

2J0801CF-C40G

GNSS Active Connector Mount Antenna

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Connector Mount

28 dB Gain

Pre-Filter

Low Noise Figure

Low Power Consumption

Ground Plane Dependent

Dimensions Ø 15.7 × 73 mm

Certificates: IPX7



1. Antenna and electrical specifications

Parameters	GNSS Ceramic Active Antenna		
Standards	BeiDou	GPS/QZSS/Galileo	GLONASS
Bands (MHz)	1561	1575	1602
Frequency (MHz)	1561.098	1575.42	1598-1606
Passive Gain (dBi)	~3.5	~3.4	~3.2
Impedance (Ohms)	50		
Radiation Pattern	Hemispherical		
Voltage Range (V)	1.5 - 3.6		
Active Gain (dB)	28 @ 2.7 V		
Noise Figure (dB)	1.8 @ 2.7 V		
Current Consumption (mA)	9 @ 2.7 V		
Power Consumption (mW)	24.3 @ 2.7 V		
Saw Filter Type	Pre-Filter		
Out of Band Rejection (dB)	~43		
ESD Protection (kV)	6		
Connector Type	SMA Male		

Antenna Measurement Conditions:

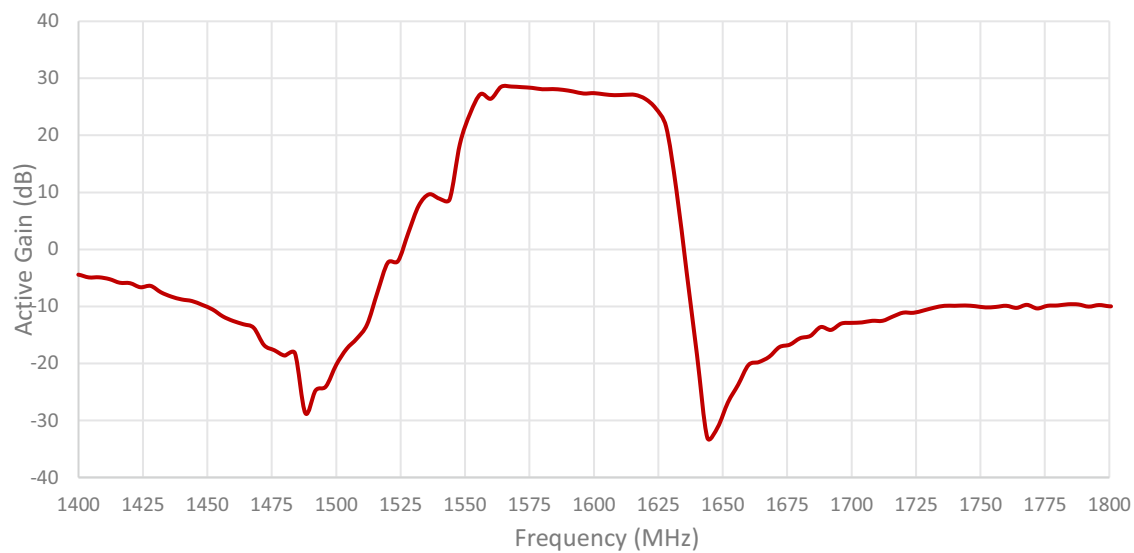
Mounted on Ground Plane of 83.4 x 40.4 mm

Measured in Certified CTIA 3D Anechoic Chamber

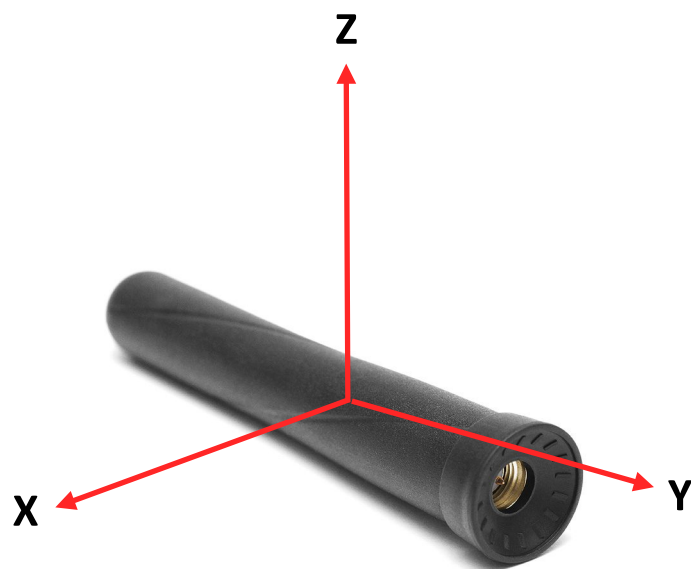
2. Mechanical and environmental specifications

Specifications	2J0801CF-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

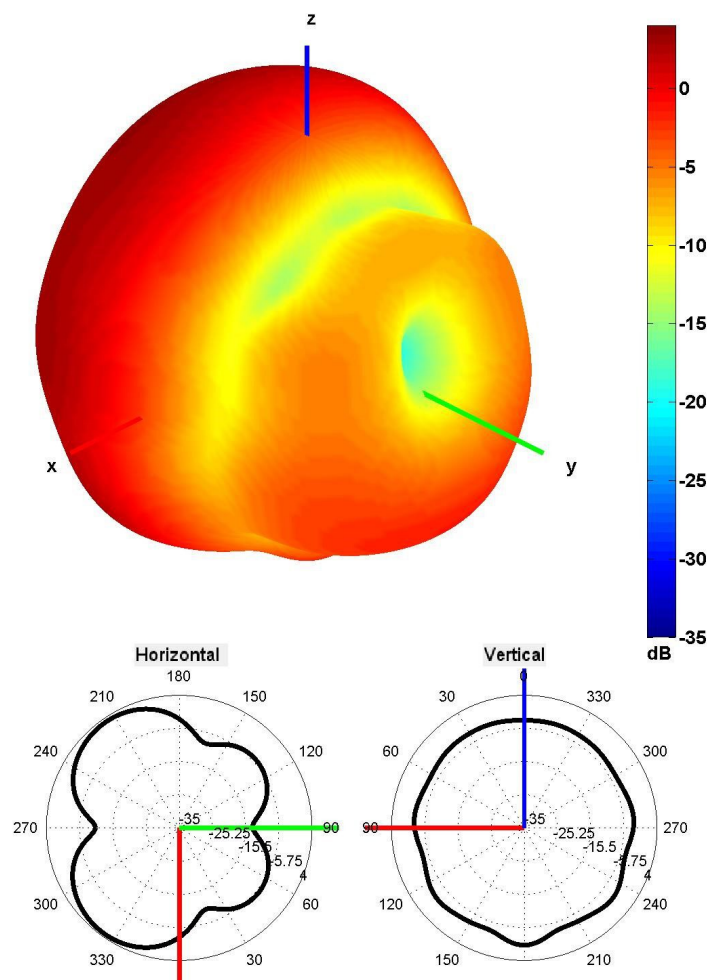
3. Antenna parameters



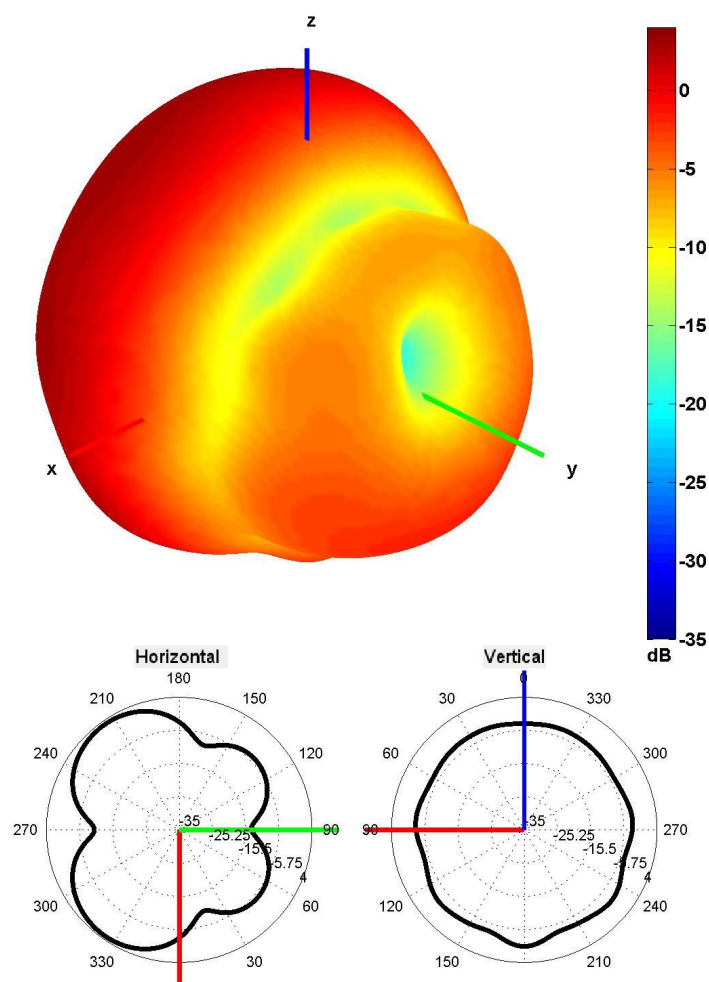
* Measured at 3 V



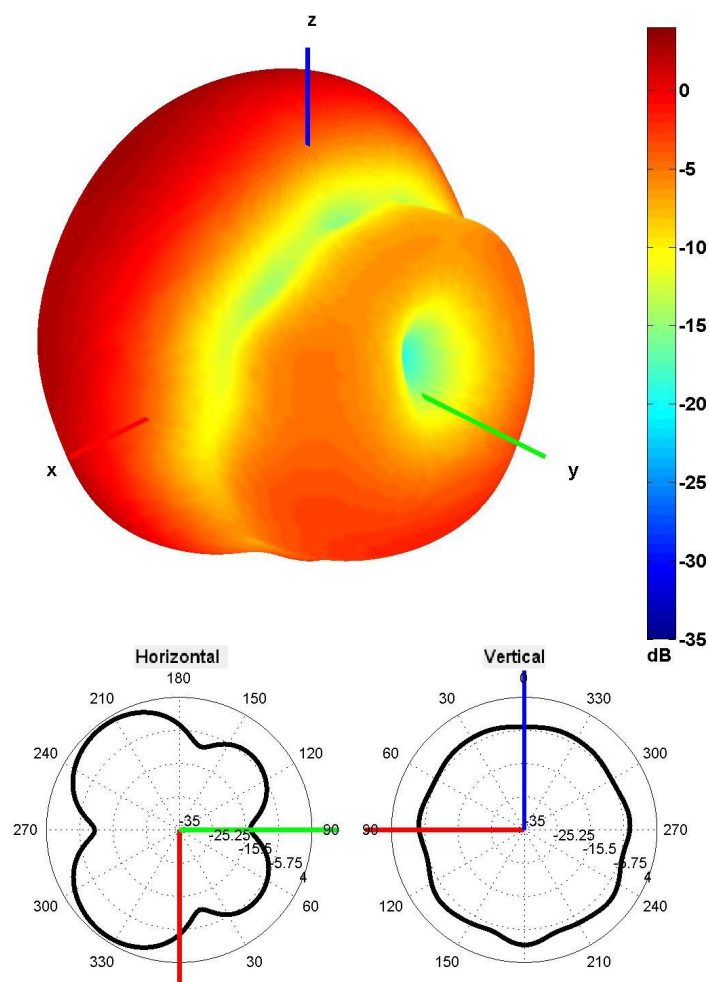
Radiation pattern reference



1560 MHz Radiation pattern

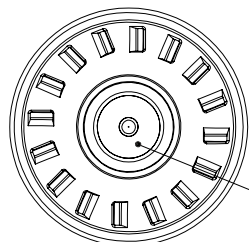


1575 MHz Radiation pattern

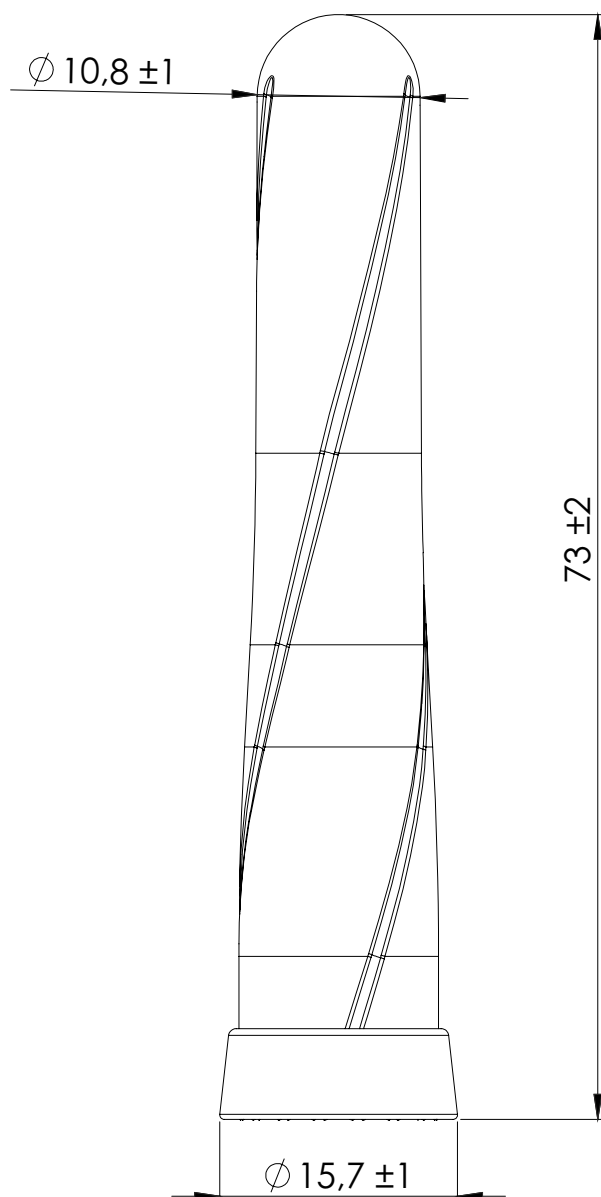


1600 MHz Radiation pattern

4. Antenna drawings



SMA Male Gold connector



5. Antenna Images

