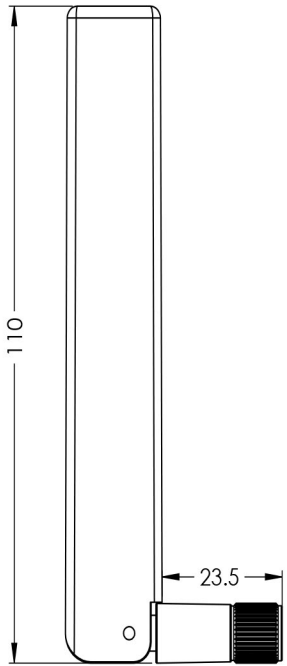


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DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-07-08	SZ



RIGHT ANGLE POSITION

STRAIGHT POSITION

NOTES:

- FREQUENCY (IRIDIUM): 1616-1627 MHz
- MOUNTING TYPE: CONNECTOR MOUNT
- CUSTOMIZABLE CONNECTOR TYPE
- MATERIALS:
 - RADOME: ASA
 - RADOME COLOR: BLACK
- OPERATING TEMPERATURE: -40°C ~ +85°C
- STORAGE TEMPERATURE: -40°C ~ +85°C

ITEM 100-00266 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
1	INITIAL RELEASE	2022-07-08	SZ

100-00266 CONFIGURATION TABLE	
DASH NO	CONNECTOR TYPE
-01	SMA-MALE (HINGED)

PROPRIETARY AND CONFIDENTIAL

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM	DRAWN	SZ 2022-07-08
TOLERANCES:	CHECKED	ZX 2022-07-08
FRACTIONAL ±	ENG APPR.	NPC 2022-07-08
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:		
100-00266		
MEA-1621-CM		
SIZE	DWG. NO.	REV
B	117-00611-01	A
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1