



433 MHz Internal Antenna



Part Number: S-2RA2

18 x 5 mm
RoHS/RoHS II Compliant

Features

- Low Frequency of 433 MHz
- VSWR ≤ 1.8
- Gain of -2.4 dBi
- Input power of 10W

Applications

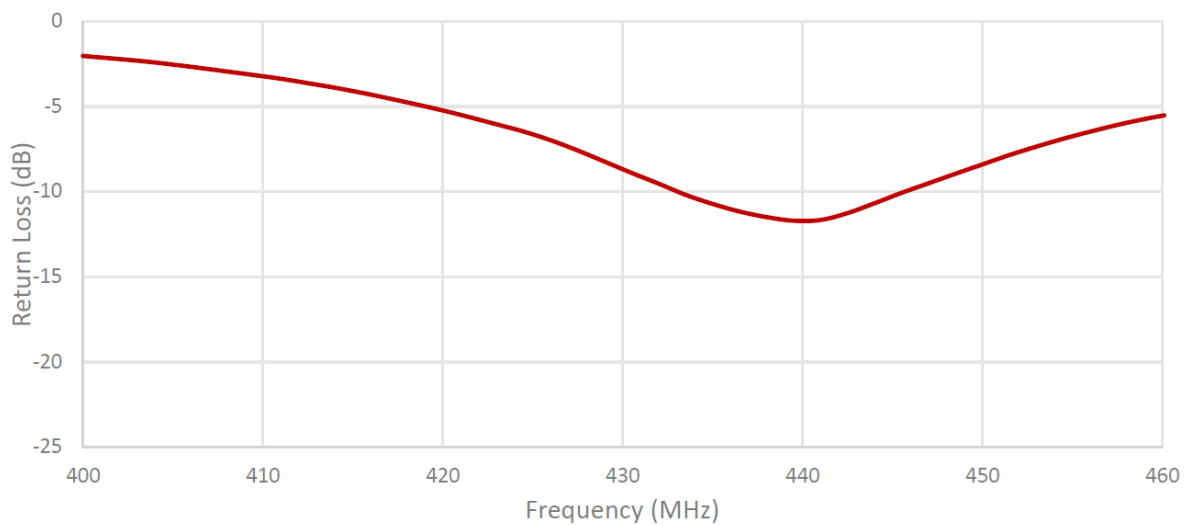
- Home Automation
- Wireless
- ISM Band
- LoRa
- SigFox
- RFID
- Remote Technology/Monitoring
- Smart Meters
- Medical Devices

Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Notes
Frequency Range		433		MHz	
Bandwidth		CF ± 5 MHz			
VSWR			1.8		
Polarization Model	Linear				
Impedance		50		Ω	

Antenna parameters

Gain		-2.4		dBi	Zenith
Operating Temperature	-40		+85	$^{\circ}\text{C}$	
Input Power			10	W	



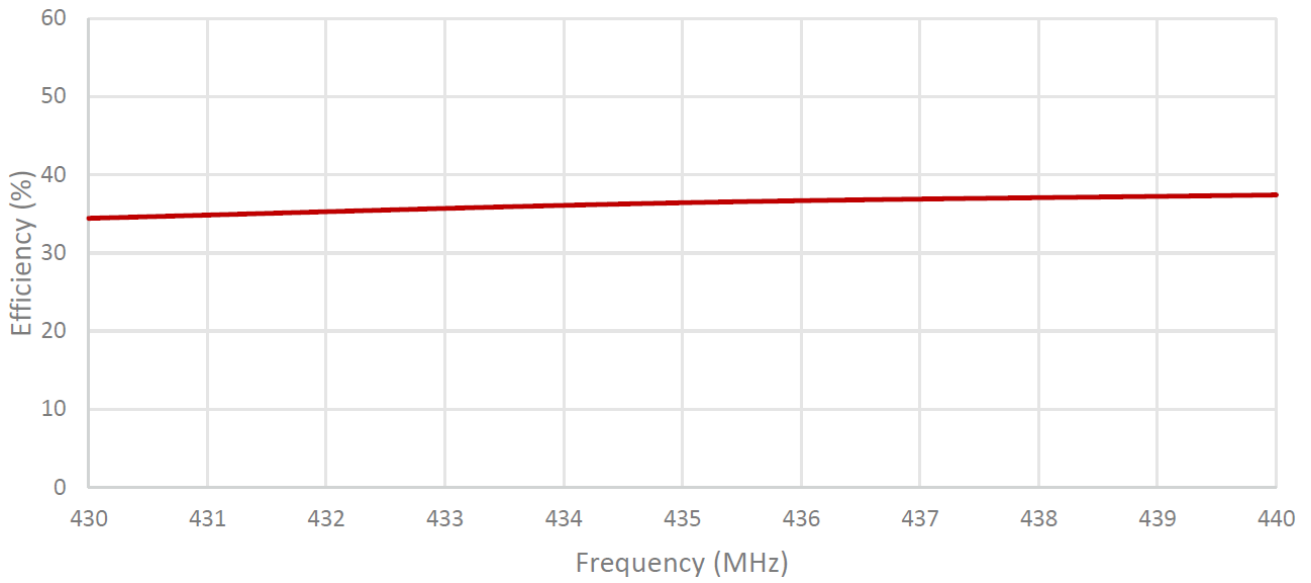
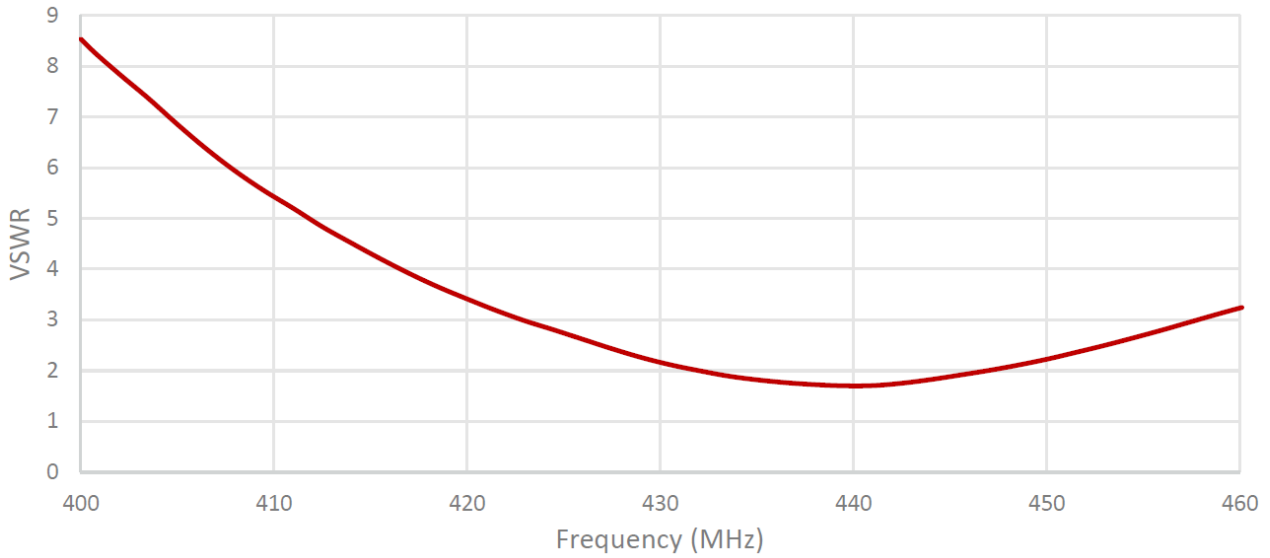


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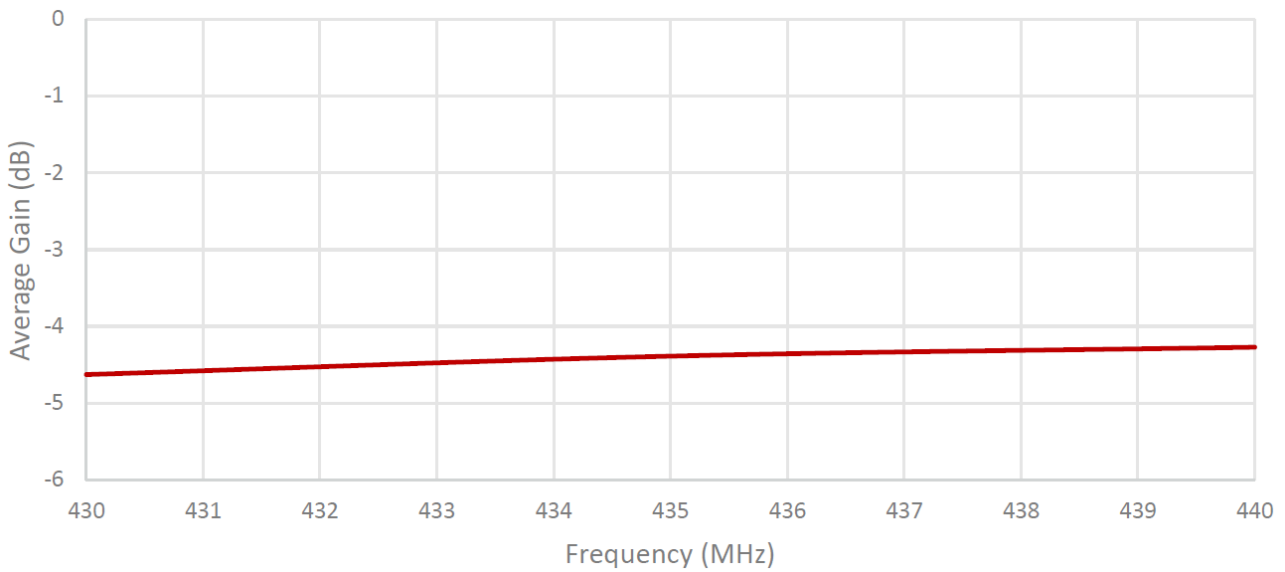
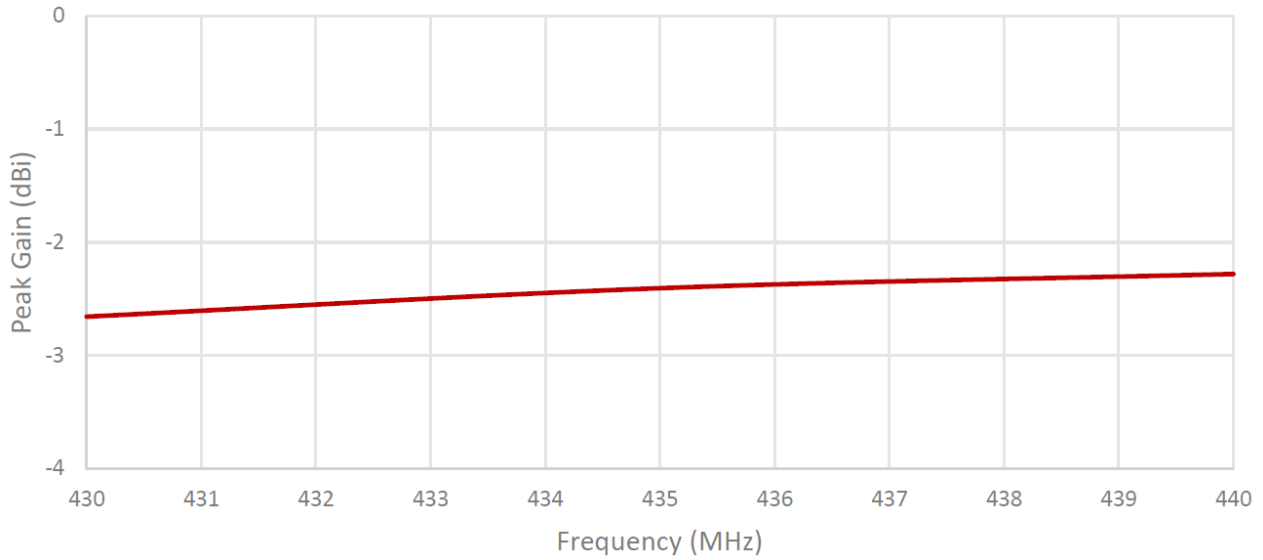


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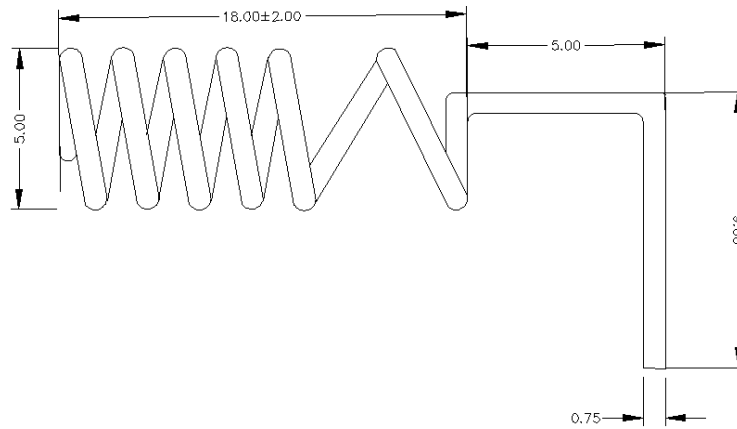
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Dimensions



Product Image





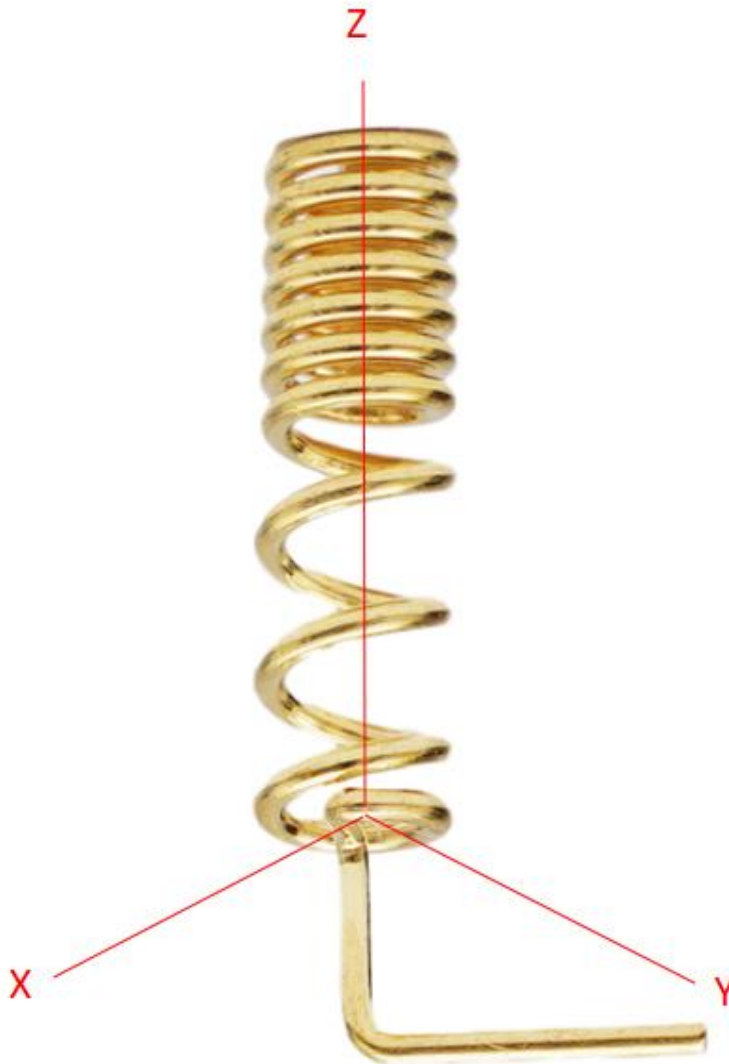
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Radiation Patterns



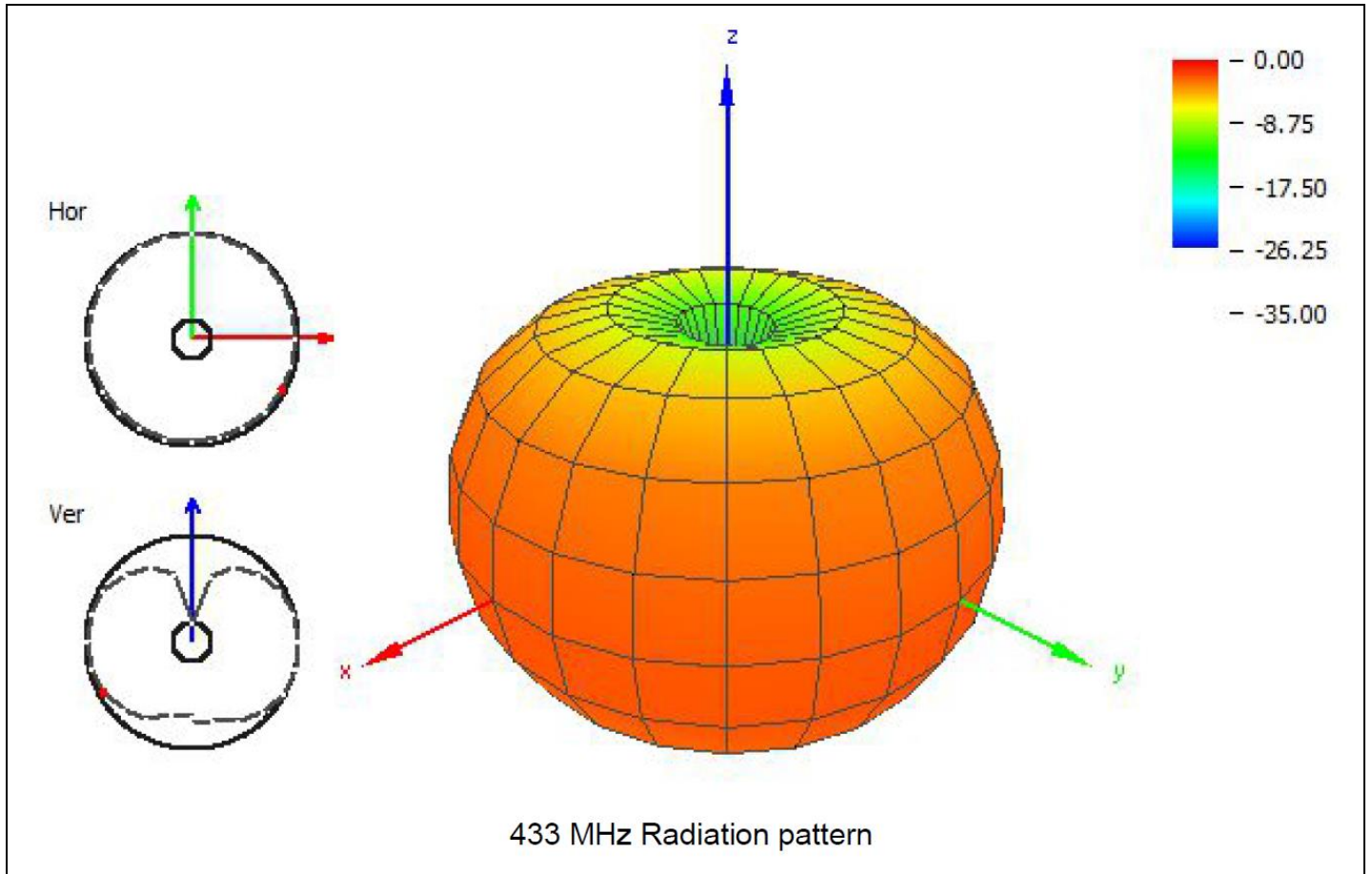


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Packaging

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.