



# 433 MHz Internal Antenna



Part Number: S-2RA1

41 x 3 mm  
RoHS/RoHS II Compliant

## Features

- Low Frequency of 433 MHz
- VSWR  $\leq 1$
- Gain of 2 dBi
- Input power of 10W

## Applications

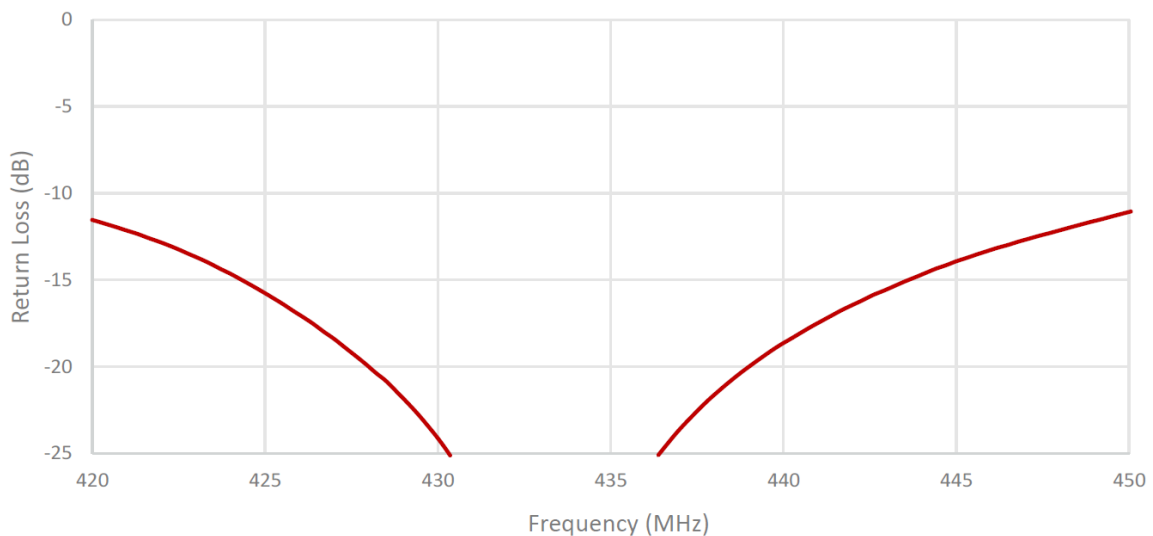
- Home Automation
- Medical Devices
- ISM Band
- LoRa
- SigFox
- RFID
- Remote Technology/Monitoring
- Smart Meters

## Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Notes
Frequency Range		433		MHz	
Bandwidth		CF $\pm 5$ MHz			
VSWR			1		
Polarization Model	Linear				
Impedance		50		$\Omega$	

## Antenna parameters

Gain		2		dBi	Zenith
Operating Temperature	-40		+85	$^{\circ}\text{C}$	
Input Power			10	W	



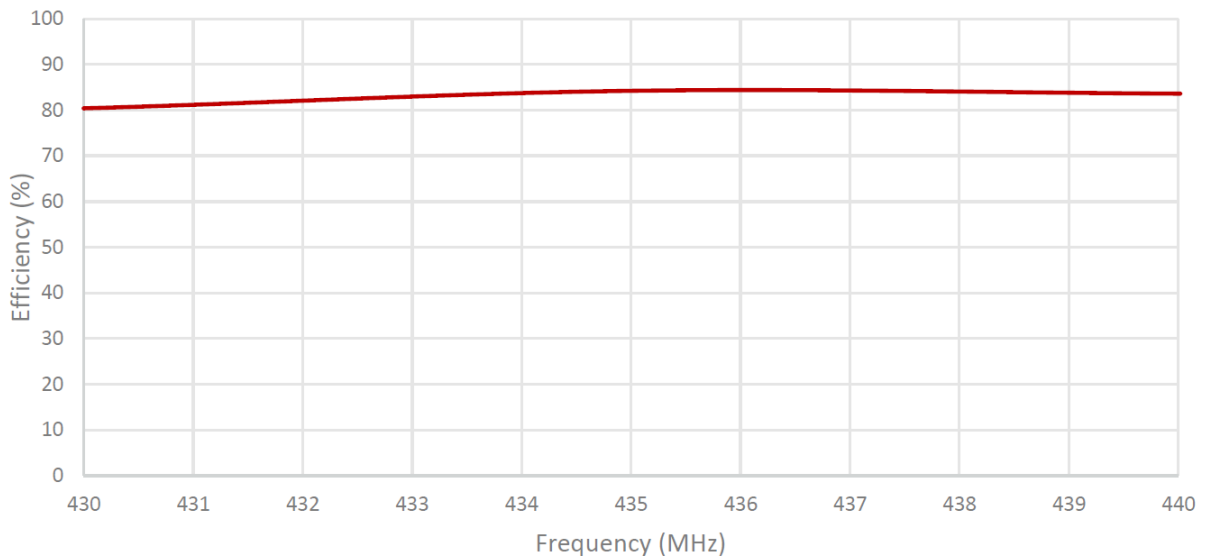
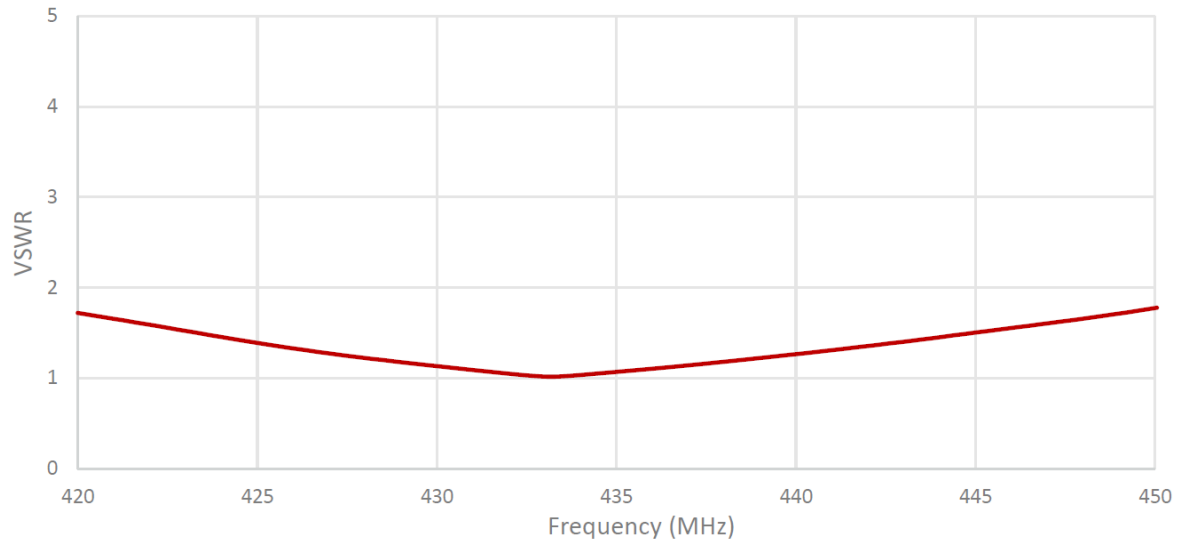


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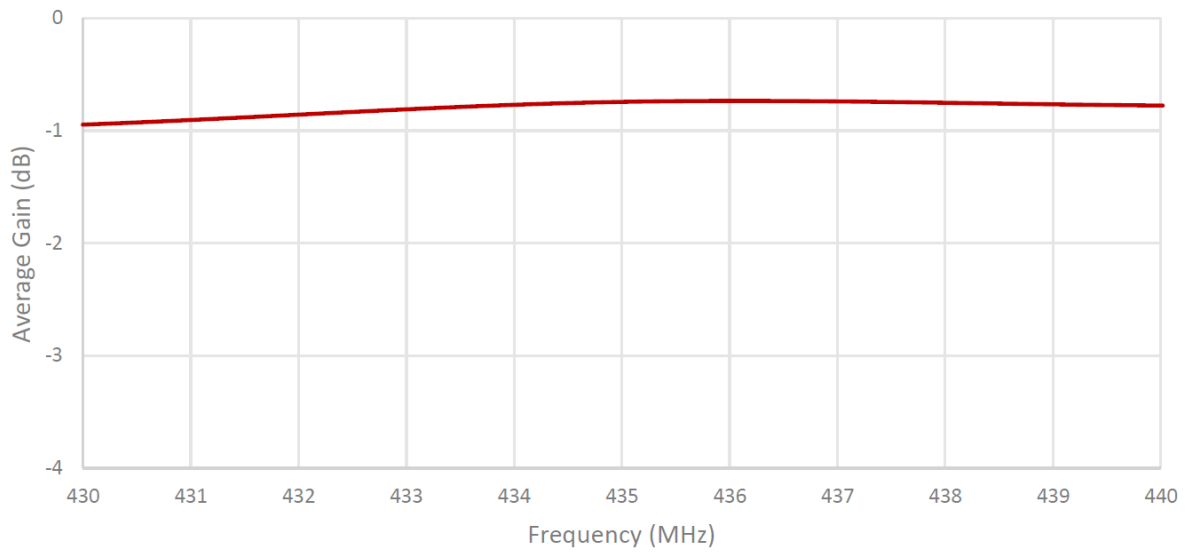
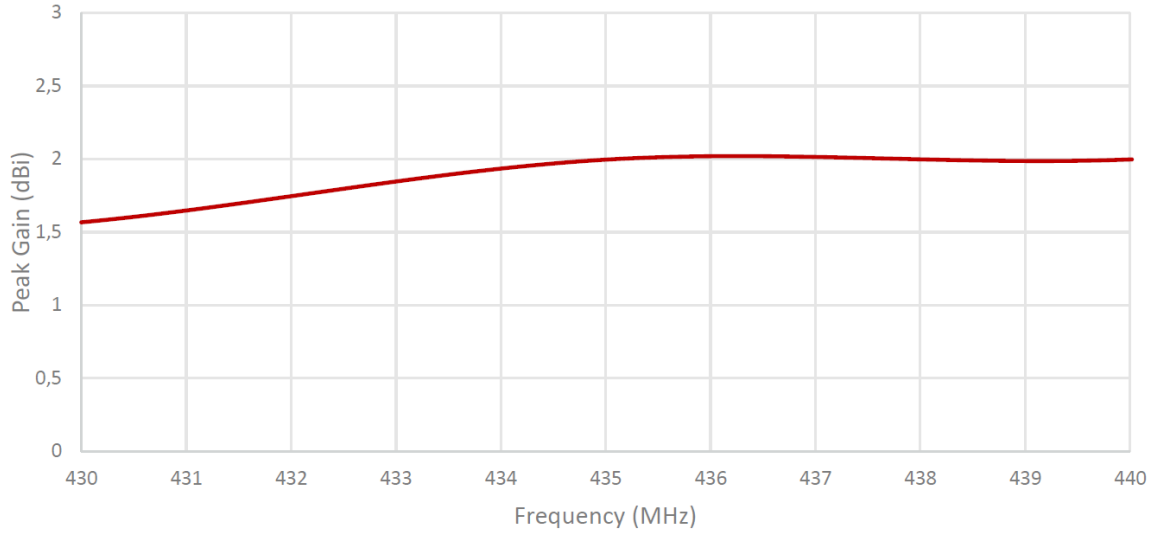


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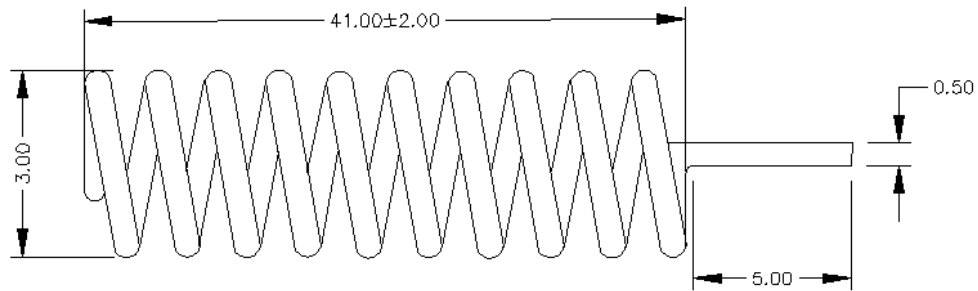
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## Dimensions



## Product Image





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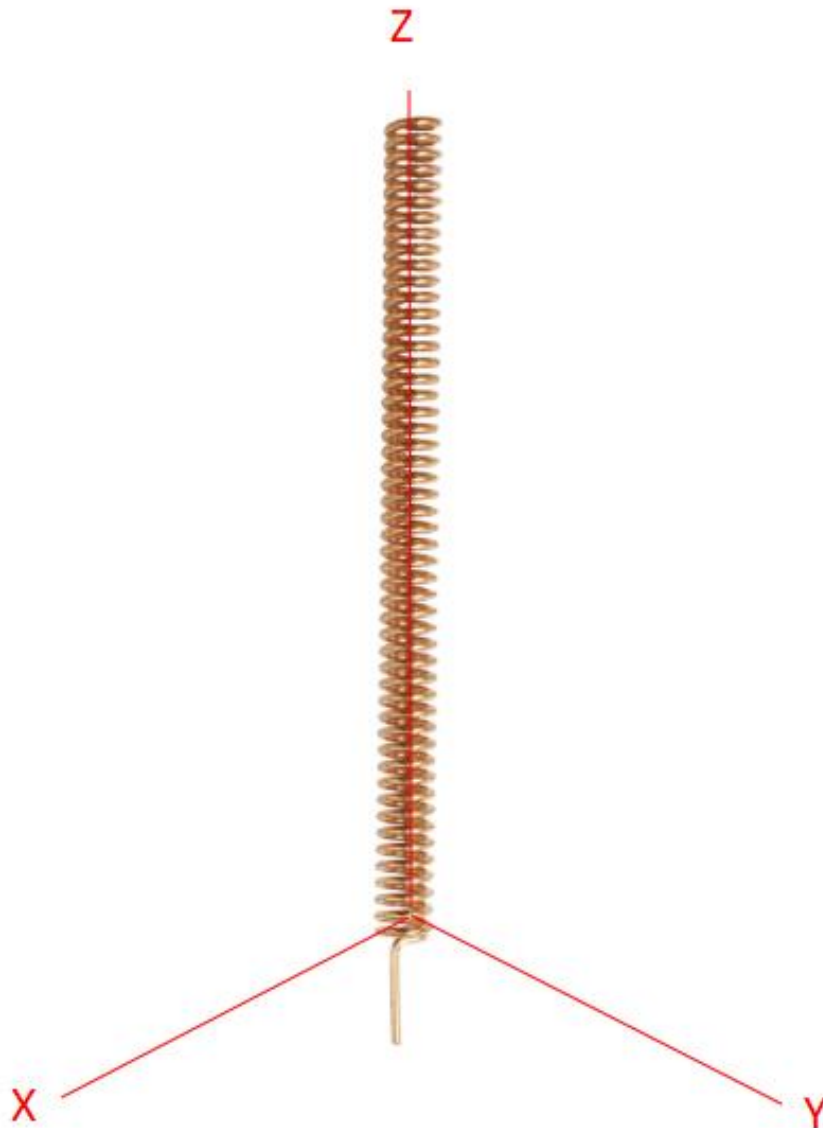


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## Radiation Patterns

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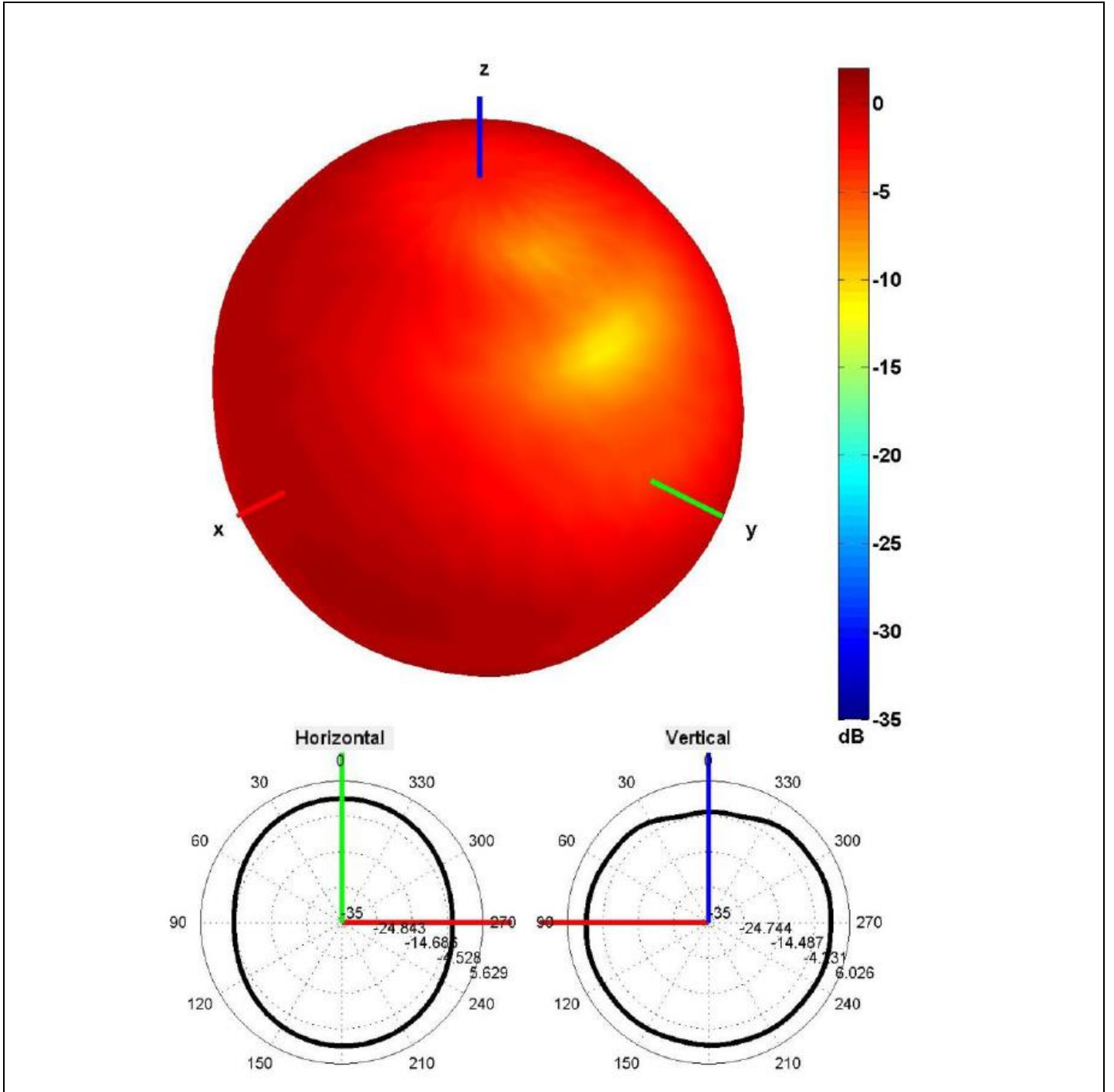


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MiotWireless

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### **Packaging**

**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.