antenna conceptor

Product Datasheet

# 2J7515M-915

## 915 MHz ISM Magnetic Mount

## Key Features

**915 MHz ISM**
- 902-928 MHZ
Magnetic Mount
High Performance
Ground Plane Dependent
Customizable Cable and Connector
Dimensions ø 54 x 80 mm
Certificates IP67, IP69



## 1. Antenna and electrical specifications

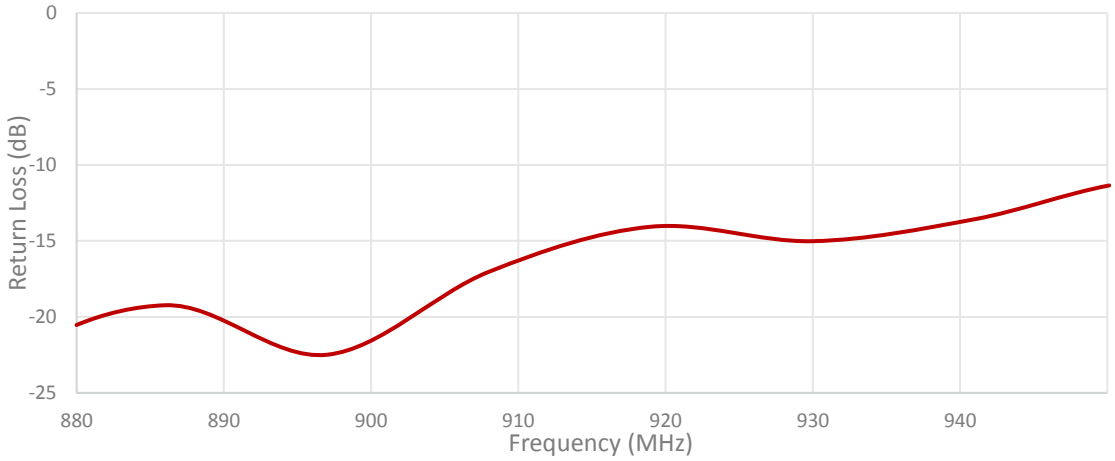
| Parameters | 915 MHz ISM Antenna |
|---|---|
| Standards | ZigBee, ISM, SIGFOX, LoRa, RFID |
| Band (MHz) | 915 MHz |
| Frequency (MHz) | 902-928 |
| Return Loss (dB) | ~-14 |
| VSWR | ~1.4:1 |
| Efficiency (%) | ~66 |
| Peak Gain (dBi) | ~2.3 |
| Average Gain (dB) | ~-1.4 |
| Impendance (Ohm) | 50 |
| 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 | D302 Standard (Other Cables Available) |

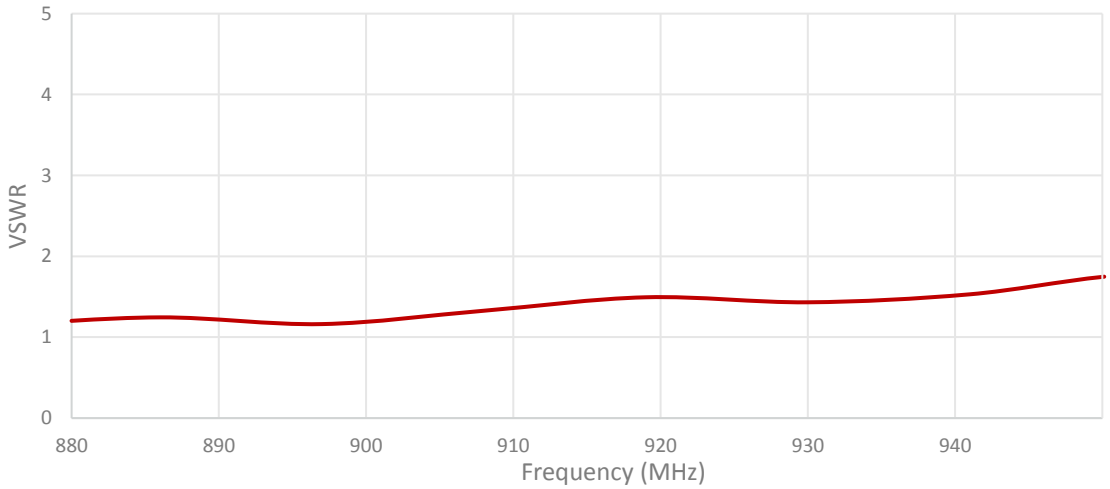
**Antenna Measurement Conditions:**
Mounted on 30 x 30 cm Metal Plate
200 cm of D302
Measured in Certified CTIA 3D Anechoic Chamber

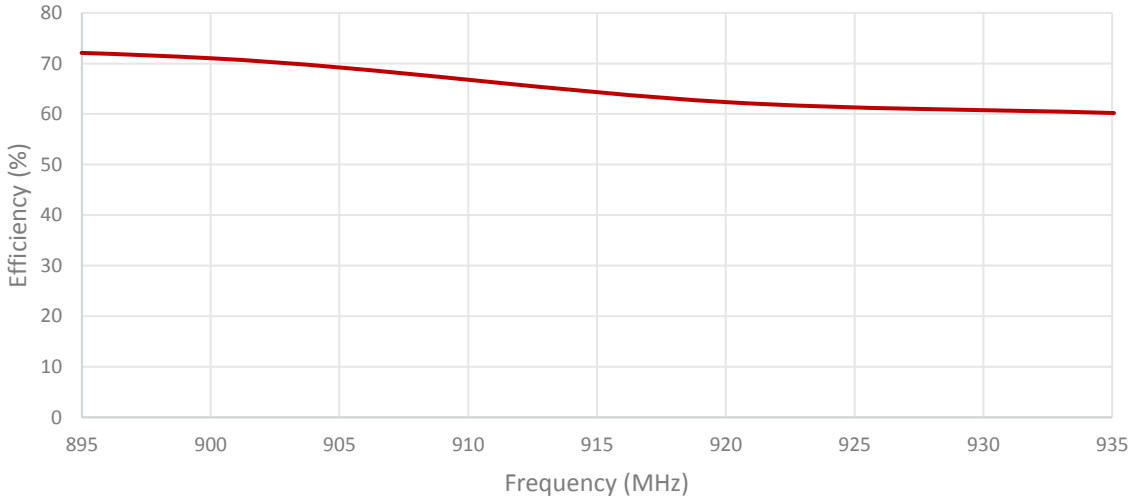
## 2. Mechanical and environmental specifications

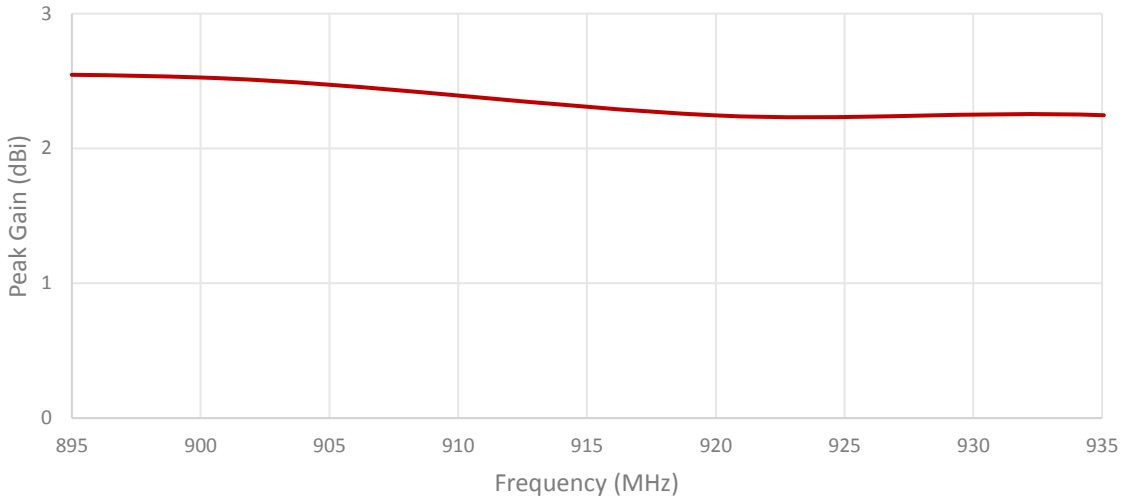
| Specifications | 2J7515M-915 |
|---|---|
| Mounting Type | Magnetic Mount |
| Dimensions (mm) | Ø 54 × 80 |
| Radome | ASA |
| Radome color | Black |
| Antenna Base | Zamak |
| Gasket | TPE |
| Operating Temperature (C) | -40 to +85 |
| Storage Temperature (C) | -40 to +85 |
| Substance Compliance | RoHS |
| Certificates | IP67, IP69 |

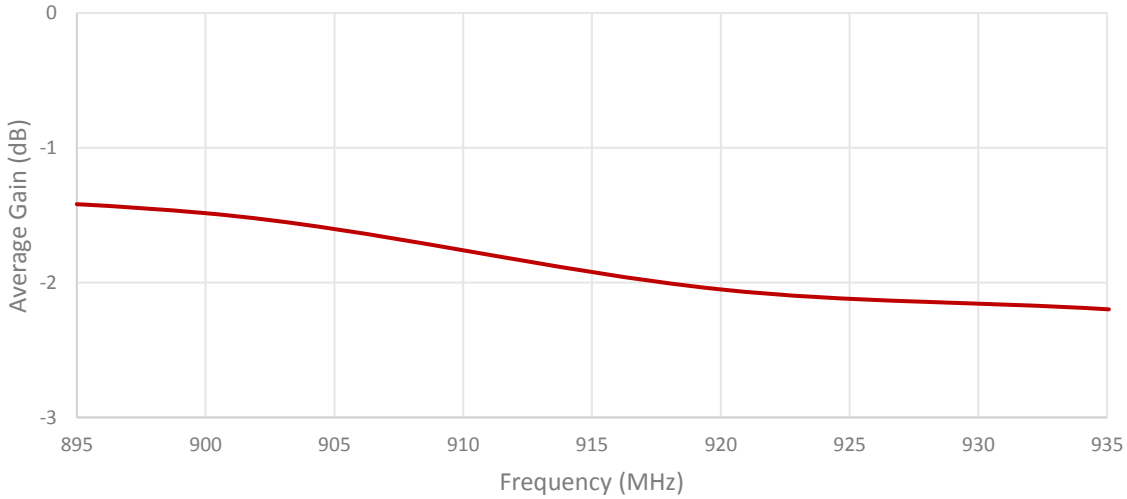
## 3. Antenna parameters

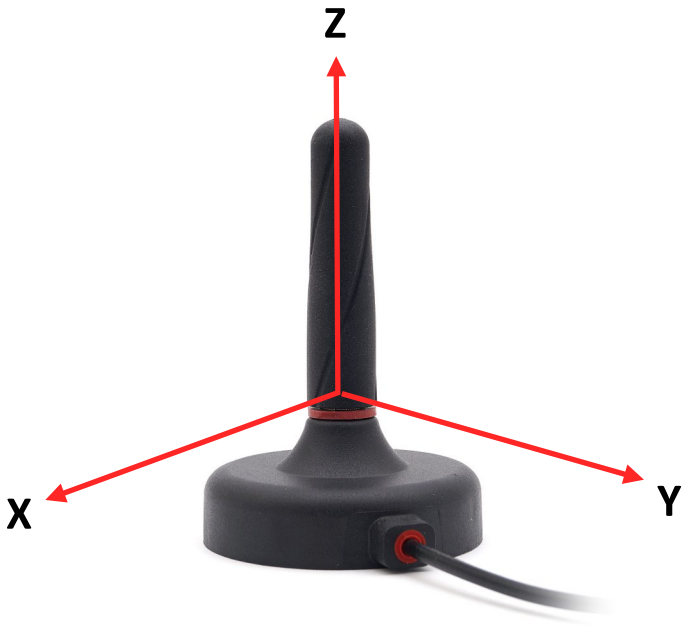


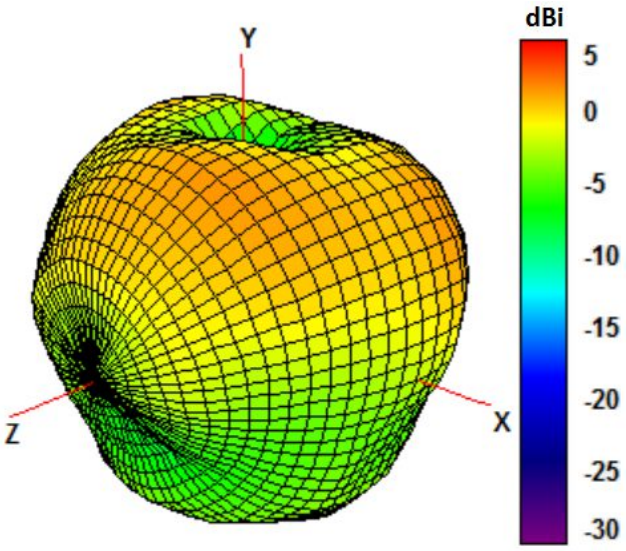

80
70
60
50
40
30
20
10
0
Efficiency (%)
895
900
905
910
915
920
925
930
935
Frequency (MHz)


3
2
1
0
Peak Gain (dBi)
895
900
905
910
915
920
925
930
935
Frequency (MHz)



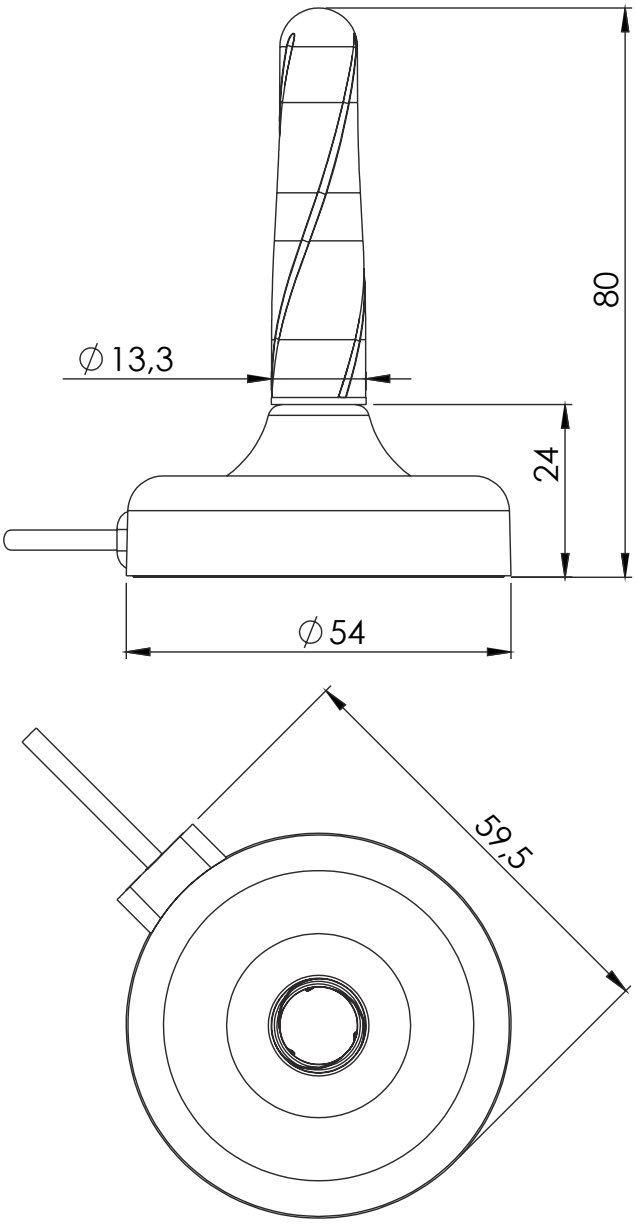




Radiation pattern reference




915 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

