

# 2JCP2542601a

IRIDIUM Ceramic Thru-Hole Mount

## Key Features

### IRIDIUM

- 1616-1627 MHz

Thru-Hole Mount

Ground Plane Independent

Dimensions 25 x 25 x 4 mm

Please check our Development Kit

**2JDK0226a-A28**



## 1. Antenna and electrical specifications

Parameters	IRIDIUM Ceramic Thru-Hole Mount Antenna
<b>Standards</b>	Iridium
<b>Bands (MHz)</b>	1621
<b>Frequency (MHz)</b>	1616-1627
<b>Return Loss (dB)</b>	~28.0
<b>VSWR</b>	~1.1:1
<b>Efficiency (%)</b>	~82.3
<b>Peak Gain (dBi)</b>	~5.1
<b>Average Gain (dB)</b>	~-.8
<b>Impedance (Ohms)</b>	50
<b>Axial Ratio (dB)</b>	3 max
<b>Radiation Pattern</b>	Hemispherical
<b>Polarization</b>	RHCP

### Antenna Measurement Conditions:

Free Space

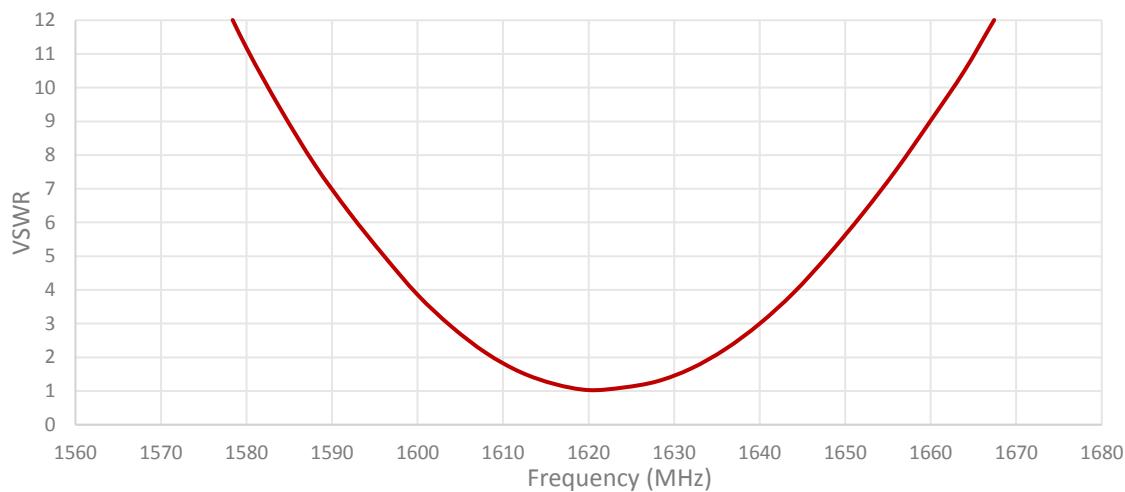
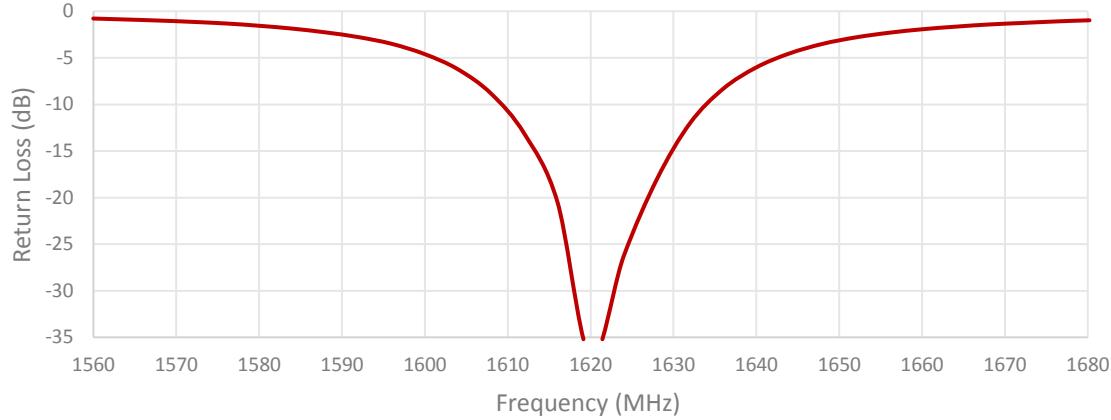
Mounted on Ground Plane of 70 x 70 mm

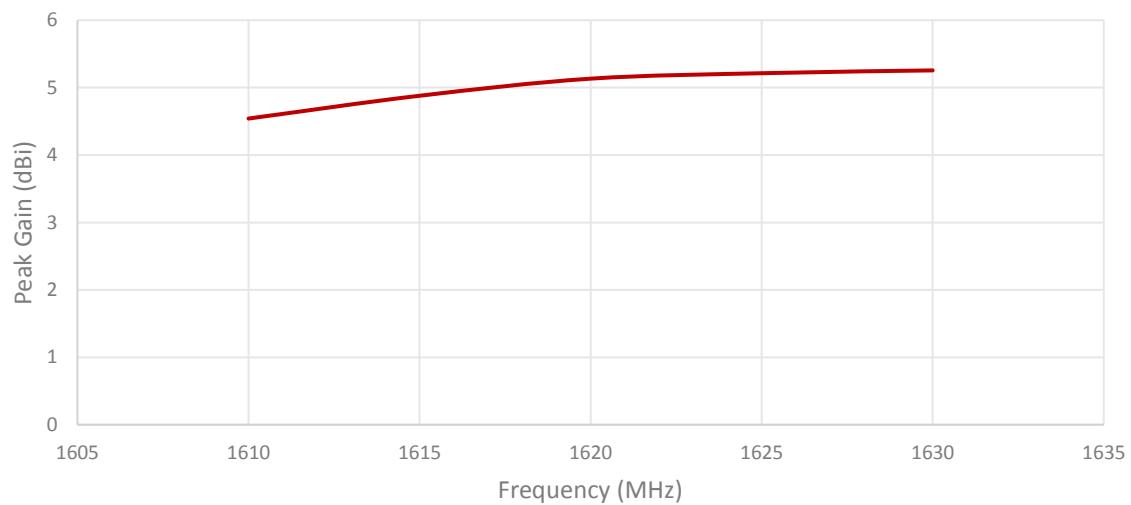
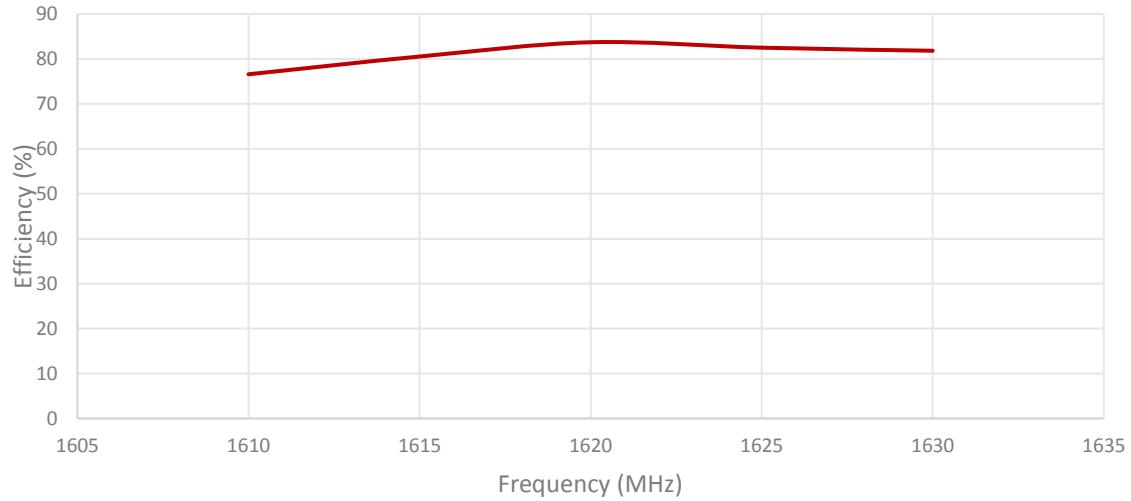
Measured in Certified CTIA 3D Anechoic Chamber

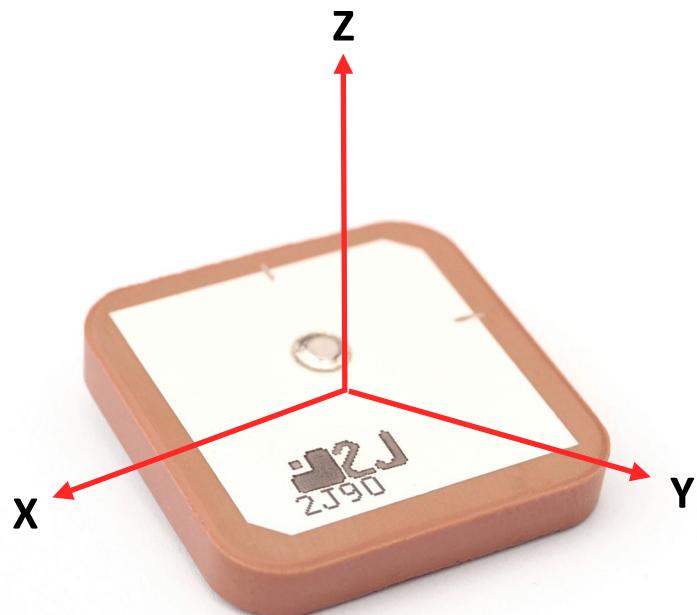
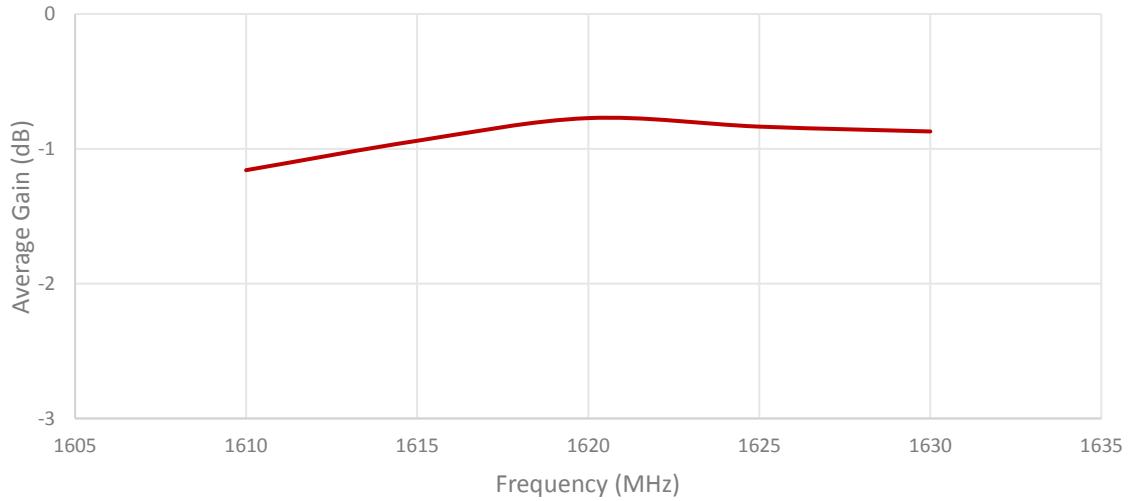
## 2. Mechanical and environmental specifications

Specifications	2JCP2542601a
<b>Mounting Type</b>	Thru-Hole Mount
<b>Dimensions (mm)</b>	25 x 25 x 4
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

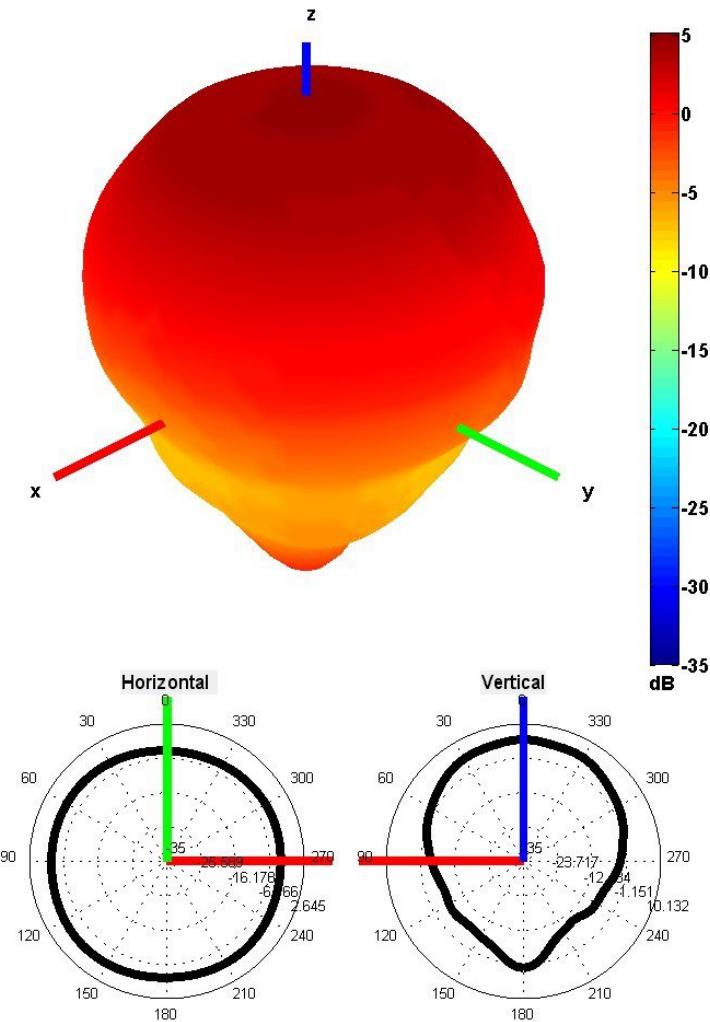
### 3. Antenna parameters





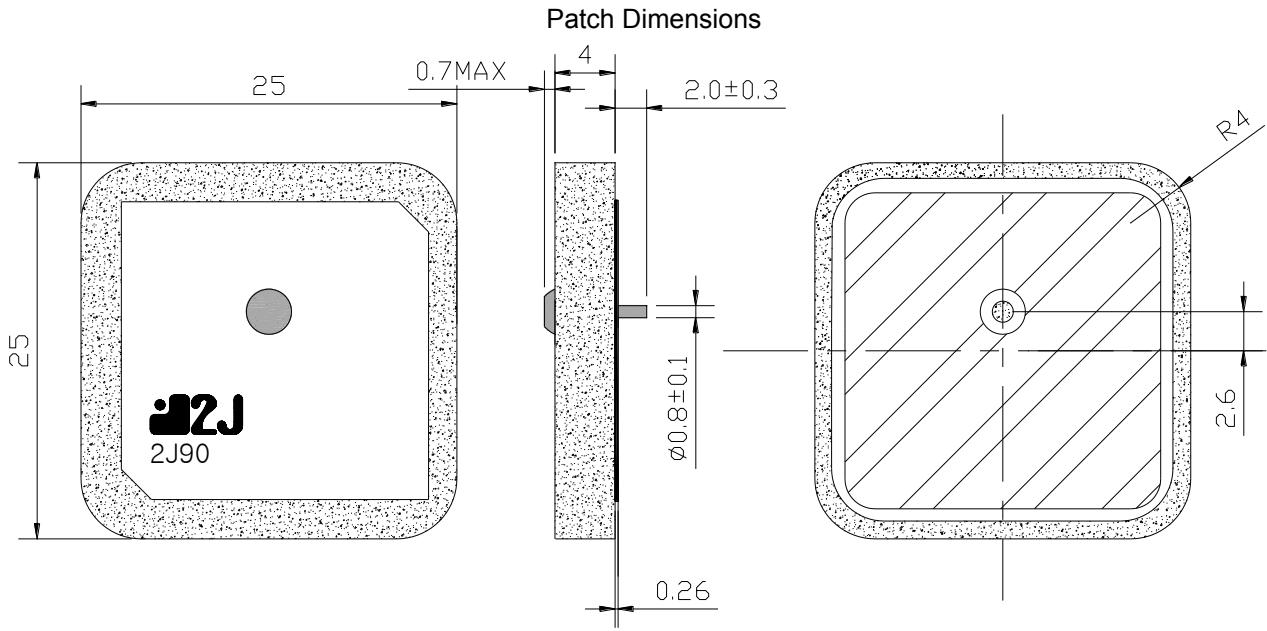


Radiation pattern reference

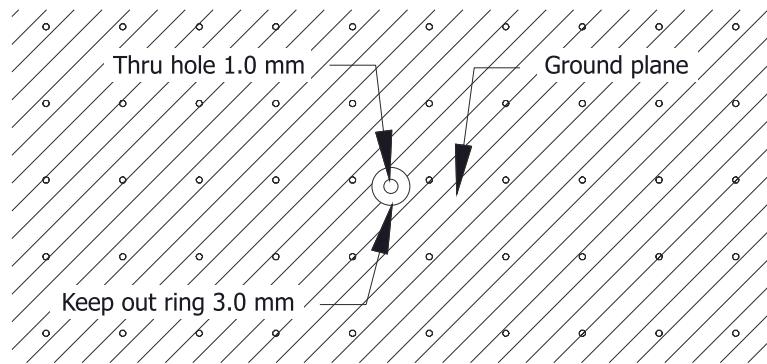


1621 MHz Radiation pattern

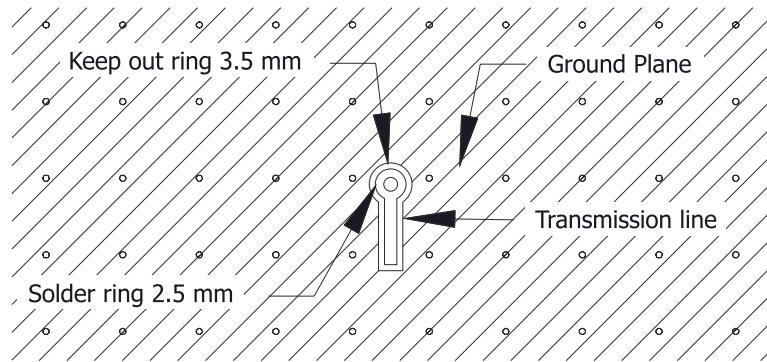
## 4. Antenna drawings



Layout for top layer



Layout for bottom layer



## 5. Antenna Images

