

2JP0434B

GNSS and IRIDIUM Screw Mount

Patent Pending

Key Features

GPS/QZSS/Galileo and IRIDIUM

- 1575 MHz

- 1616-1627 MHz

Single Feed Technology

Socket Antenna Module Technology

Screw Mount

High Performance

Iridium Certified

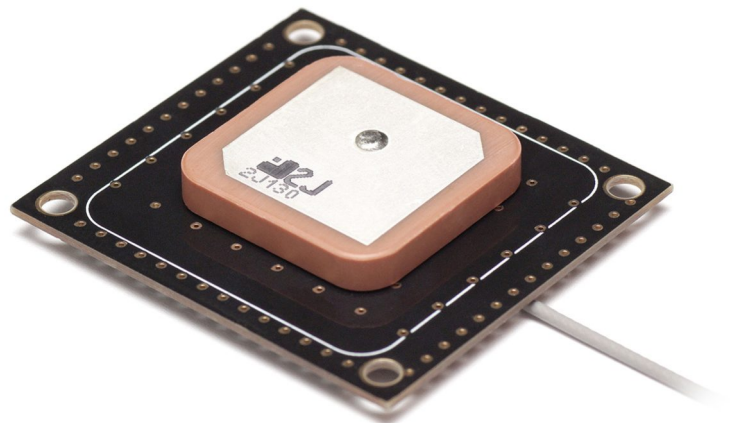
Patent Pending

Screw on Feature on Iridium Module

Ground Plane Independent

Dimensions 46 × 42 × 7.8 mm

Customizable Cable and Connector



1. Antenna and electrical specifications

Parameters	GNSS and IRIDIUM Screw Mount Antenna	
	GPS/QZSS/Galileo	IRIDIUM
Standards	GPS/QZSS/Galileo	IRIDIUM
Bands (MHz)	1575	1621
Frequency (MHz)	1575.42	1616 - 1627
Return Loss (dB)	~-12.9	~-15.8
VSWR	~1.6:1	~1.5:1
Efficiency (%)	~66.6	~65.9
Peak Gain (dBi)	~2.5	~2.6
Average Gain (dB)	~-1.8	~-1.8
Impedance (Ohms)	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Connector Type	U.FL Standard (Other Connectors Available)	
Cable Length	100 mm Standard (Any Cable Length Available)	
Cable Type	1.13 mm Mini-Coax Standard (Other Cables Available)	

Antenna Measurement Conditions:

Free Space

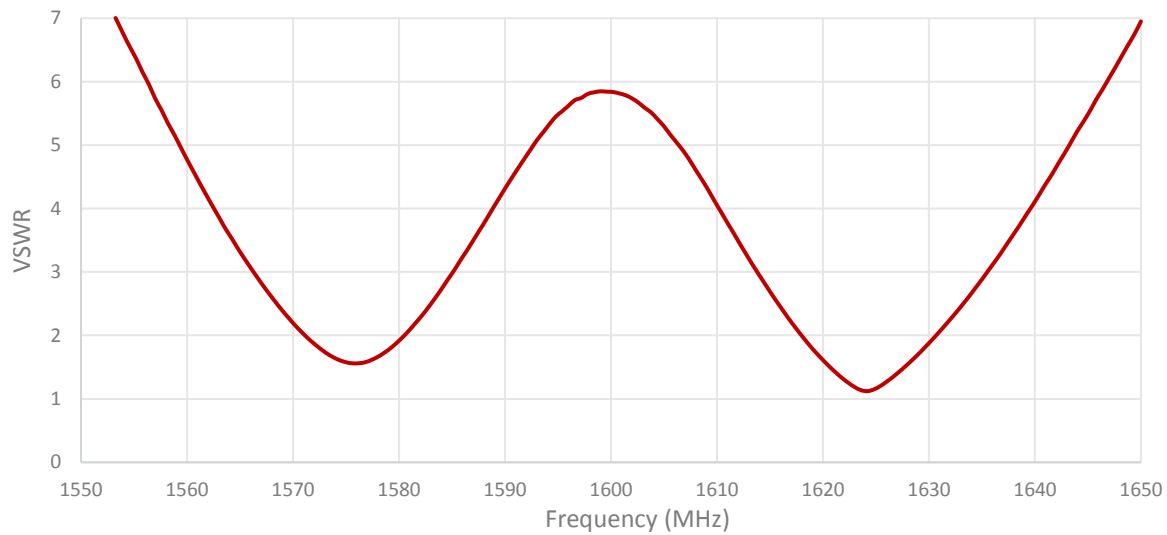
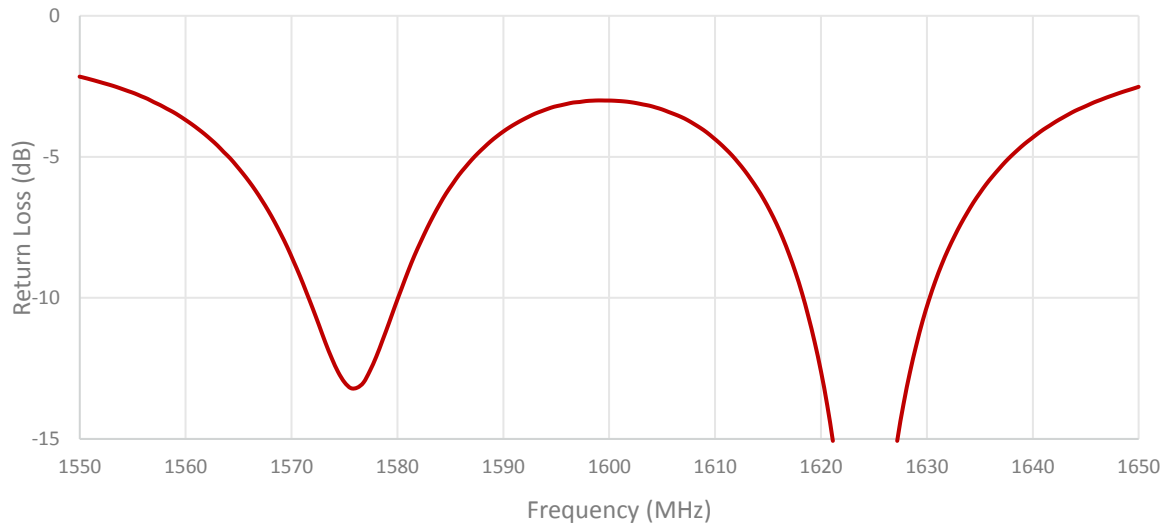
Mounted on Ground Plane of 46 x 42 mm

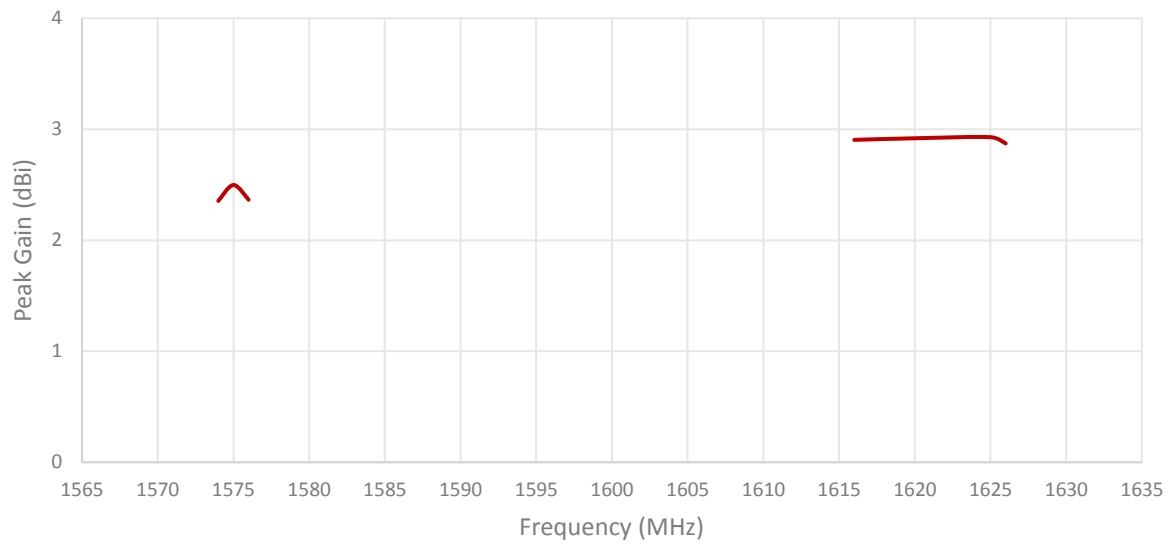
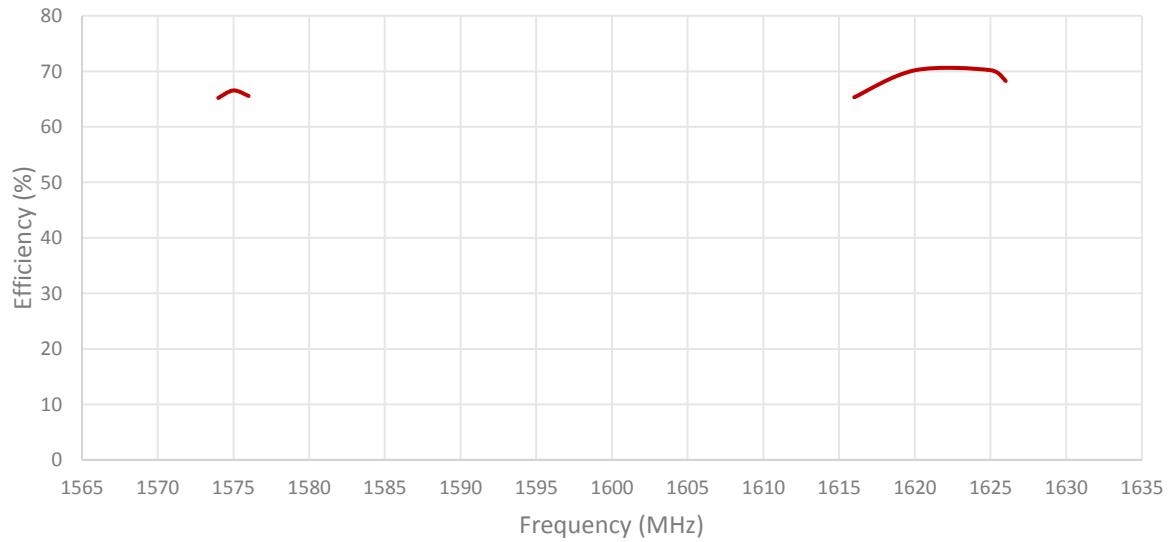
Measured in Certified CTIA 3D Anechoic Chamber

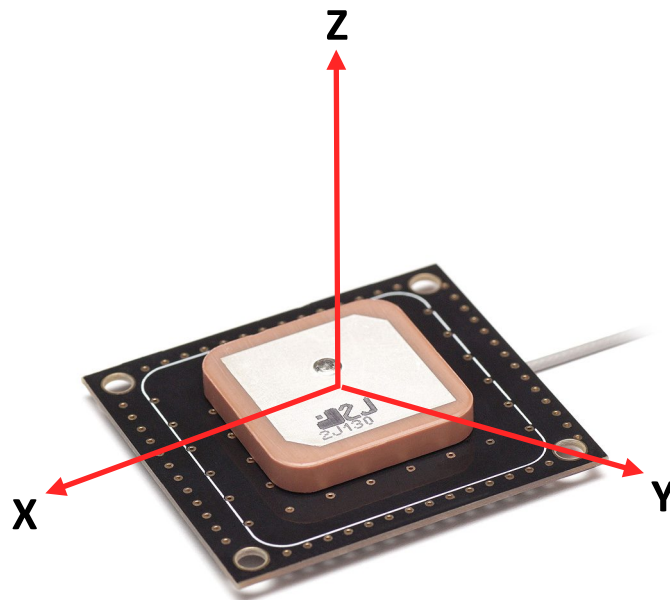
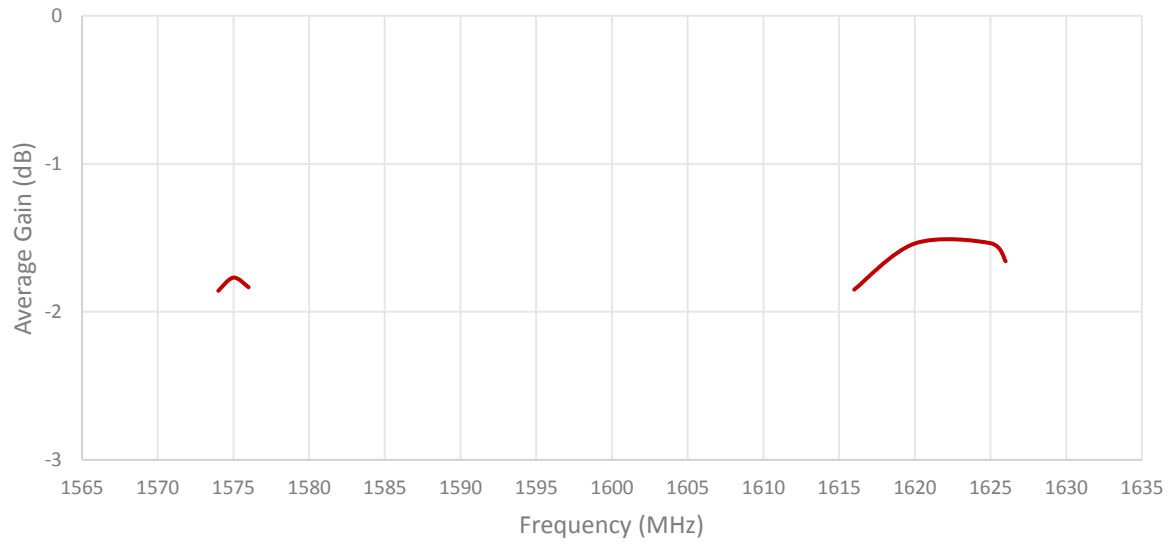
2. Mechanical and environmental specifications

Specifications	2JP0434B
Mounting Type	Screw Mount
Dimensions (mm)	46 × 42 × 7.8
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

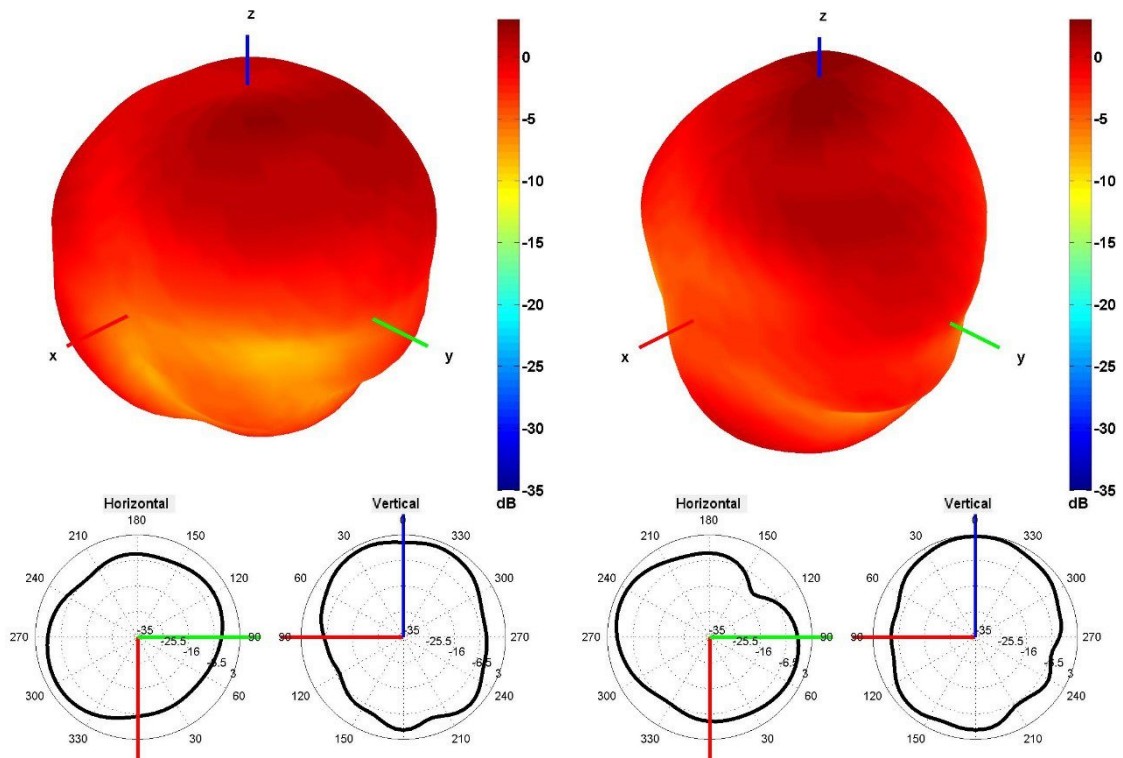
3. Antenna parameters





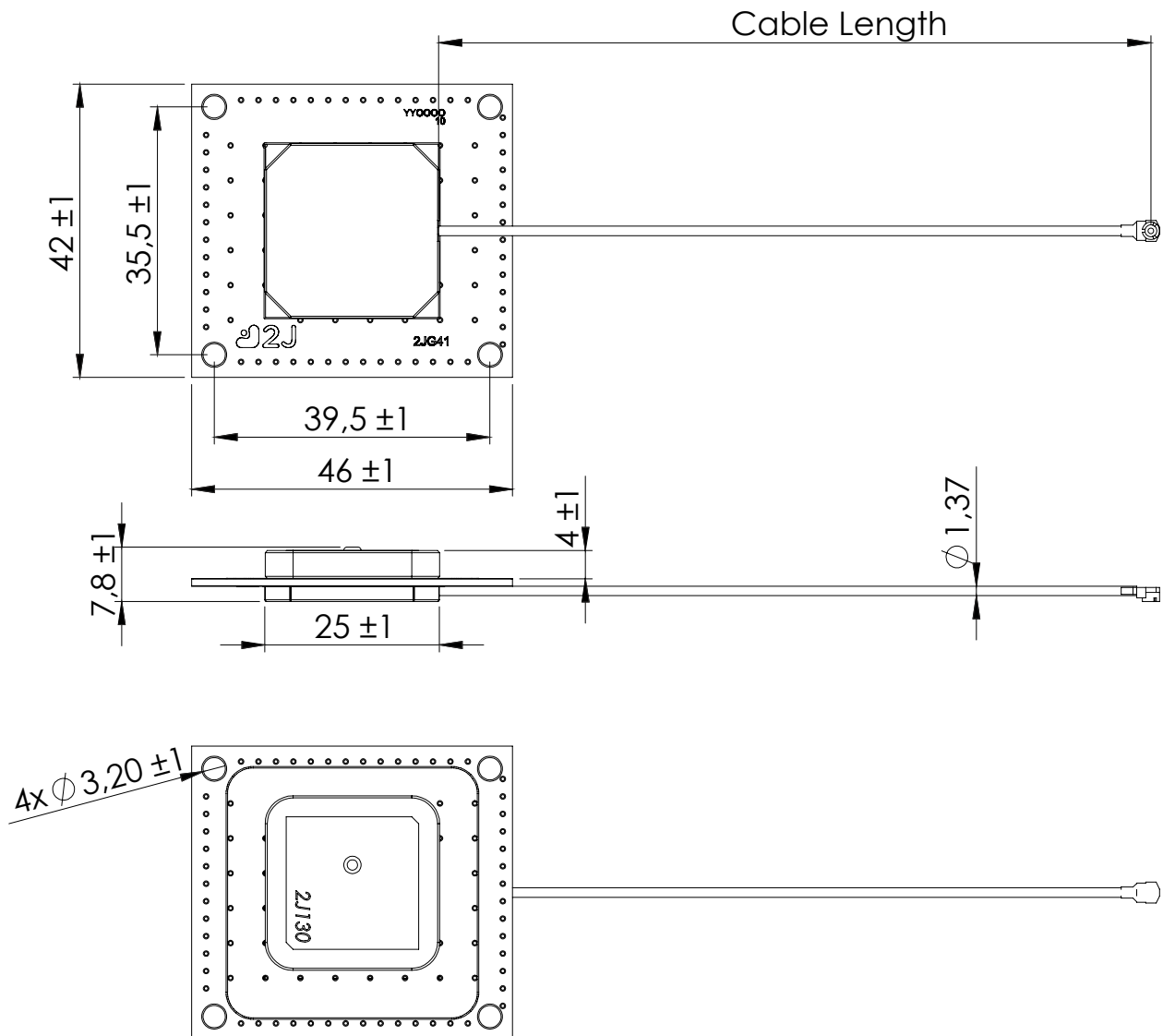


Radiation pattern reference

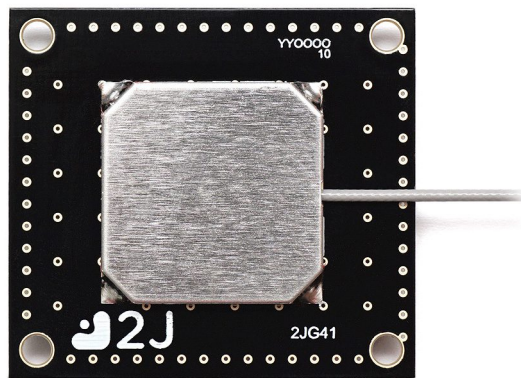
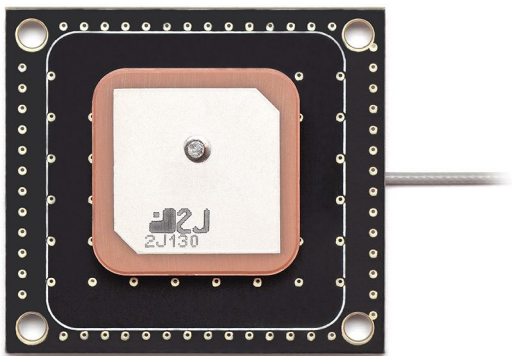
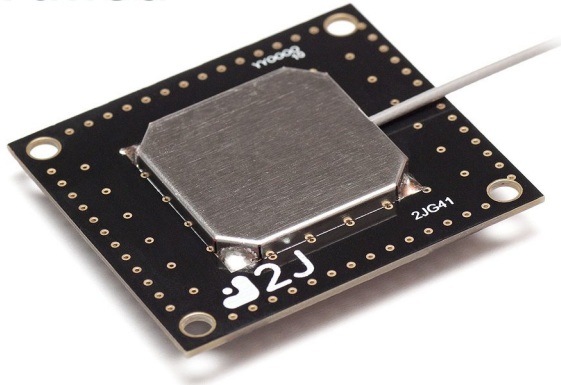
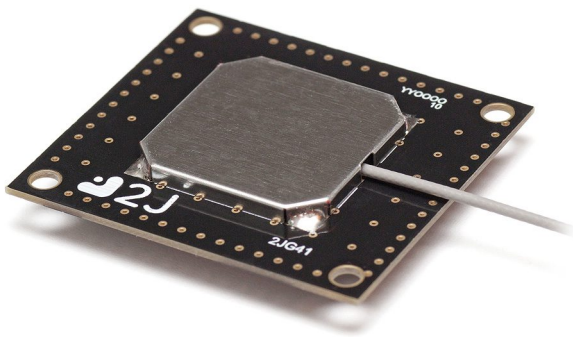
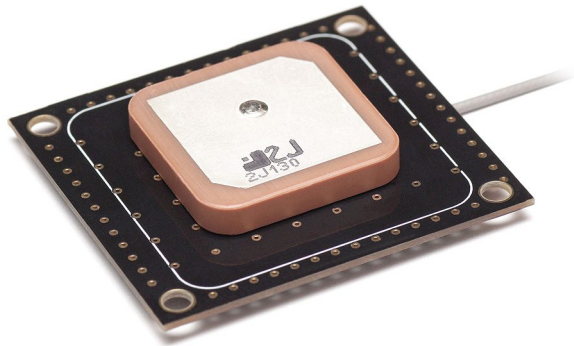
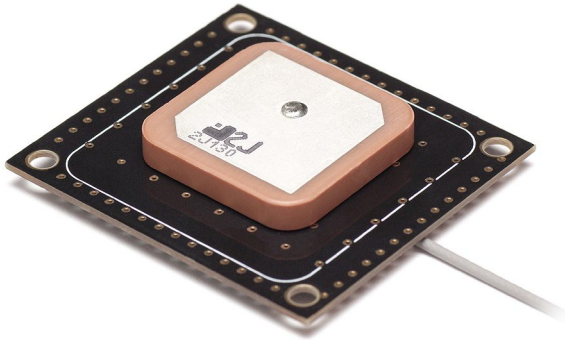


1575 AND 1621 MHz RADIATION PATTERN

4. Antenna drawings



5. Antenna Images



6. Antenna Application Examples

