

## 2JCP3640101Ca

GNSS Ceramic Thru-Hole Mount

### Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo  
- 1561-1606 MHz

Thru-Hole Mount

High Gain

Ground Plane Dependent

Dimensions 36 x 36 x 4 mm

Please check our Development Kit

**2JDK0301Ca-C104N**



## 1. Antenna and electrical specifications

Parameters	GNSS Ceramic Thru-Hole Mount 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>	~-13.0	~-15.0	~-19.1
<b>VSWR</b>	~1.6:1	~1.4:1	~1.3:1
<b>Efficiency (%)</b>	~73	~69	~71
<b>Peak Gain (dBi)</b>	~4.0	~3.8	~4.1
<b>Average Gain (dB)</b>	~-1.3	~-1.6	~-1.4
<b>Impedance (Ohms)</b>		50	
<b>Radiation Pattern</b>		Hemispherical	
<b>Polarization</b>		RHCP	

### Antenna Measurement Conditions:

Free Space

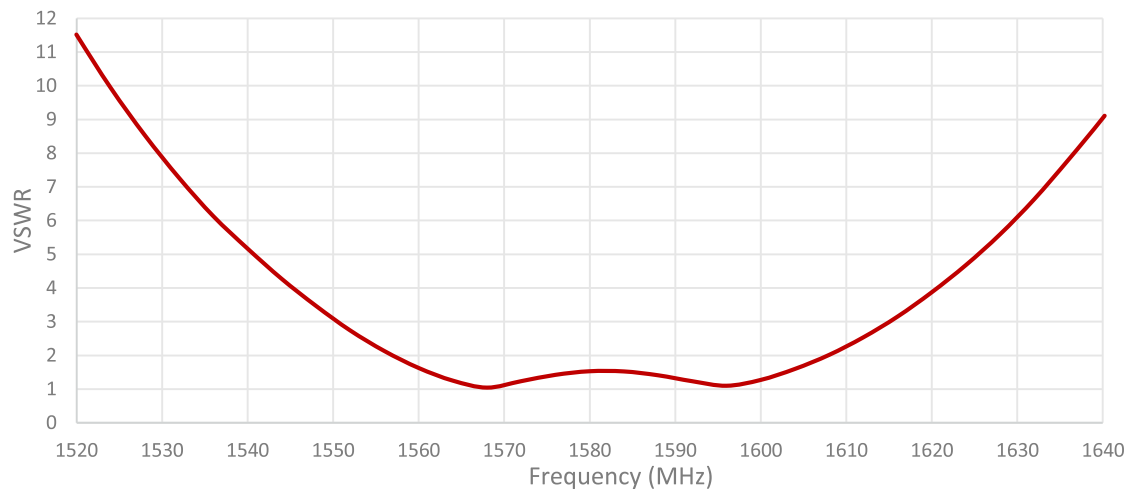
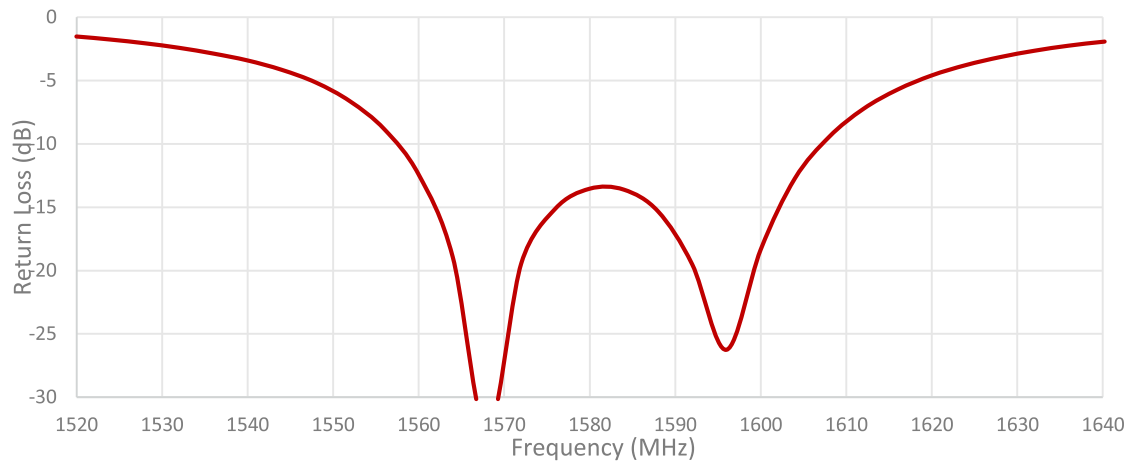
Mounted on Ground Plane of 70 x 70 mm

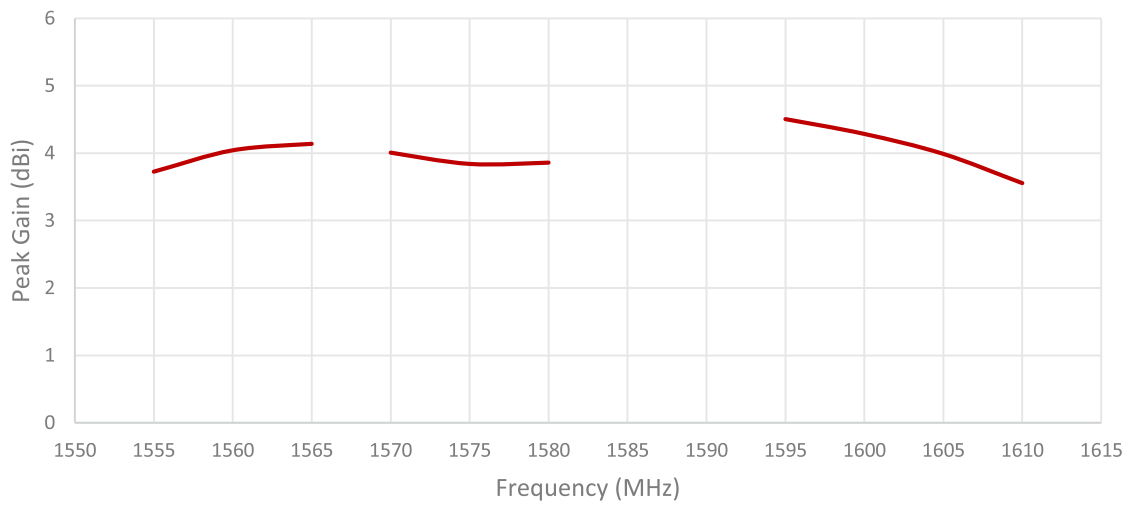
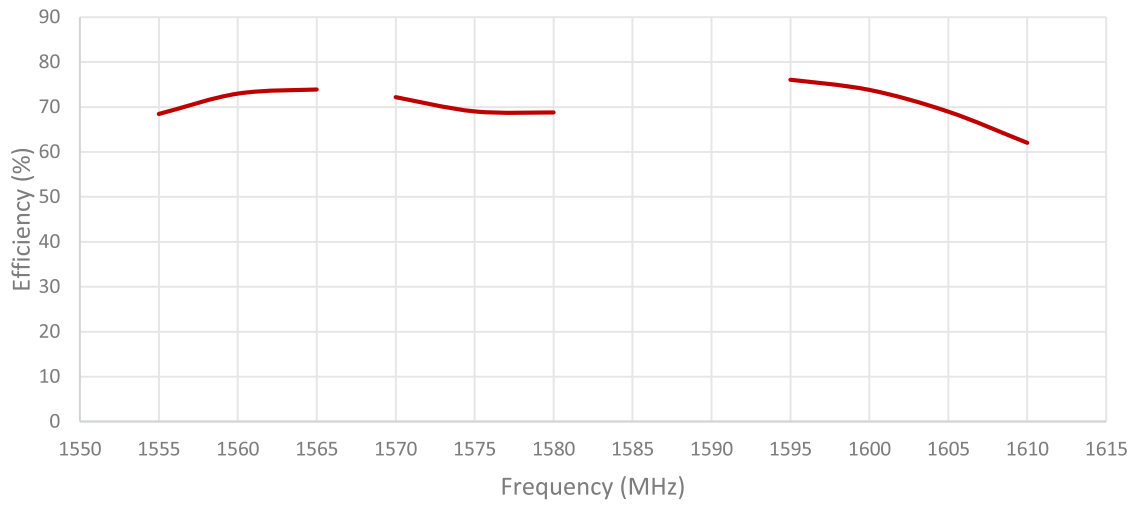
Measured in Certified CTIA 3D Anechoic Chamber

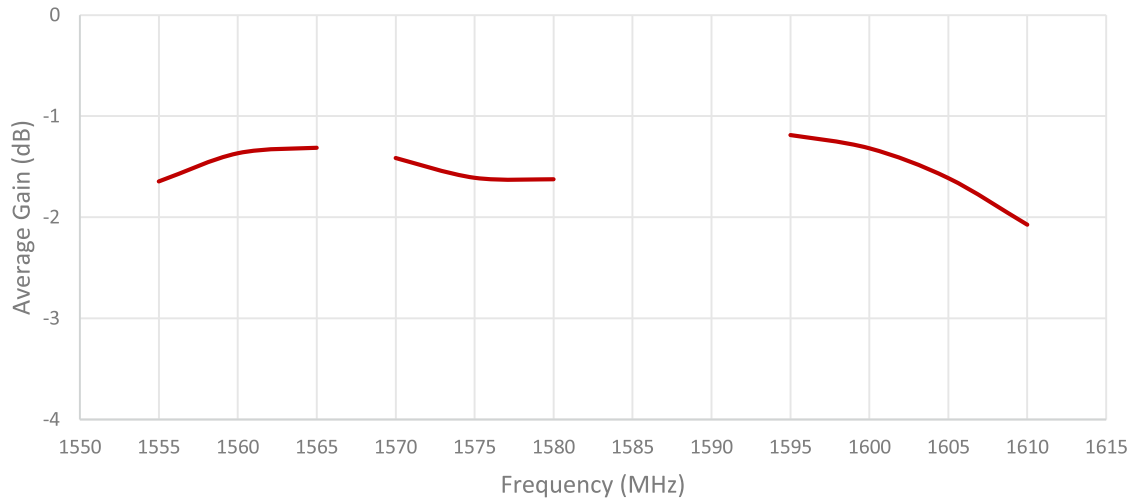
## 2. Mechanical and environmental specifications

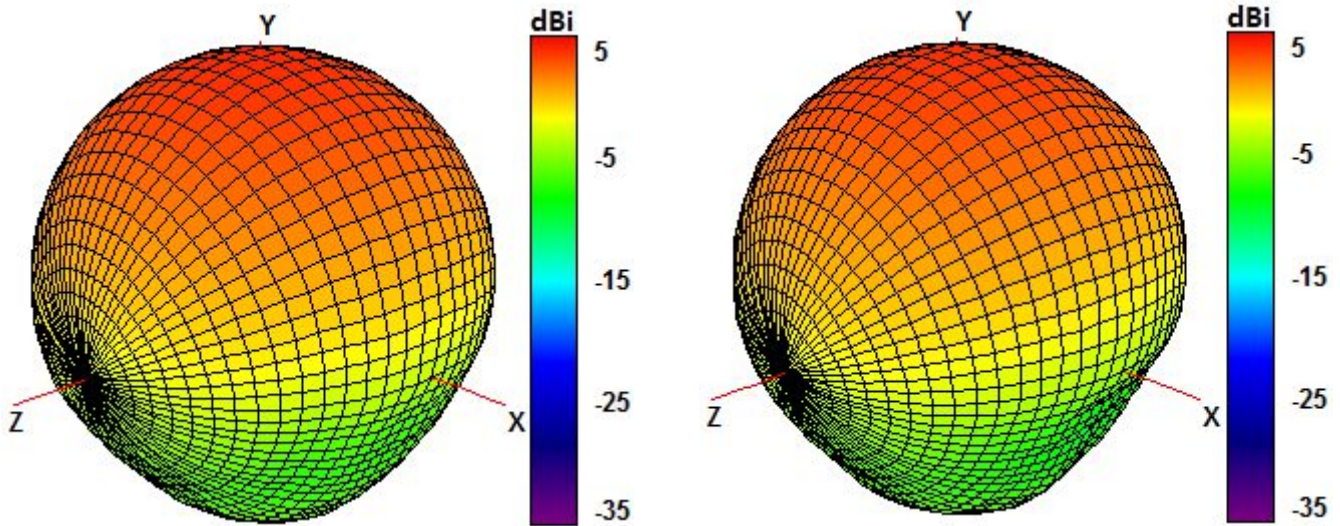
Specifications	2JCP3640101Ca
<b>Mounting Type</b>	Thru-Hole Mount
<b>Adhesive</b>	Nitto 5000NS
<b>Dimensions (mm)</b>	36 x 36 x 4
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

### 3. Antenna parameters

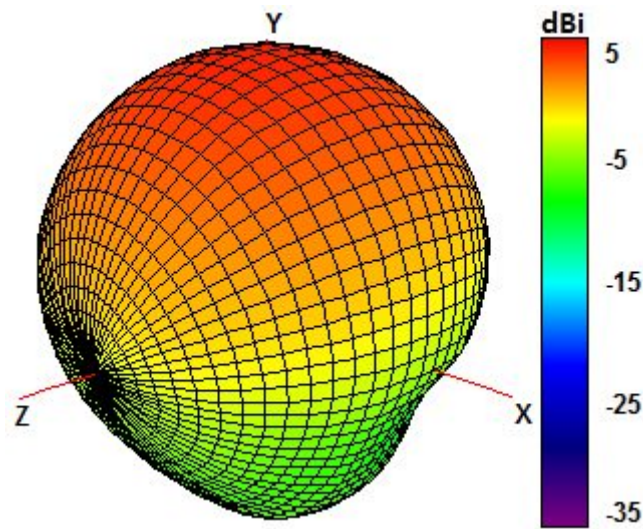






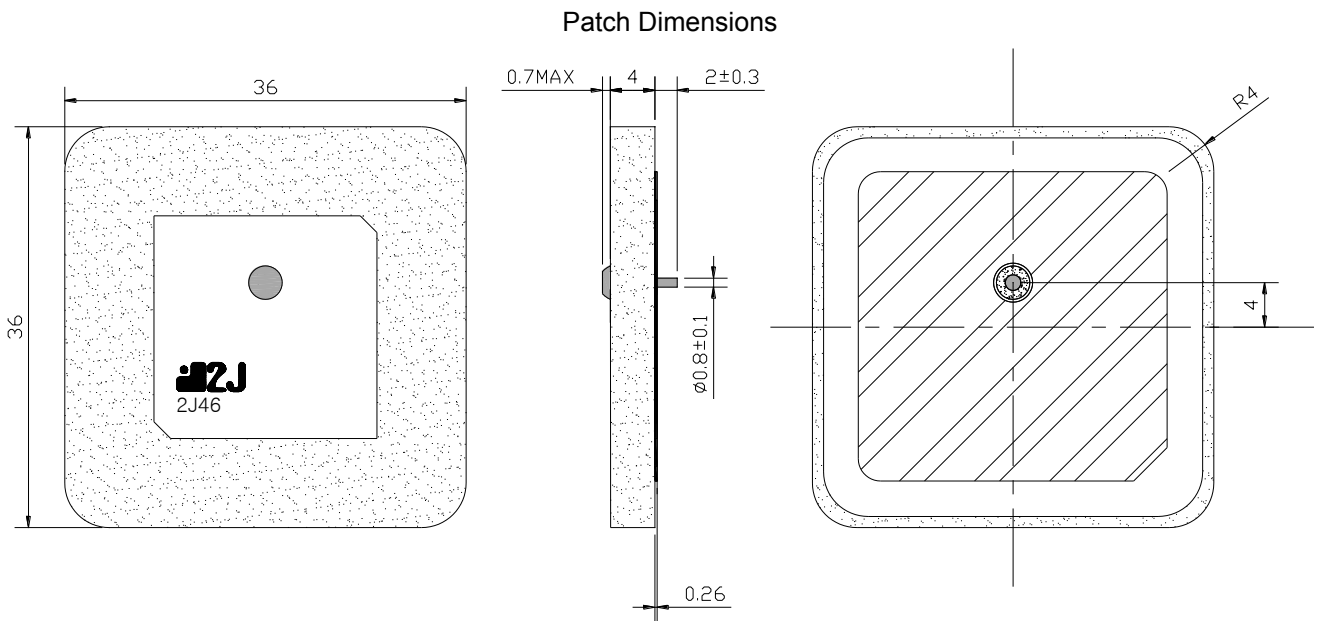


1561 AND 1575 MHz RADIATION PATTERN

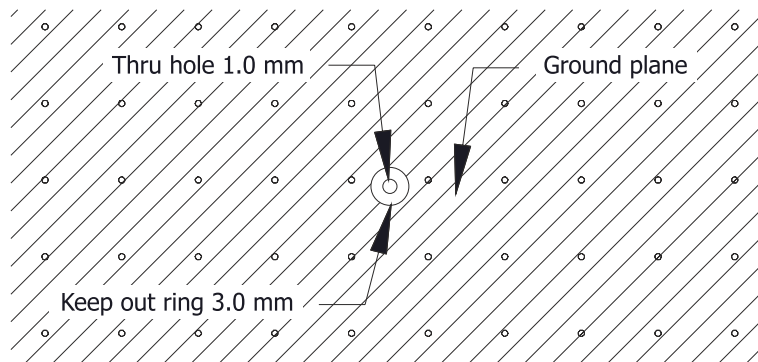


1602 MHz RADIATION PATTERN

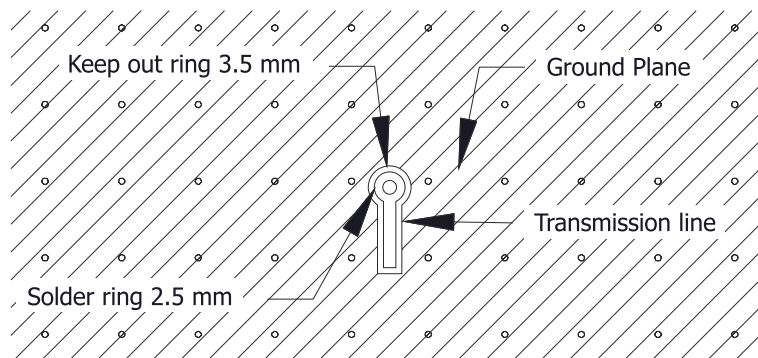
## 4. Antenna drawings



**Layout for top layer**



**Layout for bottom layer**



## 5. Antenna Images

