

## 2JW0315-868-C675B

868 MHz ISM Connector Mount

### Key Features

- 868 MHz ISM
- 863-870 MHz
- Connector Mount
- Ground Plane Independent
- Hinged Connector
- Dimensions 113 × Ø 10 mm



## 1. Antenna and electrical specifications

| Parameters                  | 868 MHz ISM Antenna       |
|-----------------------------|---------------------------|
| <b>Standards</b>            | ZigBee, ISM, SIGFOX, LoRa |
| <b>Band (MHz)</b>           | 868 MHz                   |
| <b>Frequency (MHz)</b>      | 863-870                   |
| <b>Return Loss (dB)</b>     | ~-11.0                    |
| <b>VSWR</b>                 | ~1.8:1                    |
| <b>Efficiency (%)</b>       | ~51.2                     |
| <b>Peak Gain (dBi)</b>      | ~1.4                      |
| <b>Average Gain (dB)</b>    | ~-2.9                     |
| <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:

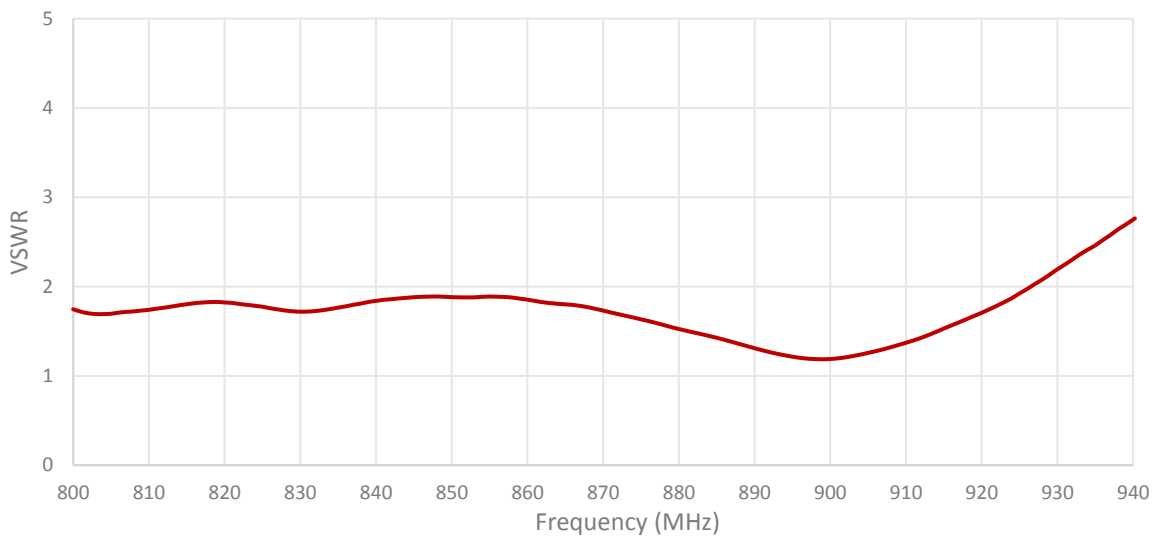
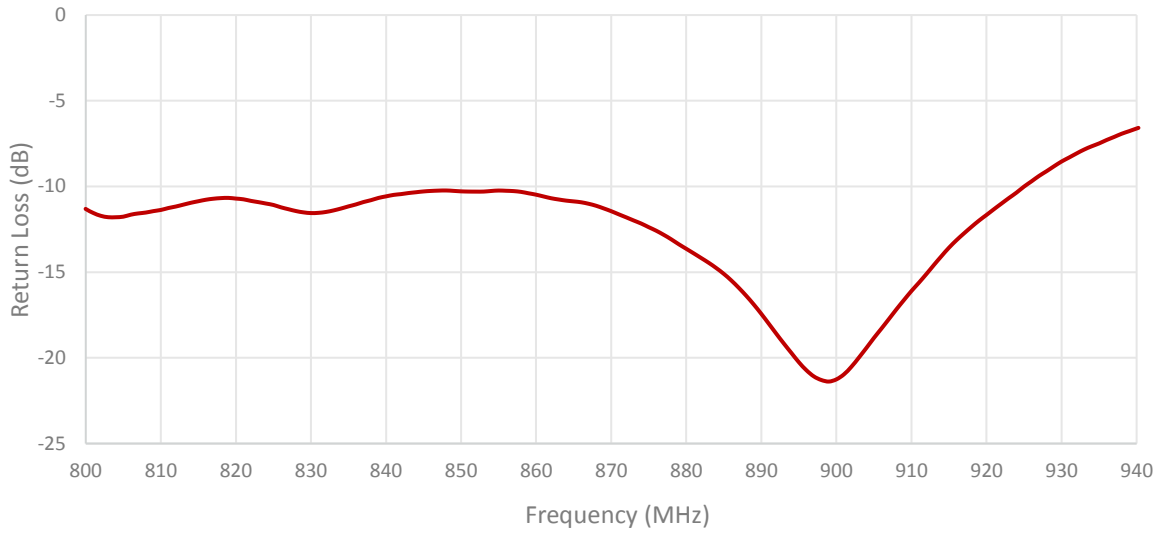
Free Space

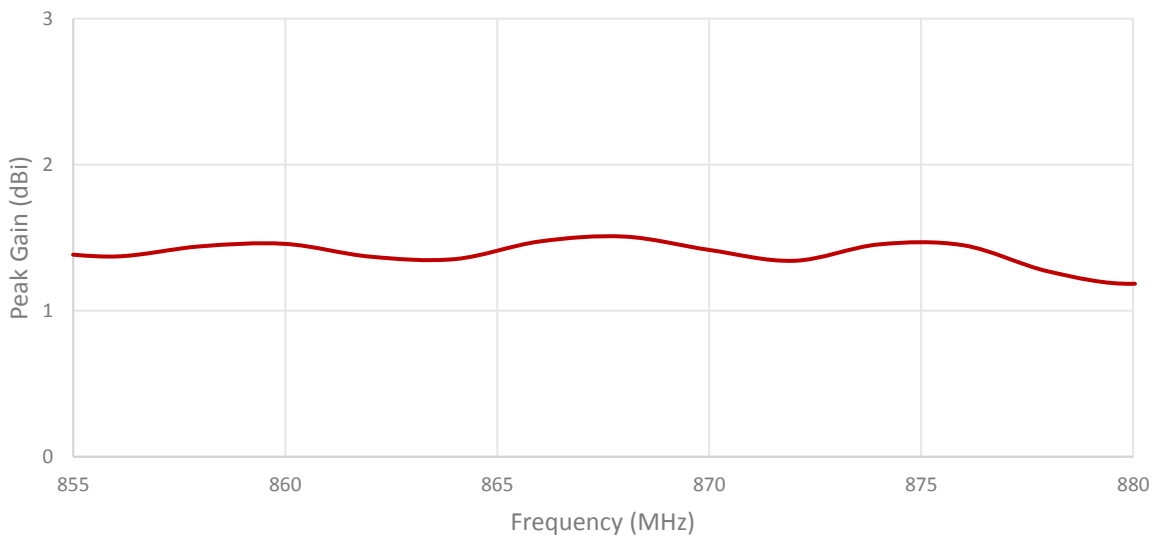
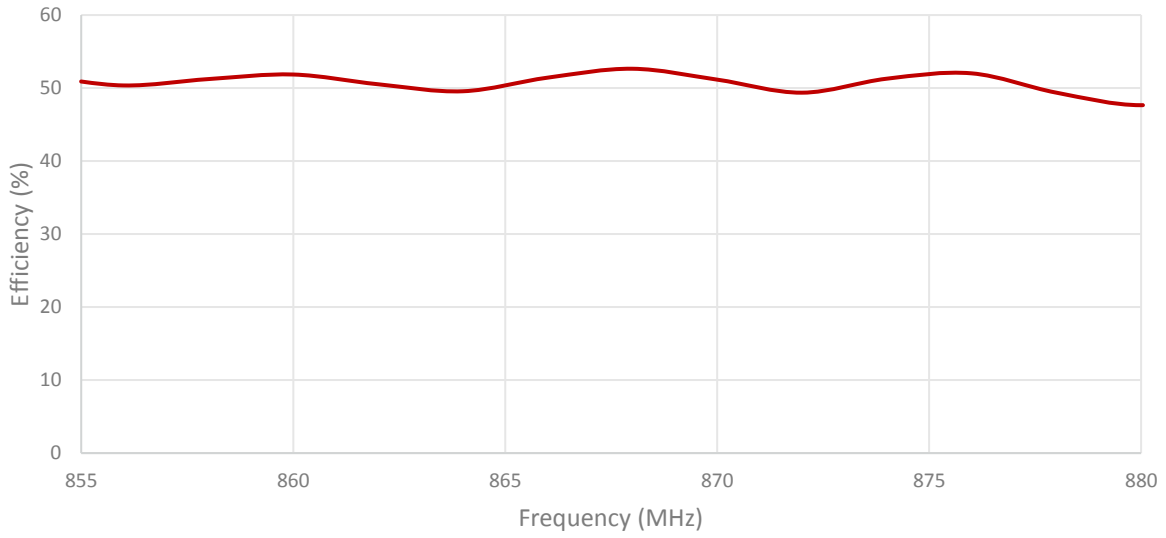
Measured in Certified CTIA 3D Anechoic Chamber

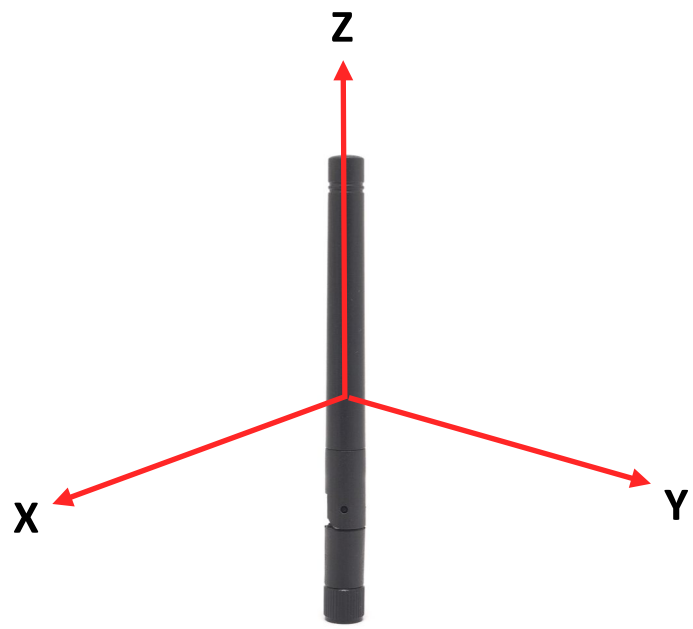
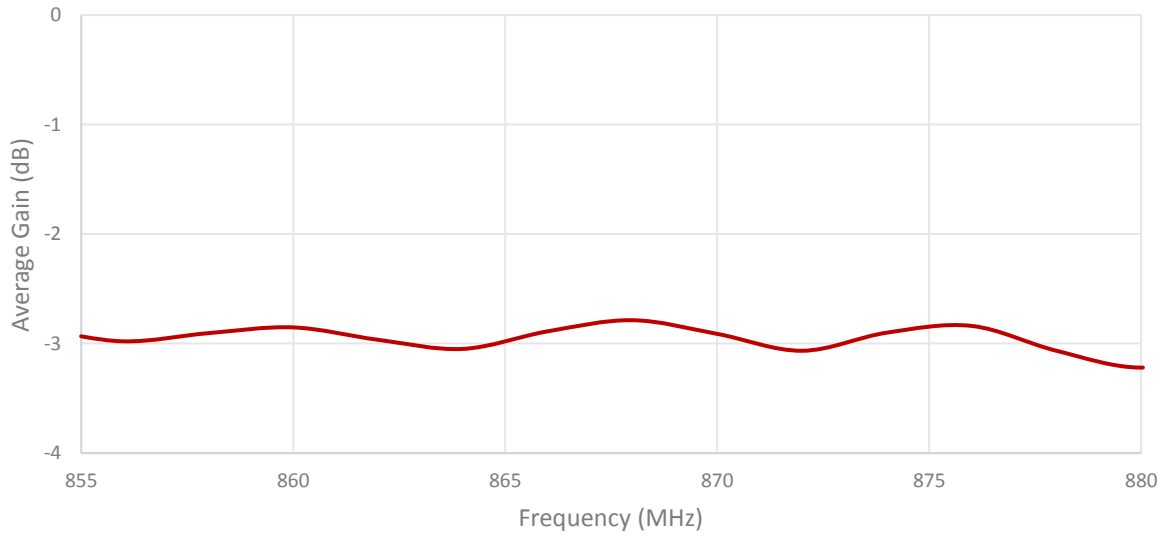
## 2. Mechanical and environmental specifications

| Specifications                   | 2JW0315-868-C675B |
|----------------------------------|-------------------|
| <b>Mounting Type</b>             | Connector Mount   |
| <b>Dimensions (mm)</b>           | 113 × Ø 10        |
| <b>Radome</b>                    | ABS UV Stable     |
| <b>Radome color</b>              | Black             |
| <b>Connector Feature</b>         | Hinged            |
| <b>Operating Temperature (C)</b> | -40 to +85        |
| <b>Storage Temperature (C)</b>   | -40 to +85        |
| <b>Substance Compliance</b>      | RoHS              |

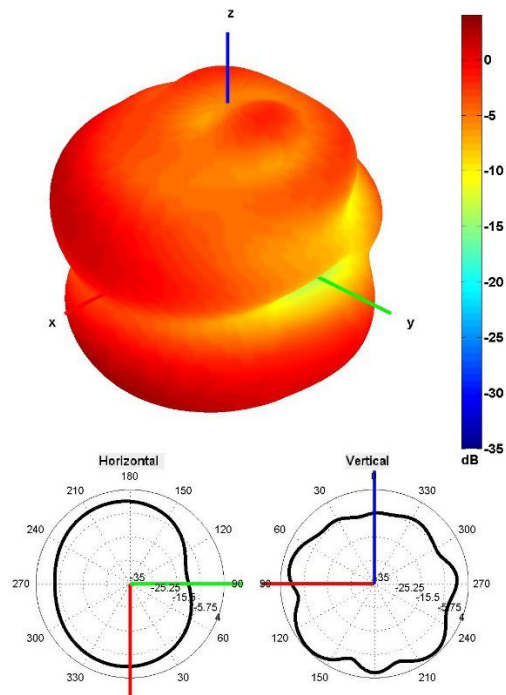
### 3. Antenna parameters





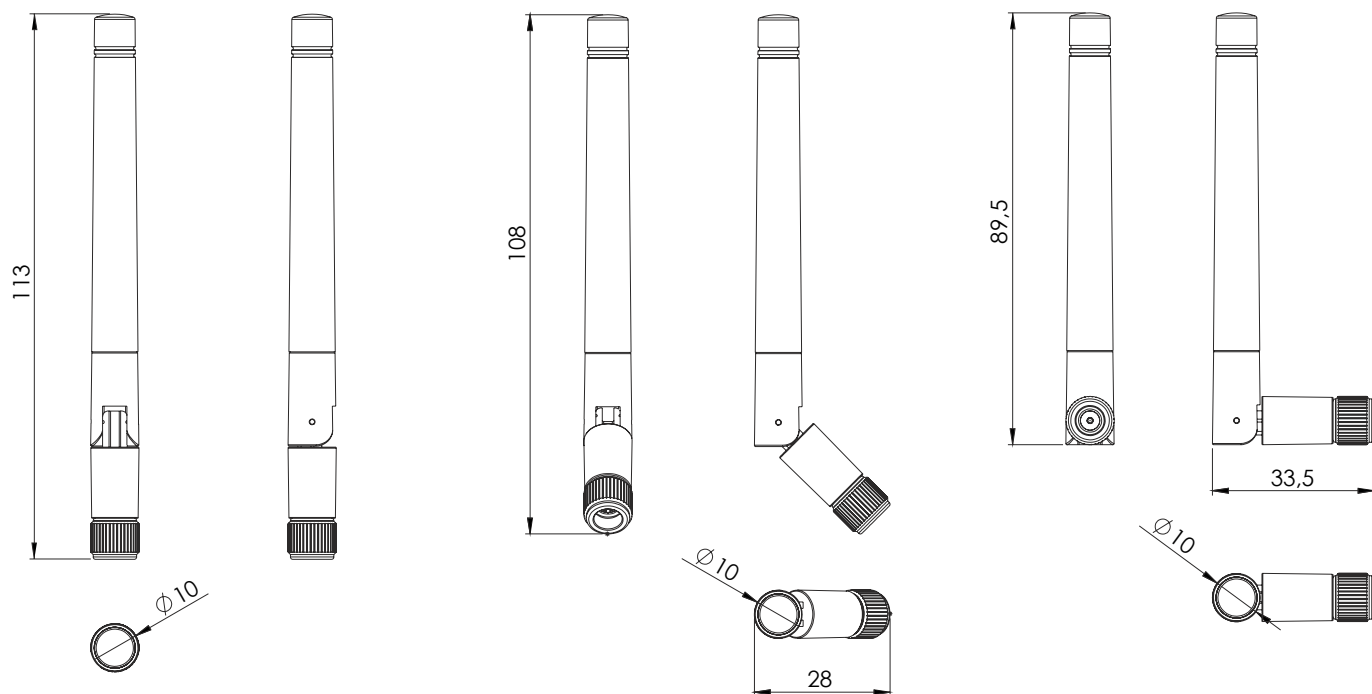


Radiation pattern reference



868 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images





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