

## 2J0710-C708N

433 MHz ISM Connector Mount

### Key Features

433 MHz ISM  
- 433-435 MHz  
Connector Mount  
Ground Plane Dependent  
Low Profile  
Dimensions Ø 15.7 x 57.3 mm



## 1. Antenna and electrical specifications

| Parameters                  | 433 MHz ISM Antenna |
|-----------------------------|---------------------|
| <b>Standards</b>            | ISM, LoRa           |
| <b>Band (MHz)</b>           | 433 MHz             |
| <b>Frequency (MHz)</b>      | 433-435             |
| <b>Return Loss (dB)</b>     | ~-13.2              |
| <b>VSWR</b>                 | ~1.6:1              |
| <b>Efficiency (%)</b>       | ~50                 |
| <b>Peak Gain (dBi)</b>      | ~-1.1               |
| <b>Average Gain (dB)</b>    | ~-3.0               |
| <b>Impedance (Ohm)</b>      | 50                  |
| <b>Polarisation</b>         | Linear              |
| <b>Radiation Pattern</b>    | Omni-Directional    |
| <b>Max. Input Power (W)</b> | 25                  |
| <b>Connector Type</b>       | SMA-Male Standard   |

### Antenna Measurement Conditions:

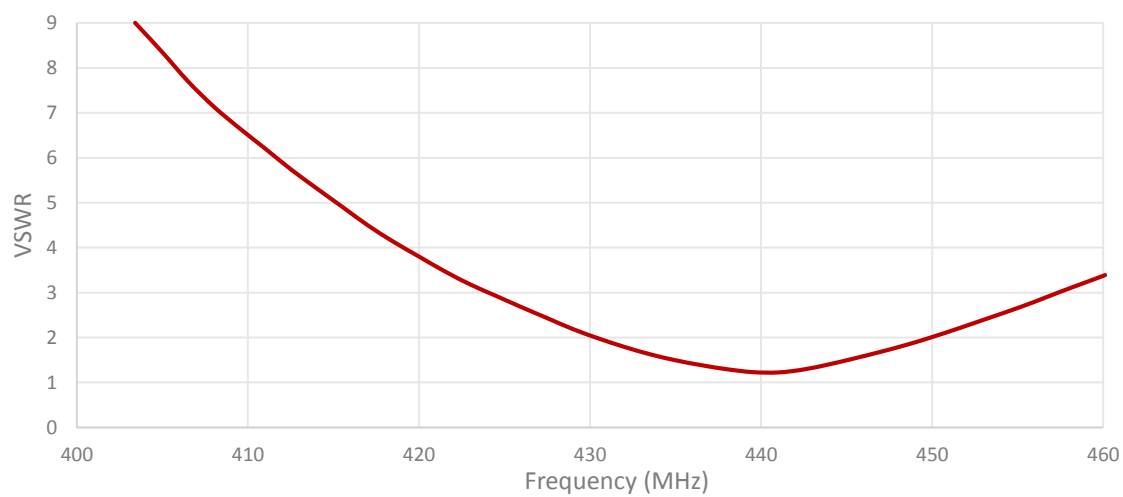
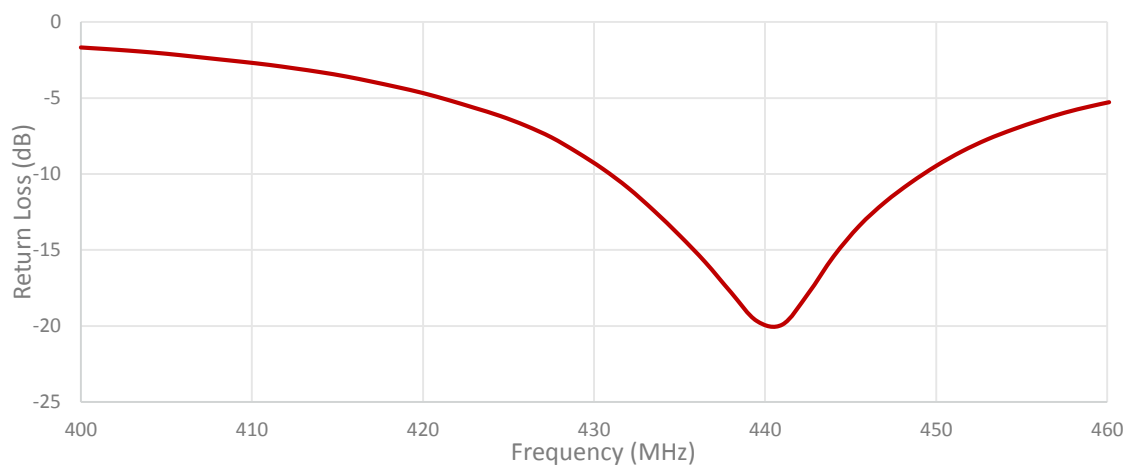
Mounted on Ground Plane of 150x50 mm

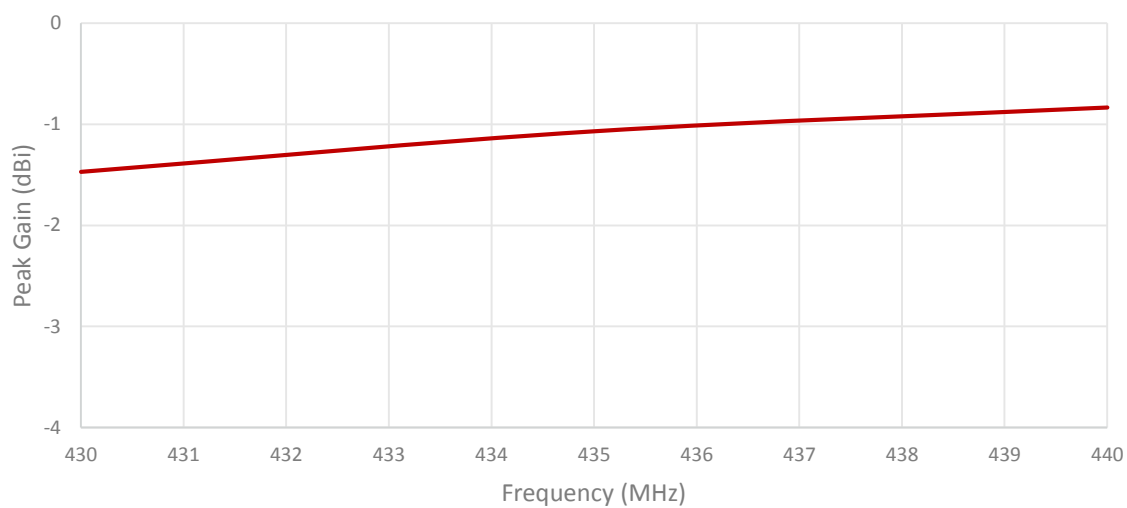
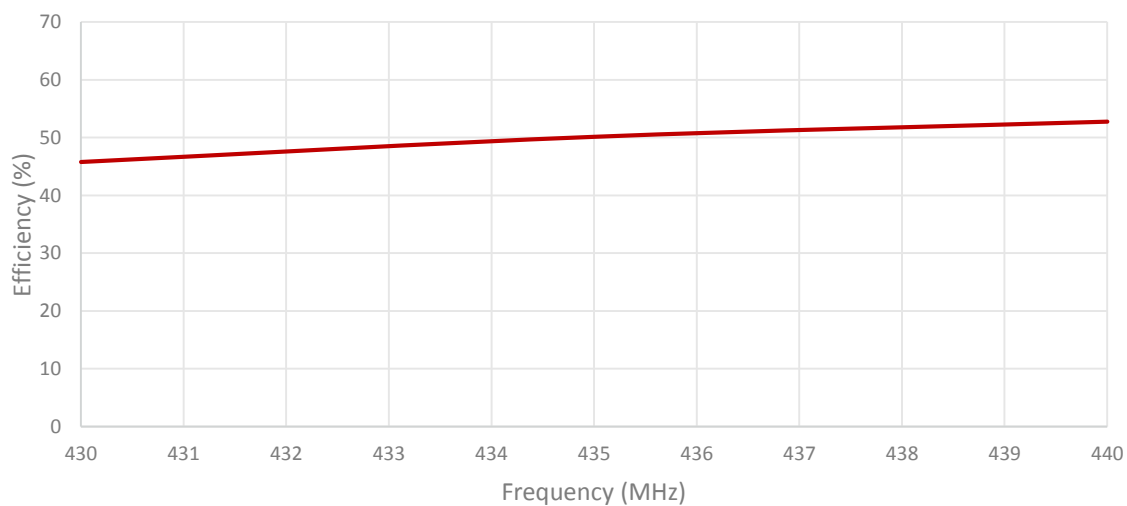
Measured in Certified CTIA 3D Anechoic Chamber

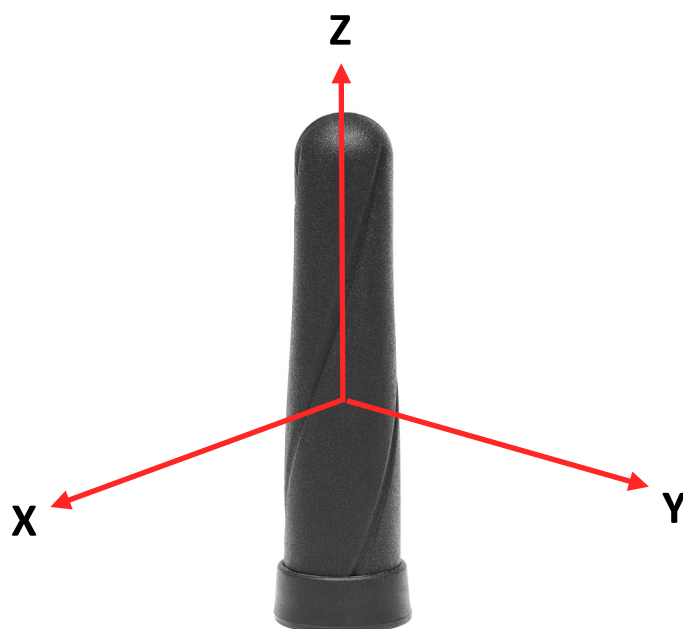
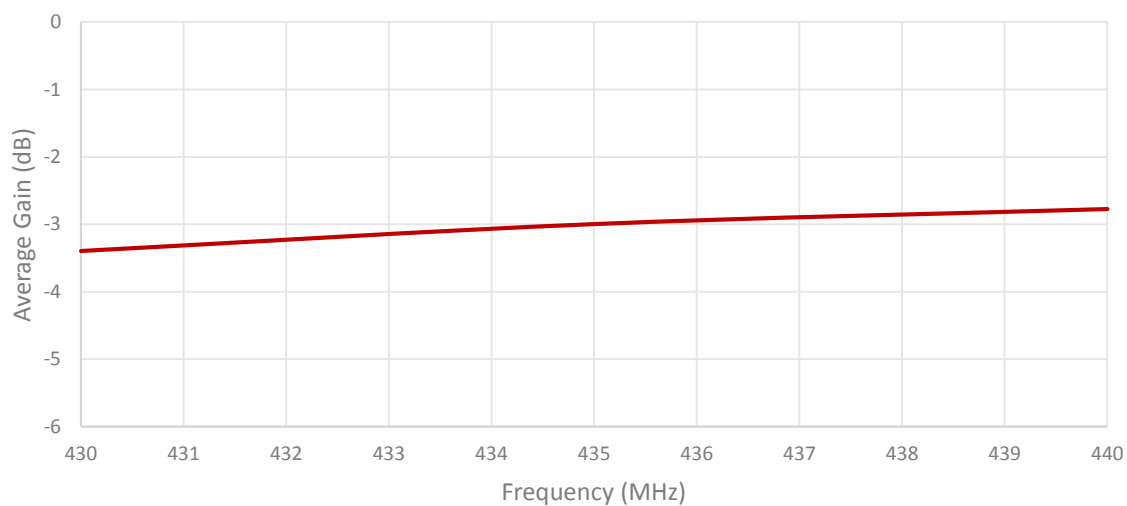
## 2. Mechanical and environmental specifications

| Specifications                   | 2J0710-C708N    |
|----------------------------------|-----------------|
| <b>Mounting Type</b>             | Connector Mount |
| <b>Dimensions (mm)</b>           | Ø 15.7 x 57.3   |
| <b>Radome</b>                    | TPE             |
| <b>Radome color</b>              | Black           |
| <b>Operating Temperature (C)</b> | -40 to +85      |
| <b>Storage Temperature (C)</b>   | -40 to +85      |
| <b>Substance Compliance</b>      | RoHS            |

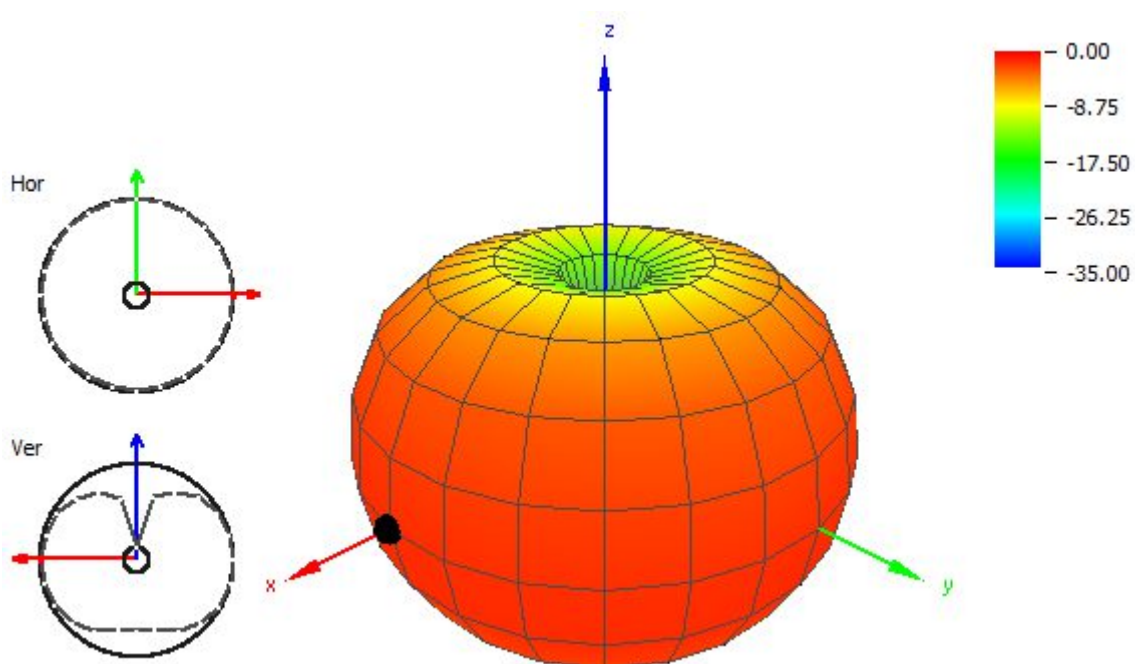
### 3. Antenna parameters





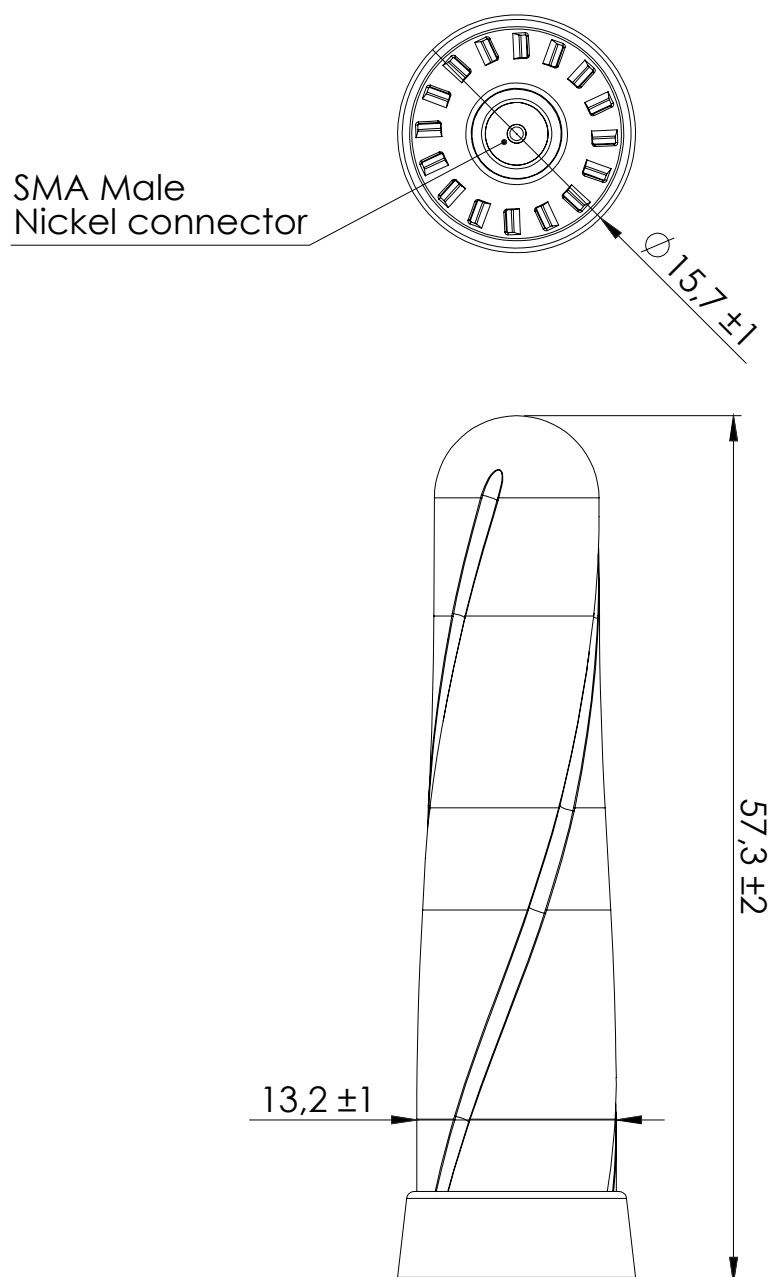


Radiation pattern reference



433 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

