



GNSS Ceramic Thru-Hole Mount Antenna



15*15 *4 mm
RoHS/RoHS II Compliant

Part Number: G-2RE1

Features

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

Applications

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

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°)			3.1	dB	(Peak gain on standardized Ground Plane.)
VSWR at CF			1.3		
Impedance	50		Ω		
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.



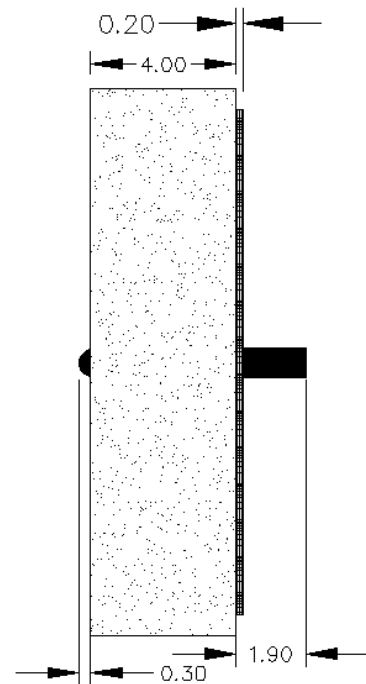
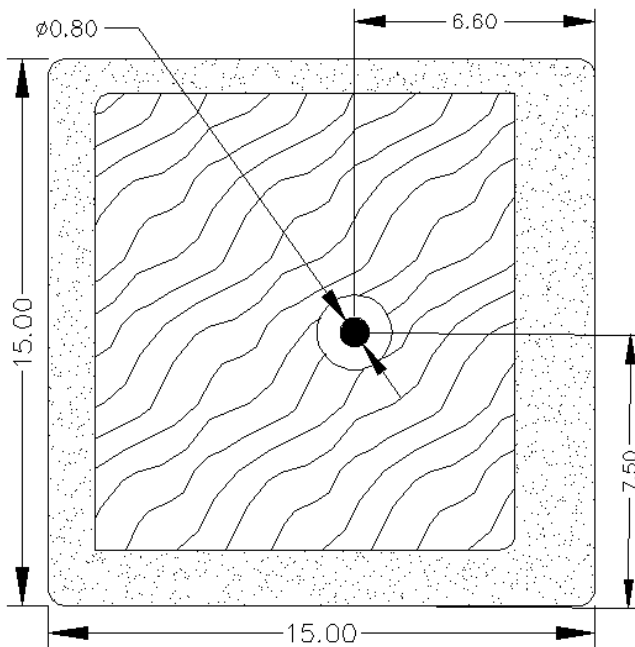
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Product Dimensions & Pictures





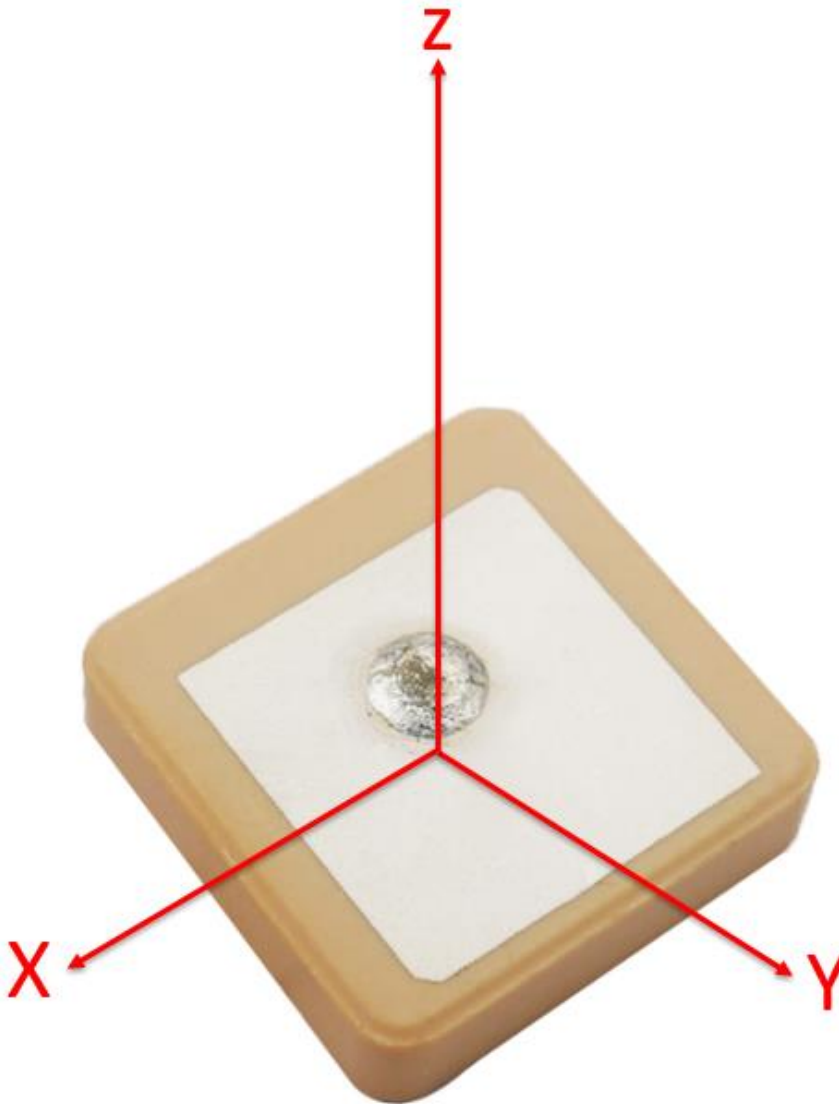
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Radiation pattern reference



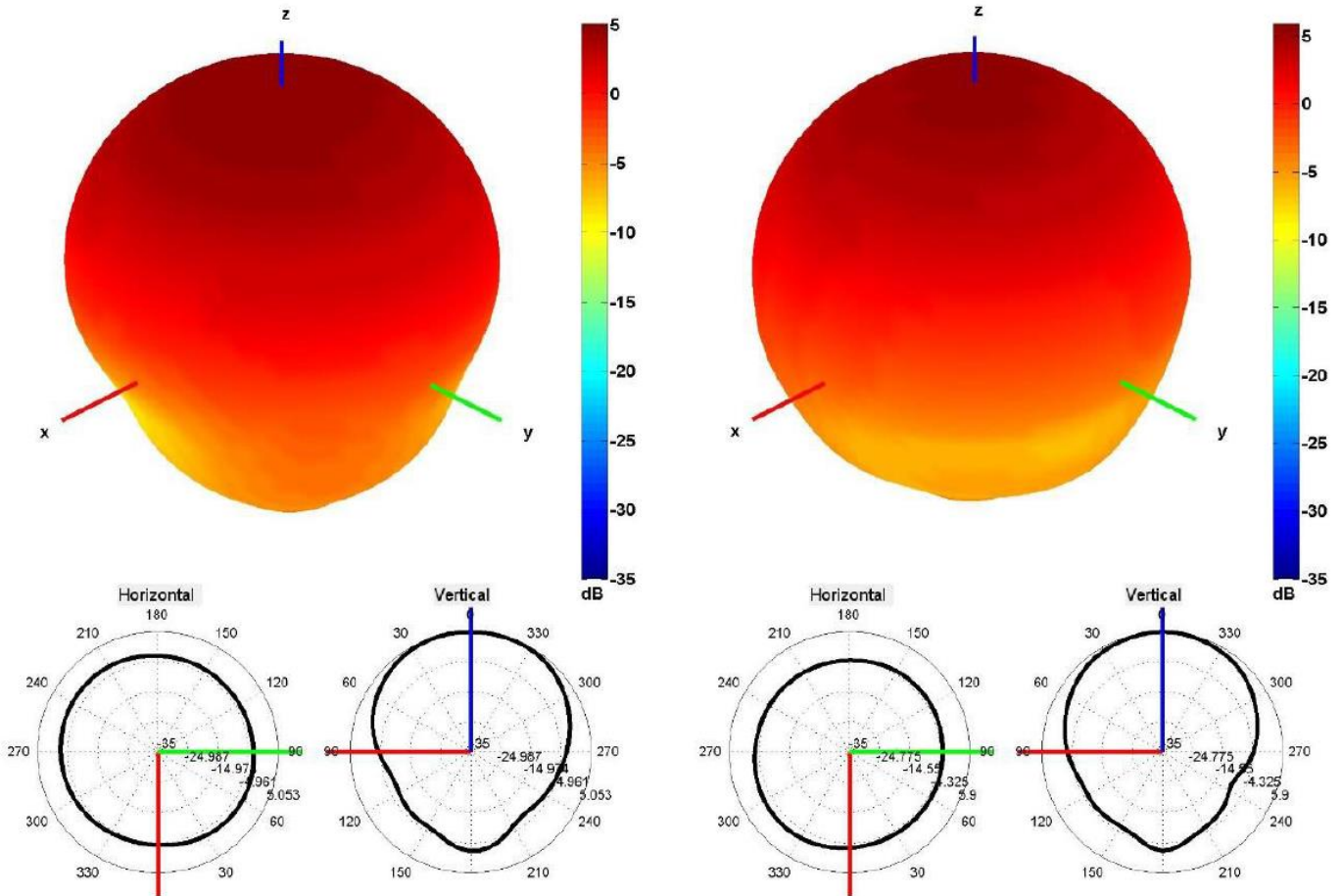


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1575 AND 1621 MHz RADIATION PATTERN



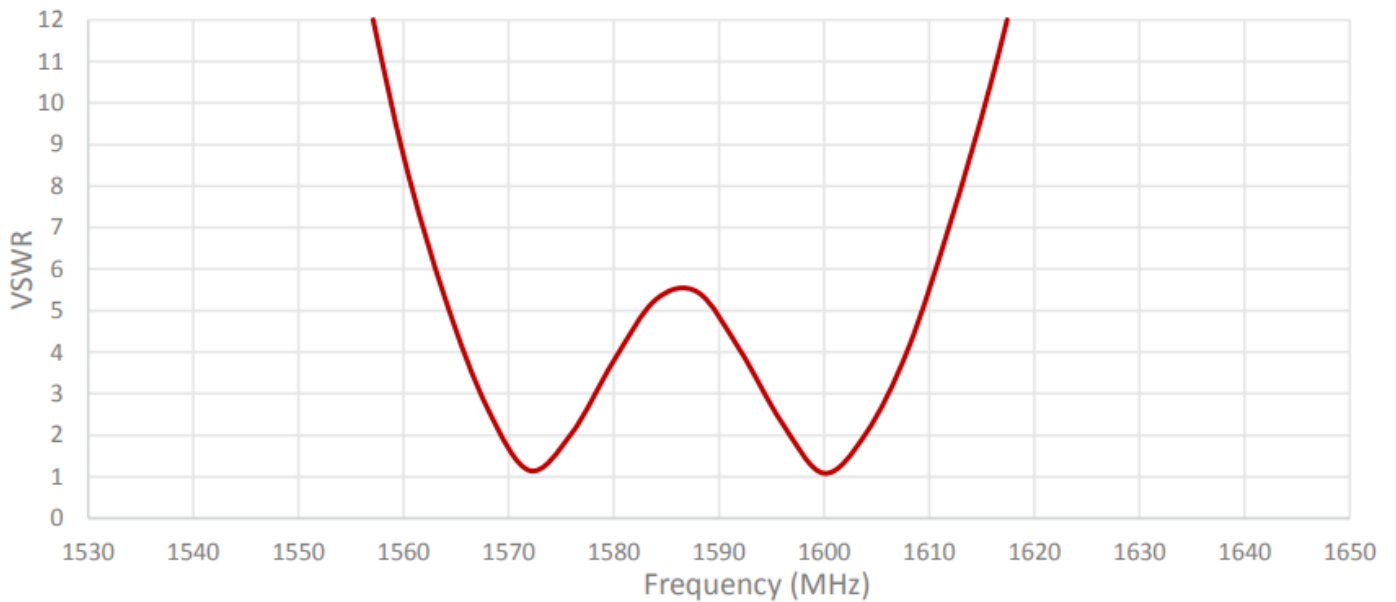
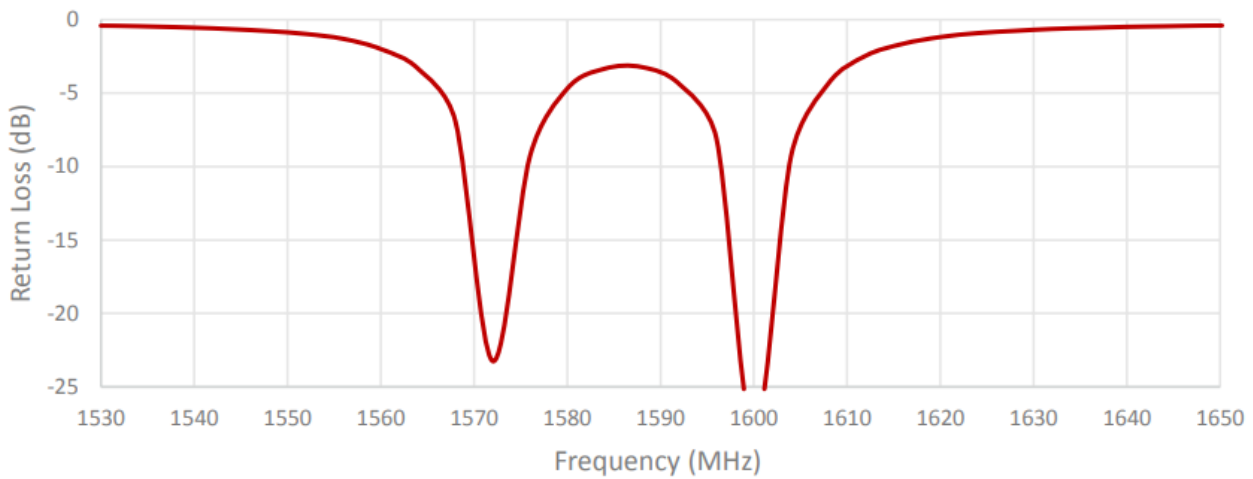
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Antenna parameters



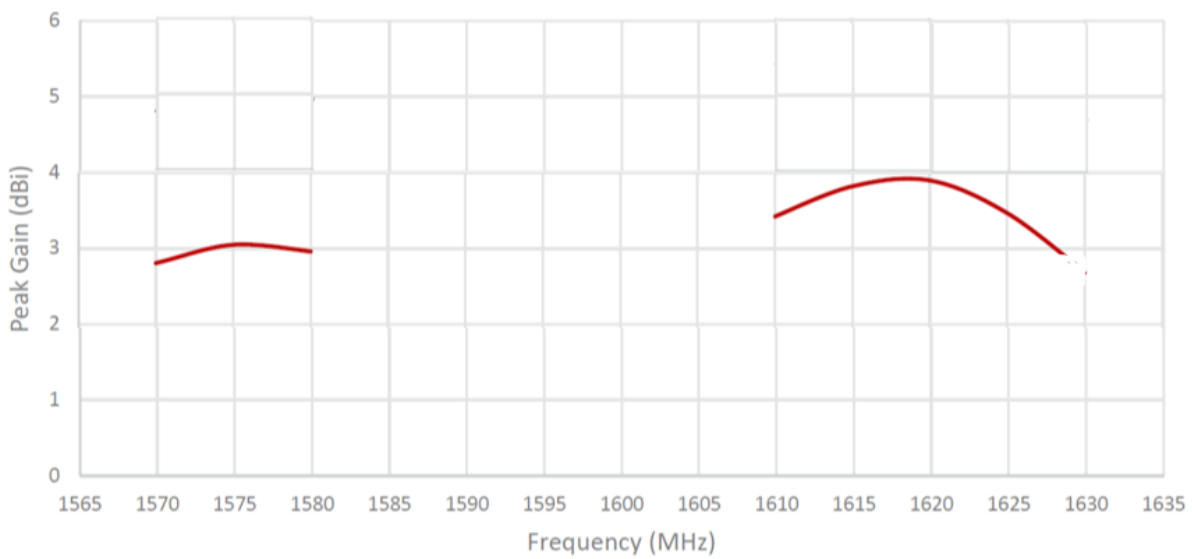
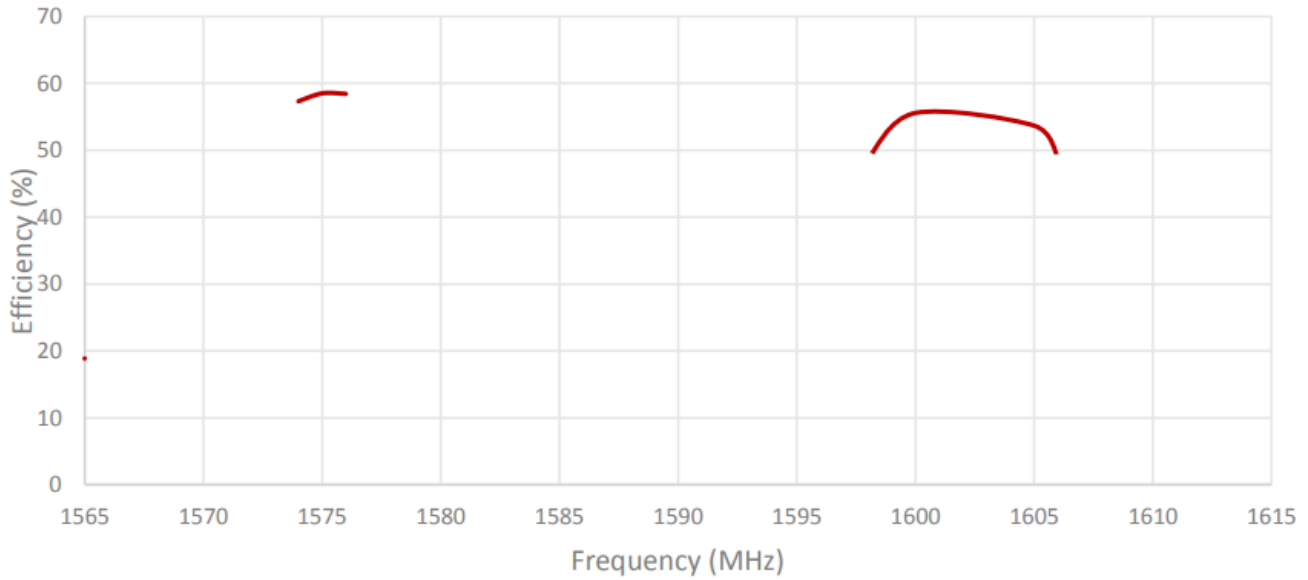


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MiotWireless

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Packaging

TBD



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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.