

LoRa/Sigfox Magnetantenne

868 MHz ISM Magnetic Mount

Key Features

868 MHz ISM

- 863-870 MHz

Magnetic Mount

High Performance

Ground Plane Dependent

Customizable Cable and Connector

Dimensions Ø 30.9 x 91 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)	~-17.1
VSWR	~1.3:1
Efficiency (%)	~64.5
Peak Gain (dBi)	~2.6
Average Gain (dB)	~-1.9
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	50
Connector Type	SMA-Male Standard (Other Connectors Available)
Cable Length	300 cm Standard (Any Cable Length Available)
Cable Type	LMR100 Standard (Other Cables Available)

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Metal Plate

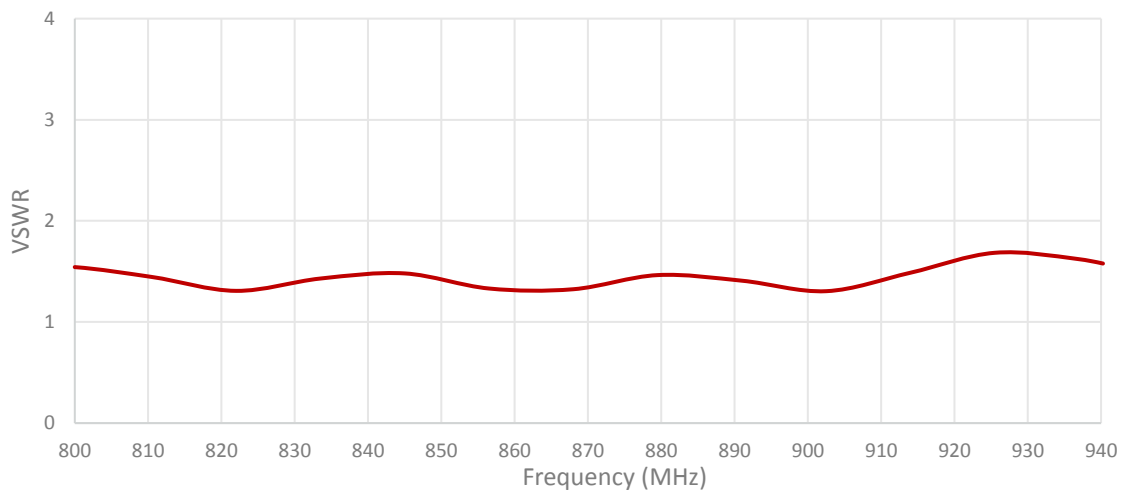
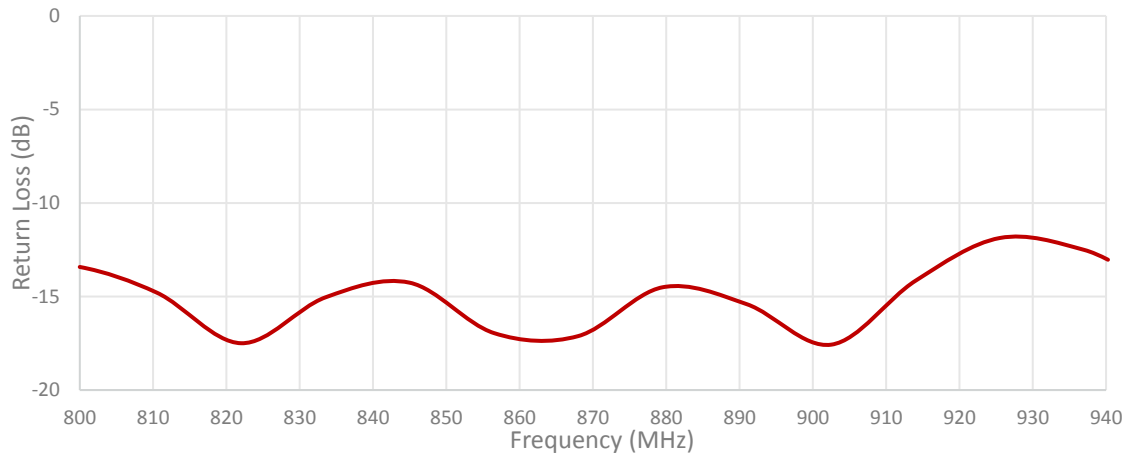
200 cm of Cable LMR100

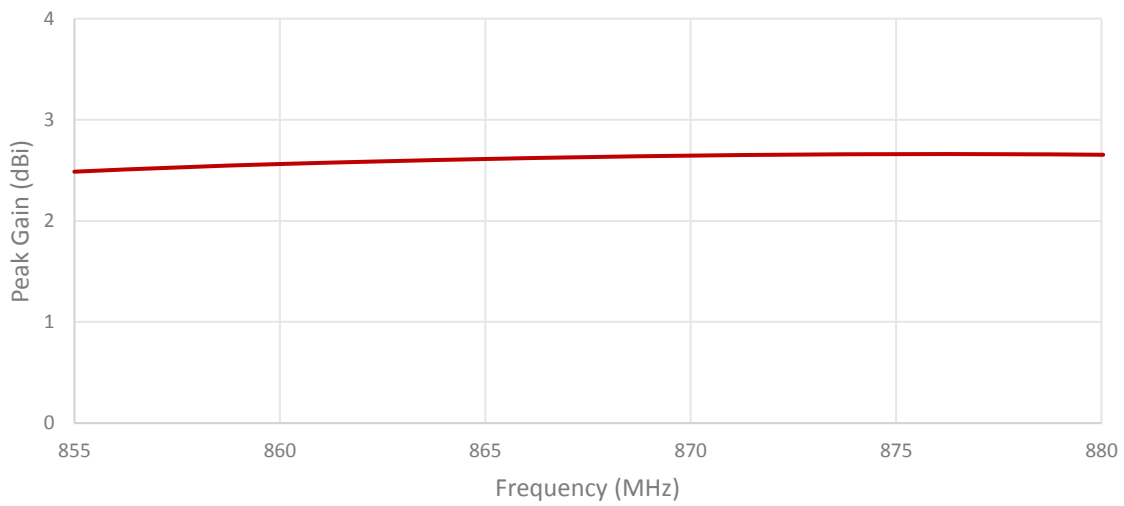
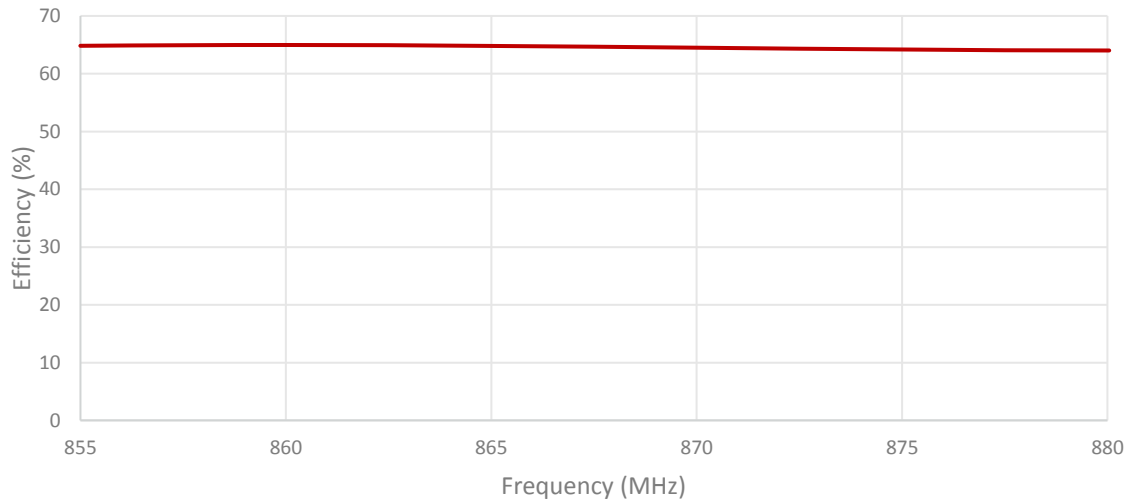
Measured in Certified CTIA 3D Anechoic Chamber

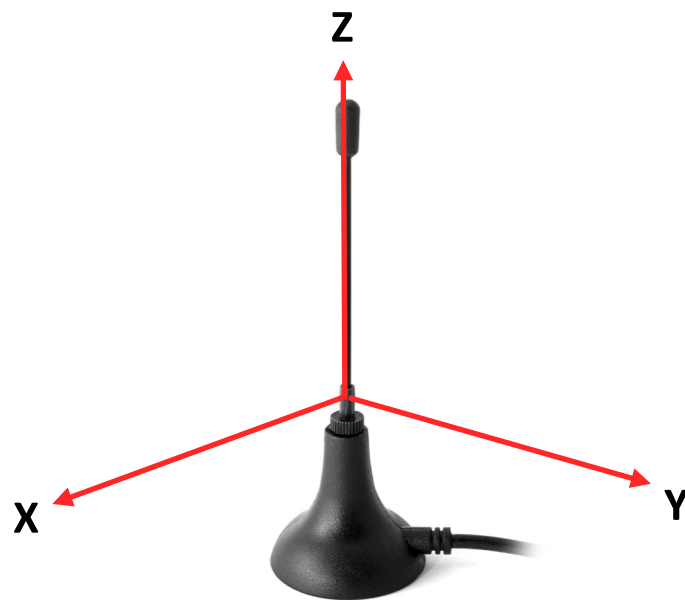
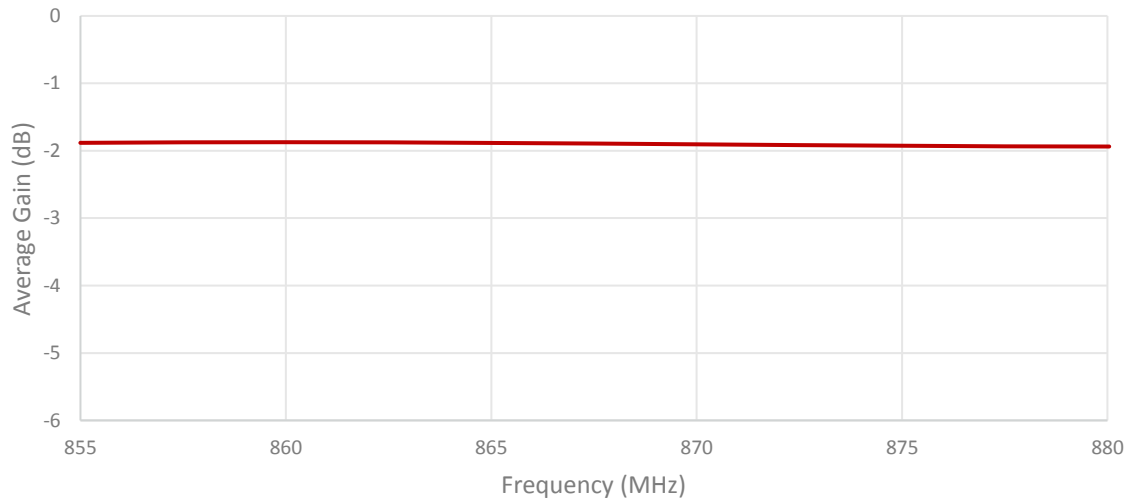
2. Mechanical and environmental specifications

Specifications	LoRa/Sigfox Magnetantenne
Mounting Type	Magnetic Mount
Dimensions (mm)	Ø 30.9 × 91
Radome color	Black
Antenna Base	PP
Whip Material	Brass
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

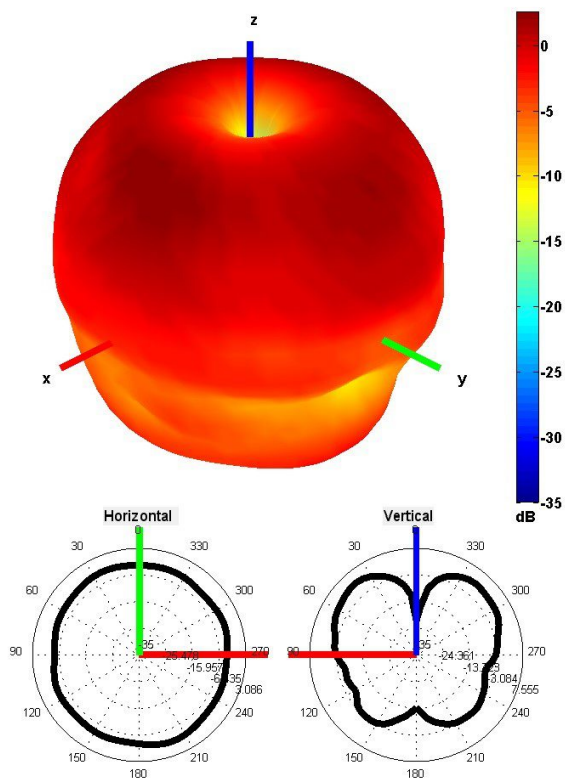
3. Antenna parameters





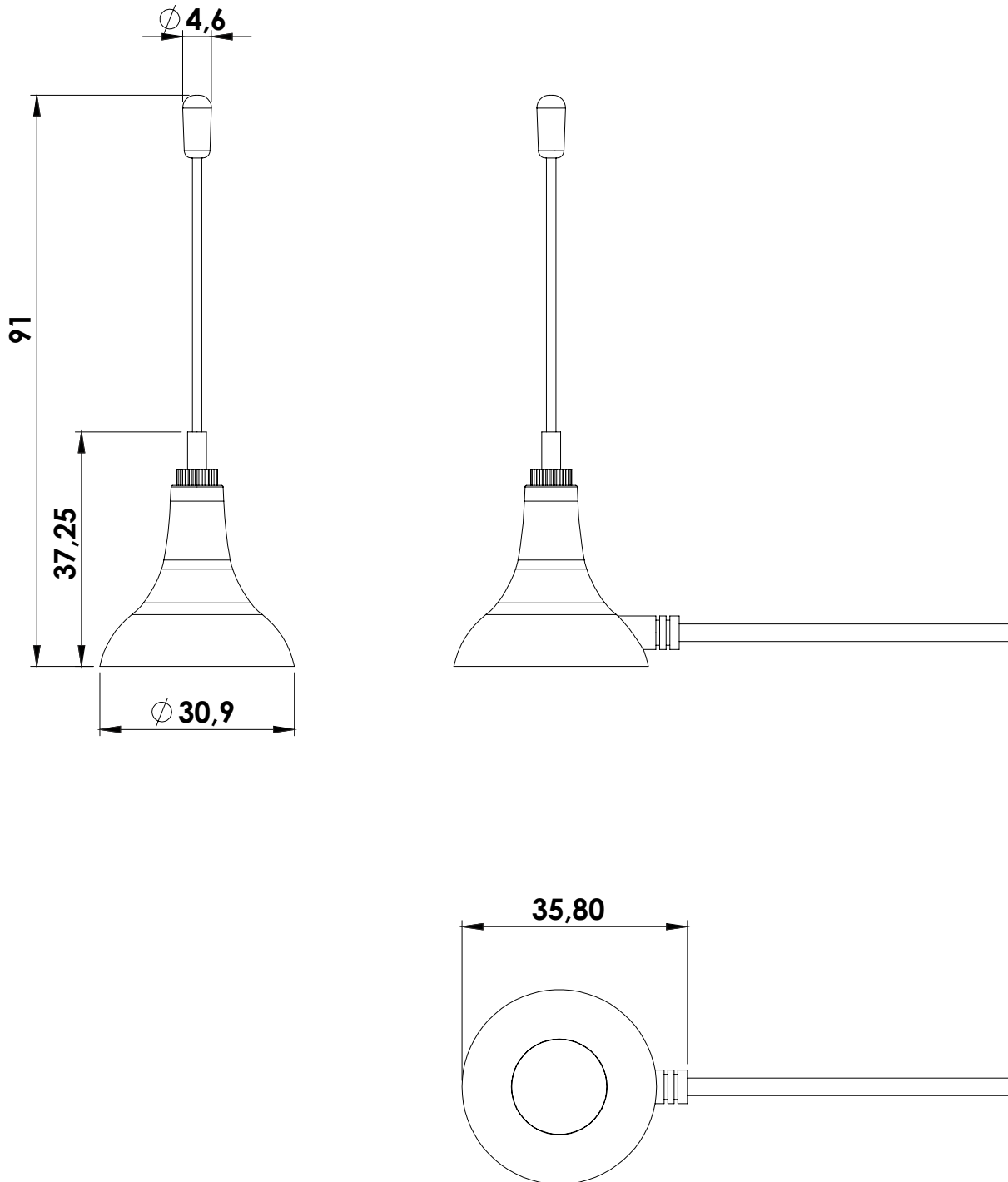


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

