

## 2JDK0126a-C104N

### IRIDIUM Ceramic Thru-Hole Mount Development Kit

#### Key Features

##### IRIDIUM

- 1616-1627 MHz

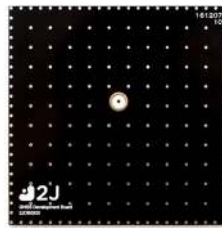
Set of 6 patches to try on devices

Thru-Hole Mount

High Gain

Ground Plane Independent

Patches Dimensions 36 x 36 x 4 mm



## 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>	2JCP3642601a (2J52)	1616-1627
	2JCP3642602a (2J53)	1621-1632
	2JCP3642603a (2J54)	1626-1637
	2JCP3642604a (2J55)	1631-1642
	2JCP3642605a (2J56)	1636-1647
	2JCP3642606a (2J57)	1641-1652
<b>Return Loss (dB)</b>	~-18.8	
<b>VSWR</b>	~1.2:1	
<b>Efficiency (%)</b>	~76	
<b>Peak Gain (dBiC)</b>	~4.5	
<b>Average Gain (dB)</b>	~-1.1	
<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

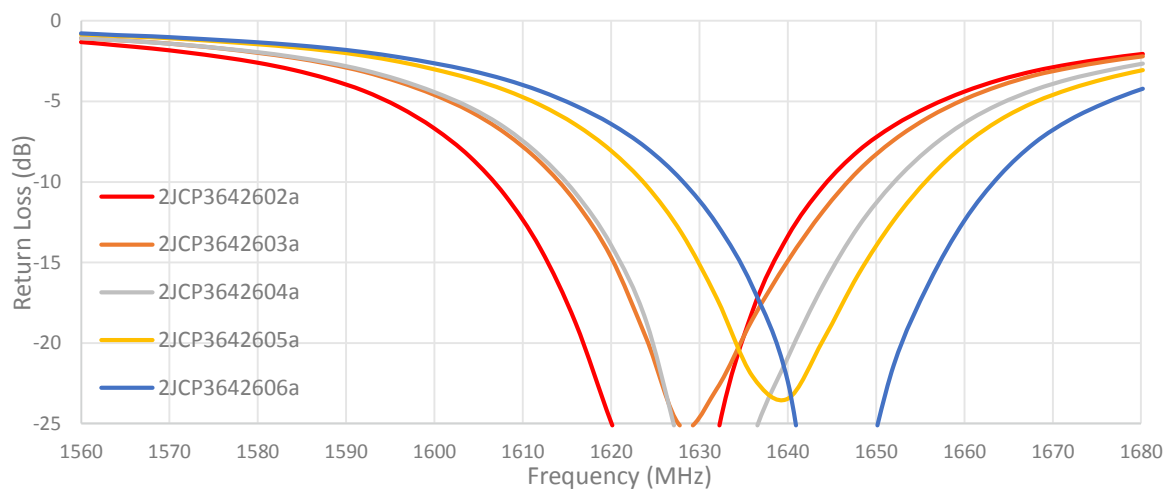
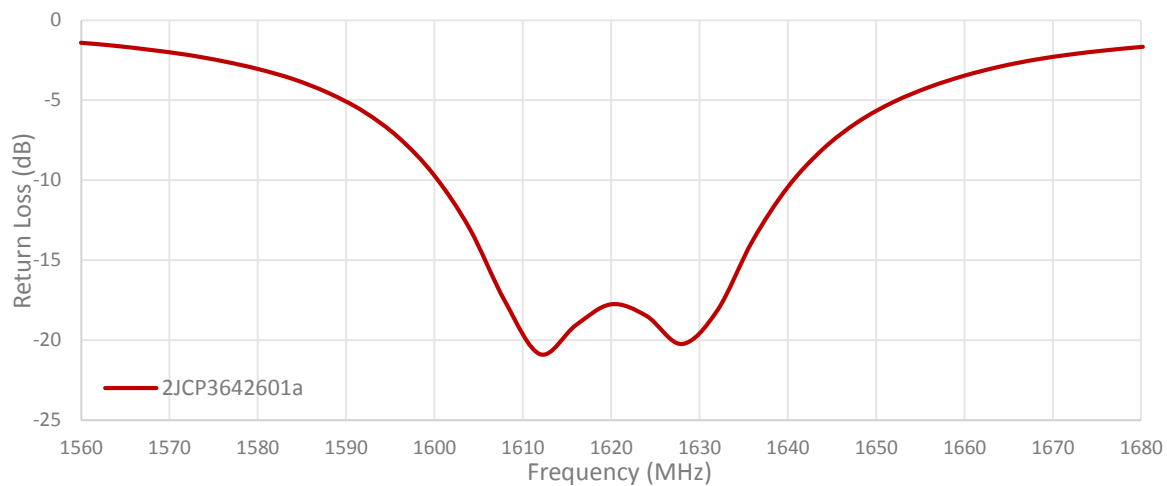
Mounted on Ground Plane of 70 x 70 mm

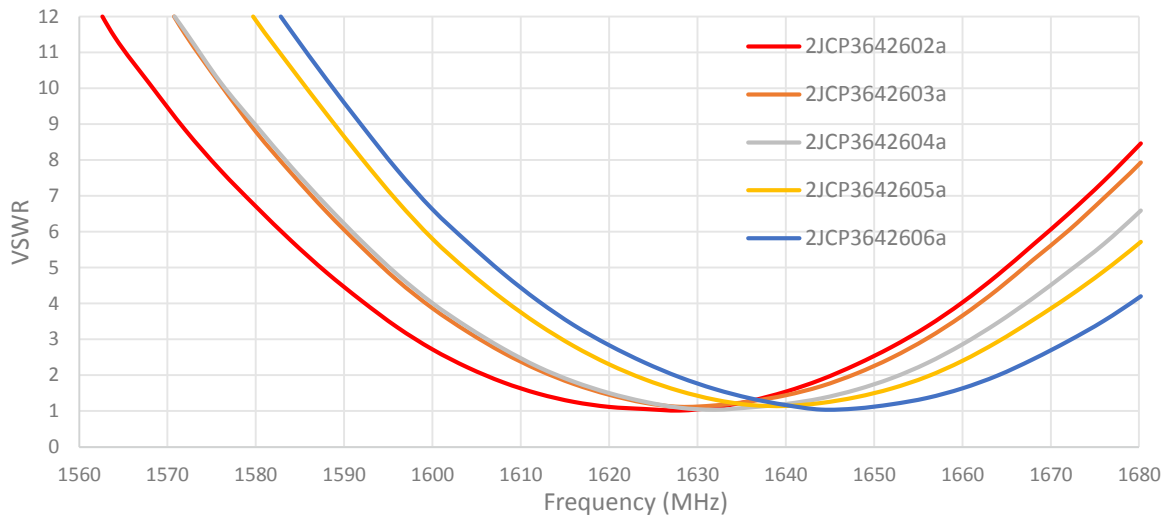
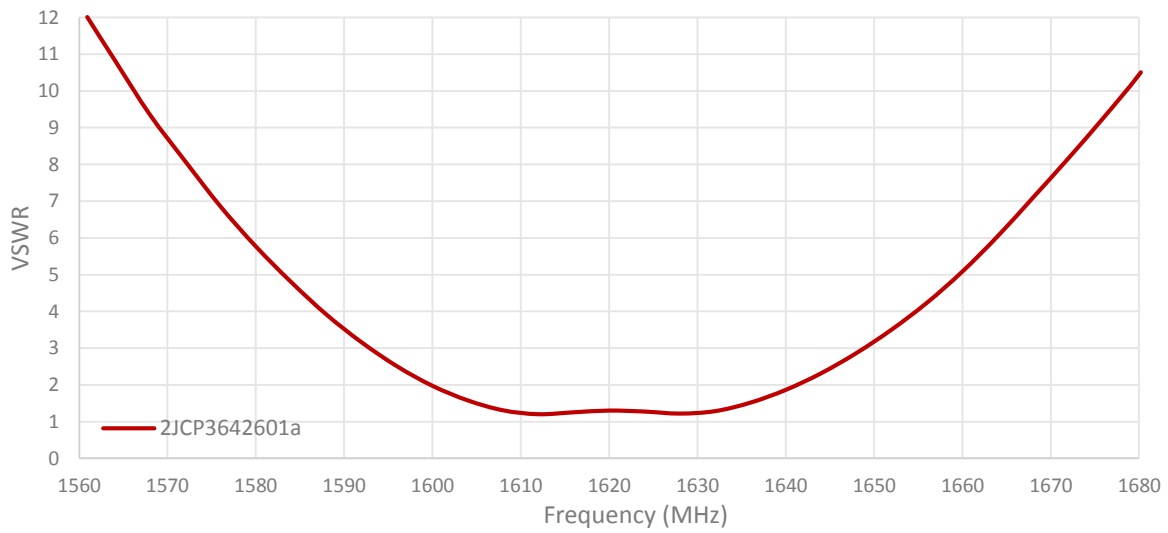
Measured in Certified CTIA 3D Anechoic Chamber

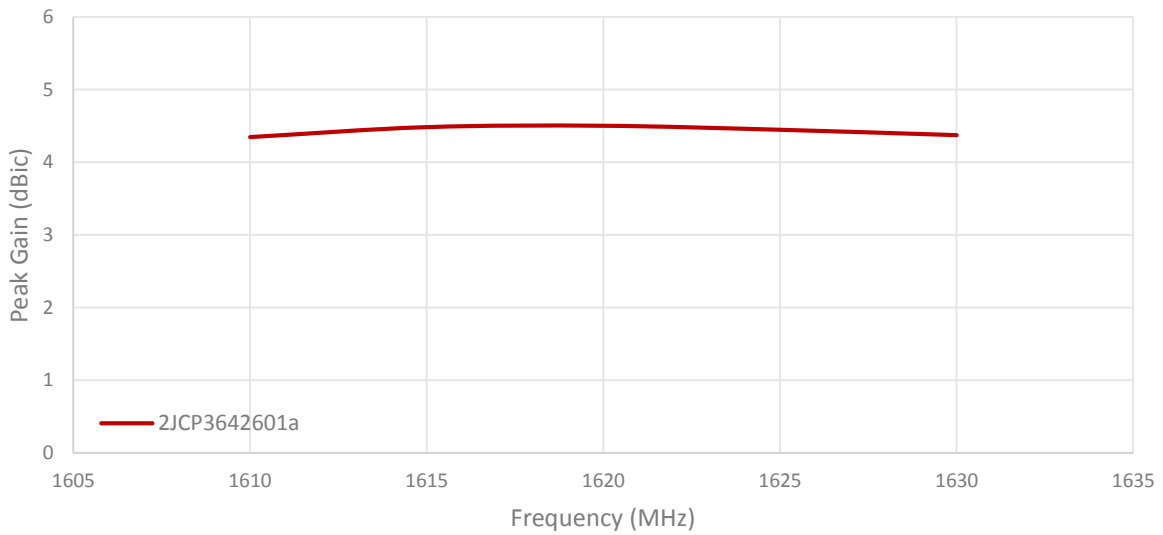
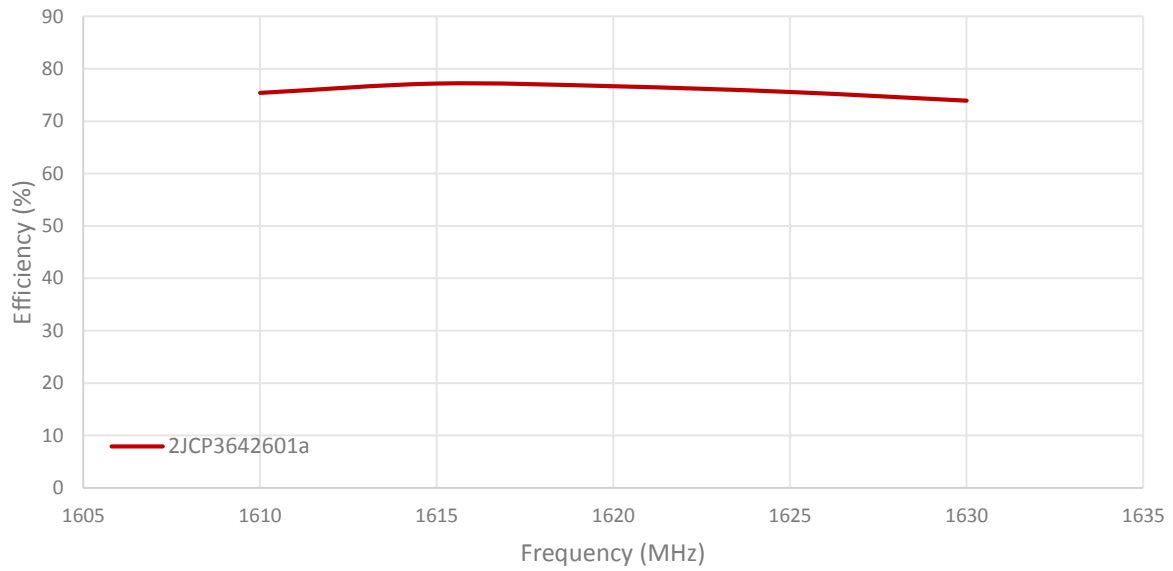
## 2. Mechanical and environmental specifications

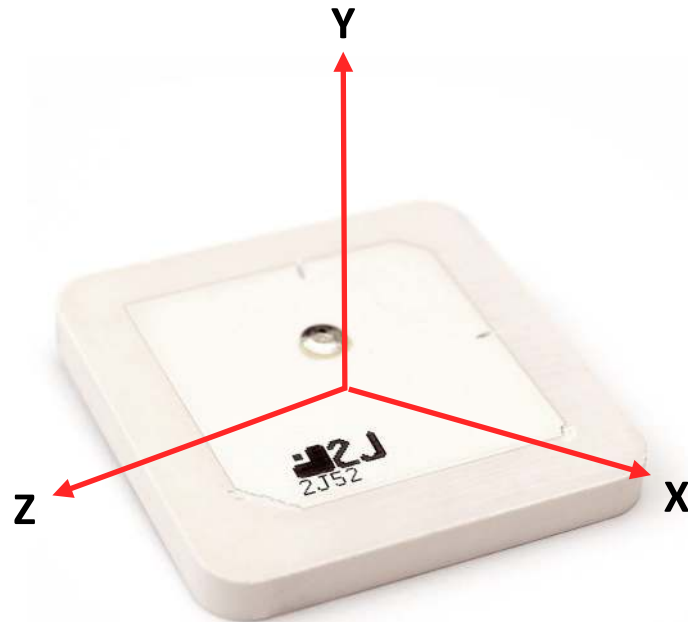
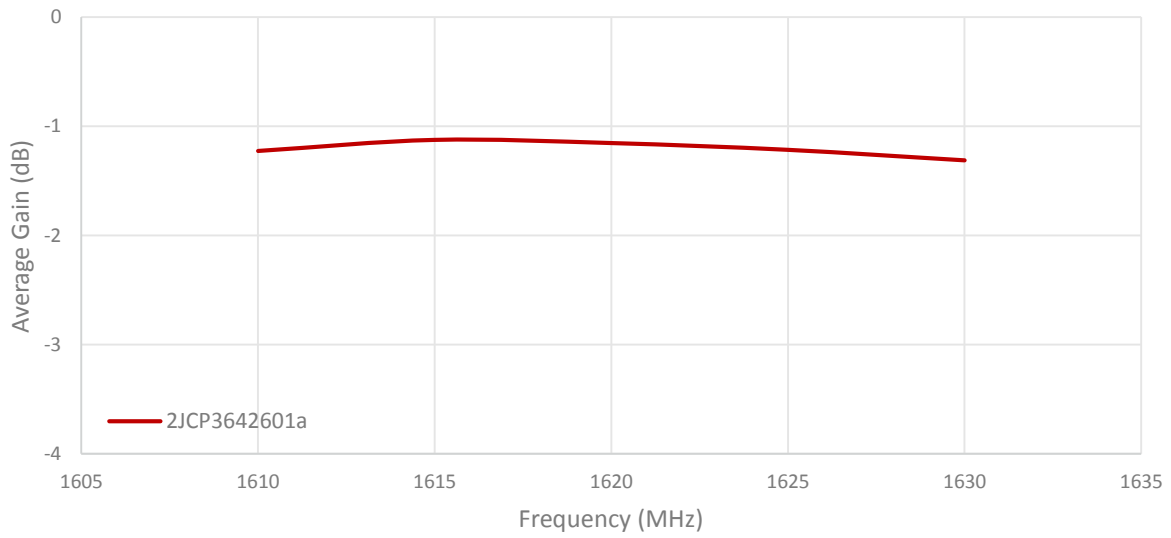
Specifications	2JCP3642601a
<b>Mounting Type</b>	Thru-Hole Mount
<b>Adhesive</b>	Nitto 5000NS
<b>Dimensions (mm)</b>	36 x 36 x 4
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

### 3. Antenna parameters

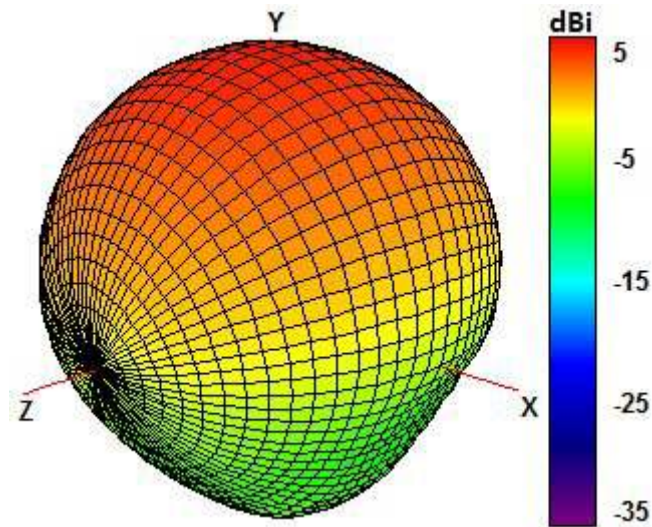






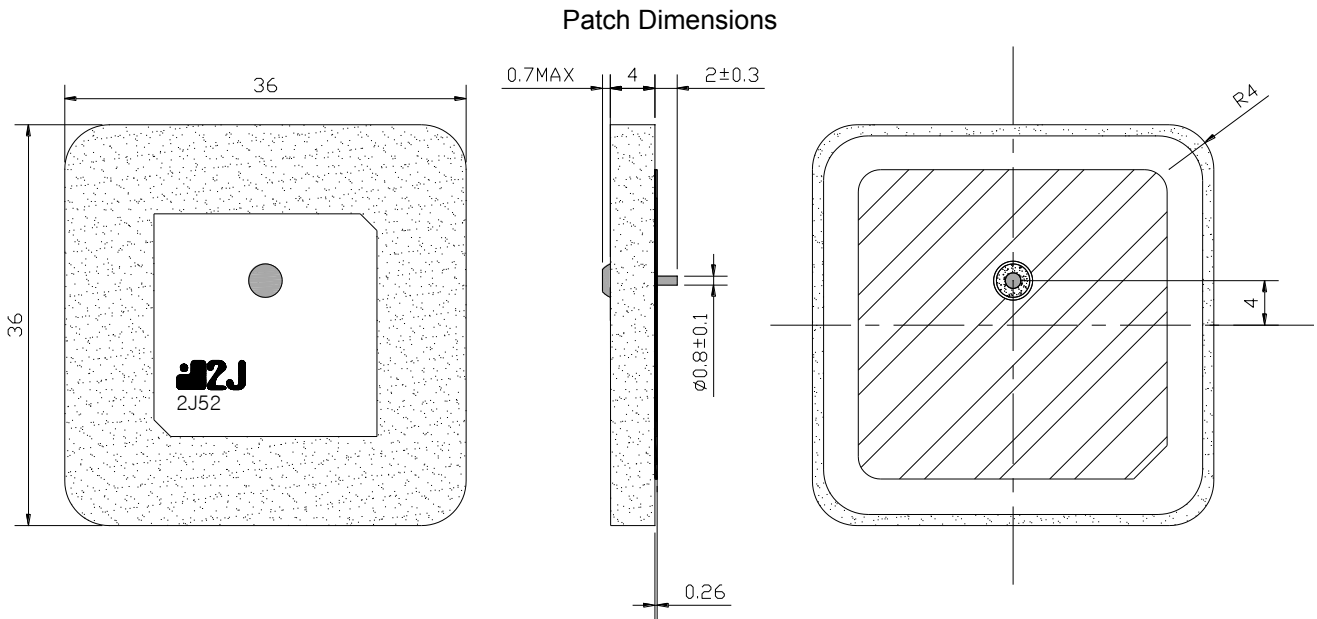


Radiation pattern reference

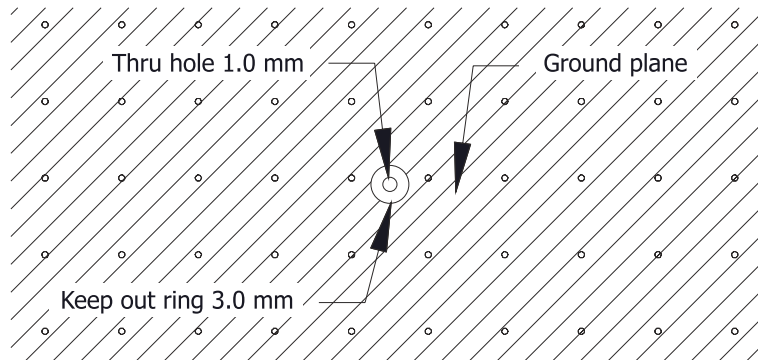


1621 MHz Radiation pattern

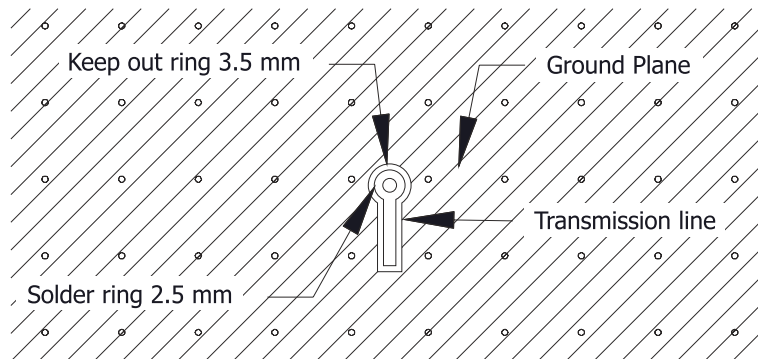
## 4. Antenna drawings



**Layout for top layer**

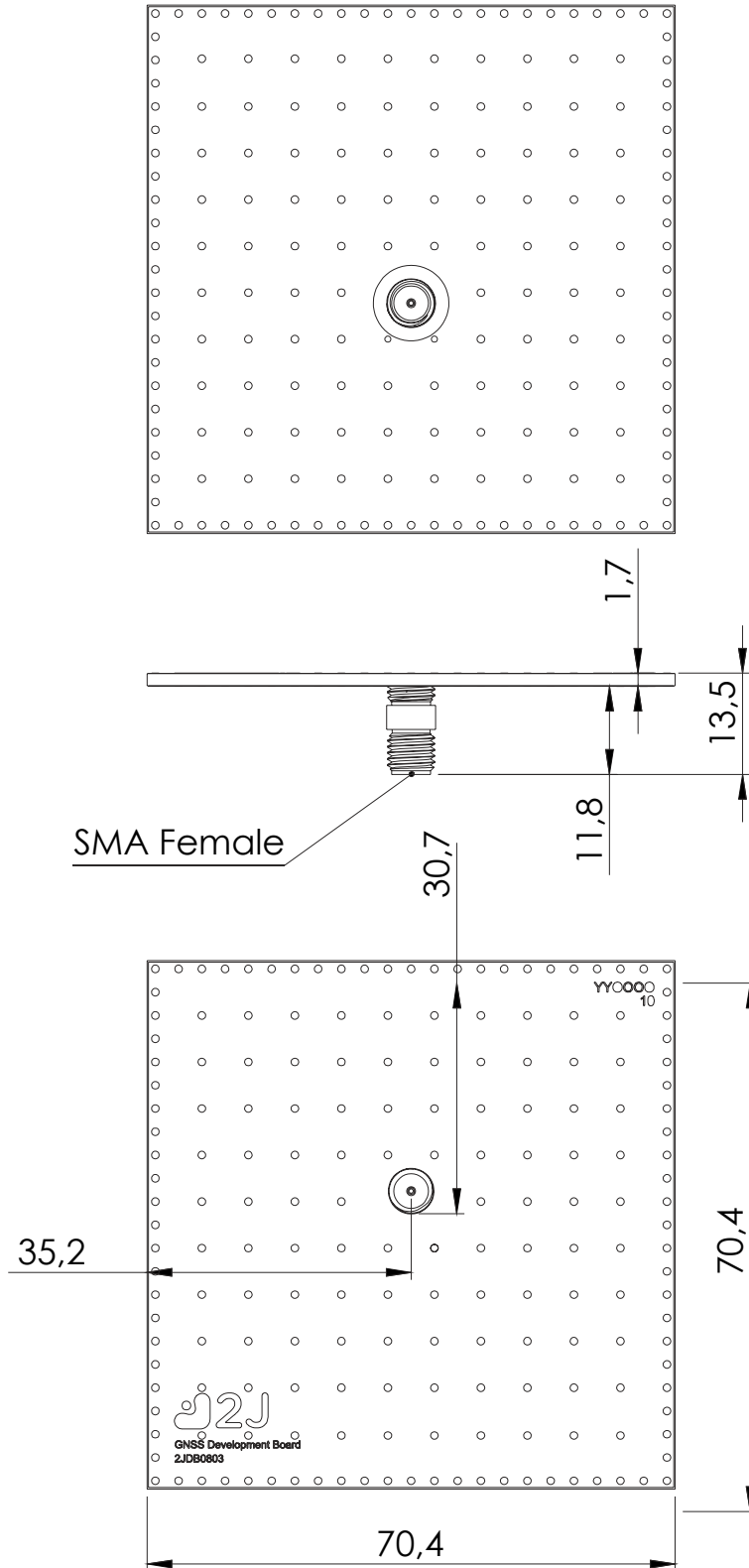


**Layout for bottom layer**





2JDB0803 Development board



## 5. Antenna Images

