

## 2JP0615P

433 MHz ISM Rigid Fiberglass

### Key Features

#### 433 MHz ISM

- 433-435 MHz

Self-Adhesive

Ground Plane Independent

Customized Cable and Connector

Dimensions 104 x 8.5 x 0.8 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>     | ~-23.7                                             |
| <b>VSWR</b>                 | ~1.1:1                                             |
| <b>Efficiency (%)</b>       | ~32.6                                              |
| <b>Peak Gain (dBi)</b>      | ~-2.6                                              |
| <b>Average Gain (dB)</b>    | ~-4.9                                              |
| <b>Impedance (Ohm)</b>      | 50                                                 |
| <b>Polarization</b>         | Linear                                             |
| <b>Radiation Pattern</b>    | Omni-Directional                                   |
| <b>Max. Input Power (W)</b> | 25                                                 |
| <b>Connector Type</b>       | U.FL Standard (Other Connectors Available)         |
| <b>Cable Length</b>         | 250mm Standard (Any Cable Length Available)        |
| <b>Cable Type</b>           | 1.37mm Mini-Coax Standard (Other Cables Available) |

### Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

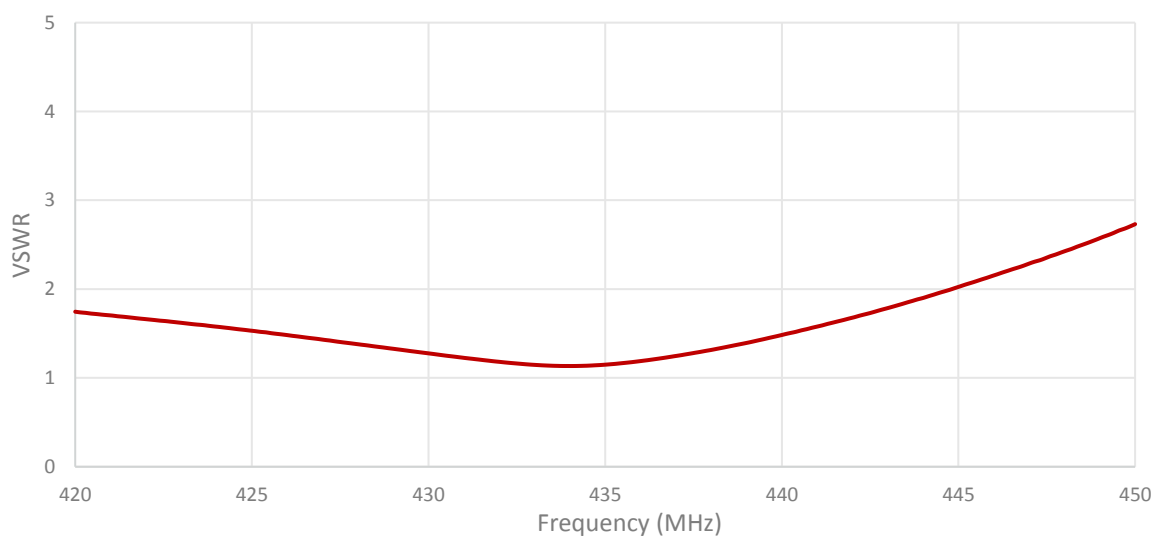
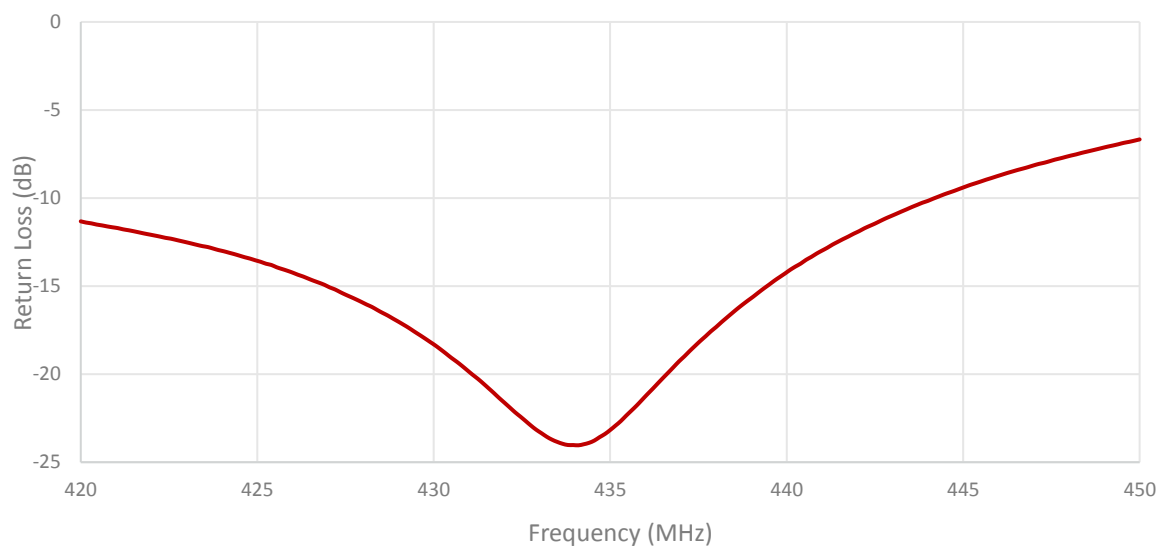
250 mm 1.37 mm Cable

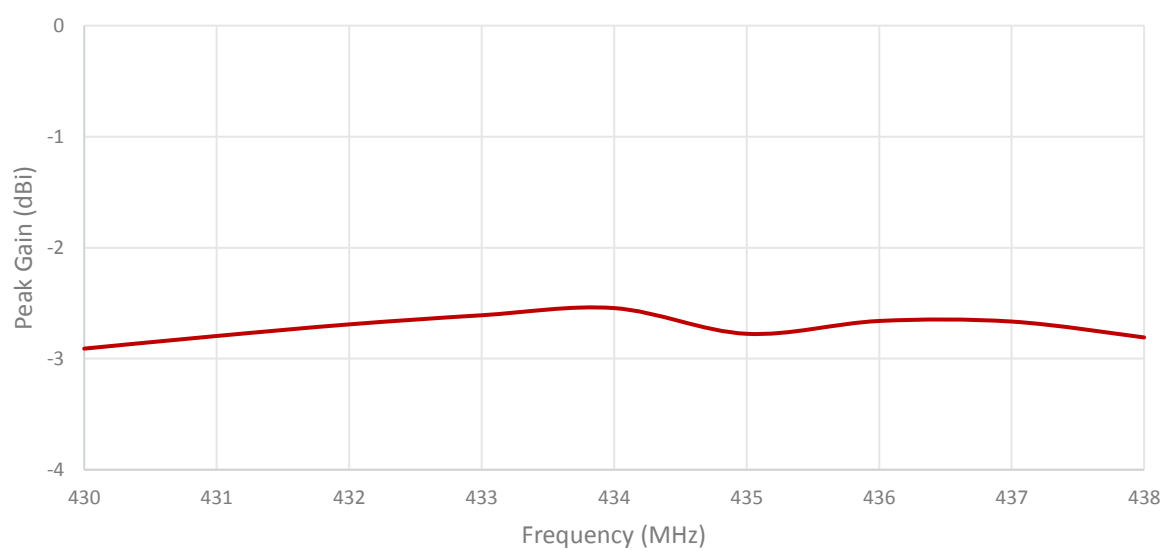
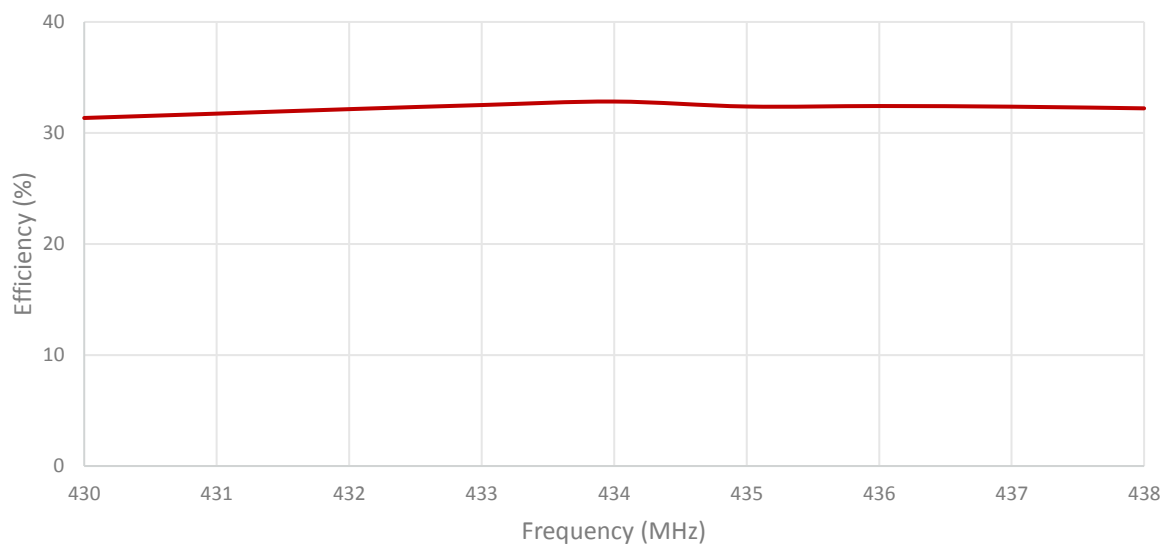
Measured in Certified CTIA 3D Anechoic Chamber

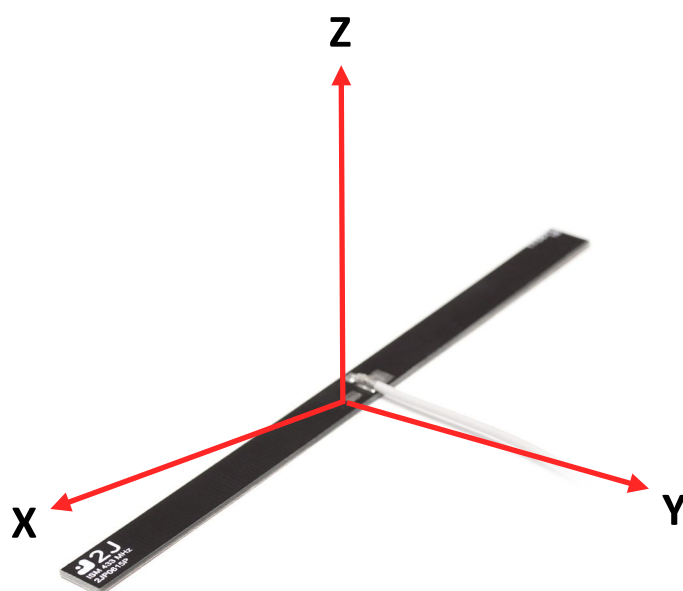
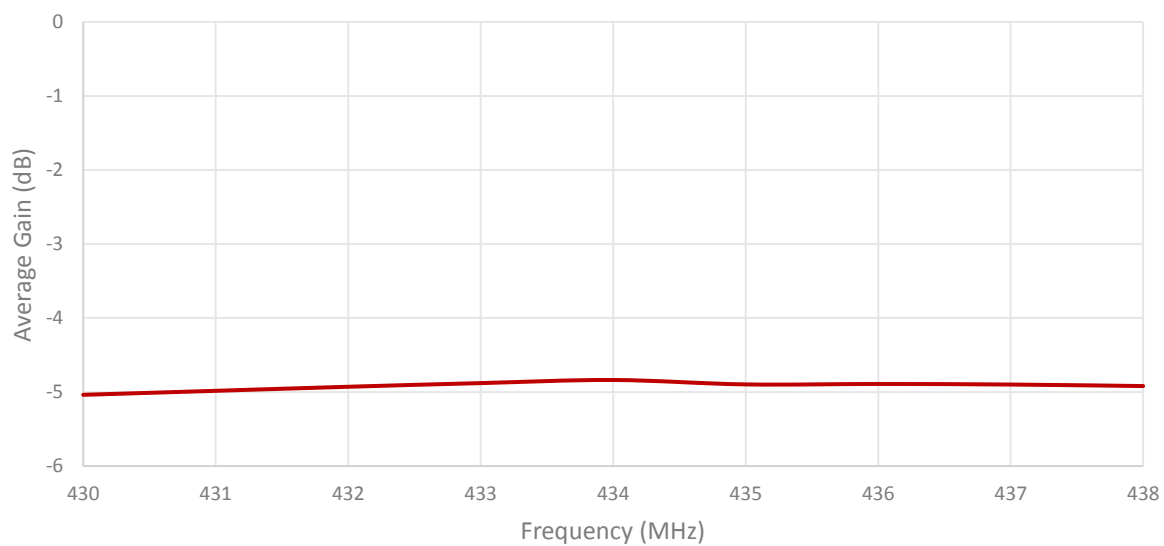
## 2. Mechanical and environmental specifications

| Specifications                   | 2JP0615P         |
|----------------------------------|------------------|
| <b>Mounting Type</b>             | Self-Adhesive    |
| <b>Dimensions (mm)</b>           | 104 x 8.5 x 0.8  |
| <b>Adhesive Type</b>             | 3M 467           |
| <b>Material</b>                  | Rigid Fiberglass |
| <b>Operating Temperature (C)</b> | -40 to +85       |
| <b>Storage Temperature (C)</b>   | -40 to +85       |
| <b>Substance Compliance</b>      | RoHS             |

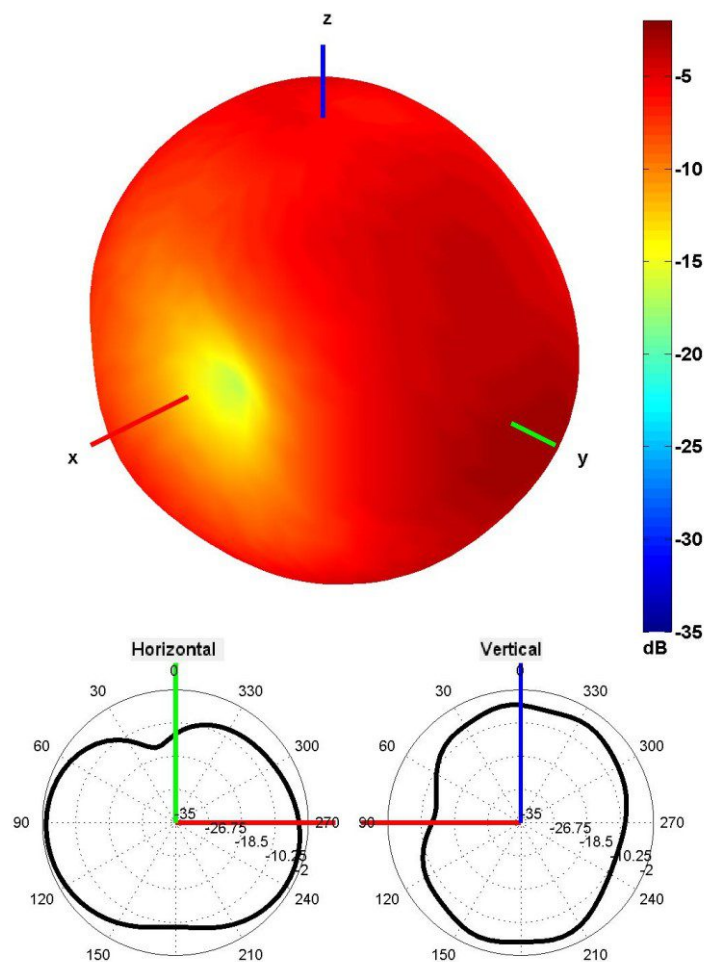
### 3. Antenna parameters





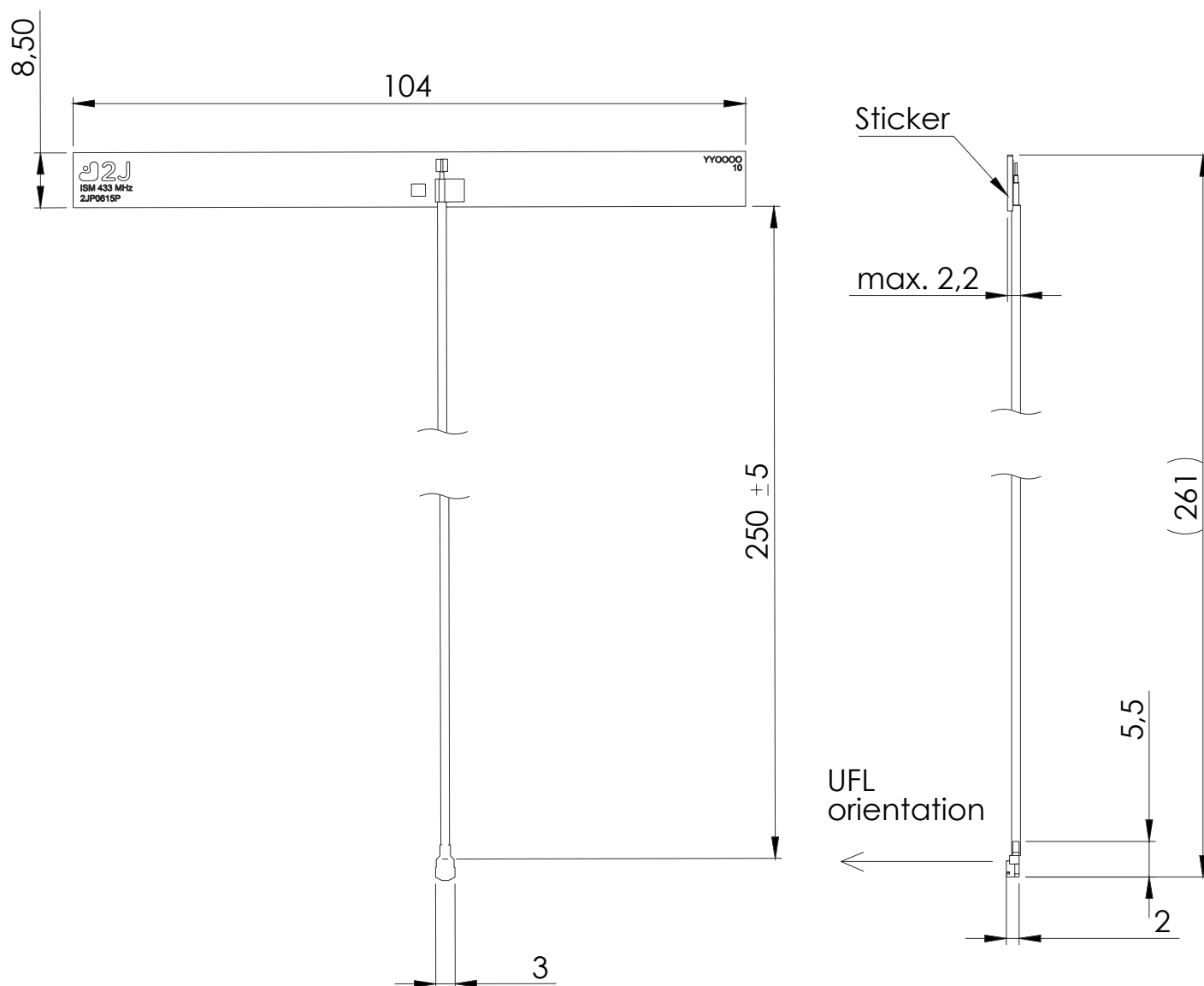


Radiation pattern reference



433 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

