

2JQ0126-3P

IRIDIUM Thru-Hole Quadrifilar Helix Antenna (QFA)

PATENT PENDING

Key Features

IRIDIUM

- 1616-1627 MHz

Thru-Hole Mount

3-Pin Header

2.0 mm pitch

RHCP

Axial Ratio below 1dB

Peak Gain 1 dBiC

Dimensions \varnothing 13.5 × 35.1 mm



1. Antenna and electrical specifications

Parameters	IRIDIUM QUADRIFILAR HELIX Antenna
Standards	Iridium
Bands (MHz)	1621
Frequency (MHz)	1616-1627
Return Loss (dB)	~ -13.6 dB
VSWR	~ 1.5:1
Efficiency (%)	~ 45
Peak Gain (dBic)	~ 1.0
Impedance (Ohms)	50
Axial Ratio (dB)	1 max
Radiation Pattern	Hemispherical
Polarization	RHCP
Connector Type	3-Pin Header (2.0mm Pitch)

Antenna Measurement Conditions:

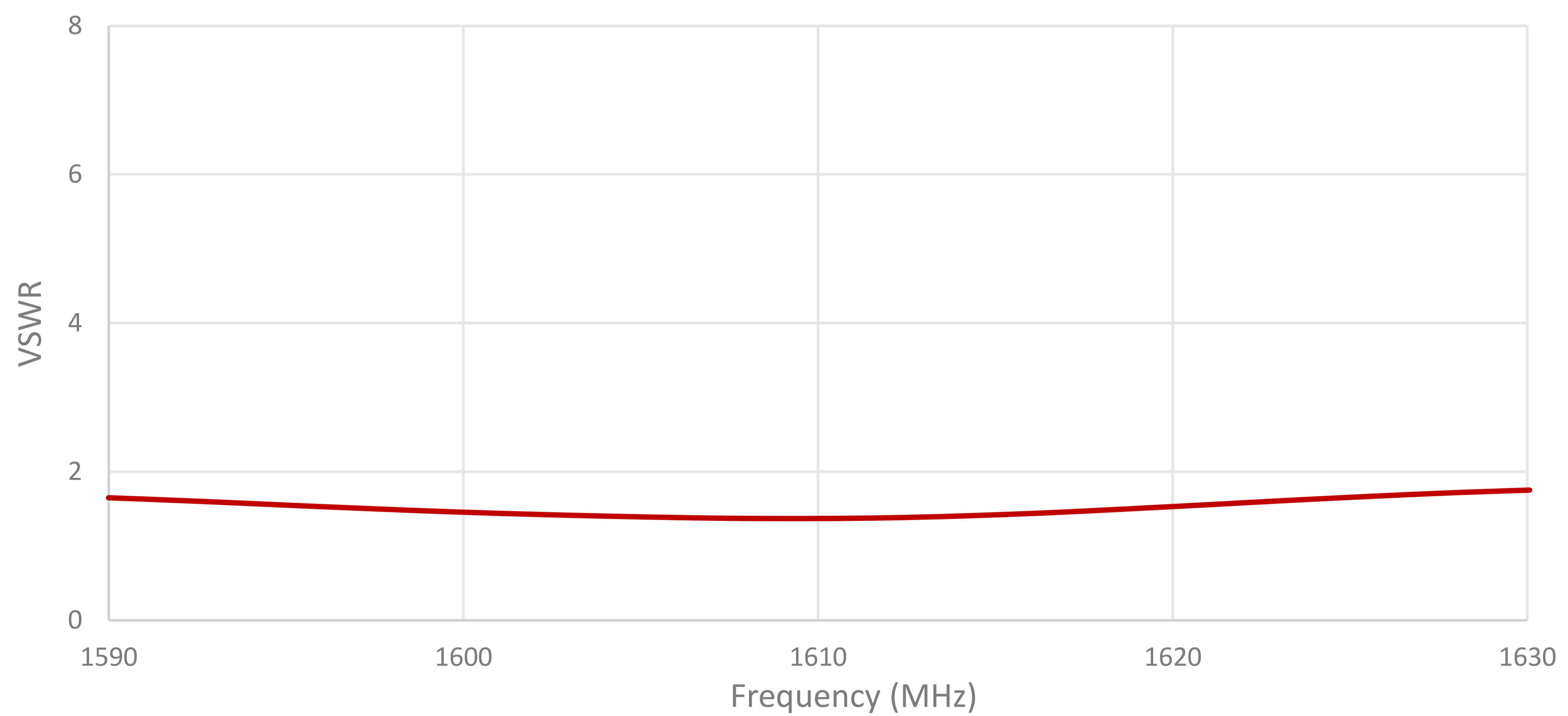
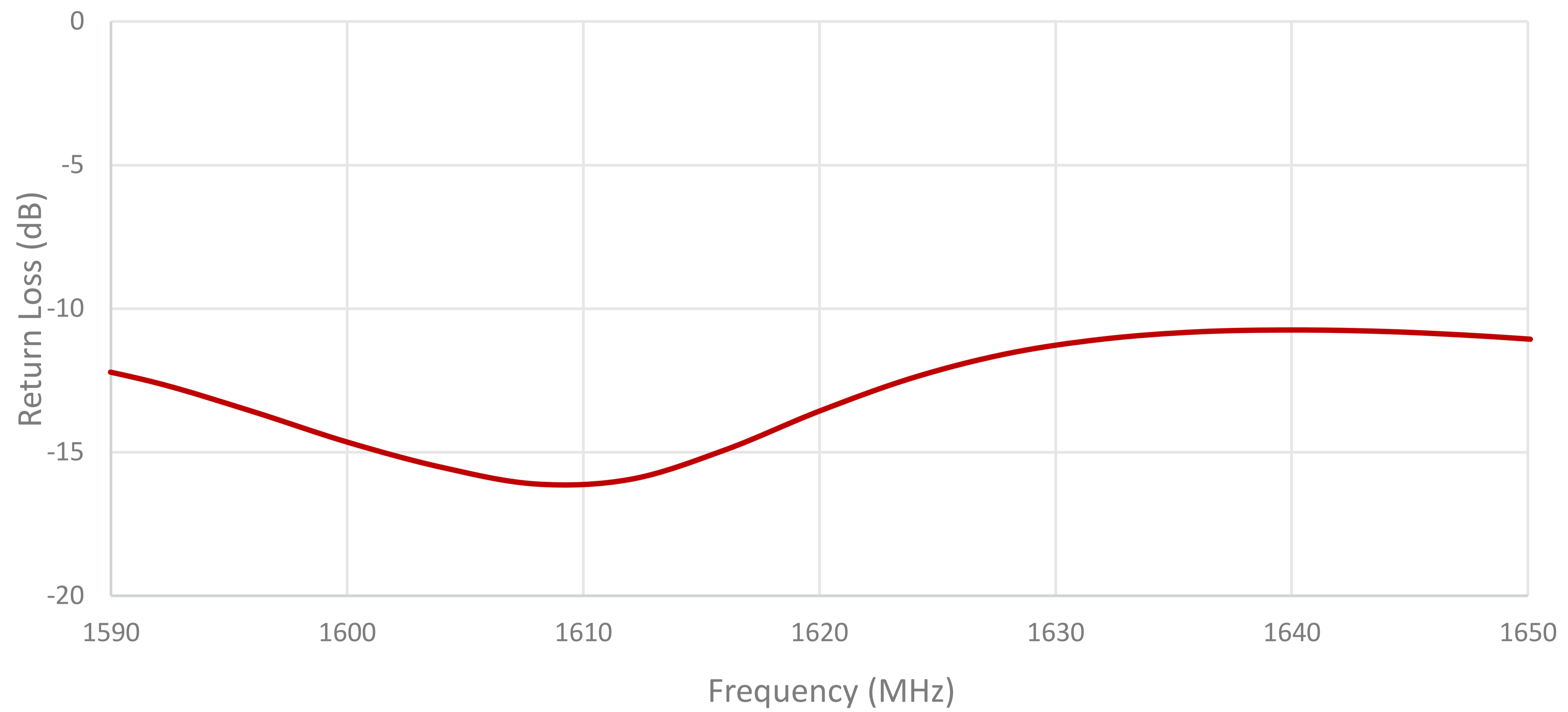
Measure on Ground Plane of 80x40mm

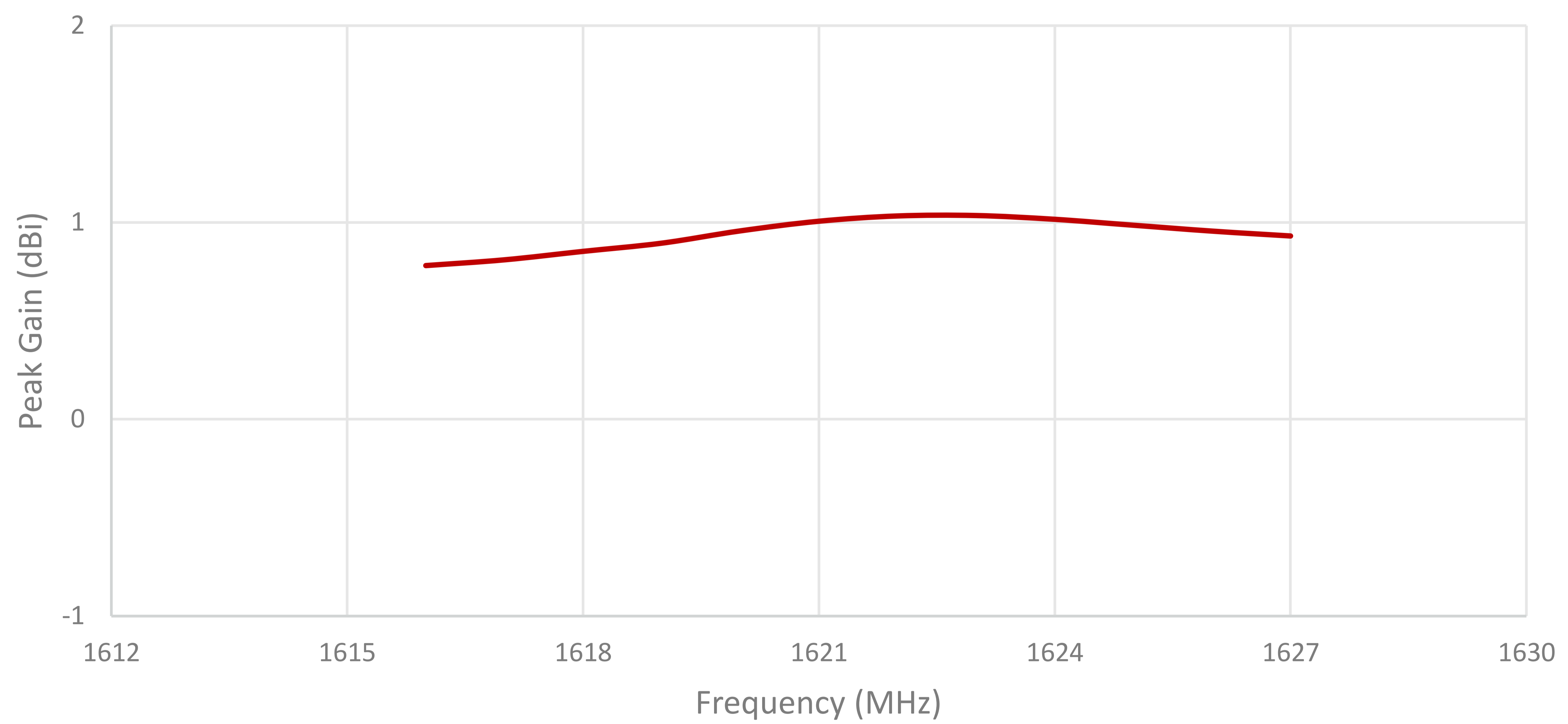
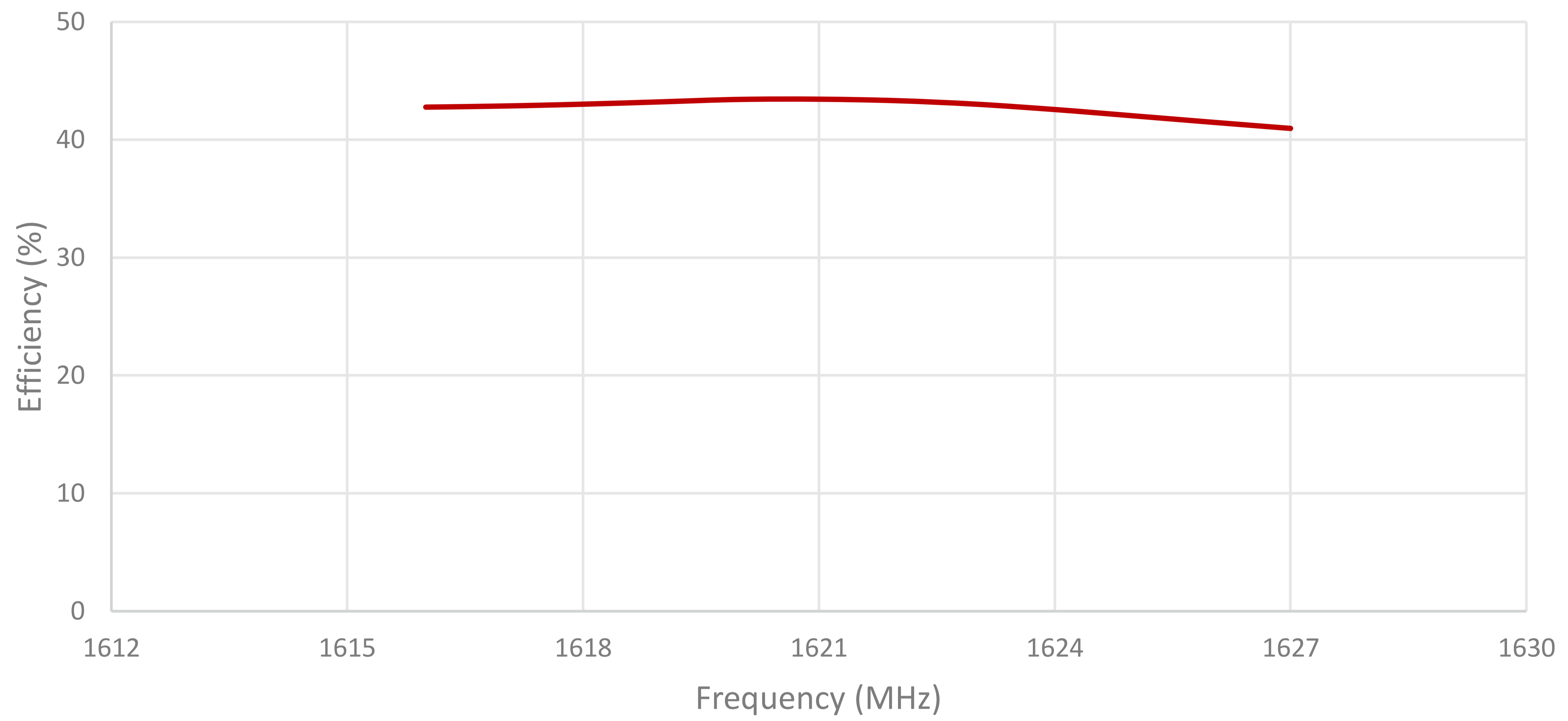
Measured in Certified CTIA 3D Anechoic Chamber

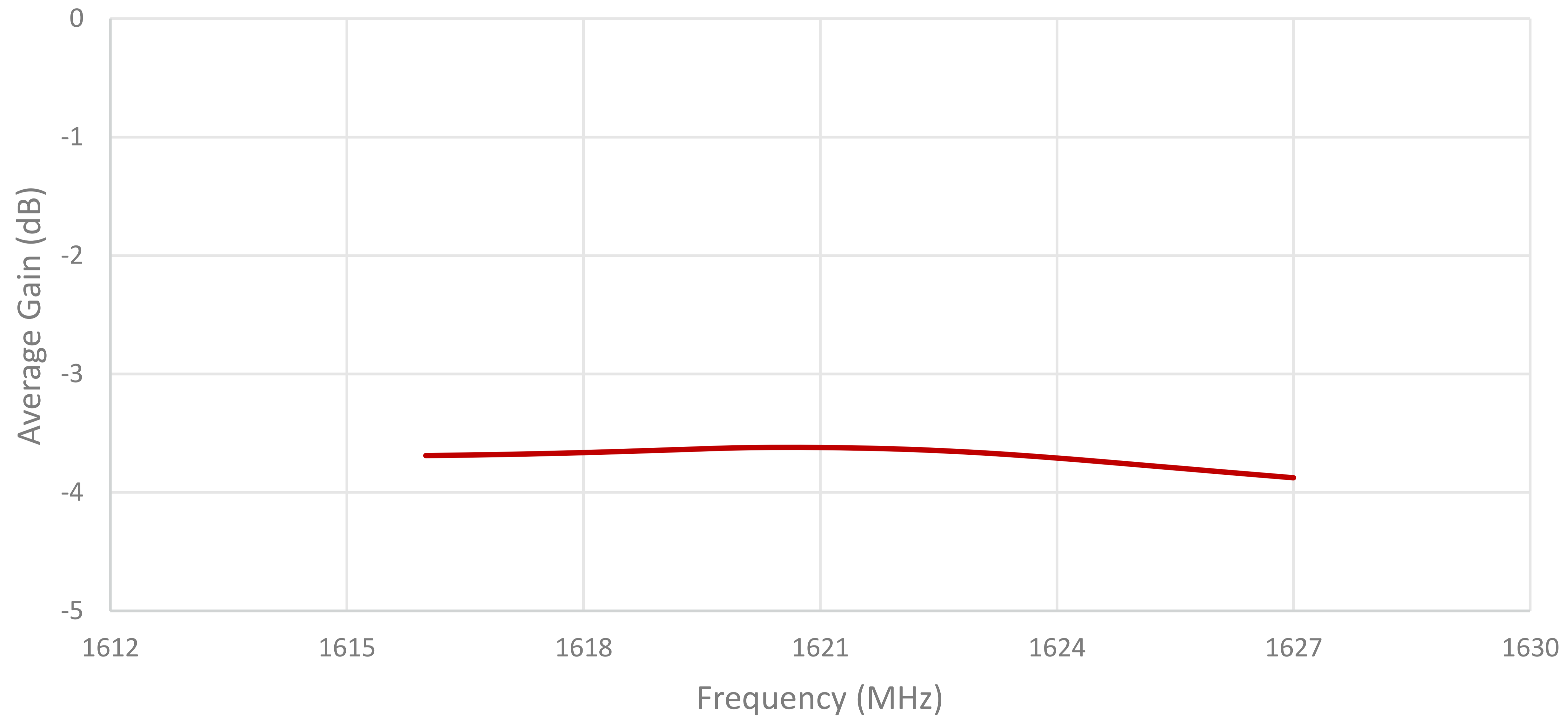
2. Mechanical and environmental specifications

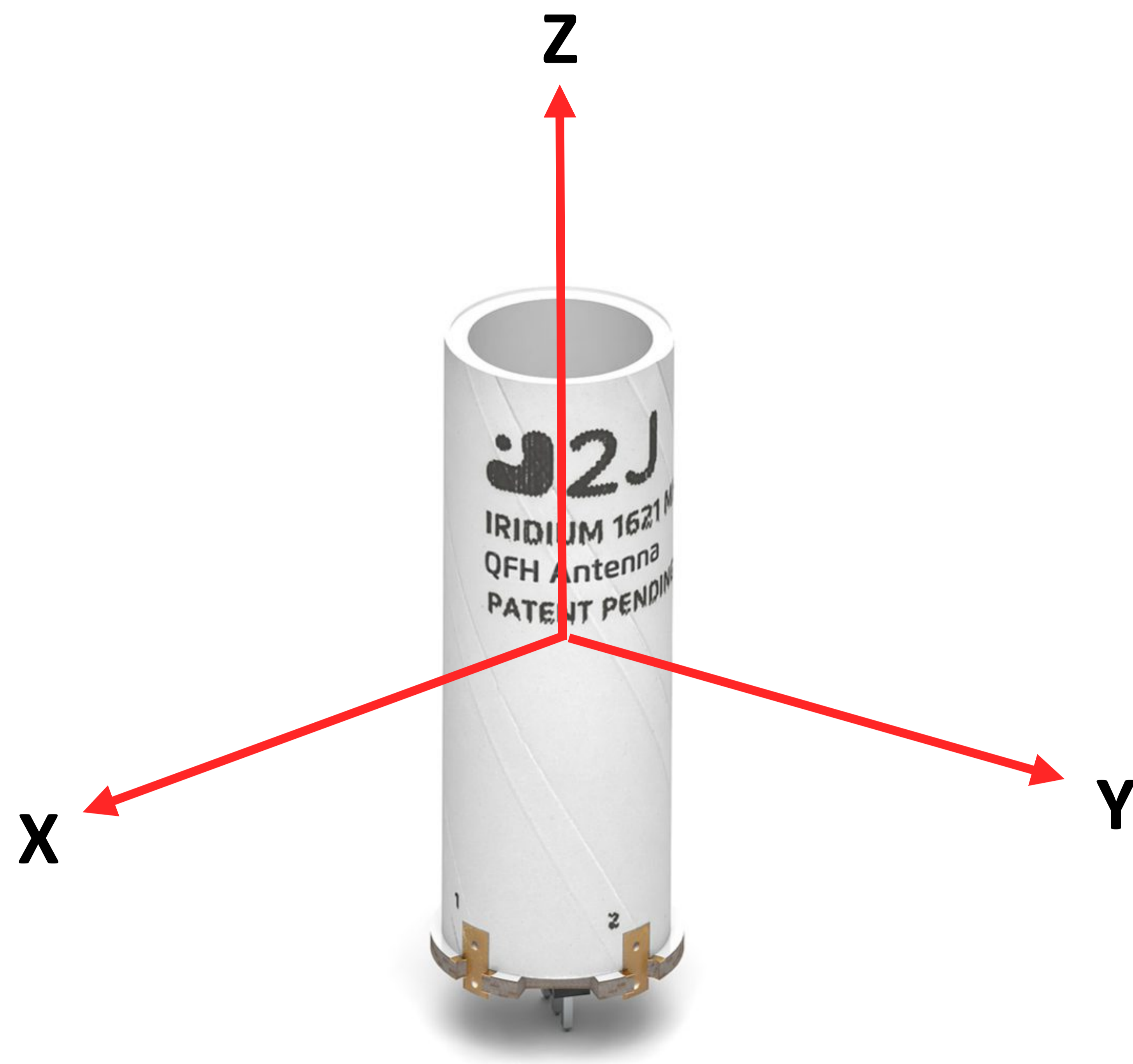
Specifications	2JQ0126
Mounting Type	Thru-Hole Mount
Dimensions (mm)	Ø 13.5 × 35.1
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

3. Antenna parameters

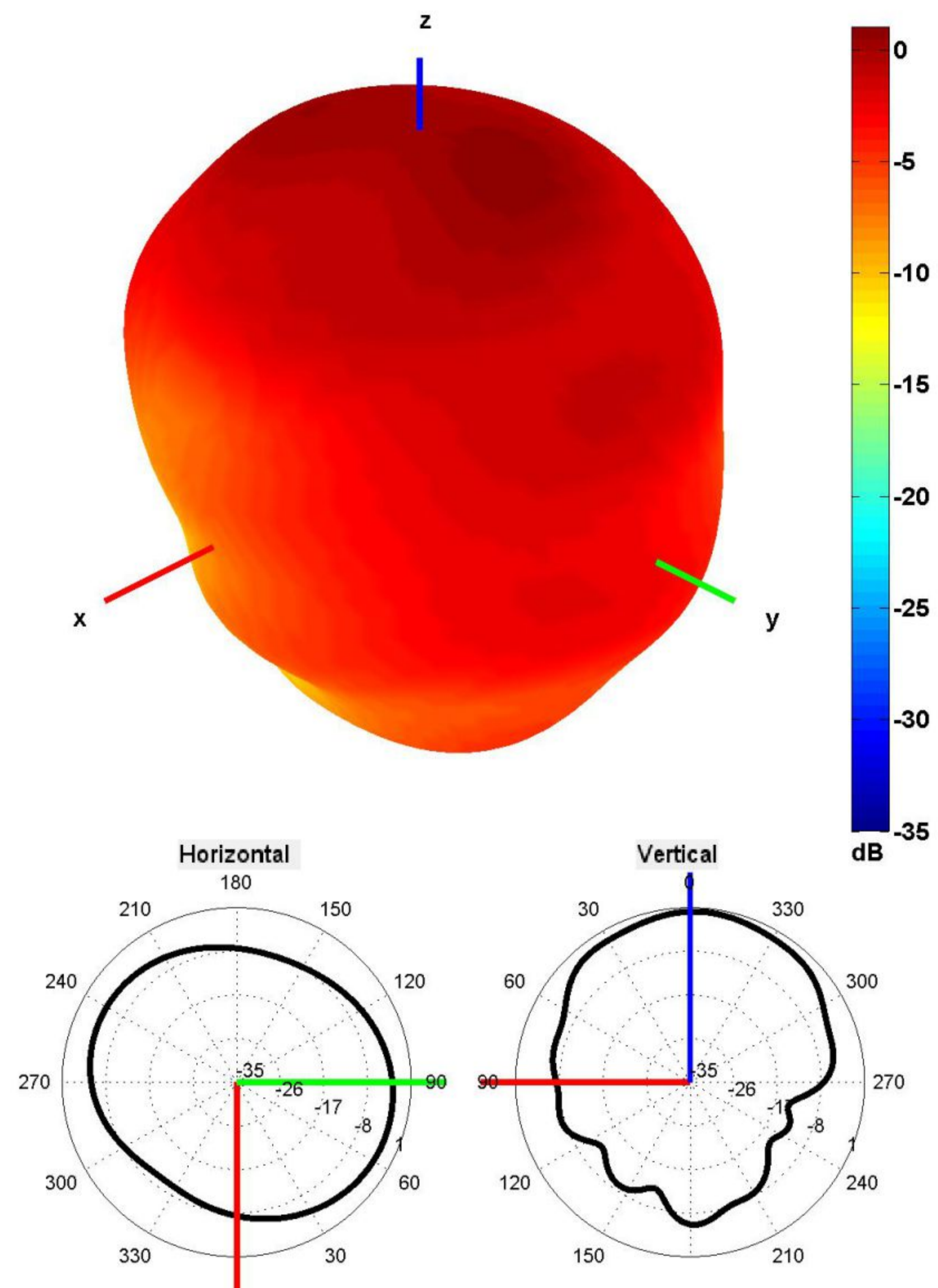






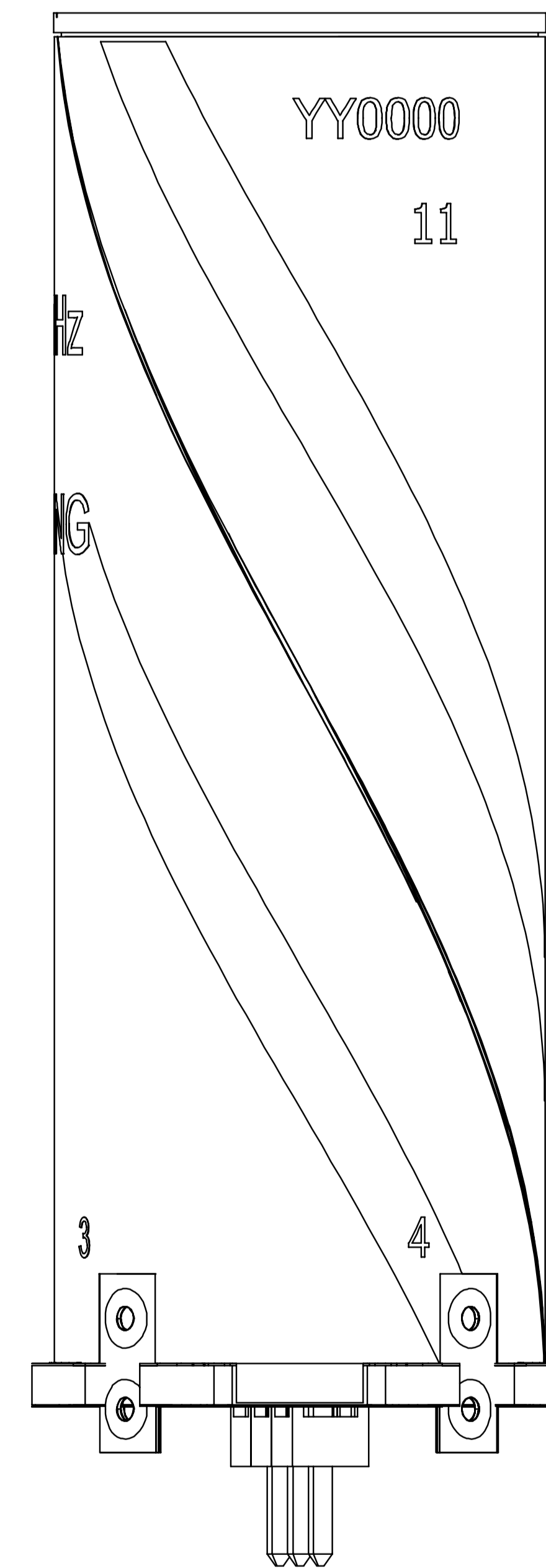
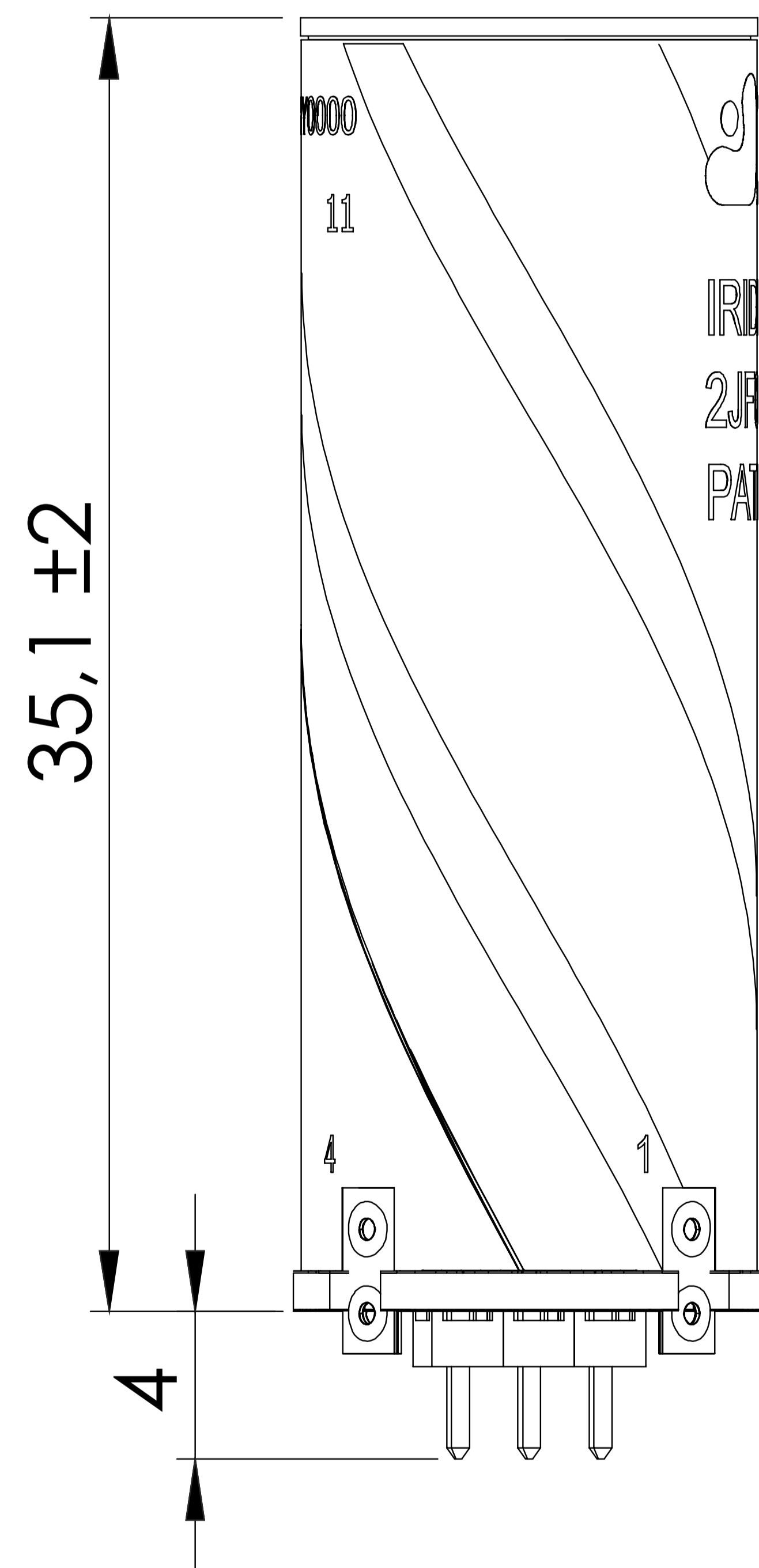
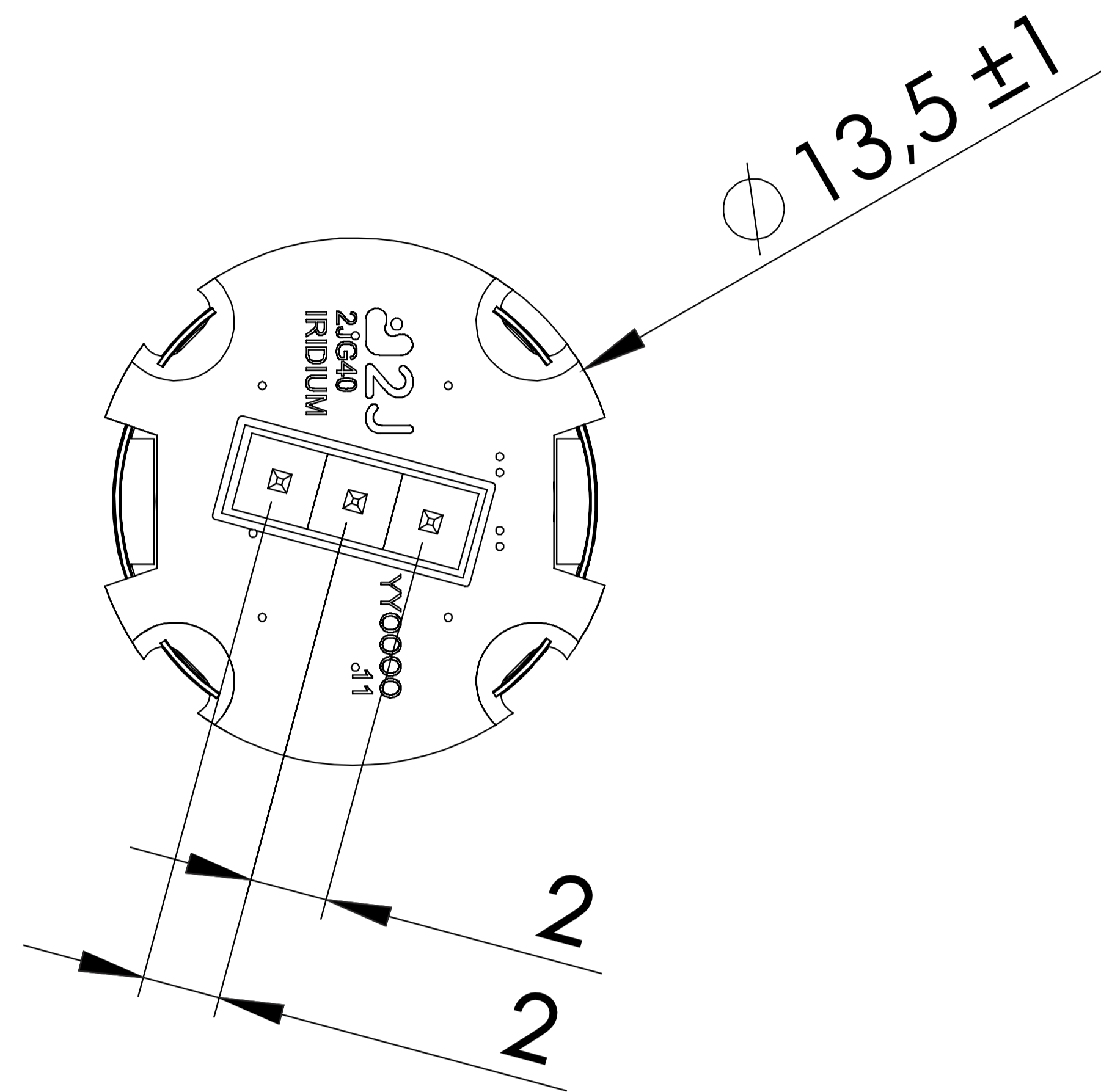


Radiation pattern reference



1621 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

