

2JDK0226a-A28

IRIDIUM Ceramic Thru-Hole Mount Development Kit

Key Features

IRIDIUM

- 1616-1627 MHz

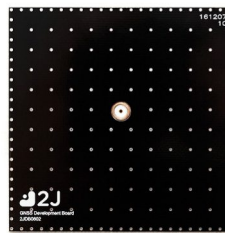
Set of 6 patches to try on devices

Thru-Hole Mount

High Gain

Ground Plane Independent

Patches Dimensions 25 x 25 x 4 mm



1. Antenna and electrical specifications

Parameters	IRIDIUM Ceramic Thru-Hole Mount Antenna	
Standards	IRIDIUM	
Bands (MHz)	1621	
Frequency (MHz)	2JCP2542601a (2J90)	1616-1627
	2JCP2542602a (2J91)	1621-1632
	2JCP2542603a (2J92)	1626-1637
	2JCP2542604a (2J93)	1631-1642
	2JCP2542605a (2J94)	1636-1647
	2JCP2542606a (2J95)	1641-1652
Return Loss (dB)	~-28.0	
VSWR	~1.1:1	
Efficiency (%)	~82.3	
Peak Gain (dBiC)	~5.1	
Average Gain (dB)	~-0.8	
Impedance (Ohms)	50	
Axial Ratio (dB)	3 max	
Radiation Pattern	Hemispherical	
Polarization	RHCP	

Antenna Measurement Conditions:

Free Space

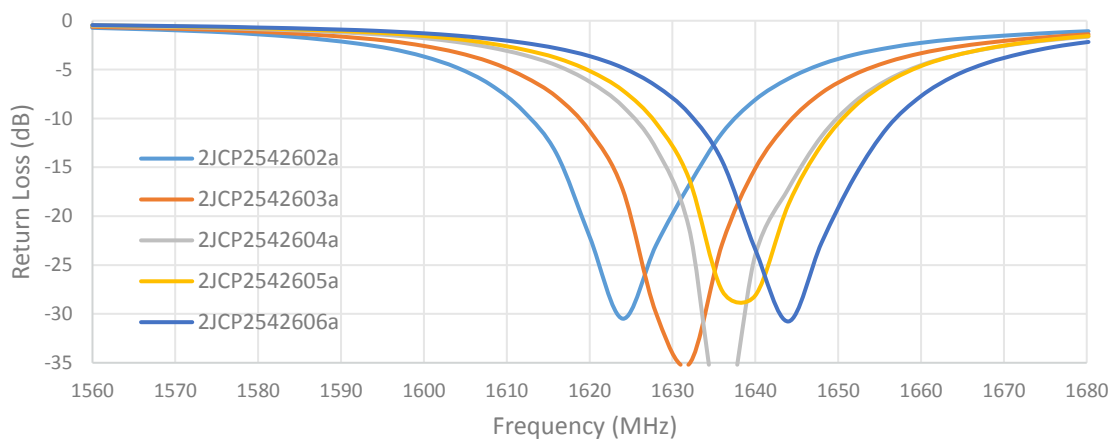
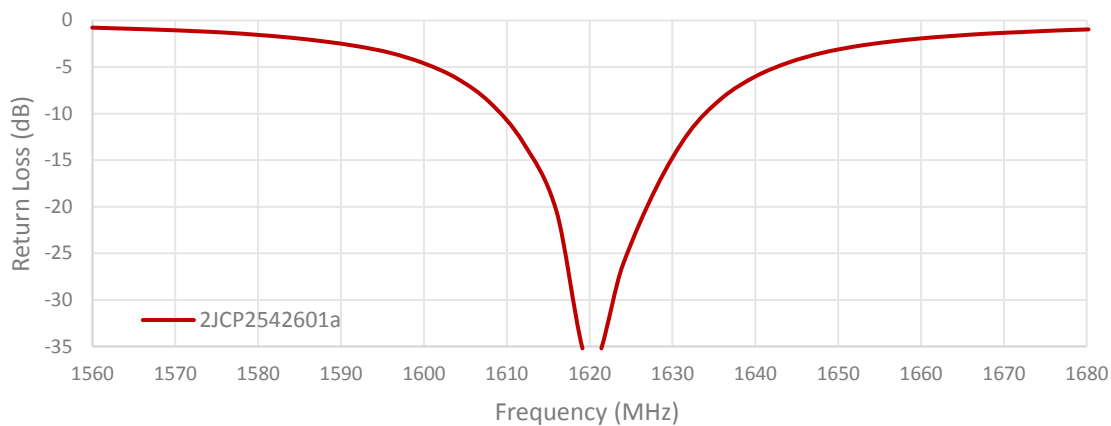
Mounted on Ground Plane of 70 x 70 mm

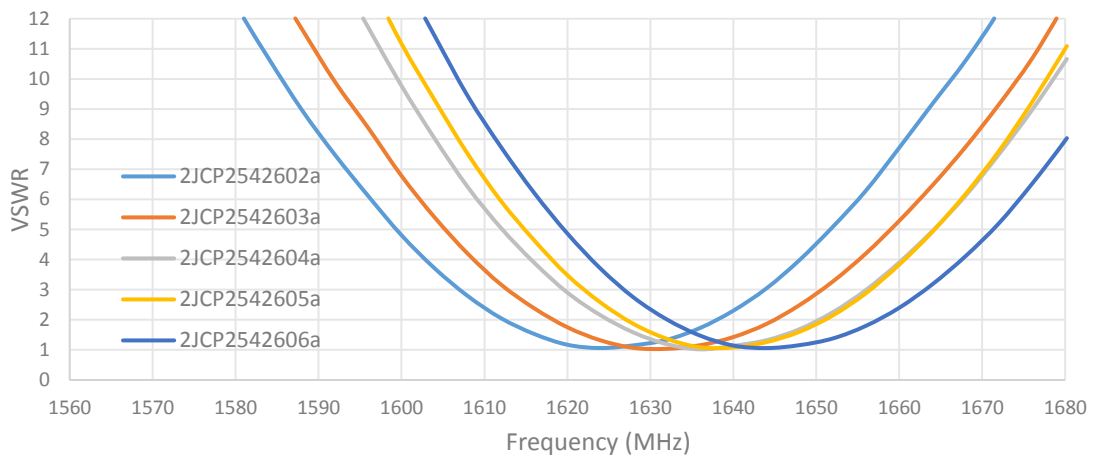
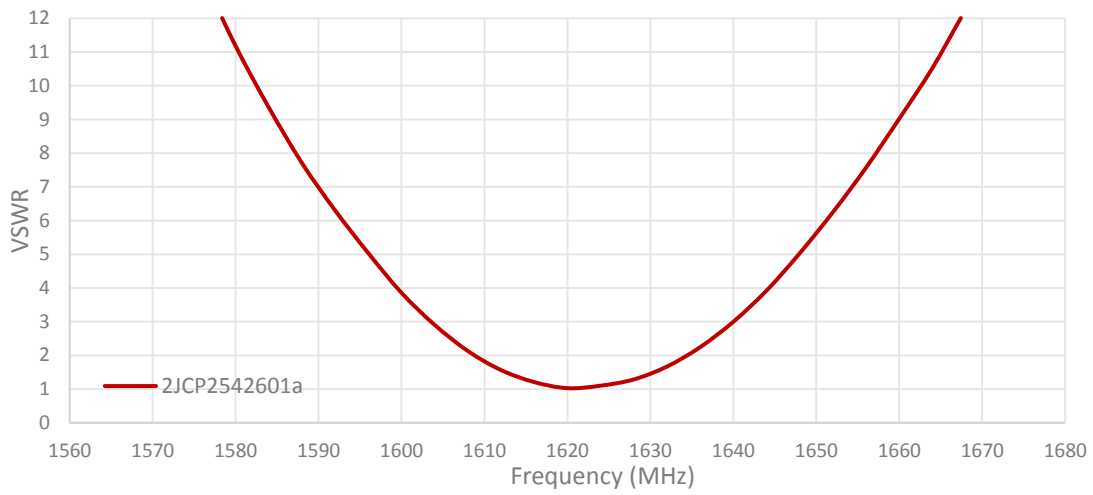
Measured in Certified CTIA 3D Anechoic Chamber

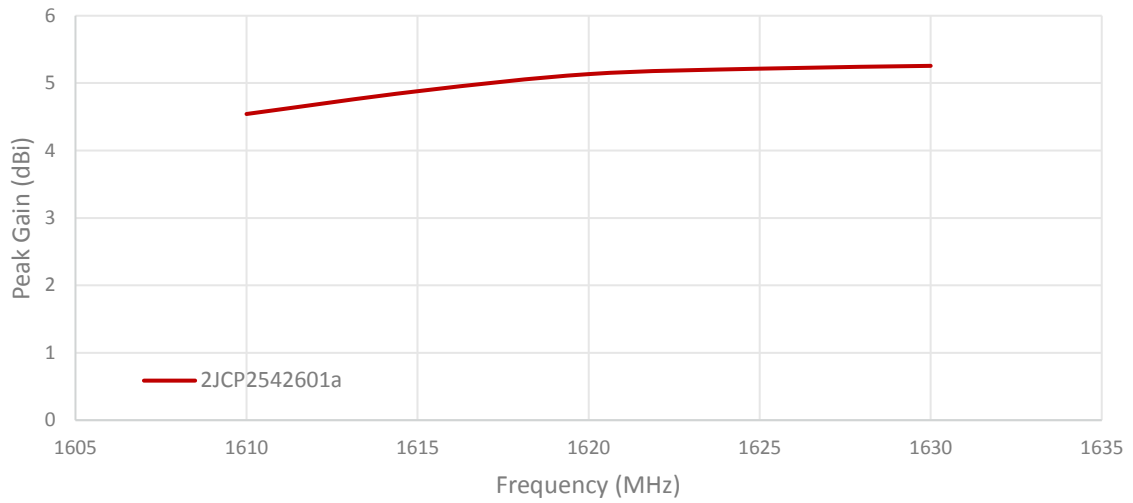
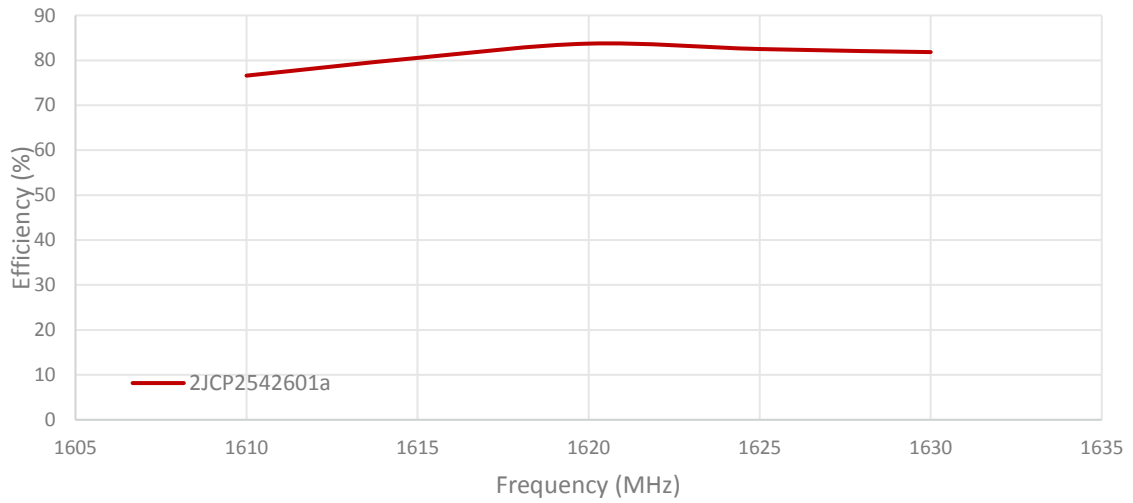
2. Mechanical and environmental specifications

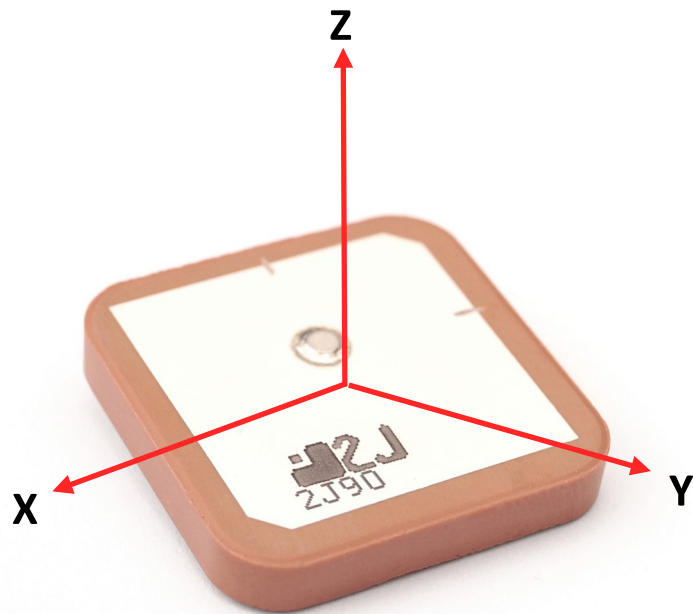
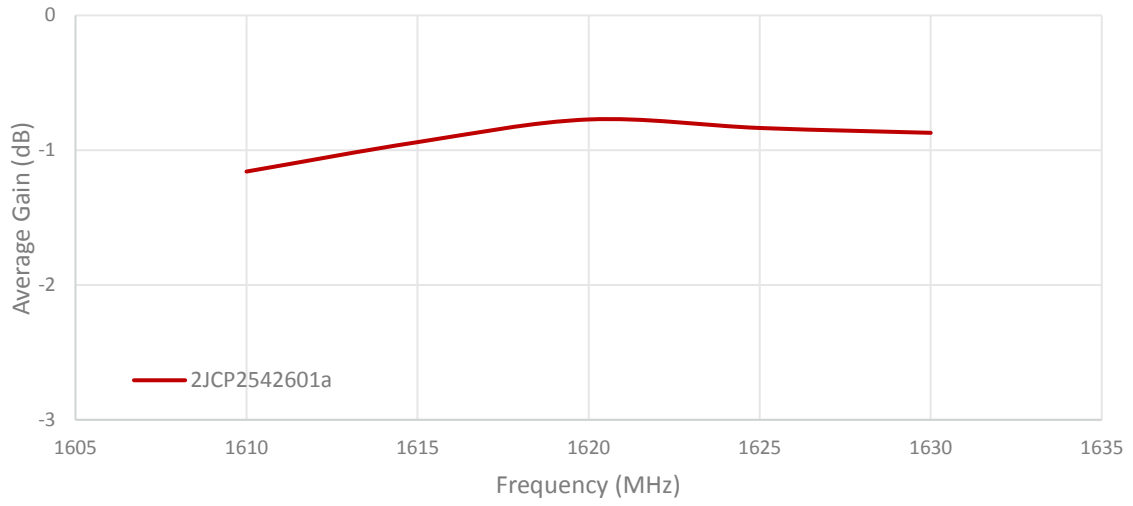
Specifications	2JCP2542601a
Mounting Type	Thru-Hole Mount
Adhesive	Nitto 5000NS
Dimensions (mm)	25 x 25 x 4
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

3. Antenna parameters

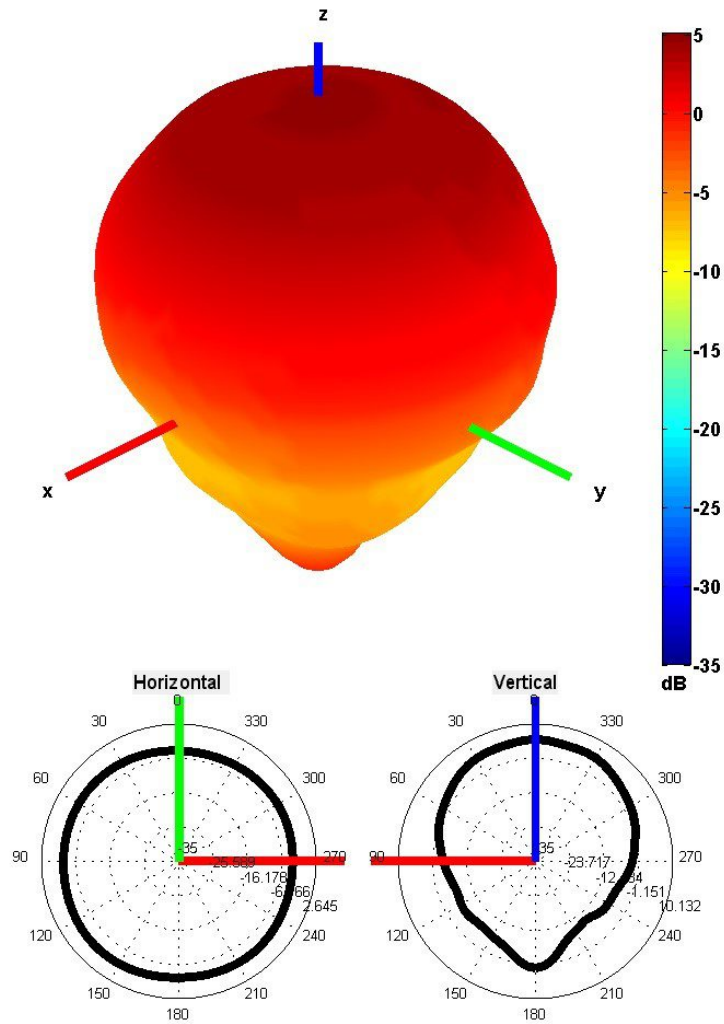






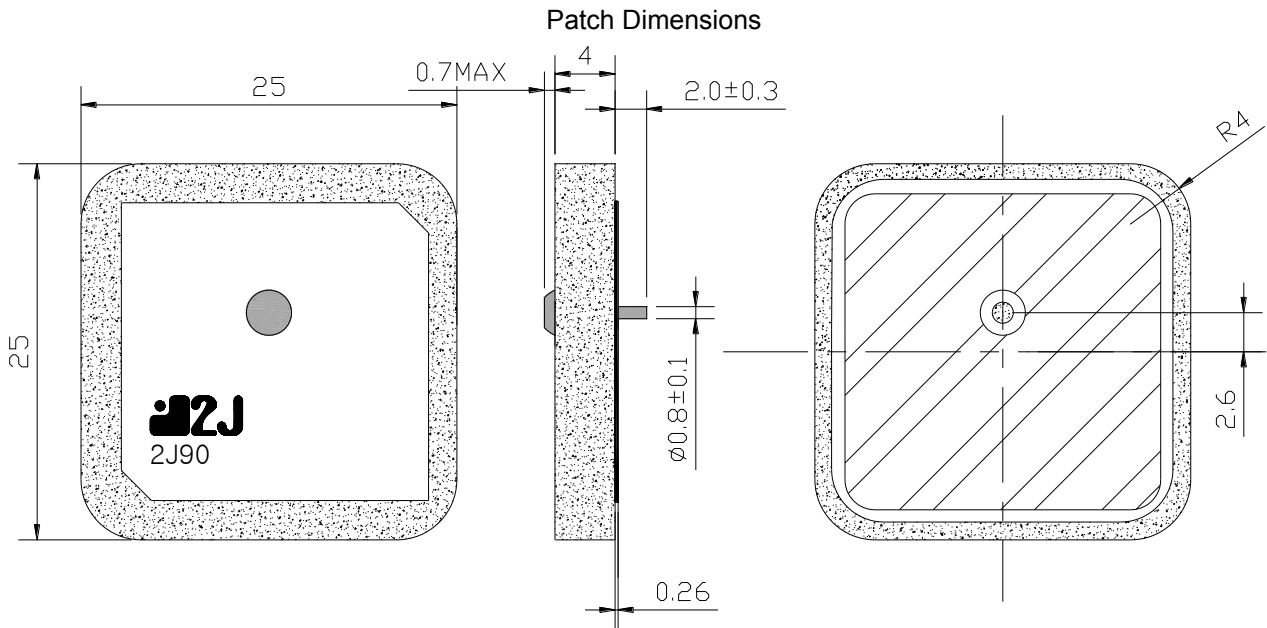


Radiation pattern reference

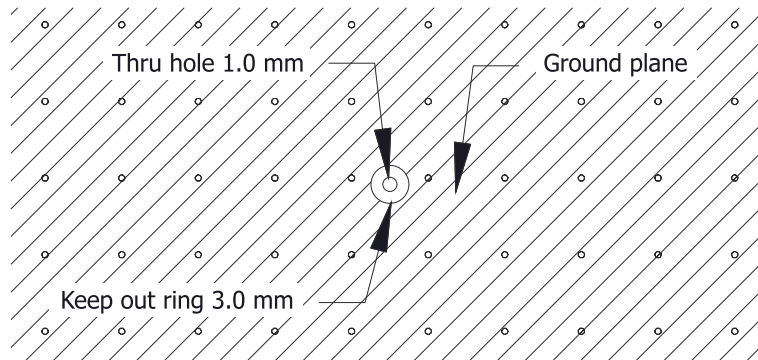


1621 MHz Radiation pattern

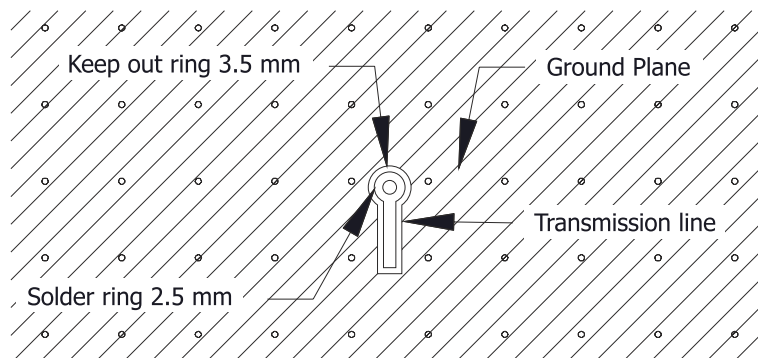
4. Antenna drawings



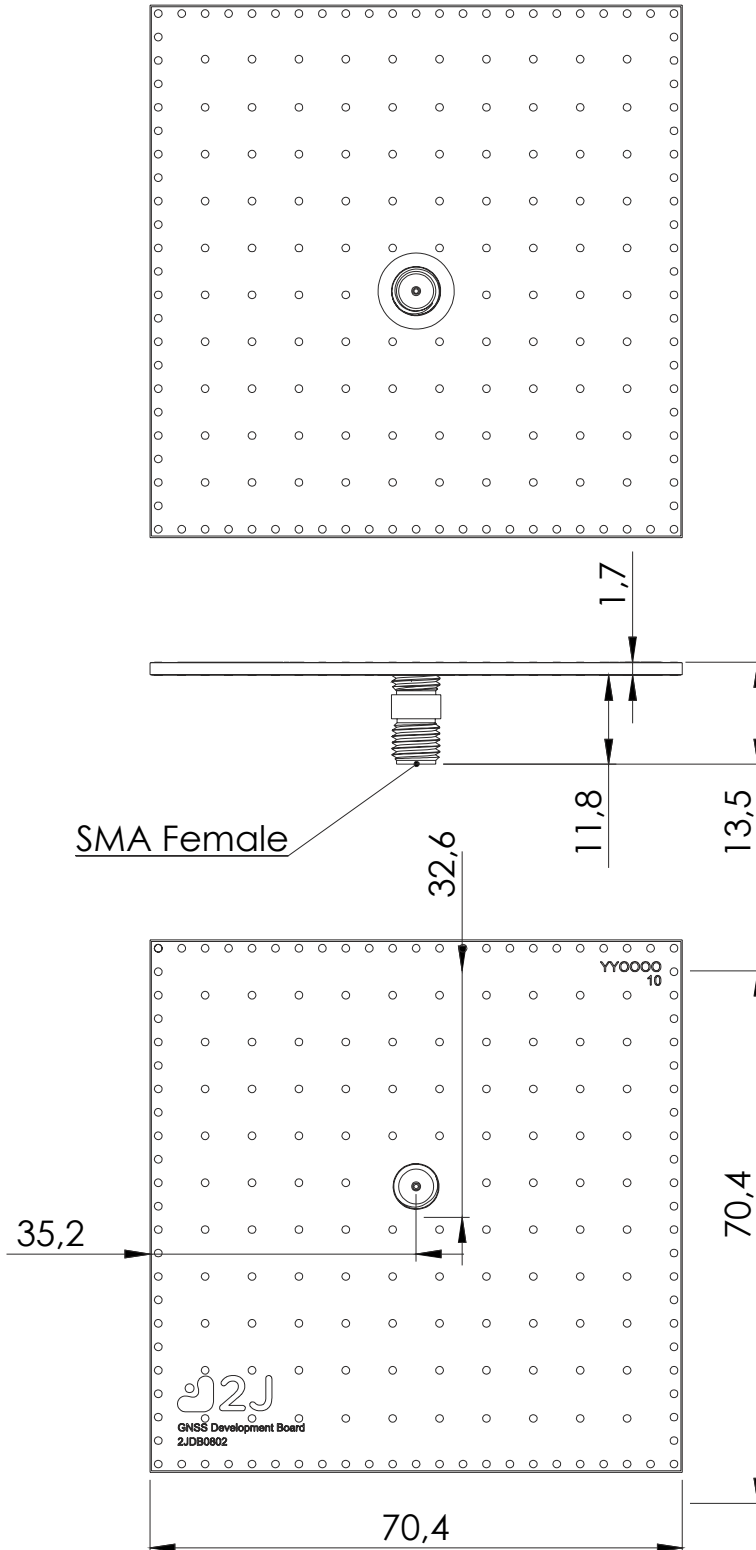
Layout for top layer



Layout for bottom layer



2JDB0802 Development board



5. Antenna Images

