

2JCP3642601a
(Alpha Micro Part No. AMC2JCP3642601a)
Iridium passive patch antenna

Features

- Iridium
 - 1616 – 1627MHz
- Through hole mount
- Ground plane dependent
- Dimensions – 36 x 36 x 4mm
- Part of development kit 2JDK0126a



1. Antenna and Electrical Specifications

Parameters	Ceramic Through Hole Mount Antenna
Standards	Iridium
Band (MHz)	1621
Frequency (MHz)	1616 - 1627
Return Loss (dB)	~-18.8
VSWR	~1.2:1
Efficiency (%)	~76
Peak Gain (dBi)	~4.5
Average Gain (dB)	~-1.1
Impedance (Ohms)	50
Axial Ratio (dB)	3 max
Polarization	RHCP
Radiation Pattern	Hemispherical

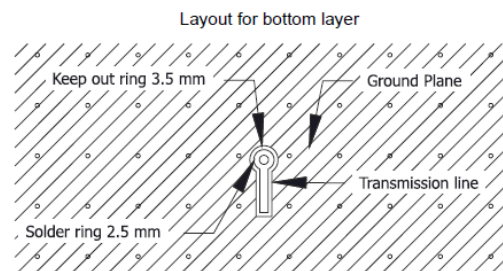
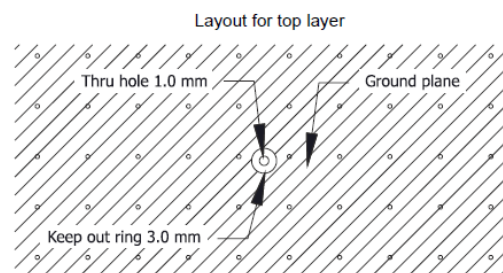
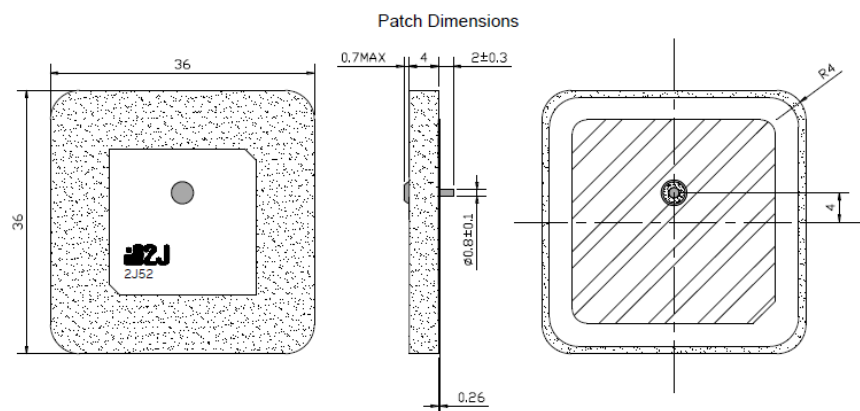
Measurement Conditions:

Mounted on 70mm x 70mm ground plane

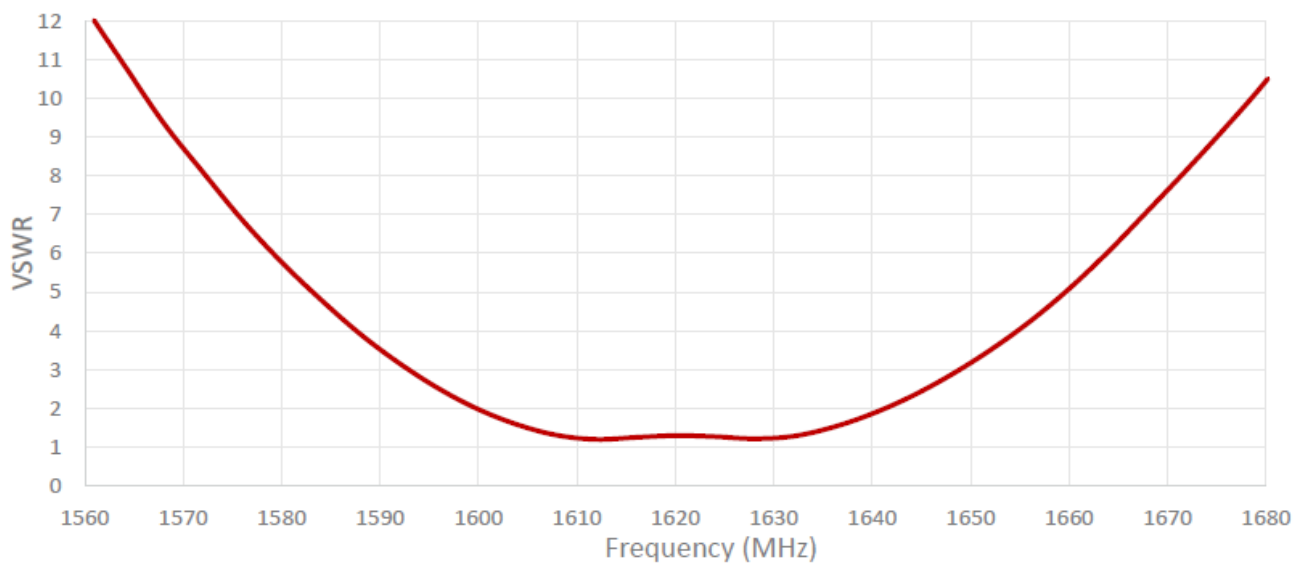
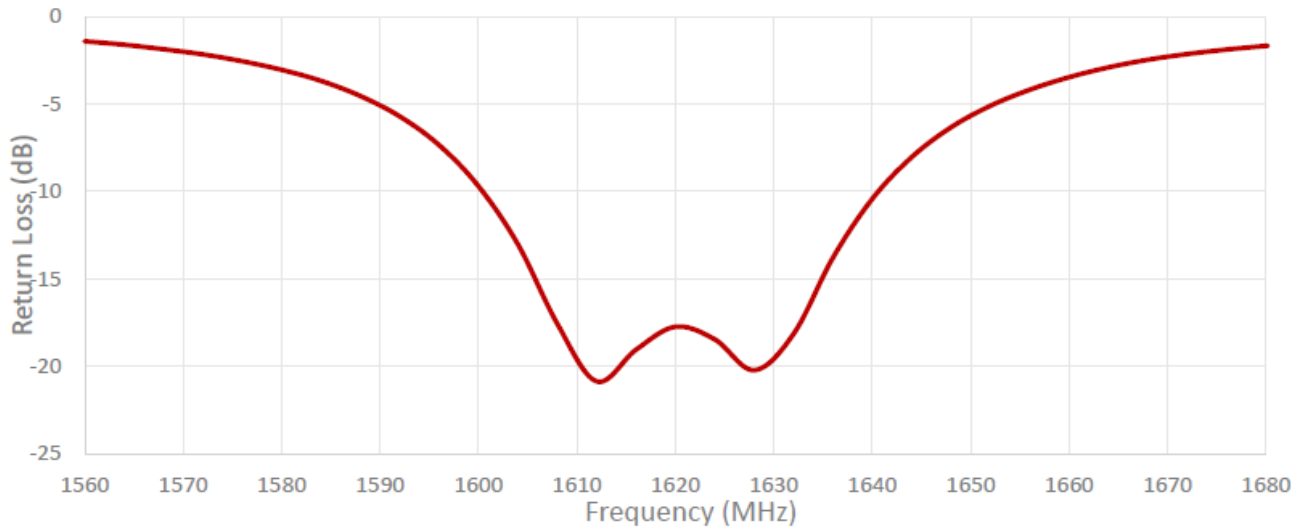
Measured in certified CTIA 3D anechoic chamber

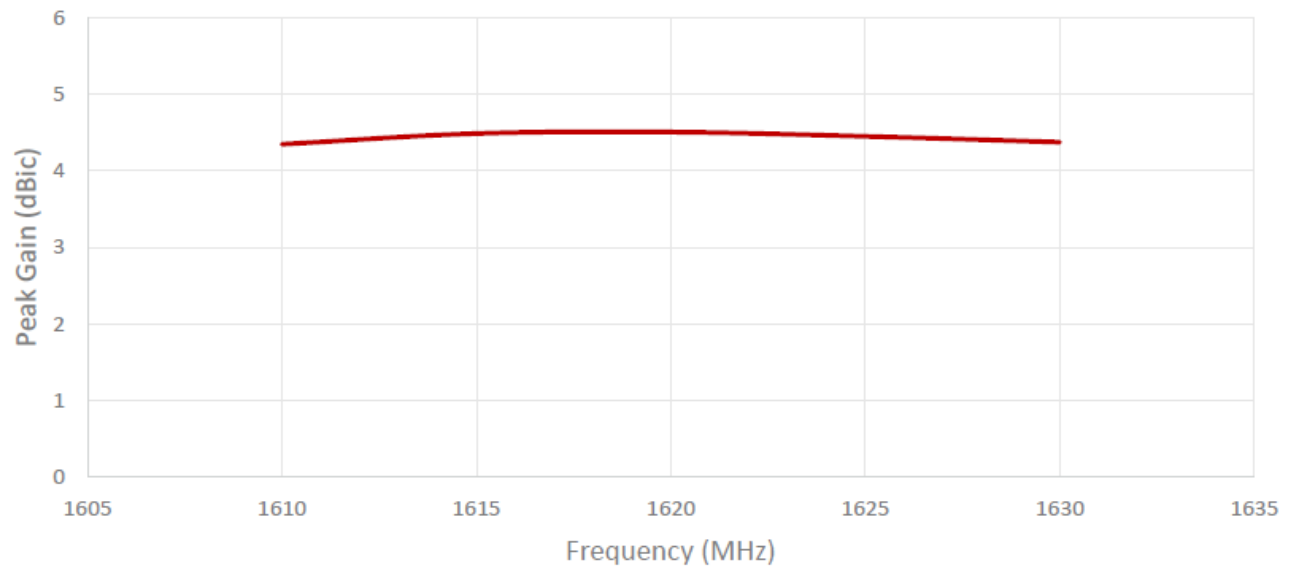
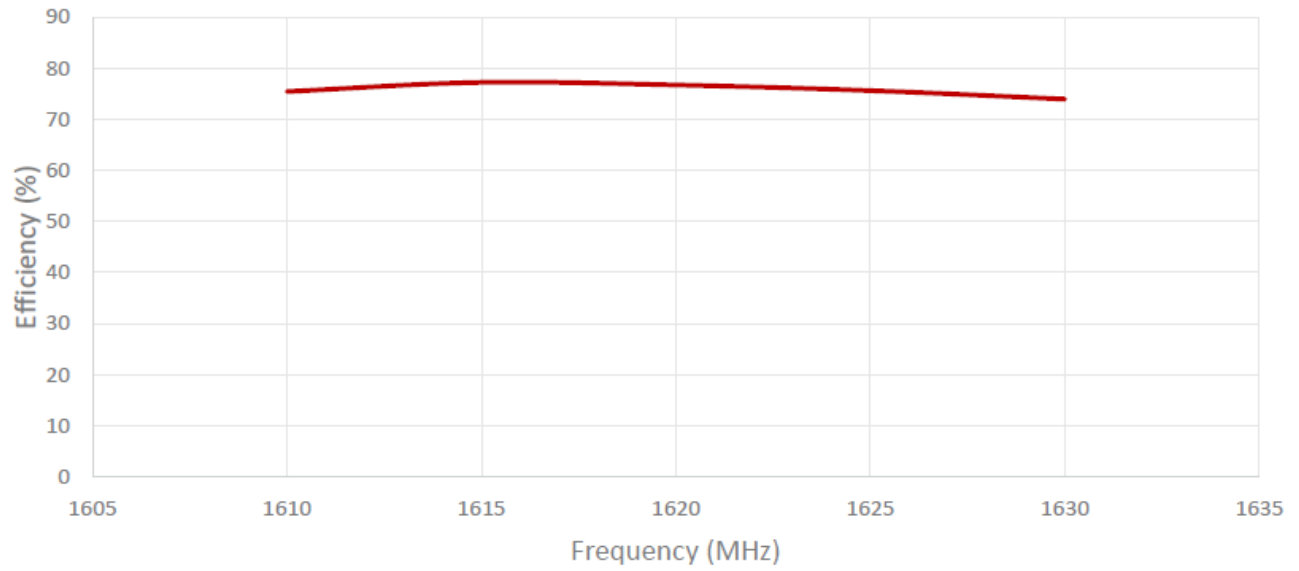
2. Mechanical and Environmental Specifications

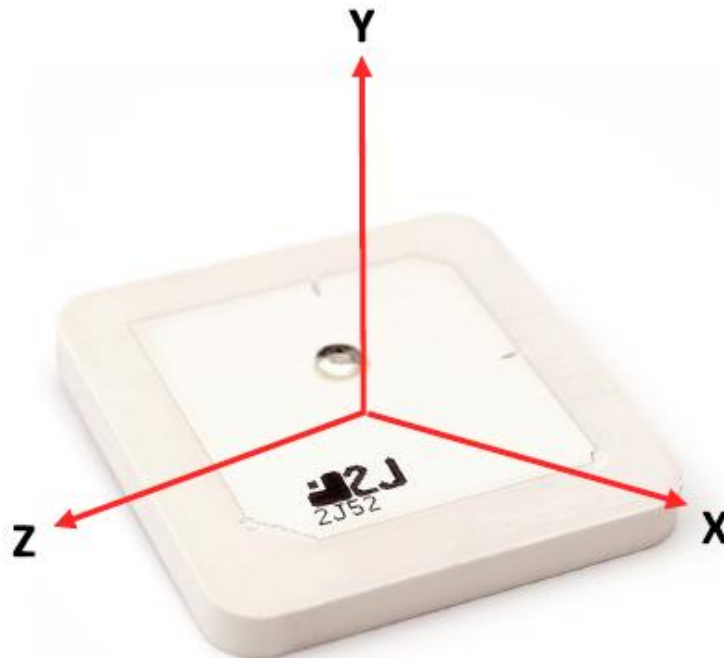
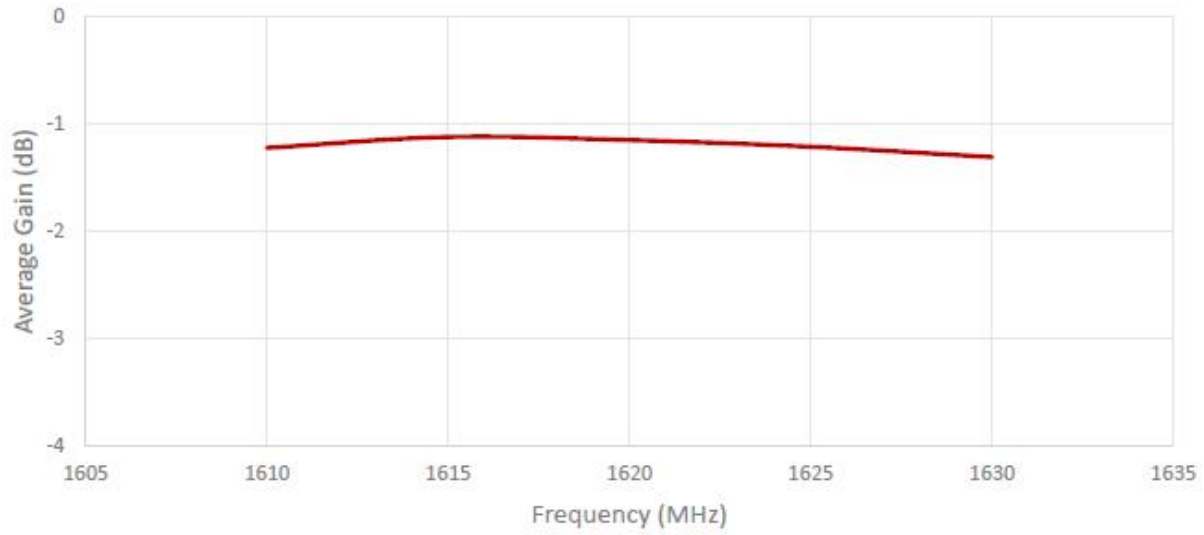
Mounting Type	Through hole mount
Adhesive	Nitto 5000NS
Dimensions (mm)	36 x 36 x 4
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



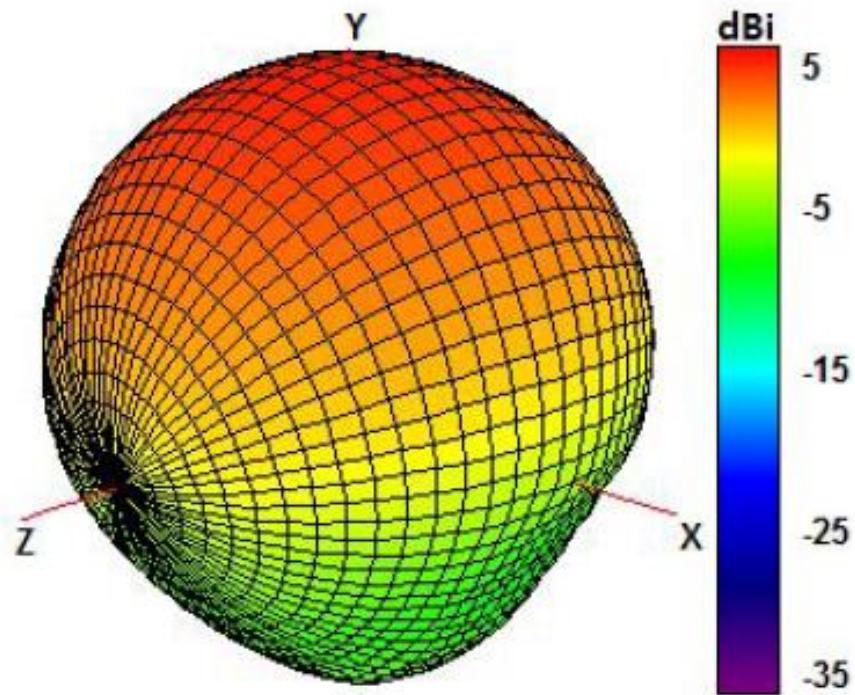
3. Antenna Parameters







Radiation pattern reference



1621 MHz Radiation pattern