

2JCP2543401a

GNSS and IRIDIUM Ceramic Thru-Hole Mount

Key Features

GPS/QZSS/Galileo and IRIDIUM

- 1575 MHz

- 1616-1627 MHz

Single Feed Technology

Thru-Hole Mount

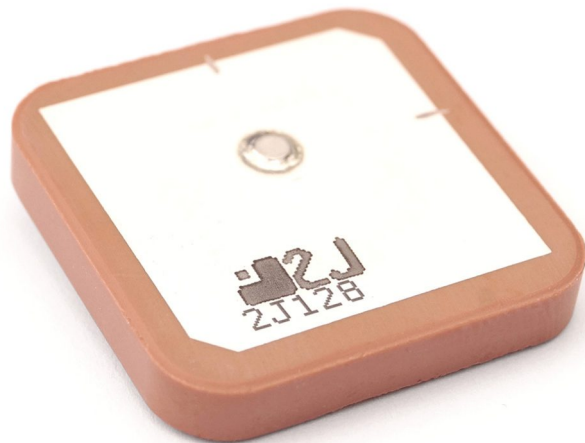
High Gain

Ground Plane Dependent

Dimensions 25 × 25 × 4 mm

Please check our Development Kit

2JDK0134a-C104N



1. Antenna and electrical specifications

Parameters	GNSS and IRIDIUM Ceramic Thru-Hole Mount Antenna	
	GPS/QZSS/Galileo	IRIDIUM
Standards	GPS/QZSS/Galileo	IRIDIUM
Bands (MHz)	1575	1621
Frequency (MHz)	1575.42	1616 - 1627
Return Loss (dB)	~-27.6	~-21.6
VSWR	~1.1:1	~1.3:1
Efficiency (%)	~93.8	~92.9
Peak Gain (dBi)	~5.1	~5.7
Average Gain (dB)	~-0.3	~-0.3
Impedance (Ohms)	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	

Antenna Measurement Conditions:

Free Space

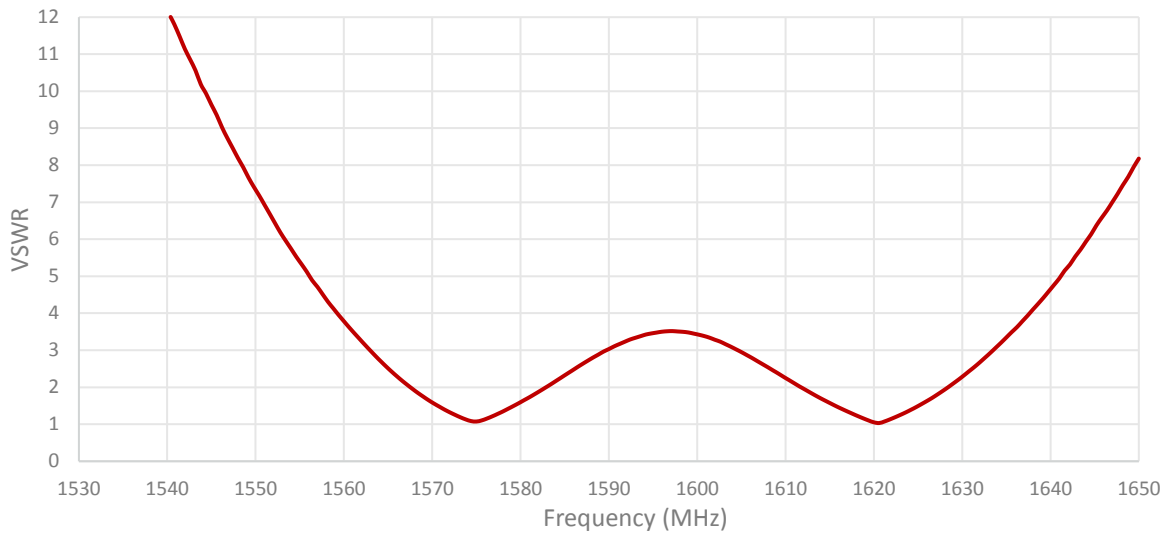
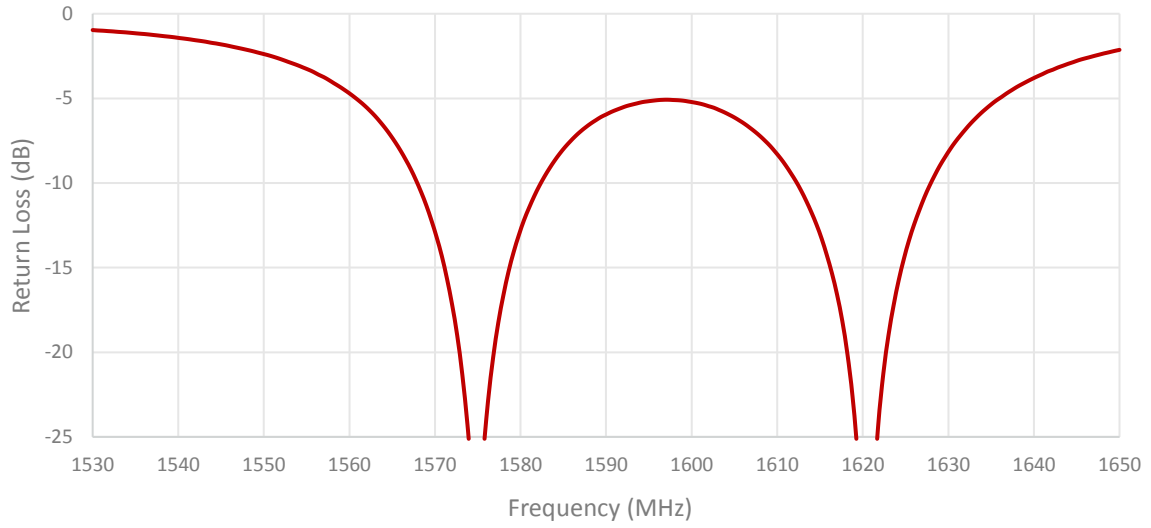
Mounted on Ground Plane of 70 x 70 mm

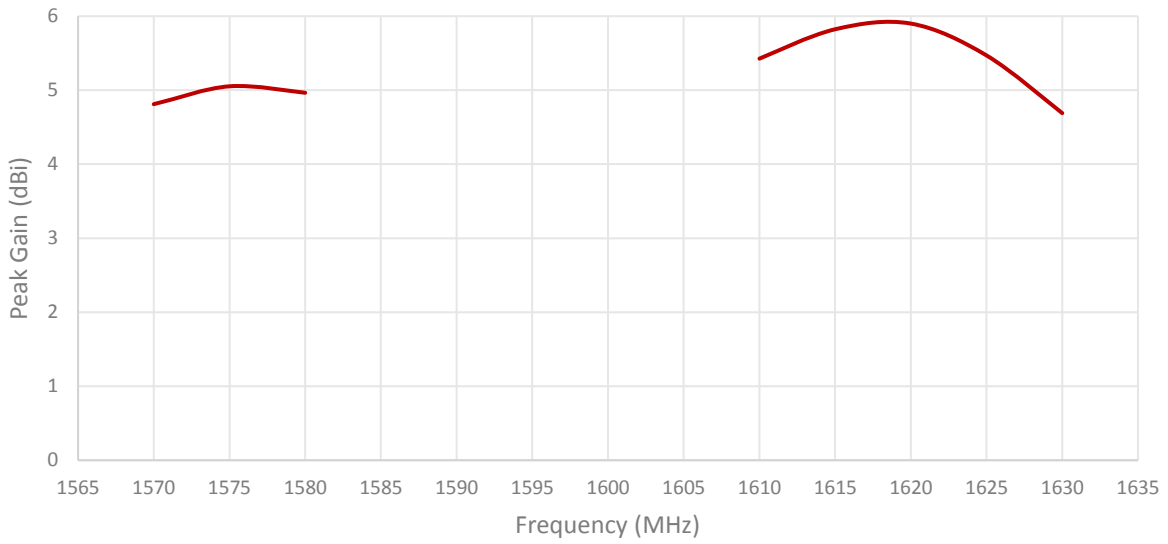
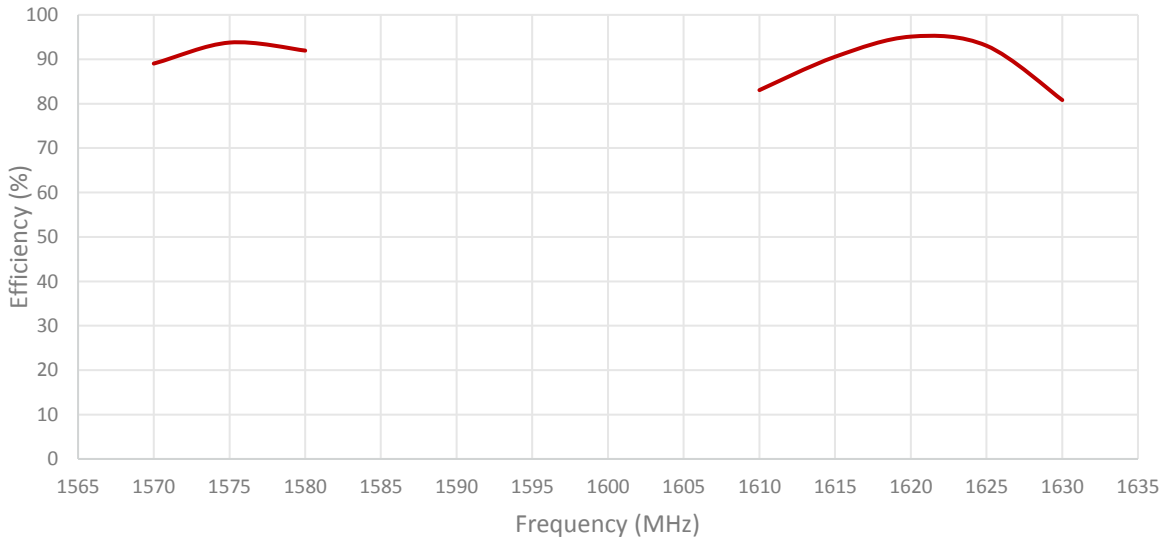
Measured in Certified CTIA 3D Anechoic Chamber

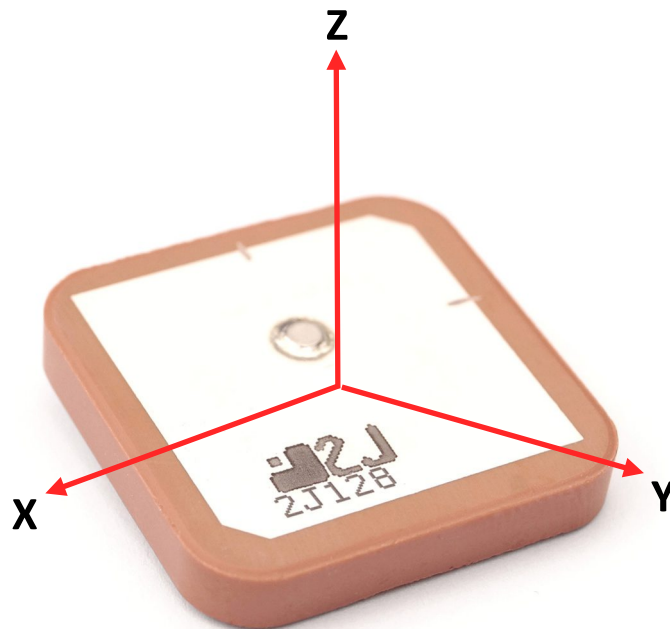
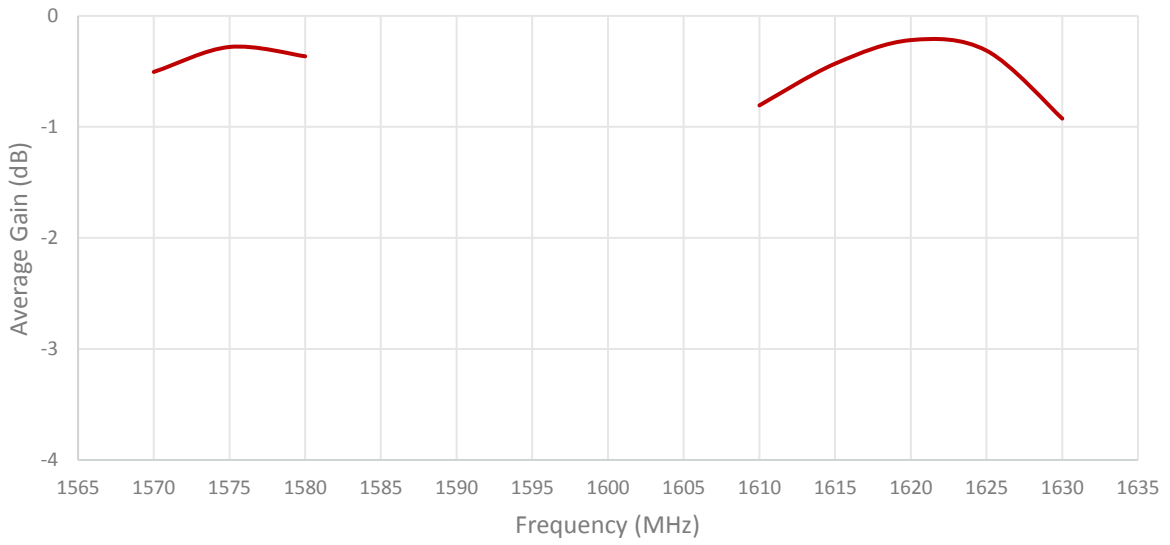
2. Mechanical and environmental specifications

Specifications	2JCP2543401a
Mounting Type	Thru-Hole Mount
Adhesive Type	Nitto 5000NS
Dimensions (mm)	25 × 25 × 4
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

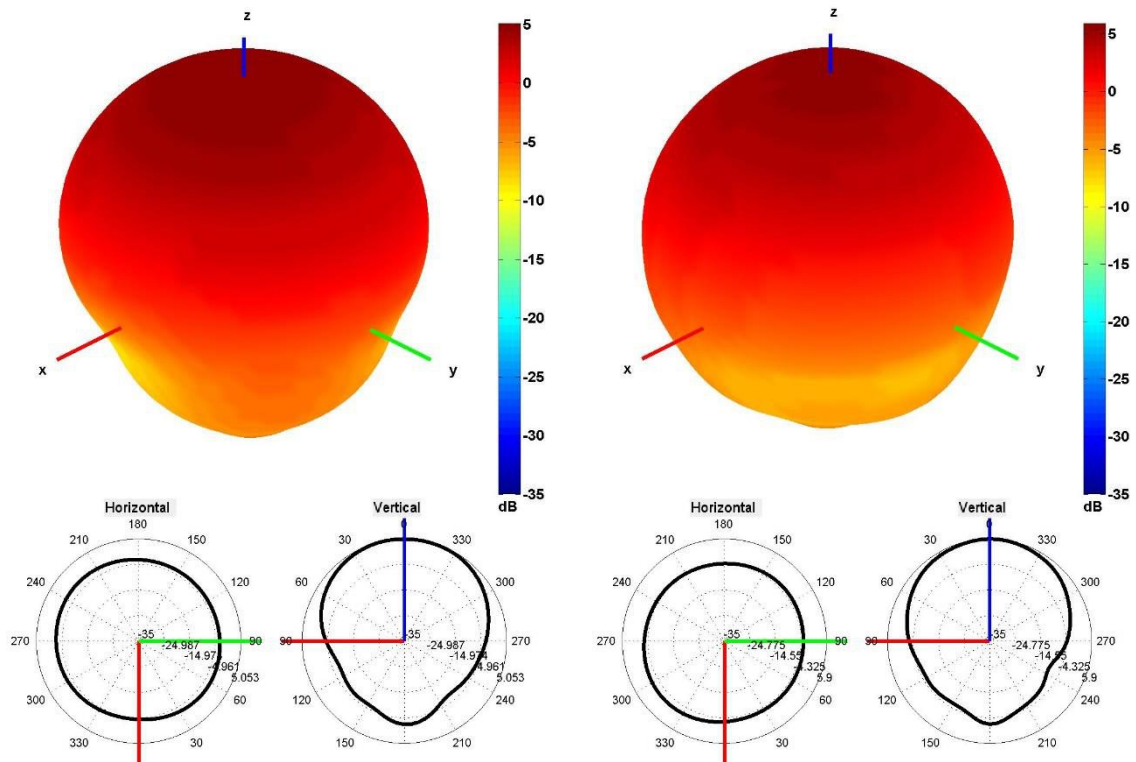
3. Antenna parameters





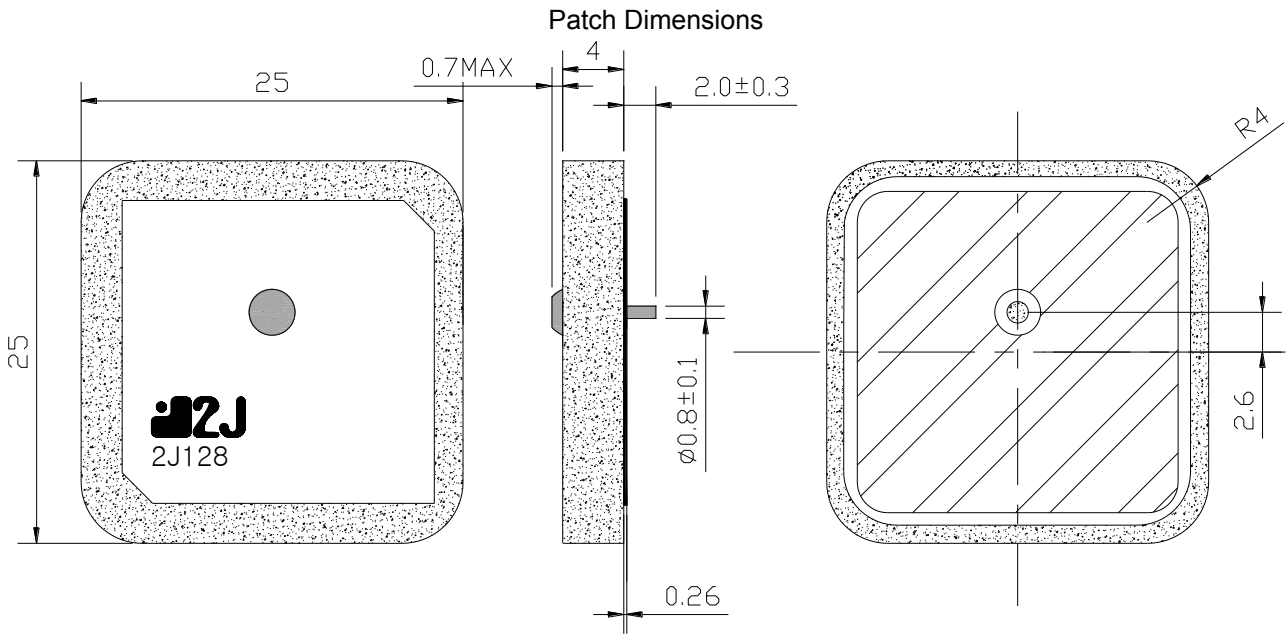


Radiation pattern reference

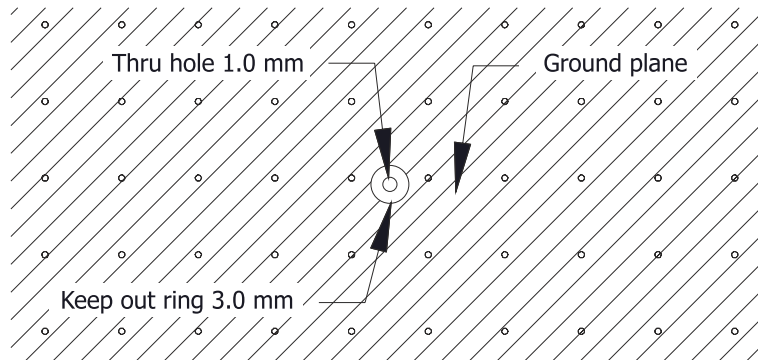


1575 AND 1621 MHz RADIATION PATTERN

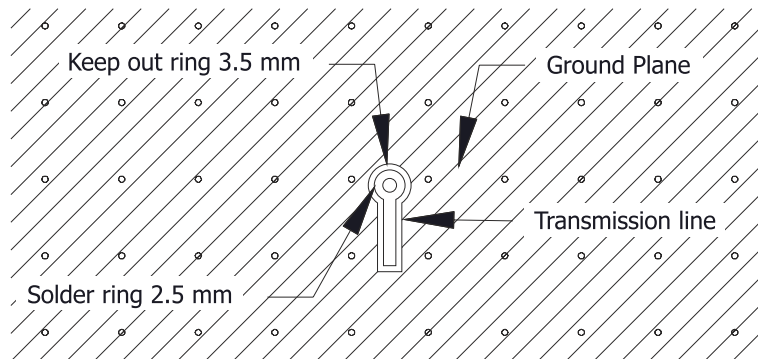
4. Antenna drawings



Layout for top layer



Layout for bottom layer



5. Antenna Images

