

2JDK0101a-C104N

GNSS Ceramic Thru-Hole Mount Development Kit

Key Features

GPS/QZSS/Galileo

- 1575 MHz

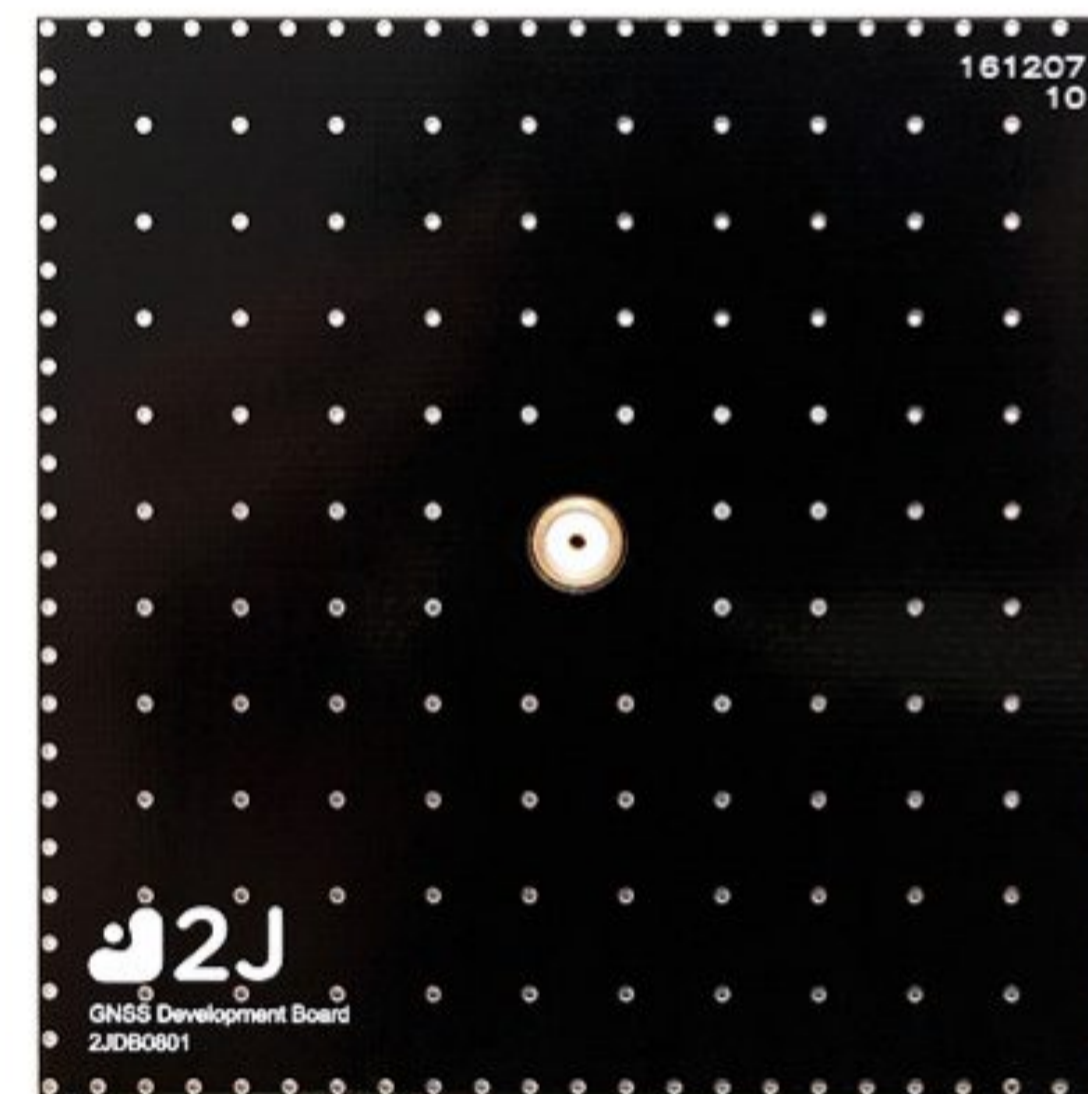
Set of 6 patches to try on devices

Thru-Hole Mount

High Gain

Ground Plane Independent

Patches Dimensions 18 x 18 x 4 mm



1. Antenna and electrical specifications

Parameters	GNSS Ceramic Thru-Hole Mount Antenna	
Standards	GPS/QZSS/Galileo	
Bands (MHz)	1575	
Frequency (MHz)	2JCP1840101a (2J28)	1575.42
	2JCP1840102a (2J29)	1580.42
	2JCP1840103a (2J30)	1585.42
	2JCP1840104a (2J31)	1590.42
	2JCP1840105a (2J32)	1595.42
	2JCP1840106a (2J33)	1600.42
Return Loss (dB)	~-26.0	
VSWR	~1.0:1	
Efficiency (%)	~65	
Peak Gain (dBiC)	~3.6	
Average Gain (dB)	~-1.8	
Impedance (Ohms)	50	
Radiation Pattern	Hemispherical	
Axial Ratio (dB)	3 max	
Polarization	RHCP	

Antenna Measurement Conditions:

Free Space

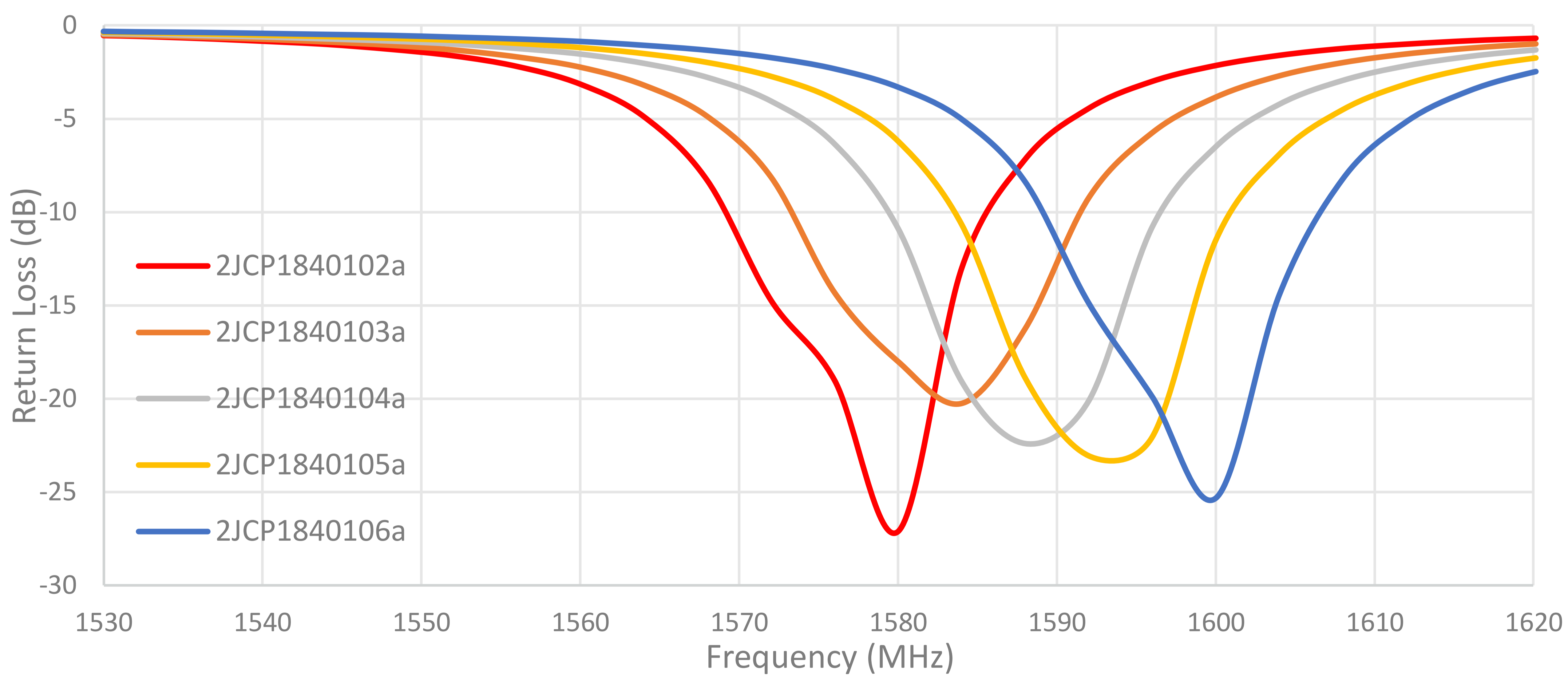
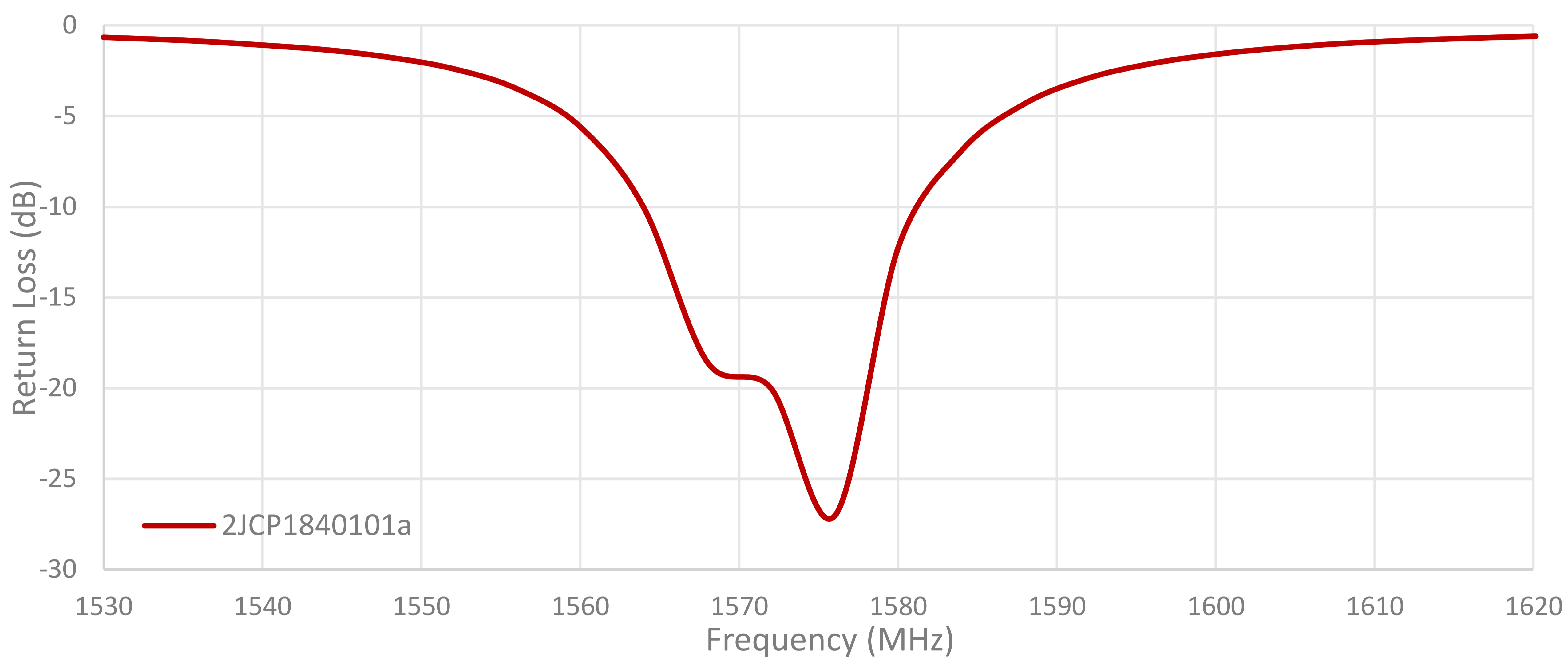
Mounted on Ground Plane of 70 x 70 mm

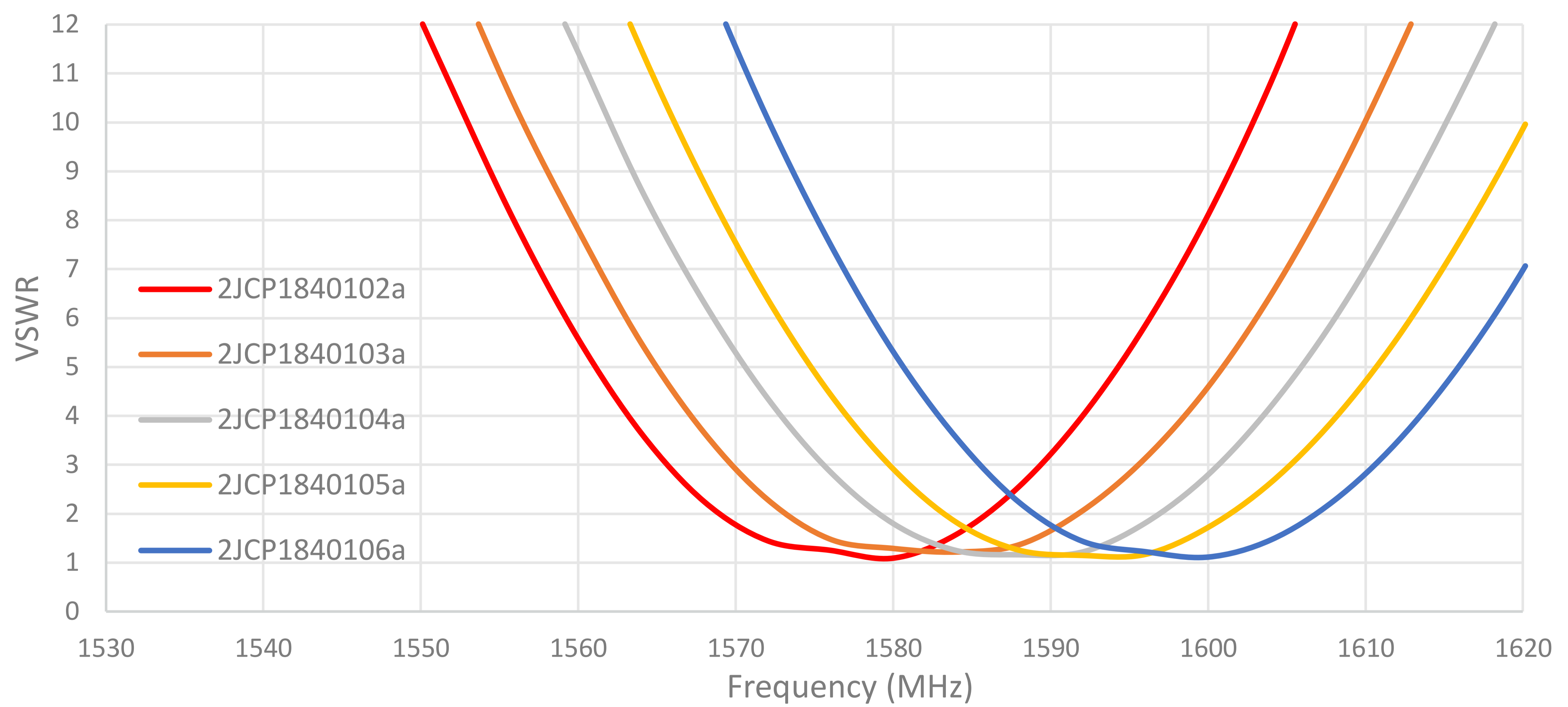
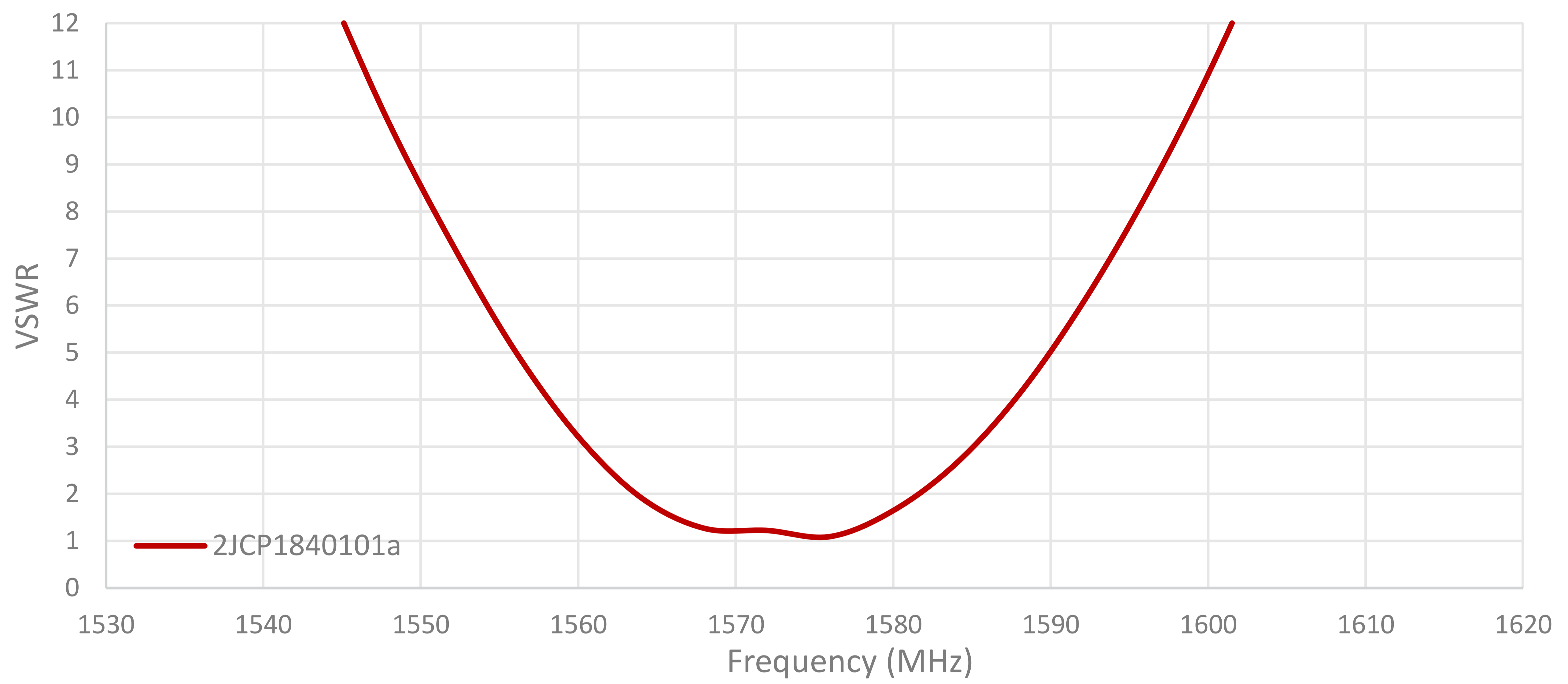
Measured in Certified CTIA 3D Anechoic Chamber

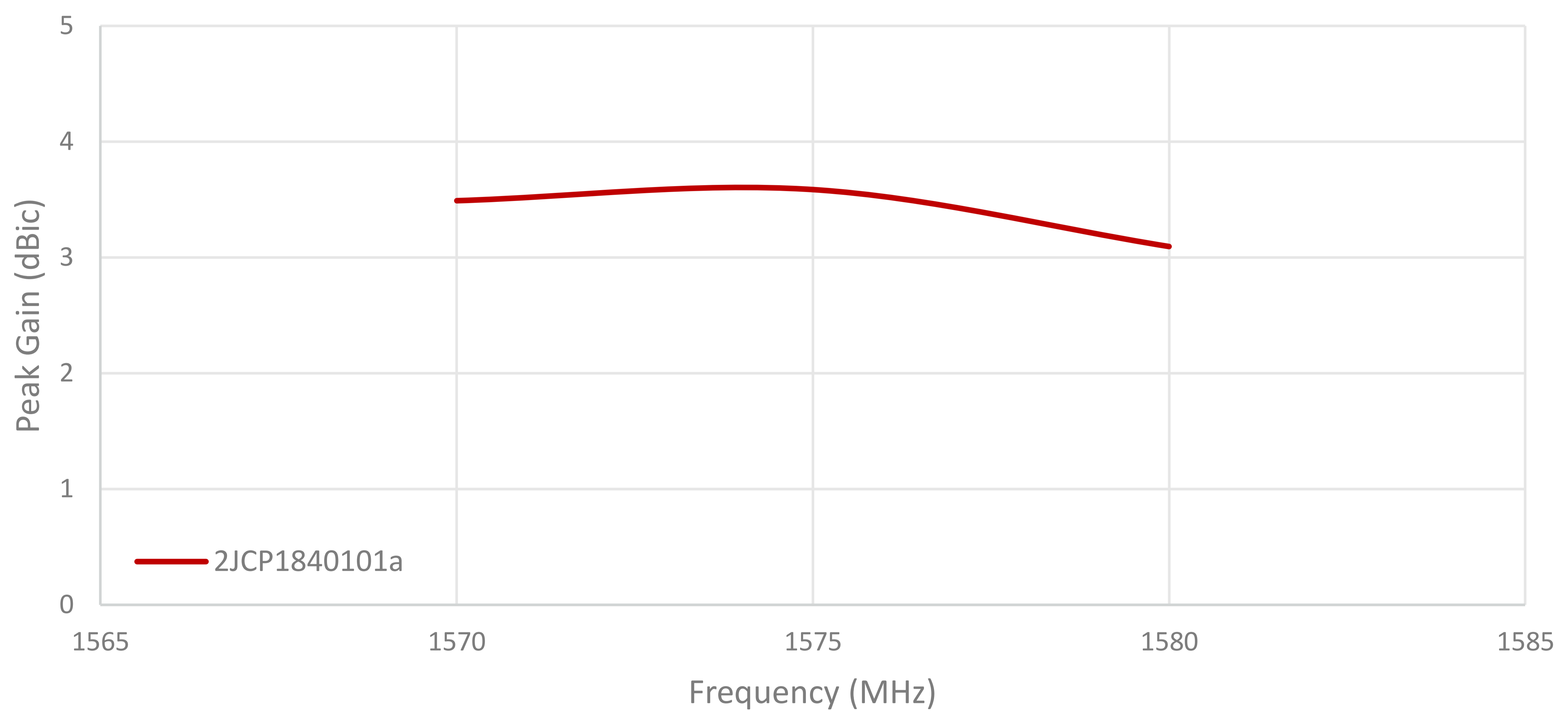
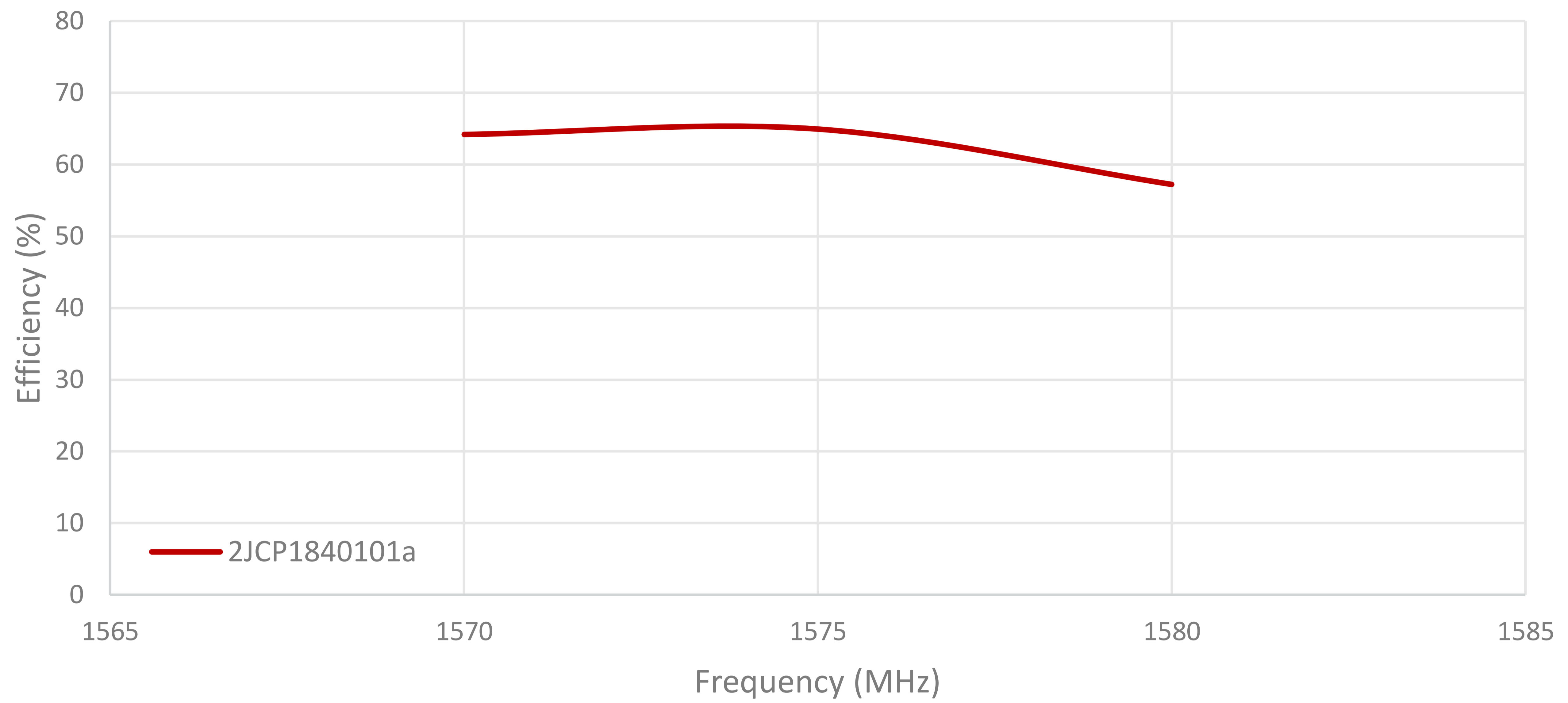
2. Mechanical and environmental specifications

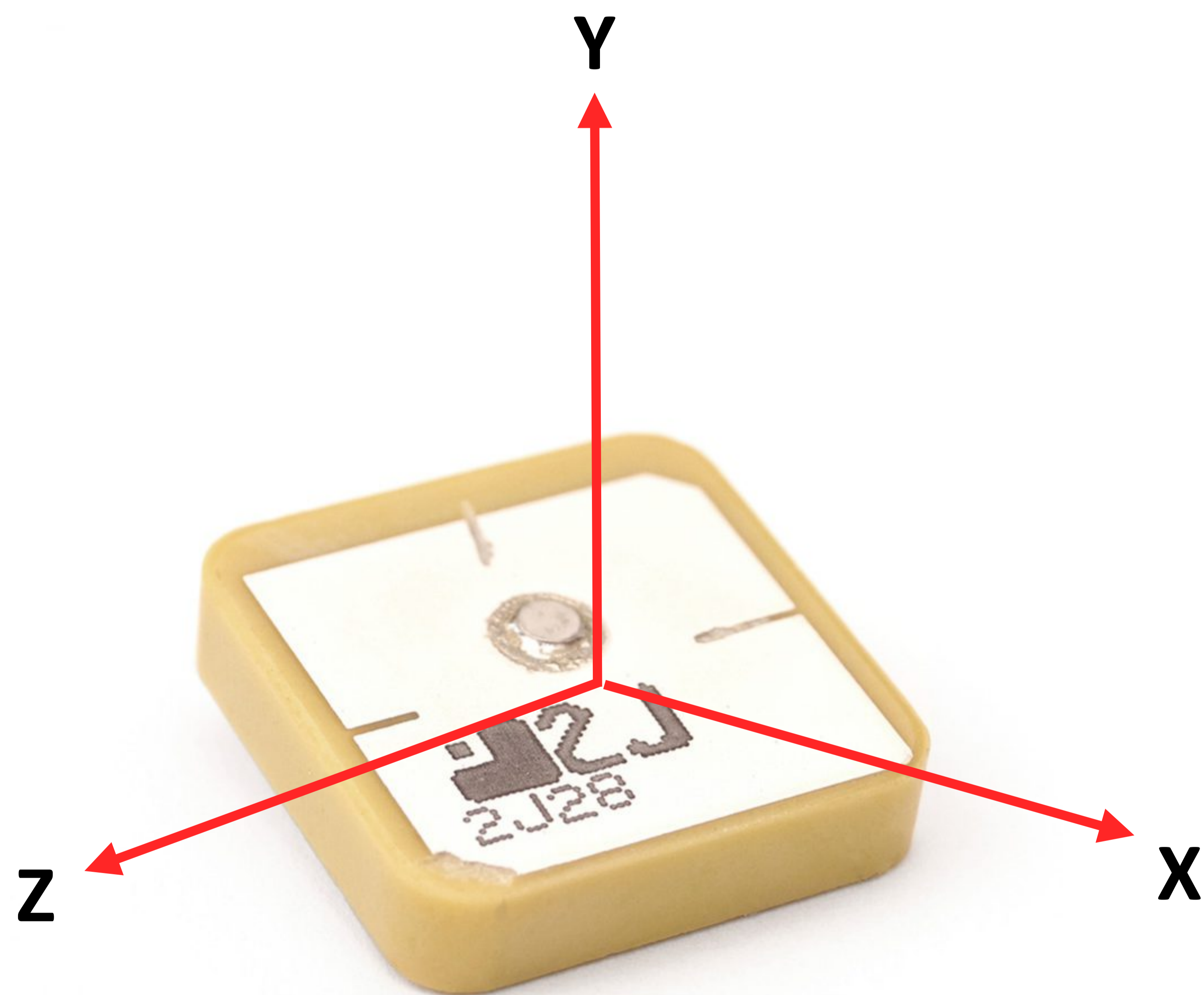
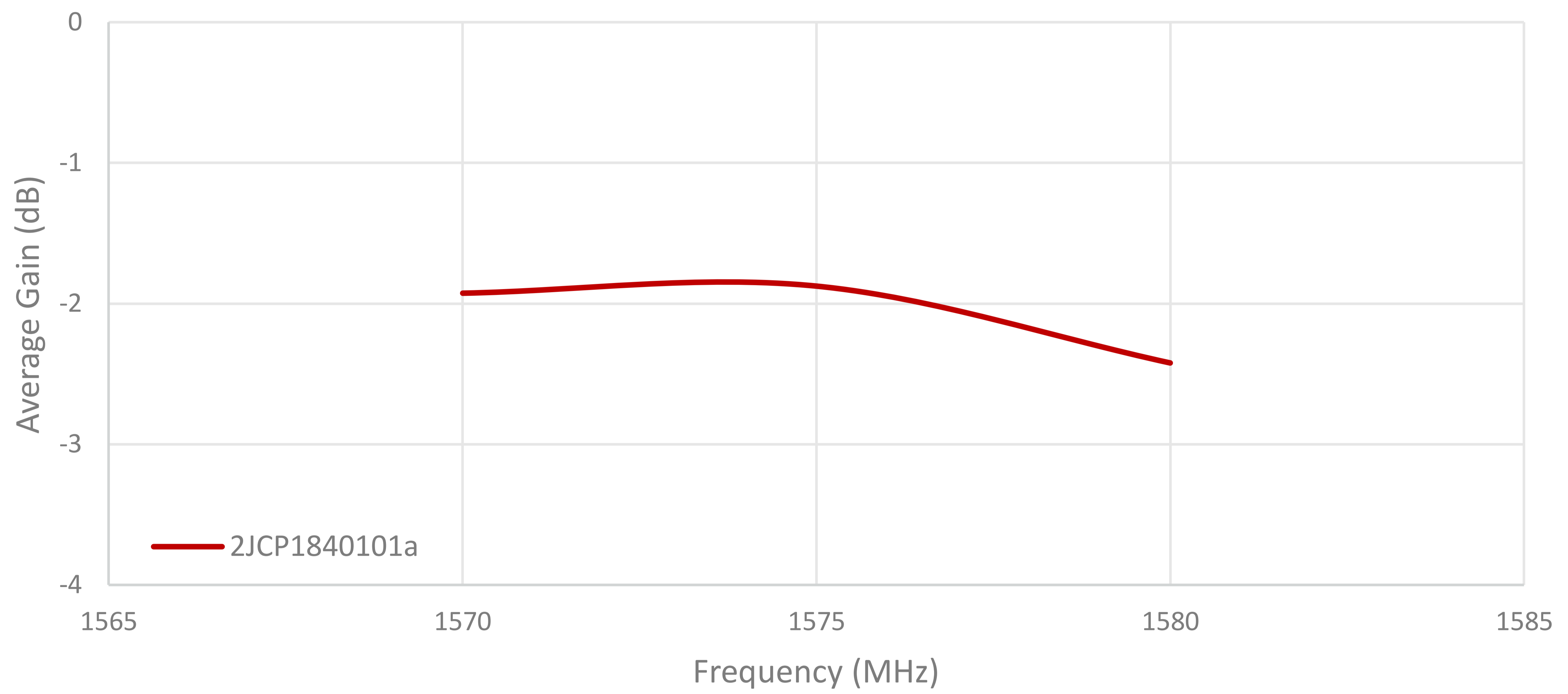
Specifications	2JCP1840101a
Mounting Type	Thru-Hole Mount
Adhesive	Nitto 5000NS
Dimensions (mm)	18 x 18 x 4
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

3. Antenna parameters

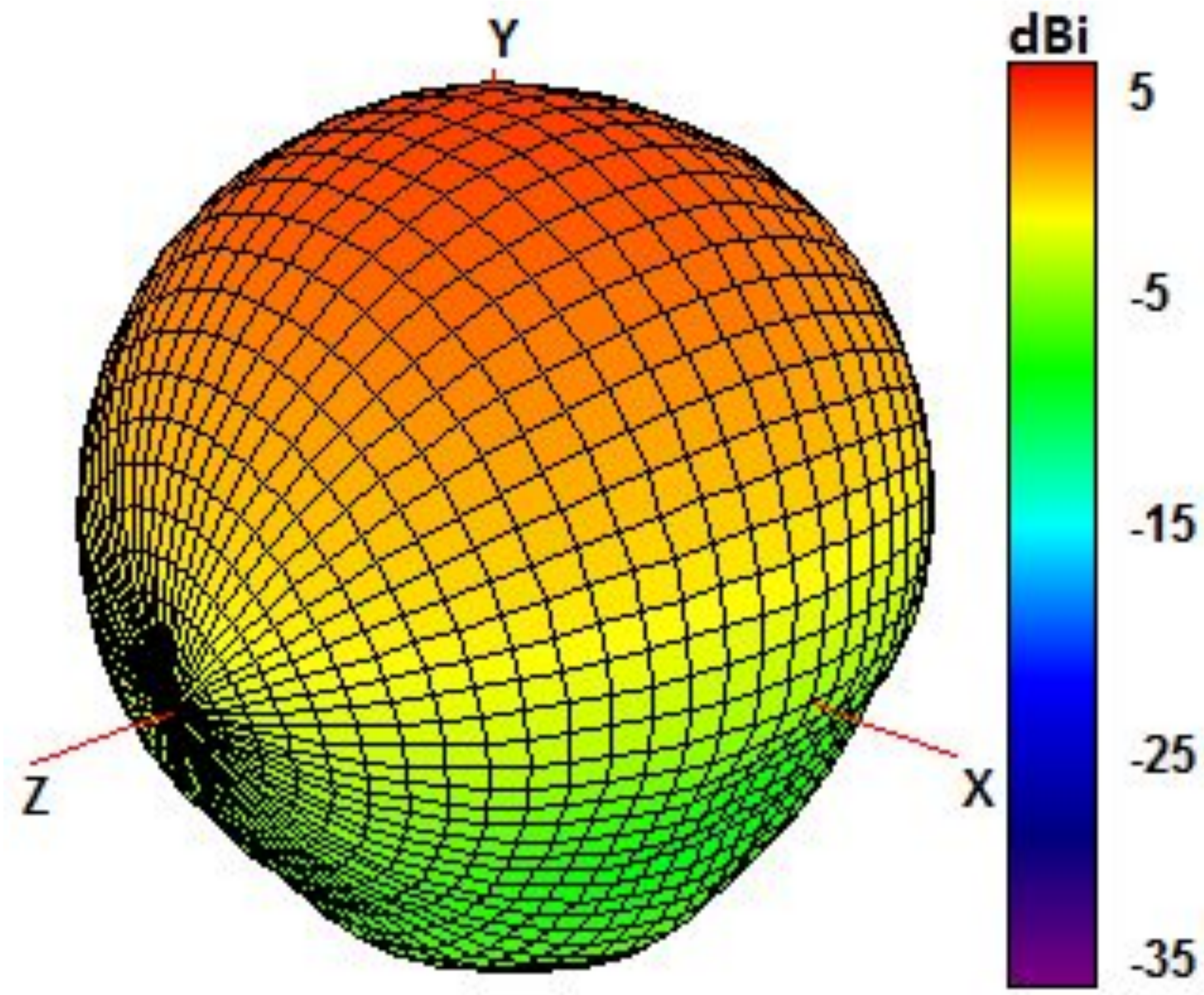






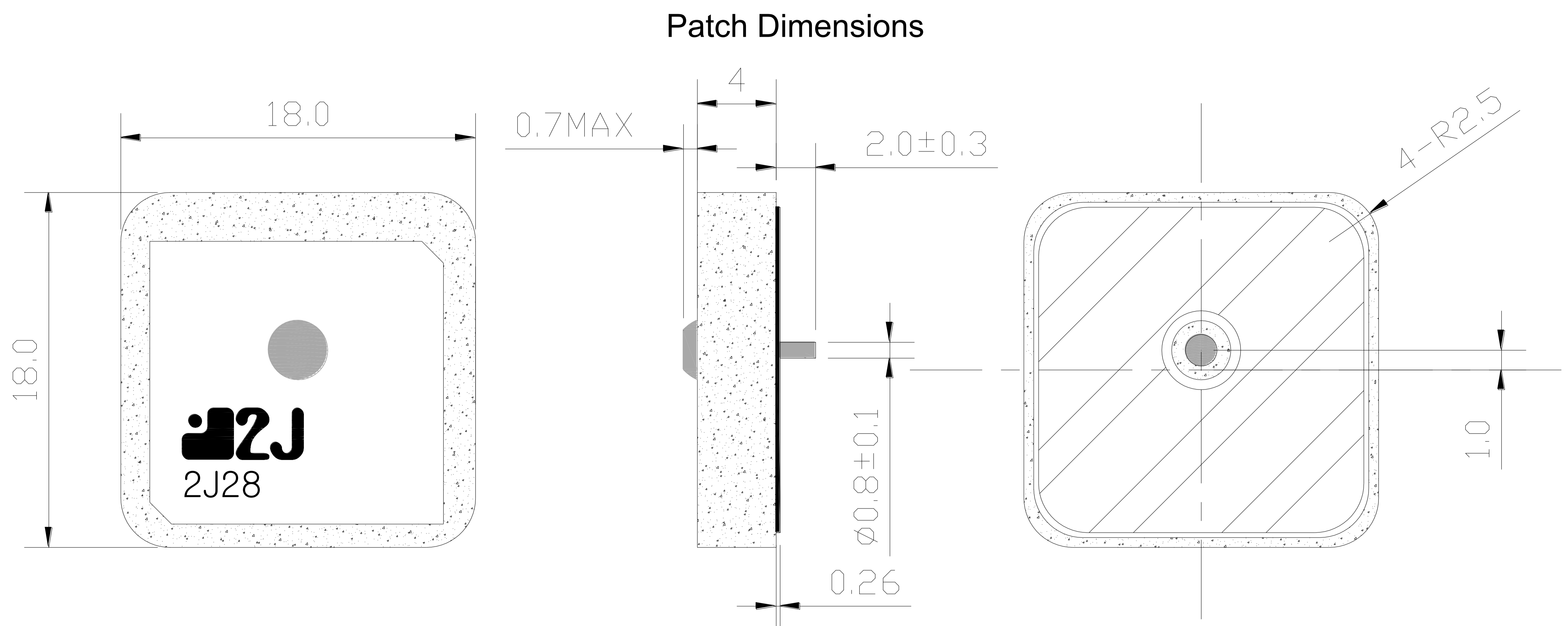


Radiation pattern reference

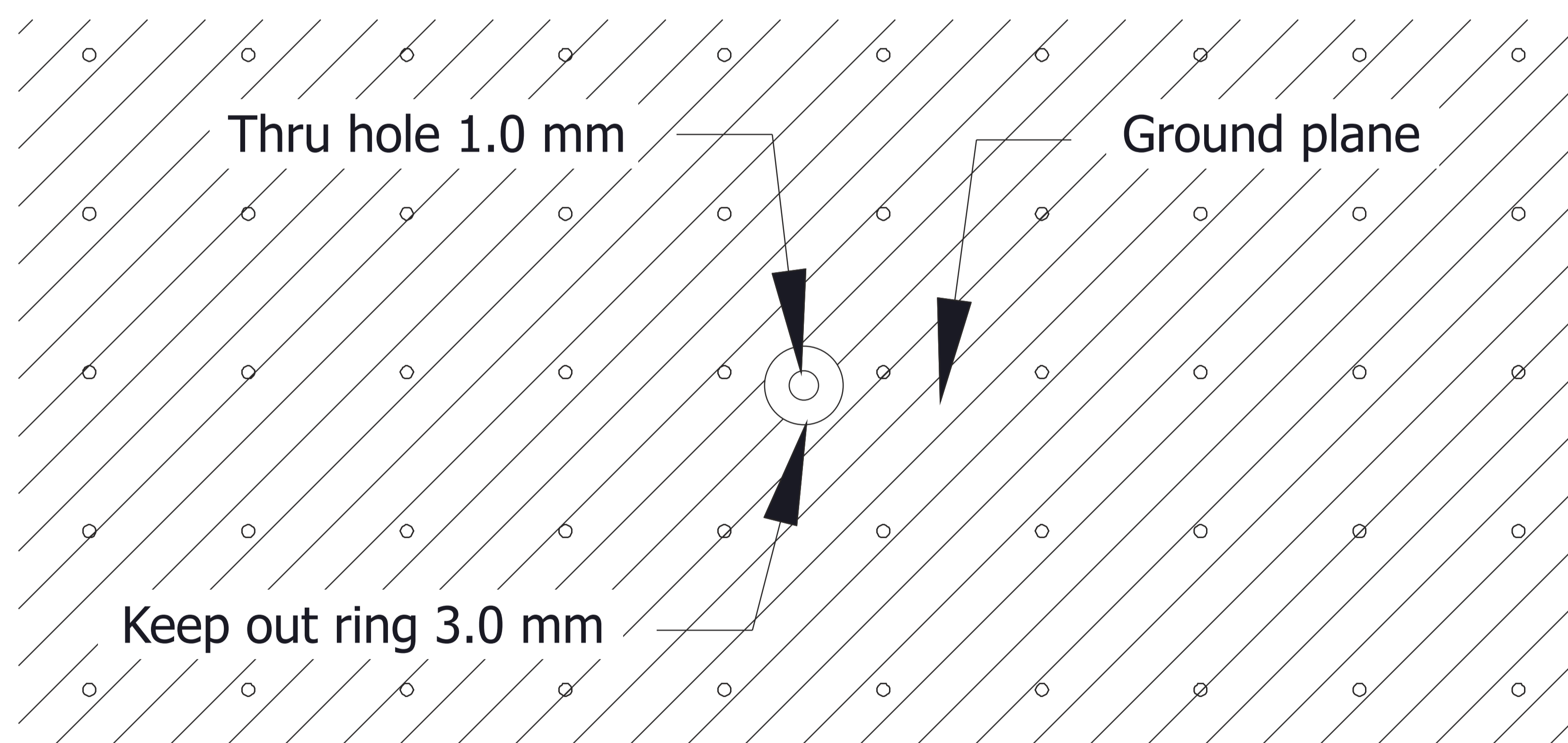


1575 MHz Radiation pattern

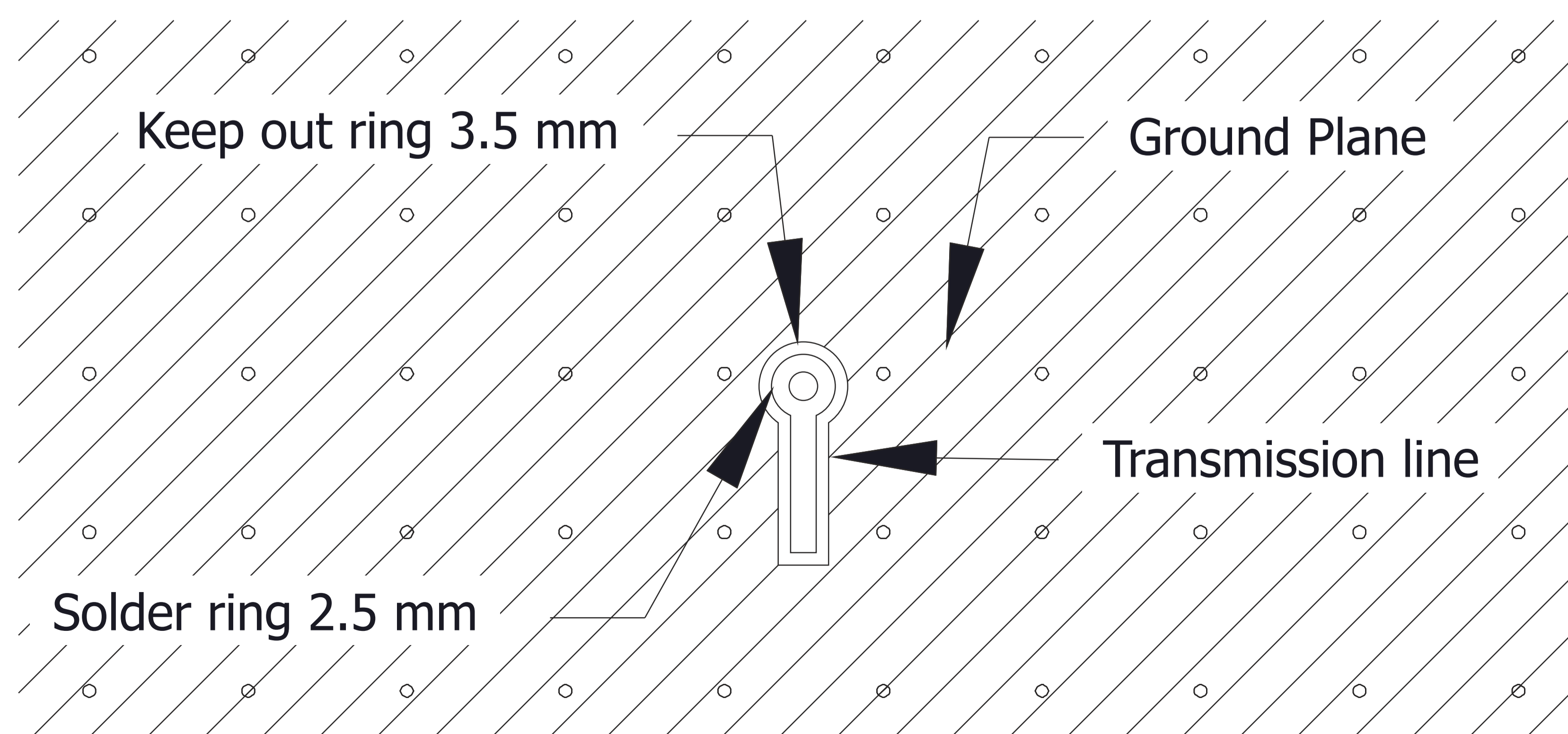
4. Antenna drawings



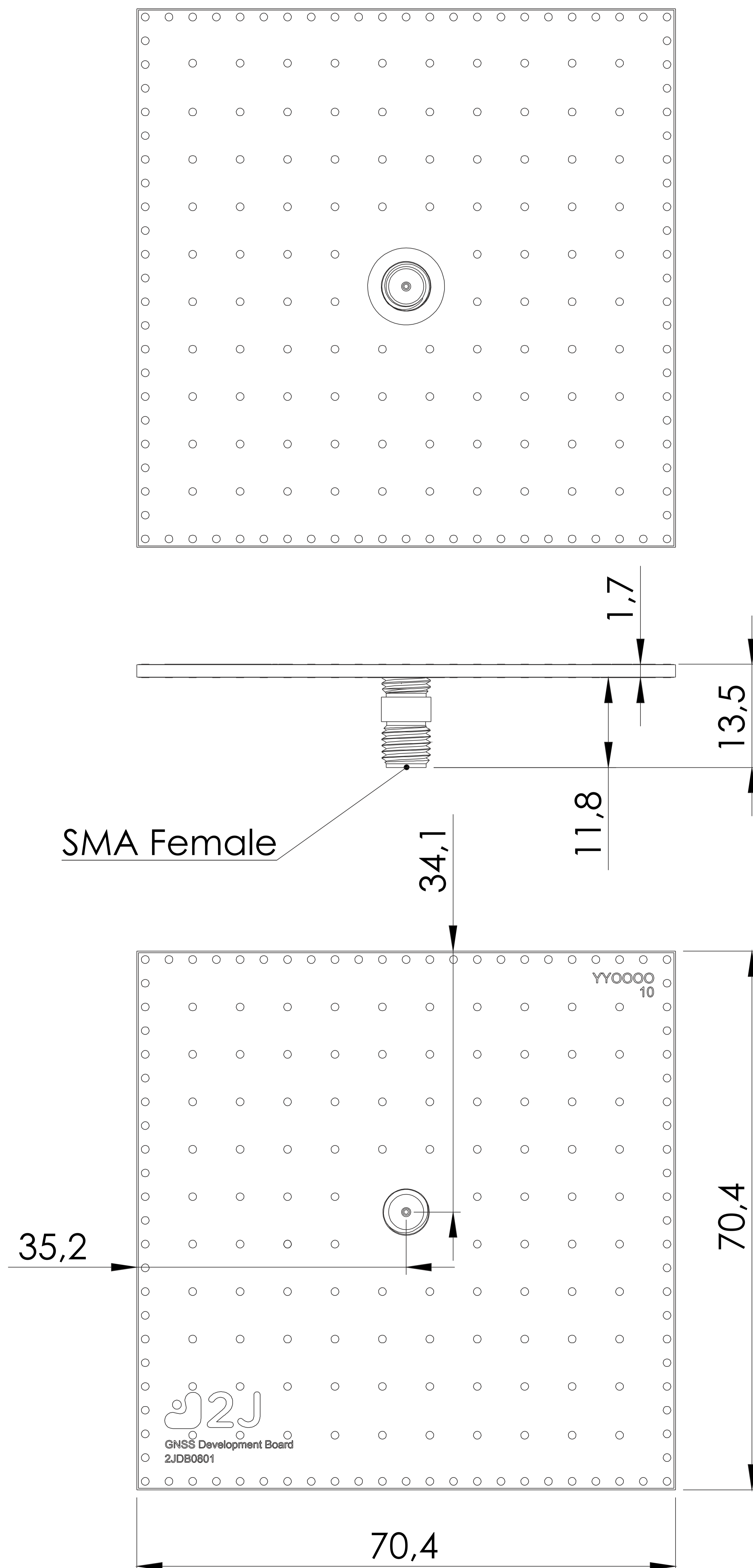
Layout for top layer



Layout for bottom layer



2JDB0801 Development board



5. Antenna Images

