

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

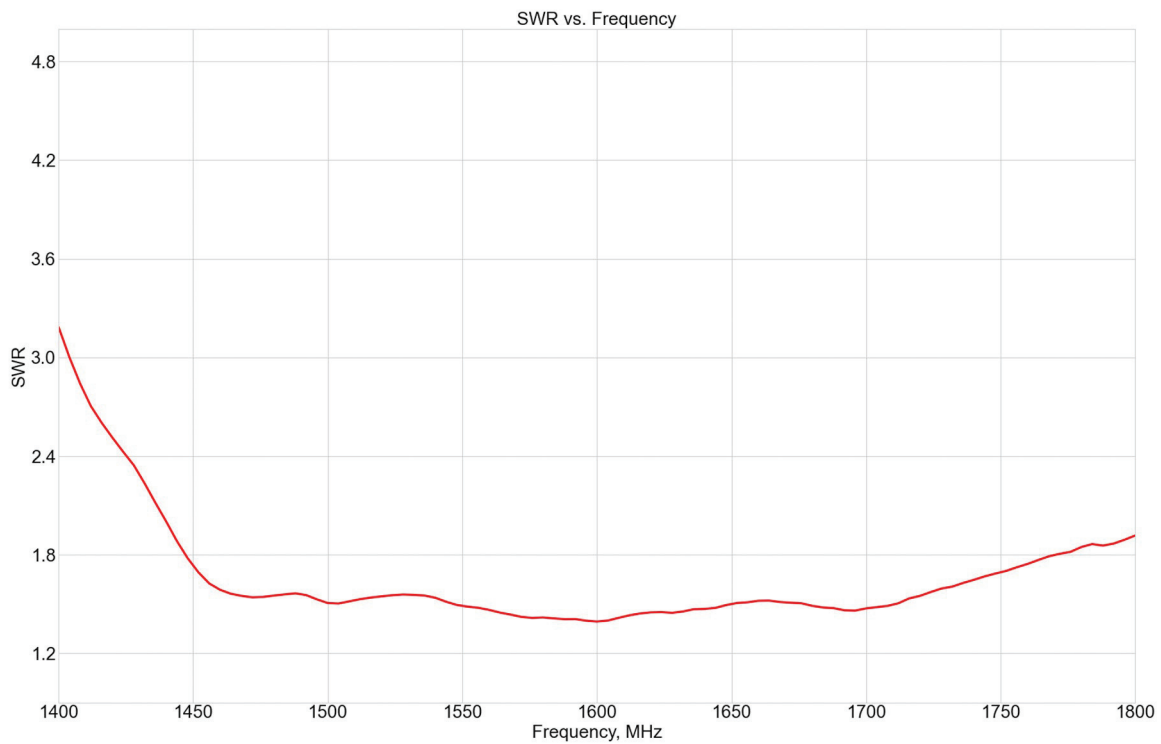
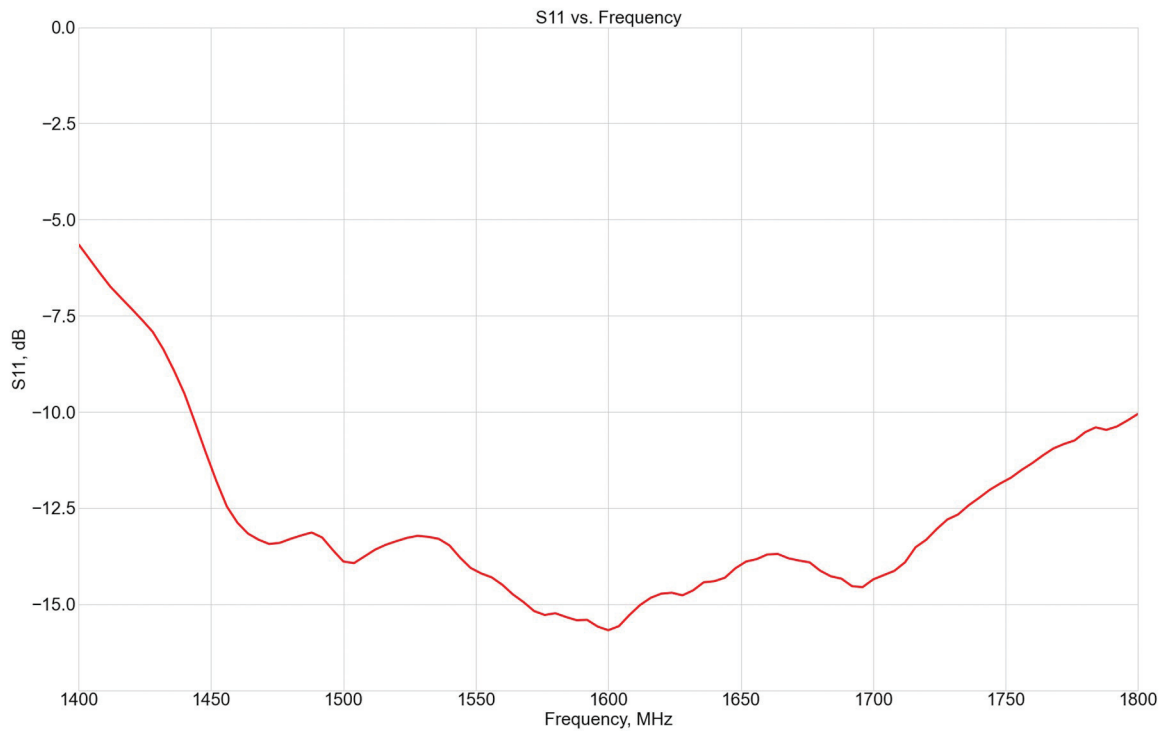


Features

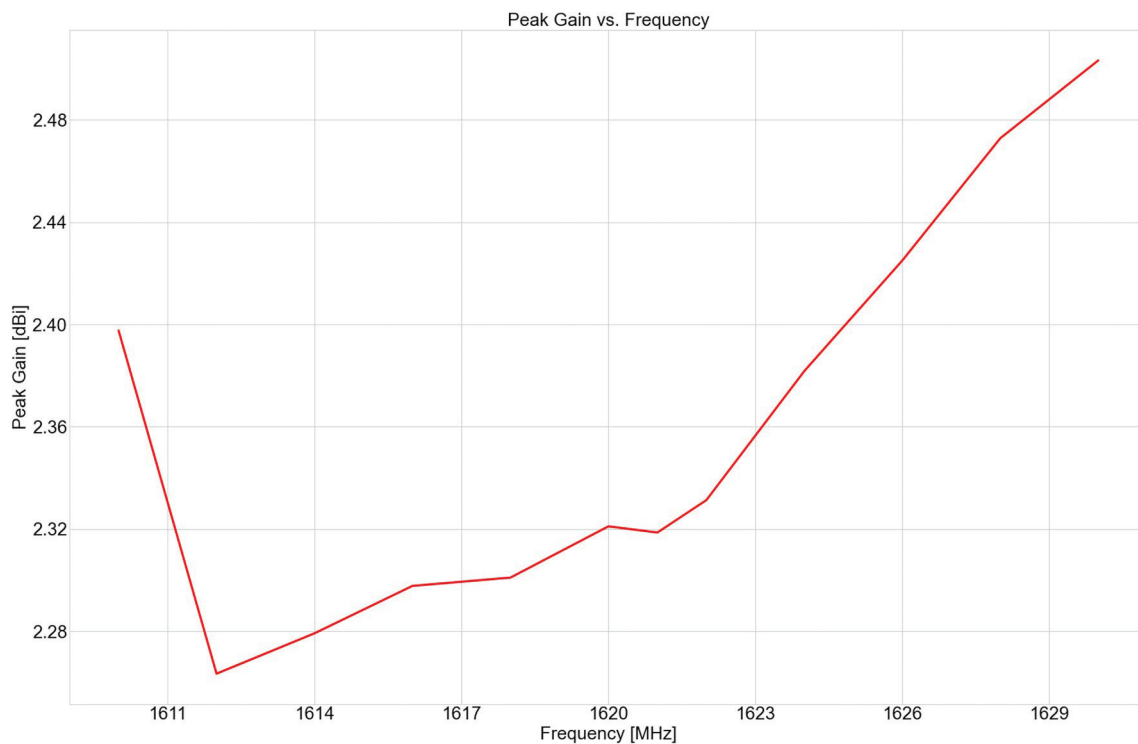
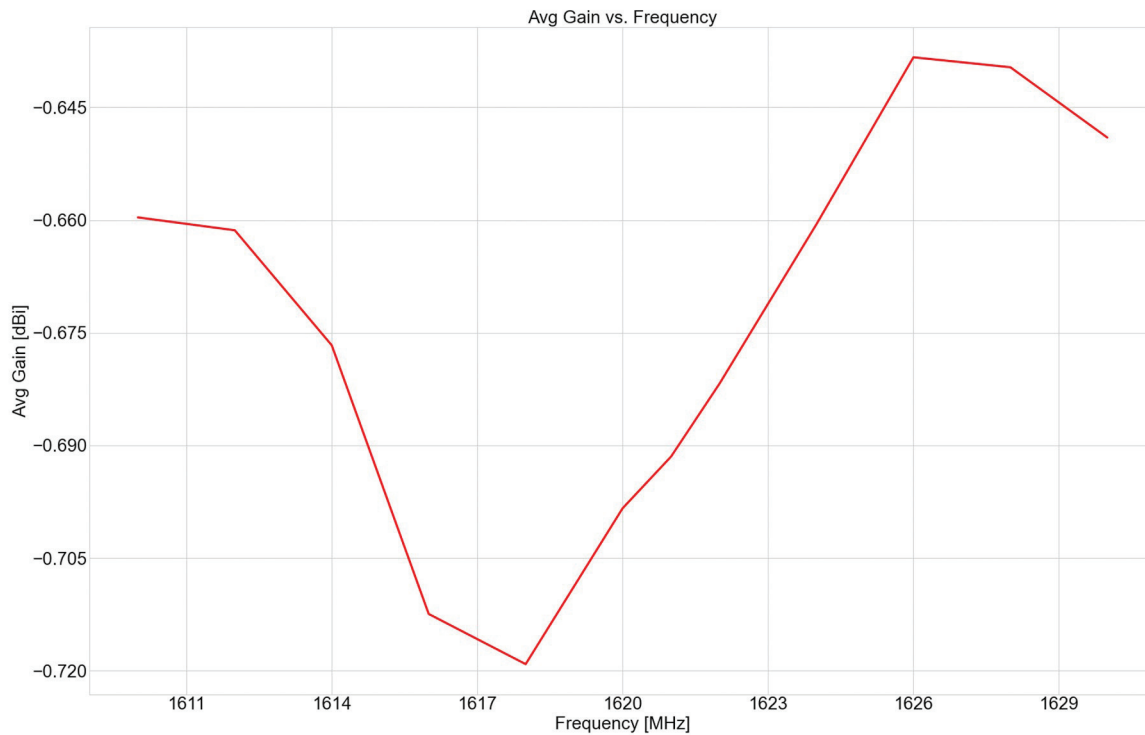
- Frequency coverage - Iridium - 1616-1627 MHz
- Easy Mounting: Connector Mount
- High Performance
- Hinged Connector
- Ground Plane Independent
- Low profile: 135 × 19 × 10 mm

Applications

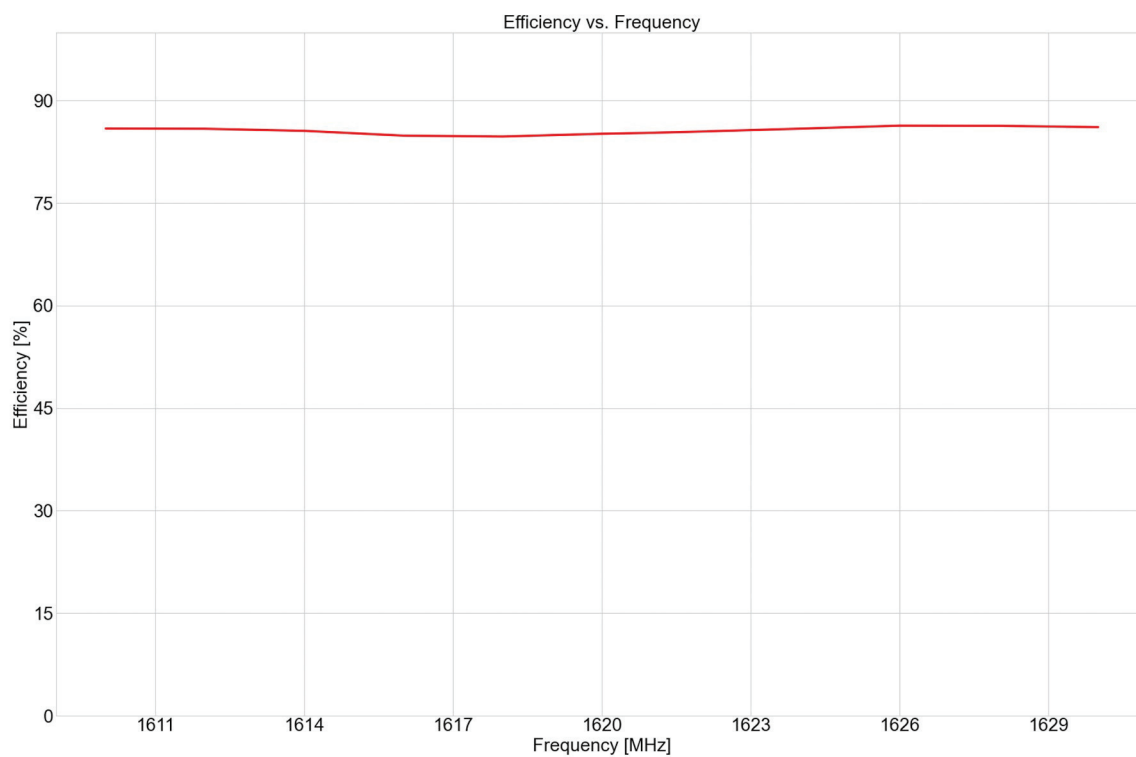
- Satellite Communication
- Marine Applications
- Critical Communications
- Weather Monitoring
- Military & security
- Asset tracking
- Iridium (SBD) Short Burst Data
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications



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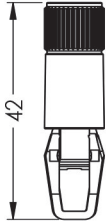
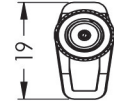
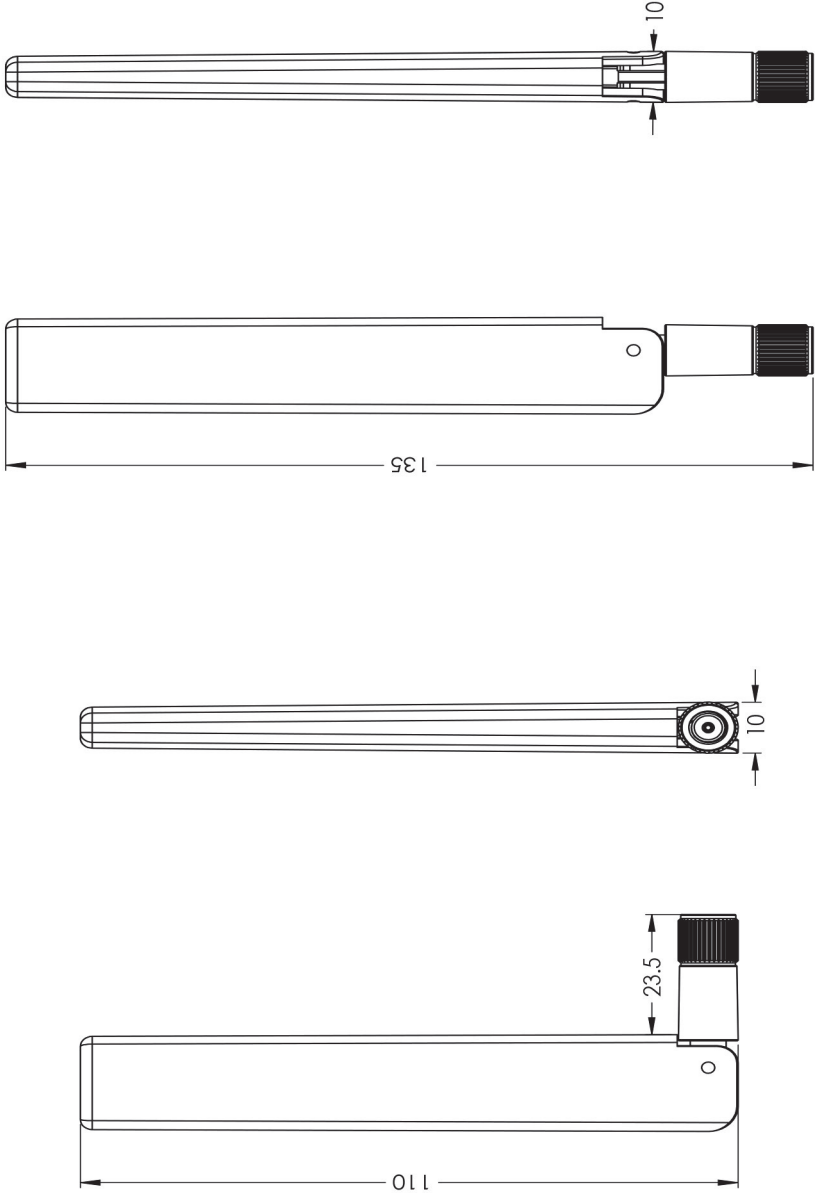


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DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-07-08	SZ



RIGHT ANGLE POSITION

STRAIGHT POSITION

NOTES:

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

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

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

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			