

## 2JF1115P

868 MHz ISM Flexible Polymer

### Key Features

- 868 MHz ISM
- 863-870 MHz
- Self-Adhesive
- Flexible Material
- High Performance
- Ground Plane Independent
- Customized Cable and Connector
- Dimensions 40.0 × 7.0 × 0.2 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>	~-14.9
<b>VSWR</b>	~1.4:1
<b>Efficiency (%)</b>	~57.7
<b>Peak Gain (dBi)</b>	~1.8
<b>Average Gain (dB)</b>	~-2.4
<b>Impedance (Ohm)</b>	50
<b>Polarization</b>	Linear
<b>Radiation Pattern</b>	Omni-Directional
<b>Max. Input Power (W)</b>	25
<b>Connector Type</b>	U.FL Standard (Other Connectors Available)
<b>Cable Length</b>	100mm Standard (Any Cable Length Available)
<b>Cable Type</b>	1.37mm Micro-Coax Standard (Other Cables Available)

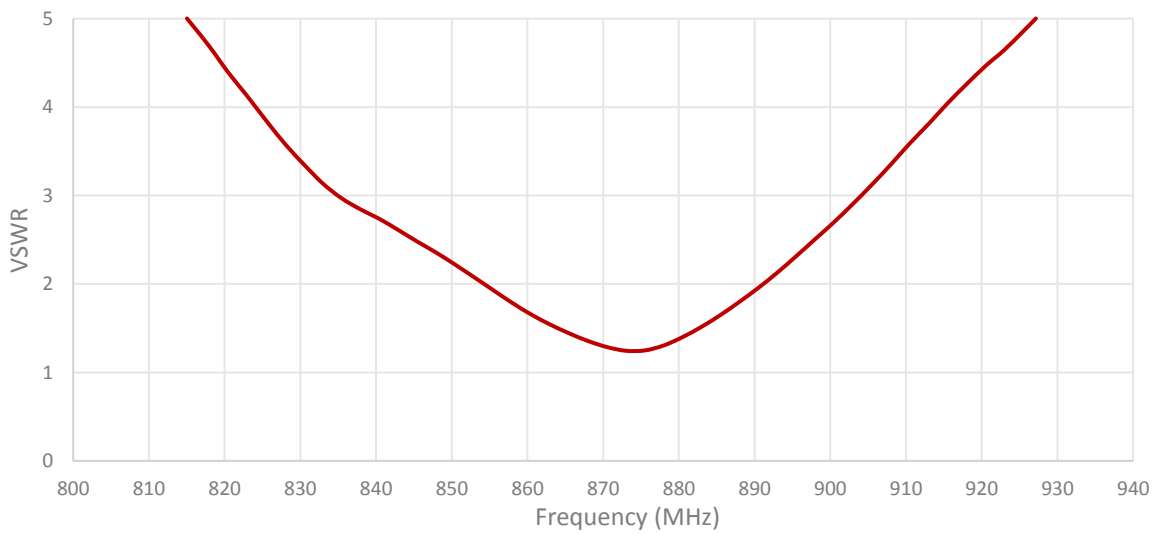
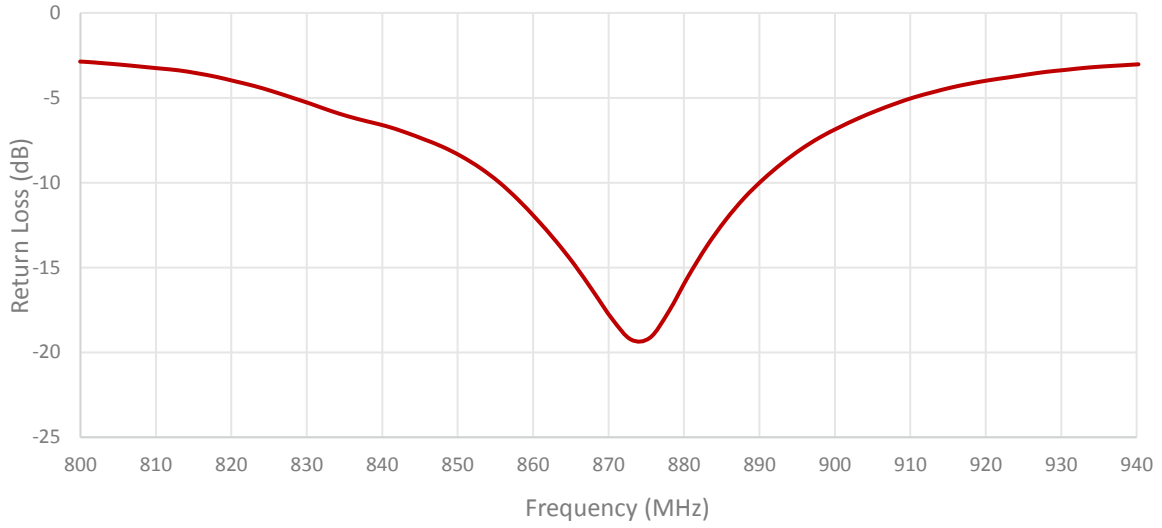
### Antenna Measurement Conditions:

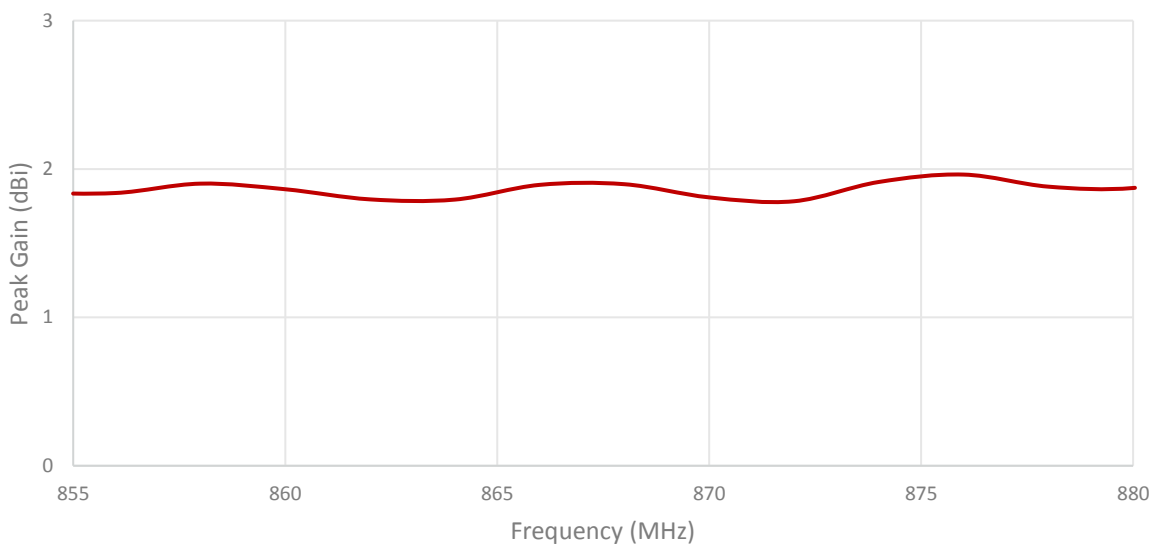
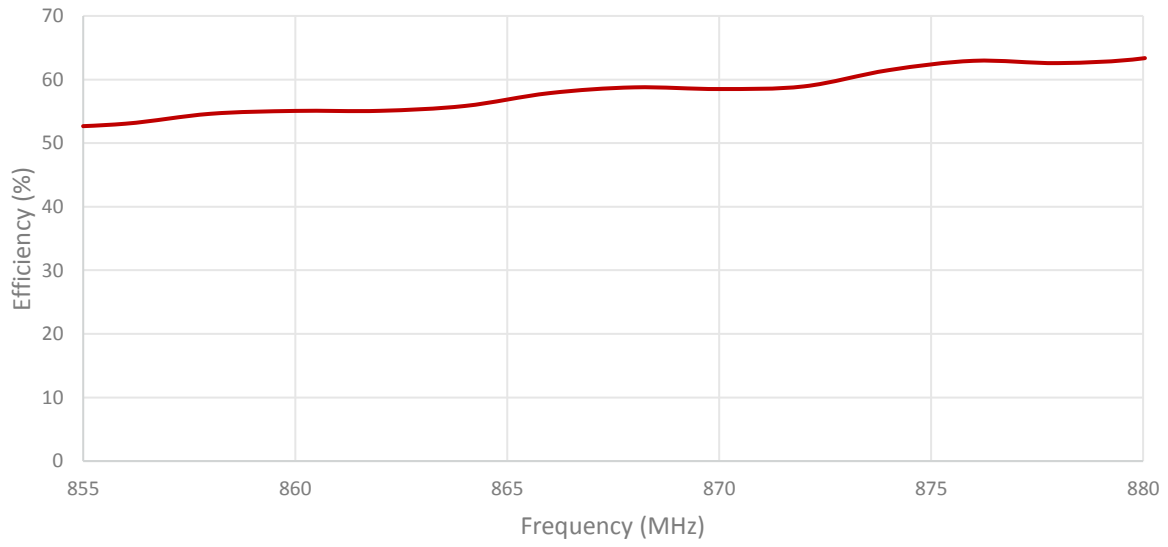
Mounted on 30 x 30 x 0.25 cm ABS Plastic Plate  
 100 mm MC137 mm Micro Coax Cable  
 Measured in Certified CTIA 3D Anechoic Chamber

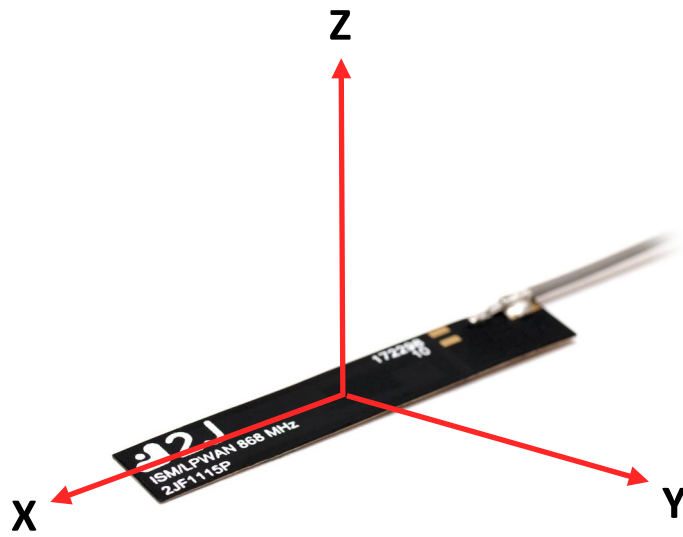
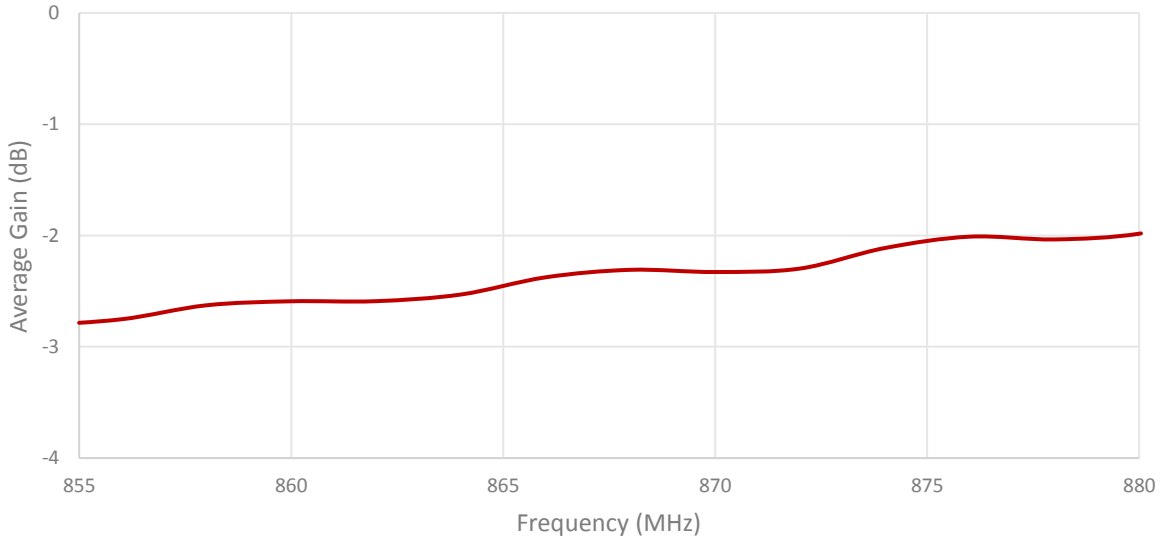
## 2. Mechanical and environmental specifications

Specifications	2JF1115P
<b>Mounting Type</b>	Self-Adhesive
<b>Dimensions (mm)</b>	40.0 x 7.0 x 0.2
<b>Adhesive Type</b>	3M 467
<b>Material</b>	Flexible Polymer
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

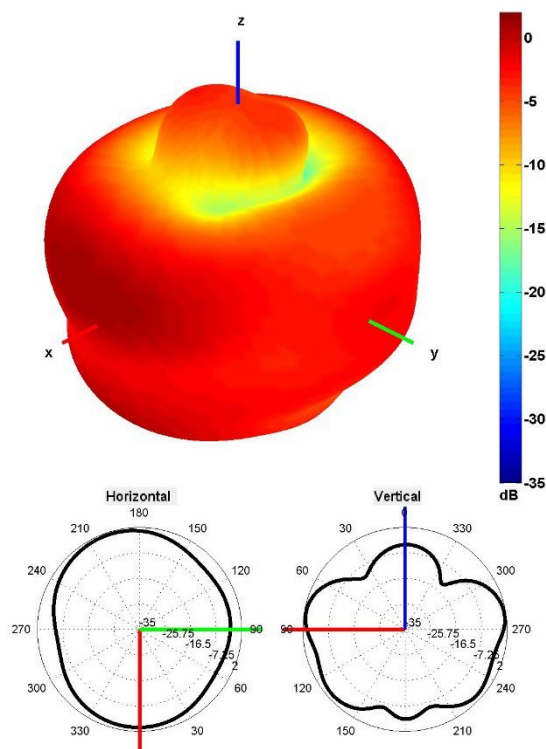
### 3. Antenna parameters





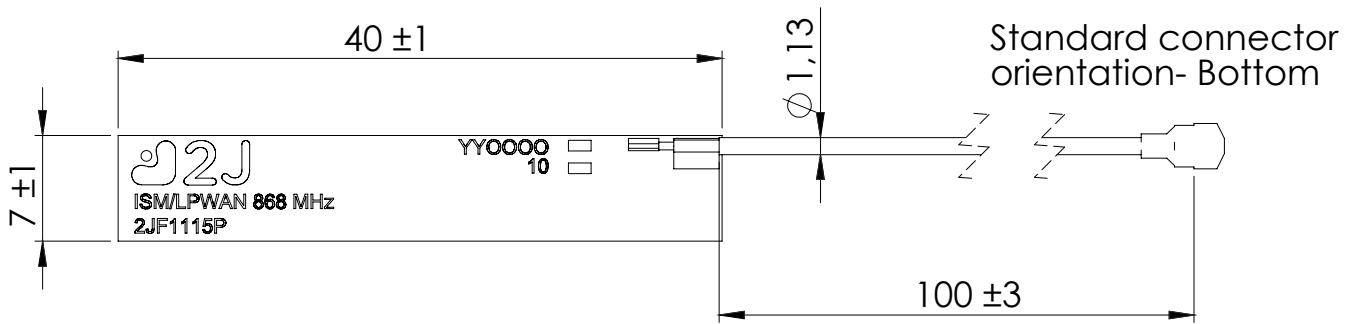
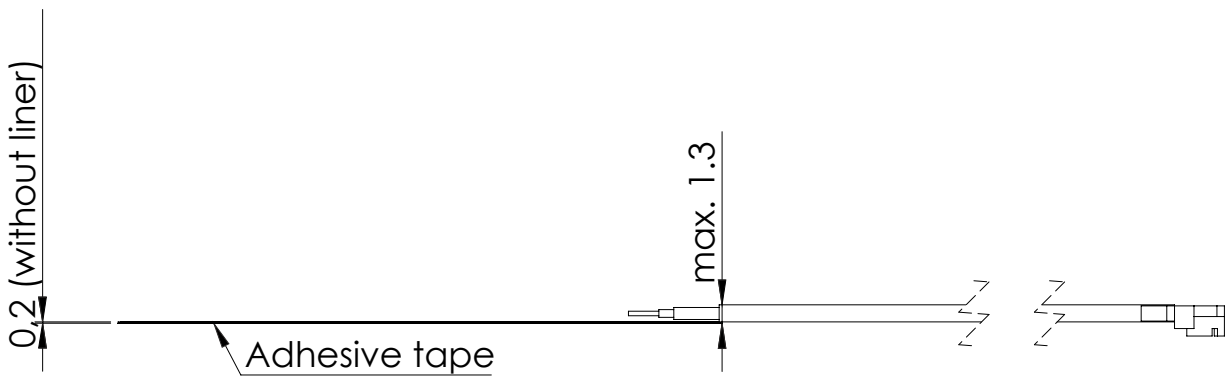


Radiation pattern reference

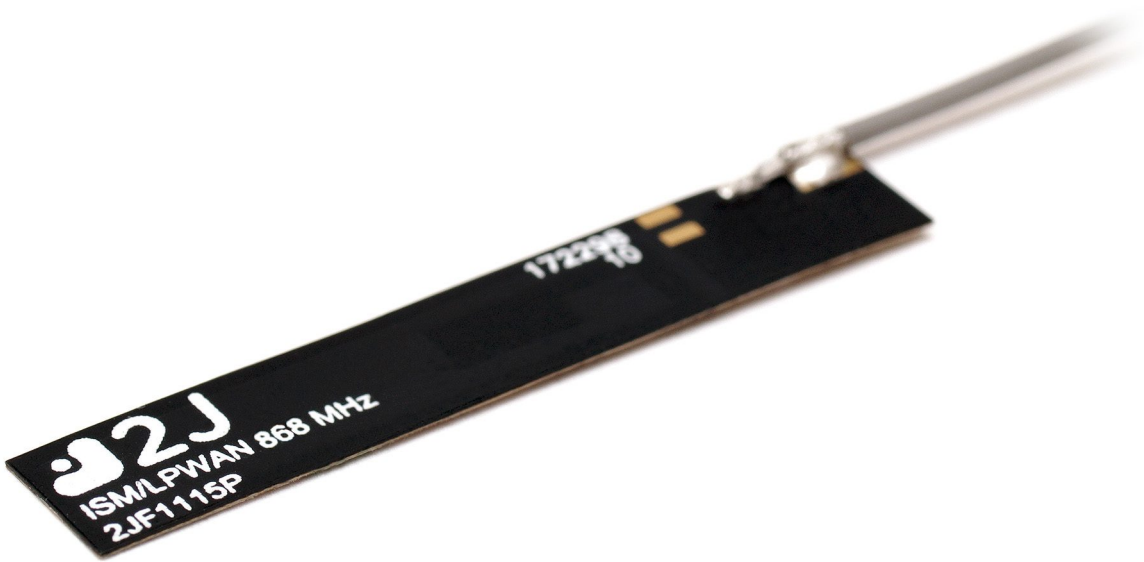


868 MHz Radiation pattern

## 4. Antenna drawings



5. Antenna Images





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