

# 2J0115-868-C20N

868 MHz ISM Connector Mount

## Key Features

**868 MHz ISM**  
- 863-870 MHz  
Connector Mount  
Ground Plane Dependent  
Low Profile  
Dimensions 56 x  $\varnothing$ 9.5 mm



## 1. Antenna and electrical specifications

Parameters	868 MHz ISM Antenna
<b>Standards</b>	ZigBee, ISM, SIGFOX, LoRa
<b>Band (MHz)</b>	868 MHz
<b>Frequency (MHz)</b>	863-870
<b>Return Loss (dB)</b>	~-9.2
<b>VSWR</b>	~2.1:1
<b>Efficiency (%)</b>	~58
<b>Peak Gain (dBi)</b>	~0.5
<b>Average Gain (dB)</b>	~-2.4
<b>Impedance (Ohm)</b>	50
<b>Polarisation</b>	Linear
<b>Radiation Pattern</b>	Omni-Directional
<b>Max. Input Power (W)</b>	25
<b>Connector Type</b>	SMA-Male Standard

### Antenna Measurement Conditions:

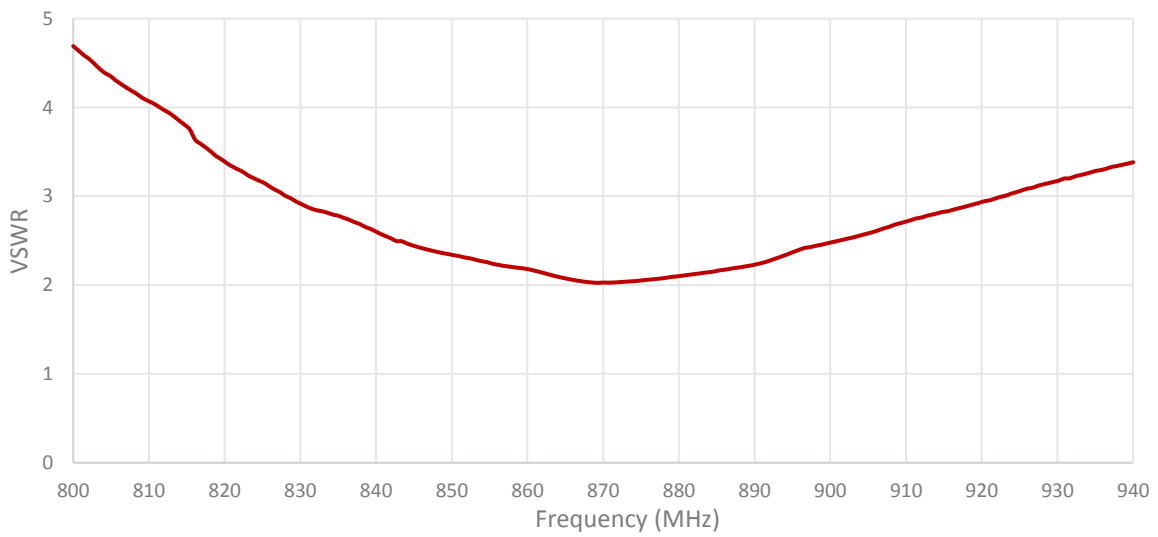
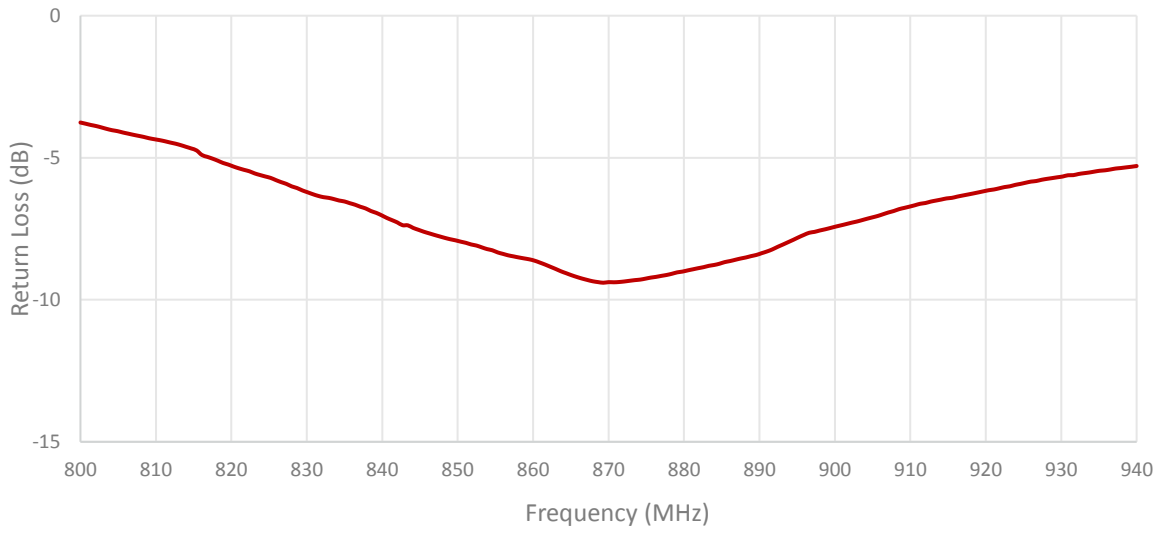
Mounted on Ground Plane of 95x40 mm

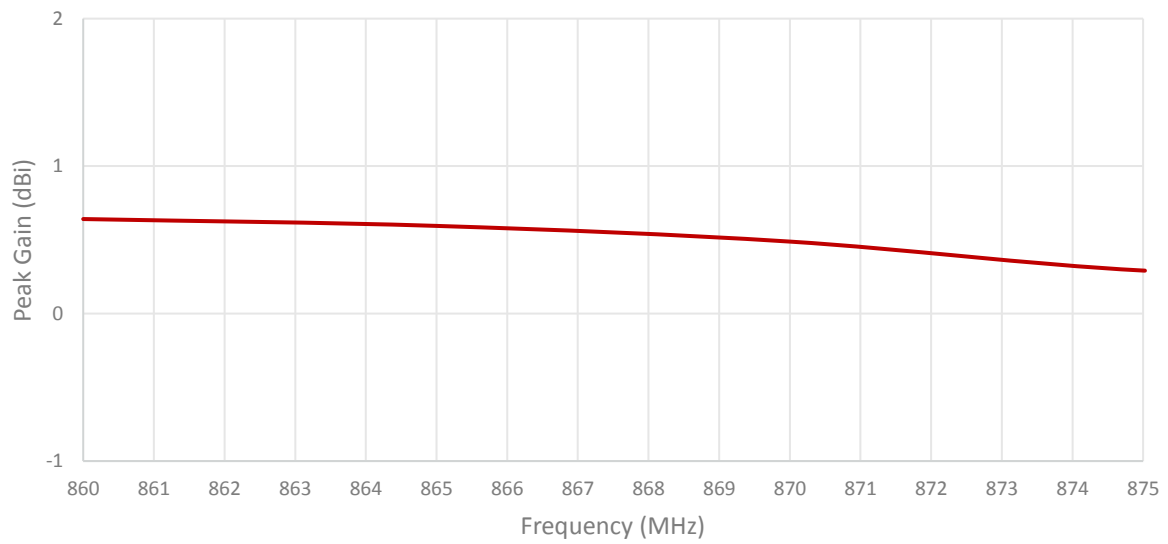
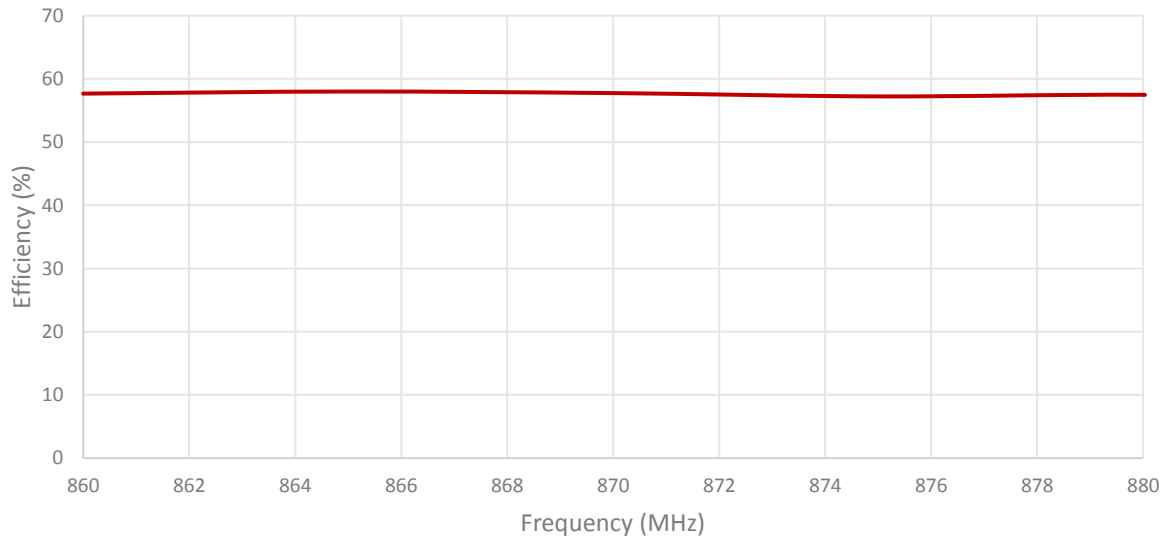
Measured in Certified CTIA 3D Anechoic Chamber

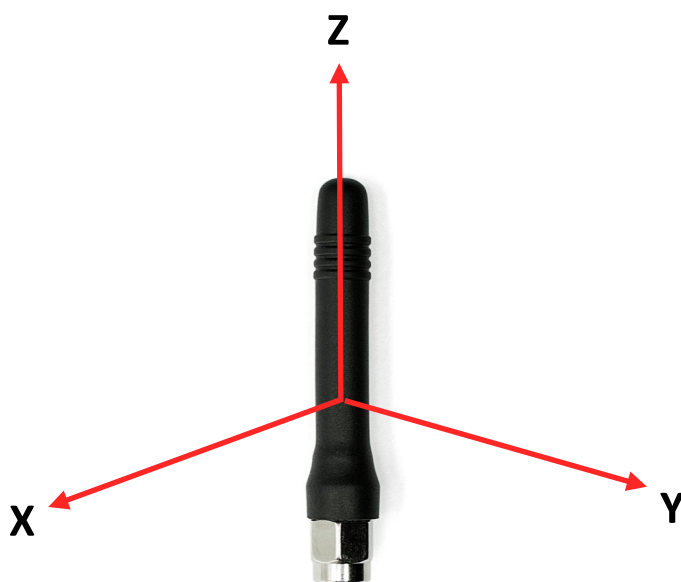
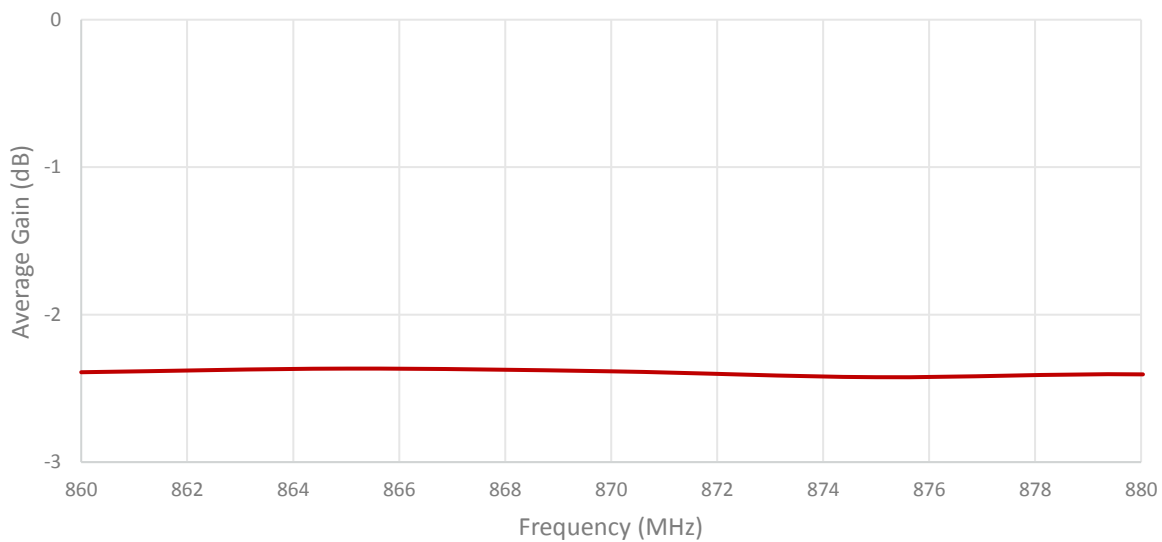
## 2. Mechanical and environmental specifications

Specifications	2J0115-868-C20N
<b>Mounting Type</b>	Connector Mount
<b>Dimensions (mm)</b>	56 x Ø9.5
<b>Radome</b>	ABS UV Stable
<b>Radome color</b>	Black
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

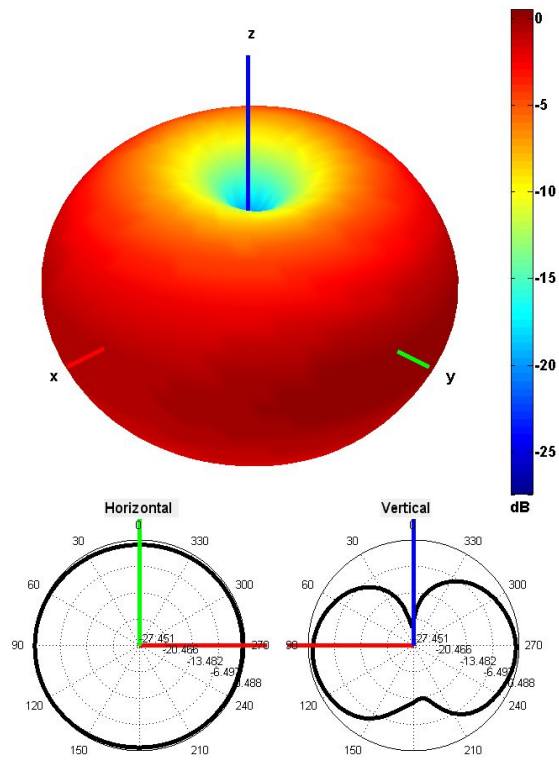
### 3. Antenna parameters





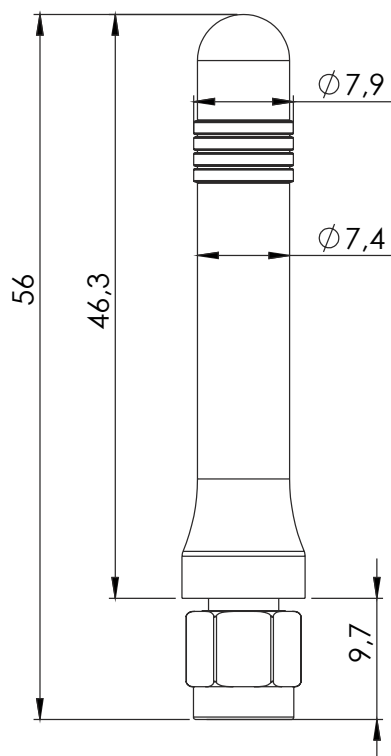
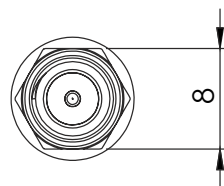


Radiation pattern reference



868 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

