

# 2J0801Cp-C40G-A38G

GNSS Passive Connector Mount Antenna

## Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Connector Mount

High Performance

Ground Plane Dependent

Dimensions  $\varnothing$  13.2 × 19 × 81.5 mm



## 1. Antenna and electrical specifications

Parameters	GNSS Passive 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>	~-10.9	~-10.2	~-9.2
<b>VSWR</b>	~1.8	~1.9	~2.1
<b>Efficiency (%)</b>	~75.6	~73.1	~74.6
<b>Peak Gain (dBi)</b>	~3.8	~3.6	~3.8
<b>Average Gain (dB)</b>	~-1.2	~-1.4	~-1.3
<b>Impedance (Ohms)</b>	50		
<b>Radiation Pattern</b>	Hemispherical		
<b>Connector Type</b>	SMA Male R/A		

### Antenna Measurement Conditions:

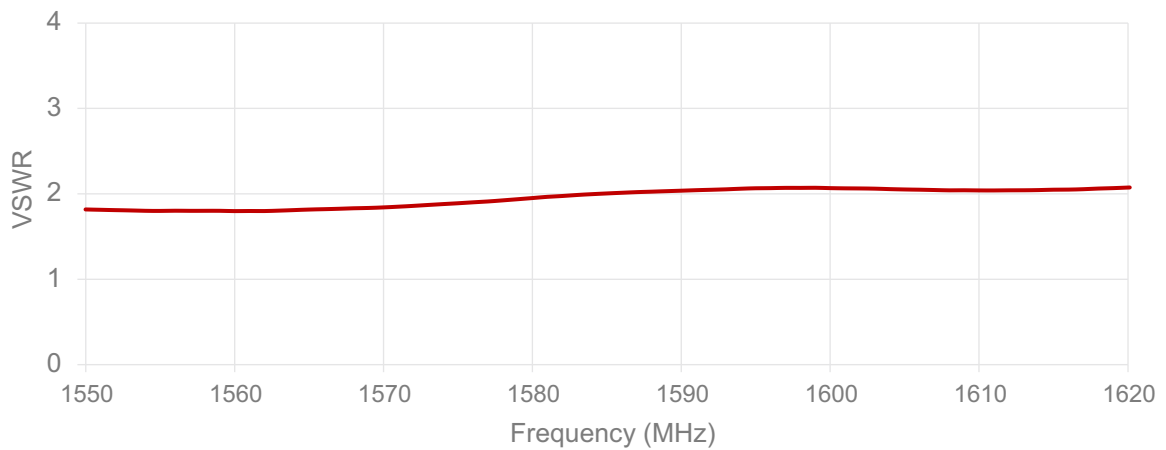
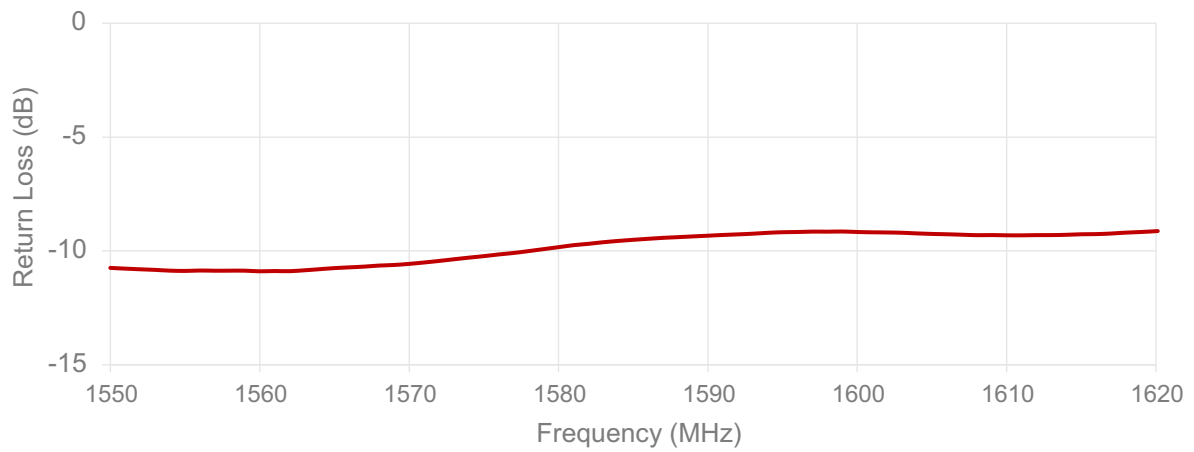
Mounted on Ground Plane of 83.4 x 40.4 mm

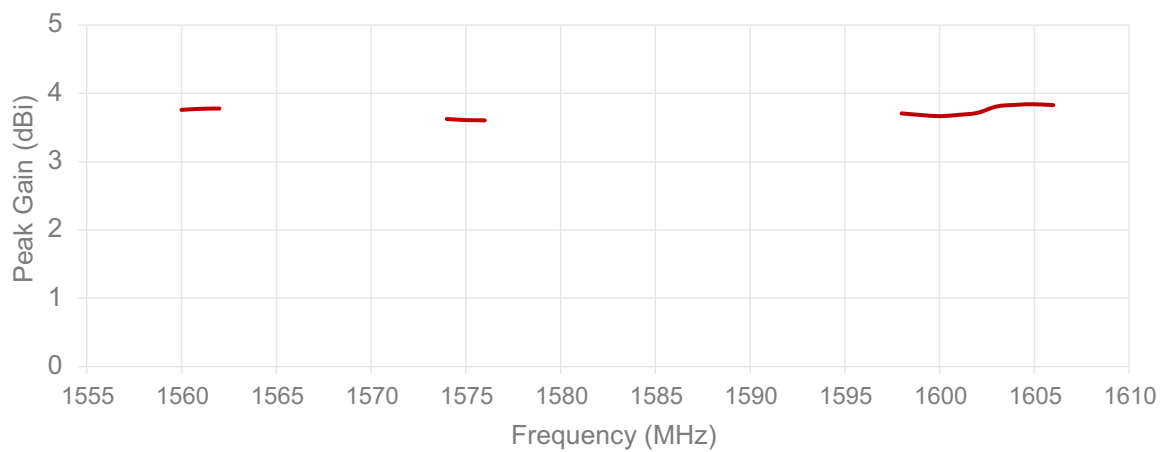
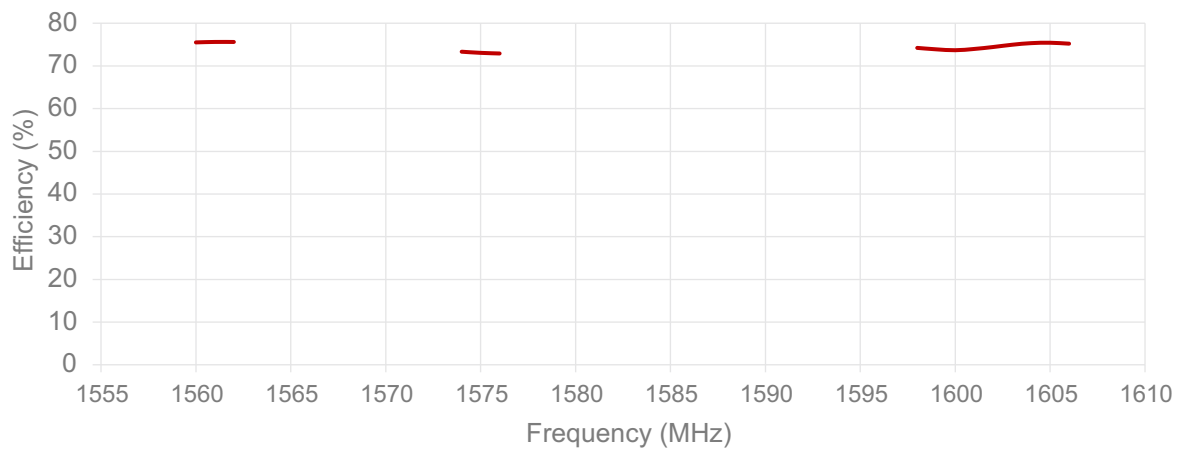
Measured in Certified CTIA 3D Anechoic Chamber

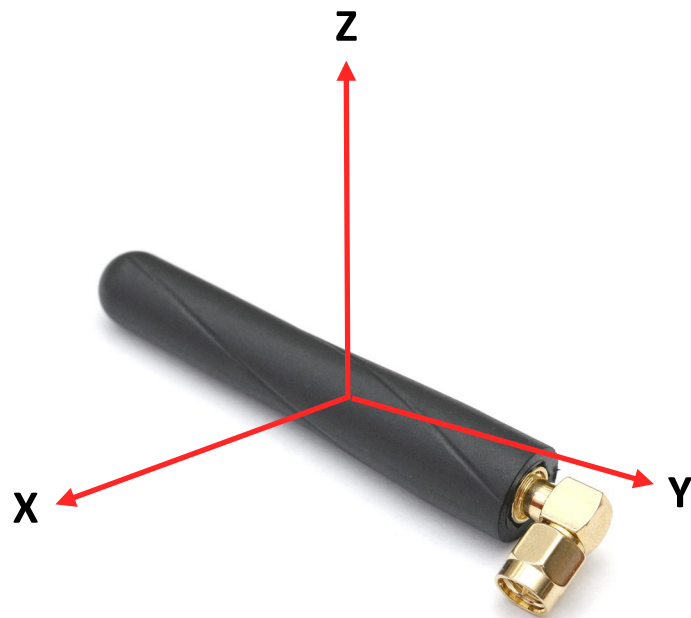
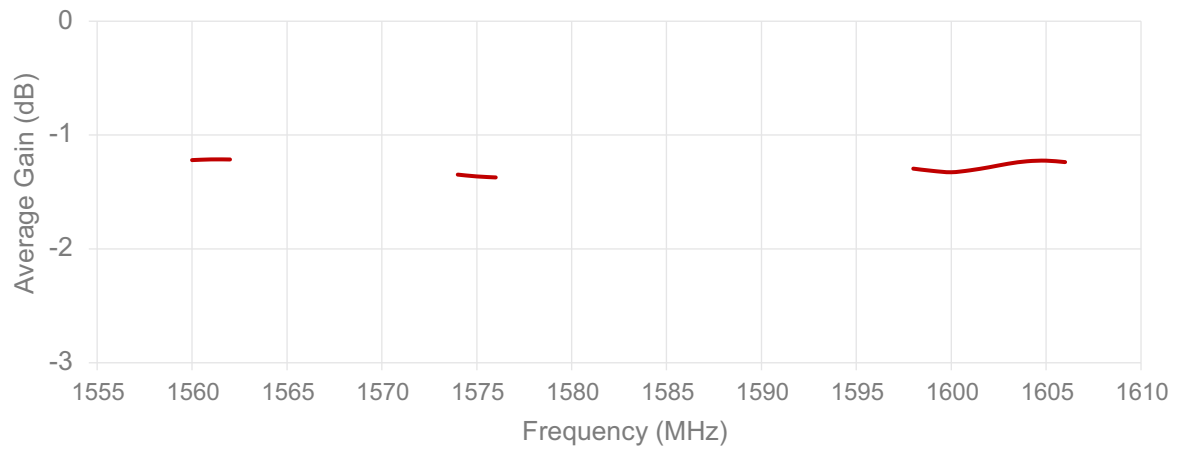
## 2. Mechanical and environmental specifications

Specifications	2J0801Cp-C40G-A38G
<b>Mounting Type</b>	Connector Mount
<b>Dimensions (mm)</b>	Ø 13.2 × 19 × 81.5
<b>Radome</b>	TPE UV Stable
<b>Radome color</b>	Black
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

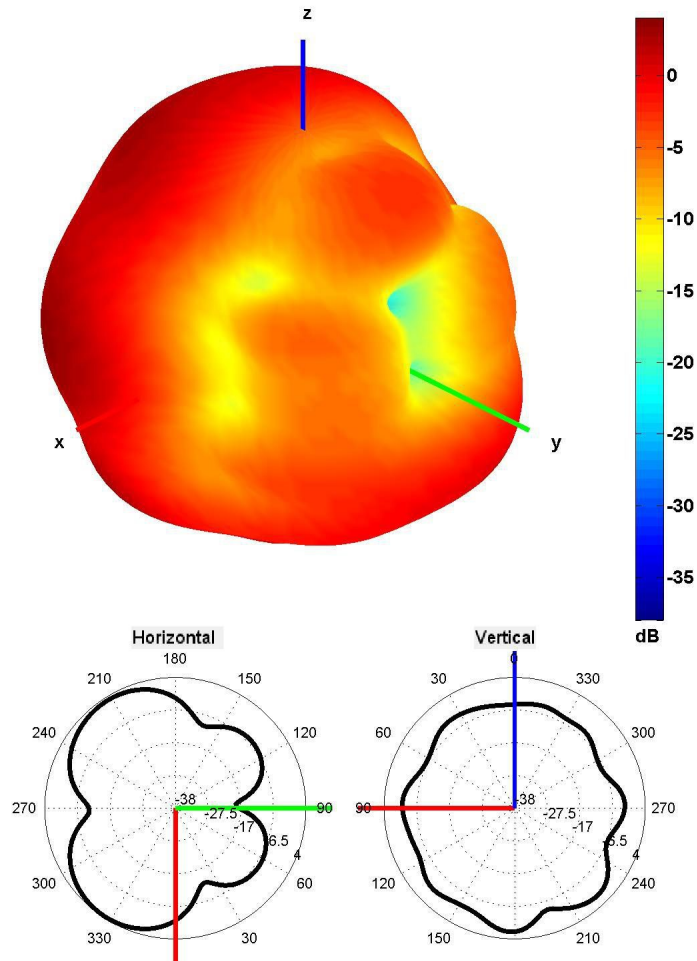
## 3. Antenna parameters



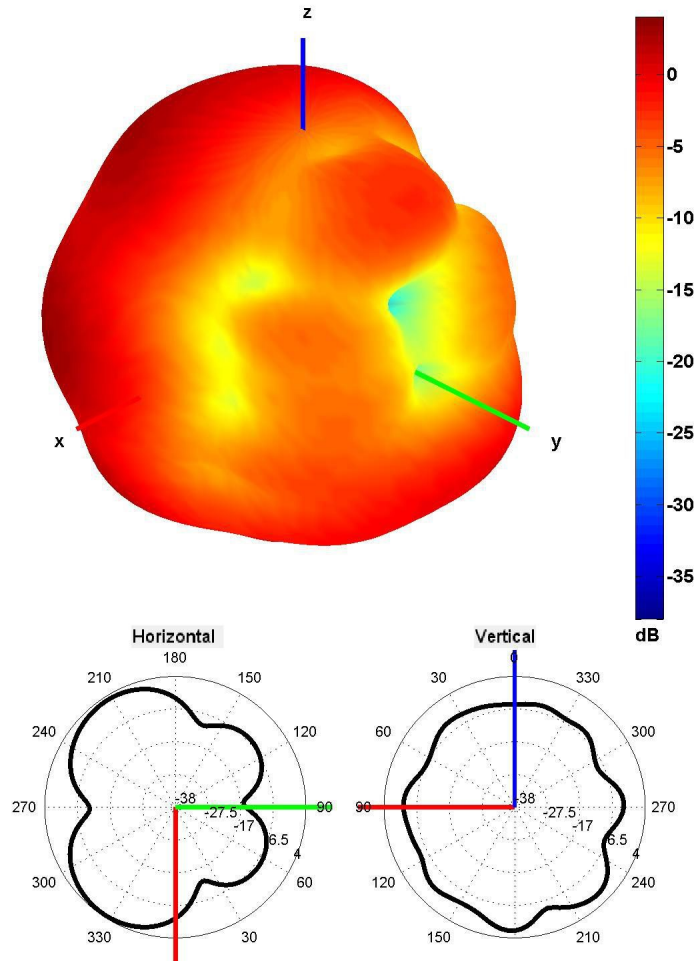




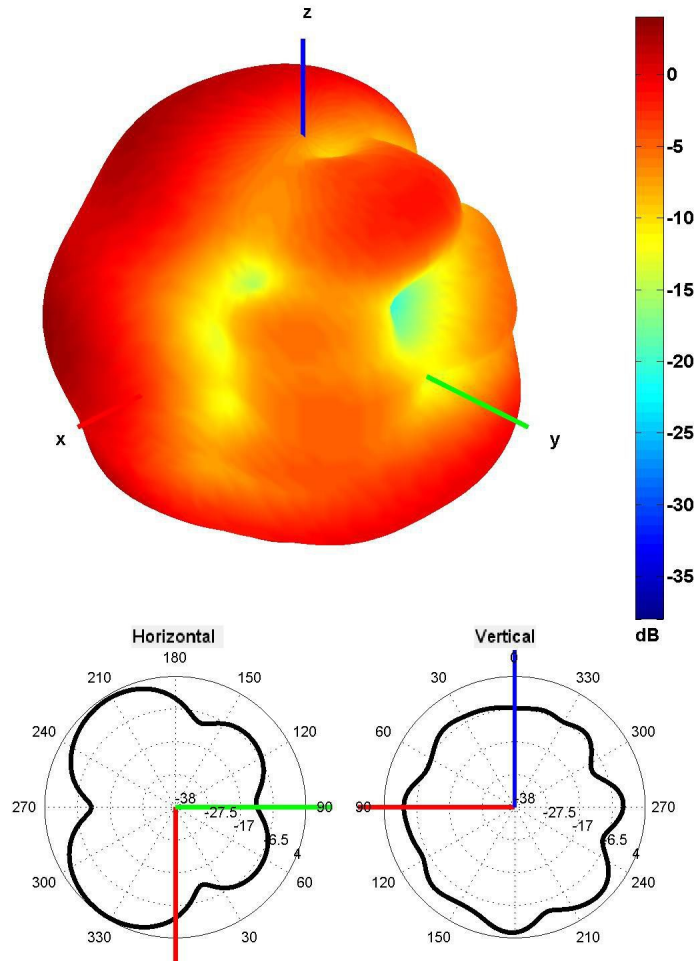
Radiation pattern reference



1561 MHz Radiation pattern

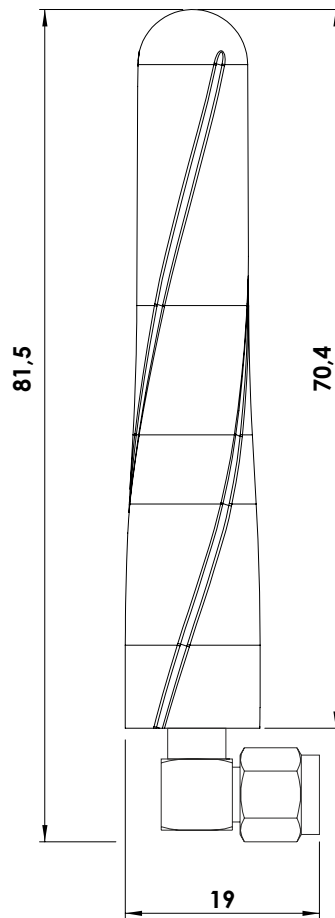


1575 MHz Radiation pattern



1602 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

