



MEAX-5GNR-MM

5GNR Magnetic Mount
Part #: 100-00233-01

Description

The MEA-5GNR-MM magnet Mount Antenna is a 5GNR antenna solution, with high gain and efficiency ideal for maintaining constant mobile connectivity. The MEA-5GNR-MM covers all 5G, 4G, 3G and 2G frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance make this antenna ideal for the most challenging installations.

This magnet mount antenna is easy to install with maximum durability. The MEA-5GNR-MM has one cable with a SMA-Male standard connector, 3m standard cable length and is fully customizable by offering additional connector types, cable lengths and cable types.

Electrical Specification

Parameter	Specification	
Center Frequency	617-960 MHz	1427-2690 MHz
Band	600, 700, 850, 900 MHz	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600 MHz
Return Loss	-8.9 dB	-15.1 dB
VSWR	3.1:1	1.9:1
Efficiency	50.7%	60.1%
Peak Gain	0.3 dBi	3.4 dBi
Average Gain	-3.4 dB	-2.4 dB
Center Frequency	3300-5000 MHz	5150-5925 MHz
Band	3300, 3500, 3600, 3700, 4500 MHz	5200, 5500, 5800 MHz
Return Loss	-11.7 dB	-5.1 dB
VSWR	1.9:1	3.6:1
Efficiency	31.7%	21.1%
Peak Gain	1.5 dBi	0.1 dBi
Average Gain	-5.1 dB	-6.8 dB
Impedance	50 Ω	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power	35 W	



Features

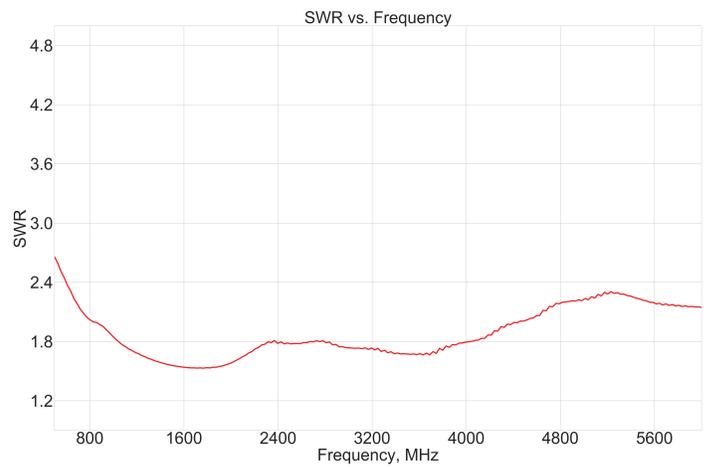
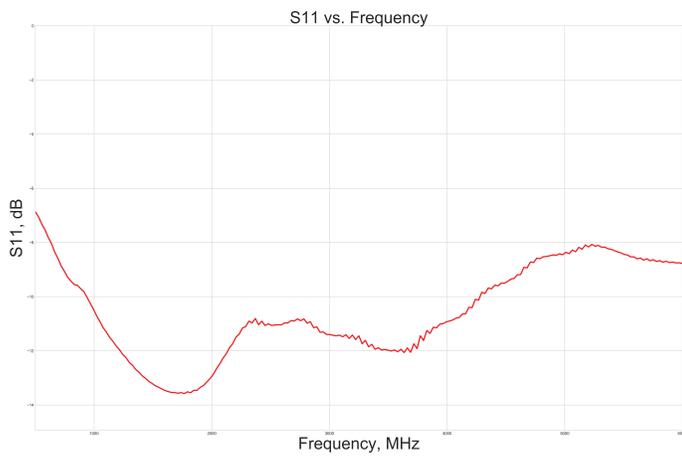
- 5GNR Frequency Range
- Easy mounting: Magnetic Mount
- High Performance
- Ground Plane Independent
- Customized Cable and Connector
- Low profile : Ø 54 x 80 mm
- IP67, IP69

Applications

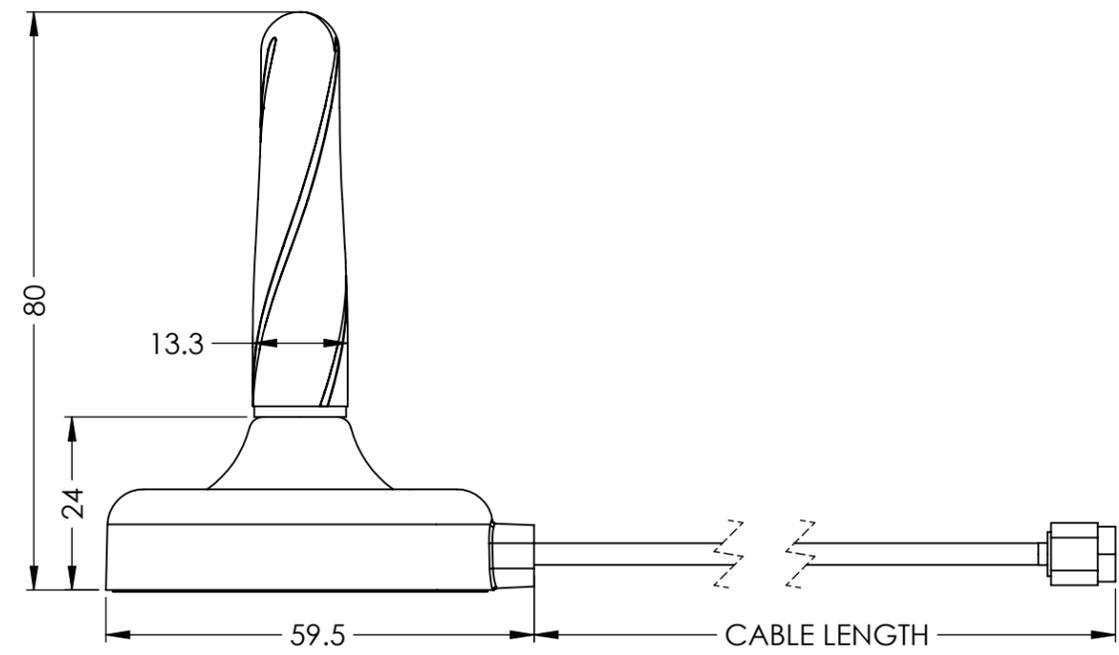
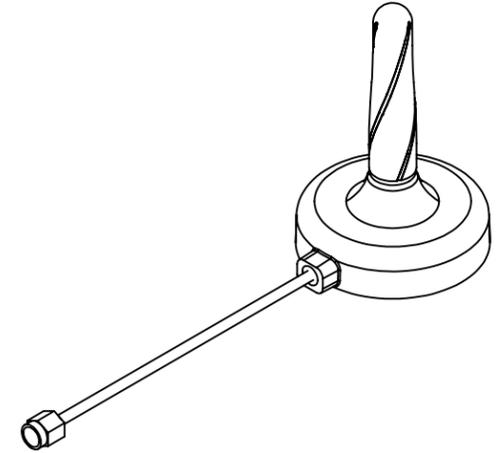
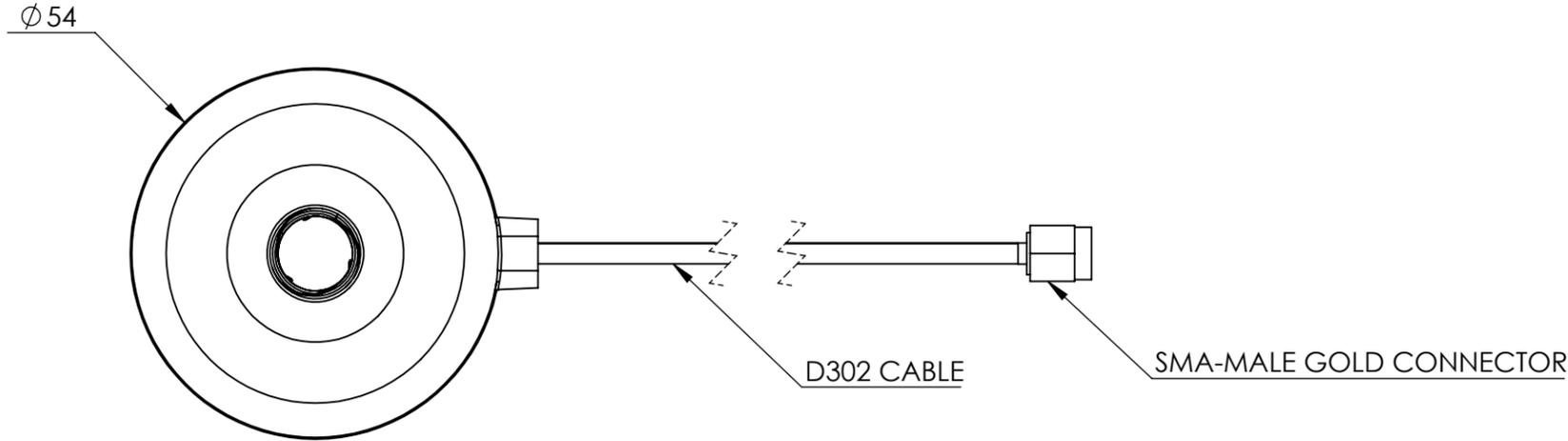
- Asset Tracking
- Telematics
- Container & Logistics
- Automotive
- Industrial Applications
- IOT Applications

Mechanical Specification

Parameter	Specification
Antenna Dimensions	Ø 54 x 80 mm
Weight	106 g
Operating Temperature	-40°C to + 85°C
Mounting Type	Magnetic Mount
Connector	SMA-Male
Cable	LL110
Radome	ASA / Black
Antenna Base	Zamak
Substance Compliance	RoHS
Certificates	IP67, IP69



DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-01-21	JET



- NOTES:
- FREQUENCY (5G, 4G, 3G, 2G):
 - 617-960 MHz
 - 1427-2690 MHz
 - 3300-5000 MHz
 - 5150-5925 MHz
 - DIMENSIONS ARE AFTER MOUNTING
 - CUSTOMIZABLE CABLE AND CONNECTOR TYPE
 - MOUNTING TYPE: MAGNETIC MOUNT
 - MATERIALS:
 - RADOME: ASA
 - RADOME COLOR: BLACK
 - ANTENNA BASE: ZAMAK
 - GASKET: TPE
 - OPERATING TEMPERATURE: -40° C ~ +85° C
 - STORAGE TEMPERATURE: -40° C ~ +85° C
 - CERTIFICATION: IP67, IP69

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM	DRAWN	JET 2022-01-21
TOLERANCES:	CHECKED	ZX 2022-01-21
FRACTIONAL: ±	ENG APPR.	NPC 2022-01-21
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	

100-00233 CONFIGURATION TABLE				
DASH NO	CABLE TYPE	CABLE LENGTH	CONNECTOR TYPE	RADOME COLOR
-01	D302	200 CM	SMA-MALE GOLD	BLACK

ITEM 100-00233 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-01-21	JET

MAXTENA, INC		
TITLE: 100-00233 MEA-5G NR-MM		
SIZE B	DWG. NO. 117-00568-01	REV A
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1

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