

2JW1001-FKC

GNSS Connector Mount Antenna

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Connector Mount

Low Profile

High Efficiency

Ground Plane Dependent

Hinged Connector

Fakra-C-Blue Connector

Dimensions 81 × 14 × 10 mm



1. Antenna and electrical specifications

Parameters	GNSS Antenna		
	BeiDou	GPS/QZSS/Galileo	GLONASS
Standards			
Band (MHz)	1561	1575	1602
Frequency (MHz)	1561.098	1575.42	1598-1606
Return Loss (dB)	~-14.8	~-17.3	~-23.3
VSWR	~1.4:1	~1.3:1	~1.1:1
Efficiency (%)	~75.3	~75.1	~77.5
Peak Gain (dBi)	~3.5	~3.3	~3.9
Average Gain (dB)	~-1.3	~-1.2	~-1.1
Impedance (Ohm)		50	
Polarisation		Linear	
Radiation Pattern		Omni-Directional	
Max. Input Power (W)		25	
Connector Type		Fakra-C-Blue-Female	

Antenna Measurement Conditions:

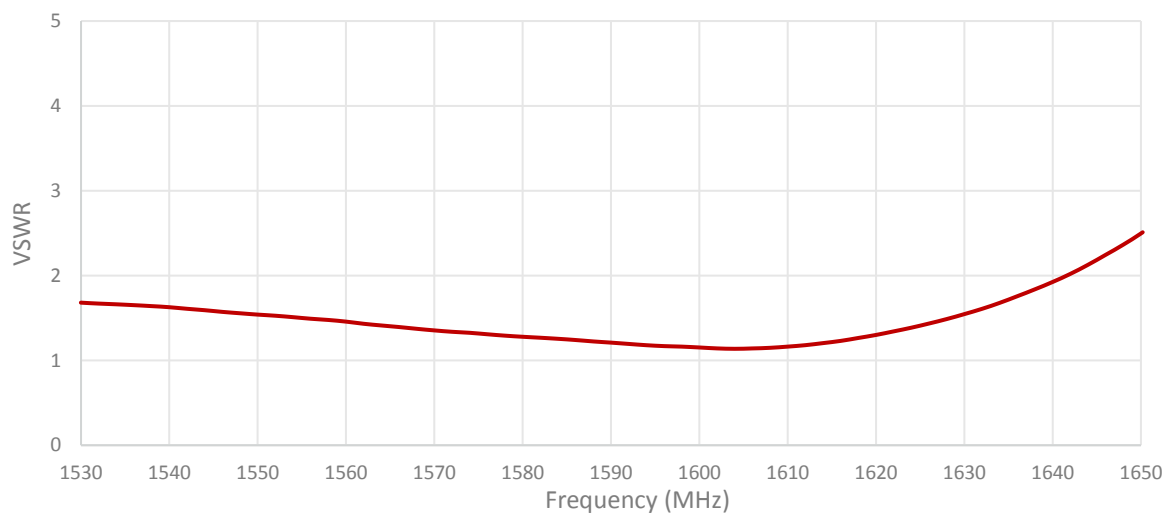
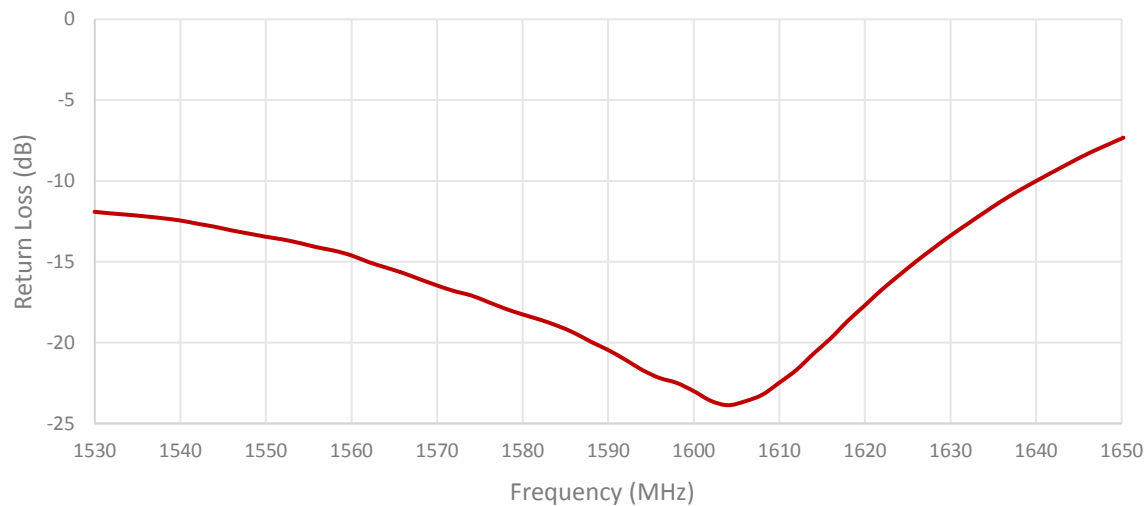
Mounted on Ground Plane of 83x40mm

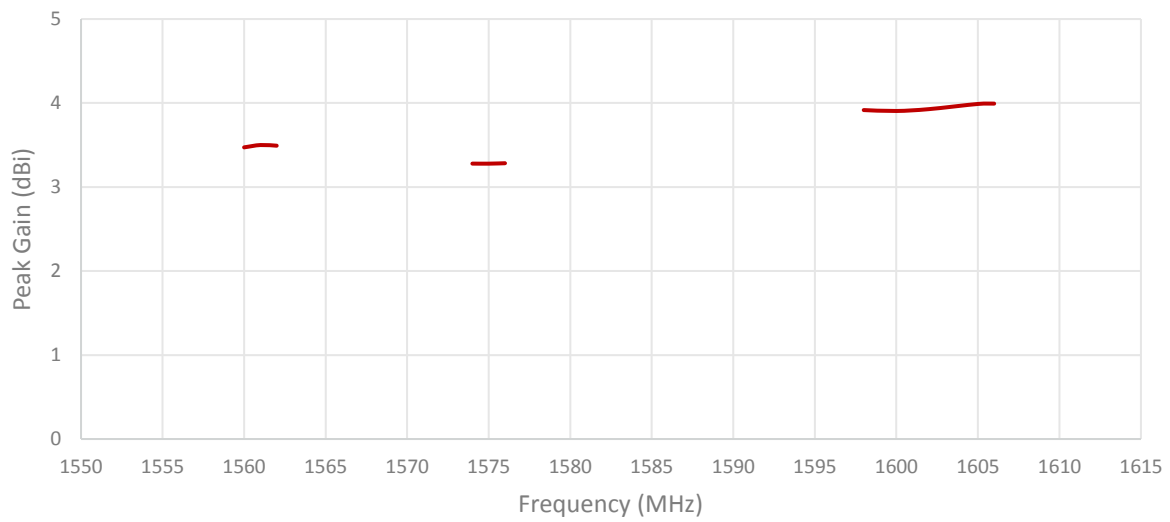
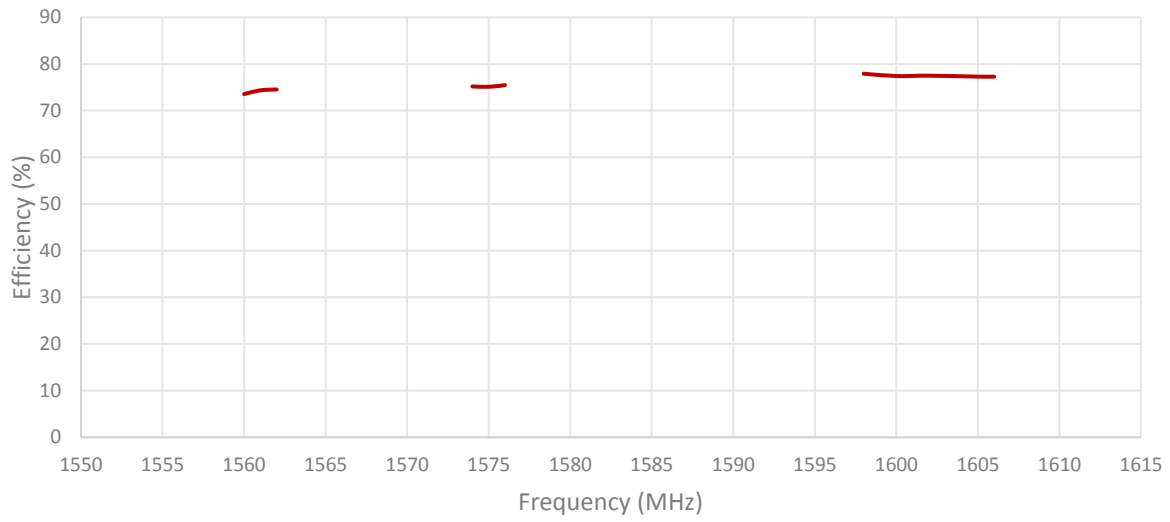
Measured in Certified CTIA 3D Anechoic Chamber

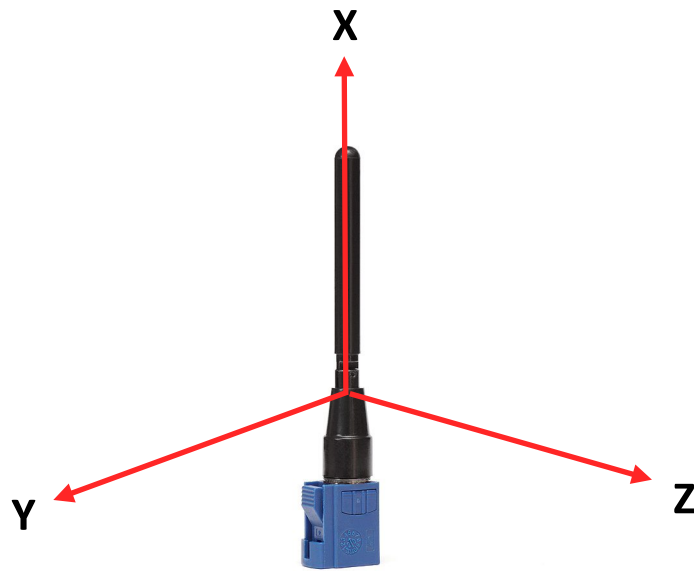
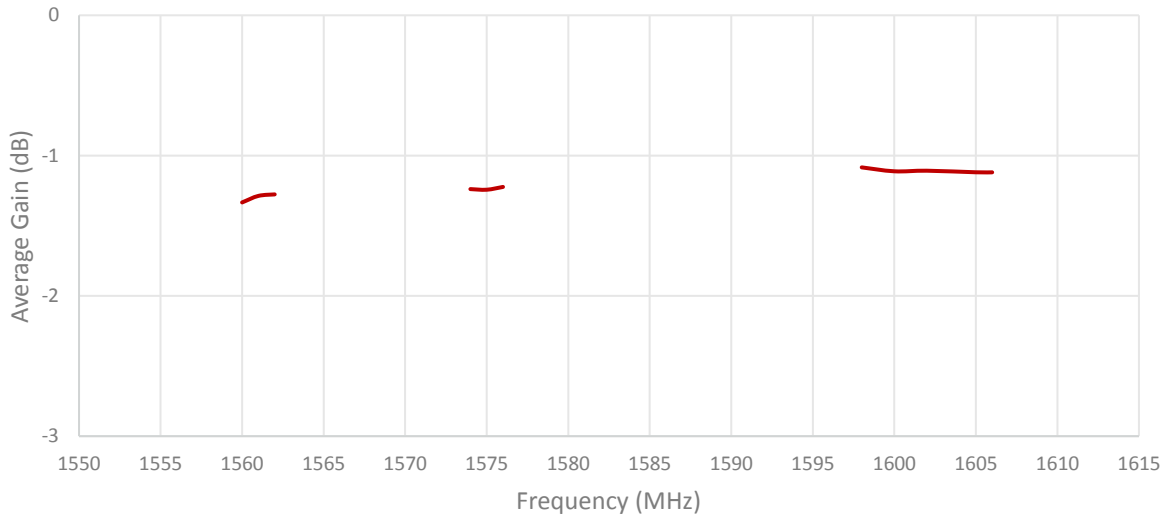
2. Mechanical and environmental specifications

Specifications	2JW1001-FKC
Mounting Type	Connector Mount
Dimensions (mm)	81 × 14 × 10
Radome Type	POM
Radome Color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

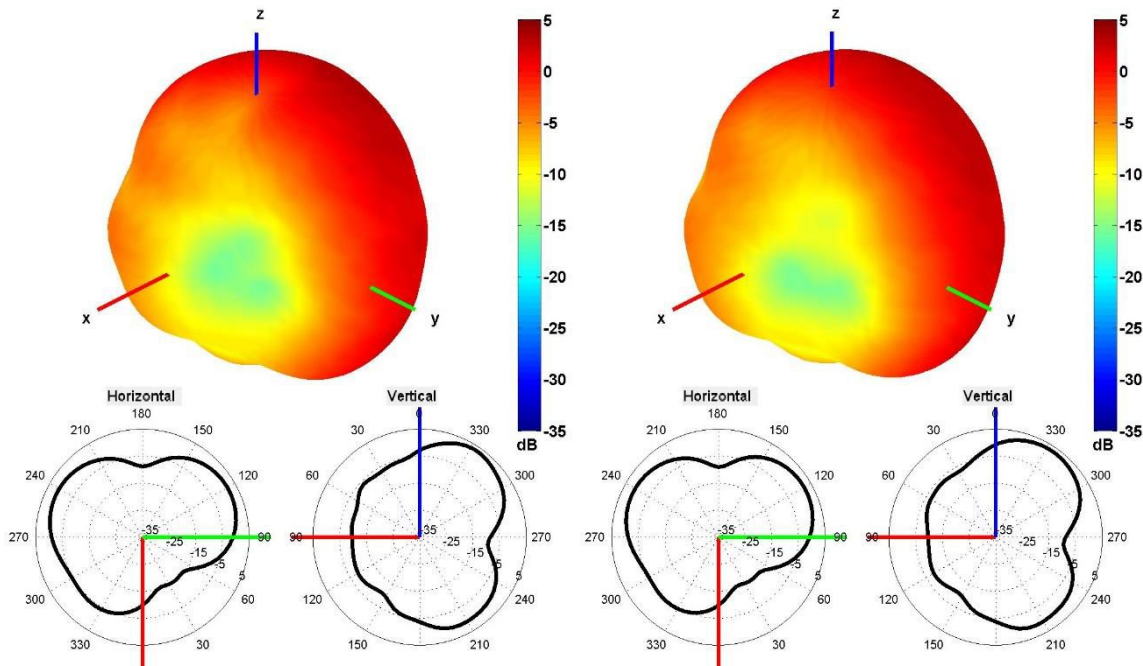
3. Antenna parameters



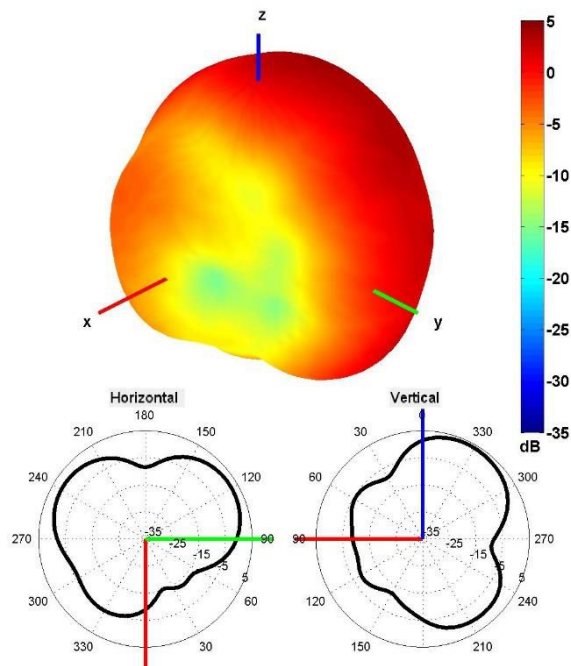




Radiation pattern reference

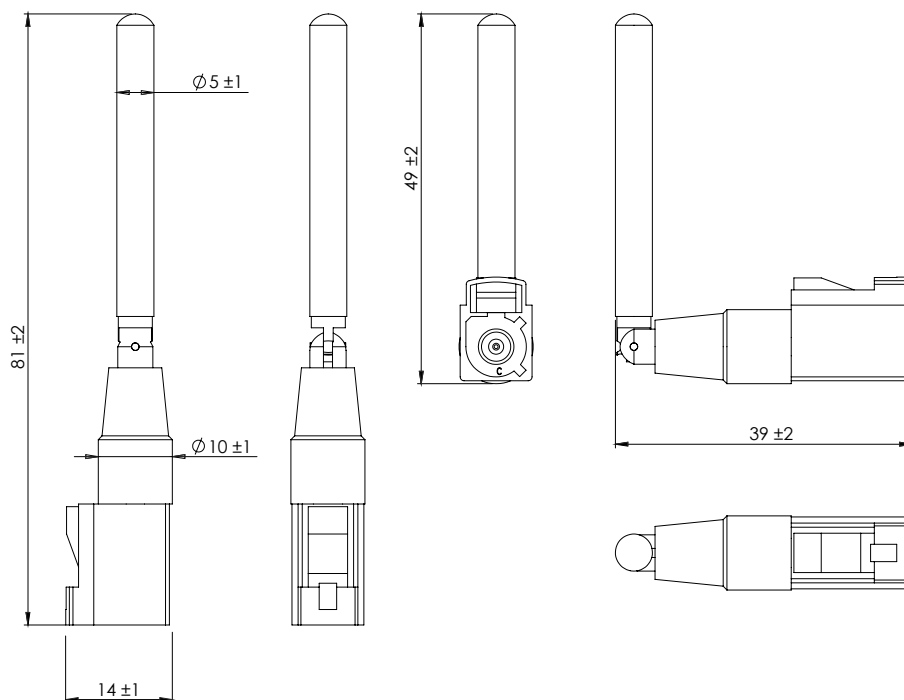
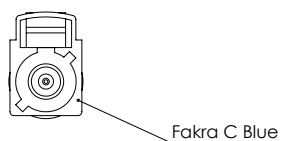


1561 and 1575 MHz Radiation pattern



1602 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

