

AMC-ANTEIRCP36X4-11

Type Iridium Ceramic Passive Patch Antenna

Features

- Iridium
 - 1616 – 1627MHz
- Through hole mount
- Ground plane dependent
- Dimensions – 36 x 36 x 4mm



Certifications:



Alpha Micro UK: Tel: +44 1256 851770 | email: sales@alphamicro.net
www.alphamicro.net



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
Polarisation	RHCP
Radiation Pattern	Hemispherical

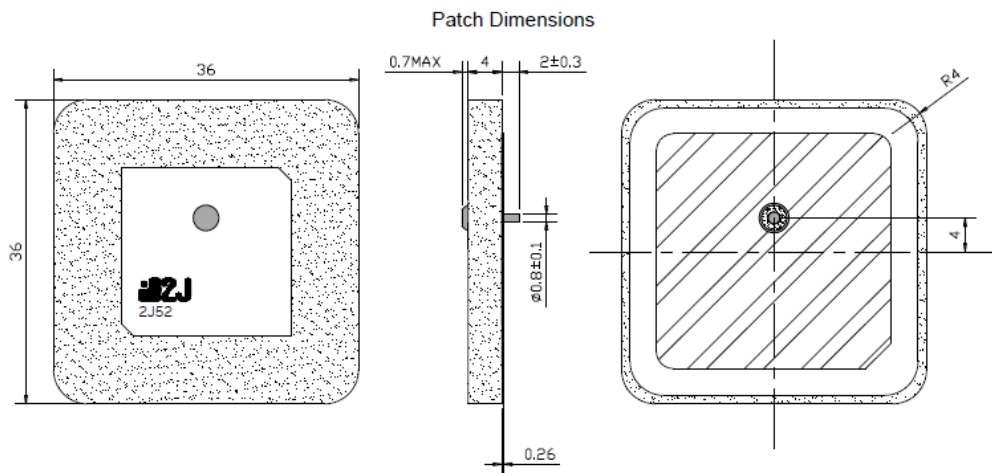
Measurement Conditions:

Mounted on 70mm x 70mm ground plane

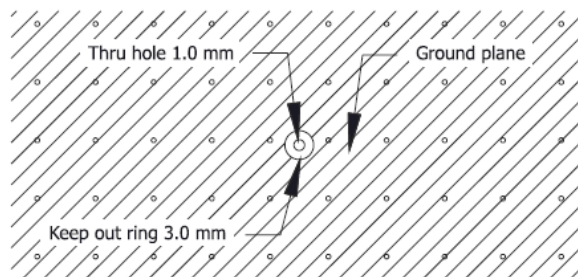
Measured in certified CTIA 3D anechoic chamber

2. Mechanical and Environmental Specifications

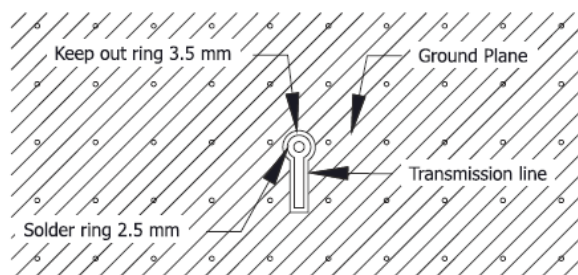
Mounting Type	Through hole mount
Adhesive	Nitto 5000NS
Dimensions (mm)	36 x 36 x 4
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



Layout for top layer

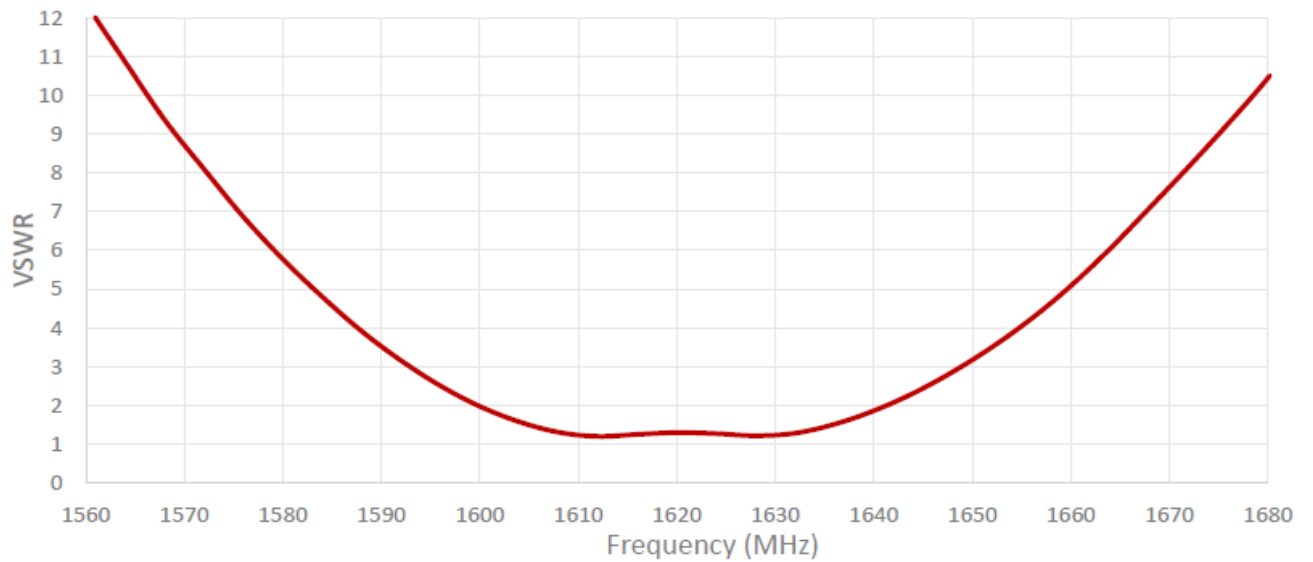
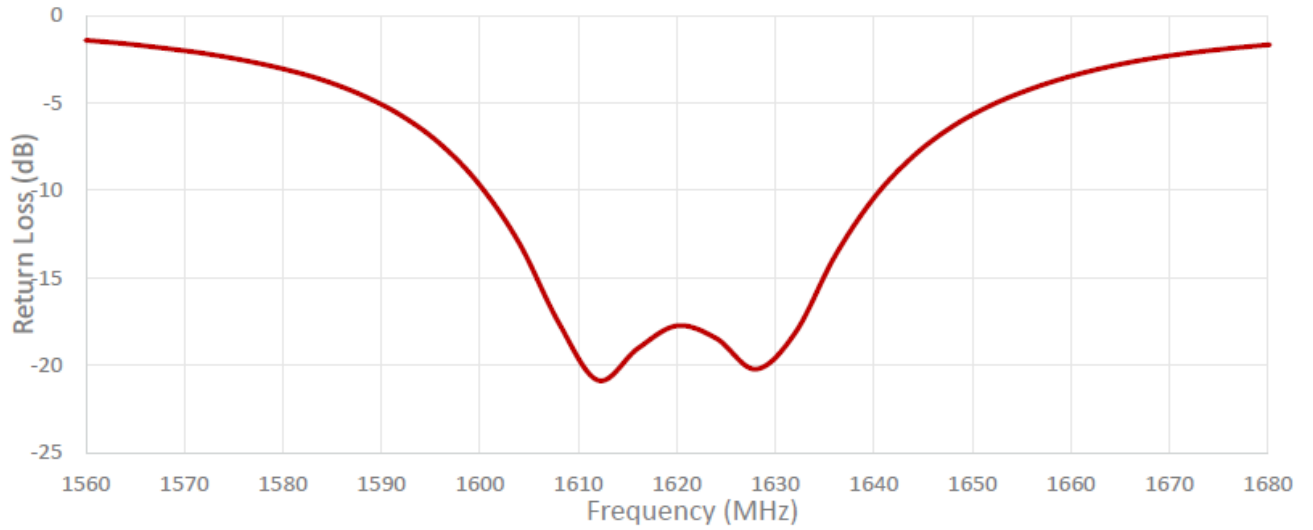


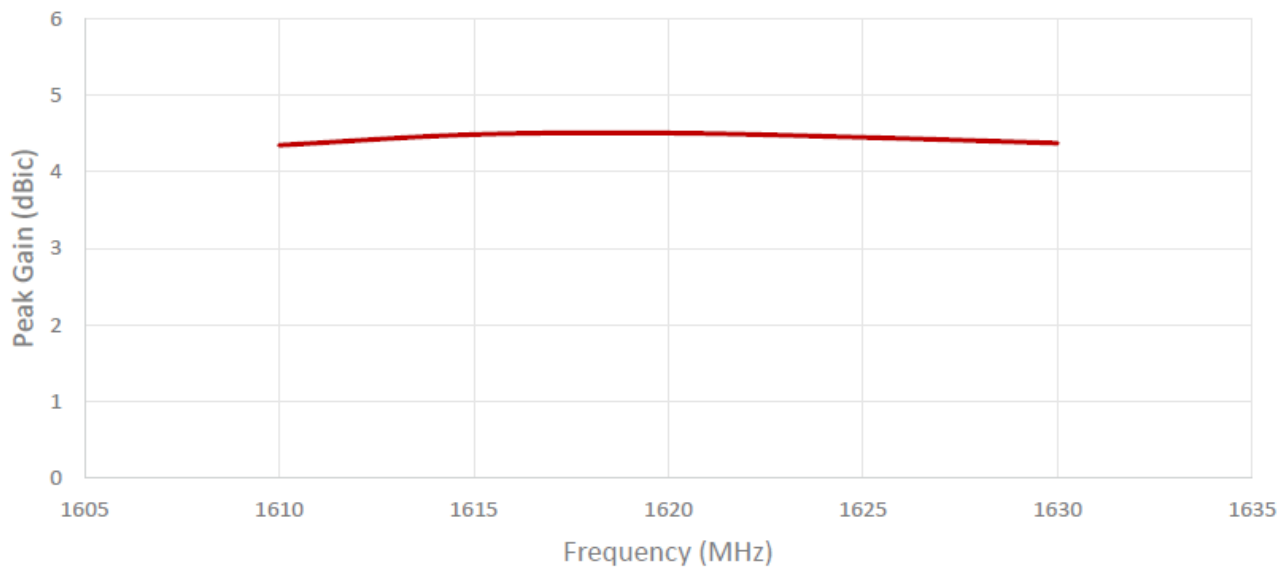
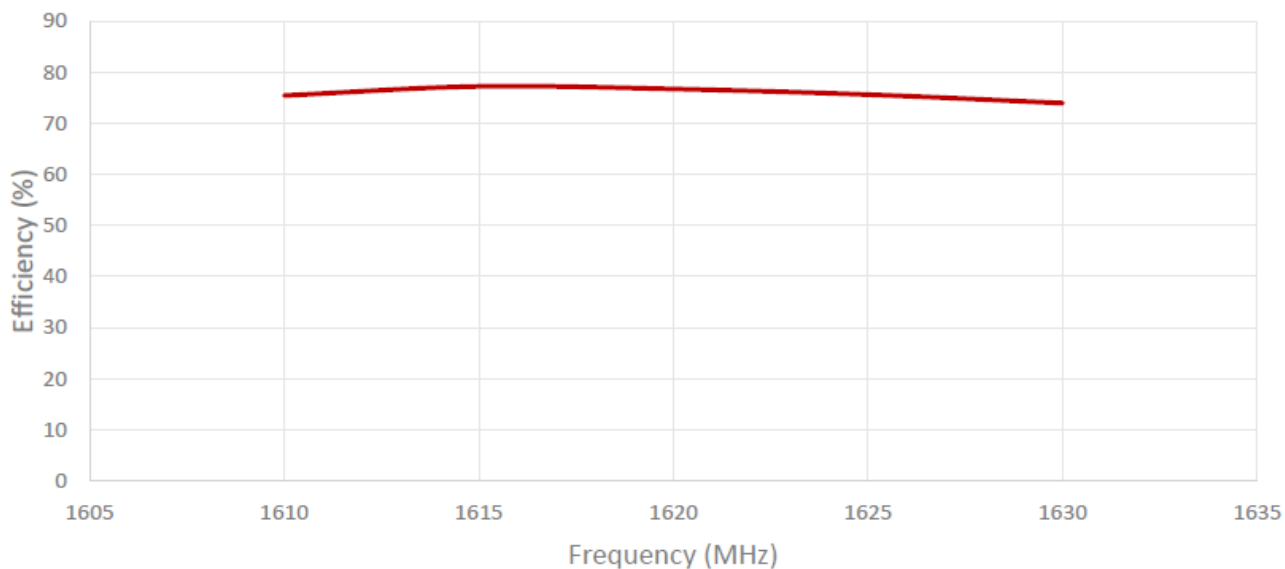
Layout for bottom layer

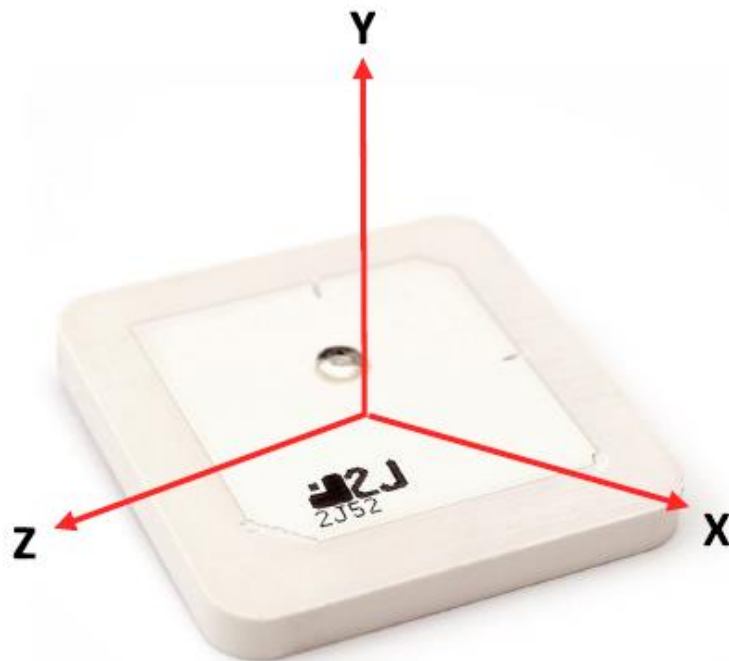
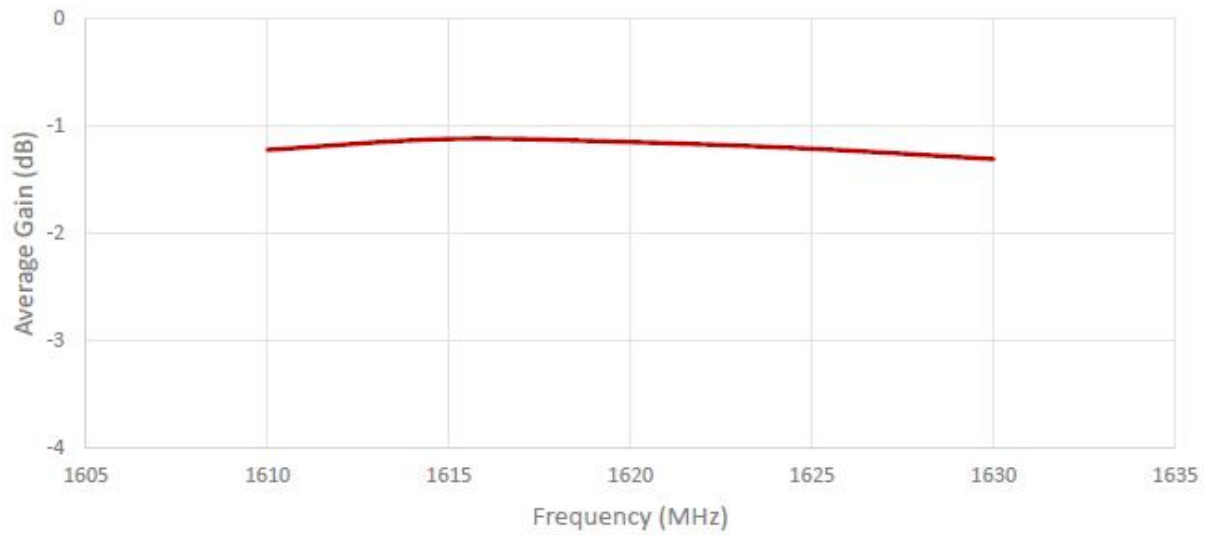




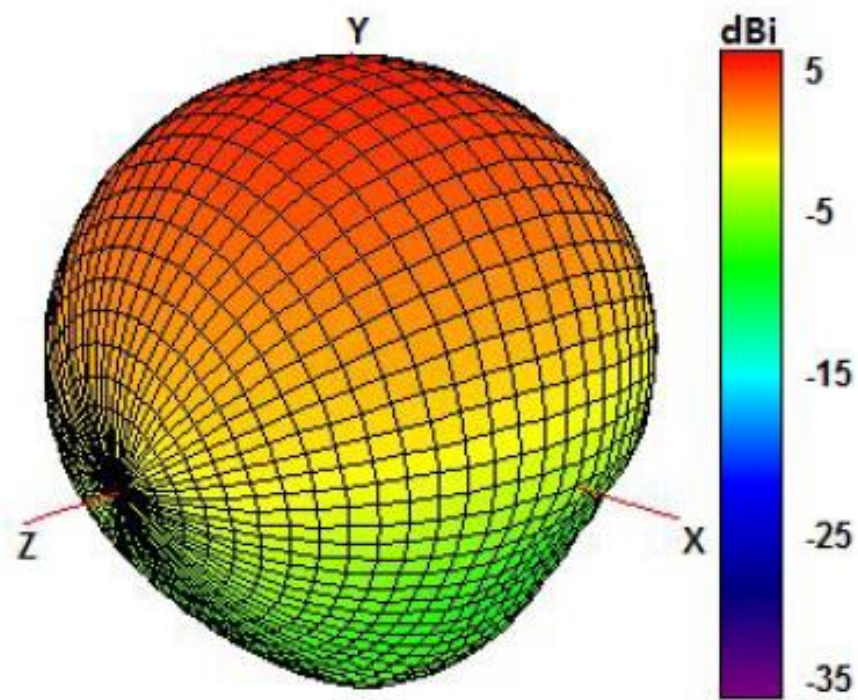
3. Antenna Parameters







Radiation pattern reference



1621 MHz Radiation pattern