

2JCP2543501c

GLOBALSTAR Ceramic Thru-Hole Mount

Key Features

GLOBALSTAR

- 1610-1619 MHz

Single Feed Technology

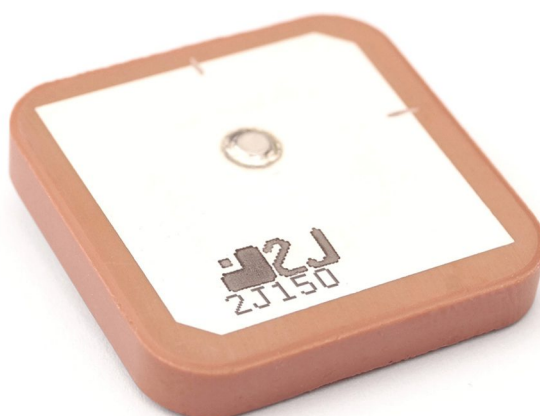
Thru-Hole Mount

Left-Hand Polarization

High Performance

Ground Plane Dependent

Dimensions 25 × 25 × 4 mm



1. Antenna and electrical specifications

Parameters	GLOBALSTAR Ceramic Thru-Hole Mount Antenna
Standards	Globalstar
Bands (MHz)	1615
Frequency (MHz)	1610-1619
Return Loss (dB)	~-20.1
VSWR	~1.2:1
Efficiency (%)	~77.2
Peak Gain (dBi)	~4.6
Average Gain (dB)	~-1.2
Impedance (Ohms)	50
Axial Ratio (dB)	3 max.
Radiation Pattern	Hemispherical
Polarization	LHCP

Antenna Measurement Conditions:

Free Space

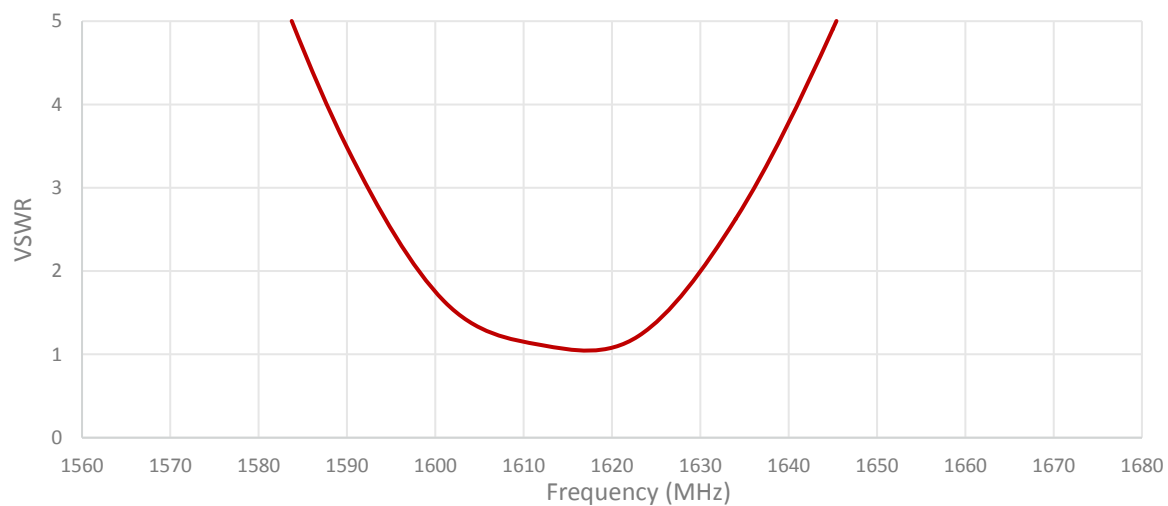
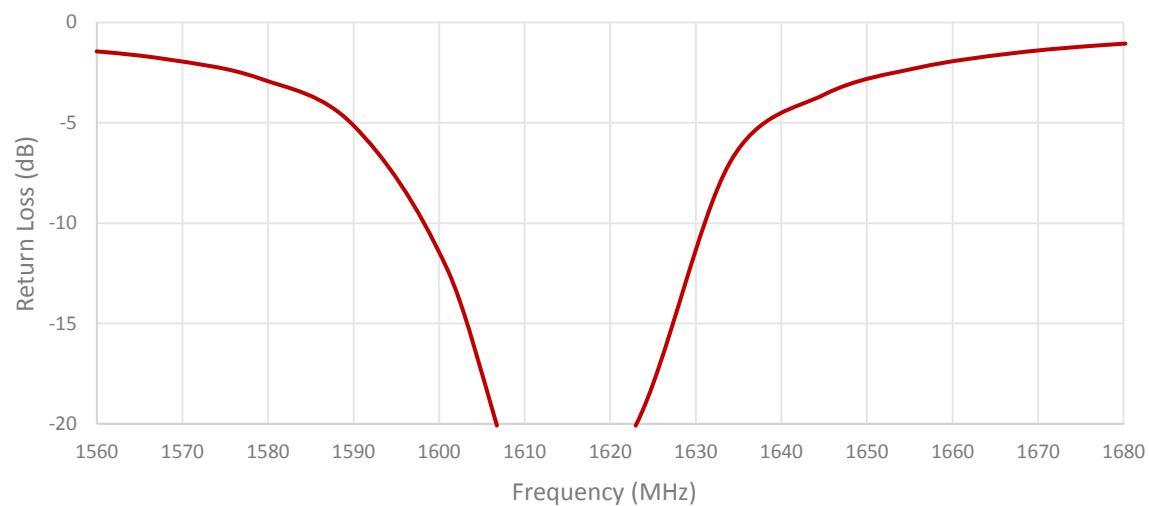
Mounted on Ground Plane of 70 x 70 mm

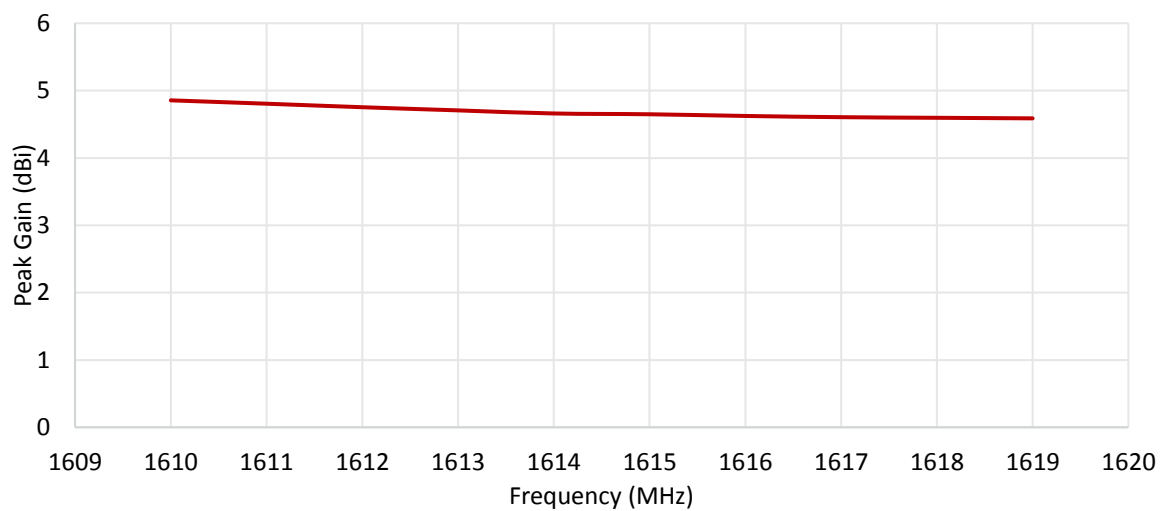
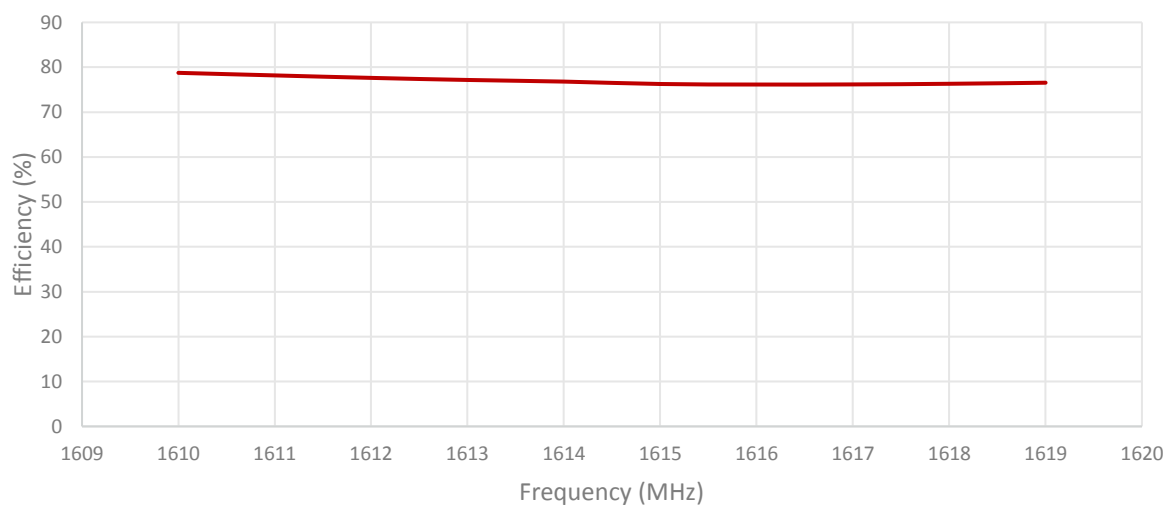
Measured in Certified CTIA 3D Anechoic Chamber

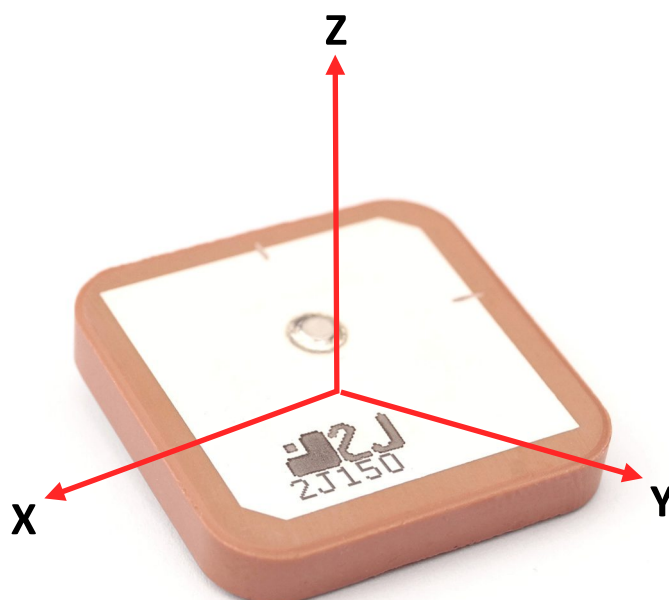
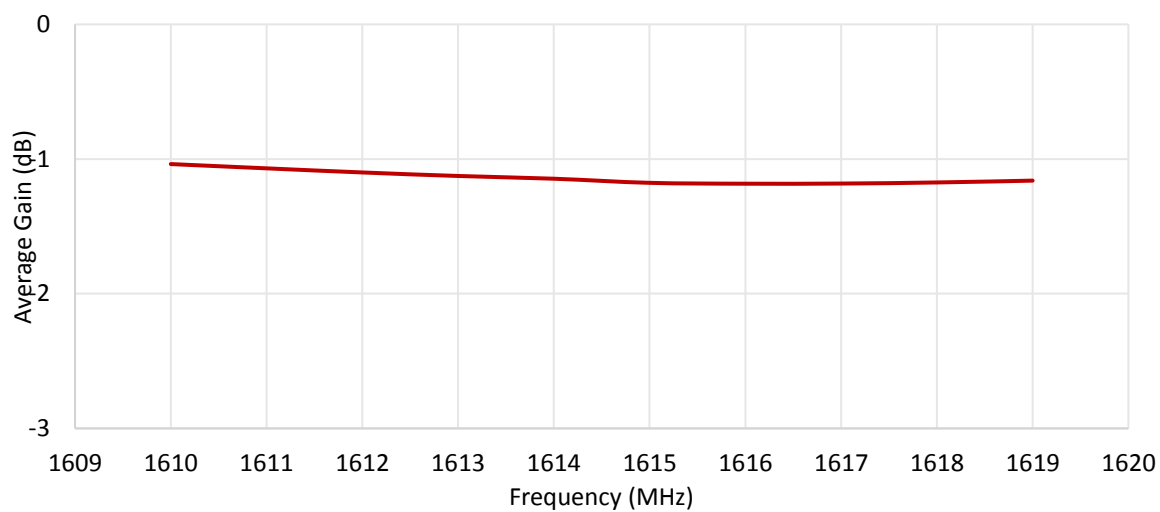
2. Mechanical and environmental specifications

Specifications	2JCP2543501c
Mounting Type	Thru-Hole Mount
Adhesive Type	Nitto 5000NS
Dimensions (mm)	25 × 25 × 4
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

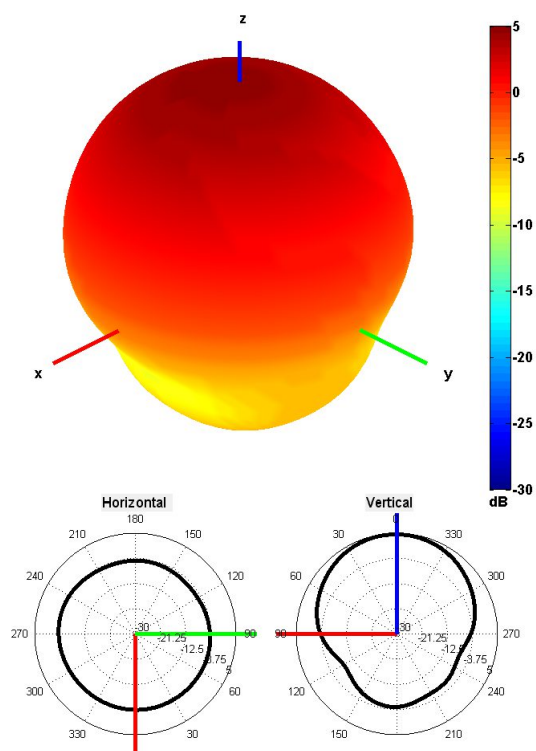
3. Antenna parameters





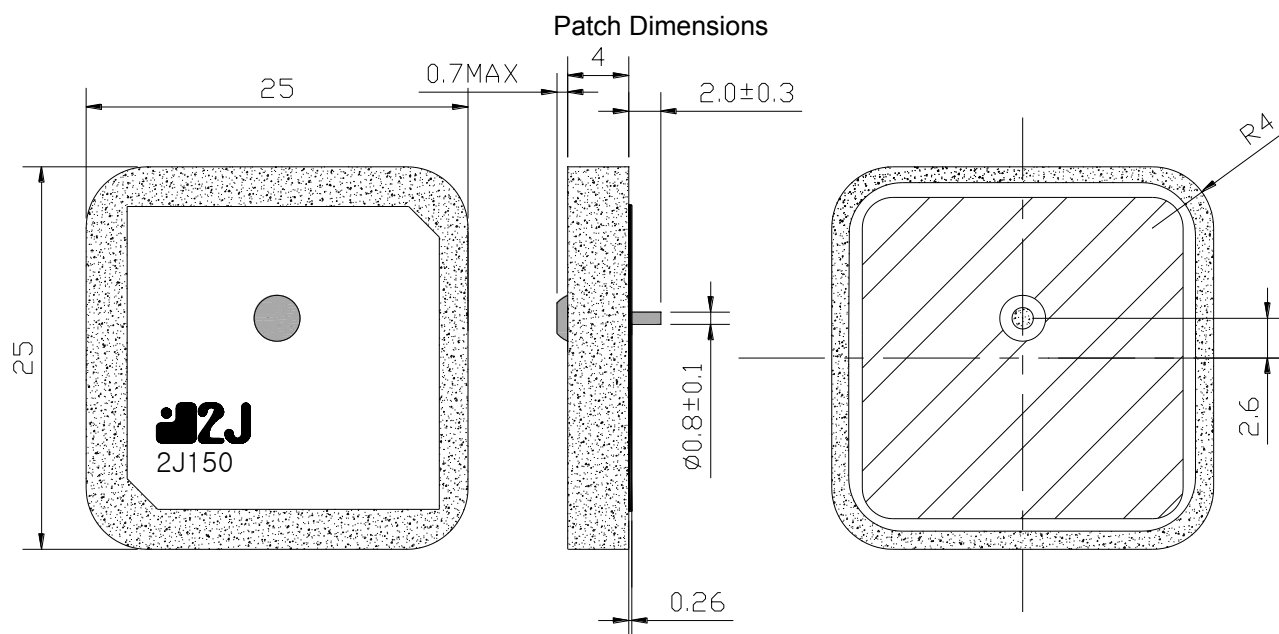


Radiation pattern reference

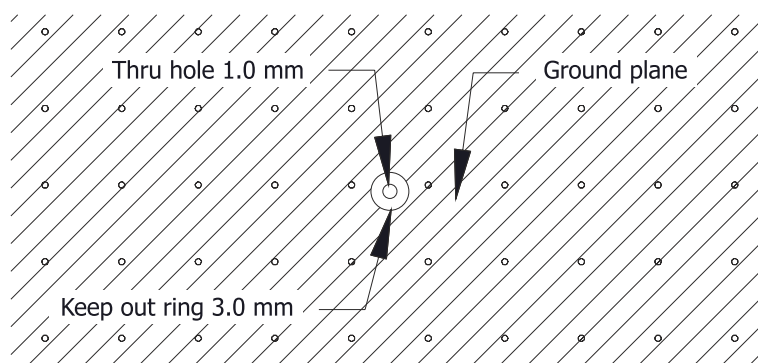


1615 MHz RADIATION PATTERN

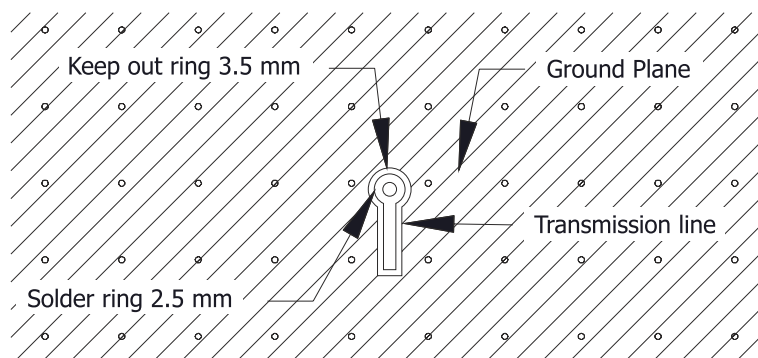
4. Antenna drawings



Layout for top layer



Layout for bottom layer



5. Antenna Images

