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GNSS ANTENNA SOLUTIONS

Best performing GNSS Antenna Solutions for any navigation & timing application

Helicore™ antennas are at least 70% better in performance compared to ceramic solutions!

Maxtena's GNSS Antennas are ultra-lightweight, small, accurate, and precise. With <1 dB axial ratio and RTK accuracy available, it's no wonder that Maxtena's Helicore Technology is a top choice for UAV engineers & IOT specialists alike.

Our helical and conformal wave advanced antennas operate across all Global Navigation Positioning Satellite Systems: GPS, GLONASS, GALILEO, BEIDOU, IRNSS and QZSS. satellite networks including GPS, Iridium, GLONASS and Inmarsat. We also offer several antennas that work across multiple networks are available in different sizes and form factors. Maxtena's advanced patented technology allows our customers to develop the most innovative solutions.

Maxtena offers both external antennas that come in a range of rugged housings, as well as embedded antennas.

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M1575HCT-15A-SMA

High-Performance Active Antenna

The M1575HCT-15A-SMA is a high-performance dual stage LNA active antenna designed for the GPS band and built on Maxtena proprietary Helicore™ technology. This product is ideal for applications requiring high quality reception of GPS signal.

M1516HCT-15A-SMA

High-Performance Active Antenna

The M1516HCT-15A-SMA is a high performance dual stage LNA active antenna designed for the GPS and GLONASS L1 band, and built on Maxtena proprietary Helicore™ technology. This product is ideal for applications requiring high quality reception of GPS and GLONASS signals.

M1516HCT-P-EXT

GNSS Passive External Magnet Mount Antenna

The M1516HCT-P-EXT is a dual band, high performance antenna designed for both GPS and GLONASS, and built on Maxtena proprietary Helicore™ technology.

M1559CWT

Active Multi-Frequency Antenna – External

The M1559CWT is an active multi-frequency, high accuracy, GNSS antenna for the L1 GPS, Galileo, Beidou and GLONASS band. The M1559CWT is ideal for applications requiring minimal integration effort or for retrofitting existing products and is rated IP67.

M1580HCT-P-SMA

GPS GLONASS Beidou Multi-Frequency Passive Antenna

The M1580HCT-P-SMA is a high performance antenna designed for the GPS/Beidou/GLONASS frequency bands and is ideal for handheld and body worn applications. The very low axial ratio allows the antenna to have outstanding multipath rejection and operate with precision in the most challenging locations.

MAXWAVE™

4×4 MIMO TRAIN ANTENNA

The Maxwave™ 4×4 Train Antenna brings reliable high-speed wireless internet to onboard systems. Using its patented 4×4 MIMO technology, Maxwave™ enables high-bandwidth streaming communications for onboard systems. This exclusive rooftop antenna incorporates four broadband antenna elements operating simultaneously across all frequencies from 698 MHz to 6000 MHz which includes 2G/3G/4G cellular, LTE, WiFi and WiMAX frequency bands used worldwide. Features 4 antenna elements operating simultaneously from 698 MHz to 6000 MHz.

M1227HCT-A2-SMA

Rugged L1/L2 GPS GLONASS Active Antenna

The M1227HCT-A2-SMA is Maxtena's latest high performance active rugged antenna designed for L1/L2 GPS and GLONASS bands for GNSS satellite applications. The antenna is designed for applications requiring greater accuracy than what L1 only antennas can provide.The M1227HCT-A2-SMA active helix design features Maxtena's patented compact and light weight Helicore™ Octofilar antenna technology.

M1227HCT-A-EMB

Embedded L1/L2 GPS GLONASS Antenna

The M1227HCT-A-EMB is Maxtena's latest high performance active rugged antenna designed for L1/L2 GPS and GLONASS bands. The antenna is designed for applications requiring greater accuracy than what L1 only antennas can provide. The antenna is built on proprietary Maxtena Helicore™ technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor.

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M4HCT-A-SMA

Multi-Frequency Active Antenna

The M4HCT-A-SMA is an active multi-frequency, high-accuracy, GNSS antenna for the L1 GPS, Galileo, Beidou and GLONASS bands. The M4HCT-A-SMA is ideal for applications requiring minimal integration effort or for retrofitting existing products.

M4HCT-A-EMB

Embedded Multi-Frequency Active Antenna

The M4HCT-A-EMB is Maxtena's latest high performance active embedded antenna designed for L1 band. The antenna is designed for applications requiring greater accuracy than what L1 only antennas can provide. The M4HCT-A-EMB is ideal for UAV, UGV and high precision applications and is GNSS receiver agnostic.

M7HCT-A-SMA

Multi-Frequency Active Antenna

The M7HCT-A-SMA is an active multi-frequency, high-accuracy, GNSS antenna for the L1/L2 GPS, Galileo, Beidou and GLONASS bands. The M7HCT-A-SMA is ideal for applications requiring minimal integration effort or for retrofitting existing products.

M7HCT-A-EMB

Embedded Multi-Frequency Active Antenna

The M7HCT-A-EMB is Maxtena's latest high performance active embedded antenna designed for L1/L2 GPS, GLONASS, Galileo, and Beidou bands. The M7HCT-A-EMB is ideal for UAV, UGV and high precision applications and is GNSS receiver agnostic

M8HCT-A-SMA

Multi-Frequency Active Antenna, Featuring L5 GPS

The M8HCT-A-SMA is the world's most advanced patented GNSS antenna. Designed for high precision & autonomous multi-frequency applications. The revolutionary design offers concurrent reception on L1: GPS, GLONASS, Galileo, Beidou L2: GPS L2C, Galileo E5B, GLONASS L30C and L5: the most advanced GNSS signal yet.

M8HCT-A-EMB

Embedded Multi-Frequency Active Antenna, Featuring L5 GPS

The M8HCT-A-EMB is Maxtena's latest high performance active embedded antenna designed for L1/L2/L5 GPS, GLONASS, Galileo, and Beidou bands. The M8HCT-A-EMB is ideal for UAV, UGV and high precision applications and is GNSS receiver agnostic.

M9HCT-A-SMA

L1 L2 L5 L-Band Multi-Frequency Active Antenna

The M9HCT-A-SMA is an active multi-frequency, high-accuracy, GNSS antenna for the L1/L2/L5 GPS, Galileo, Beidou, GLONASS bands, and as well as L-band correction services. The M9HCT-A-SMA is ideal for applications requiring minimal integration effort or for retrofitting existing products.

M9HCT-A-EMB

Embedded Multi-frequency Antenna

The M9HCT-A-EMB is Maxtena's latest high performance active embedded antenna designed for L1/L2/L5 GPS, GLONASS, Galileo, Beidou bands, and as well as L-band corrections services. The M9HCT-A-EMB is ideal for applications requiring minimal integration effort or for retrofitting existing products.

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M1516HCT-GN

GPS GLONASS Passive Antenna

The M1516HCT-GN is a high performance antenna designed for GPS and GLONASS bands. This product is designed for applications requiring high quality GPS and GLONASS reception.

M1575HCT-GN

High Performance GPS Passive Antenna

The M1575HCT-GN is a high performance antenna designed for applications requiring high quality GPS reception.

M1580HCT-GN

GPS Beidou GLONASS Passive Antenna

The M1580HCT-GN is a high performance antenna designed for the GPS/Beidou/GLONASS bands. The antenna is built on proprietary Maxtena Helicore™ technology.

M1600HCT-GN

GPS Iridium Passive Antenna

The M1600HCT-GN is a high performance antenna designed for applications requiring high quality Iridium and GPS satellite reception.

M1610HCT-GN

GPS GLONASS Iridium Passive Antenna

The M1610HCT-GN is a high performance antenna designed for applications requiring high quality Iridium, GPS and GLONASS reception.

M1621HCT-GN

GPS Iridium Passive Antenna

The M1621HCT-GN is a high performance antenna designed for the Iridium network. The M1621HCT-GN is rated IP-67 when mounted for added protection.

SatFleet

Low Profile, Iridium Certified, Active GPS Fleet Antenna for Iridium Voice/Data and GPS

This Iridium/GPS fleet solution consists of two separate high-performance antennas in one compact and secure housing: one helix Iridium enabling Voice and Data and one high gain active GPS antenna.
This antenna is the ideal solution for the most extreme and demanding applications where reliable satellite reception and high accuracy are required. It can be used to boost the performance of the Iridium handsets among other uses.

SatFleet 3IN1

Fleet Antenna for Iridium Voice/Data and GPS/GLONASS Networks

It's designed for reliable Iridium network SBD/RUDICS Voice/Data modem applications and provides superior call/voice quality. The antenna provides outstanding performance for any telematics and fleet management application.

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M1516HCT-22-P

High Performance GPS GLONASS Antenna

The M1516HCT-22-P is a high-performance passive antenna designed for the GPS L1 and GLONASS bands and built on proprietary Helicore™ technology. This technology provides exceptional pattern control, polarization purity, and high efficiency in a very compact form factor. The M1516HCT-22-P is designed for embedded applications and features an integrated 3-pin connector. This product is designed for applications requiring high-quality reception of GPS and GLONASS signals

M4HCT-22-P

Passive GPS GLONASS Galileo Beidou Antenna

The M4HCT-22-P is a high-performance passive antenna designed for the GPS L1, GLONASS, Galileo and Beidou bands, and built on proprietary Helicore™ technology. This technology provides exceptional pattern control, polarization purity, and high efficiency in a very compact form factor. The M4HCT-22-P is designed for embedded applications and features an integrated 3-pin connector. This product is designed for applications requiring high-quality reception of GPS, GLONASS, Galileo and Beidou signals.

M1580HCT-22-P

Passive GPS GLONASS Galileo Antenna

The M1580HCT-22-P is a high-performance passive antenna designed for the GPS L1, GLONASS and Galileo (E1) bands, and built on proprietary Helicore™ technology. This technology provides exceptional pattern control, polarization purity, and high efficiency in a very compact form factor. The M1580HCT-22-P is designed for embedded applications and features an integrated 3-pin connector.

MEA-1227-SM

GNSS L1 L2 Antenna – Screw Mount

The MEA-1227-SM Screw Mount Antenna is a GNSS/L1L2 low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-1227-SM covers all GPS/GLO/BEI/QZSS/Galileo/SBAS/ L1L2 standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications

M1575HCT-22-P

High Performance Passive GPS Antenna

The M1575HCT-22-P is a high-performance passive antenna designed for the GPS L1 band and built on proprietary Helicore™ technology. This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor. The M1575HCT-22-P is designed for embedded applications and features an integrated 3-pin connector.

M1561HCT-22-P

Passive GPS GLONASS Beidou Antenna

The M1561HCT-22-P is a high-performance passive antenna designed for the GPS L1, GLONASS and Beidou bands, and built on proprietary Helicore™ technology. This technology provides exceptional pattern control, polarization purity, and high efficiency in a very compact form factor. The M1561HCT-22-P is designed for embedded applications and features an integrated 3-pin connector. This product is designed for applications requiring high-quality reception of GPS, GLONASS and Beidou signals.

M1575HCT-22-P-TK

GPS HELIX ANTENNA TUNING KIT

The tuning kit contains five standard Helicore™ samples optimized for a range of different loading conditions commonly encountered in devices requiring an embedded antenna configuration. The tuning kit was designed to empower engineers responsible for devices requiring an embedded antenna configuration.The tuning kit allows for both quick and easy antenna selection and removes the need for a lengthy and costly custom antenna integration process.

MEA-1227-MM

GNSS L1 L2 Antenna

The MEA-1227-MM is a multi-frequency, high accuracy, GNSS antenna for the GPS & GLONASS L1 and L2 bands. The antenna's excellent radiation pattern, exceptional out-of-band rejection, and low noise figure ensures optimal performance of GNSS systems. It features a 3 m cable with an integrated SMA, SMB, or MCX connector (customer choice). Our low profile magnetic mount is ideal for robotics, rail, UAV, industrial and IOT applications.

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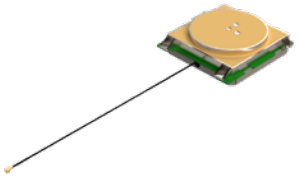
M9706CWT

Active Multi-Frequency Antenna – External

The M9706CWT is an active conformal wave multi-frequency GNSS antenna built for the L1/L2 GPS, Galileo, Beidou and GLONASS bands. The M9706CWT is ideal for applications requiring minimal integration effort or for retrofitting existing products and is rated IP67.



M9706CWT-UFL

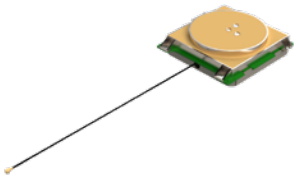
Active Multi-Frequency Antenna – Embedded

The M9706CWT-UFL is an active conformal wave multi-frequency GNSS. The antenna is built for the L1/L2 GPS, Galileo, Beidou and GLONASS bands. The M9706CWT-UFL is ideal for applications requiring minimal integration effort or for retrofitting existing products.

M9708CWT

Active Multi-Frequency Antenna

The M9708CWT is an active multi-frequency, high accuracy, GNSS antenna for the L1/L2/L5 GPS, Galileo, Beidou and GLONASS bands. The M9708CWT is ideal for applications requiring minimal integration effort or for retrofitting existing products and is rated IP67.



M9708CWT-UFL

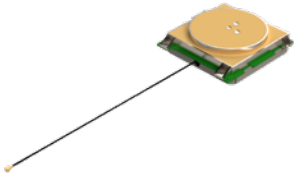
Active Multi-Frequency Antenna

The M9708CWT-UFL is an active multi-frequency, high accuracy, GNSS antenna for the L1/L2/L5 GPS, Galileo, Beidou and GLONASS bands. The M9708CWT-UFL is ideal for applications requiring minimal integration effort or for retrofitting existing products. The antenna element is custom tuned to the applications enclosure.

M1593CWT

Active Multi-Frequency Antenna-External

The M1593CWT is an active multi-frequency, high accuracy, GNSS antenna for the L1/ L2 GPS, Galileo, Beidou GLONASS, and L- band correction services. The antenna is designed for applications requiring greater accuracy than L1 only antennas can provide. The antenna's excellent radiation pattern, exceptional out-of-band rejection, minimal group delay variation, and low noise figure ensures optimal performance of GNSS systems.



M1593CWT-UFL

Active Multi-Frequency Antenna-Embedded

The M1593CWT-UFL is an active multi-frequency, high accuracy, GNSS antenna for the L1/ L2 GPS, Galileo, Beidou GLONASS, and L- band correction services. The antenna is designed for applications requiring greater accuracy than L1 only antennas can provide. The antenna's excellent radiation pattern, exceptional out-of-band rejection, minimal group delay variation, and low noise figure ensures optimal performance of GNSS systems.

MEA-1400-SM

GNSS L1 L5 Antenna

The MEA-1400-SM Screw Mount Antenna is a 2-in-1 antenna solution with high gain and efficiency ideal for maintaining constant global connectivity. The MEA-1400-SM covers all GPS/GLONASS/Galileo and L1 L5 frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications.

MEA-1600-EXP

GNSS and Iridium Antenna

The MEA-1600-EXP adhesive Antenna is a 2-in-1 antenna solution, with high gain and efficiency ideal for maintaining constant global connectivity via Iridium. The MEA-1600-EXP covers all GPS/GLONASS/Galileo and Iridium frequencies, it's an ideal antenna for Iridium SBD, navigation and telematics systems, IoT applications and remote connectivity.

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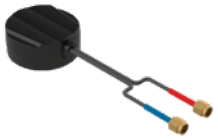


MEA-GNSS-LTE

Active Multi-Frequency Antenna

The MEA-GNSS-LTE is a 2 in 1 low profile antenna solution by Maxtena that combines GNSS and LTE antennas in one. Our low profile 2 in 1 solution is ideal for asset tracking, industrial and IOT applications. The small size make this antenna a desirable solution for covert installations.

MEA-LGI-SM

External Cellular/LTE, ISM and GNSS Antenna

The MEA-LGI-SM Screw Mount Antenna is a 3-in-1 low profile antenna solution with a very high-performance ideal for maintaining constant network connectivity. The MEA-LGI-SM covers all Cellular/LTE, 2.4/5.0GHz ISM and GPS/GLONASS/QZSS/Galileo standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications.

NETZ 5IN1

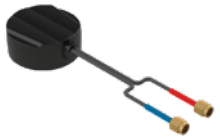
LTE-MIMO/WIFI-MIMO/GNSS 5in1 Antenna

The NETZ 5 in 1 is a MIMO technology solution by Maxtena that combines two LTE antennas, and two WiFi antennas with GNSS. Our 5 in 1 solution is ideal for high data throughput and streaming, video, industrial and IOT applications. It's ideal for the most demanding environmental challenges.

Netz 5in 1-MIMO

Cellular/LTE MIMO /GNSS 5in1 antenna

The Netz 5in1-SMis a MIMO technology solution by Maxtena that combines two LTE antennas, and two Wi-Fi-ISM antennas with GNSS. Our 5 in 1 solution is ideal for high data throughput and streaming, video, industrial and IOT applications. It offers a low-profile design with easy mounting and integrated SMA connectors. The antenna is designed with rugged PC+ABS plastic black housing and is ideal for the most demanding environmental challenges.



MEA-GNSS-LTE-MM

Active Multi-Frequency Antenna

The MEA-GNSS-LTE-MM is a 2 in 1 low profile antenna solution by Maxtena that combines GNSS and LTE antennas in one. Our low profile 2 in 1 solution is ideal for asset tracking, industrial and IOT applications. The small size make this antenna a desirable solution for covert installations.

MEA-LGI-SMA

5GNR & Iridium GNSS Antenna

The MEA-LGI-SMA Screw Mount Antenna is a 3-in-1 low profile antenna solution with a very high-performance ideal for maintaining constant network connectivity. The MEA-LGI-SM covers all 5GNR, Iridium and GPS/GLONASS/QZSS/Galileo standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications.

NETZ 5in1-SM

Cellular/LTE MIMO, 2.4/5 GHz ISM MIMO/GNSS 5in1 antenna

The Netz 5in1-SMis a MIMO technology solution by Maxtena that combines two LTE antennas, and two Wi-Fi-ISM antennas with GNSS. Our 5 in 1 solution is ideal for high data throughput and streaming, video, industrial and IOT applications. It offers a low-profile design with easy mounting and integrated SMA connectors. The antenna is designed with rugged PC+ABS plastic black housing and is ideal for the most demanding environmental challenges.

MEA-LWIG-SM

5GNR, 2.4/5.0/6.0 GHz ISM, Iridium & GNSS Antenna

The MEA-LWIG-SM Screw Mount Antenna is a 4-in-1 low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-LWIG-SM covers all 5GNR, ISM, Iridium and GPS/GLONASS/QZSS/Galileo standard frequencies and is ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications.

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MEA-1600-SM

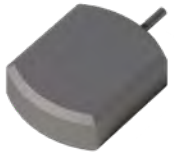
External Iridium/GNSS Passive Antenna

The MEA-1600-SM Screw Mount Antenna is a 2-in-1 antenna solution, with high gain and efficiency ideal for maintaining constant global connectivity via Iridium. The MEA-1600-SM covers all GPS/GLONASS/Galileo and Iridium frequencies. This is an ideal antenna for Iridium SBD, navigation and telematics systems, IoT applications and remote connectivity.

MEA-5IG-MA

5GNR, Iridium and GNSS Antenna

The MEA-5IG-MA magnet adhesive Mount Antenna is a 3-in-1 low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-5IG-MA covers all 5GNR, Iridium and GPS/GLONASS/QZSS/Galileo standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance and low profile make this antenna ideal for the most challenging installations.



MEA-GPS-GG

GPS GLONASS Active External Antenna

The MEA-GPS-GG Magnet Mount Antenna is a 2-in-1 antenna solution, with high gain and efficiency ideal for maintaining constant global connectivity. The MEA-GPS-GG covers GPS/GLONASS frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance and low profile make this antenna ideal for the most challenging installations.

MEA-GPS-SM

GPS Precision External Microstrip Antenna

The MEA-GPS-SM screw Mount Antenna is an antenna solution by Maxtena, with high gain and efficiency ideal for maintaining constant global connectivity. The MEA-GPS-SM covers GPS frequency band. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance and low profile make this antenna ideal for the most challenging installations.

MEA-LGG-AM

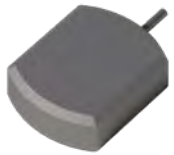
Cellular/LTE and GPS/GLONASS Antenna

Maxtena's MEA-LGG-AM GPS/GLONASS & LTE solution is a high-performance antenna in one compact and secure housing. It covers GPS/GLONASS (1575-1606 MHz) and LTE (698-960/ 1710-2170/ 2500-2700 MHz). The antenna provides exceptional pattern control, polarization purity and high efficiency. The MEA-LGG-AM is an adhesive mount antenna with rugged ABC plastic housing and is ideal for the most demanding environment challenges. It is ideal for glass mount applications.

MEA-5GGG-SM

5GNR and GPS/GLONASS Antenna

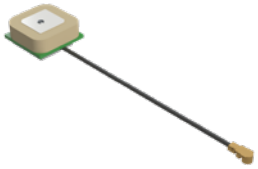
The MEA-5GGG-SM Screw Mount Antenna is a 2-in-1 antenna solution, with high gain and efficiency ideal for maintaining constant global connectivity. The MEA-5GGG-SM covers all GPS/GLONASS and 5GNR frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance and low profile make this antenna ideal for the most challenging installations.



MEA-GPS-S

GPS Active External Antenna

The MEA-GPS-S Magnet Mount Antenna is an antenna solution by Maxtena, with high gain and efficiency ideal for maintaining constant global connectivity. The MEA-GPS-S covers GPS frequency band. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance and low profile make this antenna ideal for the most challenging installations.



MIA-GNSS-1500-C

Active Multi-Frequency Antenna – Embedded

It's designed for embedded applications such as GNSS handheld units, mobile devices, and tracking devices, covers GPS, GLONASS and Beidou frequency bands.