

AMC-ANT-2J0A02-5.0-C166G

5.0GHz ISM connector mount antenna

Features

- 5.0GHz ISM
 - 4920 – 5925MHz
- High efficiency
- High gain
- Ground plane dependent
- Connector mount
- Dimensions: 44 x 9.6mm



1. Antenna and electrical specifications

Parameters	5.0GHz ISM antenna
Standards	Wi-Fi, ISM
Band (MHz)	5.0GHz
Frequency (MHz)	4920 - 5925
Return loss (dB)	~-12.7
VSWR	~1.6:1
Efficiency (%)	~88
Peak gain (dBi)	~5.3
Average gain (dB)	~-0.5
Impedance (Ohms)	50
Polarization	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector type	RP-SMA male

Measurement Conditions:

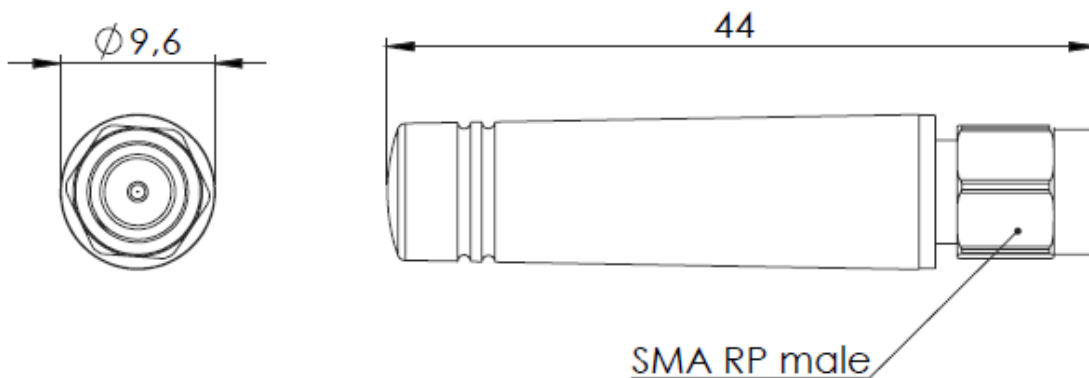
- Mounted on 70 x 35mm ground plane
- Measured in certified CTIA 3D anechoic chamber



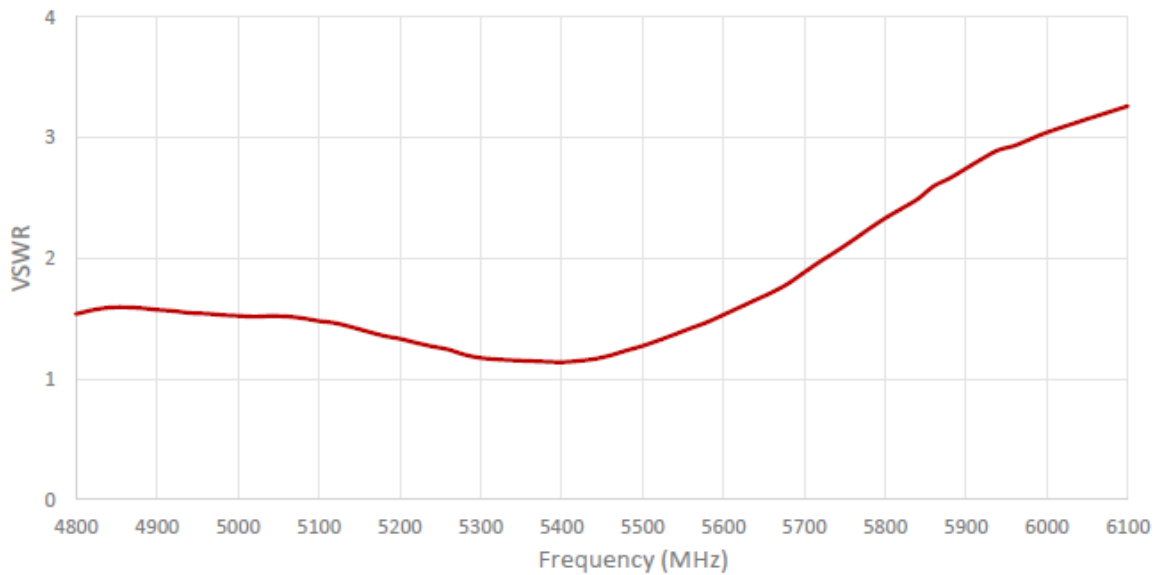
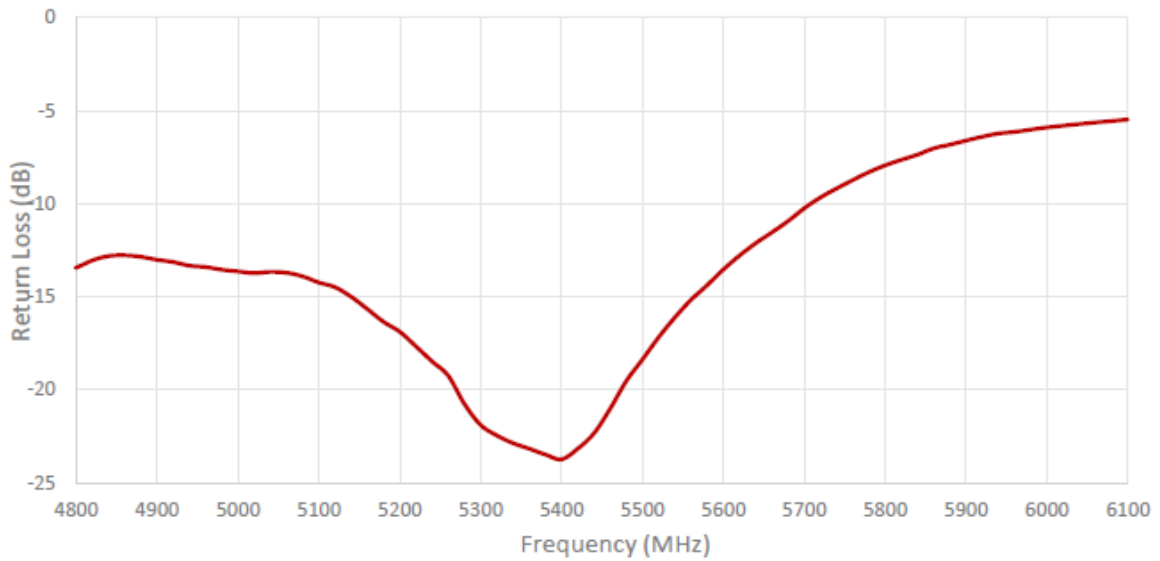
2. Mechanical and environmental specifications

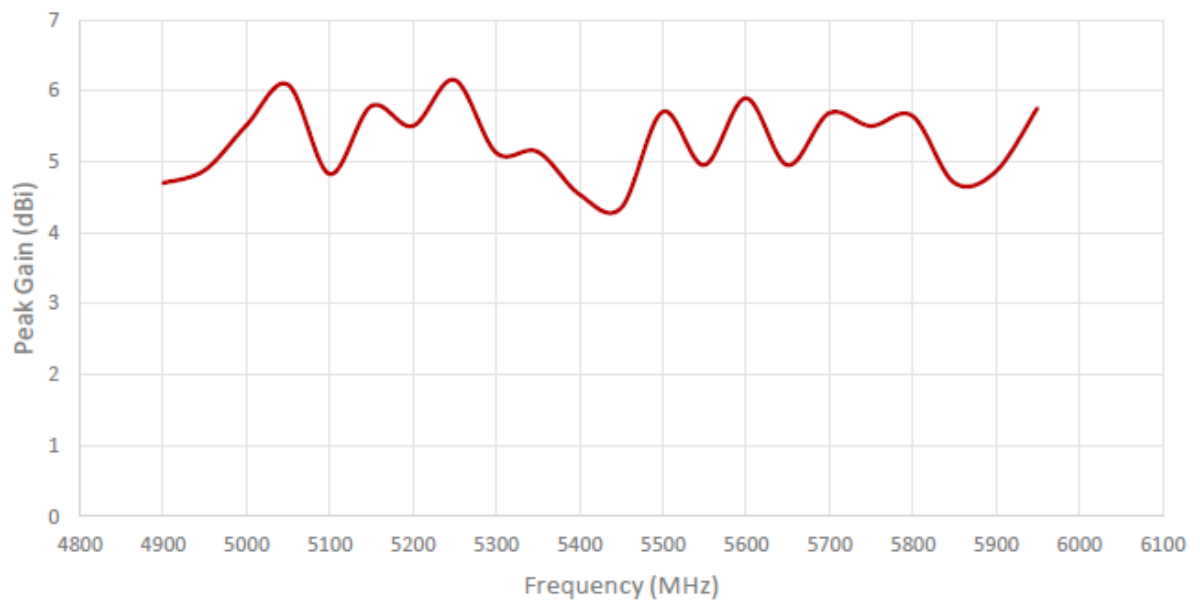
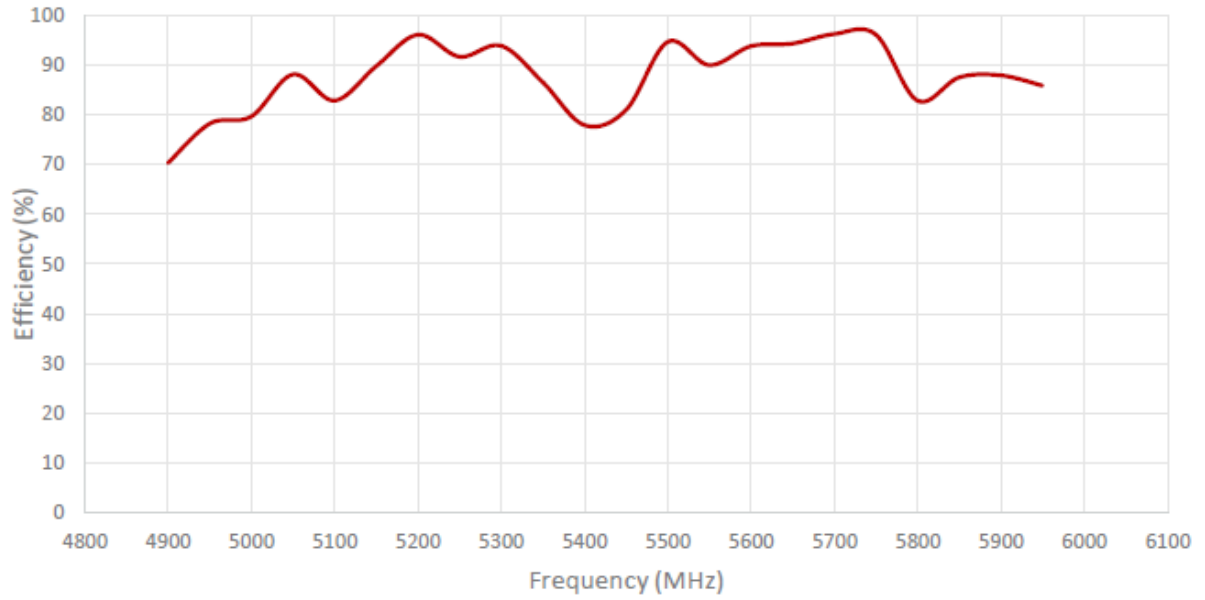
Mounting type	Connector mount
Dimensions (mm)	44 x 9.6
Radome	ASA UV stable
Radome colour	Black
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS

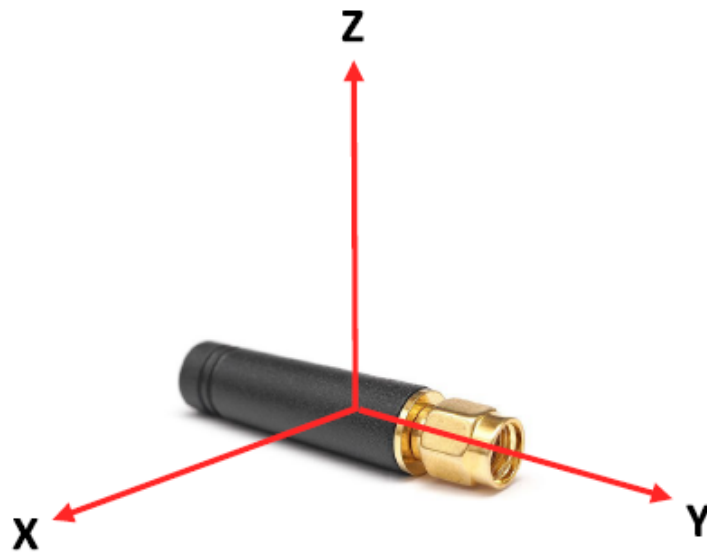
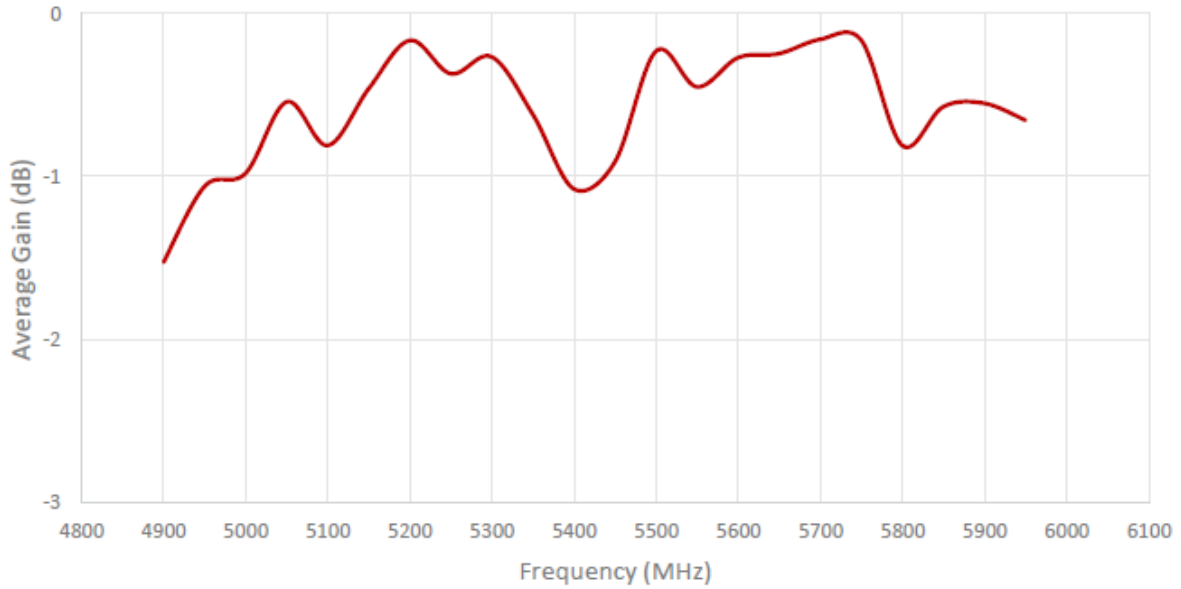
3. Antenna drawings



4. Antenna parameters

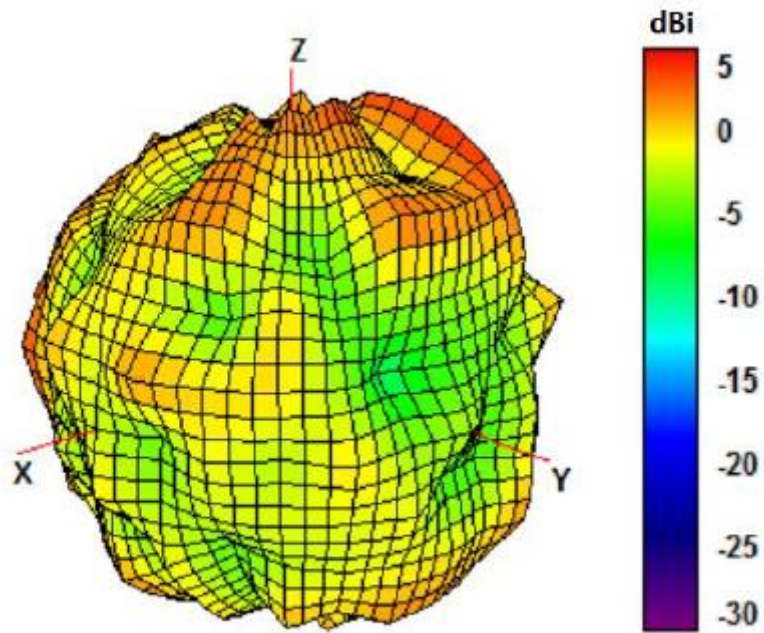






Radiation pattern reference





5500 MHz Radiation pattern

