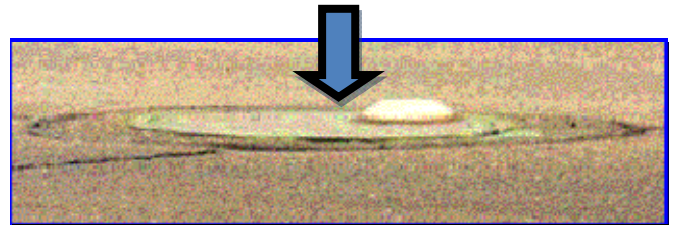




Features

- Low Profile
- Different Frequencies Available:
 - Digital Cellular (**ANT-ML-8619**)
 - Analog Cellular (**ANT-ML-860**)
 - ISM Spread Spectrum (**ANT-ML-902**)
 - Bluetooth, Wifi, ZigBee (**ANT-ML-2400**)
- Chemical Resistant
- Waterproof
- 3 dB Gain
- Customizable Cable Length and Connector
- Suitable for High Traffic Locations



Operational Description

Imagine having the ability to communicate with your equipment that is installed in a manhole in the middle of a busy street; having the ability to not have to block traffic to retrieve your data anymore. Well then Astron's Manhole Lid Antenna (ANT-ML) is the answer.

Our manhole lid antenna features a rugged design which allows the antenna to be mounted directly onto a manhole lid. The ML series antenna is waterproof with a steel base to attach the antenna securely through a 1" hole in the lid. Construction of the antenna uses adhesives that are resistant to JP-4, acetone, methyl ethyl ketone, motor oil, and gasoline. And its rugged construction makes it virtually tamper-proof. Our standard antenna has a TNC connector on the bottom of the mounting stem that attaches easily to the supplied 12' or 20' length of LMR195 cable. Rugged, and durable; this design makes this antenna an excellent choice for your high traffic area installations

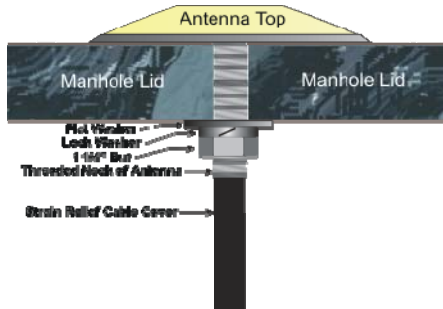
Applications

- Vendor Managed Inventory
- Interconnection weir monitoring
- Pump station monitoring
- Strain gauge studies
- Meteorological studies

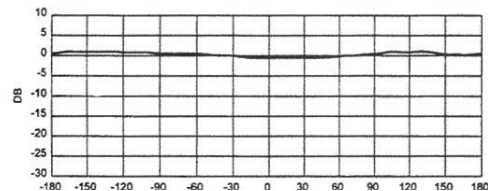
Astron Wireless Technologies, Inc. • 22560 Glenn Drive., Sterling, Virginia 20164 • Tel: 703-450-5517,
Toll-Free 1-877-567-7646, Fax: 703-450-9753, www.astronwireless.com

Integrated Barcode Technology (div.) • 10015 Old Columbia Rd., Suite B-215 • Columbia, Maryland 21046, Tel: 301-596-7500, Fax: 301-596-2127, www.integratedbarcode.com

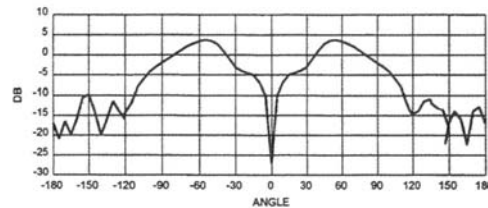
Installation Images



Azimuth Pattern



Elevation Pattern



Technical Specifications

Electrical Specs

- VSWR at Resonant Point: 2:1 max
- Connector: User selectable
- Nominal Impedance: 50 Ohms
- Gain: 3 dB
- Polarization: Vertical
- Maximum Power Input: 125 watts

Dimensions

- Height: 3" (~8 cm)
- Width: 7" (~18 cm)
- Length: 5" (~13 cm)

Specifications subject to change without notice.

ANT-ML-8619 Digital Cellular 824-896 MHz and 1850-1990 MHz dual-band comes with 20 feet of LMR195 cable.

ANT-ML-860 Analog Cellular 800 MHz comes with 12 feet of LMR195 cable.

ANT-ML-902 ISM Spread Spectrum 902-928 MHz comes with 12 feet of LMR195 cable.

ANT-ML-2400 Bluetooth, Wifi, ZigBee 2.4 GHz ISM comes with 12 feet of LMR195 cable.

Ordering Information

Model Part No.	Description
ANT-ML-8619	Digital Cellular Manhole Lid Antenna
ANT-ML-860	Analog Cellular Manhole Lid Antenna
ANT-ML-902	ISM Spread Spectrum Manhole Lid Antenna
ANT-ML-2400	Bluetooth, WiFi, ZigBee Manhole Lid Antenna