

AMC-ANT-2J6815MP-868

868MHz adhesive & magnetic mount antenna

Features

- 868MHz ISM
 - 863 - 870MHz
- Adhesive and magnetic mount
- Ground plane dependent
- High performance
- Dimensions: 117 x 49.5 x 38mm
- Customisable cable and connector



1. Antenna and electrical specifications

Parameters	868MHz ISM antenna
Standards	LoRa, Sigfox, ZigBee, ISM
Band (MHz)	868
Frequency (MHz)	863 - 870
Return Loss (dB)	~-19.3
VSWR	~1.2:1
Efficiency (%)	~70.3
Peak Gain (dBi)	~3.1
Average Gain (dB)	~-1.5
Impedance (Ohms)	50
Polarisation	Linear
Radiation Pattern	Omni-directional
Max. Input Power (W)	25
Connector Type	SMA male standard (other connectors available)
Cable Length	300cm standard (other cable lengths available)
Cable Type	Dacar 302 standard (other cables available)

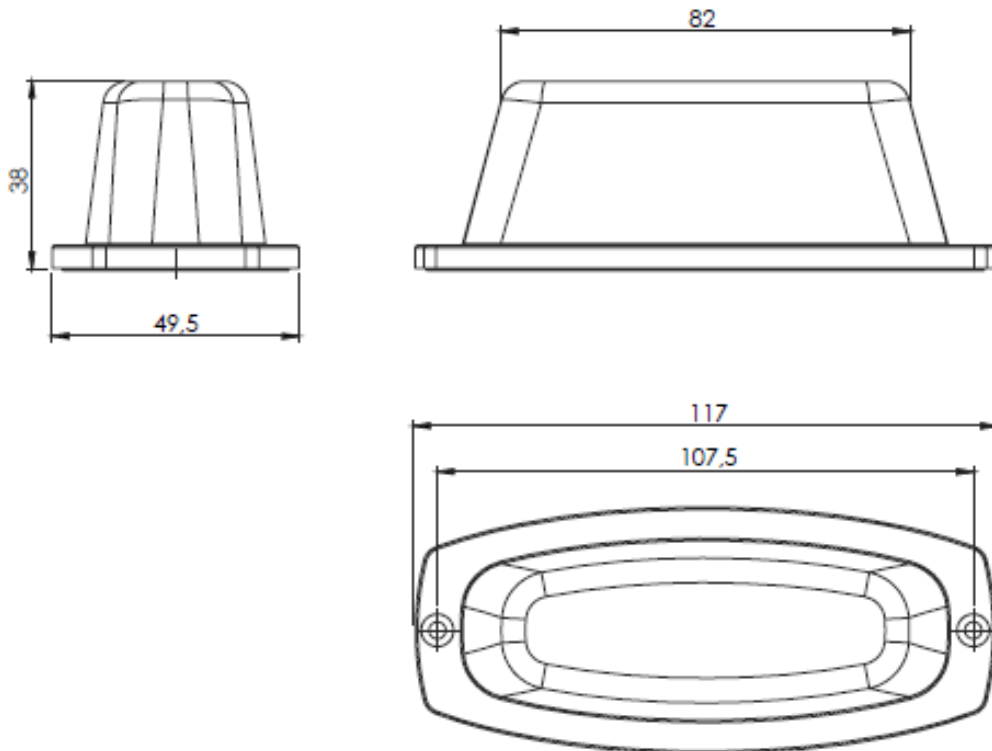
Antenna measurement conditions:

- Mounted on 30 x 30cm ground plane
- 200cm RG174Dacar 302 cable
- Measured in certified CTIA 3D anechoic chamber

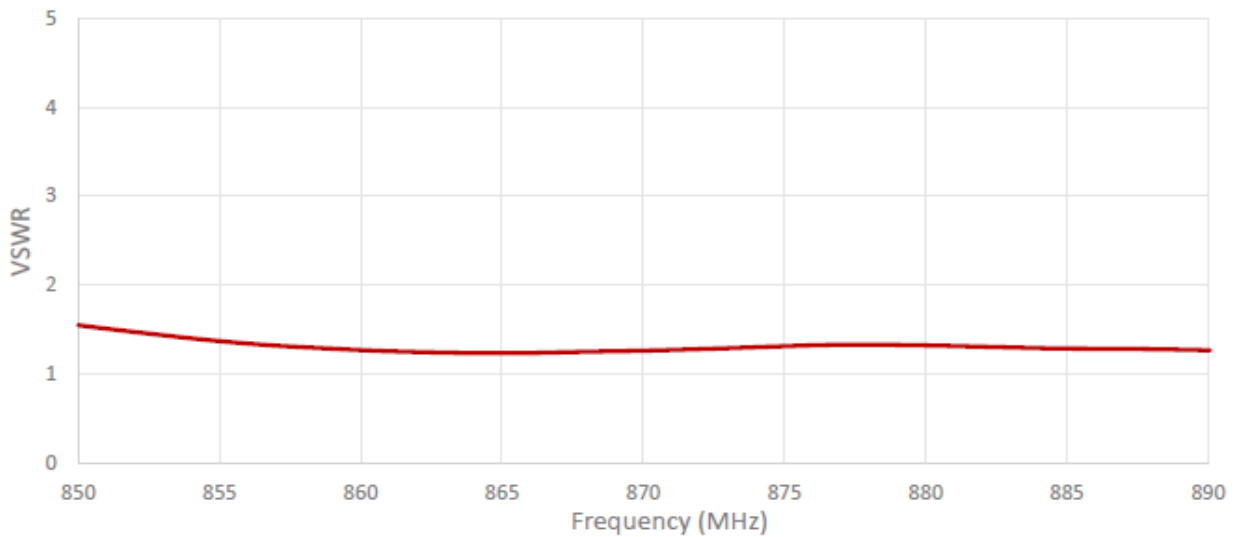
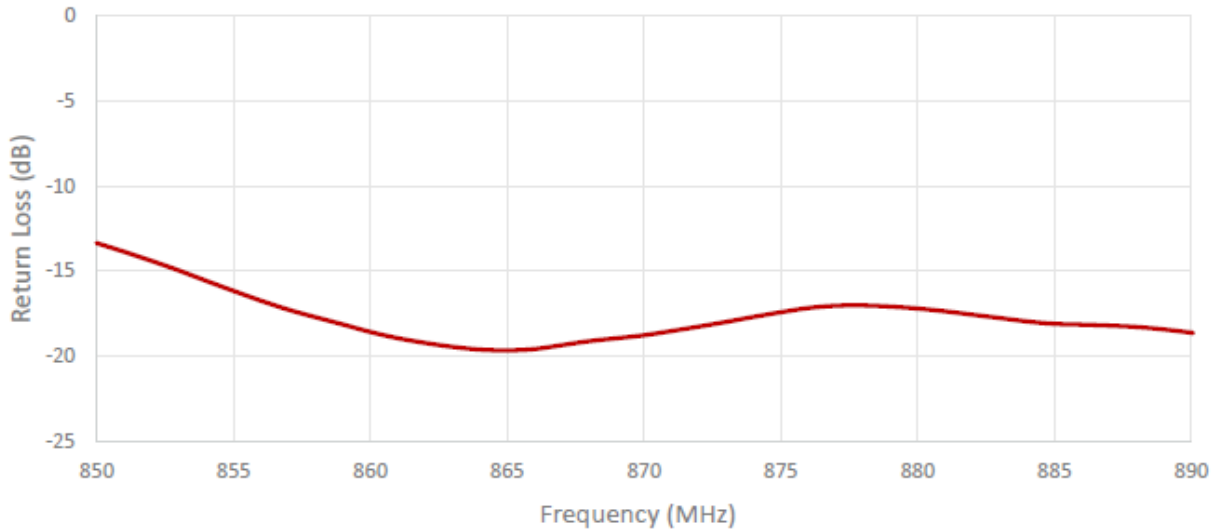


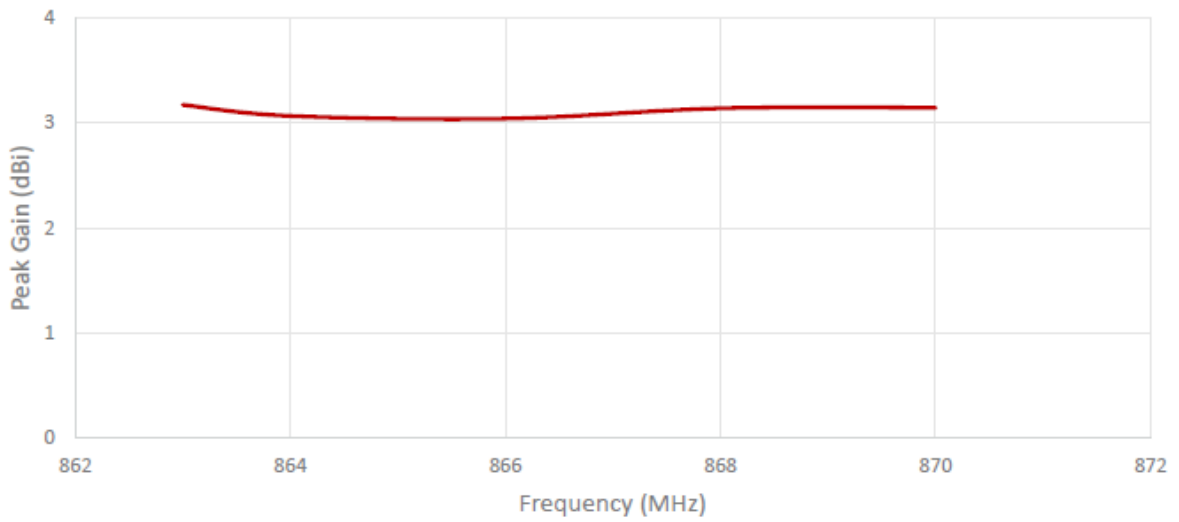
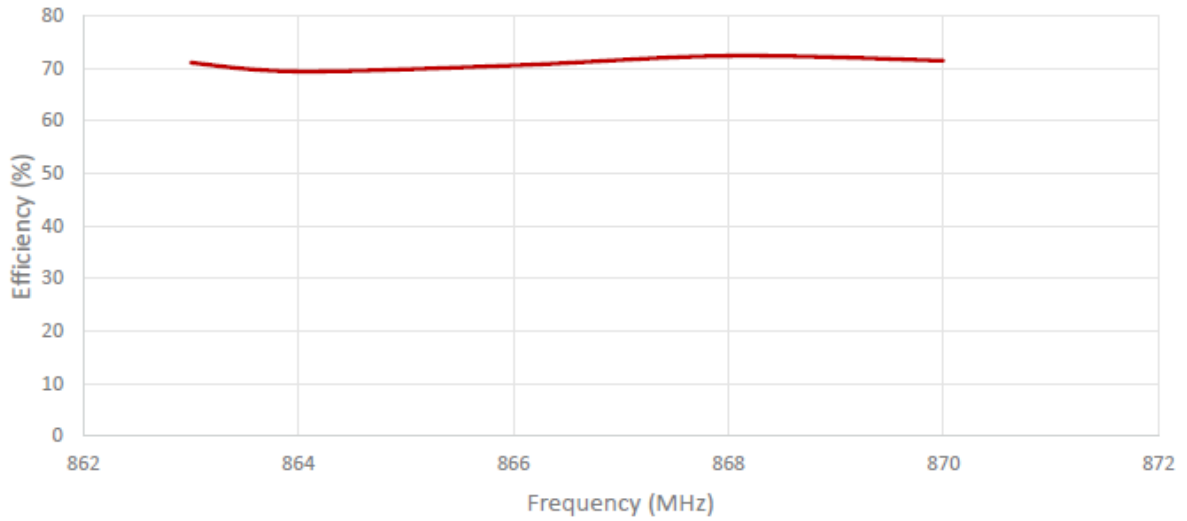
2. Mechanical and environmental specifications

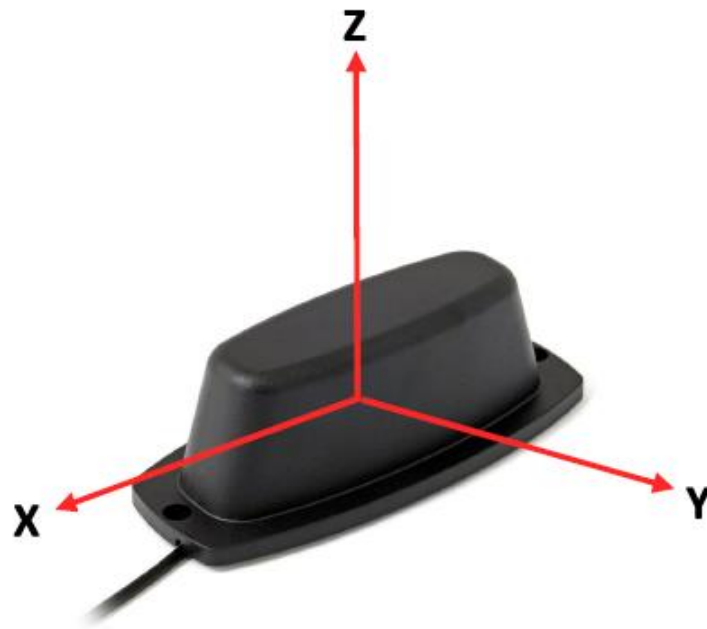
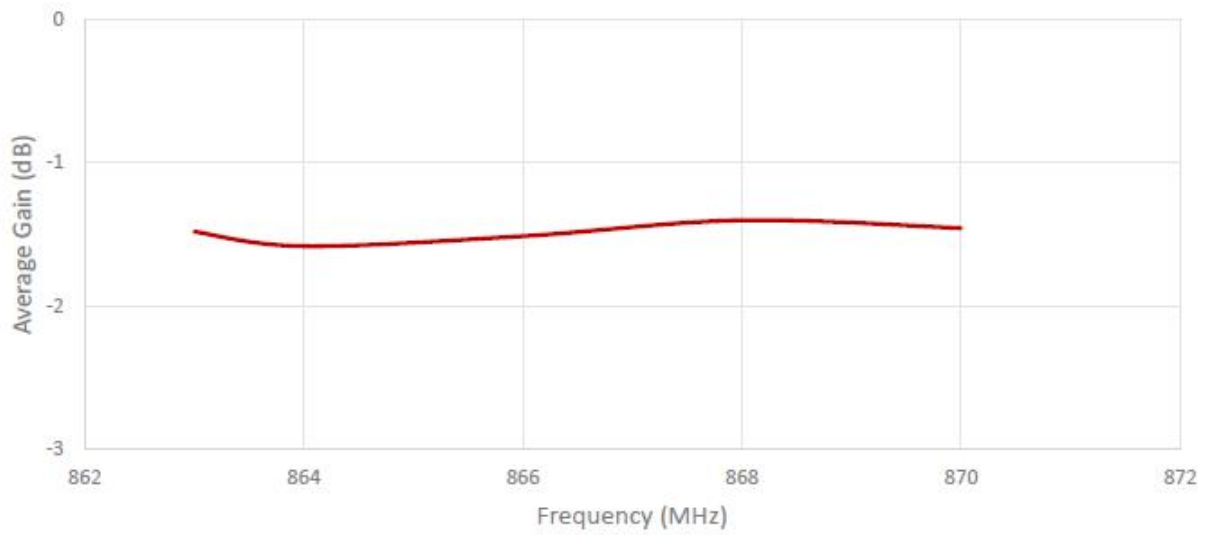
Mounting Type	Adhesive and magnetic mount
Dimensions (mm)	117 x 49.5 x 38
Radome	ASA
Colour	Black
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



3. Antenna parameters

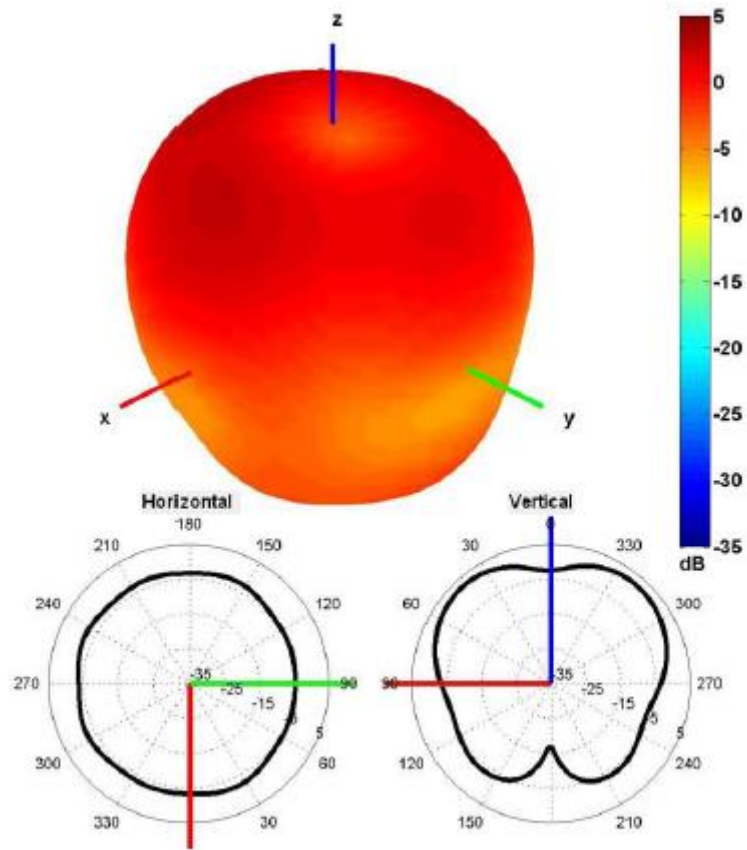






Radiation pattern reference





868 MHz Radiation pattern

