

AMC-ANT-2J3915M-915

915MHz ISM magnetic mount antenna

Features

- 915MHz ISM
 - 902 - 928MHz
- Magnetic mount
- High performance
- Ground plane dependent
- Dimensions: 88 x Ø 30.9mm
- Customisable cable and connector



1. Antenna and electrical specifications

| | |
|-----------------------------|--|
| Parameters | 915MHz ISM antenna |
| Standards | ZigBee, ISM, Sigfox, LoRa |
| Band (MHz) | 915 |
| Frequency (MHz) | 902 - 928 |
| Return Loss (dB) | ~-14.5 |
| VSWR | ~1.5:1 |
| Efficiency (%) | ~64.6 |
| Peak Gain (dBi) | ~3.0 |
| Average Gain (dB) | ~-1.9 |
| Impedance (Ohms) | 50 |
| Polarisation | Linear |
| Radiation Pattern | Omni-directional |
| Max. Input Power (W) | 50 |
| Connector Type | SMA male standard |
| Cable Length | 300cm standard (other lengths available) |
| Cable Type | LMR100 standard (other cables available) |

Antenna measurement conditions:

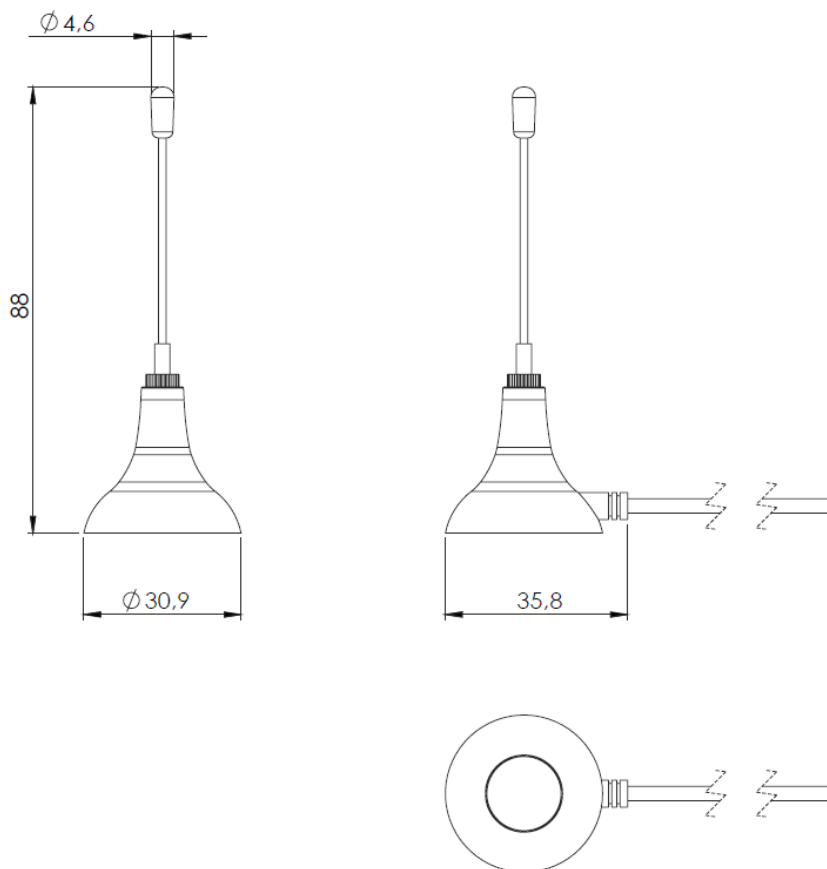
- Mounted on 30 x 30cm metal plate
- 200cm LMR100 cable
- Measured in certified CTIA 3D anechoic chamber



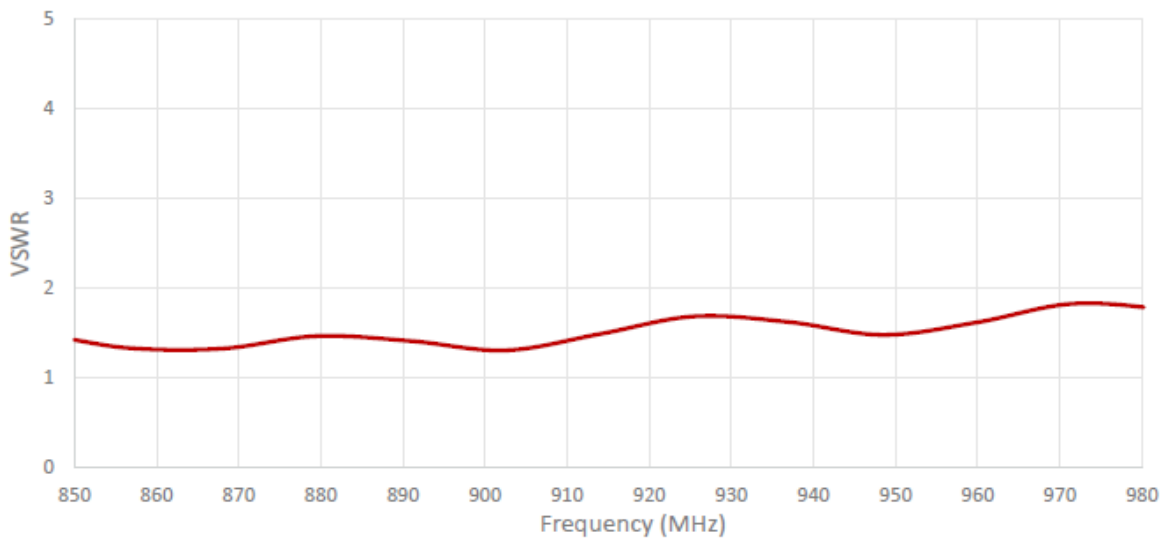
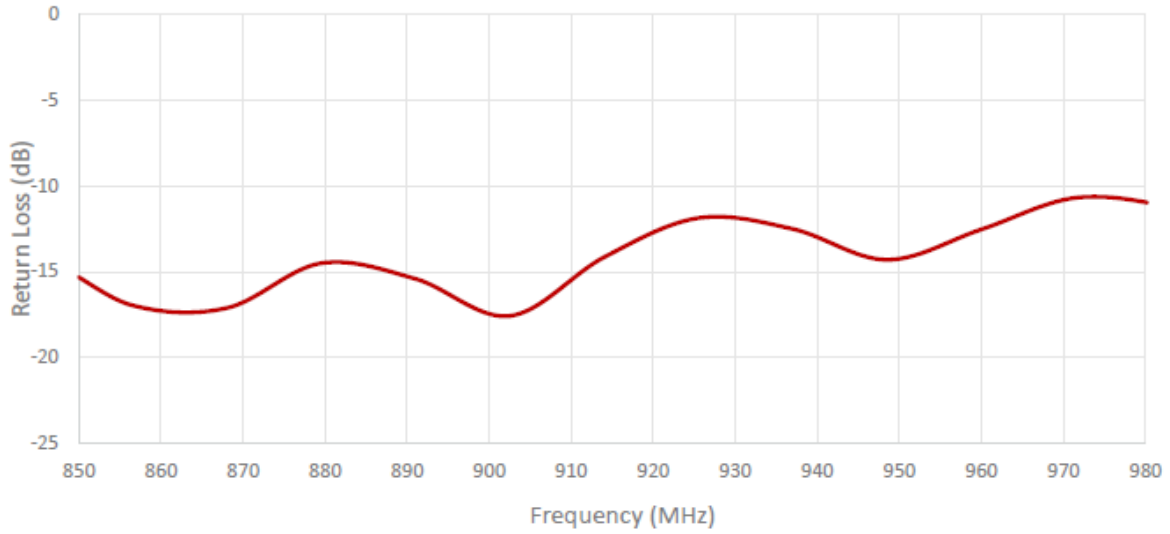
2. Mechanical and environmental specifications

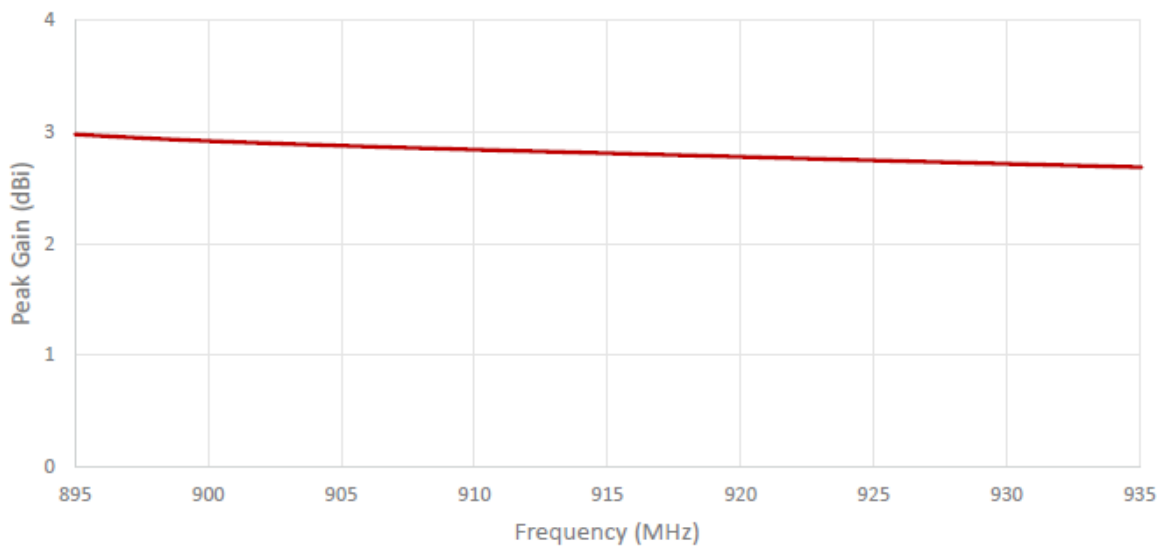
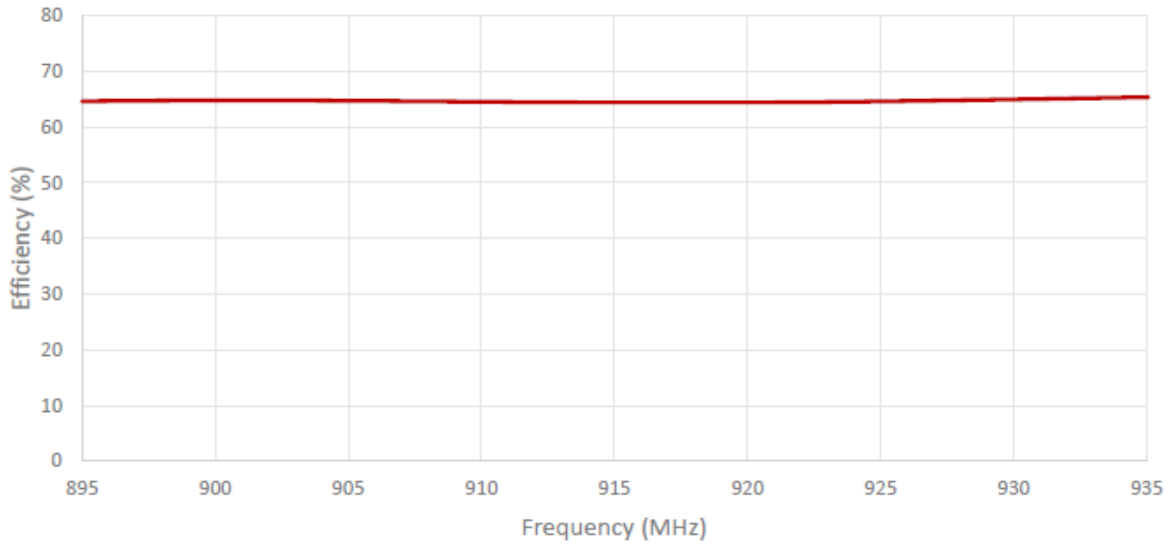
| | |
|-----------------------------------|-------------------------|
| Mounting Type | Magnetic mount |
| Dimensions (mm) | 88 x \varnothing 30.9 |
| Antenna Base | PP |
| Radome Colour | Black |
| Whip Material | Brass |
| Operating Temperature (°C) | -40 to +85 |
| Storage Temperature (°C) | -40 to +85 |
| Substance Compliance | RoHS |

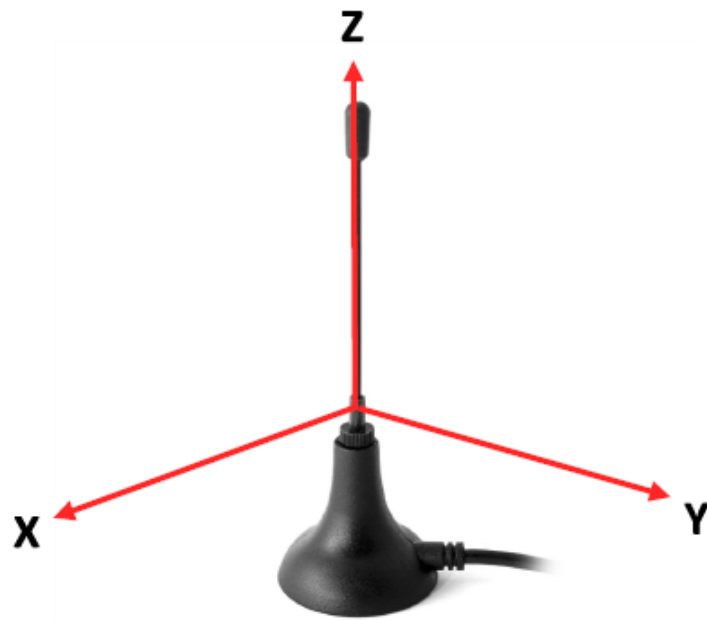
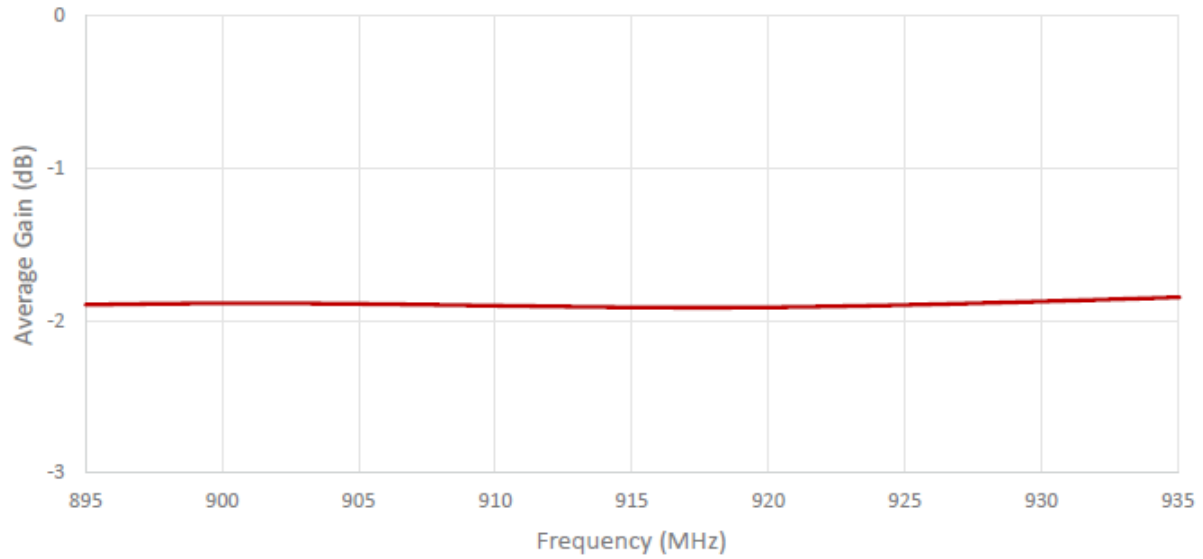
3. Antenna drawings



4. Antenna parameters

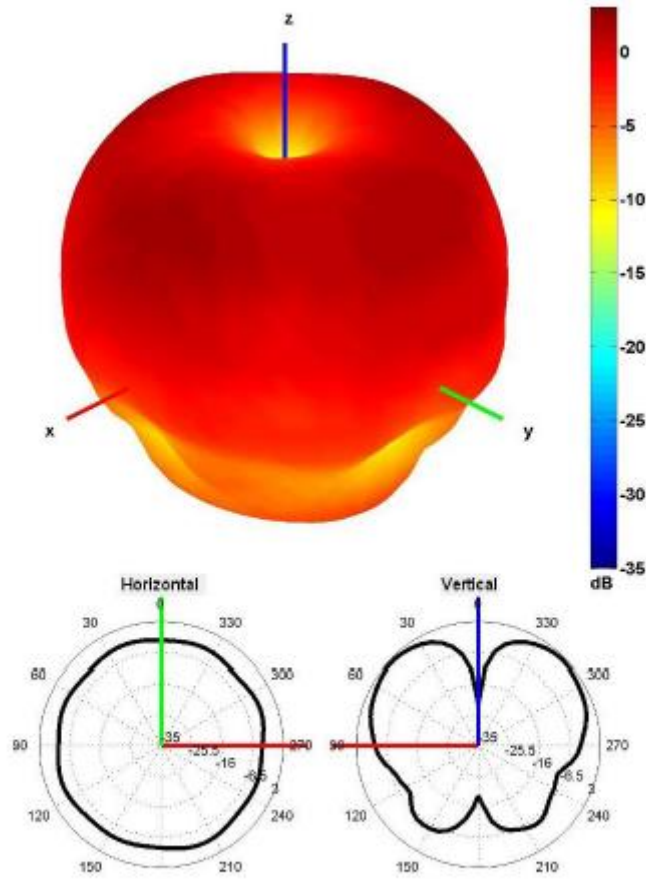






Radiation pattern reference





915 MHz Radiation pattern

