

2J0801Cp-C40G

GNSS Passive Connector Mount Antenna

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Connector Mount

High Performance

Ground Plane Dependent

Dimensions Ø 15.7 × 73 mm

Certificates: IPX7



1. Antenna and electrical specifications

Parameters	GNSS Passive Antenna		
	BeiDou	GPS/QZSS/Galileo	GLONASS
Standards			
Bands (MHZ)	1561	1575	1602
Frequency (MHZ)	1561.098	1575.42	1598-1606
Return Loss (dB)	~-10.9	~-10.2	~-9.2
VSWR	~1.8	~1.9	~2.1
Efficiency (%)	~75.6	~73.1	~74.6
Peak Gain (dBi)	~3.8	~3.6	~3.8
Average Gain (dB)	~-1.2	~-1.4	~-1.3
Impedance (Ohms)	50		
Radiation Pattern	Hemispherical		
Connector Type	SMA Male		

Antenna Measurement Conditions:

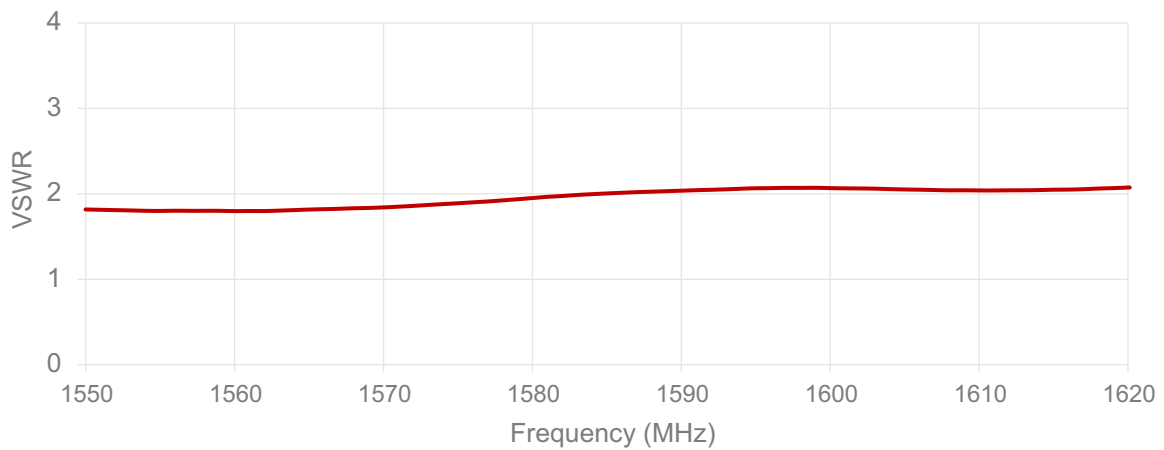
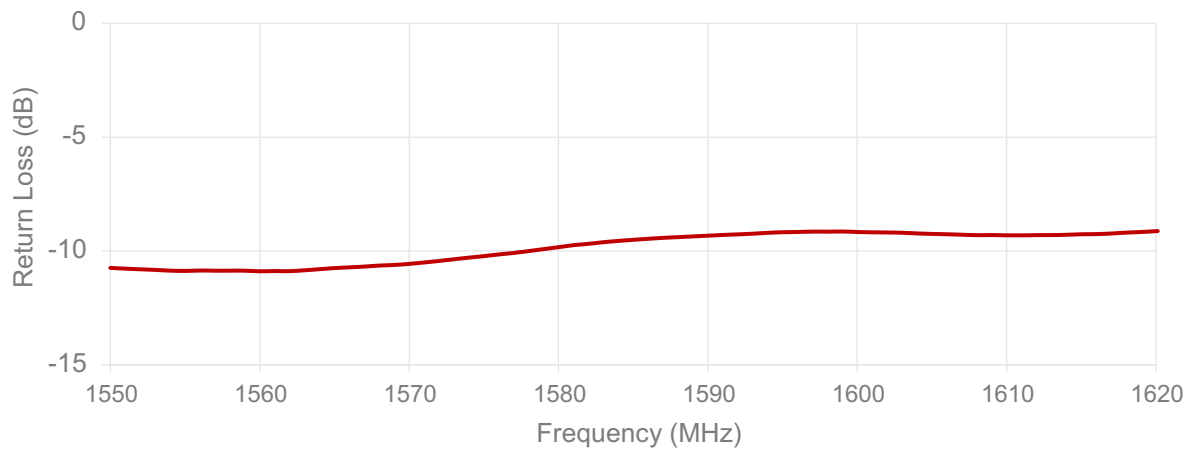
Mounted on Ground Plane of 83.4 x 40.4 mm

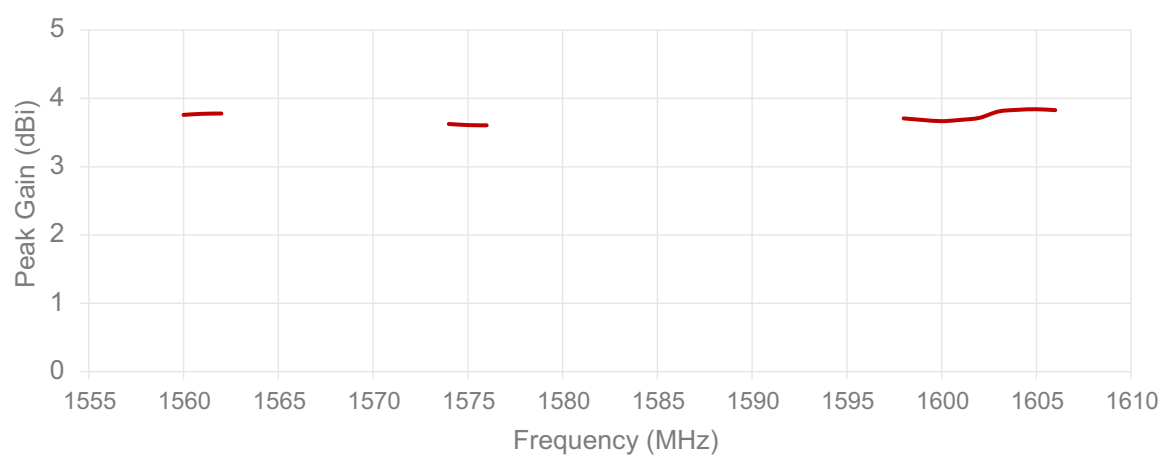
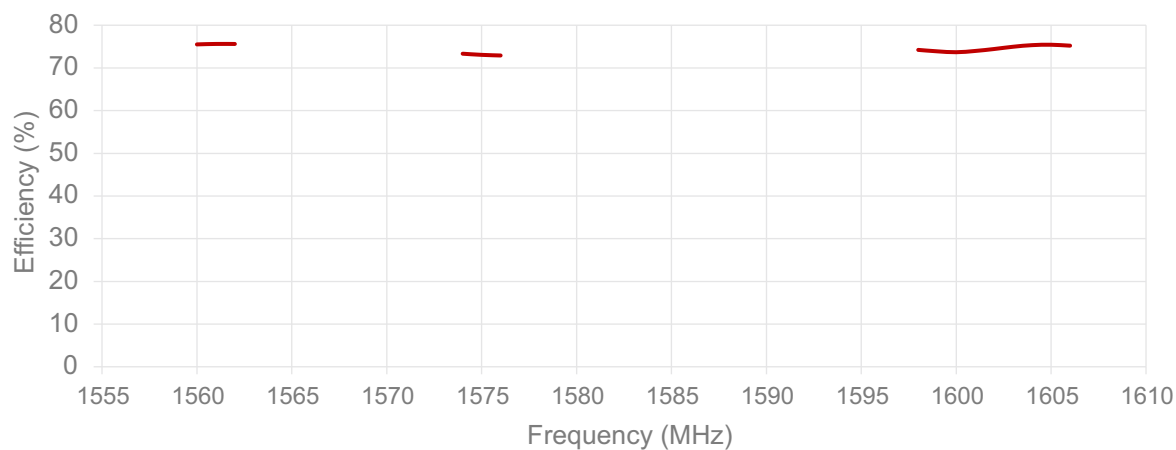
Measured in Certified CTIA 3D Anechoic Chamber

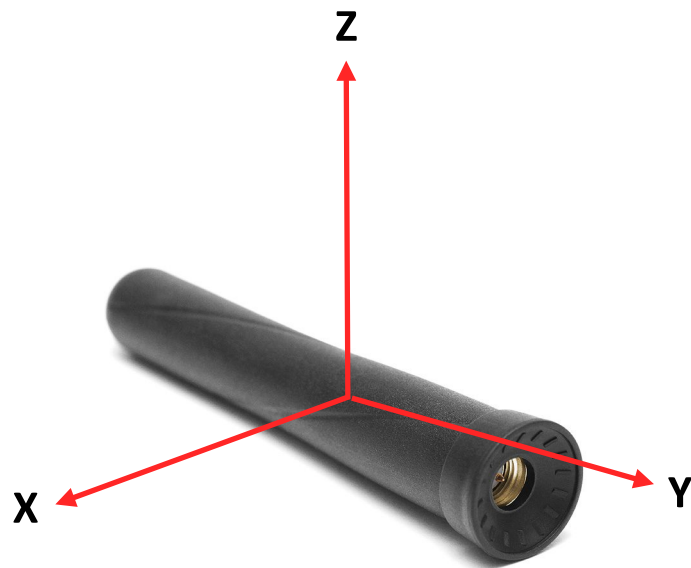
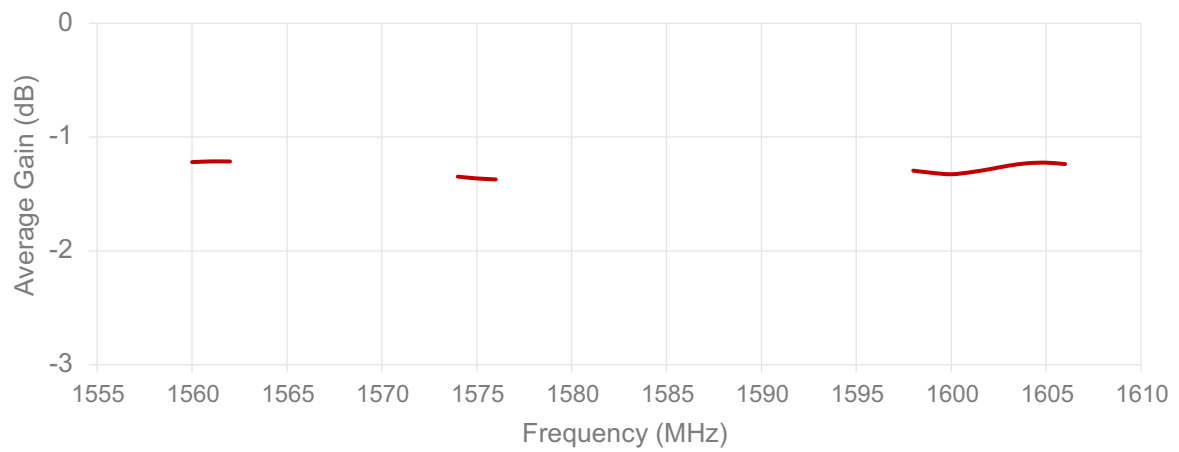
2. Mechanical and environmental specifications

Specifications	2J0801Cp-C40G
Mounting Type	Connector Mount
Dimensions (mm)	Ø 15.7 ×73
Radome	TPE UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IPX7

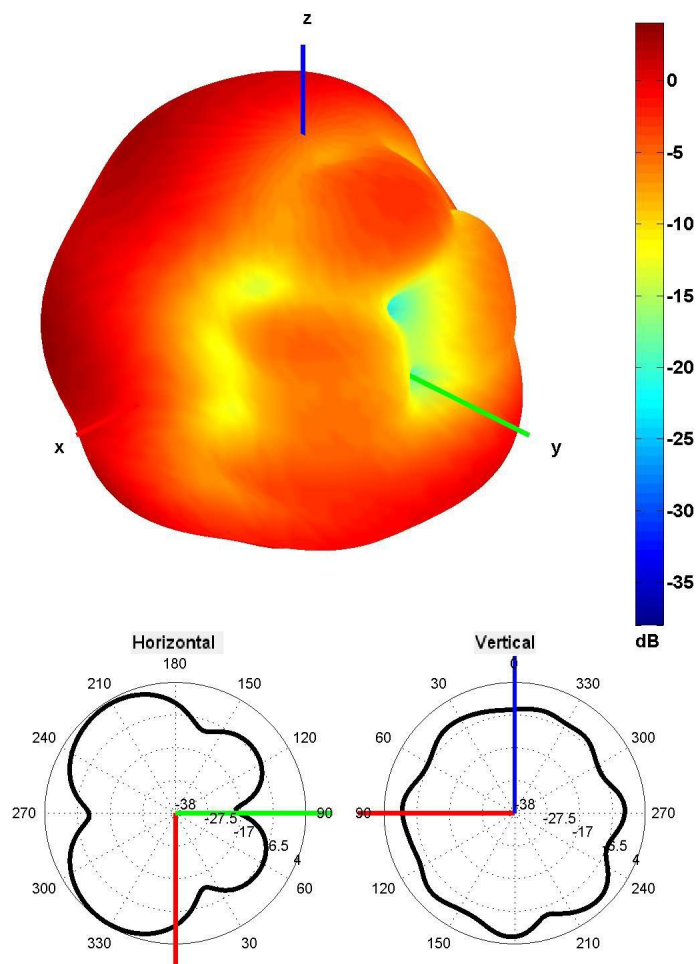
3. Antenna parameters



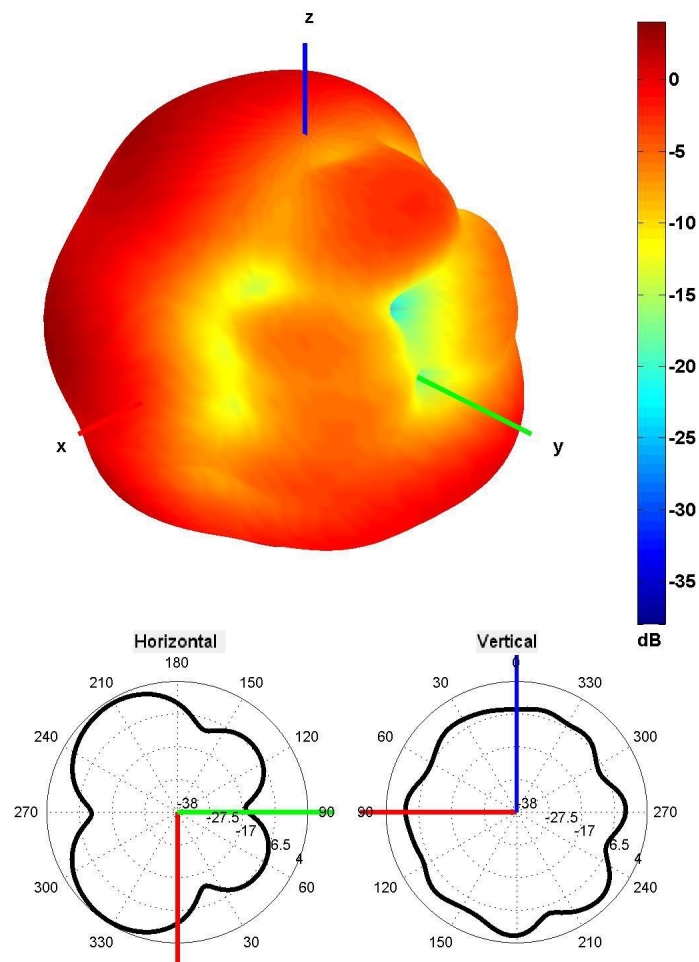




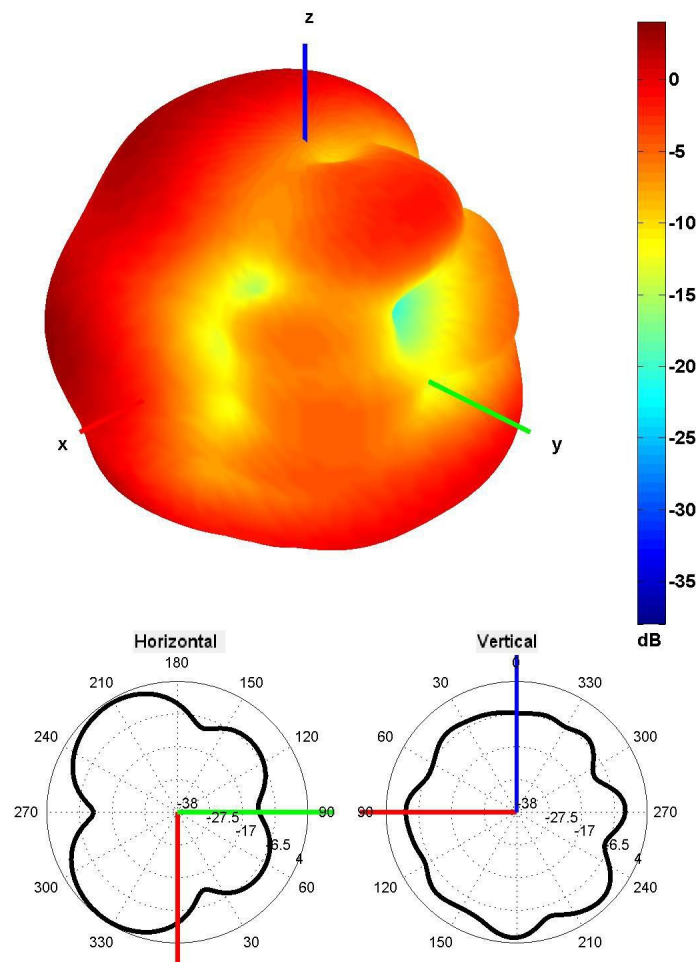
Radiation pattern reference



1561 MHz Radiation pattern

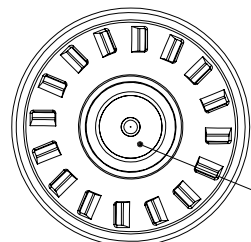


1575 MHz Radiation pattern

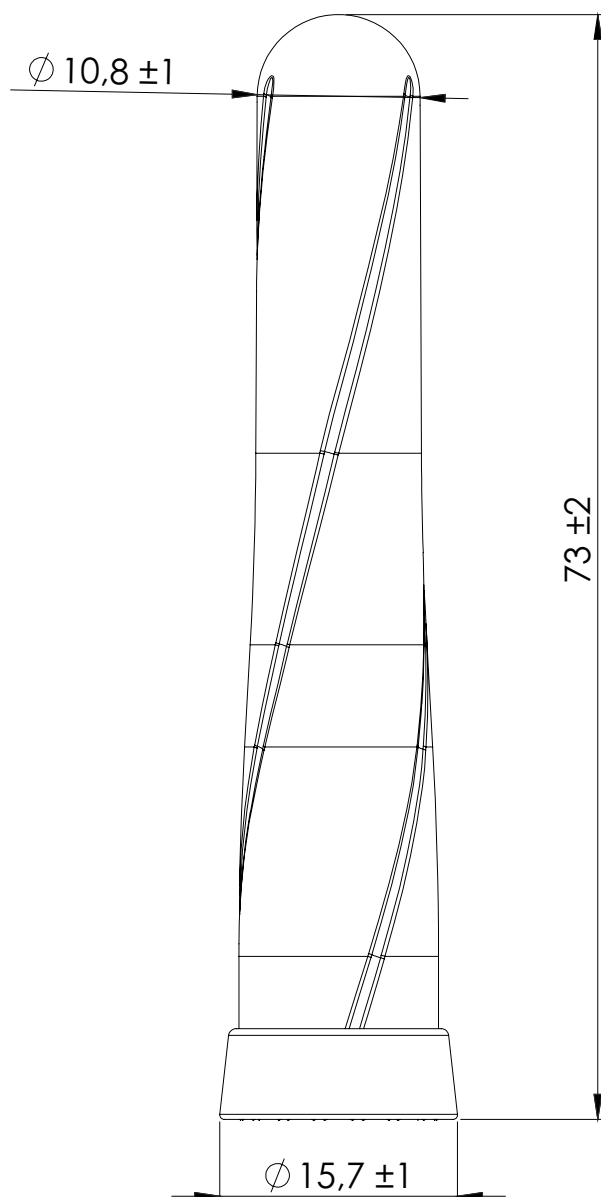


1602 MHz Radiation pattern

4. Antenna drawings



SMA Male Gold connector



5. Antenna Images

