

## 2JF0301P

GNSS Flexible Polymer

### Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Self-Adhesive

High Performance

Ground Plane Independent

Cable Detuning Resistance

Customizable Cable and Connector

Dimensions 55.4 × 12.4 × 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>	~-15.6	~-16.4	~-21.6
<b>VSWR</b>	~1.4:1	~1.4:1	~1.2:1
<b>Efficiency (%)</b>	~50.2	~51.0	~50.9
<b>Peak Gain (dBi)</b>	~1.7	~1.7	~2.0
<b>Average Gain (dB)</b>	~-3.0	~-2.9	~-2.9
<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

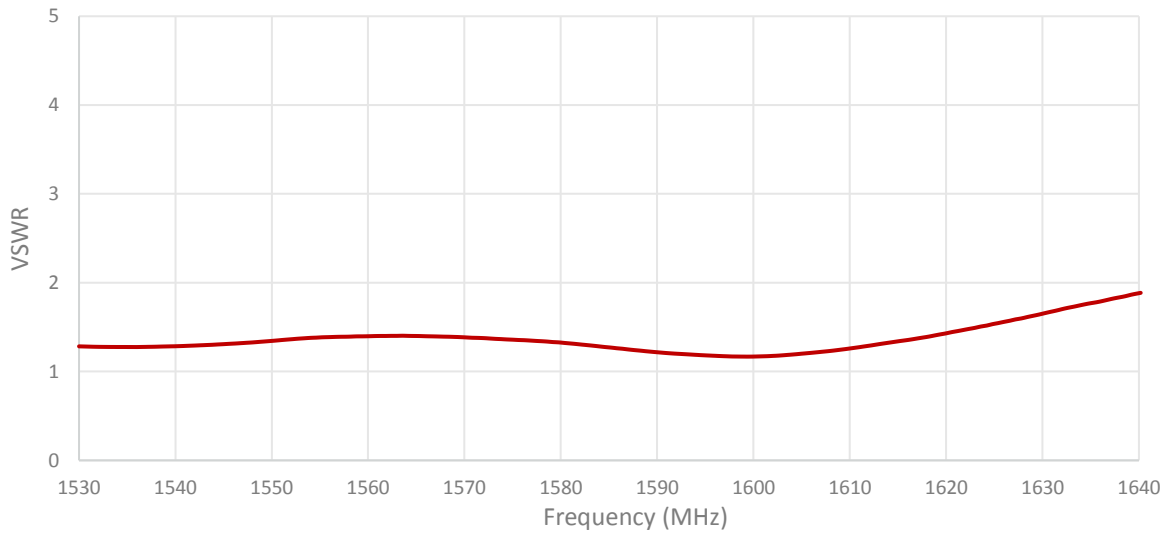
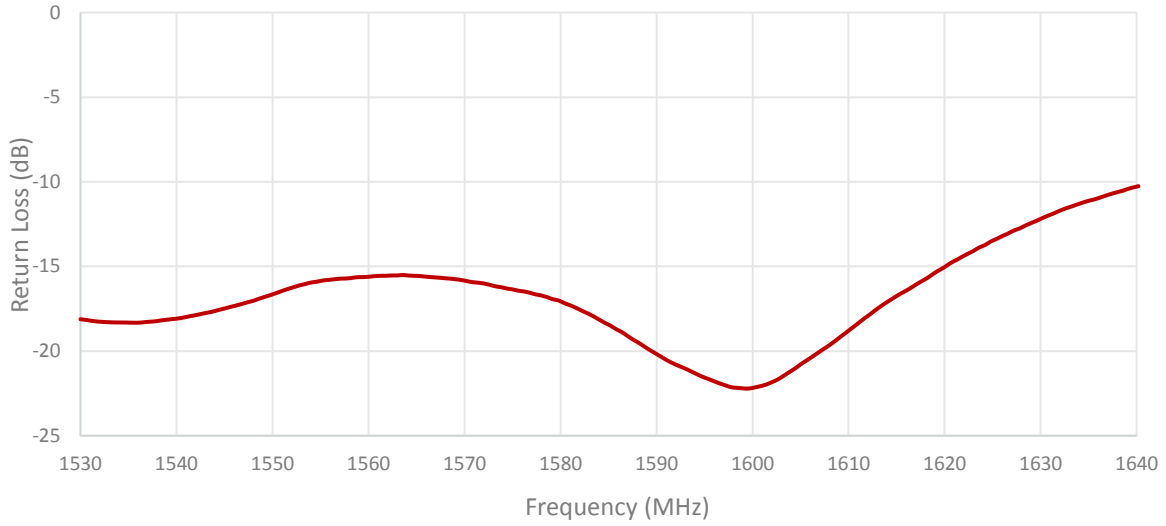
100mm of 1.37mm Mini-Coax Cable

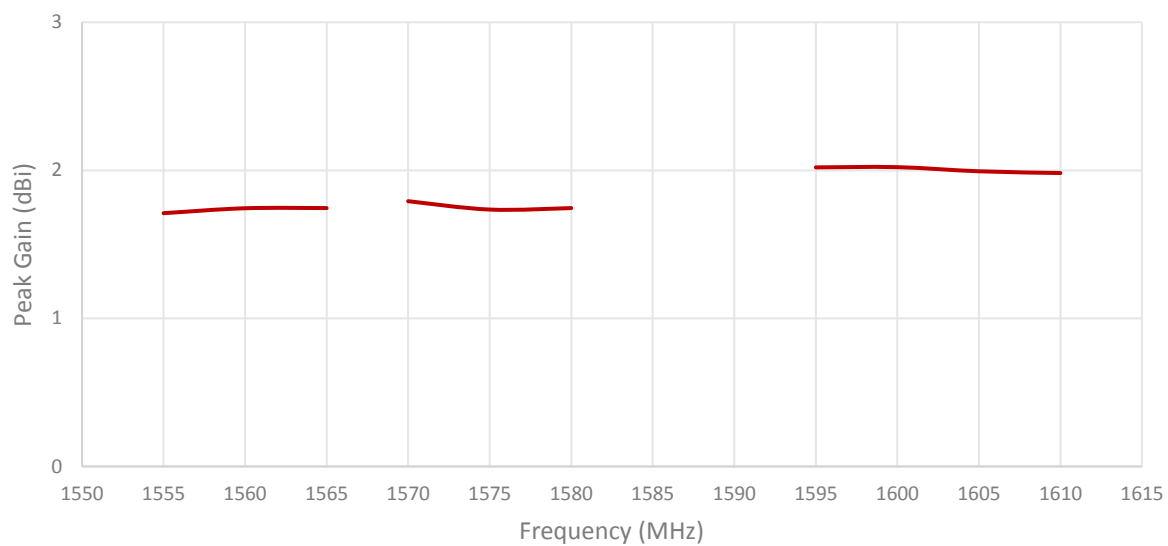
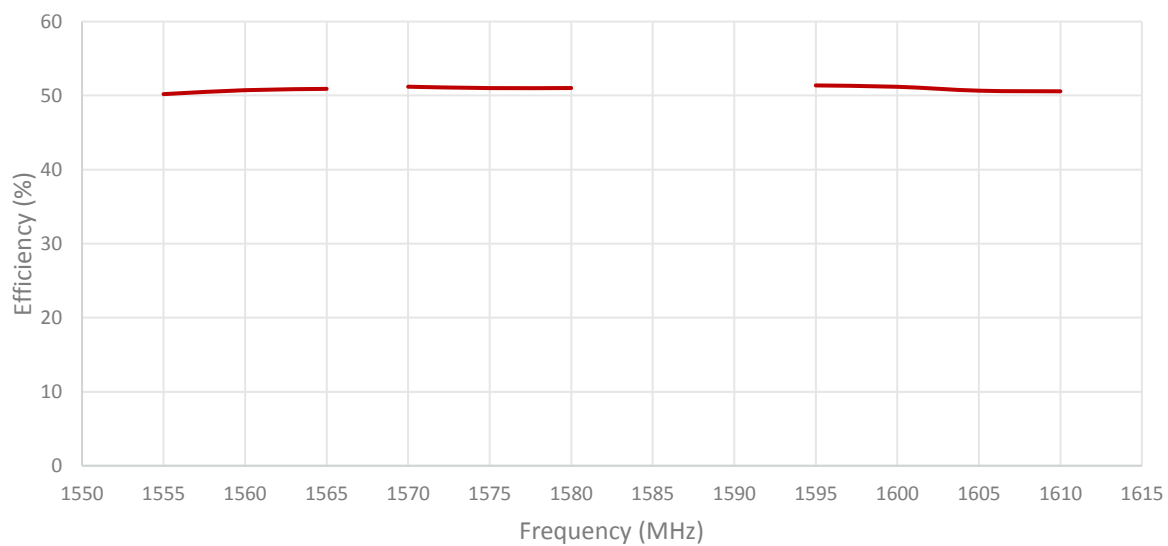
Measured in Certified CTIA 3D Anechoic Chamber

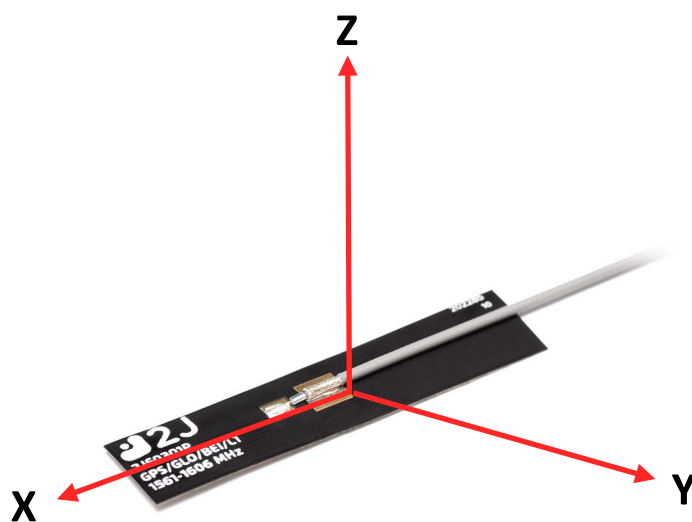
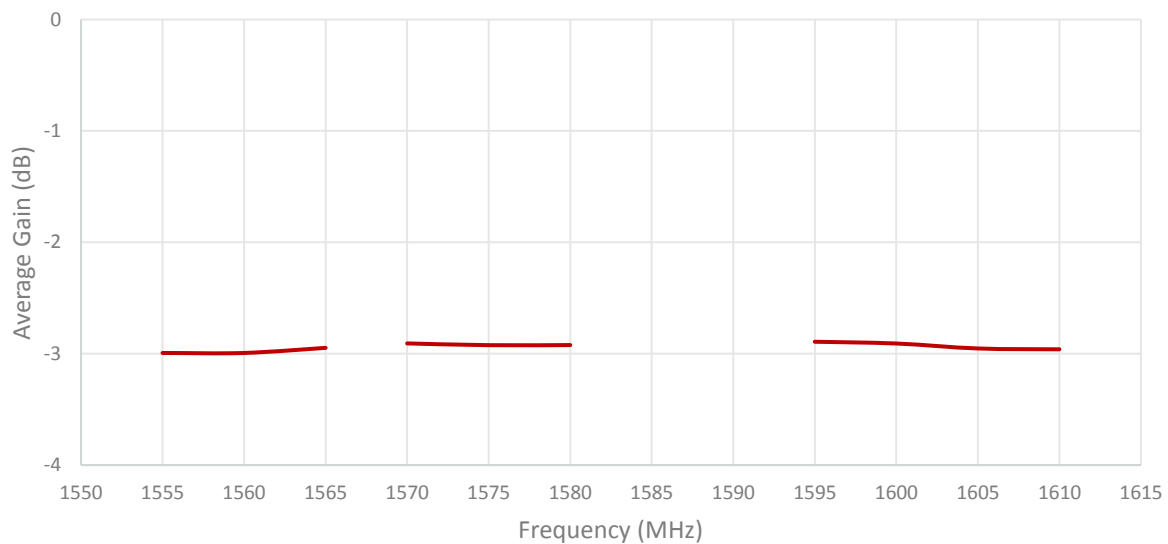
## 2. Mechanical and environmental specifications

Specifications	2JF0301P
<b>Mounting Type</b>	Self-Adhesive
<b>Adhesive</b>	3M 467
<b>Dimensions (mm)</b>	55.4 × 12.4 × 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

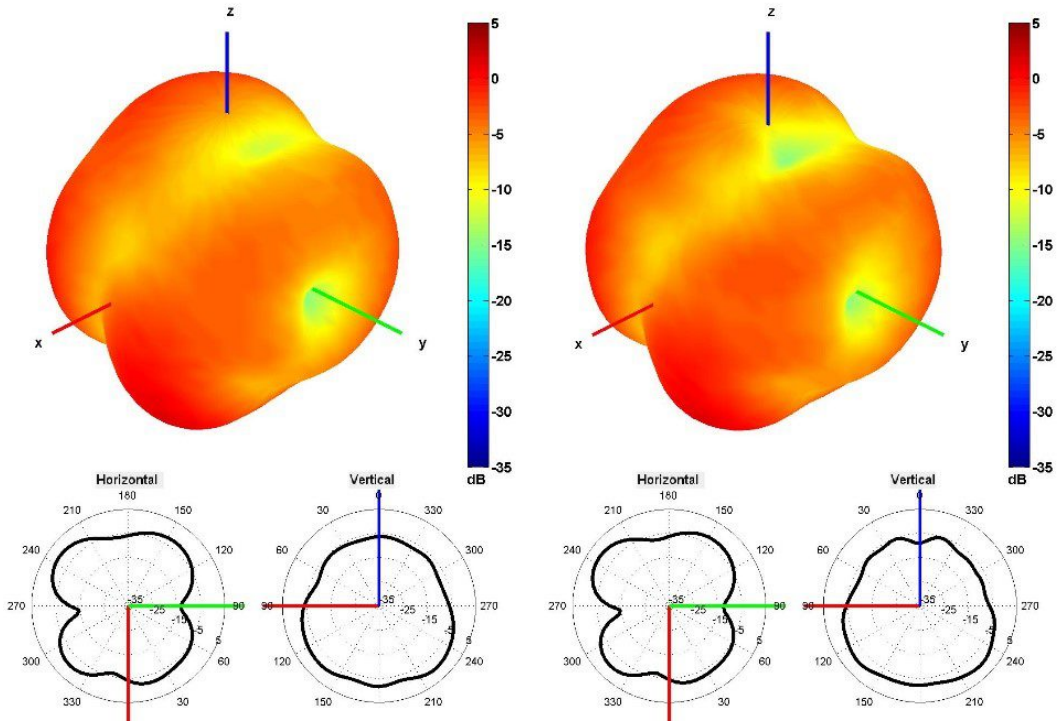
### 3. Antenna parameters



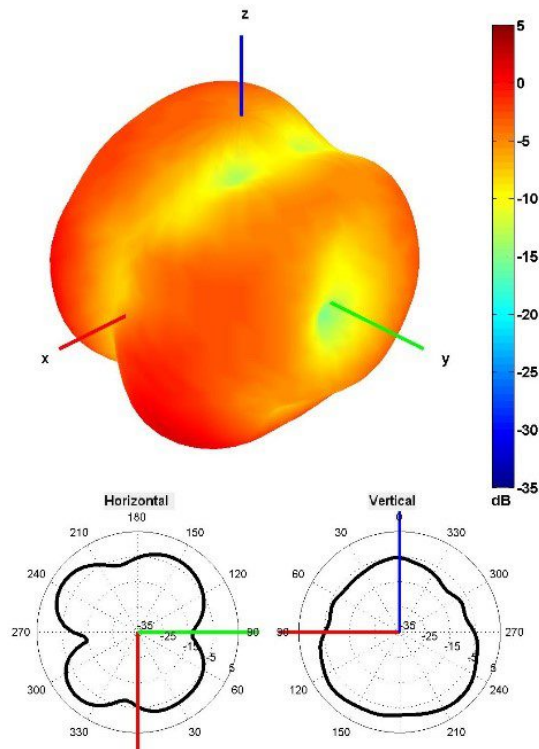




Radiation pattern reference

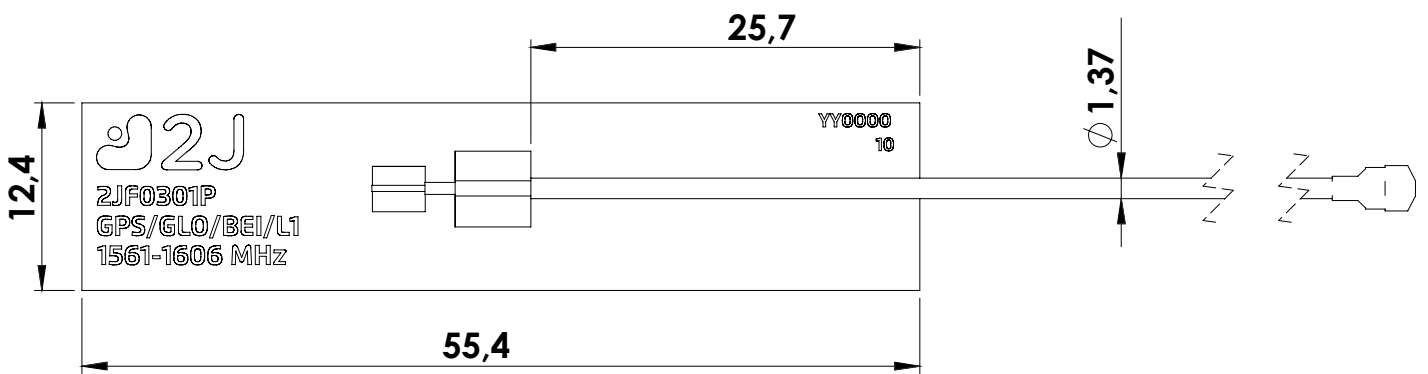
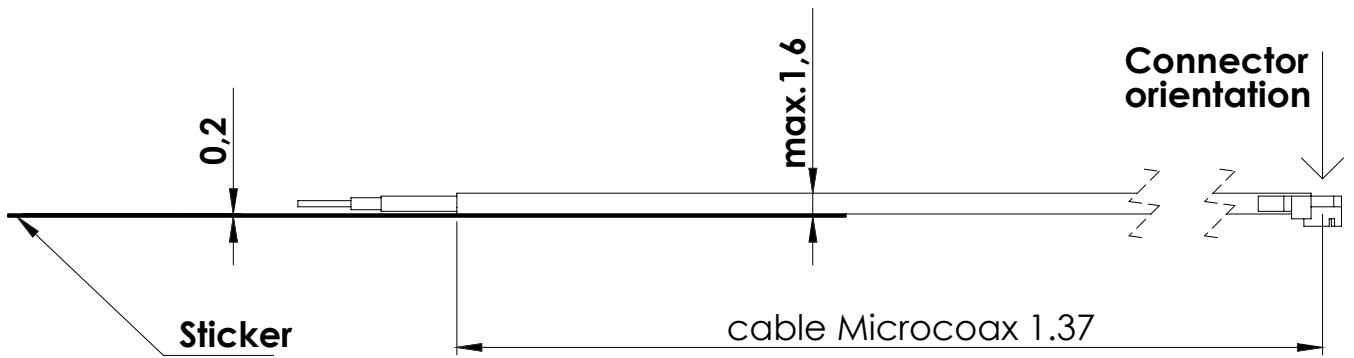


1561 and 1575 MHz Radiation pattern



1602 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

