

2JW1001

GNSS Connector Mount Antenna

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Connector Mount

Low Profile

High Efficiency

Ground Plane Dependent

Dimensions Ø 10 × 71 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)	~-17.2	~-16.0	~-15.9
VSWR	~1.3:1	~1.3:1	~1.3:1
Efficiency (%)	~70	~70	~69
Peak Gain (dBi)	~2.9	~2.8	~2.9
Average Gain (dB)	~-1.5	~-1.6	~-1.6
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	SMA-Male		

Antenna Measurement Conditions:

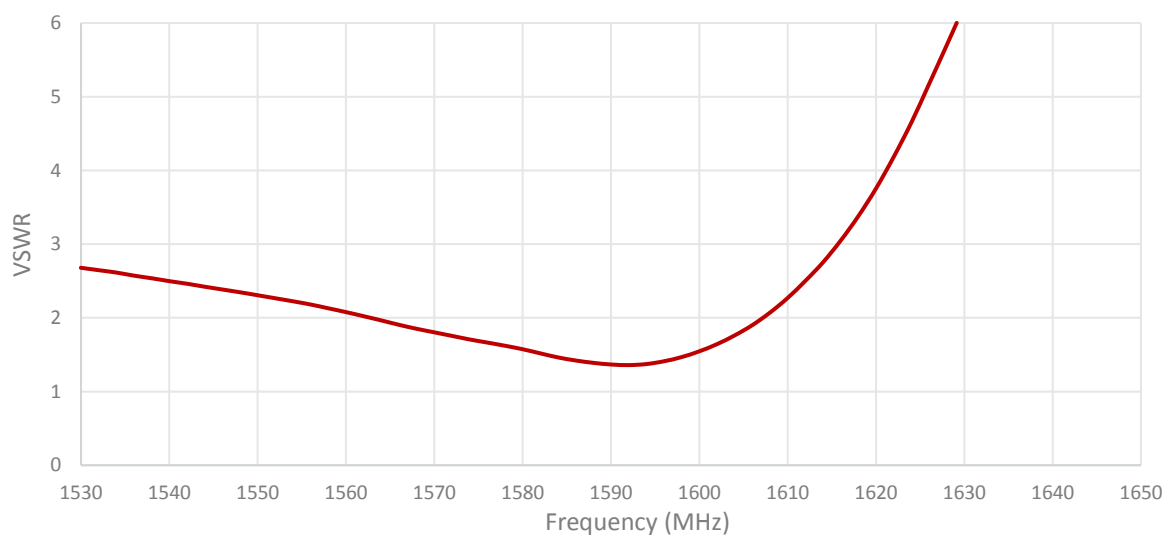
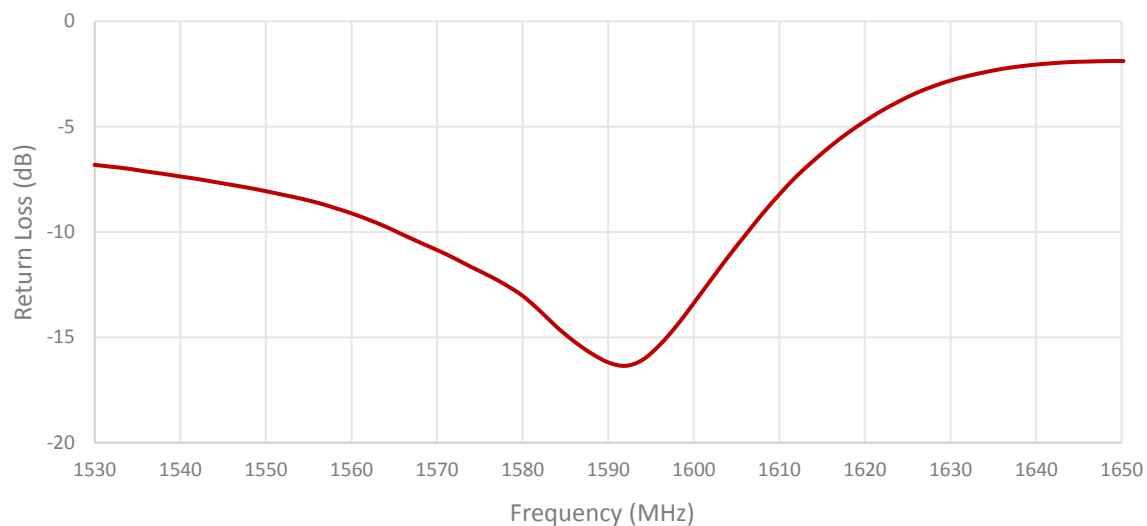
Mounted on Ground Plane of 83x40mm

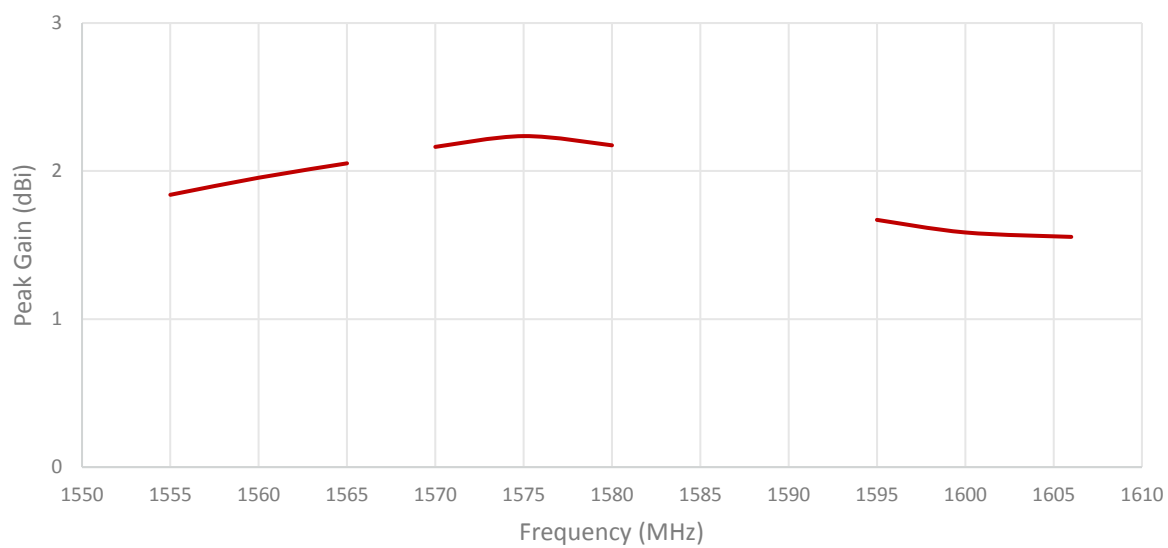
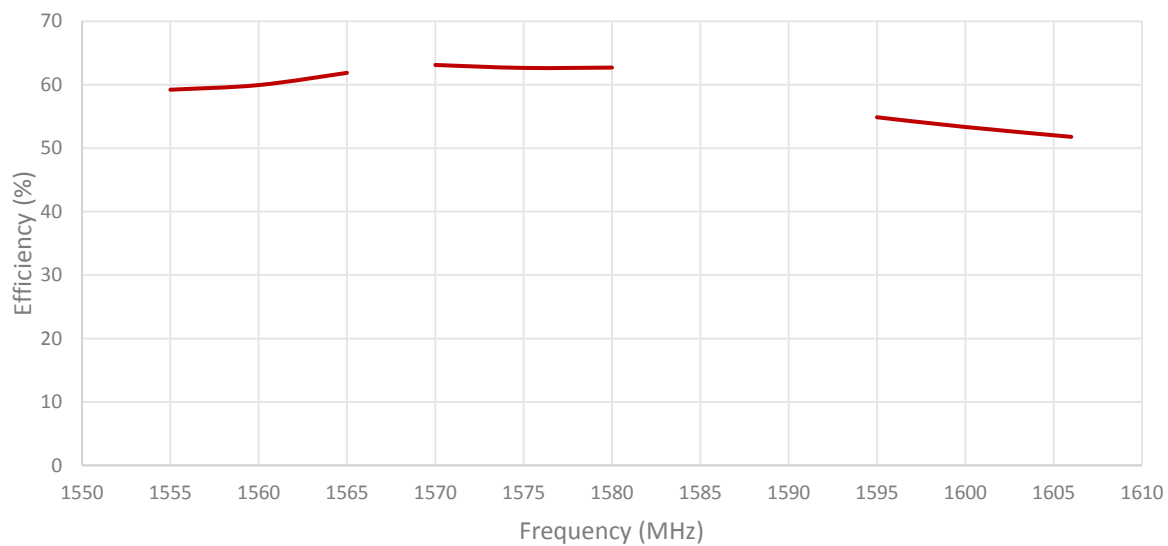
Measured in Certified CTIA 3D Anechoic Chamber

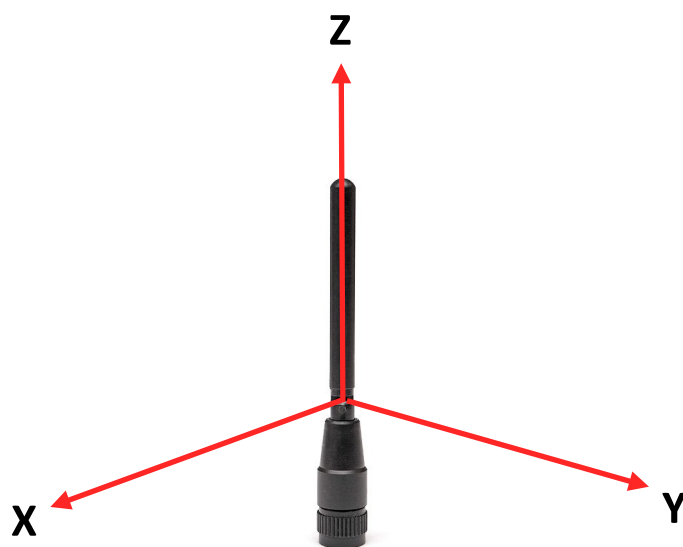
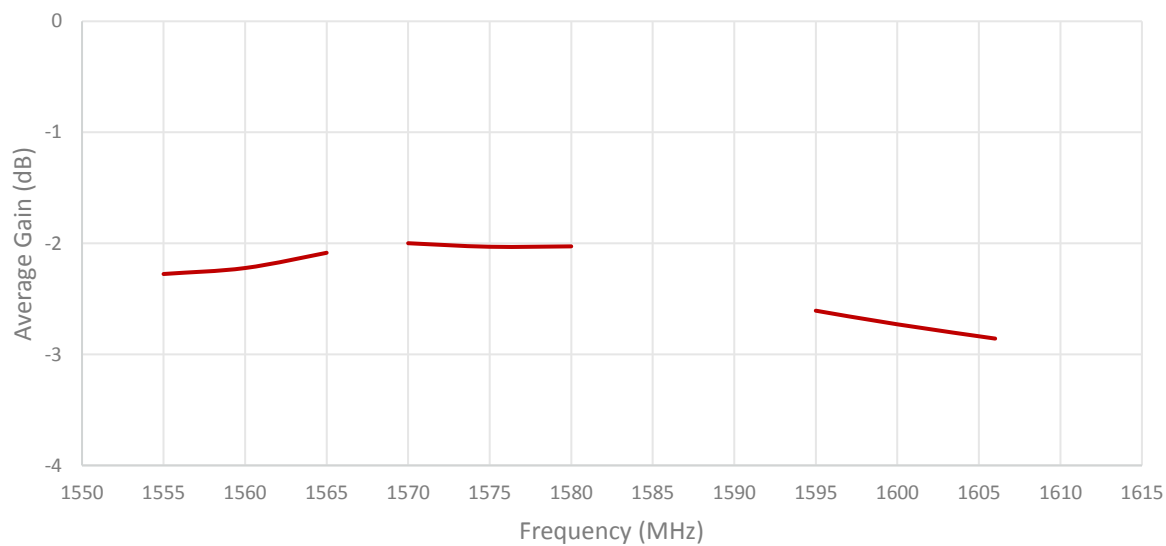
2. Mechanical and environmental specifications

Specifications	2JW1001
Mounting Type	Connector Mount
Dimensions (mm)	Ø 10 × 71
Radome Type	POM
Radome Color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

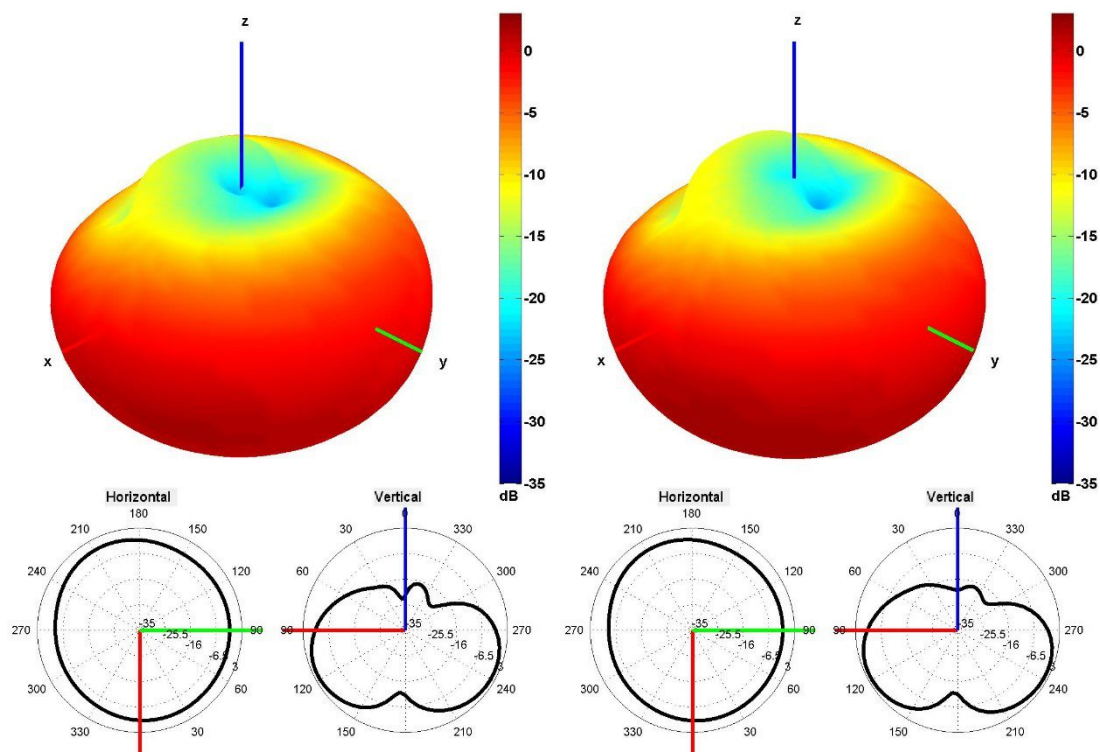
3. Antenna parameters



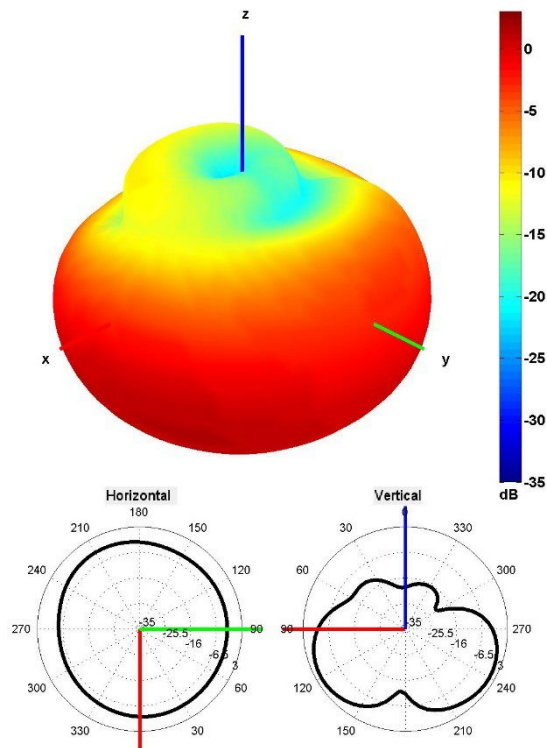




Radiation pattern reference

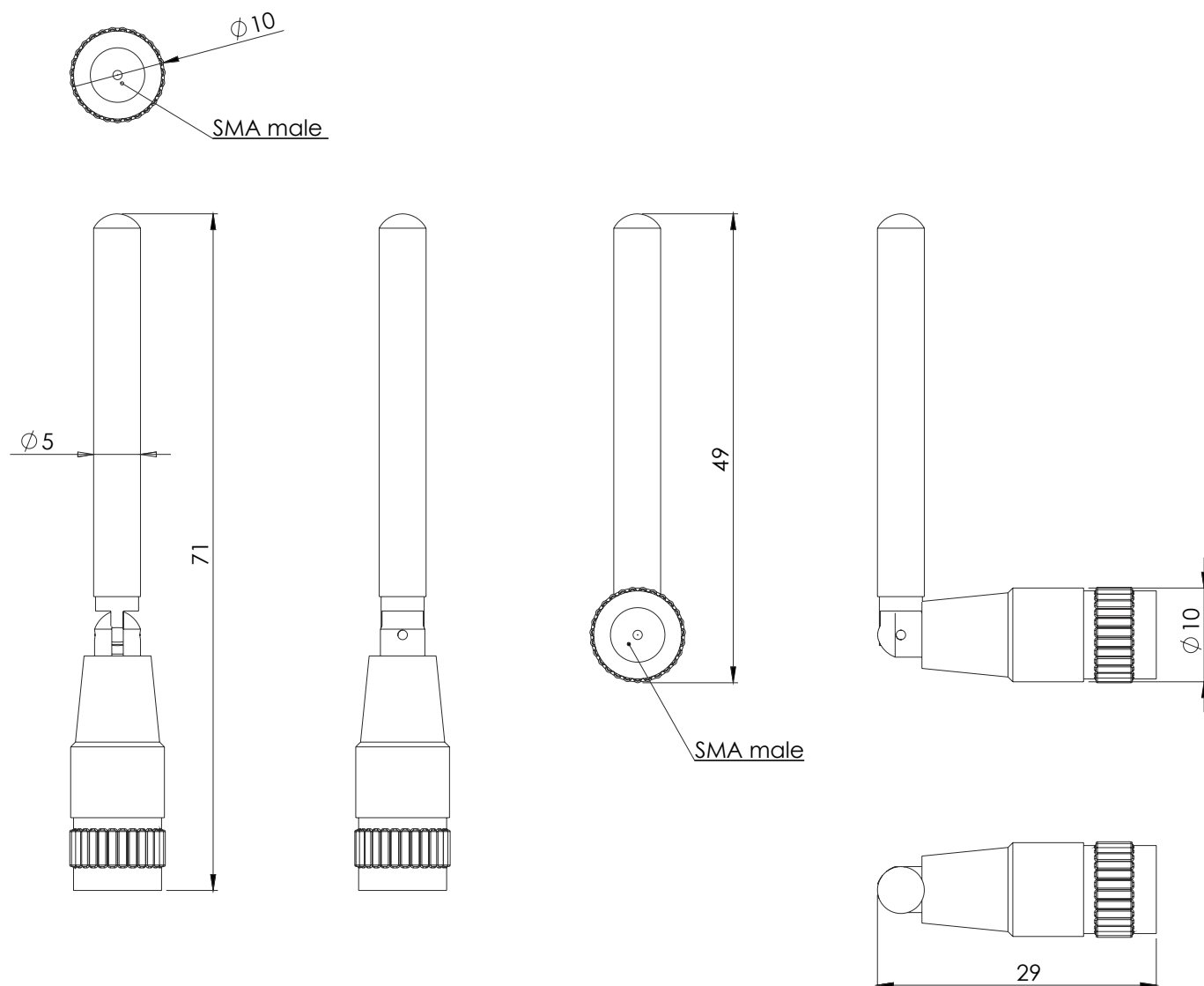


1560 and 1575 MHz Radiation pattern



1600 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

