

## 2JCP2540101Ga

GNSS Ceramic Thru-Hole Mount

### Key Features

GPS/GLONASS/QZSS/Galileo

- 1575-1606 MHz

Thru-Hole Mount

High Gain

Ground Plane Dependent

Dimensions 25 x 25 x 4 mm

Please check our Development Kit

**2JDK0201Ga-A28**



## 1. Antenna and electrical specifications

| Parameters        | GNSS Ceramic Thru-Hole Mount Antenna |           |
|-------------------|--------------------------------------|-----------|
| Standards         | GPS/QZSS/Galileo                     | GLONASS   |
| Bands (MHz)       | 1575                                 | 1602      |
| Frequency (MHz)   | 1575.42                              | 1598-1606 |
| Return Loss (dB)  | ~-21.8                               | ~-15.7    |
| VSWR              | ~1.1:1                               | ~1.4:1    |
| Efficiency (%)    | ~65                                  | ~68       |
| Peak Gain (dBi)   | ~3.6                                 | ~3.9      |
| Average Gain (dB) | ~-1.8                                | ~-1.6     |
| Impedance (Ohms)  | 50                                   |           |
| Radiation Pattern | Hemispherical                        |           |

### Antenna Measurement Conditions:

Free Space

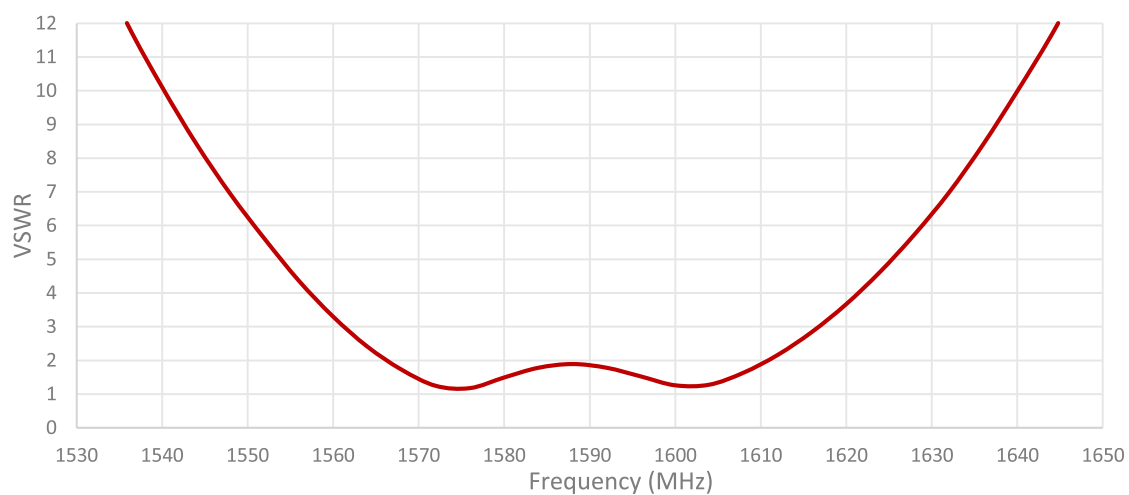
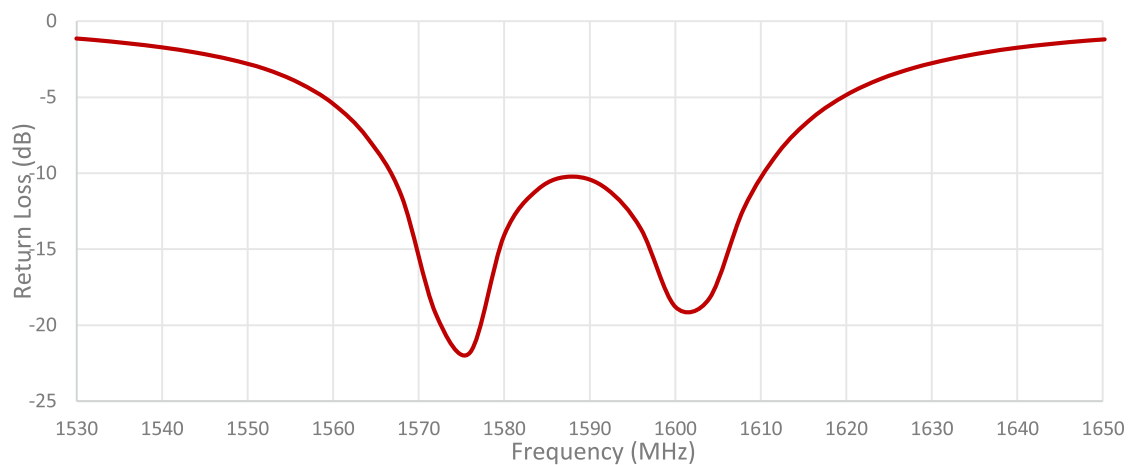
Mounted on Ground Plane of 70 x 70 mm

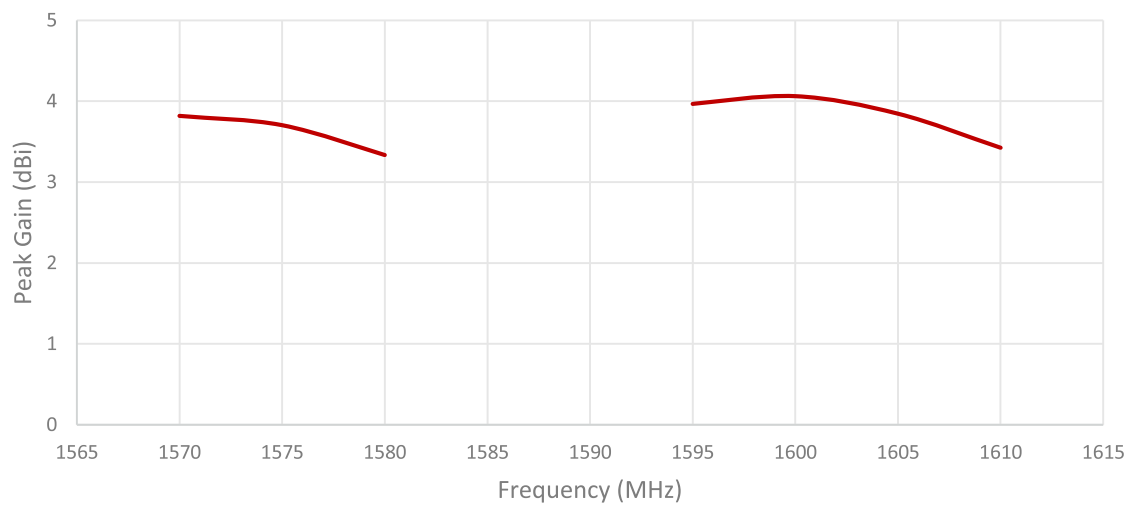
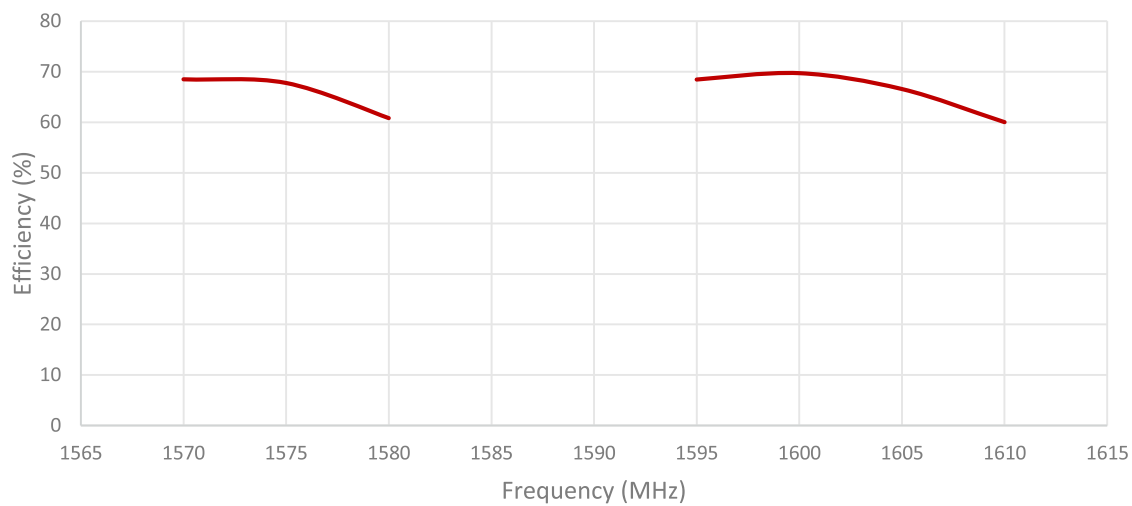
Measured in Certified CTIA 3D Anechoic Chamber

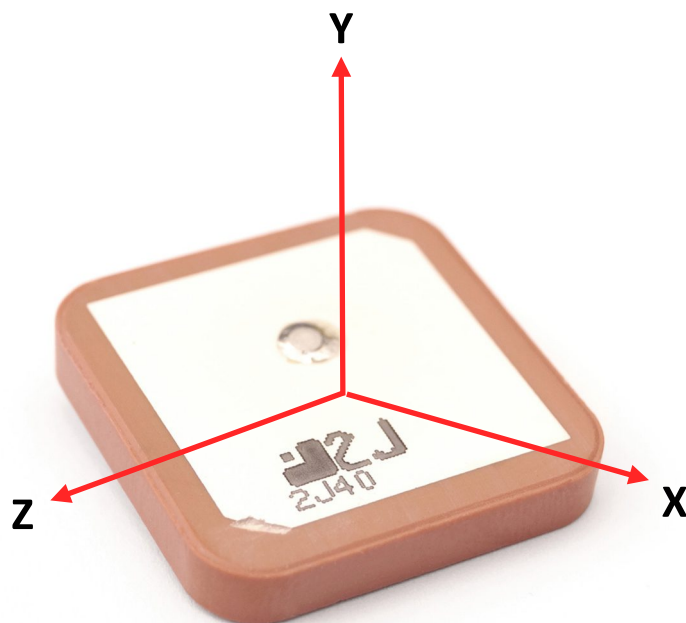
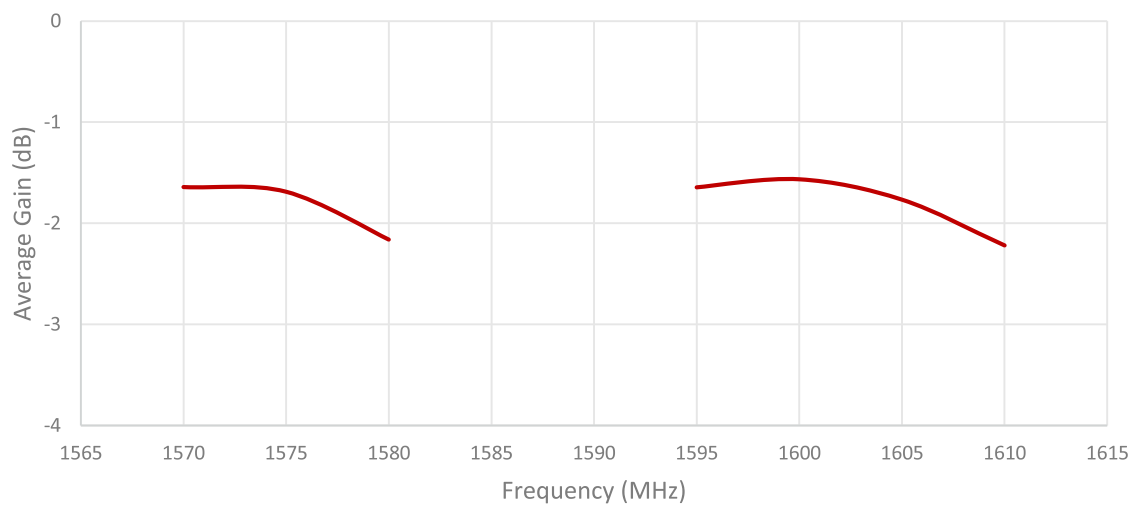
## 2. Mechanical and environmental specifications

| Specifications            | 2JCP2540101Ga   |
|---------------------------|-----------------|
| Mounting Type             | Thru-Hole Mount |
| Dimensions (mm)           | 25 x 25 x 4     |
| Operating Temperature (C) | -40 to +85      |
| Storage Temperature (C)   | -40 to +85      |
| Substance Compliance      | RoHS            |

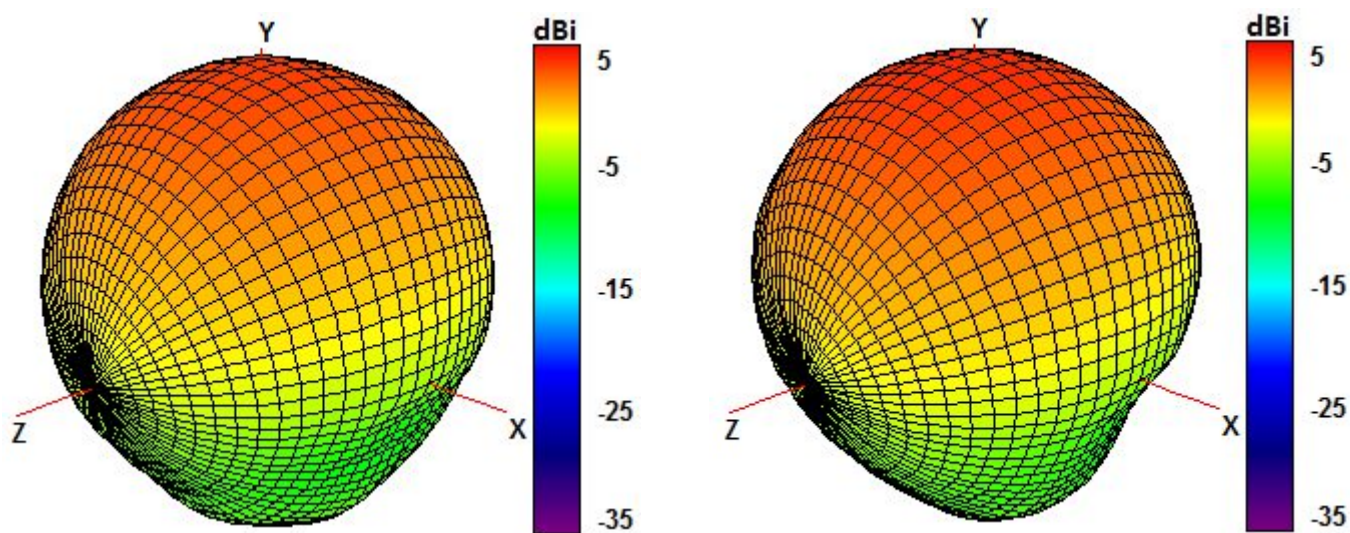
### 3. Antenna parameters





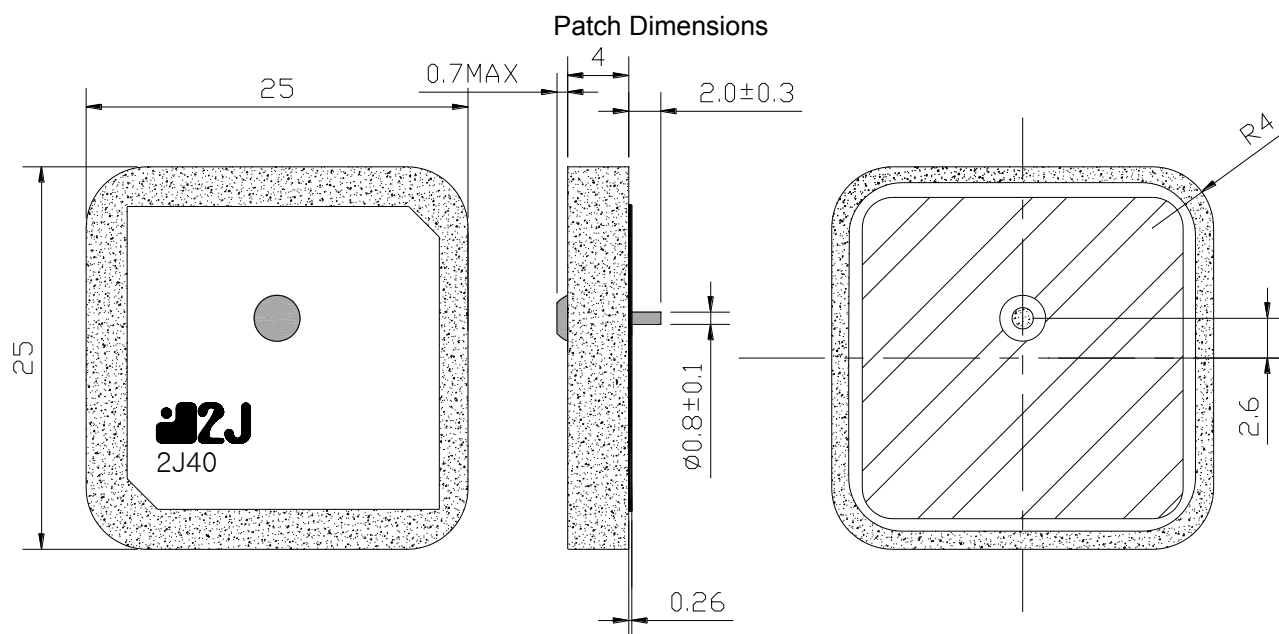


Radiation pattern reference

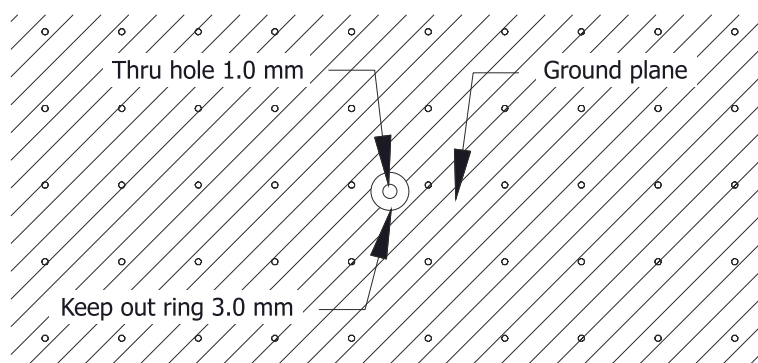


1575 AND 1602 MHz RADIATION PATTERN

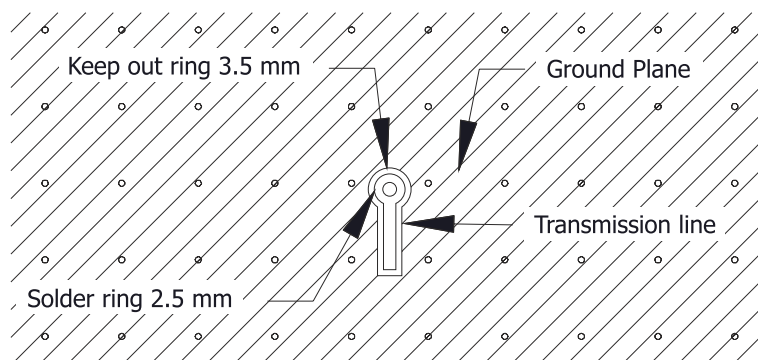
## 4. Antenna drawings



Layout for top layer



Layout for bottom layer



## 5. Antenna Images

