

2JDK0126a-C104N

IRIDIUM Ceramic Thru-Hole Mount Development Kit

Key Features

IRIDIUM

- 1616-1627 MHz

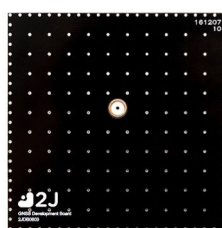
Set of 6 patches to try on devices

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
Standards	IRIDIUM
Bands (MHz)	1621
Frequency (MHz)	2JCP3642601a (2J52) 1616-1627
	2JCP3642602a (2J53) 1621-1632
	2JCP3642603a (2J54) 1626-1637
	2JCP3642604a (2J55) 1631-1642
	2JCP3642605a (2J56) 1636-1647
	2JCP3642606a (2J57) 1641-1652
Return Loss (dB)	~-18.8
VSWR	~1.2:1
Efficiency (%)	~76
Peak Gain (dBiC)	~4.5
Average Gain (dB)	~-1.1
Impedance (Ohms)	50
Axial Ratio (dB)	3 max
Radiation Pattern	Hemispherical
Polarization	RHCP

Antenna Measurement Conditions:

Free Space

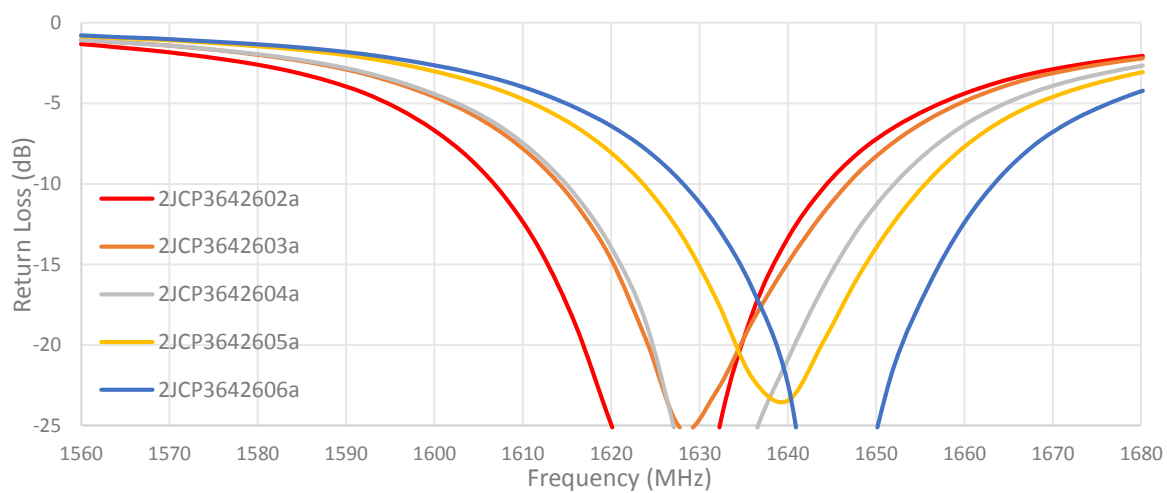
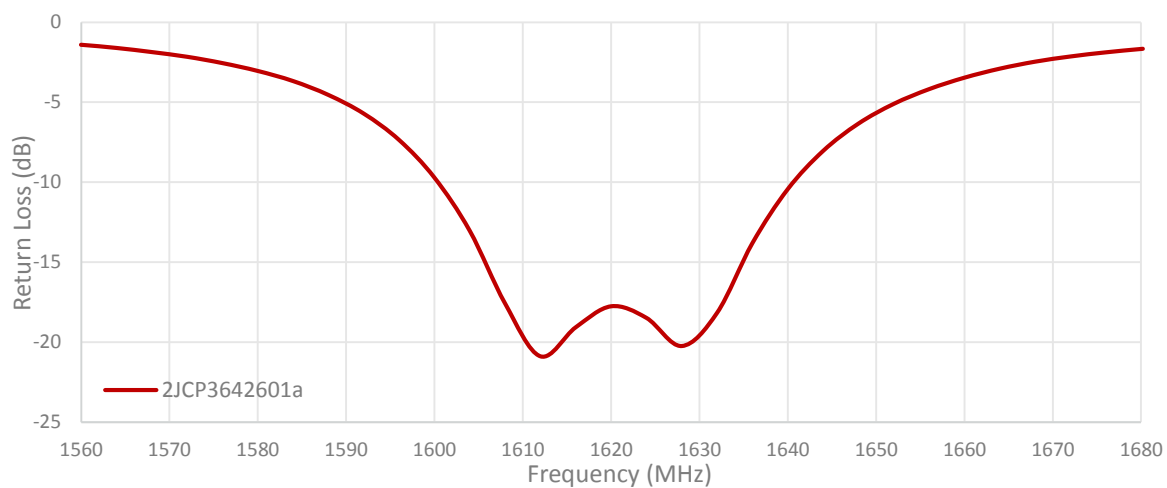
Mounted on Ground Plane of 70 x 70 mm

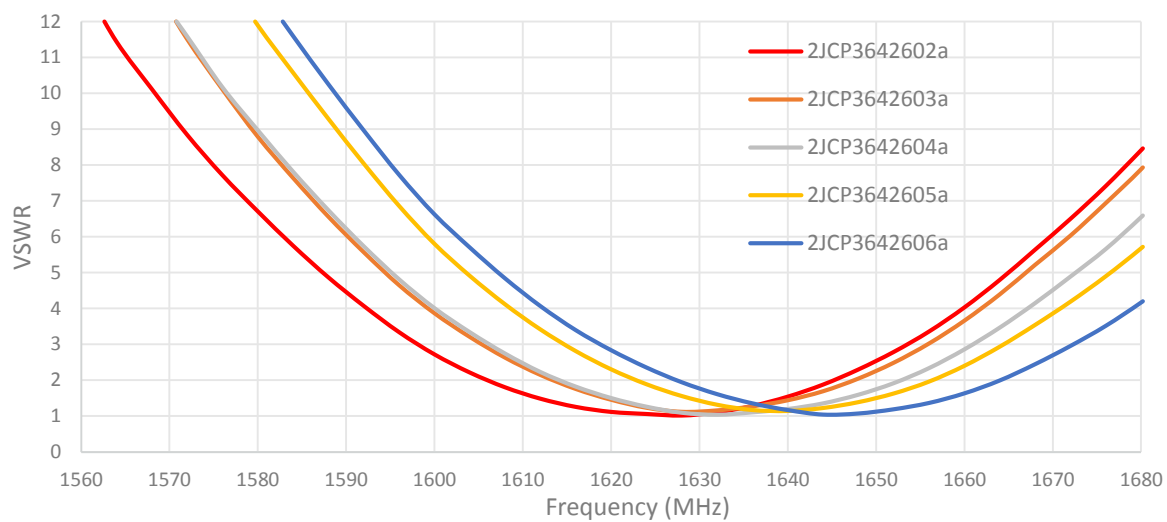
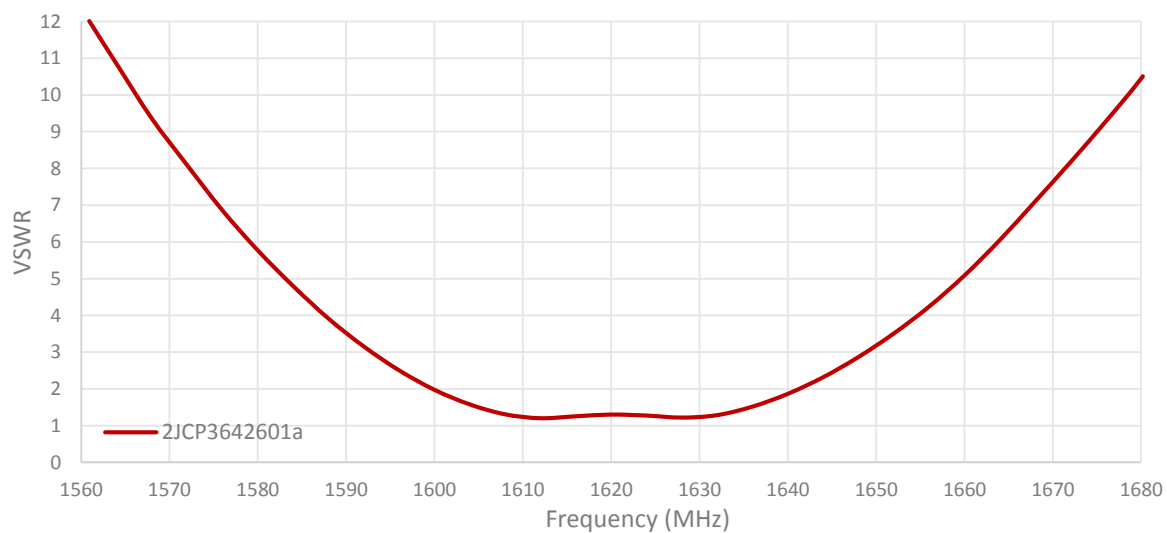
Measured in Certified CTIA 3D Anechoic Chamber

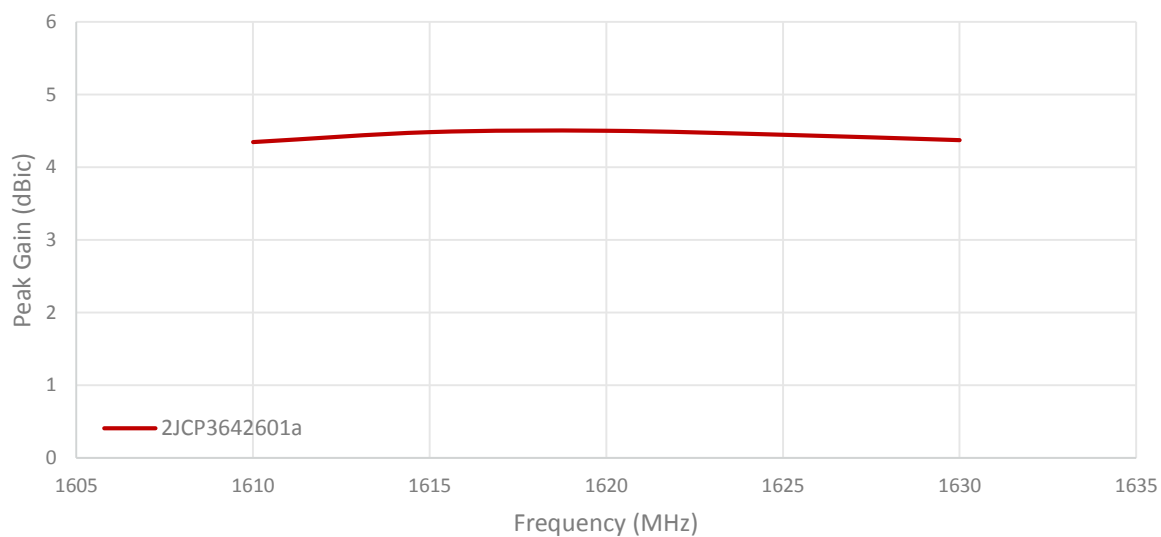
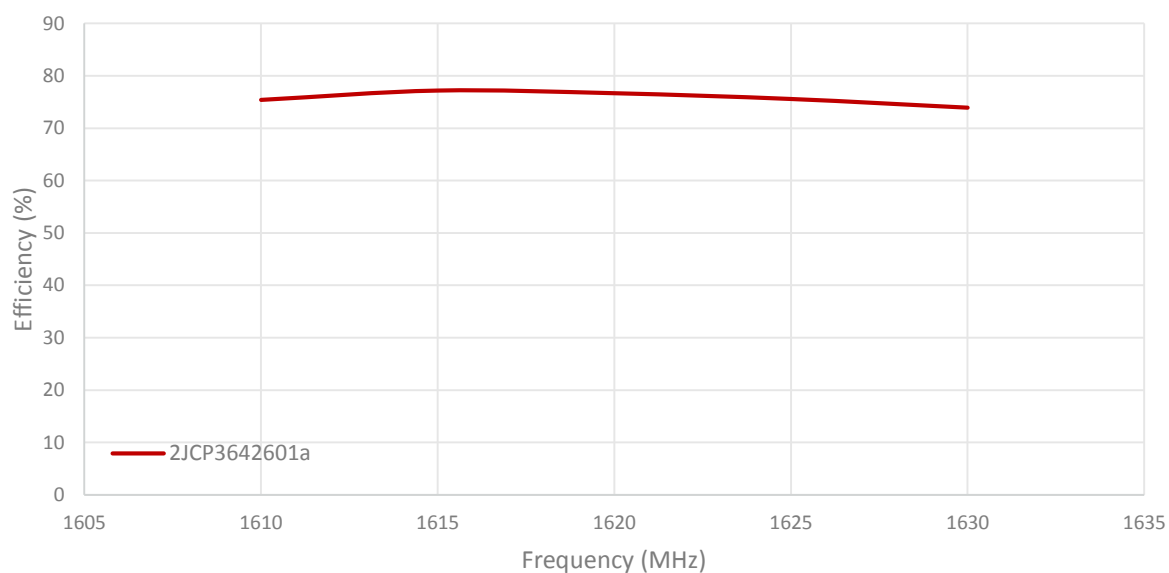
2. Mechanical and environmental specifications

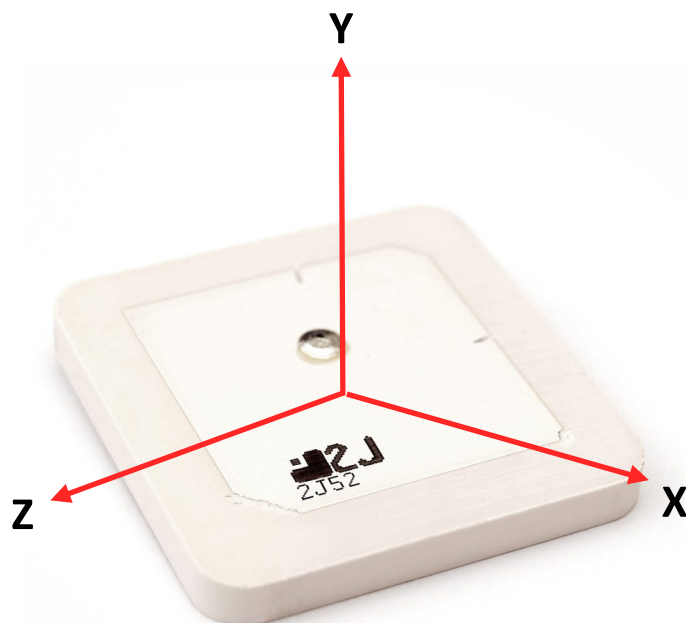
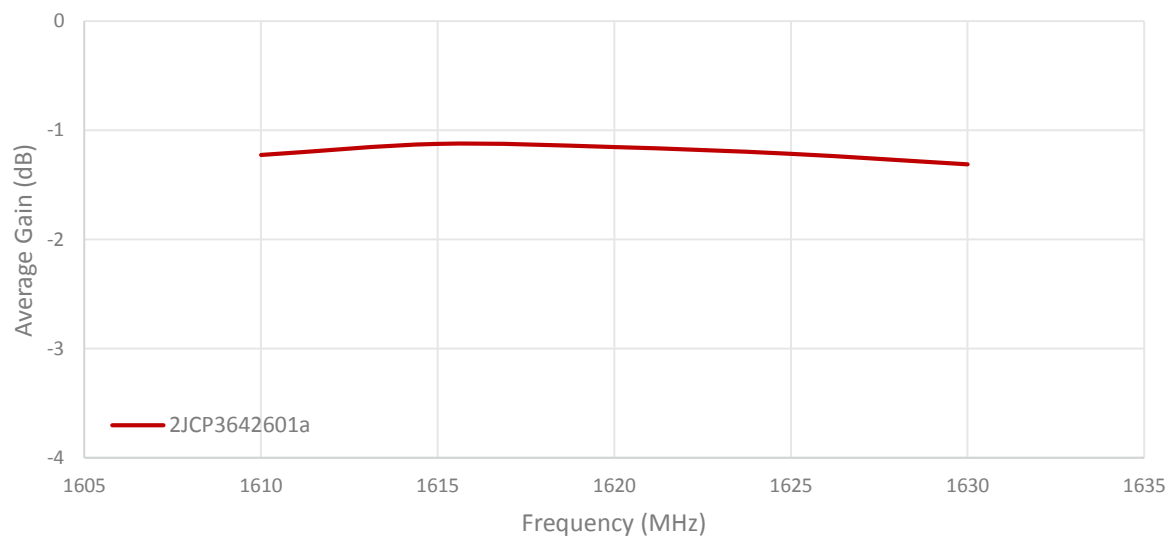
Specifications	2JCP3642601a
Mounting Type	Thru-Hole Mount
Adhesive	Nitto 5000NS
Dimensions (mm)	36 x 36 x 4
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

3. Antenna parameters

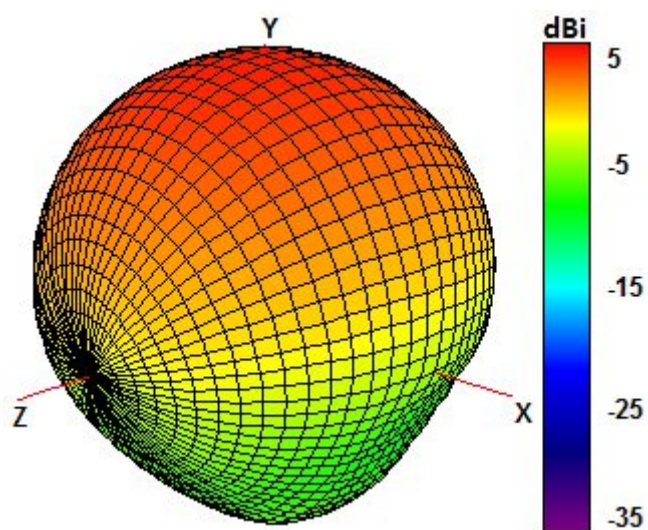






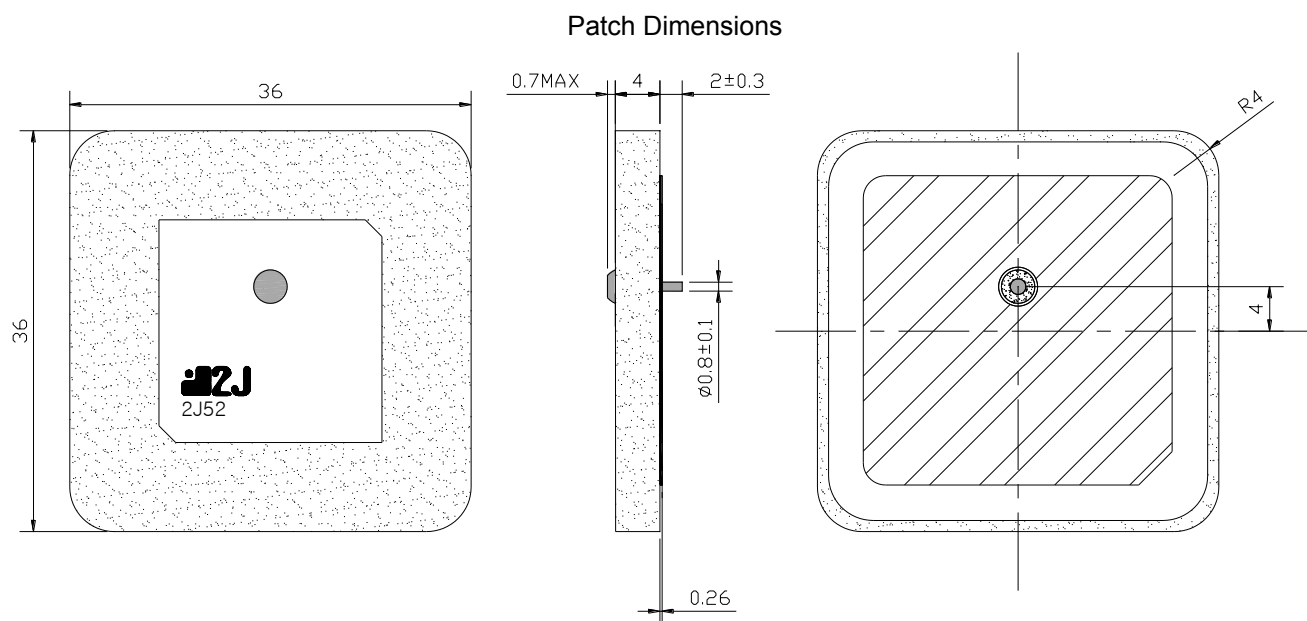


Radiation pattern reference

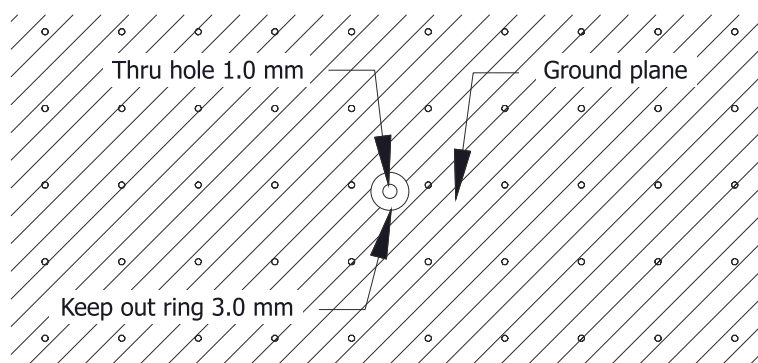


1621 MHz Radiation pattern

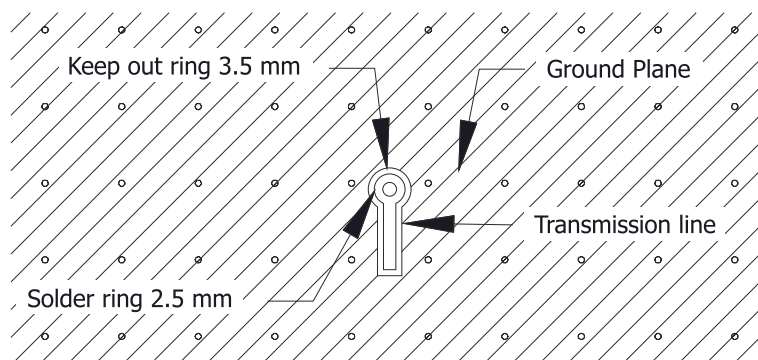
4. Antenna drawings



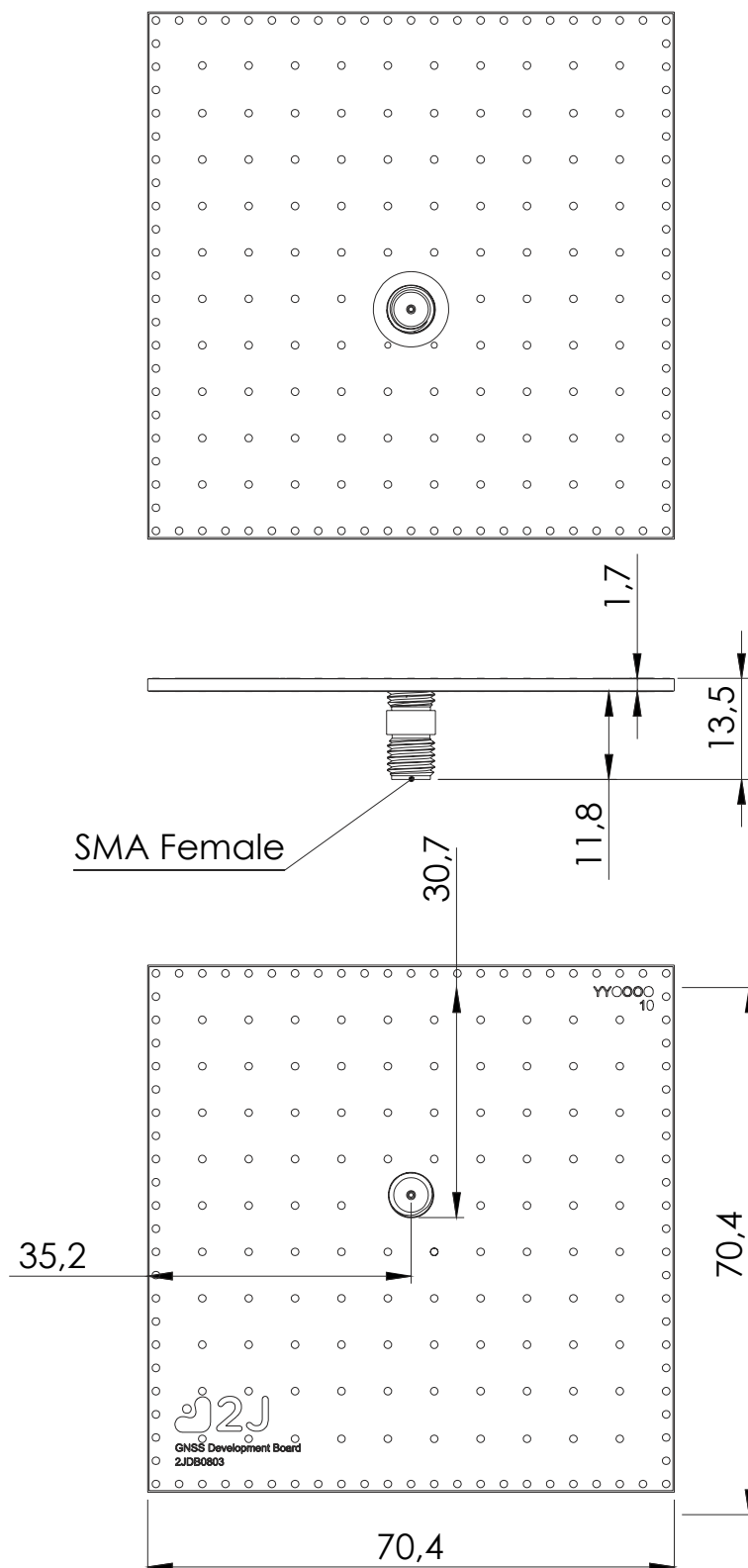
Layout for top layer



Layout for bottom layer



2JDB0803 Development board



5. Antenna Images

