

LORA/SiGFOX embedded Antenne

868 MHz ISM Flexible Polymer

Key Features

868 MHz ISM

- 863-870 MHz

Self-Adhesive

Flexible Material

Ground Plane Independent

Customized Cable and Connector

Dimensions 40.0 x 7.0 x 0.2 mm



1. Antenna and electrical specifications

Parameters	868 MHz ISM Antenna
Standards	ZigBee, ISM, SigFox, LoRa
Band (MHz)	868 MHz
Frequency(MHz)	863-870
Return Loss (dB)	~-10.4
VSWR	~1.9:1
Efficiency (%)	~32.7
Peak Gain (dBi)	~-0.8
Average Gain (dB)	~-4.9
Impedance (Ohm)	50
Polarization	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	U.FL Standard (Other Connectors Available)
Cable Length	100mm Standard (Any Cable Length Available)
Cable Type	1.37mm Mini-Coax Standard (Other Cables Available)

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

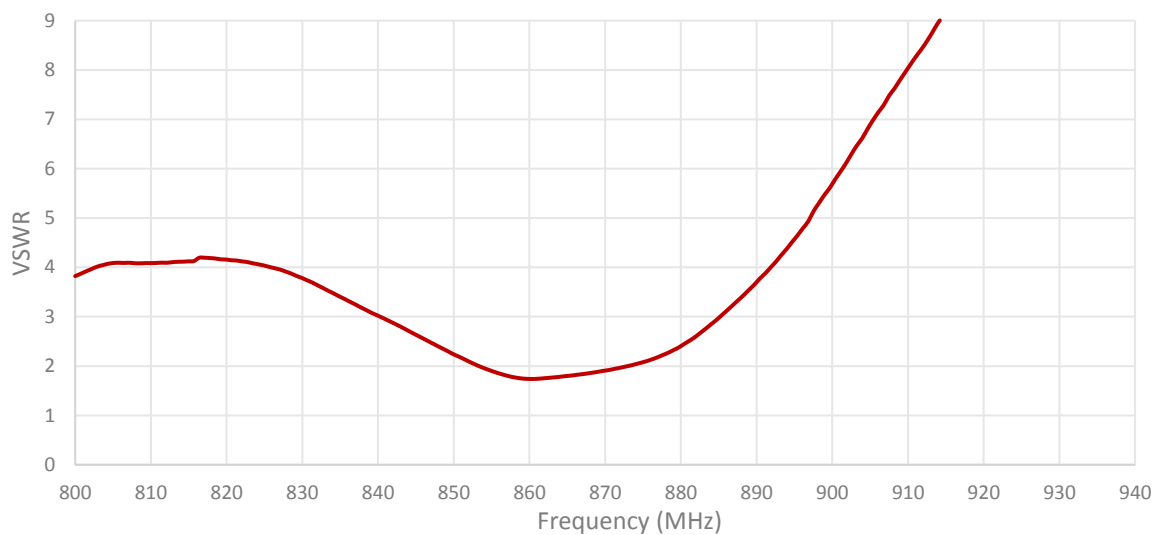
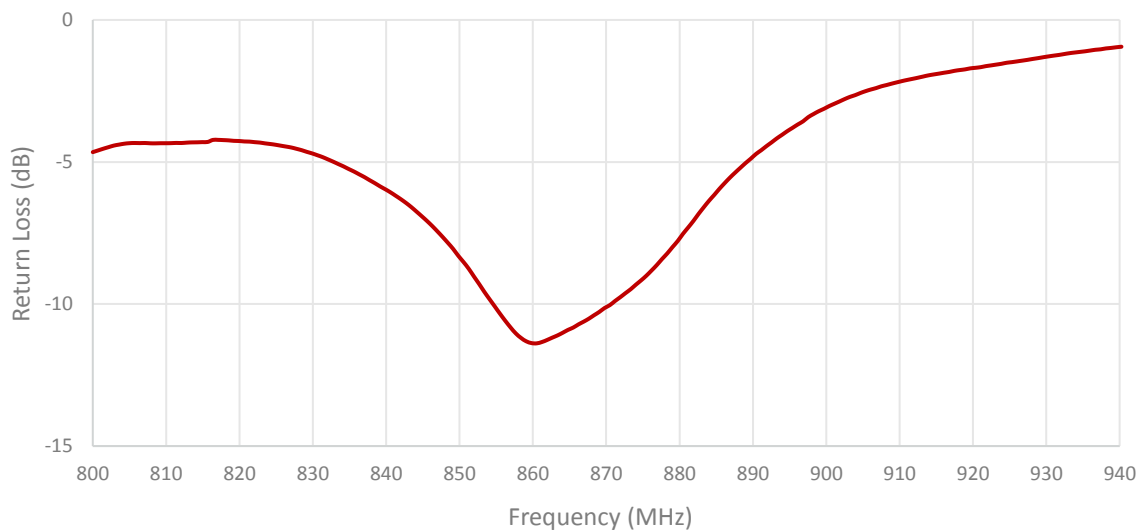
100 mm 1.37 mm Cable

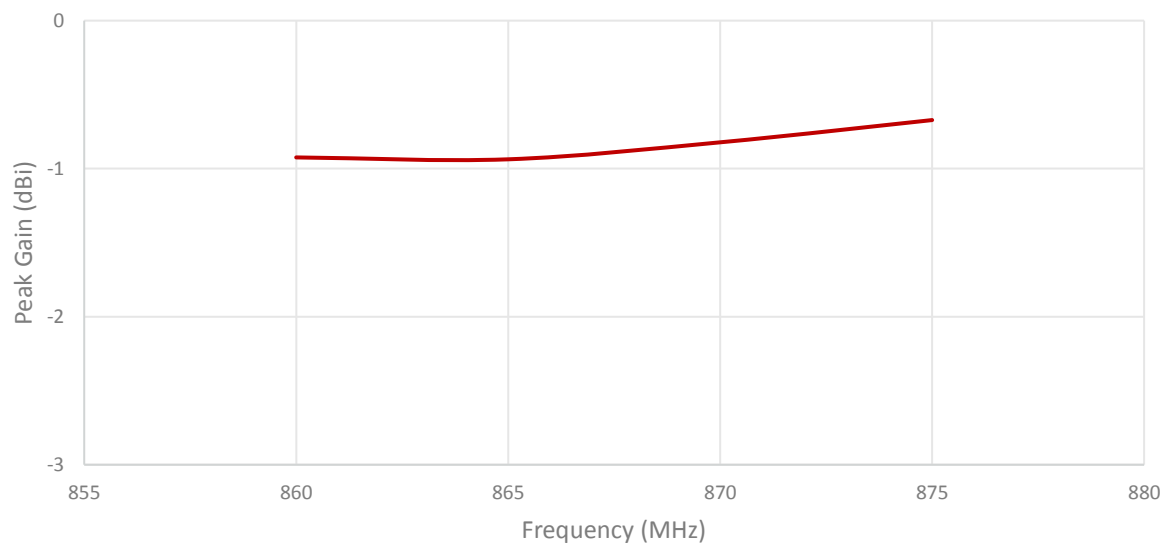
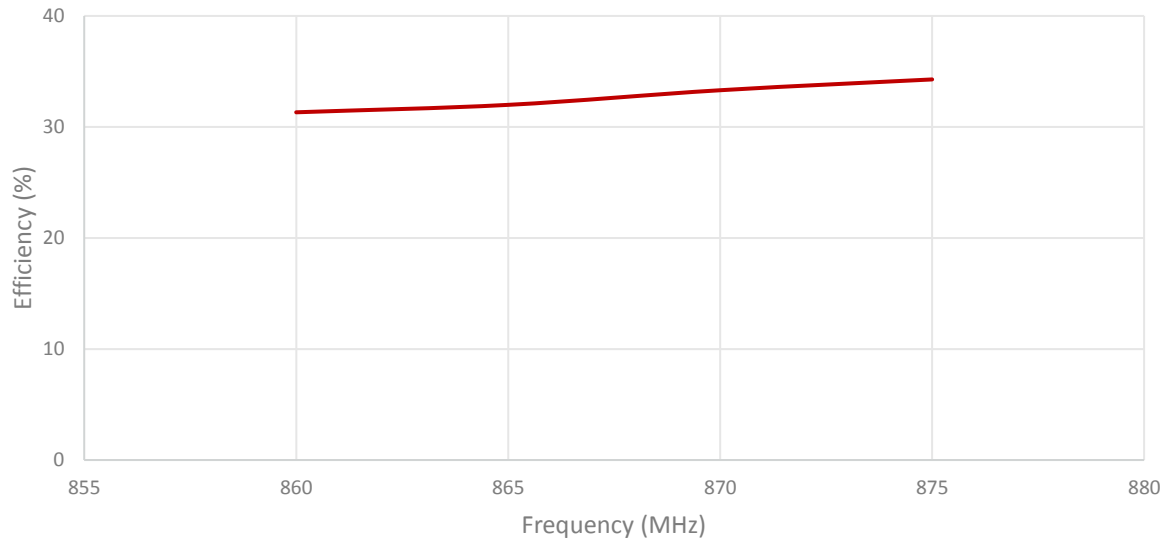
Measured in Certified CTIA 3D Anechoic Chamber

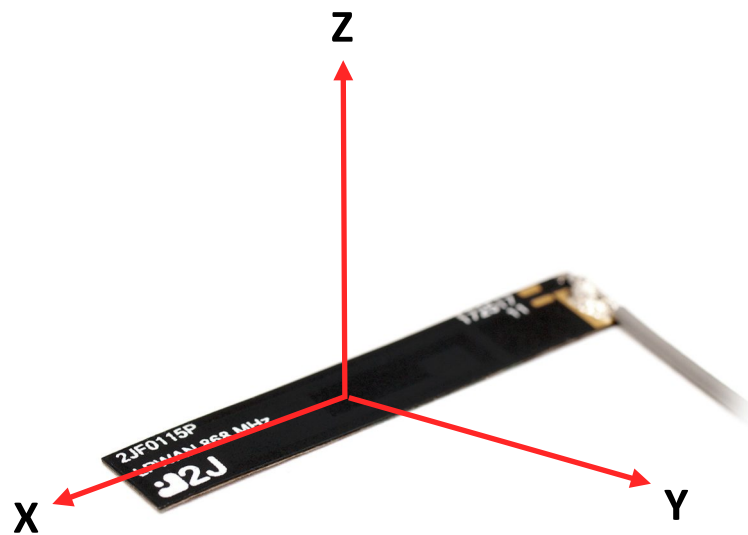
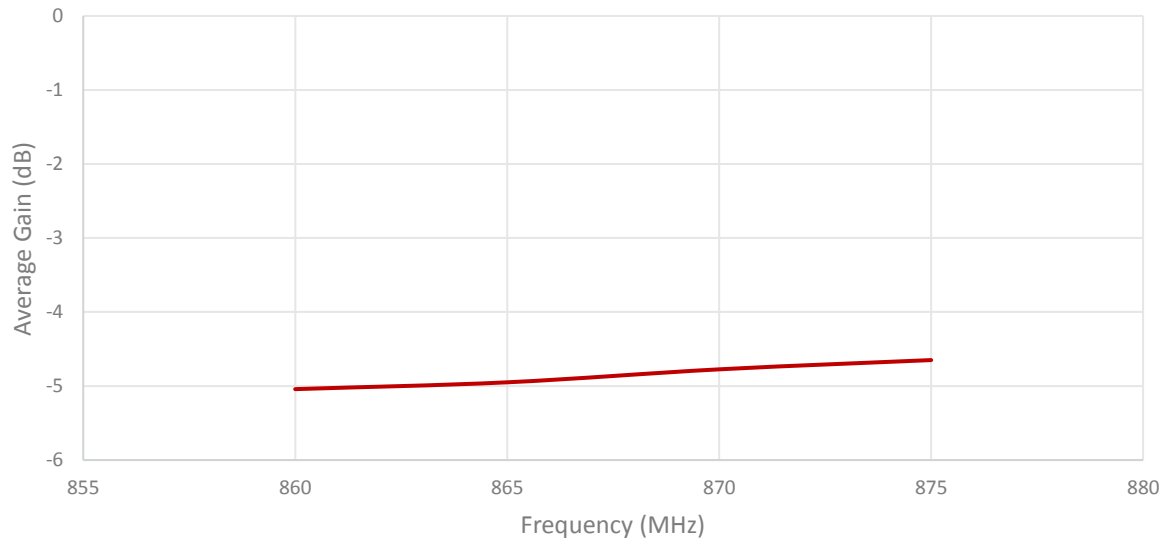
2. Mechanical and environmental specifications

Specifications	LORA/SIGFOX embedded Antenne
Mounting Type	Self-Adhesive
Dimensions (mm)	40.0 x 7.0 x 0.2
Adhesive Type	3M 467
Material	Flexible Polymer
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

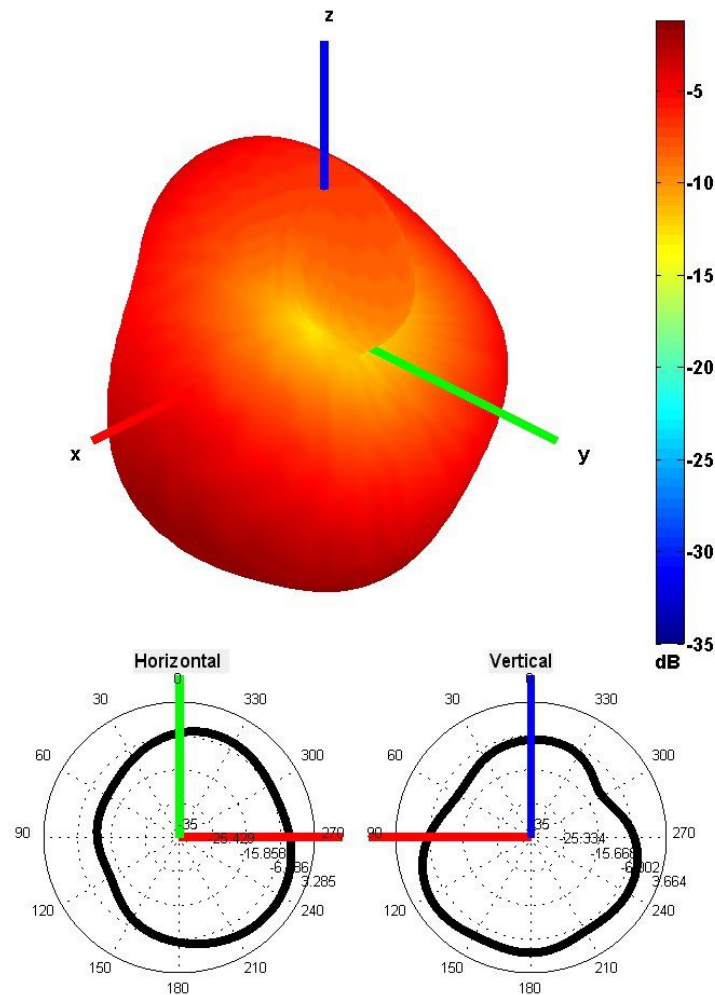
3. Antenna parameters





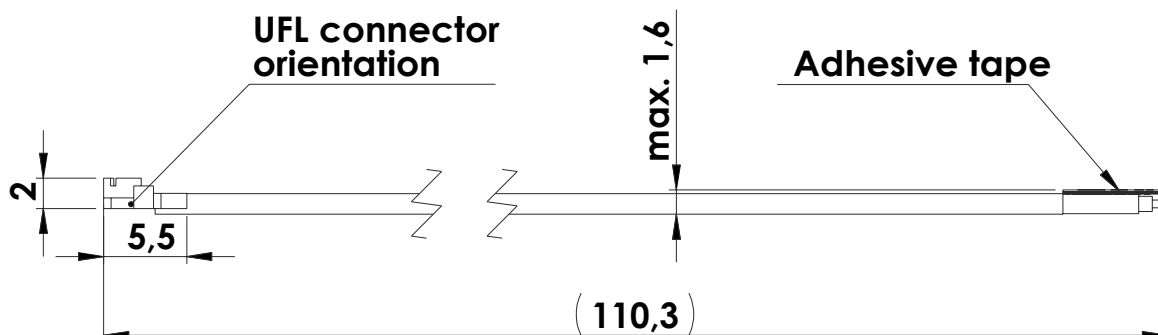
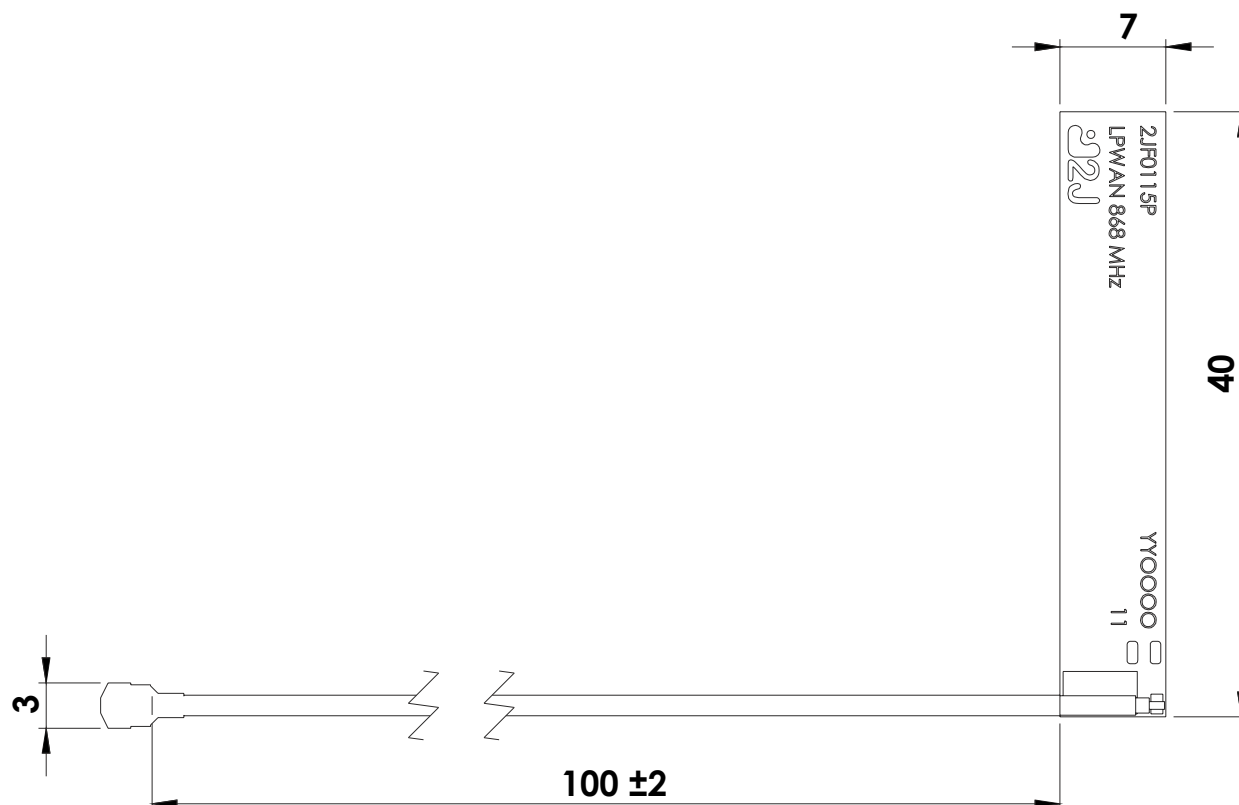


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

