

P8 A INT2

868 MHz ISM Screw Mount

Key Features

868 MHz ISM

- 863-870 MHz

Screw Mount

Ground Plane Dependent

High Performance

Low Profile

Customizable Cable and Connector

Dimensions 80 x 74 x 14.7 mm

Certificates: IP67



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)	~-25.9
VSWR	~1.1:1
Efficiency (%)	~57.6
Peak Gain (dBi)	~-2.5
Average Gain (dB)	~-2.4
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male Standard (Other Connectors Available)
Cable Length	300 cm Standard (Any Cable Length Available)
Cable Type	RG174 Standard (Other Cables Available)

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm Metal Plate

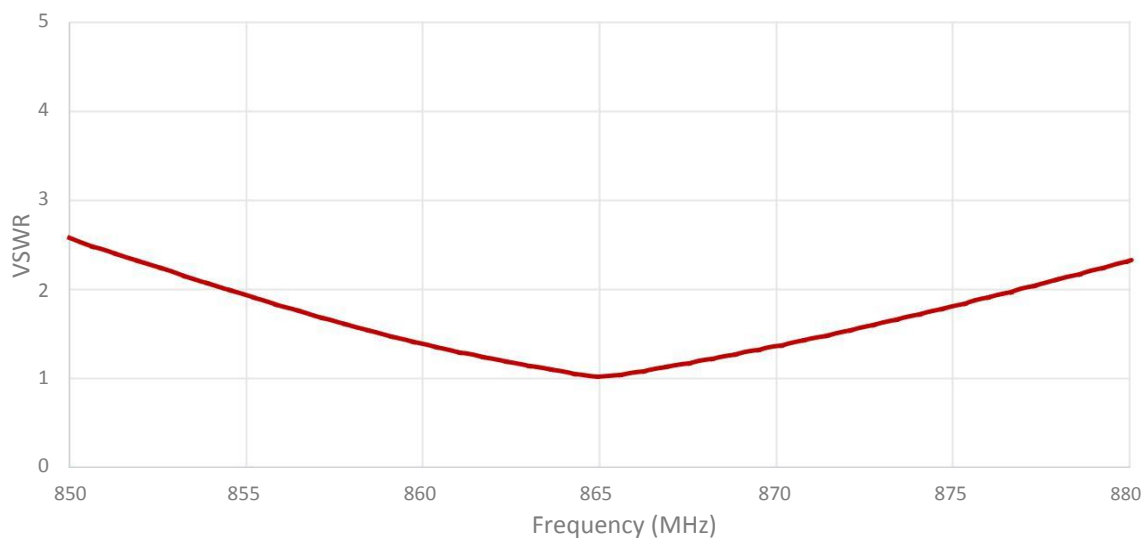
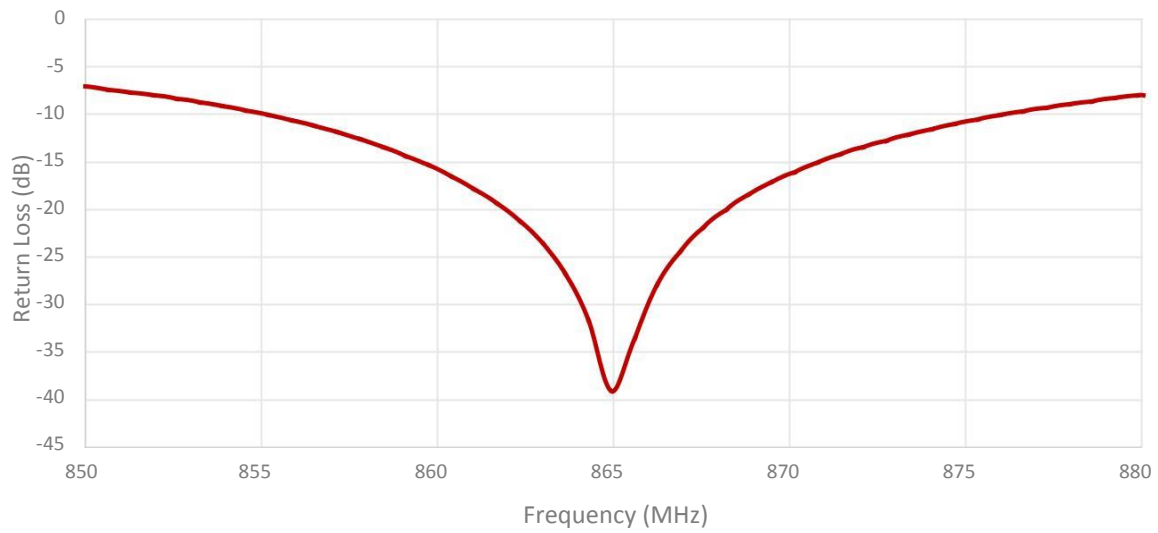
200 cm of RG174 Cable

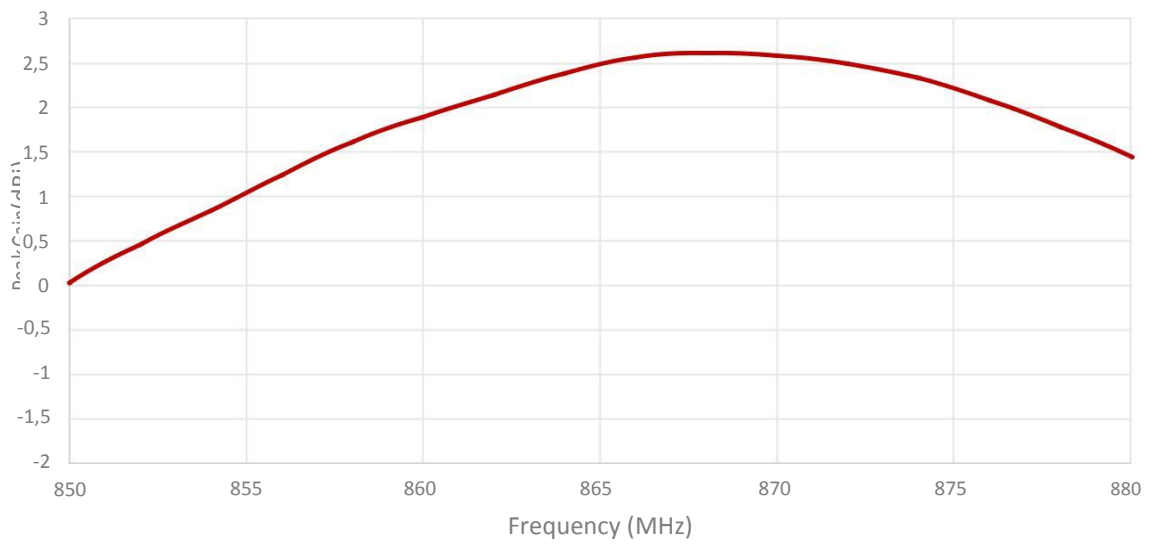
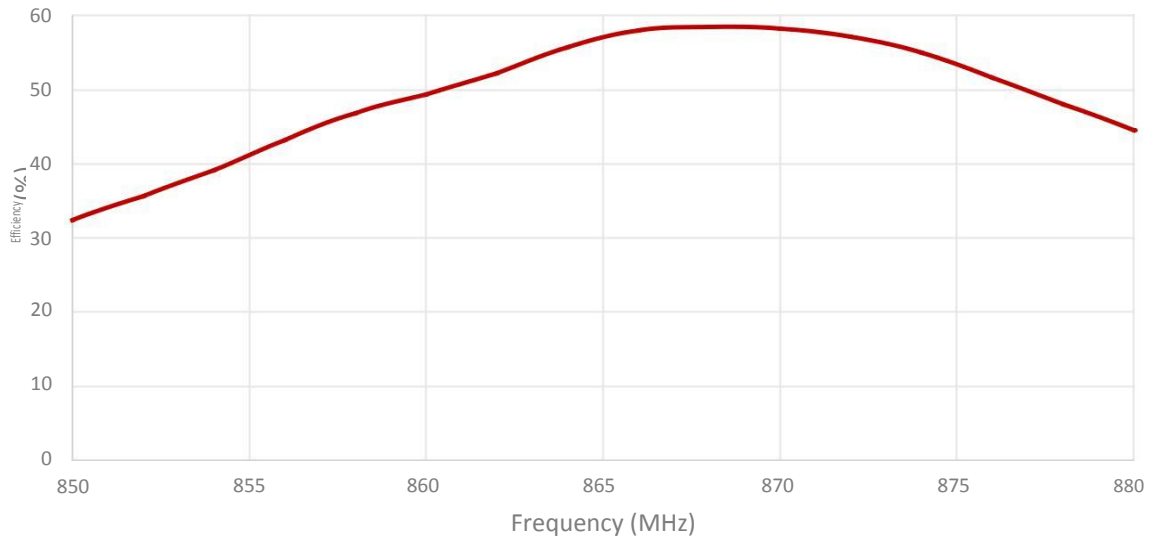
Measured in Certified CTIA 3D Anechoic Chamber

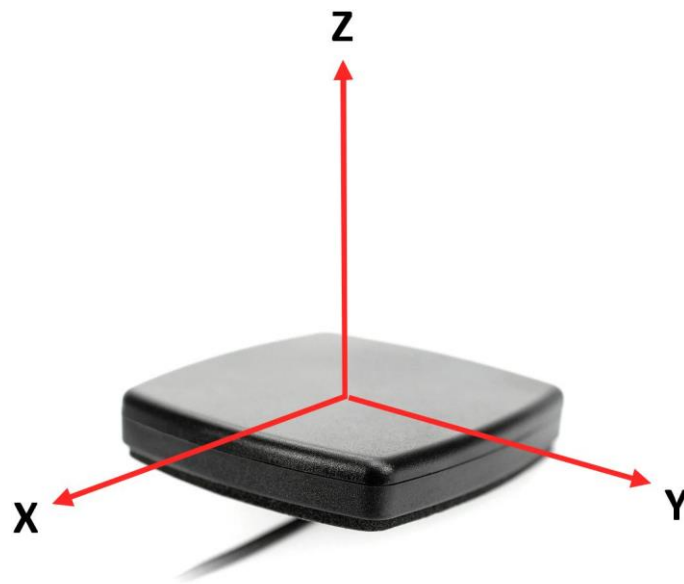
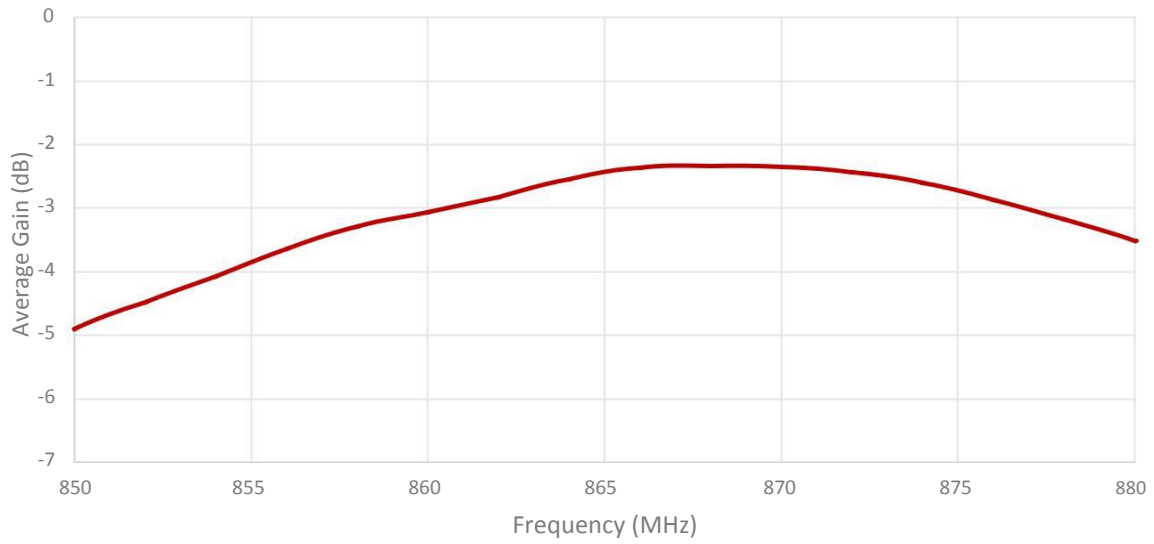
2. Mechanical and environmental specifications

Specifications	P8 A INT2
Mounting Type	Screw Mount
Dimensions (mm)	80 x 74 x 14.7
Radome	ABS
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67

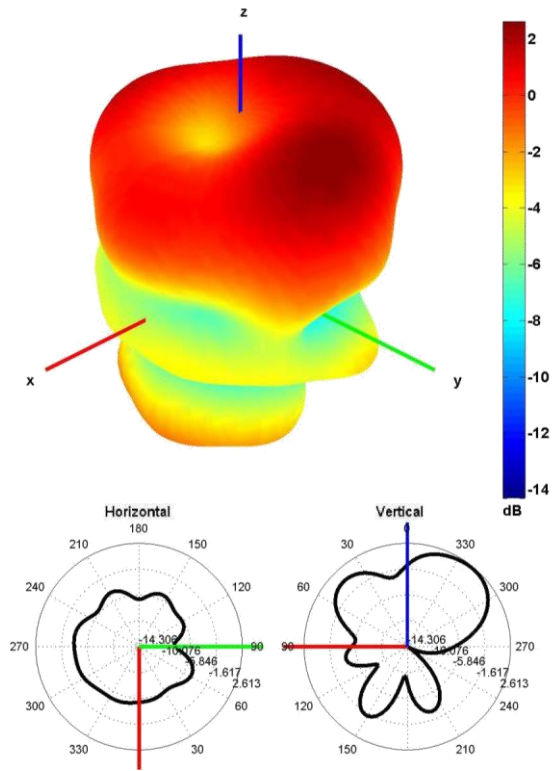
3. Antenna parameters





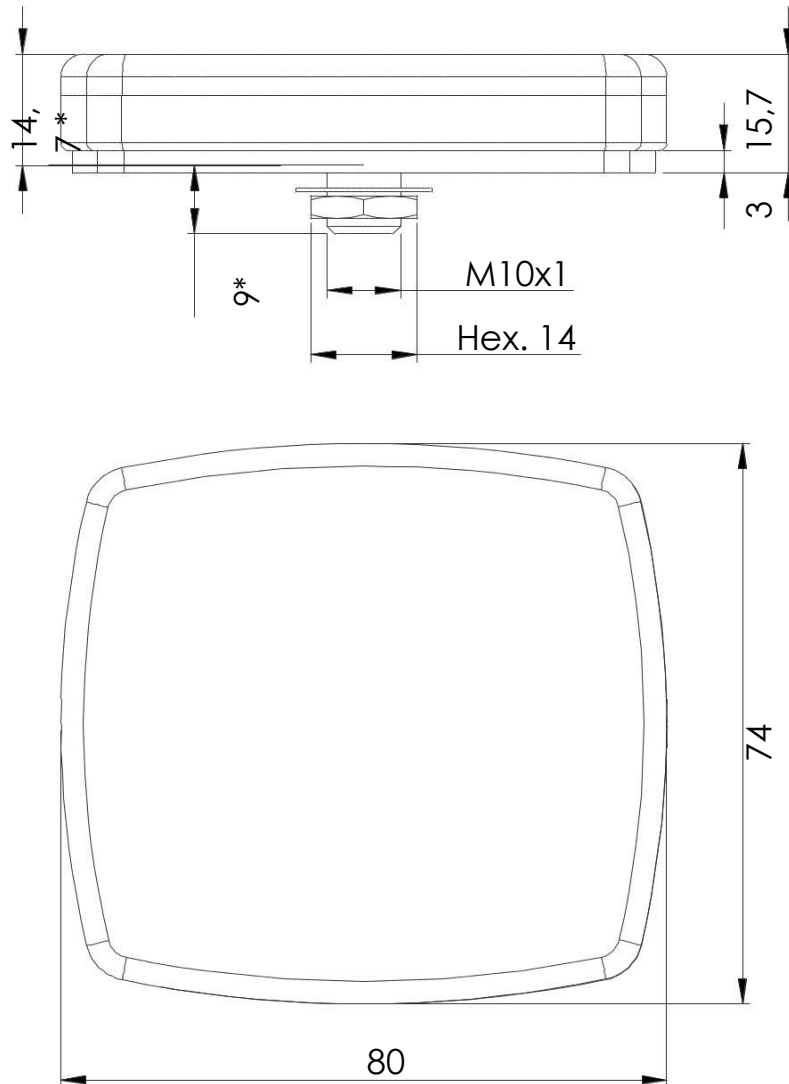


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



* Dimensions after mounting

5. Antenna Images

