

UHF1709-29

Protocol

ISO 18000-6C EPC Class 1 Gen 2

Operating frequency

860 – 960 MHz



Antenna size

95*8mm / 3.74 × 0.31 inch

Key features

- Superior read sensitivity of up to -20 dBm with a dipole antenna.
- Industry leading write sensitivity of up to -16 dBm with a dipole antenna.
- FastID mode – enables 2x to 3x faster EPC+TID inventory for authentication and other TID-based applications.

Electrical Specifications

Monza 5 family memory sections

| Name | Size |
|---------|----------------------|
| Monza 5 | 128 bit EPC + 32 bit |

General Characteristics of Inlay

| | |
|--------------------------|---------------------------------|
| Inlay Substrate Material | PET |
| Antenna Material | Aluminum |
| Operating Temperature | -40 °C - 85 °C / 40 °F - 185 °F |
| Bending Diameter | >50mm / 1.97" |
| Static Pressure | < 10MPa |

Delivery formats

| | |
|-------------------|--------------------------|
| Available formats | wet/dry inlay, tag, card |
| Quality | 100% performance tested |

Test graph

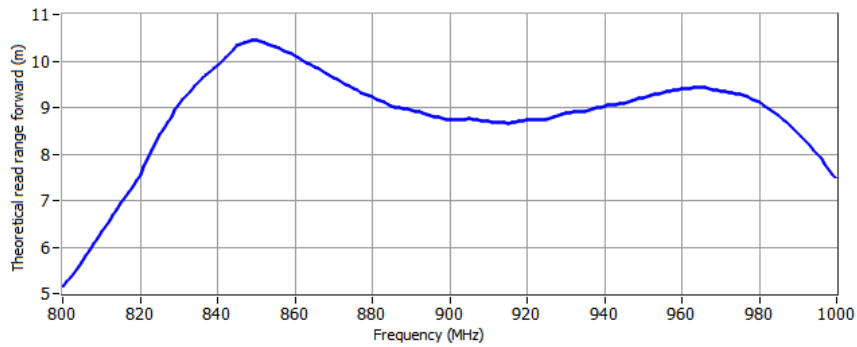


Figure 1: Read range

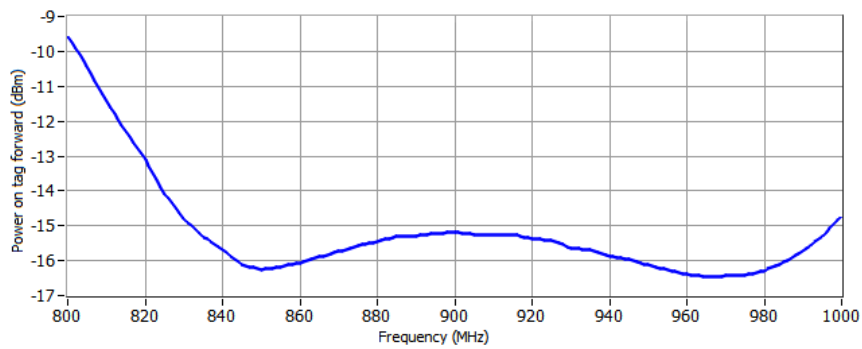


Figure 2: Sensitivity

The graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a 36dBm EIRP output power level.

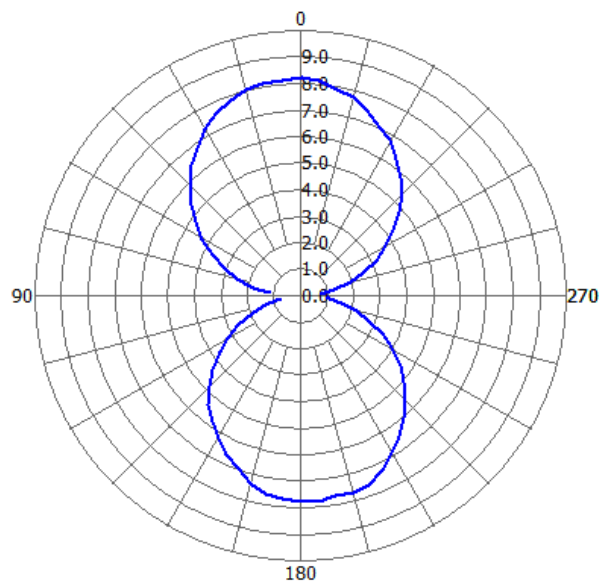


Figure 3: Read range in different direction