

2J7615B-868

868 MHz ISM Screw Mount

Key Features

868 MHz ISM

- 863-870 MHz

Screw Mount

Anti-Rotation Mechanism

Ground Plane Independent

Customizable Cable and Connector

Dimensions: Ø 50 x 50.8 mm

Certificates: IP67, IP69



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
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	DACAR100 Standard (Other Cables Available)

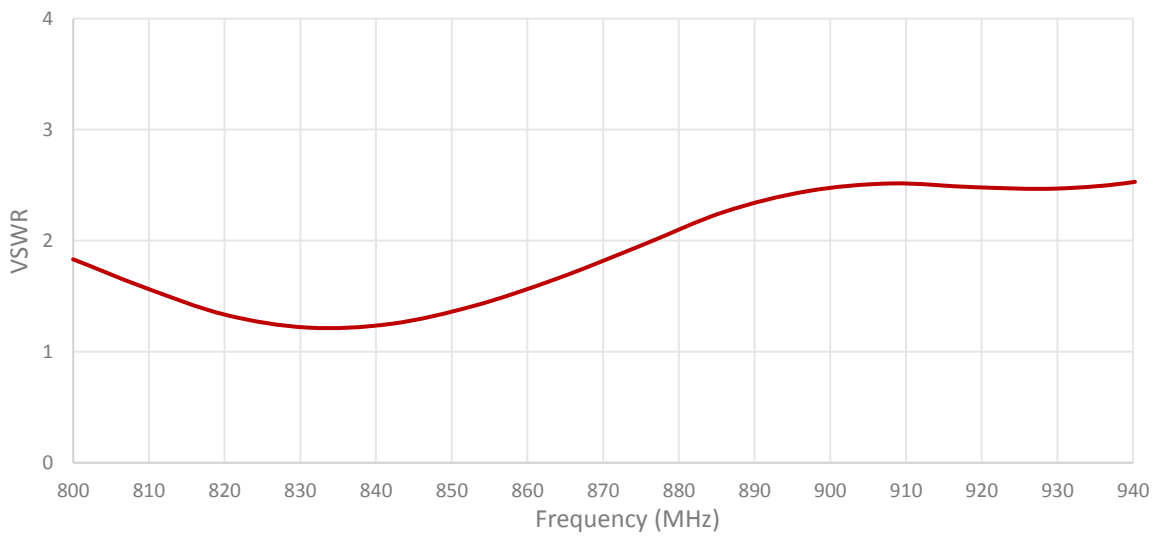
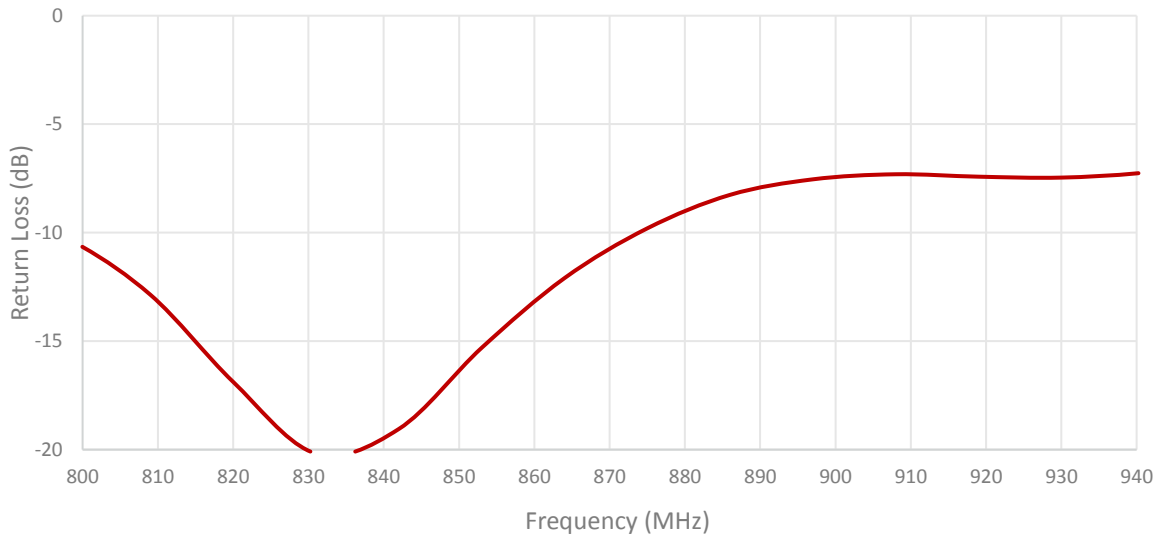
Antenna Measurement Conditions:

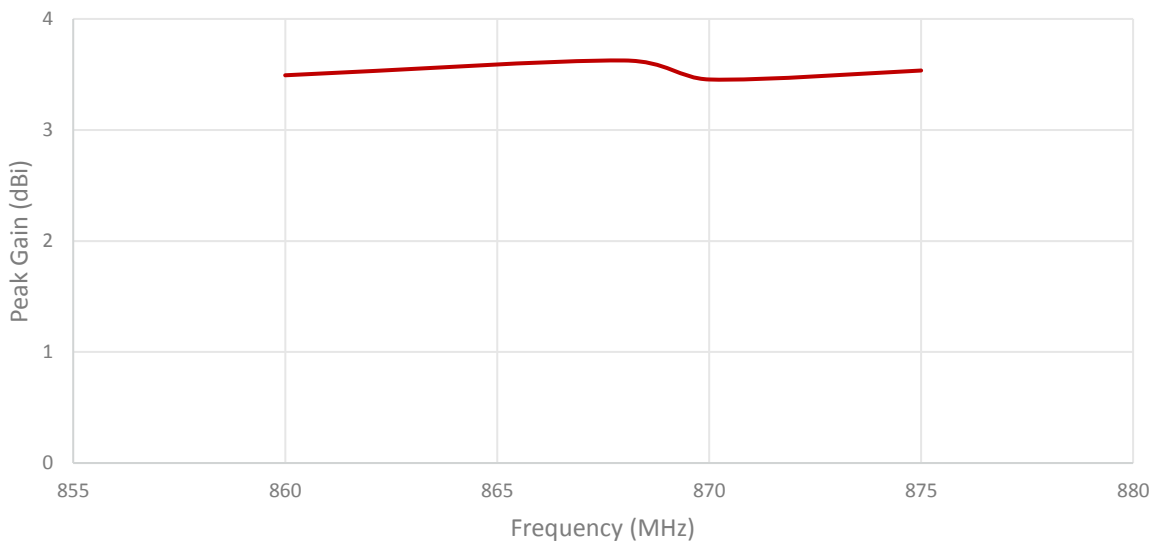
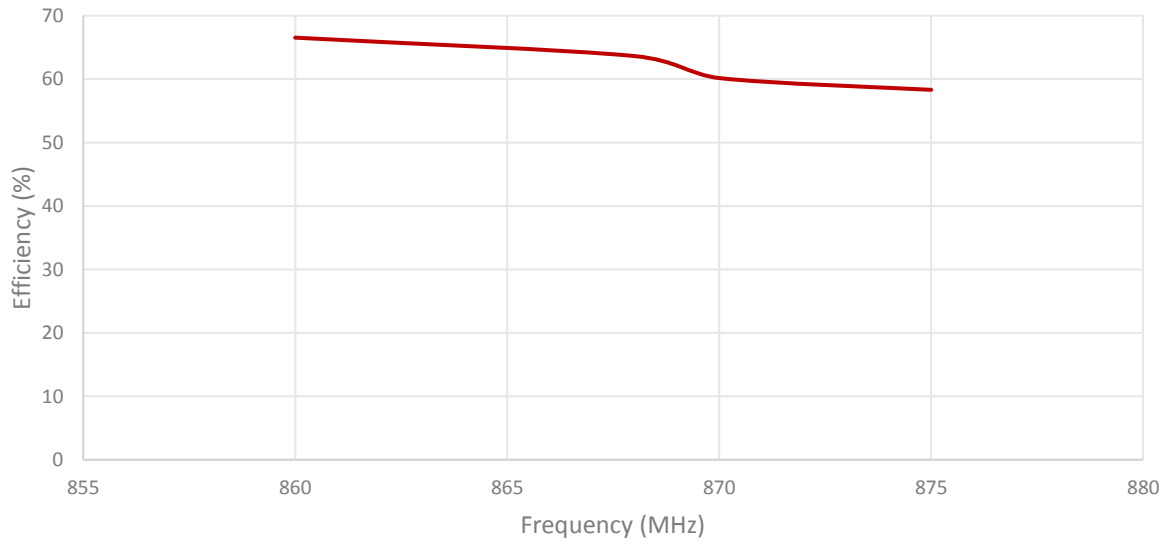
Mounted on 30 x 30 cm Ground Plane
 DACAR100 100 cm Cable Length
 Measured in Certified CTIA 3D Anechoic Chamber

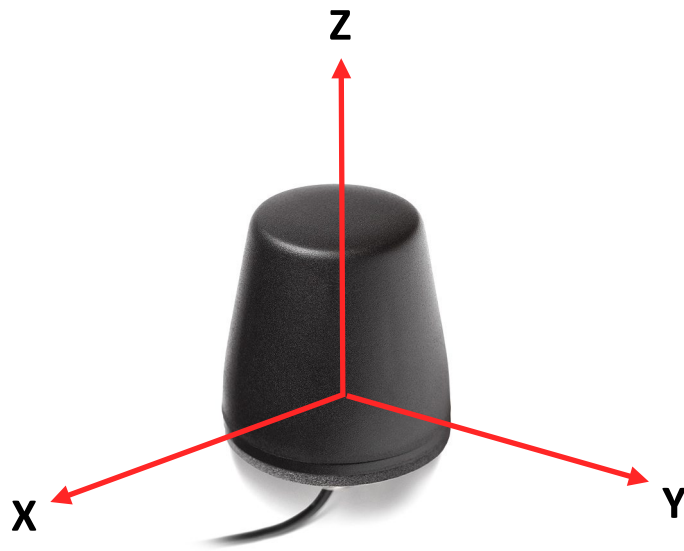
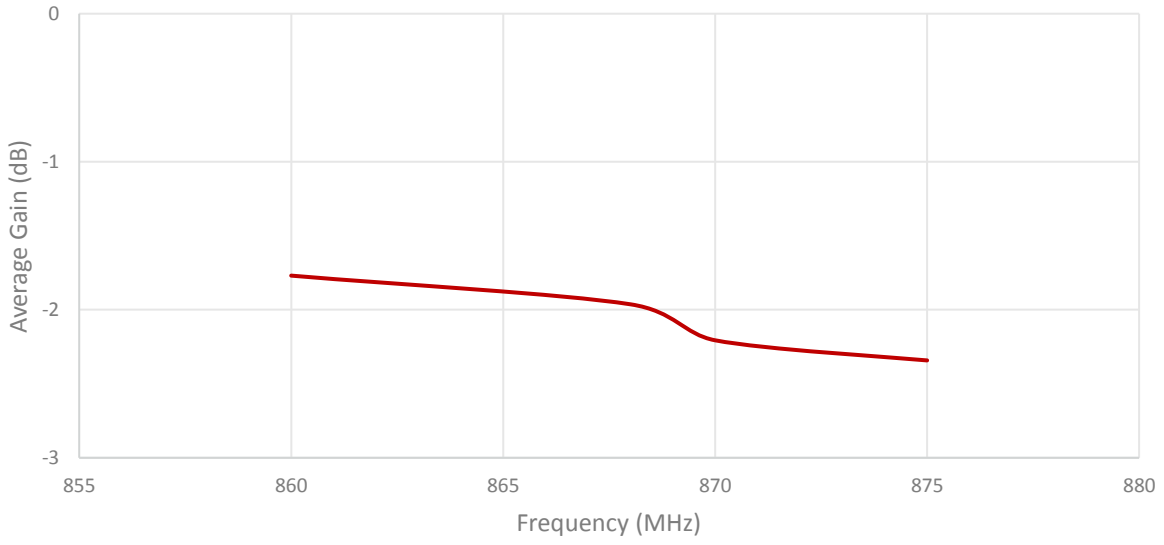
2. Mechanical and environmental specifications

Specifications	2J7615B-868
Mounting Type	Screw Mount
Dimensions (mm)	Ø 50 x 50.8
Max. Tighten Torque (Nm)	3 Nm
Radome Type	ASA
Radome Color	Black
Antenna Base	Zamak
Gasket	Double Sided Foam
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69

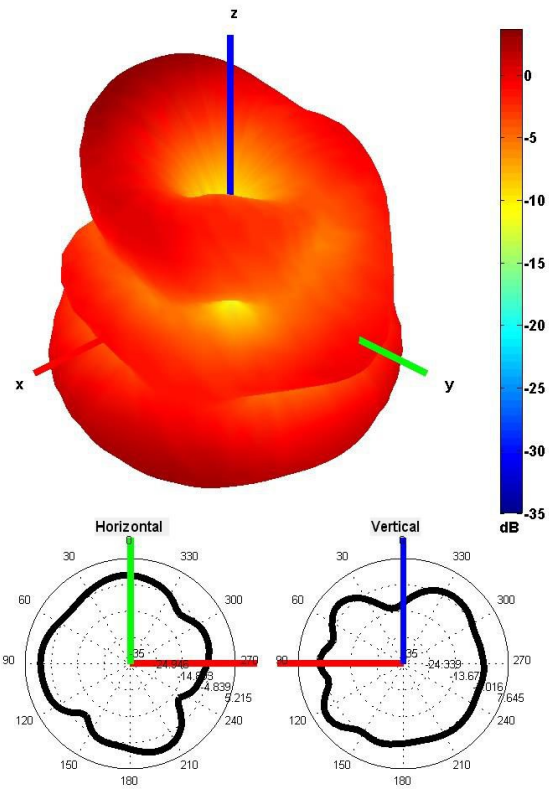
3. Antenna parameters





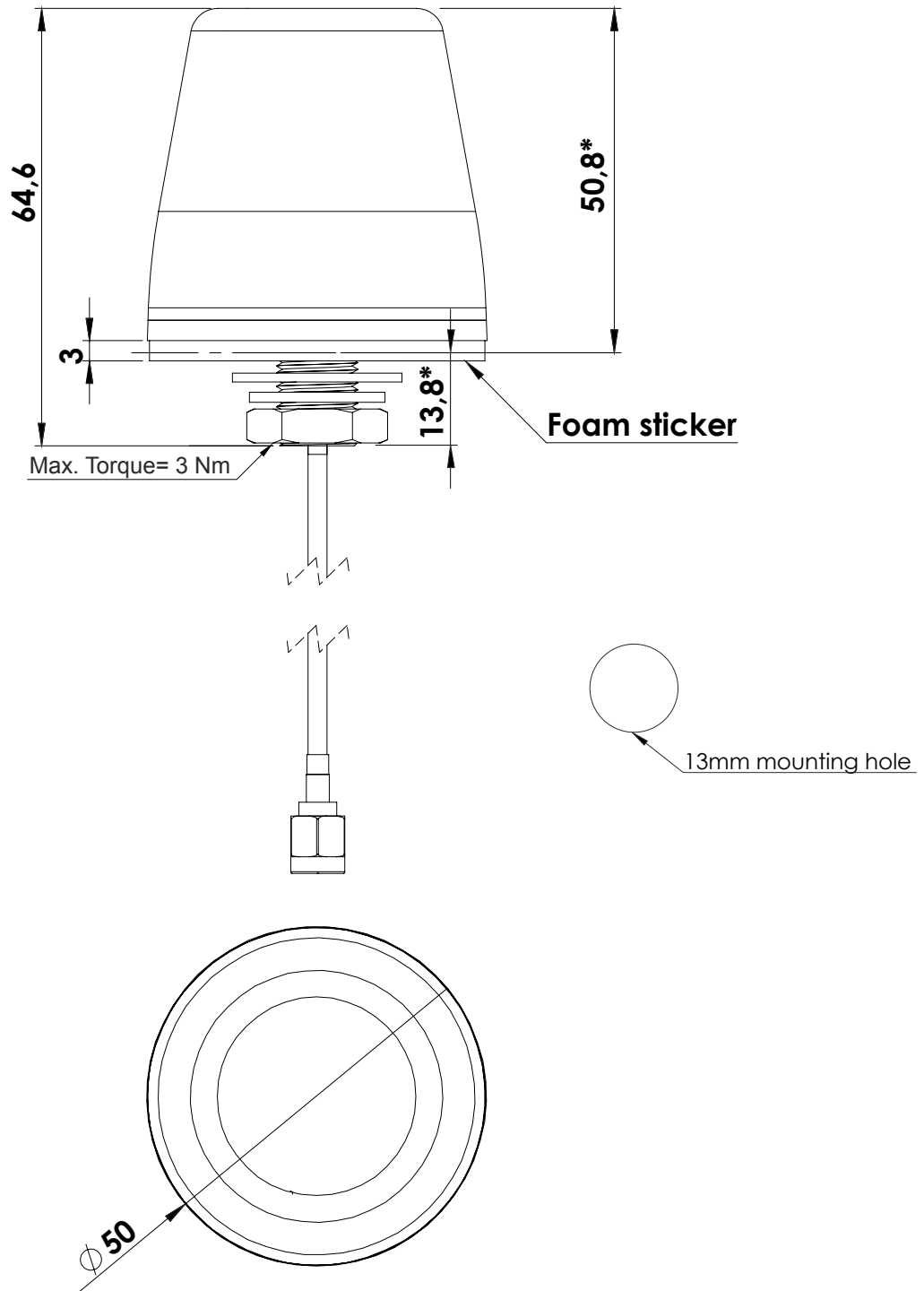


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



Note: Dimensions are in millimeters
*Dimensions are after mounting
**Max. Torque= 3 Nm

5. Antenna Images



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