

## 2JF0101P

### GNSS Flexible Polymer

#### Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Self-Adhesive

High Performance

Ground Plane Independent

Customizable Cable and Connector

Dimensions 42 x 8.9 x 0.2 mm



## 1. Antenna and electrical specifications

| Parameters                 | GNSS Antenna                                       |                  |           |
|----------------------------|----------------------------------------------------|------------------|-----------|
|                            | BeiDou                                             | GPS/QZSS/Galileo | GLONASS   |
| <b>Standards</b>           |                                                    |                  |           |
| <b>Bands (MHz)</b>         | 1561                                               | 1575             | 1602      |
| <b>Frequency (MHz)</b>     | 1561.098                                           | 1575.42          | 1598-1606 |
| <b>Return Loss (dB)</b>    | ~-17.2                                             | ~-16.0           | ~-15.9    |
| <b>VSWR</b>                | ~1.3:1                                             | ~1.3:1           | ~1.3:1    |
| <b>Efficiency (%)</b>      | ~70                                                | ~70              | ~69       |
| <b>Peak Gain (dBi)</b>     | ~2.9                                               | ~2.8             | ~2.9      |
| <b>Average Gain (dB)</b>   | ~-1.5                                              | ~-1.6            | ~-1.6     |
| <b>Impedance (Ohms)</b>    | 50                                                 |                  |           |
| <b>Radiation Pattern</b>   | Omni-Directional                                   |                  |           |
| <b>Polarization</b>        | Linear                                             |                  |           |
| <b>Max Input Power (W)</b> | 25                                                 |                  |           |
| <b>Connector Type</b>      | U.FL Standard (Other Connectors Available)         |                  |           |
| <b>Cable Length</b>        | 100mm 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

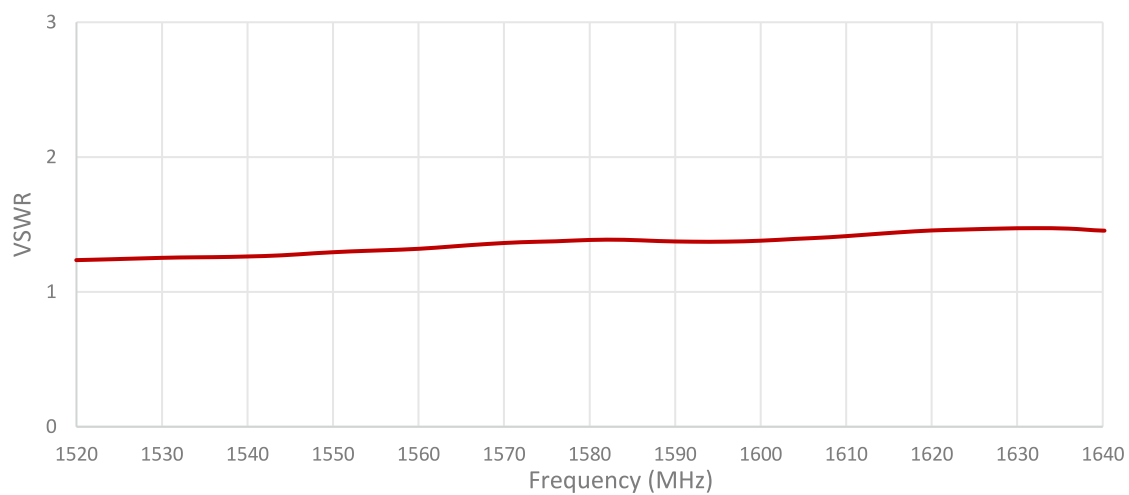
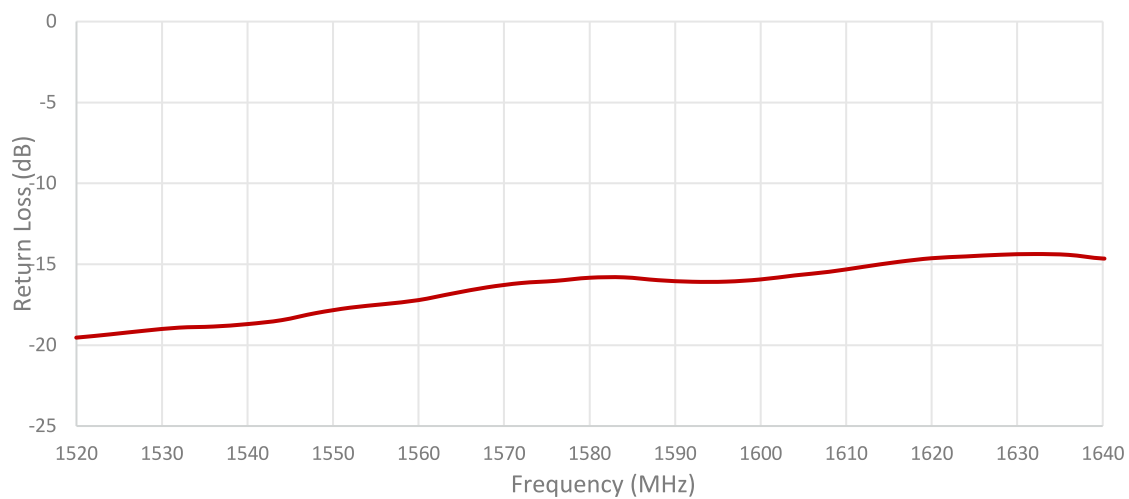
100mm of 1.37mm Mini-Coax Cable

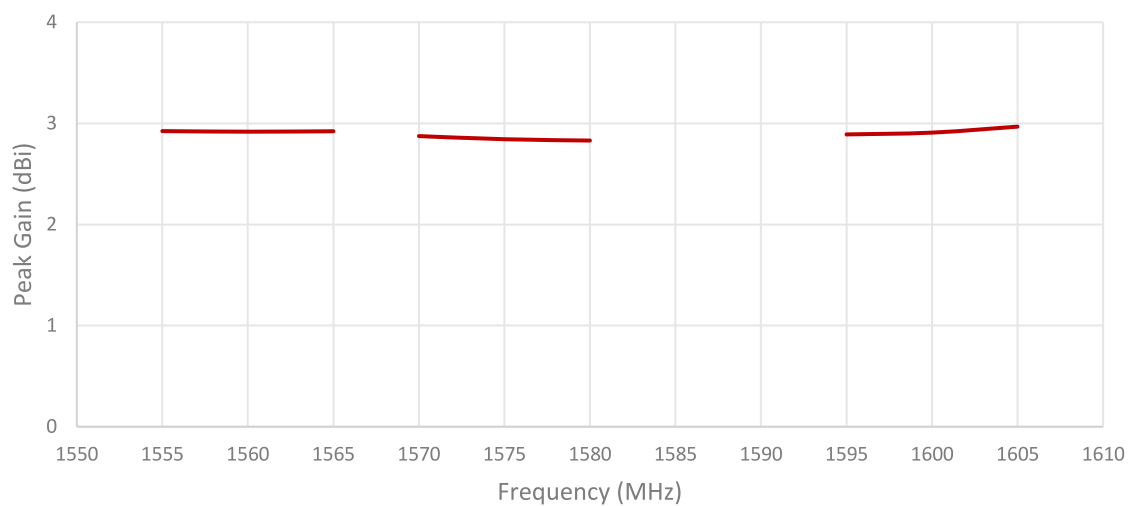
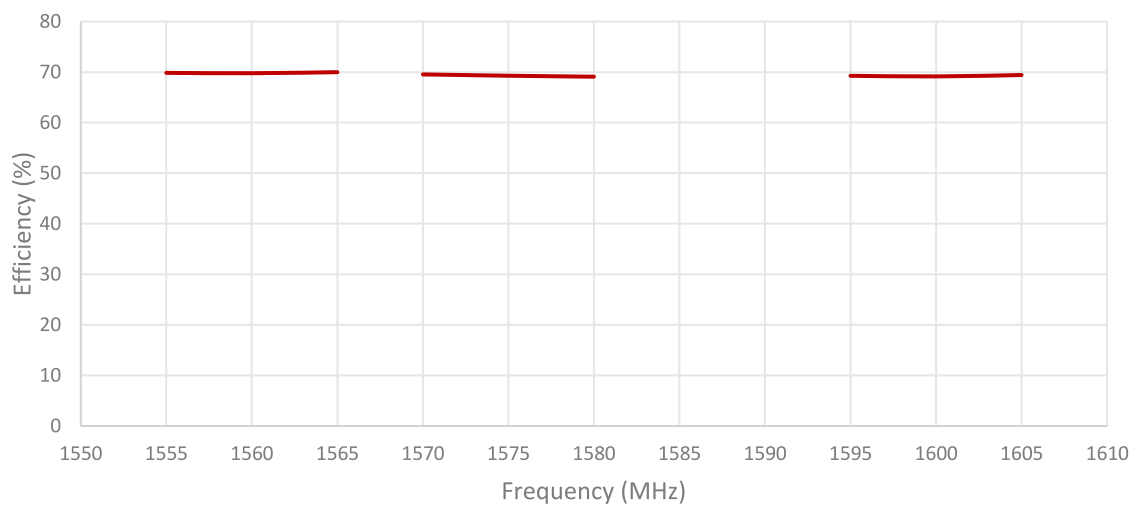
Measured in Certified CTIA 3D Anechoic Chamber

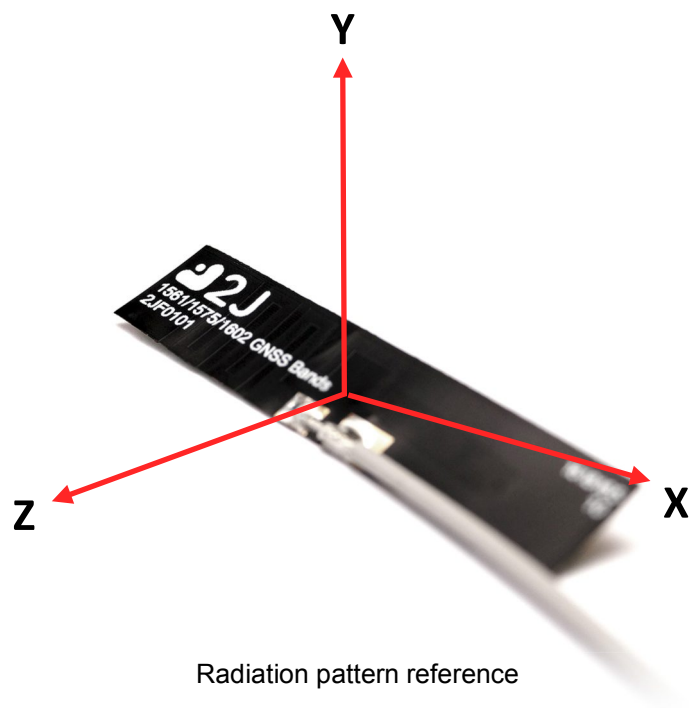
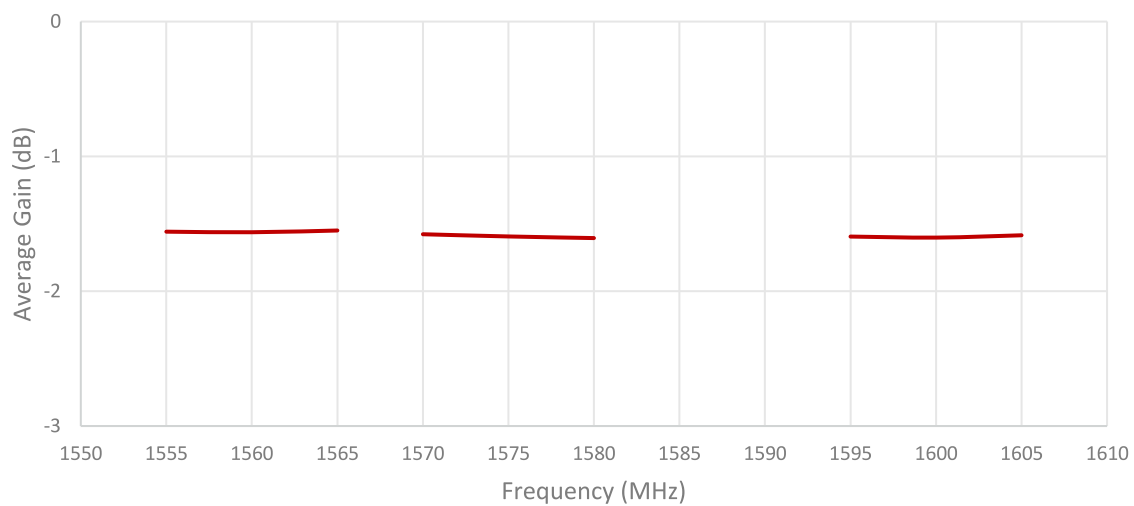
## 2. Mechanical and environmental specifications

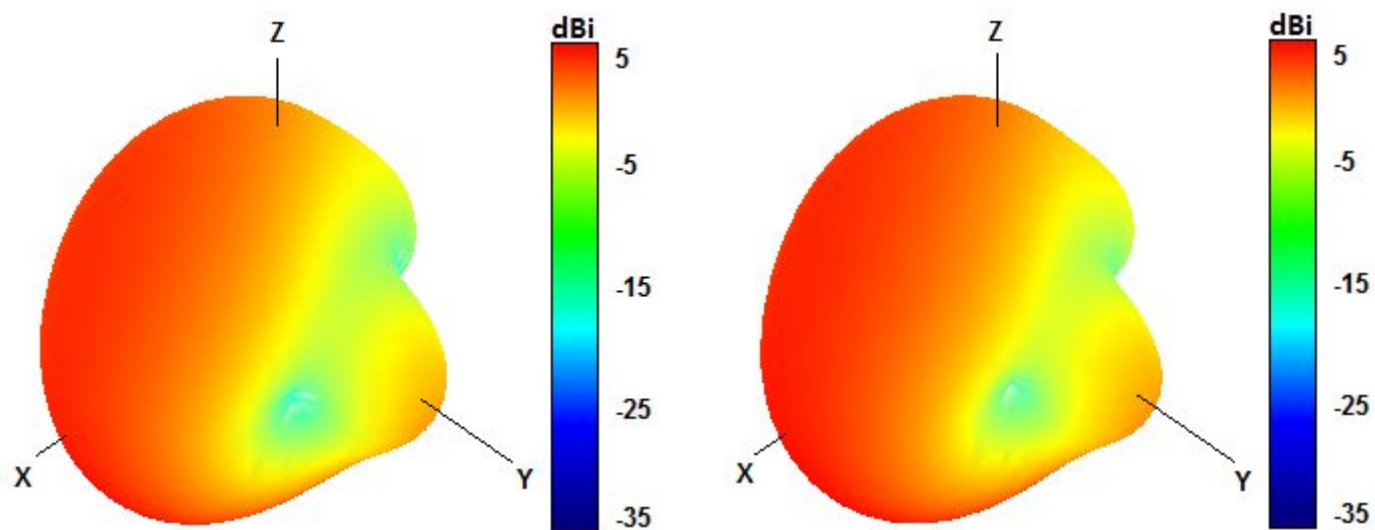
| Specifications                   | 2JF0101P         |
|----------------------------------|------------------|
| <b>Mounting Type</b>             | Self-Adhesive    |
| <b>Adhesive</b>                  | 3M 467           |
| <b>Dimensions (mm)</b>           | 42 x 8.9 x 0.2   |
| <b>Material</b>                  | Flexible Polymer |
| <b>Operating Temperature (C)</b> | -40 to +85       |
| <b>Storage Temperature (C)</b>   | -40 to +85       |
| <b>Substance Compliance</b>      | RoHS             |

### 3. Antenna parameters

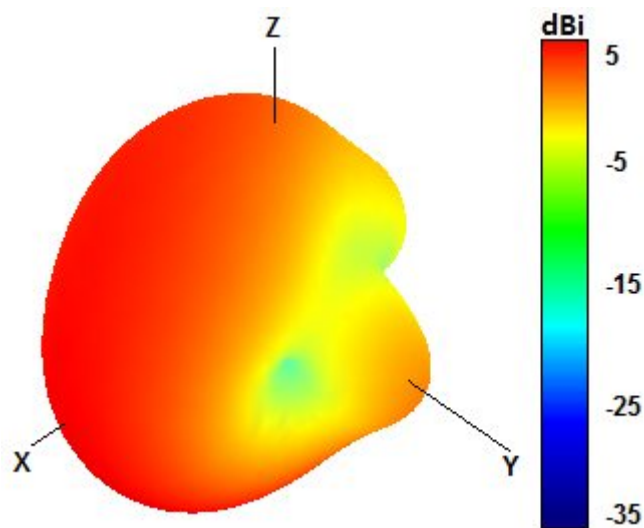






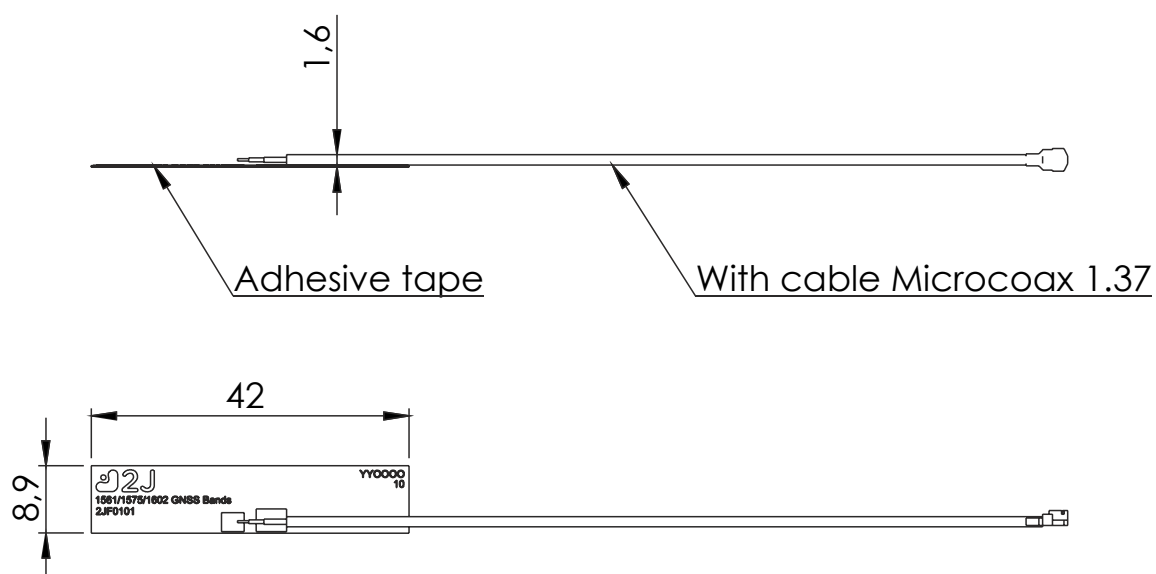


1561 and 1575 MHz Radiation pattern



1602 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

