



ANTENNA TECHNOLOGIES LIMITED COMPANY

ATLC-IRR High Performance In Road Antenna



ATLC-IRR-975 New High Performance

IN ROAD ANTENNA

Features

- New design stays on frequency even with such things as wet leaves or ice piled on top of antenna
- Low Profile simple seven inch circle base
- High Performance for the ISM band 902-928 frequencies
- Chemical Resistant
- Waterproof
- 3 dB or Higher Gain
- Customizable Cable Length and Connector
- Suitable for High Traffic Locations
- Flush with Road Surface

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 ATLC's In Road Antenna (ATLC-IR-974) is the answer.

Our in road antenna features a rugged design which allows the antenna to be mounted directly into the pavement. The IR series antenna is waterproof with a steel base to attach the antenna securely to the road surface. 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

Antenna Technologies Limited Company
22560 Glenn Drive., Sterling, Virginia 20164
Tel: 703-450-5517, Fax: 703-450-9753
www.atlcllc.com sales@atlcllc.com



ANTENNA TECHNOLOGIES LIMITED COMPANY

ATLC-IRR High Performance In Road Antenna

Installation Images: (Note: Can be inserted/embedded with cement, tar or cold patch)

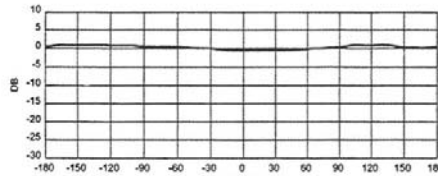


Antenna Assembly

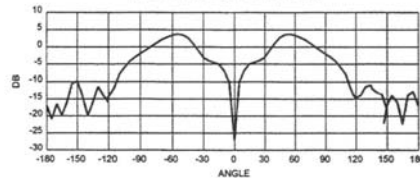
Technical Specifications

| Electrical Specs | |
|--|-----------------|
| • VSWR at Resonant Point: | 2:1 max |
| • Connector: | User selectable |
| • Nominal Impedance: | 50 Ohms |
| • Gain: | 3 or higher dB |
| • Polarization: | Vertical |
| • Maximum Power Input: | 125 watts |
| Dimensions | |
| • Height: | 3" (~8 cm) |
| • Circular base: | 7" (~18 cm) |
| Specifications subject to change without notice. | |

Azimuth Pattern



Elevation Pattern



ATLC-IR-974 -ISM Spread Spectrum 902-928 MHz comes with 8, 12 or 20 feet of LMR195 cable. Common connectors (TNC, SMA, RSMA, N, BNC, etc. included at no charge. Custom connectors may be installed on the cable for an extra charge.

Ordering Information

| Model Part No. | Description |
|---------------------|--|
| ATLC-IRR-975 | ISM Spread Spectrum In Road Antenna |

Antenna Technologies Limited Company
 22560 Glenn Drive., Sterling, Virginia 20164
 Tel: 703-450-5517, Fax: 703-450-9753
 www.atlcllc.com sales@atlcllc.com