

2JDK0126a-C104N

IRIDIUM Ceramic Thru-Hole Mount Development Kit

Key Features

IRIDIUM

- 1616-1627 MHz

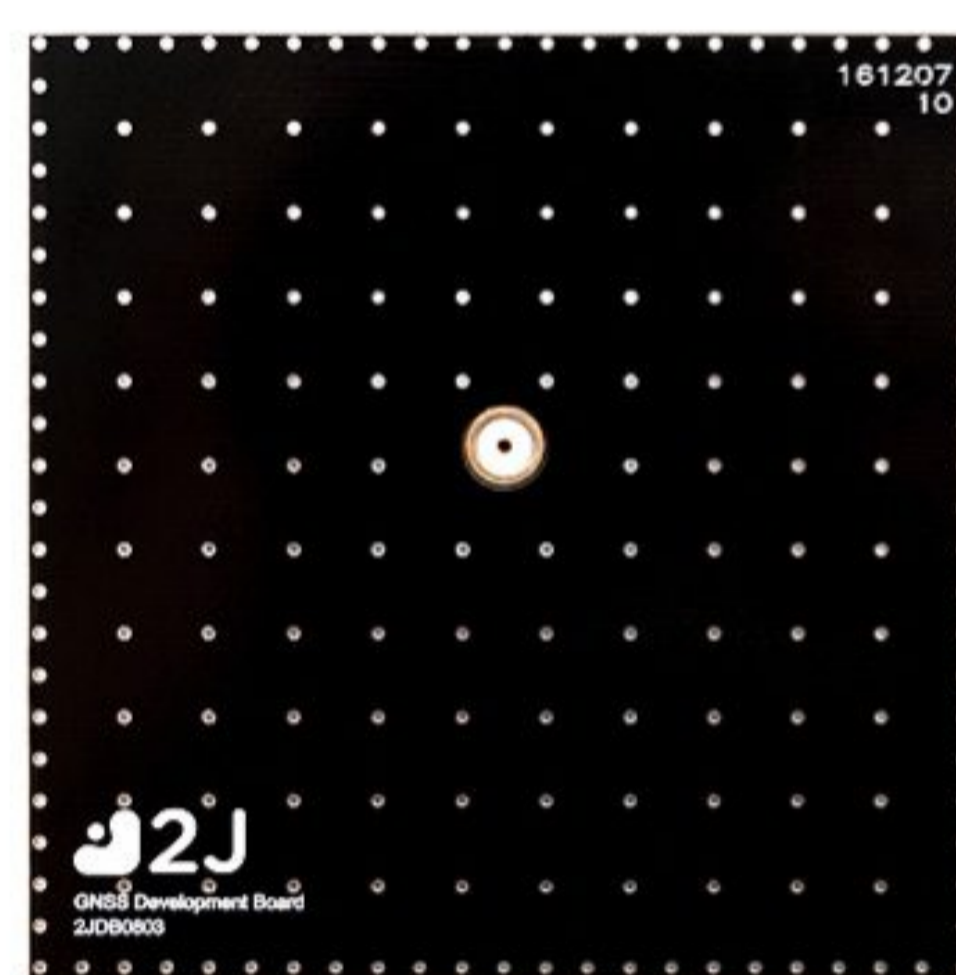
Set of 6 patches to try on devices

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

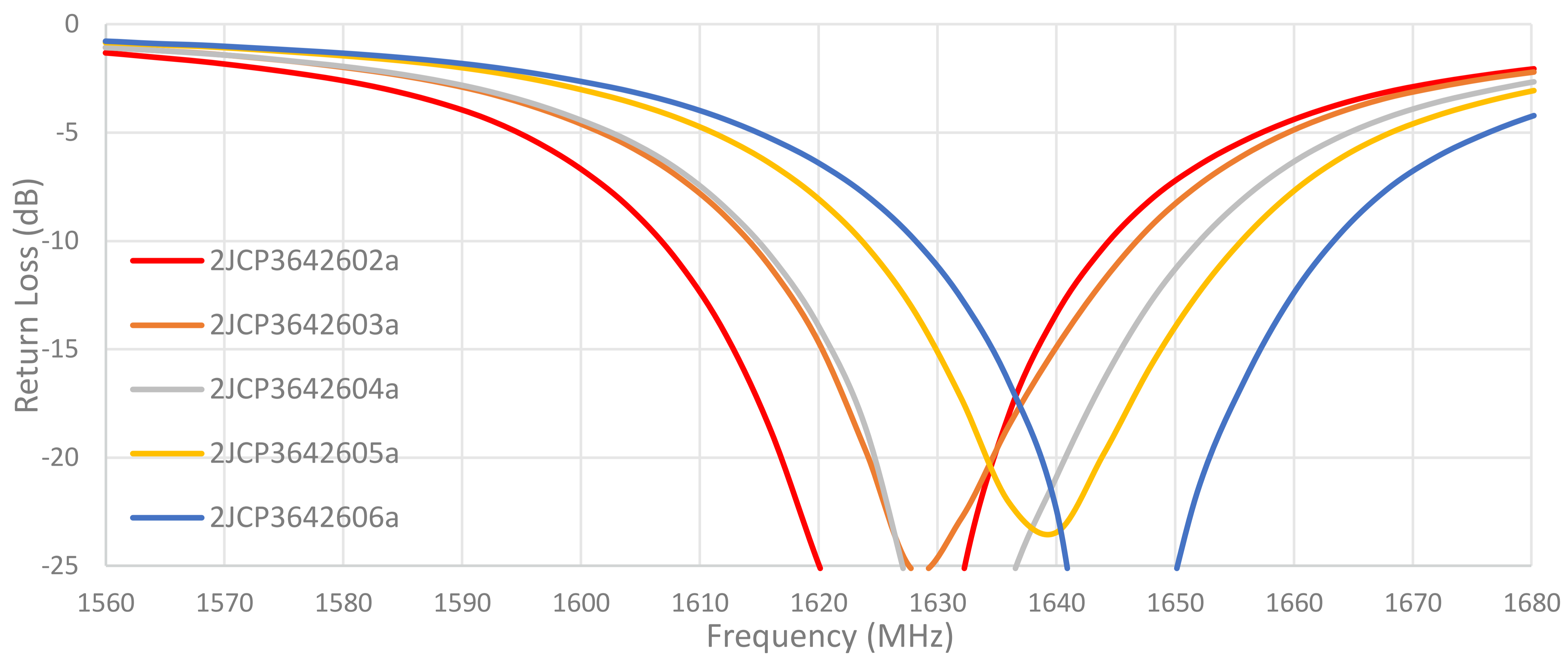
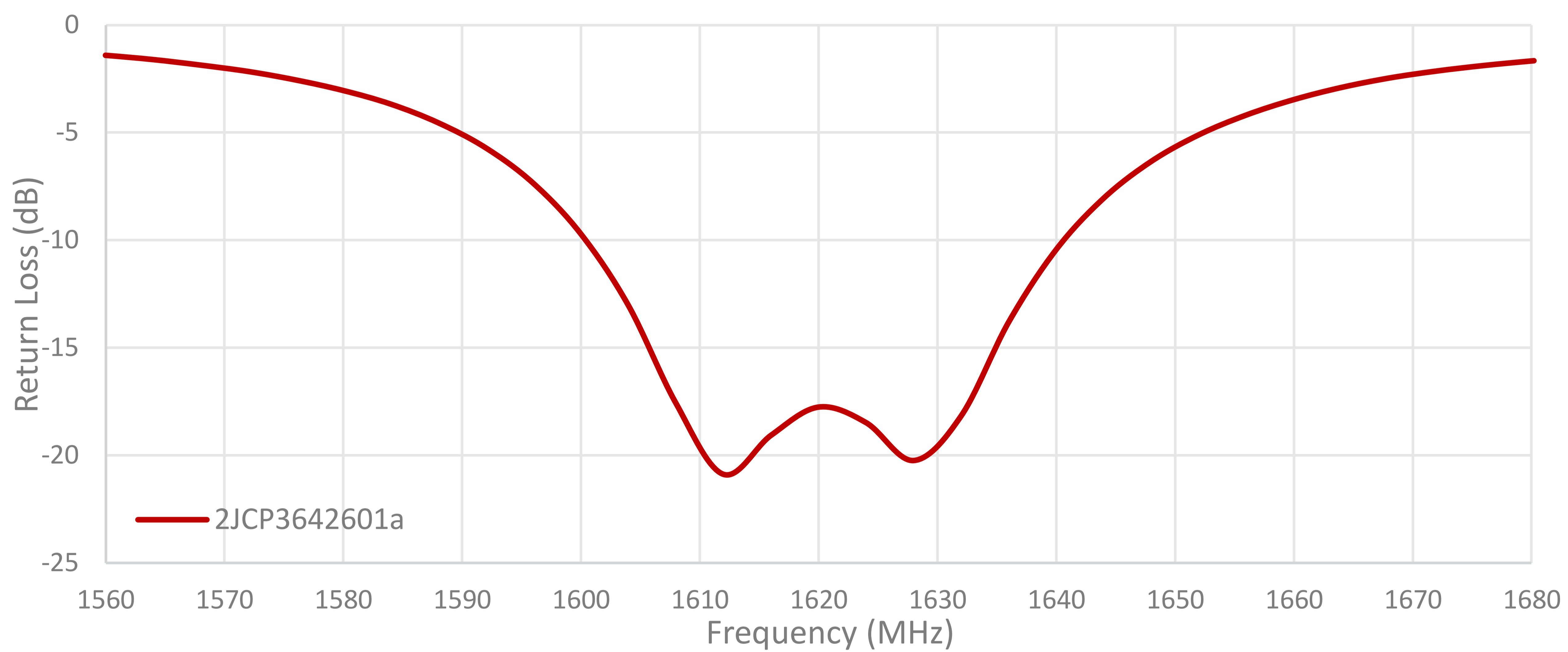
Mounted on Ground Plane of 70 x 70 mm

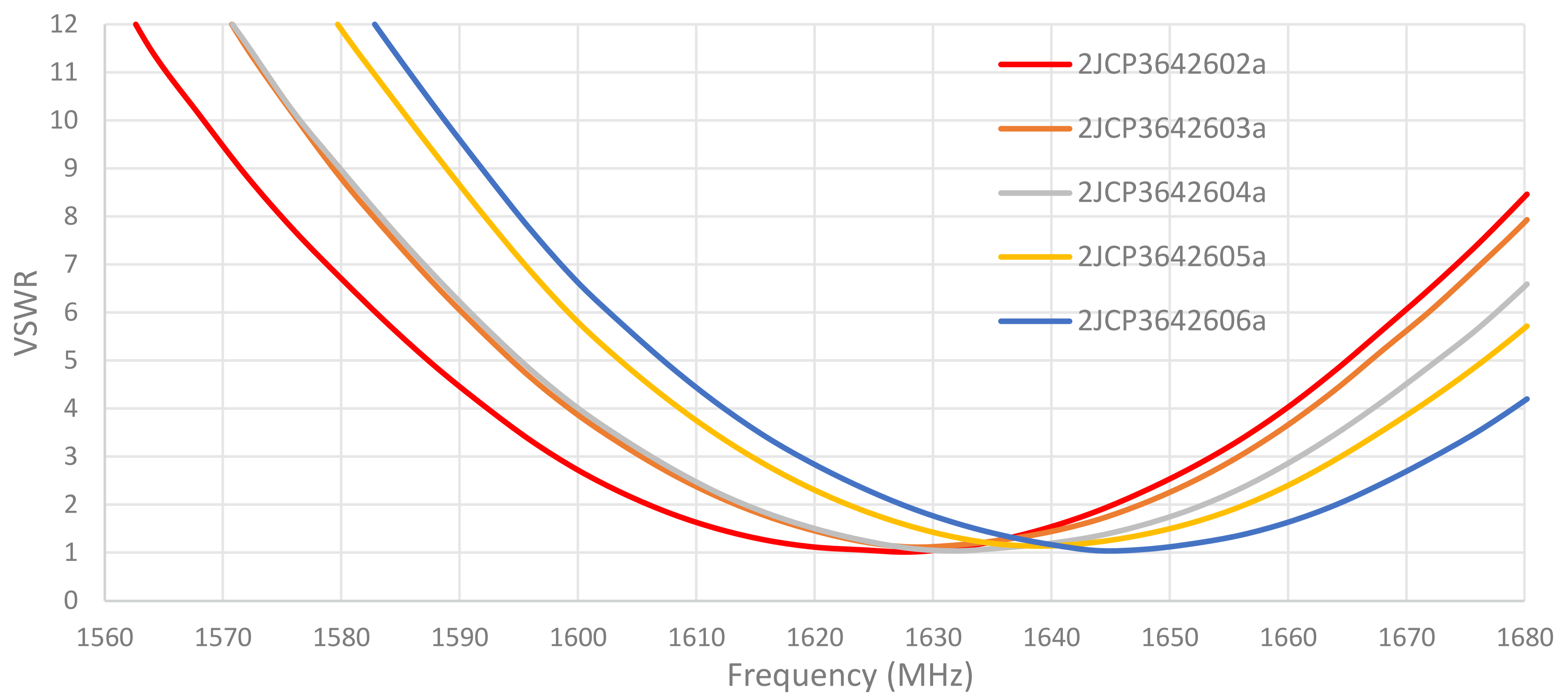
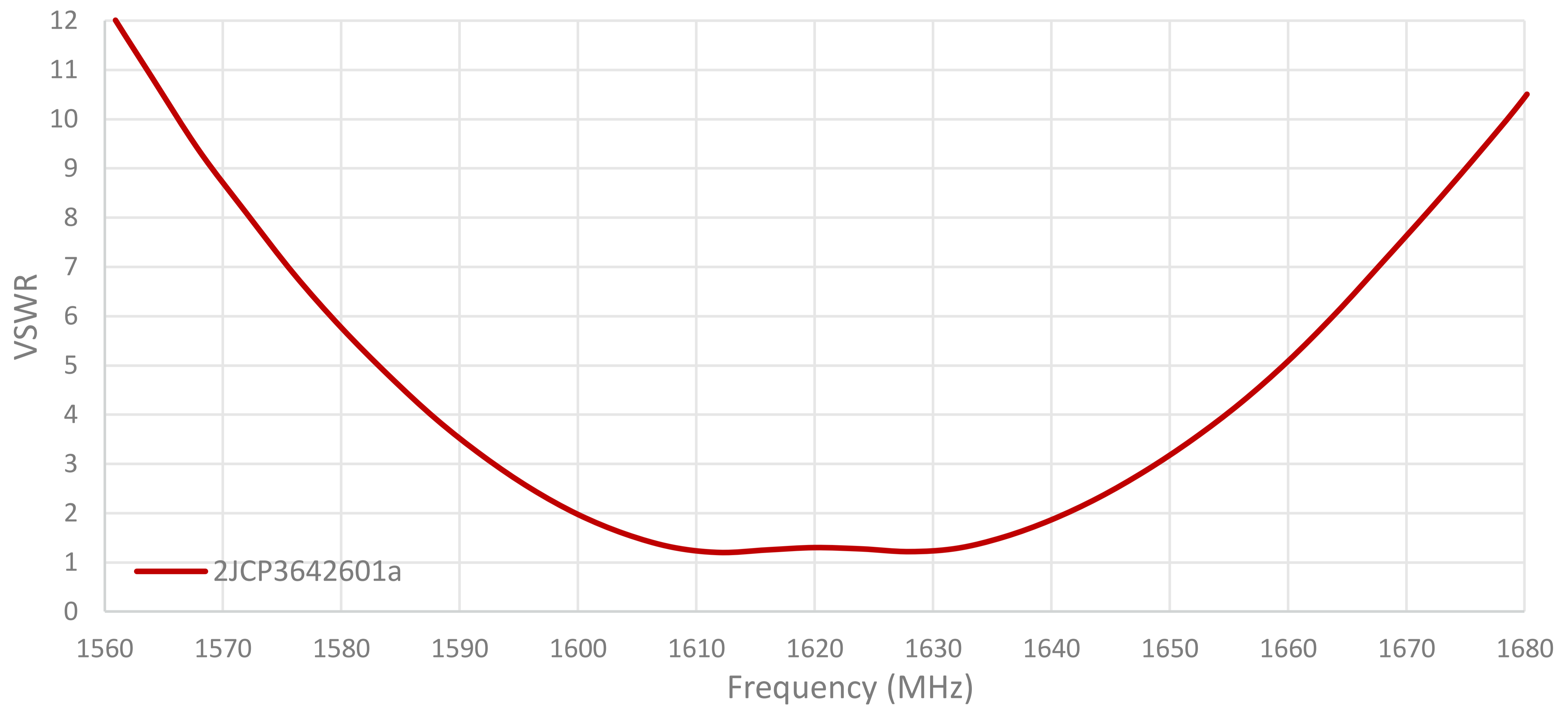
Measured in Certified CTIA 3D Anechoic Chamber

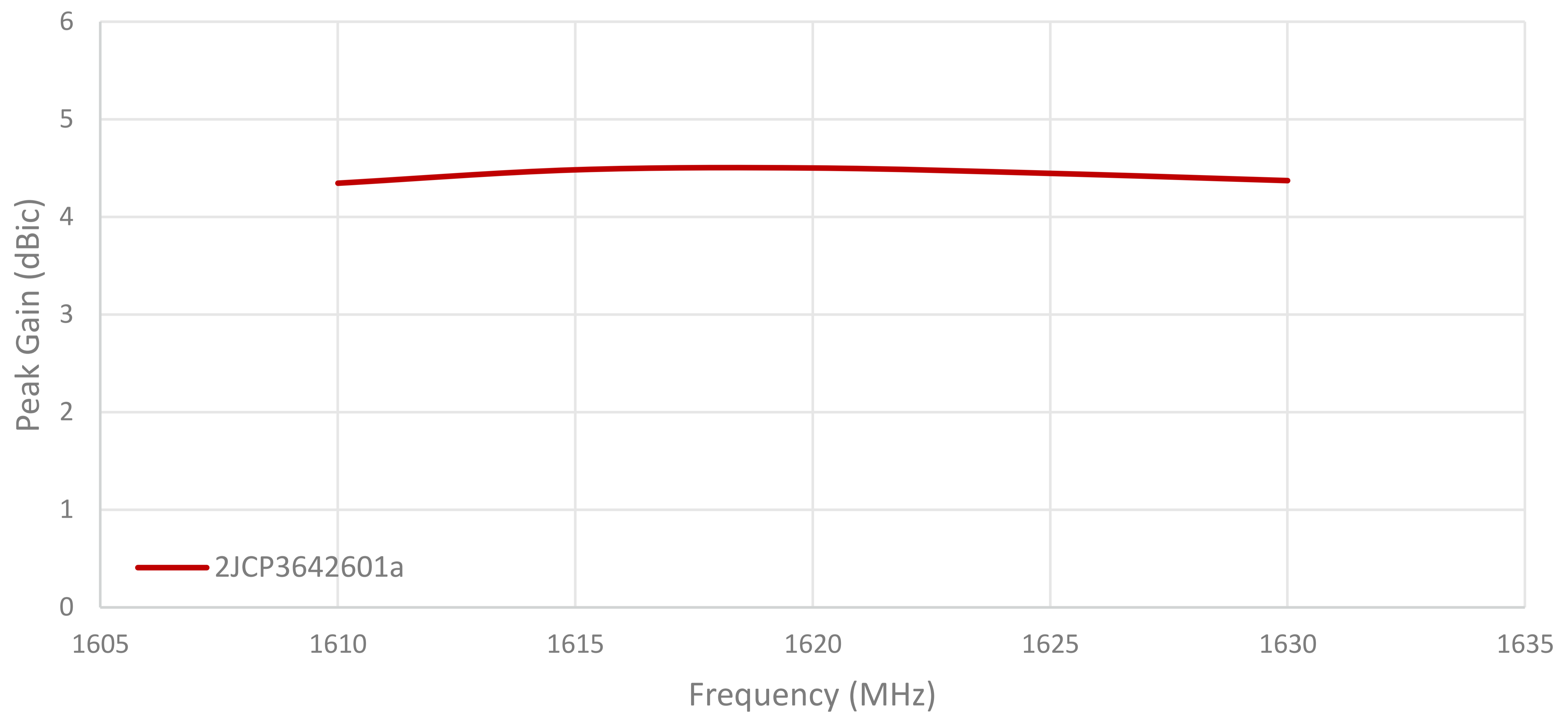
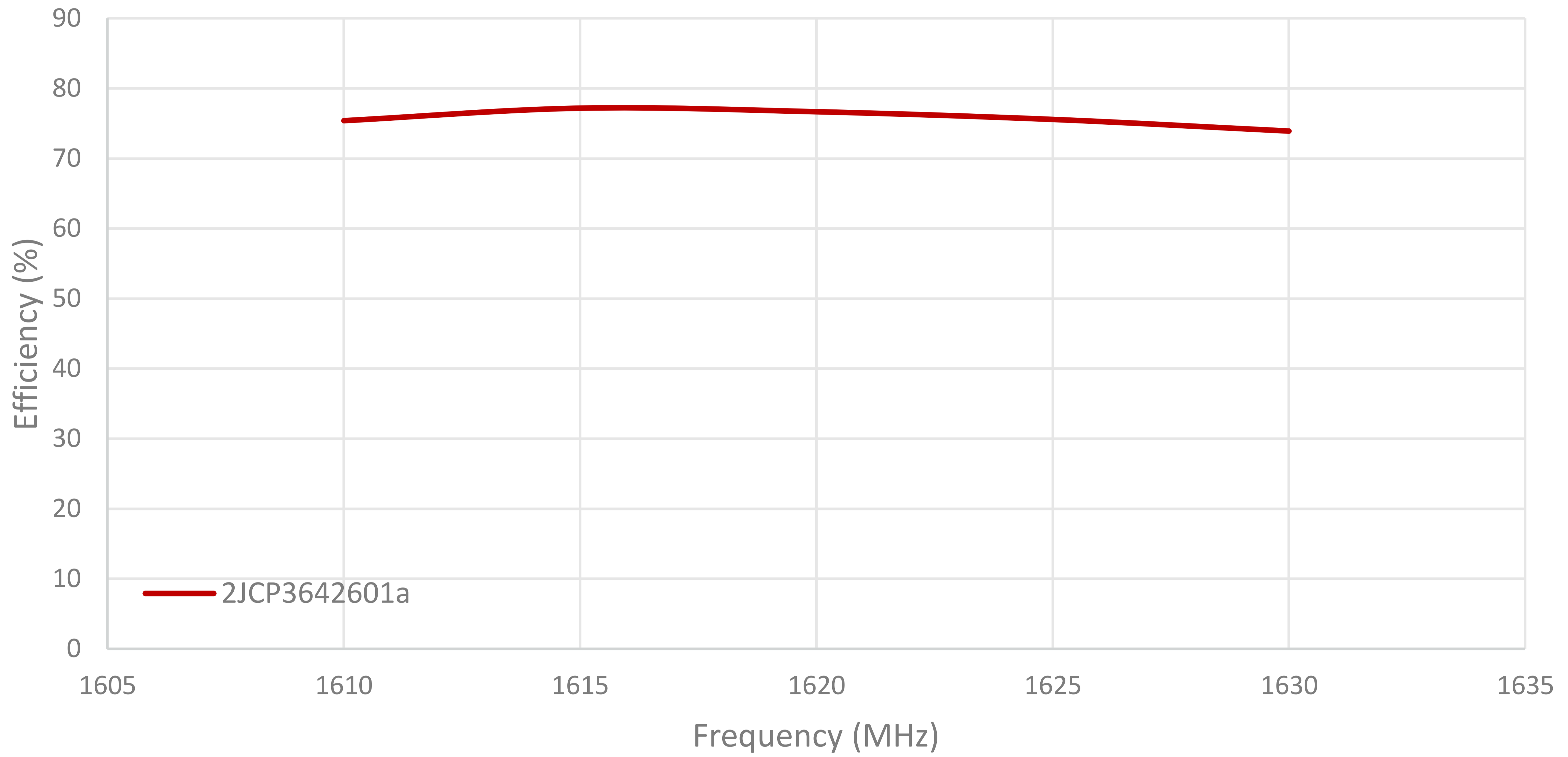
2. Mechanical and environmental specifications

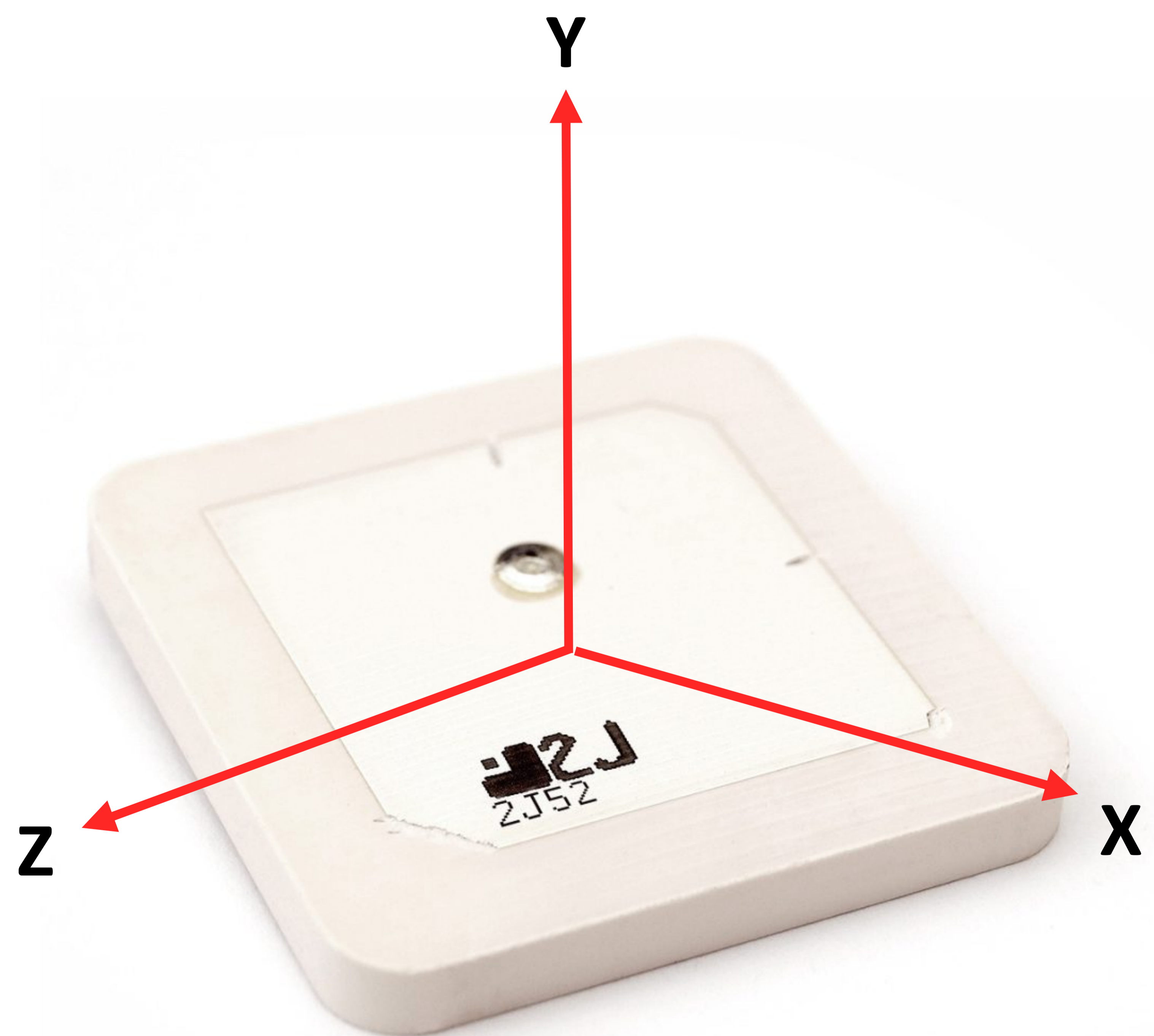
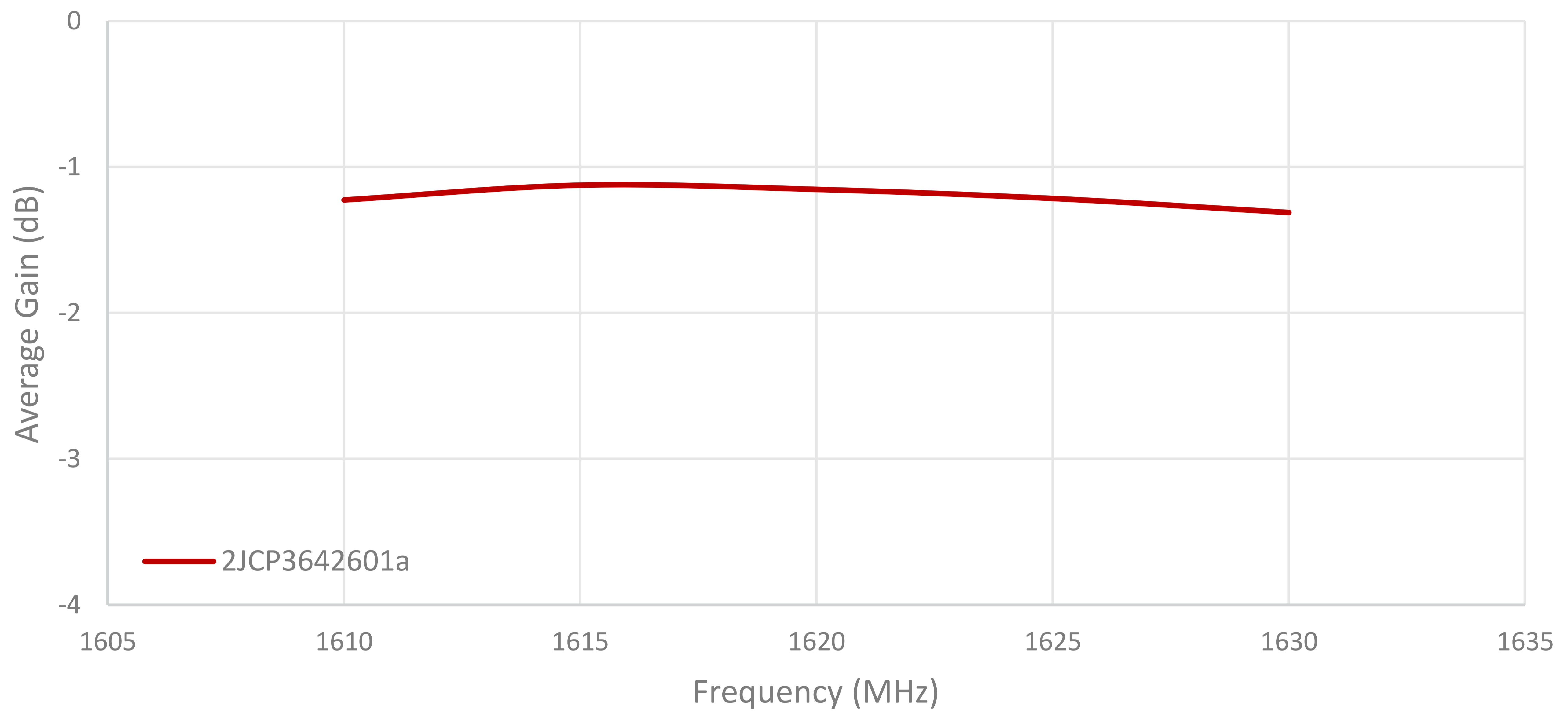
Specifications	2JCP3642601a
Mounting Type	Thru-Hole Mount
Adhesive	Nitto 5000NS
Dimensions (mm)	36 x 36 x 4
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

3. Antenna parameters

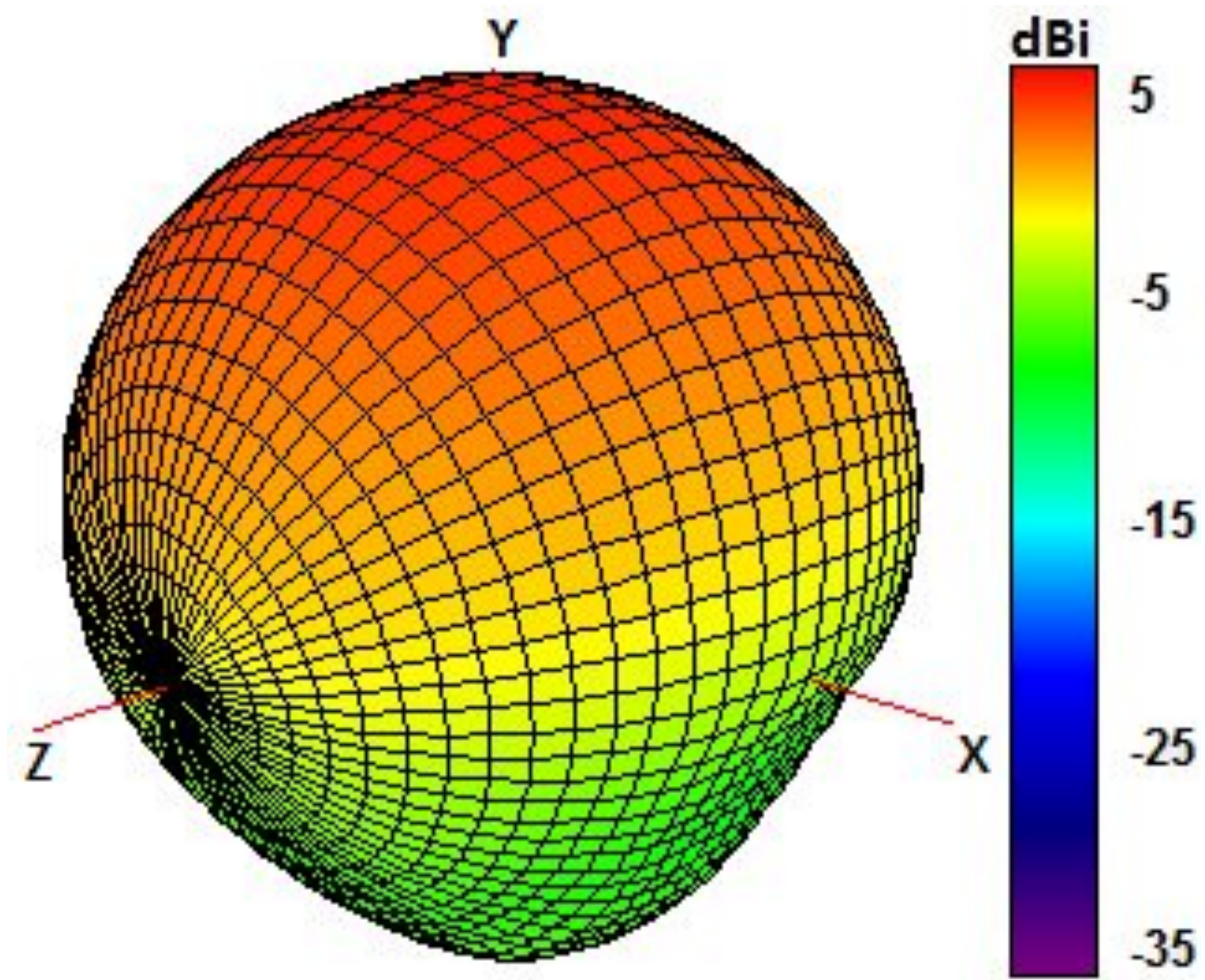








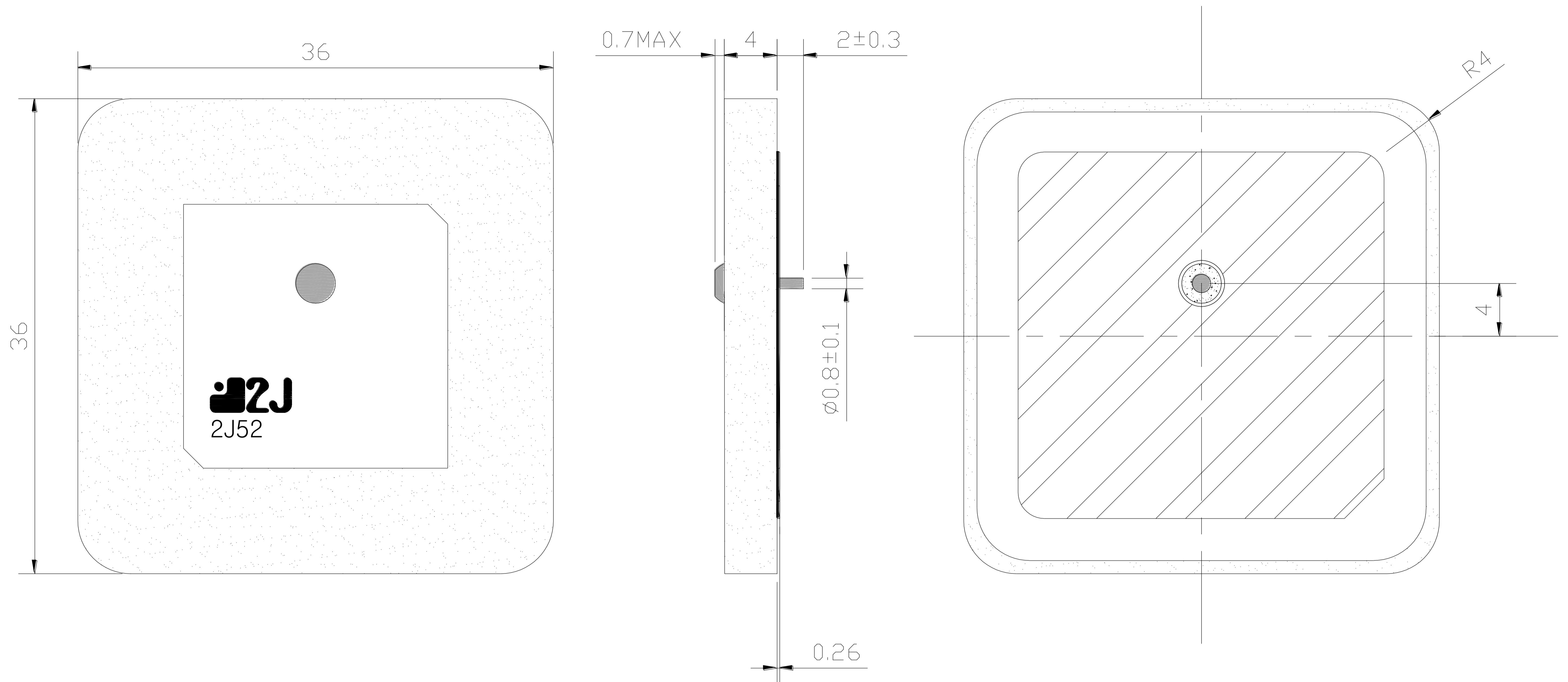
Radiation pattern reference



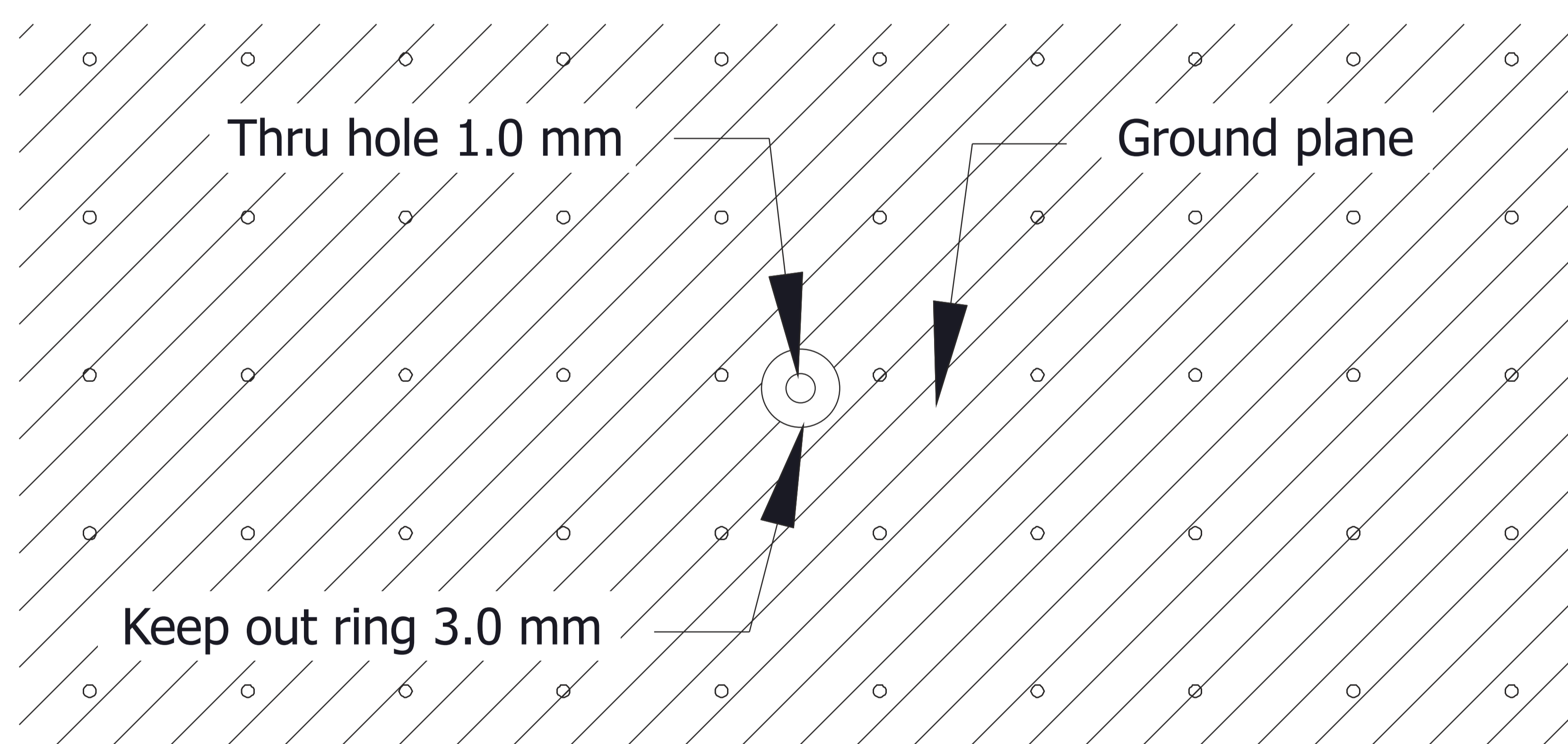
1621 MHz Radiation pattern

4. Antenna drawings

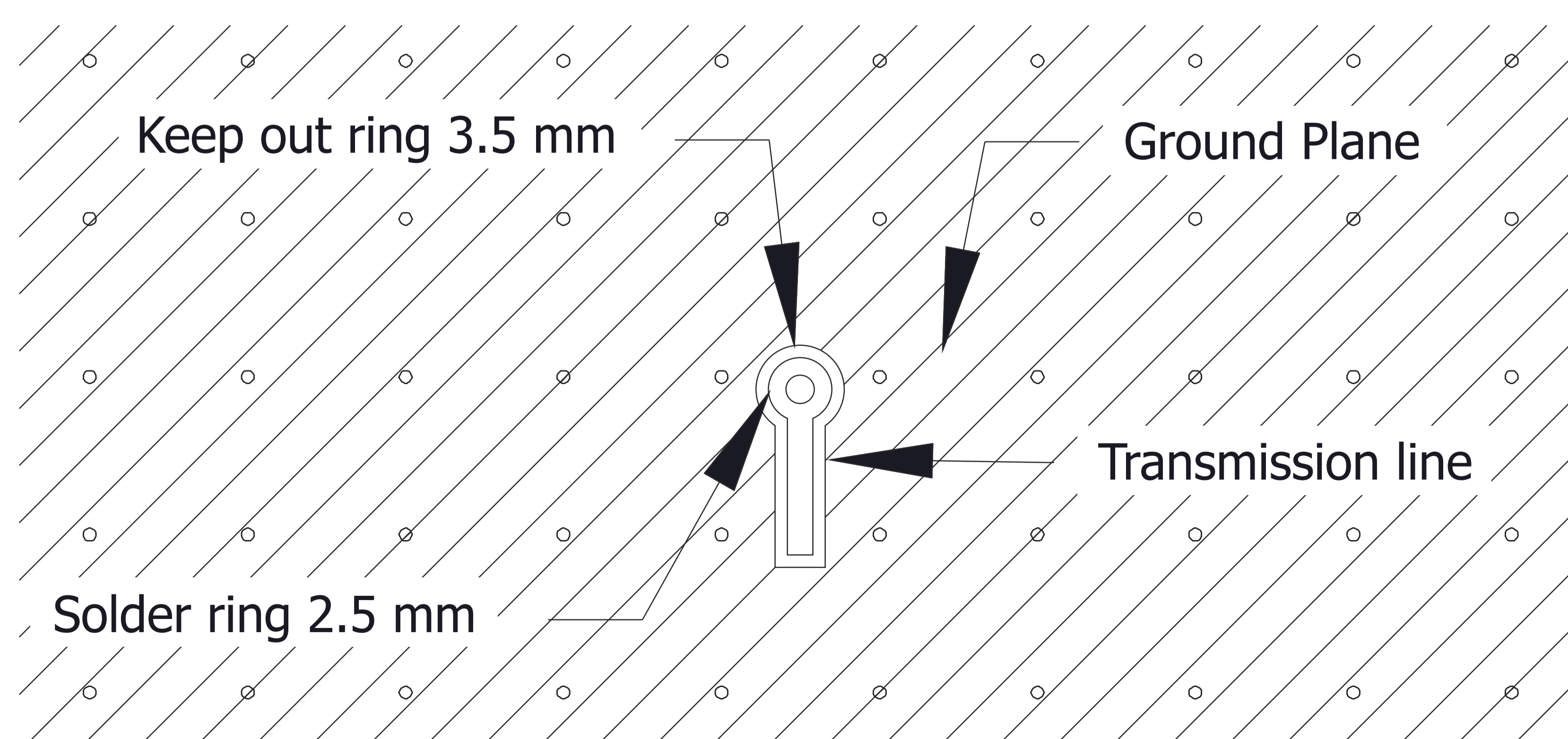
Patch Dimensions



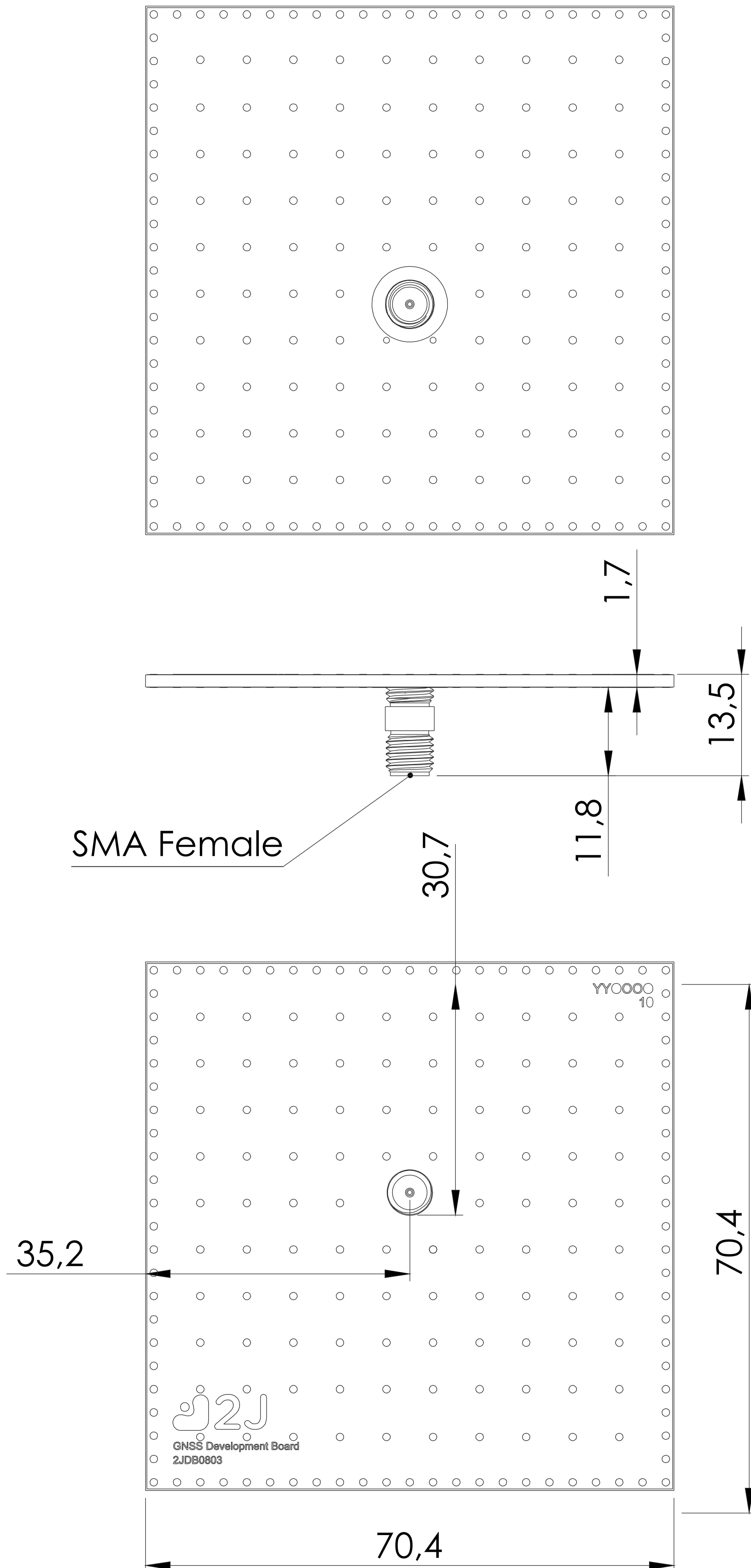
Layout for top layer



Layout for bottom layer



2JDB0803 Development board



5. Antenna Images

