

AMC-ANT-2JF1115P

868MHz flexible polymer (FPC) antenna

Features

- 868MHz ISM
 - 863 - 870MHz
- Self-adhesive
- Flexible material
- High performance
- Ground plane independent
- Dimensions: 40 x 7 x 0.2mm
- 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)	~-14.9
VSWR	~1.4:1
Efficiency (%)	~57.7
Peak Gain (dBi)	~1.8
Average Gain (dB)	~-2.4
Impedance (Ohms)	50
Polarisation	Linear
Radiation Pattern	Omni-directional
Max. Input Power (W)	25
Connector Type	U.FL standard (other connectors available)
Cable Length	10cm standard (other cable lengths available)
Cable Type	1.37mm micro coax standard (other cables available)

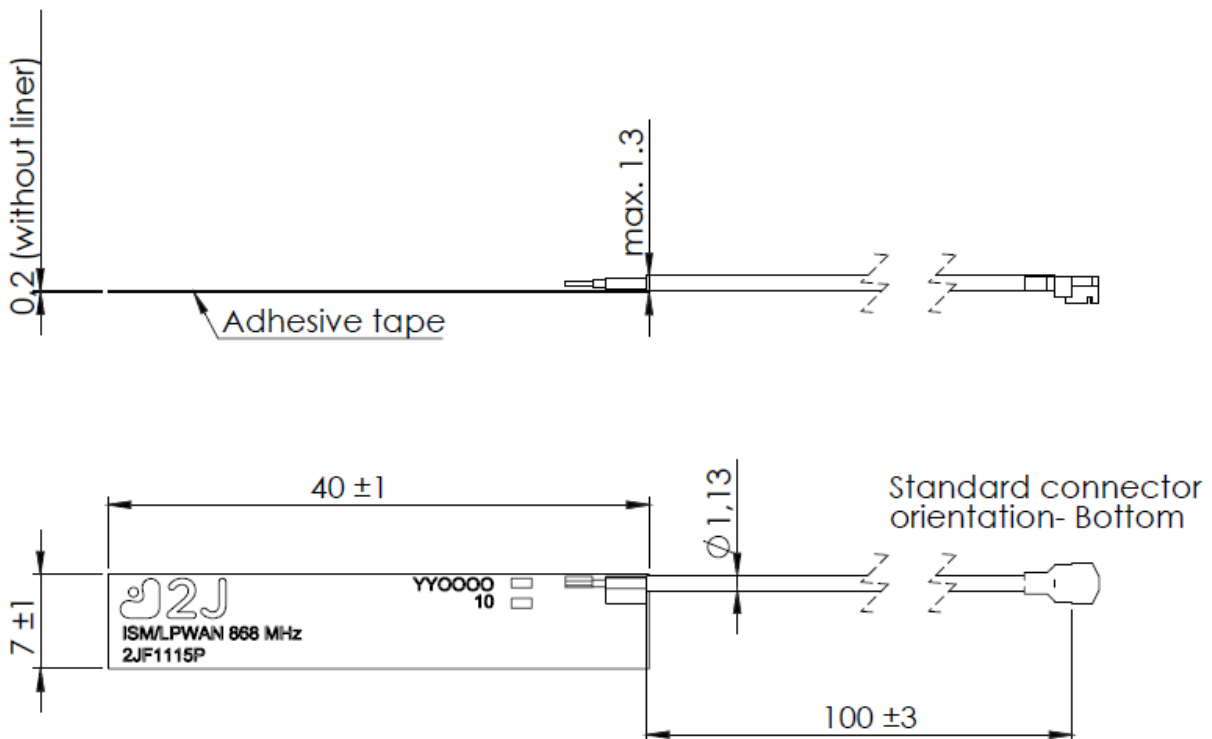
Antenna measurement conditions:

- Mounted on 30 x 30 x 0.25cm ABS plastic plate
- 10cm 1.37mm cable
- Measured in certified CTIA 3D anechoic chamber

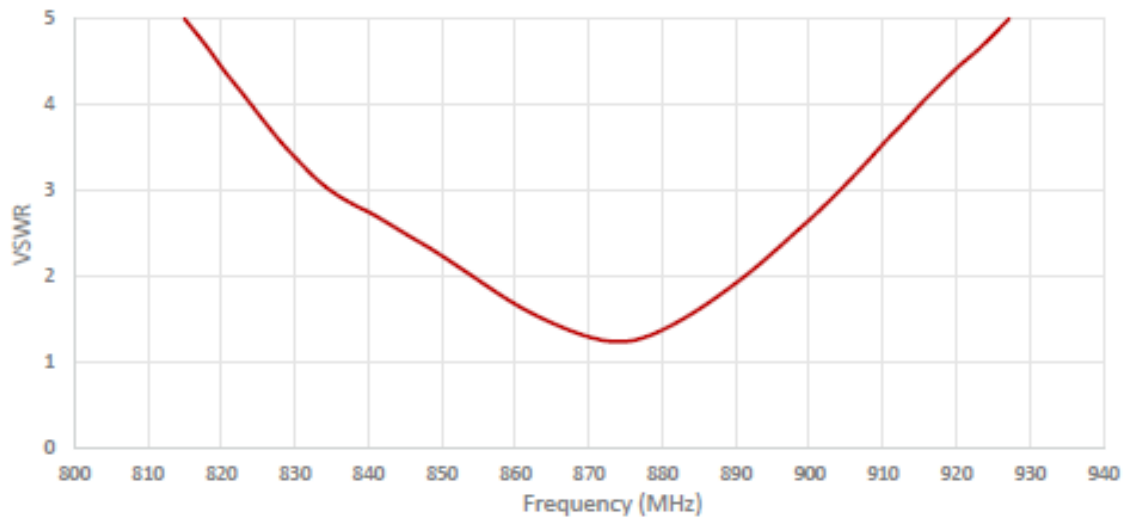
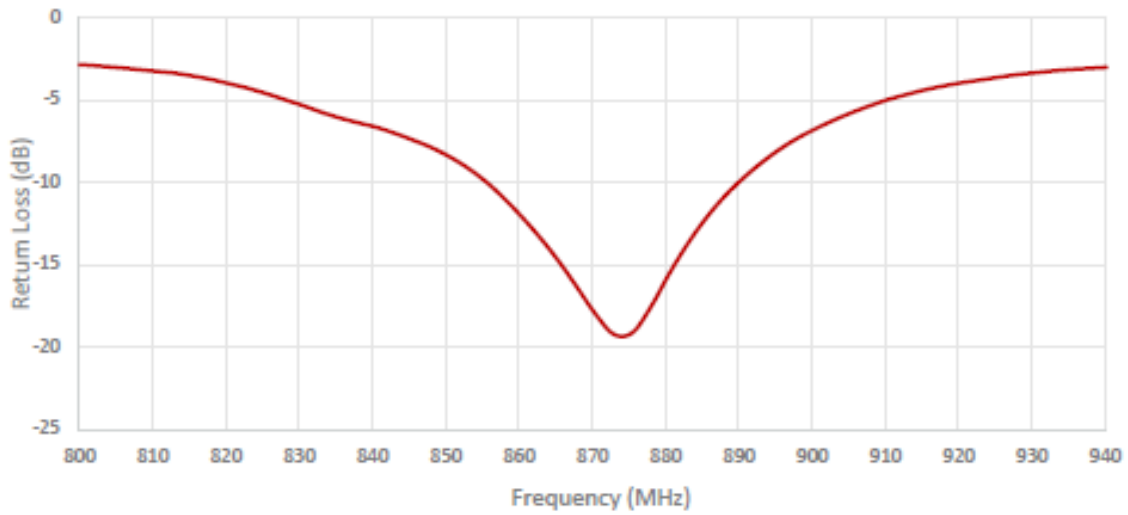


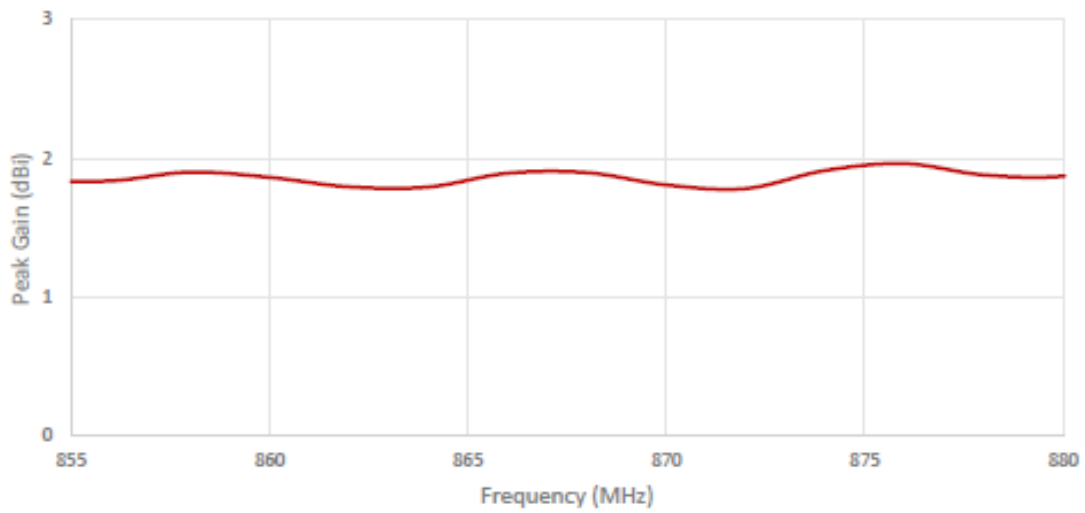
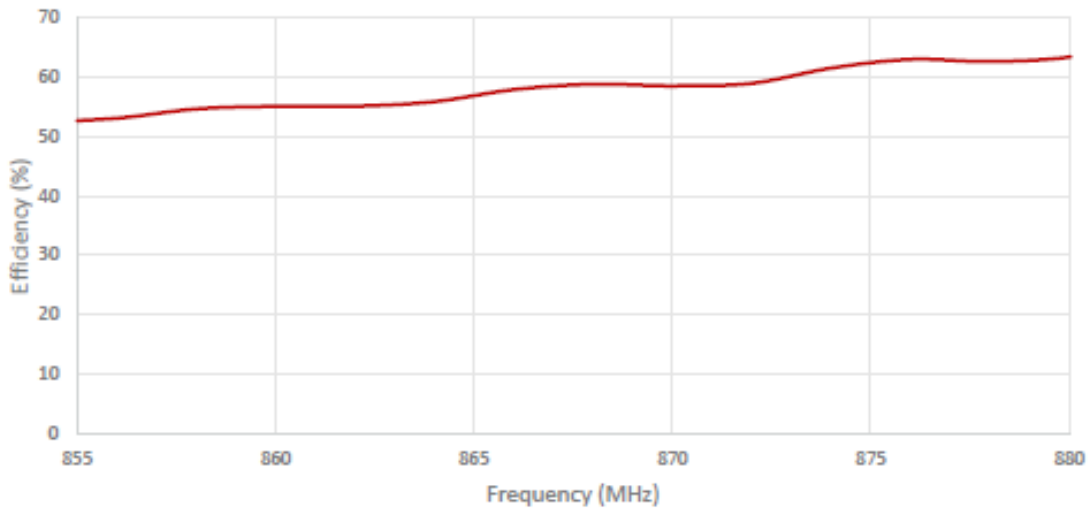
2. Mechanical and environmental specifications

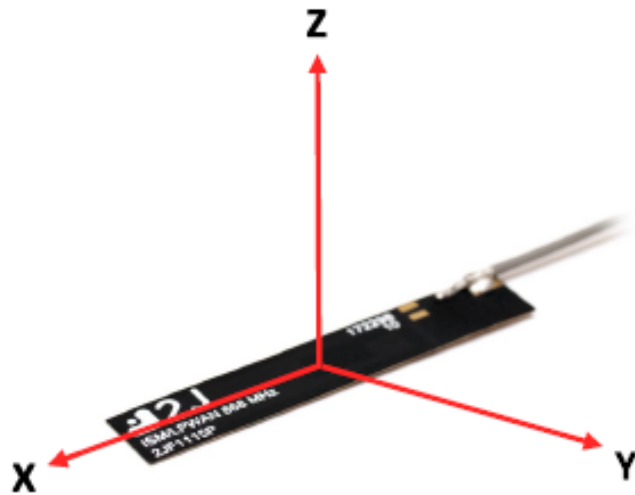
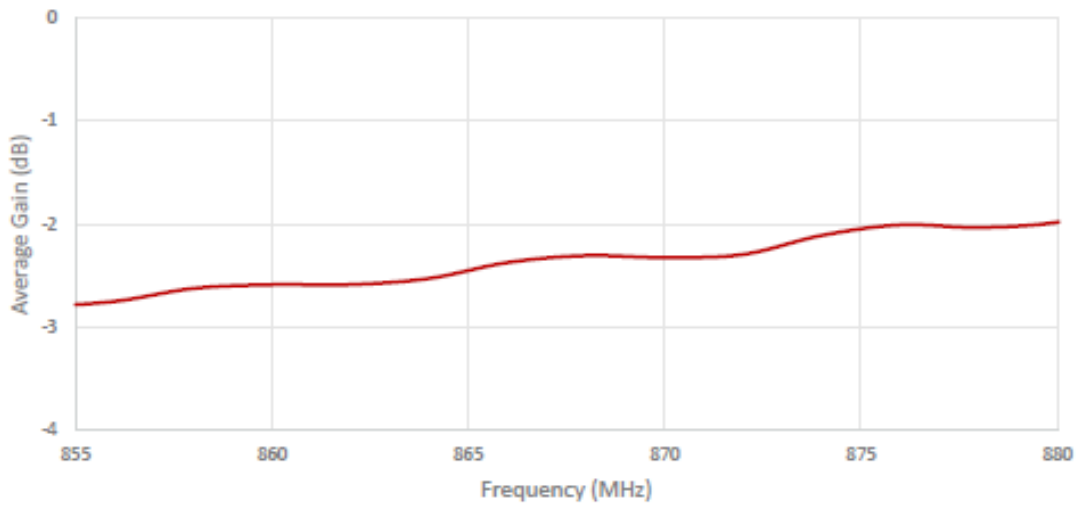
Mounting Type	Self-adhesive
Dimensions (mm)	40 x 7 x 0.2
Adhesive Type	3M 467
Material	Flexible polymer
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



3. Antenna parameters

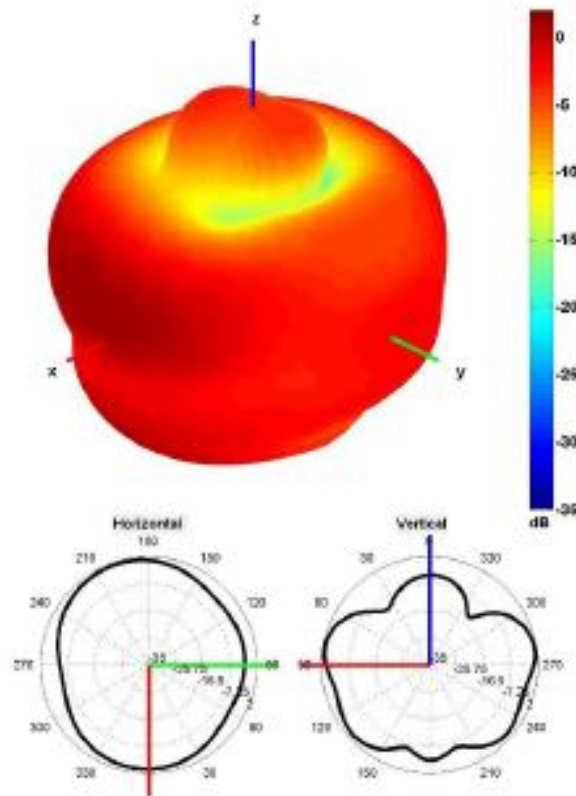






Radiation pattern reference





868 MHz Radiation pattern

