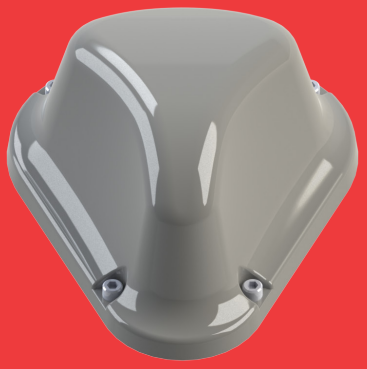
MAXTENA®
WIRELESS INNOVATIONS COMPANY

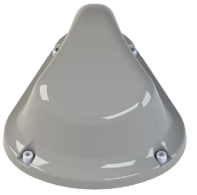
Cobra-LTE700

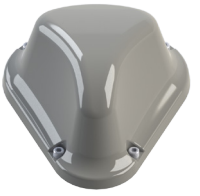
Built by Maxtena and Powered by Maxtena's antenna technology. The Cobra-LTE700 is a MIMO technology solution that combines two LTE antennas with GPS. Our transportation solution is cost-effective and provides high, reliable performance in a robust, low profile form factor.



Cobra-LTE700

HIGH PERFORMANCE TRANSPORTATION ANTENNA





LTE MIMO ANTENNA, AND GPS

Maxtena's Cobra-LTE700 transportation solution consists of three separate high performance antennas in one compact and secure housing: two LTE 700 MHz & Cellular antennas enabling MIMO technology and one high gain GPS antenna.

The Cobra-LTE700 measures 6.5" (166mm) in width by 7.9" (200mm) in length with a peak height of 3.5" (88mm). By leveraging techniques in antenna miniaturization perfected in our other products, the Cobra-LTE700 provides maximum performance in one of the most compact, easy to install form factors.

The Maxtena solution is designed for mobile access points installed on buses, coaches and trucks; it can be used for video surveillance, localization, and monitoring systems. The antenna has its own ground plane that makes it suitable for any mounting environment without affecting performance.

ABOUT MAXTENA

Maxtena Incorporated is the recognized global leader in developing and producing innovative antenna solutions. We are engaged in designing, manufacturing and marketing a comprehensive range of embedded, external and custom antenna solutions for GNSS (GPS, GLONASS, COMPASS, Galileo), M2M, MSS and LTE applications.

For more information: www.maxtena.com

APPLICATIONS:

Buses/Coaches/Trucks

FEATURES:

- Robust arrow shape housing for easy roof-top alignment
- MIMO technology
- One connector for each application; LTE 1, LTE 2 and GPS
- No ground plane requirements

ADVANTAGES:

- Single-hole mounting with screws on top for easy installation
- Use of only one multifunction solution

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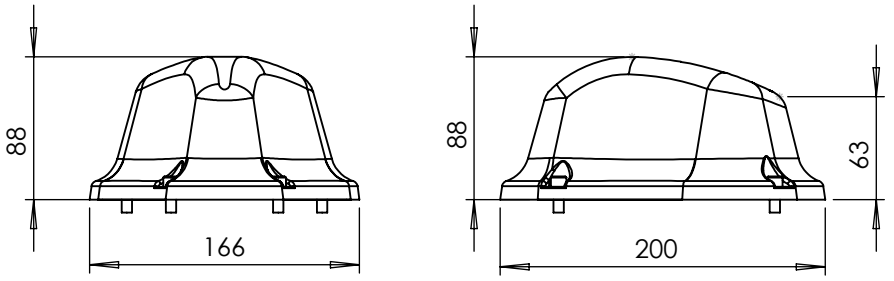
Maxtena only uses ISO certified manufacturing partners.

MECHANICAL SPECIFICATIONS



Dimensions are in mm

ELECTRICAL SPECIFICATIONS

LTE 1 & LTE 2 Antennas

Parameter	LTE 1/LTE 2
Frequency	690 - 960 MHz / 1700 - 2200 MHz
Polarization	Linear
Total efficiency	75% (typical)
Gain	4 dBi (typical)
VSWR	2 (max)
Coupling LTE1/LTE2	-10 dB (max) @ 700 MHz
Envelope correlation	0.4 (max) @ 700 MHz
Impedance	50 Ohm
Operating temp.	from -40°C to 85°C

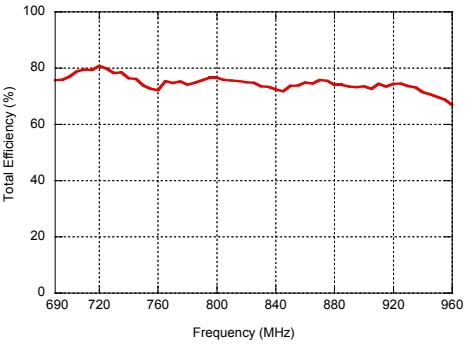
ELECTRICAL SPECIFICATIONS

Active GPS Antenna

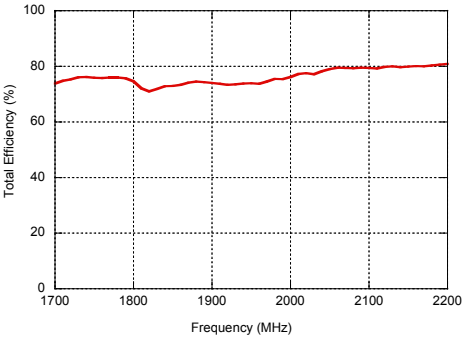
Parameter	GPS
Frequency	1575.42 MHz
Polarization	RHCP
DC voltage	2.5 to 5 V
DC current	7 mA @ 2.5 V / 11 mA @ 3.5 V
Bandwidth (-1dB)	20 MHz
Total gain	34 dBi @ 2.5 V / 34 dBi @ 3.5 V
Axial ratio	1.5 dB (typical) / 2.5 dB (max)
VSWR	2 (max)
Impedance	50 Ohm
Operating temp.	from -40°C to 85°C

TOTAL EFFICIENCY

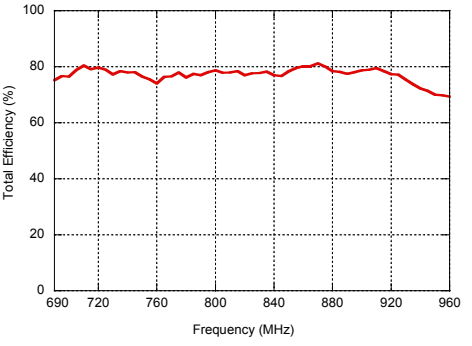
LTE 1



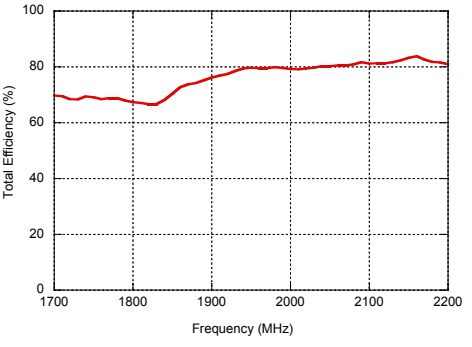
LTE 1



LTE 2



LTE 2



Wavier:

Fact and figures herein are for information only and do not represent any warranty of any kind. Specifications are subject to change without notice (05/2013).

Cobra-LTE700

High Performance Transportation Solution with Powerful MIMO Technology for LTE

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