

2J3715M-868

868 MHz ISM Magnetic Mount

Key Features

- 868 MHz ISM
- 863-870 MHz
- Magnetic Mount
- Low Profile
- Ground Plane Dependent
- Customizable Cable and Connector
- Dimensions Ø 31 x 71.5 mm



1. Antenna and electrical specifications

| Parameters | 868 MHz ISM Antenna |
|-----------------------------|--|
| Standards | ZigBee, ISM, SIGFOX, LoRa |
| Band (MHz) | 868 MHz |
| Frequency (MHz) | 863-870 |
| Return Loss (dB) | ~-16.4 |
| VSWR | ~1.4:1 |
| Efficiency (%) | ~58.9 |
| Peak Gain (dBi) | ~1.7 |
| Average Gain (dB) | ~-2.3 |
| Impedance (Ohm) | 50 |
| Polarisation | Linear |
| Radiation Pattern | Omni-Directional |
| Max. Input Power (W) | 25 |
| Connector Type | SMA-Male Standard (Other Connectors Available) |
| Cable Length | 300 cm Standard (Any Cable Length Available) |
| Cable Type | RG174 Standard (Other Cables Available) |

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Ground Plane

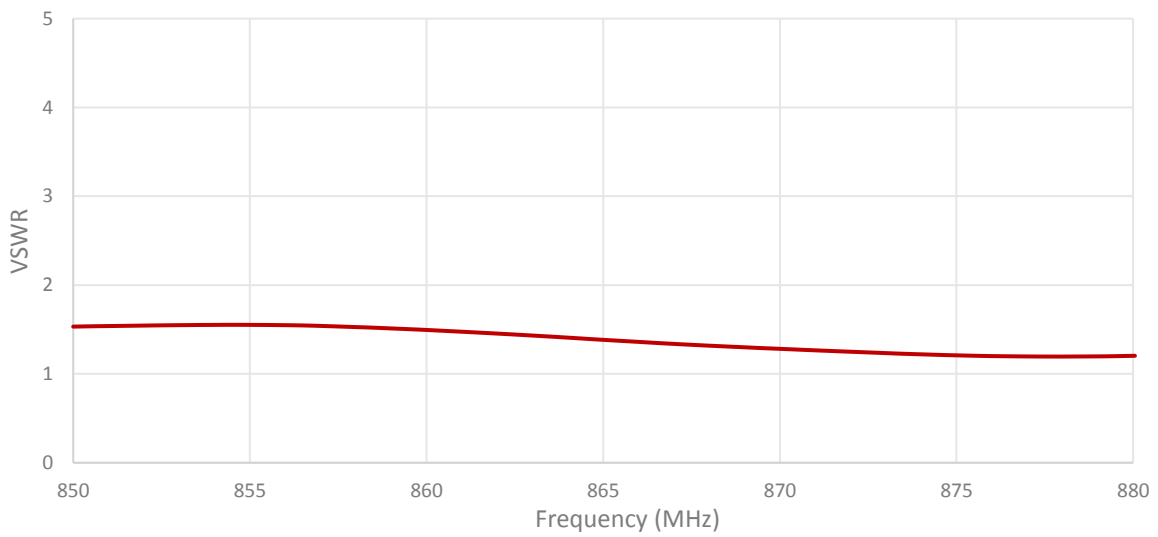
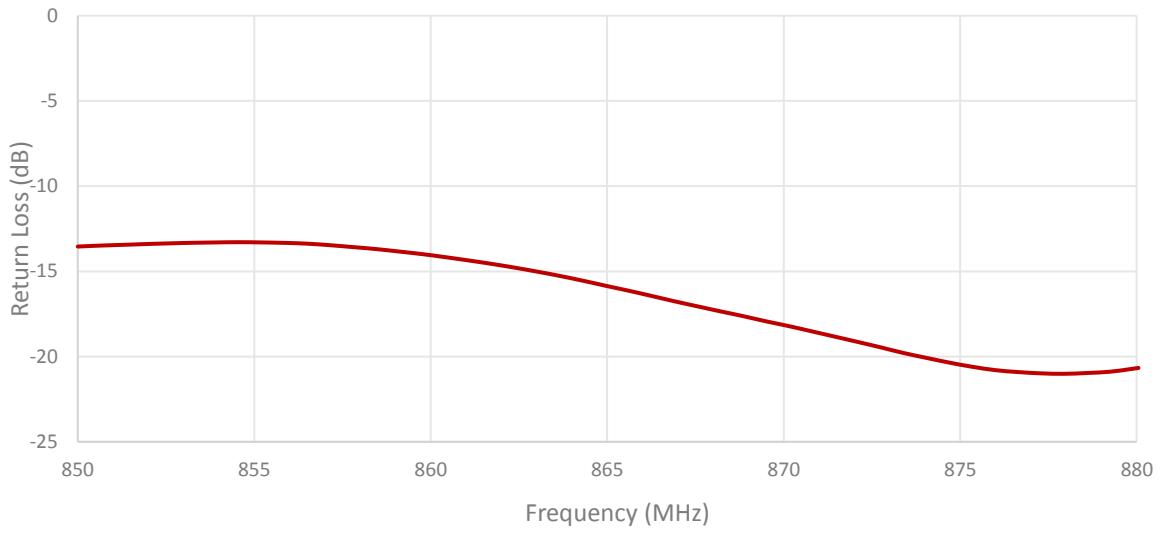
200 cm RG174 Cable Length

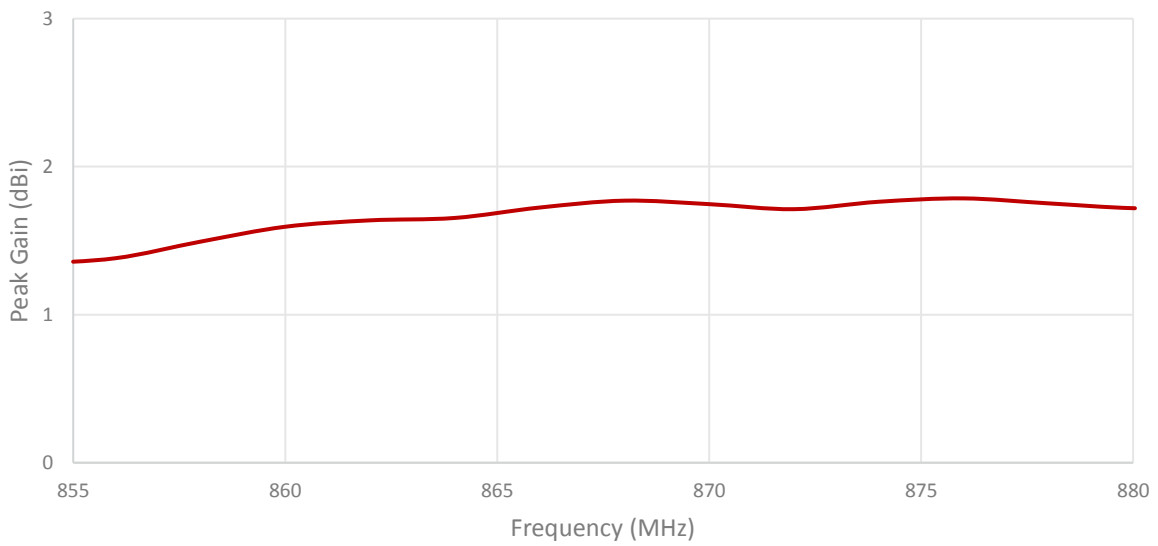
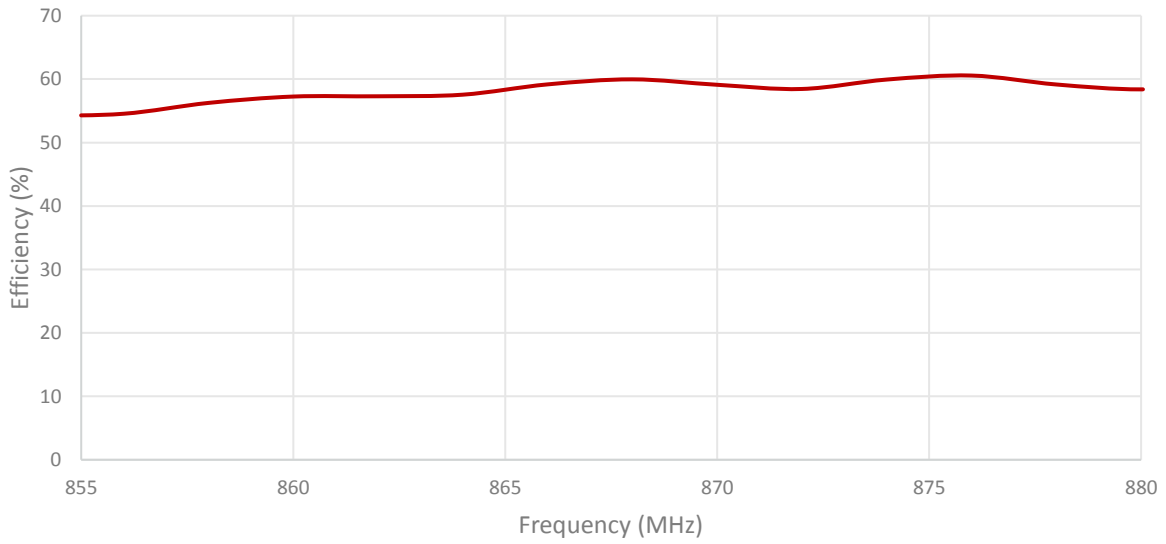
Measured in Certified CTIA 3D Anechoic Chamber

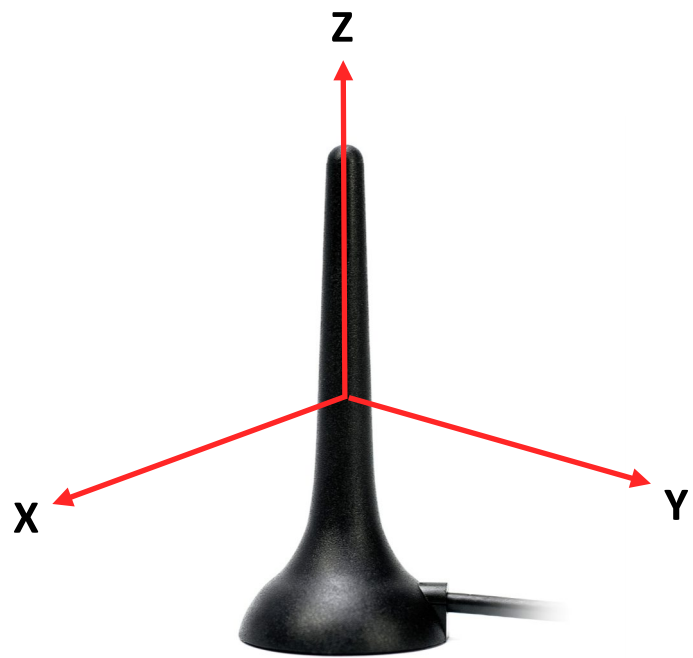
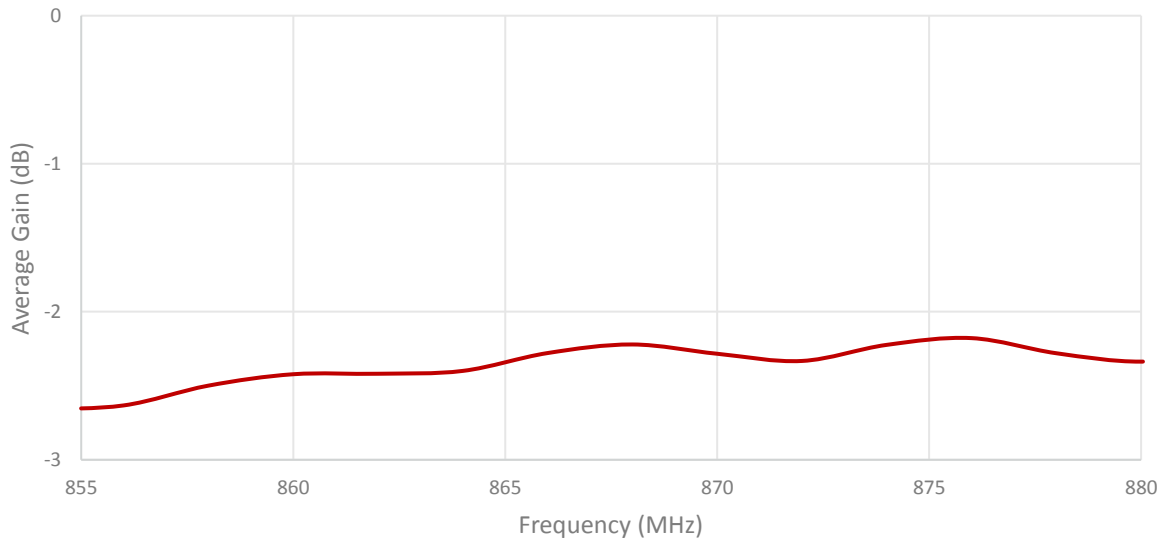
2. Mechanical and environmental specifications

| Specifications | 2J3715M-868 |
|----------------------------------|------------------|
| Mounting Type | Magnetic Mount |
| Dimensions (mm) | Ø 31 × 71.5 |
| Radome | PC/ABS UV Stable |
| Radome color | Black |
| Operating Temperature (C) | -40 to +85 |
| Storage Temperature (C) | -40 to +85 |
| Substance Compliance | RoHS |

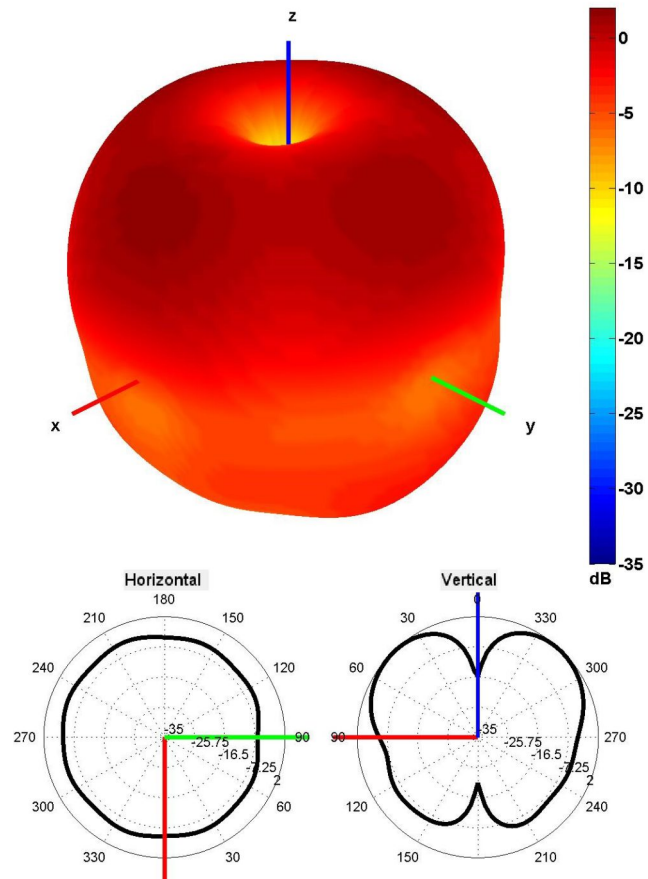
3. Antenna parameters





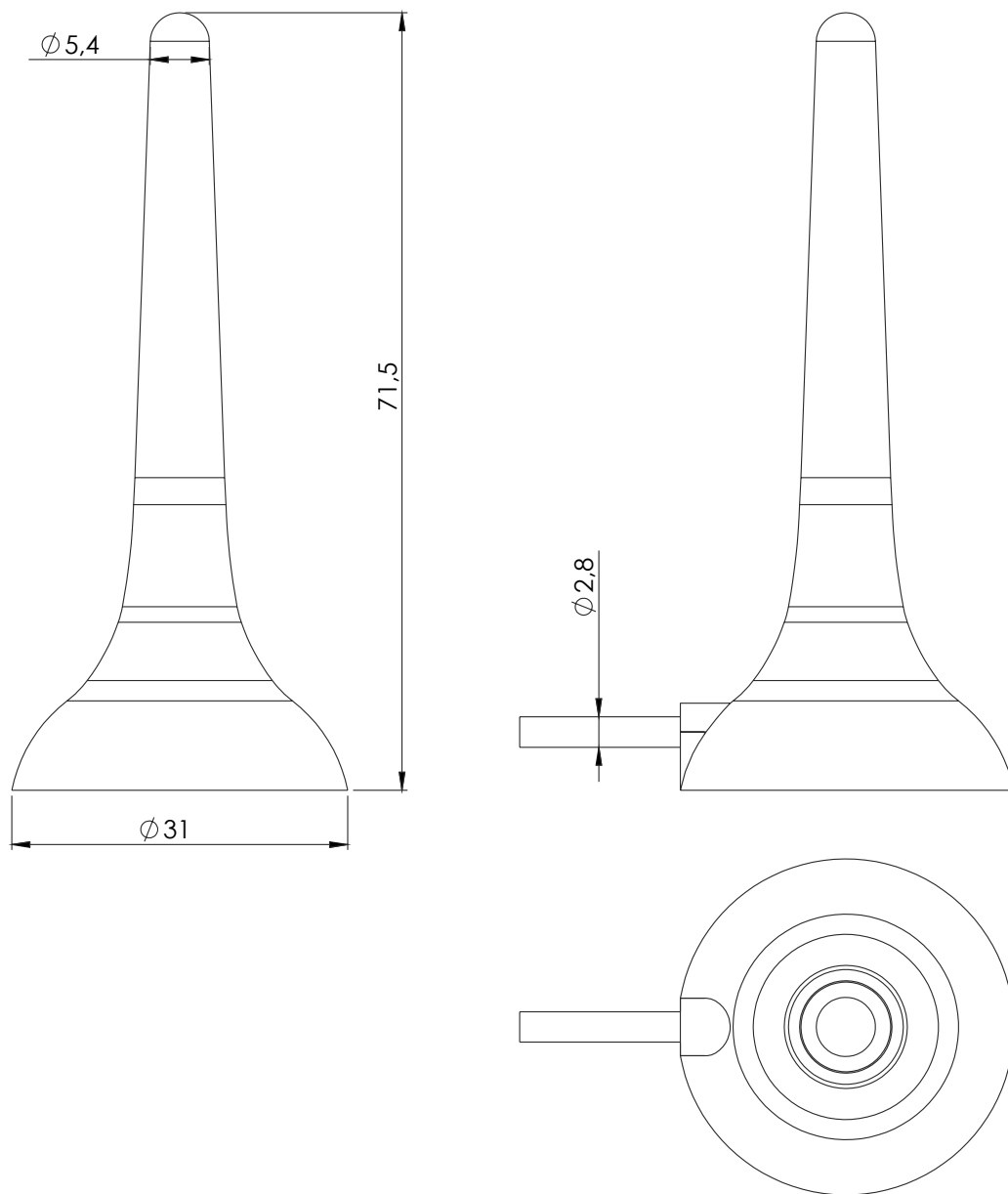


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

