



# GNSS Ceramic Thru-Hole Mount Antenna



Part Number: G-2RE3

25\*25 \*4 mm  
RoHS/RoHS II Compliant

## Features

- High Gain
- Compact Size and Low Profile
- Pin Type
- Customization Available
- IP67 rated
- RoHS Compliance

## Applications

- Automotive navigation
- Marine buoys
- Surveying equipment
- Cell phone
- Laptop
- Healthcare and medical monitoring devices
- PND & PDA

## Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Notes
GPS/QZSS/Galileo Frequency	1616-1627			MHz	
IRIDIUM Frequency	1575.42			MHz	
-10dB Bandwidth	6			MHz	
Gain (Zenith@90°)		5.7		dB	(Peak gain on standardized Ground Plane.)
VSWR at CF	1.0		1.3		
Impedance	50			$\Omega$	
Polarization Model	RHCP				(Right Hand Circular Polarization)
Frequency Temperature Coefficient			20	ppm/°C	

(\*) Application environment, including size of ground plane will affect stated performance. Fine tuning might be required when installed on customer's PCB.



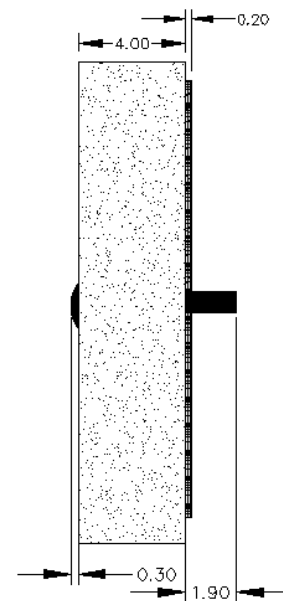
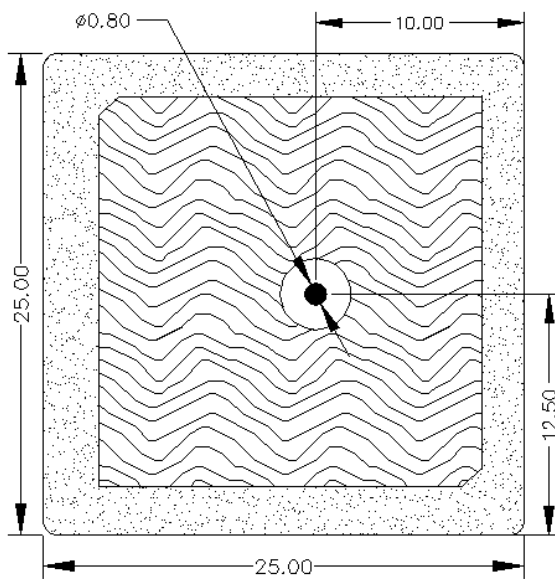
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## Product Dimensions & Pictures





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### Radiation pattern reference

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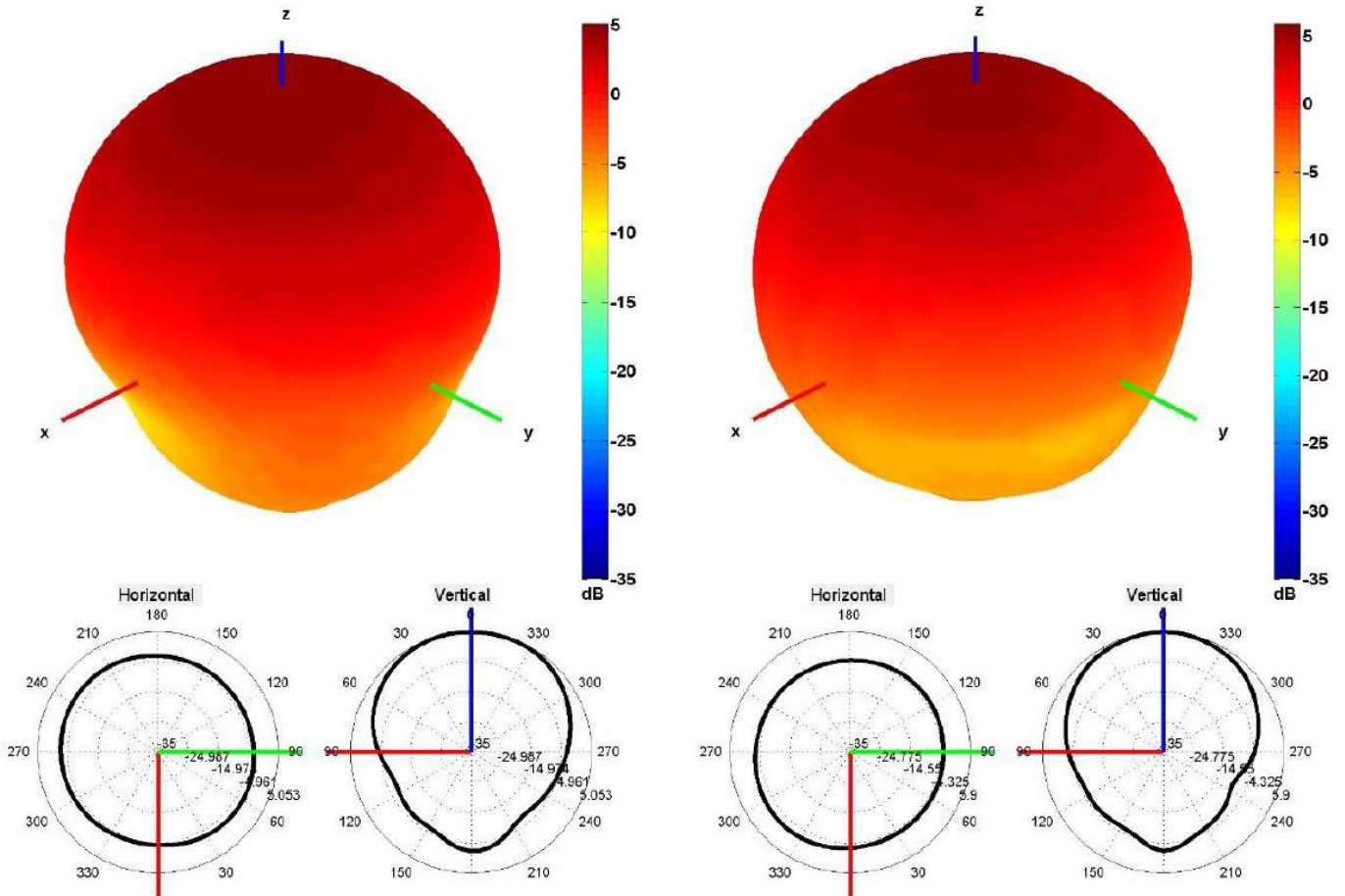


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1575 AND 1621 MHz RADIATION PATTERN

## Antenna parameters

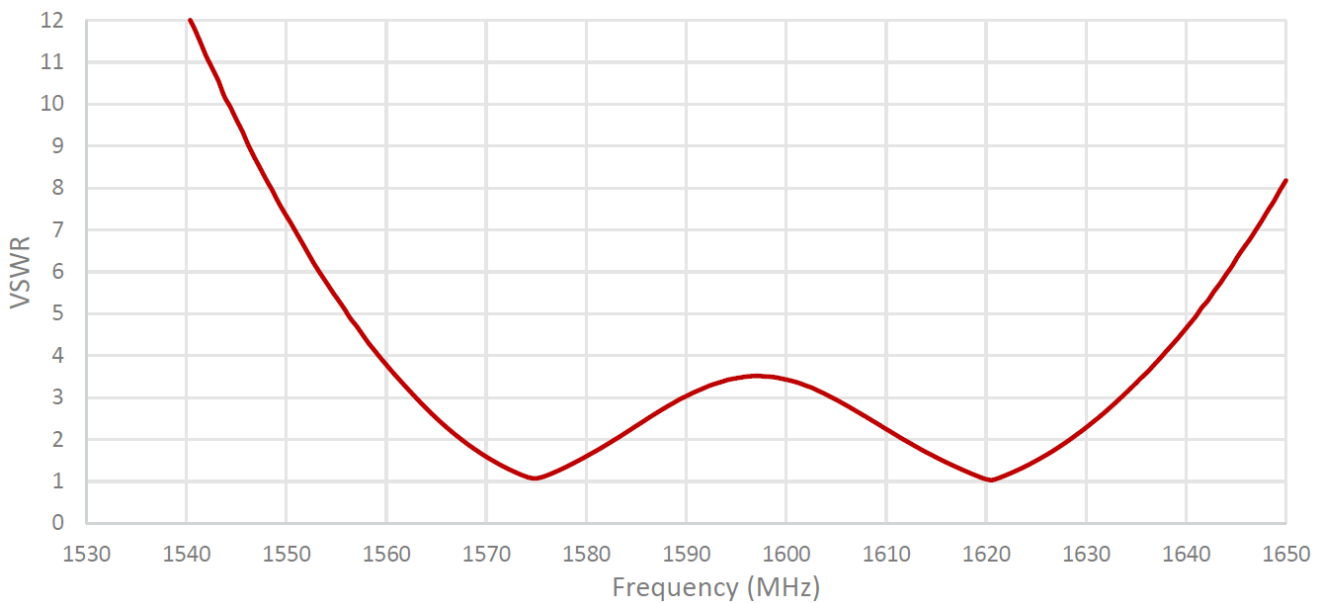
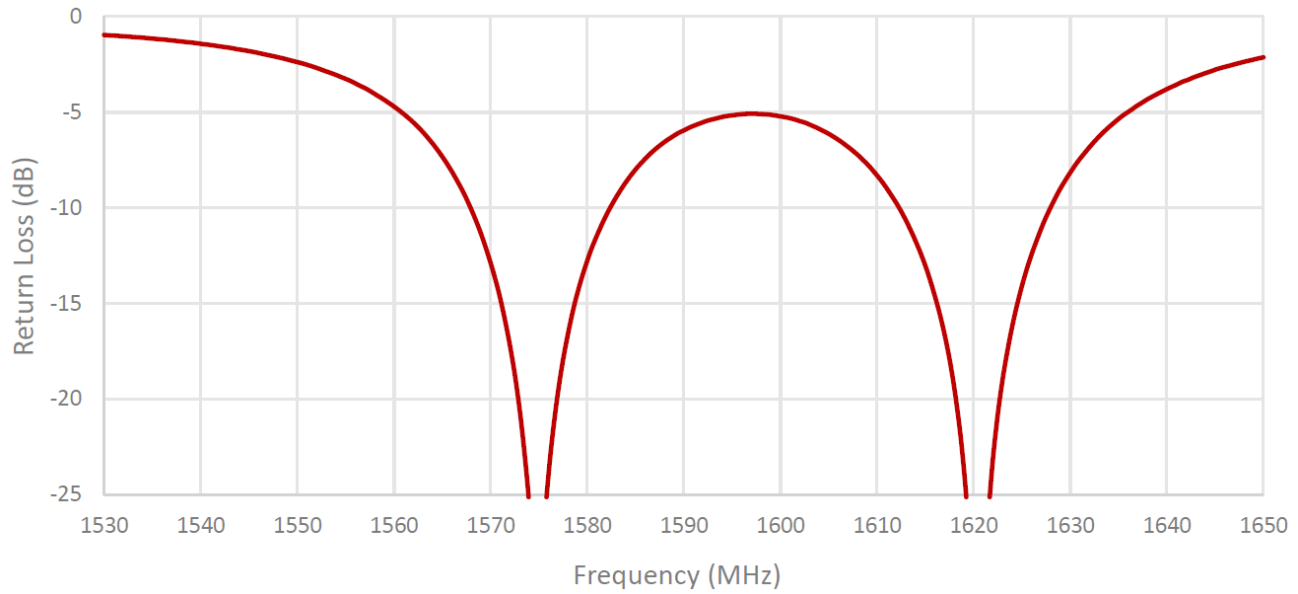


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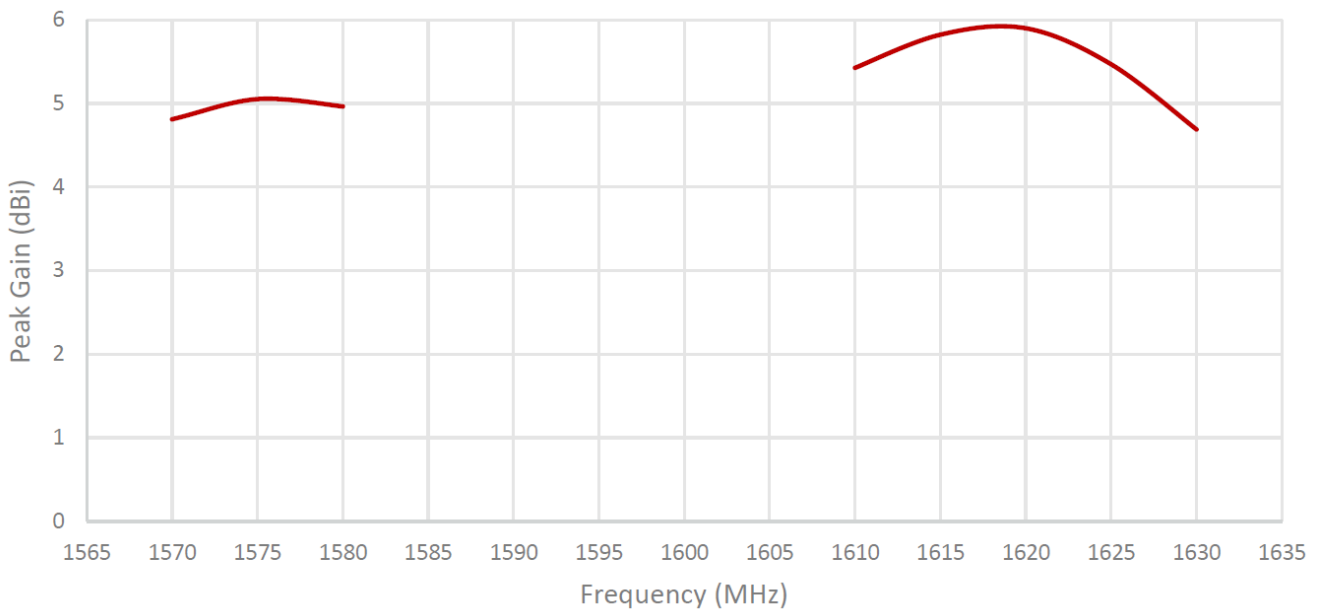
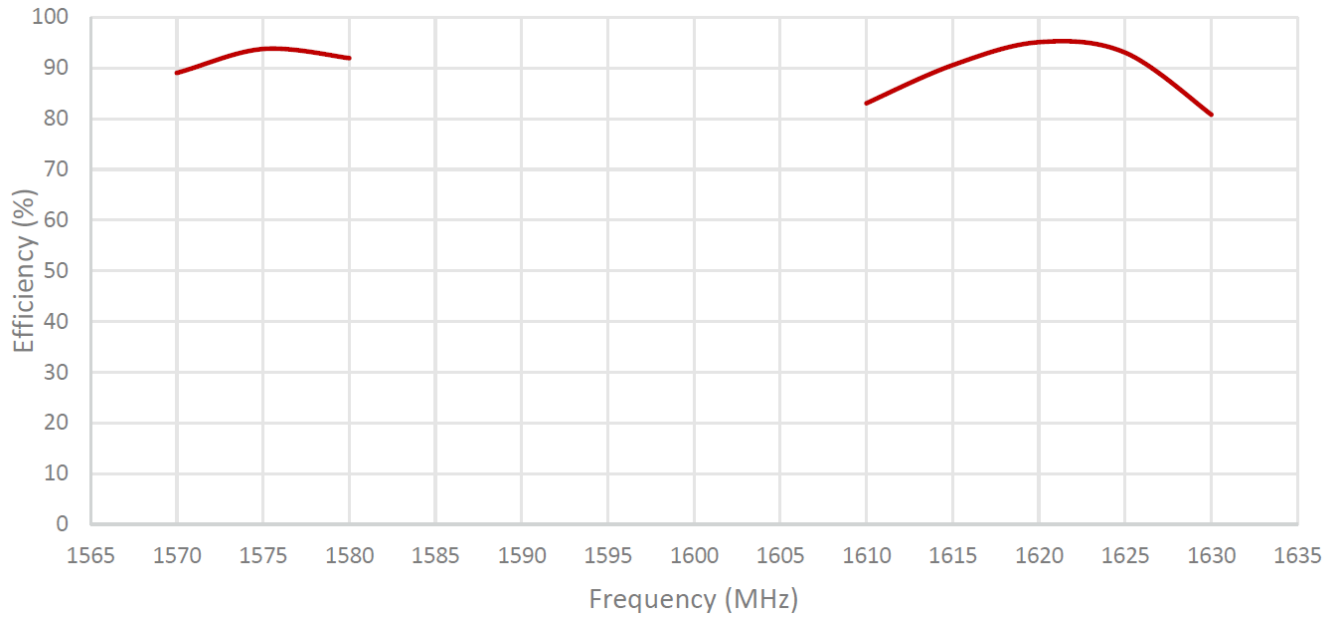


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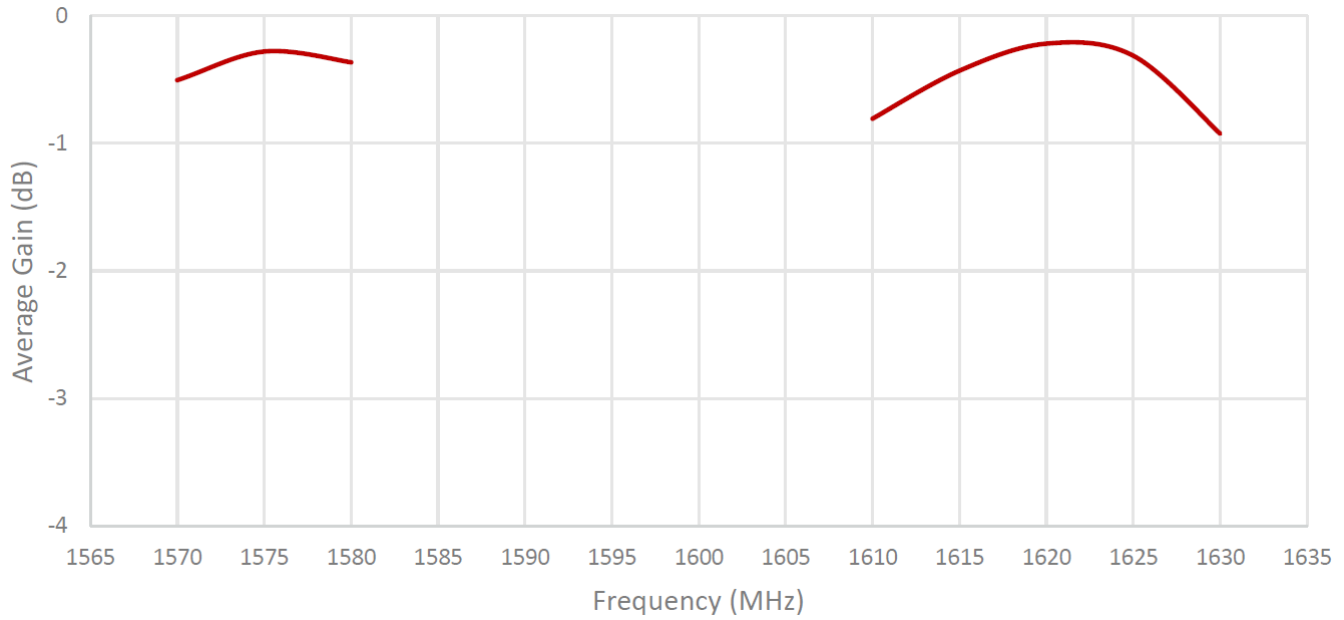


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MiotWireless

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### Packaging

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**TBD**

### Caution:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please ensure the component is thoroughly evaluated in the application circuit.