

AMC-ANT-2J0502-C115N

2.4/5.0GHz connector mount antenna

Features

- 2.4/5.0GHz ISM
 - 2410 – 2490MHz
 - 4920 – 5925MHz
- Connector mount
- Ground plane dependent
- Certificates: IP67
- Dimensions: \varnothing 15.7 x 58.2mm



1. Antenna and electrical specifications

Parameters	2.4/5.0GHz ISM antenna	
Standards	Wi-Fi, Bluetooth, ZigBee, ISM	
Band (MHz)	2.4GHz	5.0GHz
Frequency (MHz)	2410 - 2490	4920 - 5925
Return loss (dB)	~-7.0	~-9.8
VSWR	~2.6:1	~2.1:1
Efficiency (%)	~52.2	~53.1
Peak gain (dBi)	~2.8	~2.4
Average gain (dB)	~-2.8	~-2.8
Impedance (Ohms)	50	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector type	RP-SMA male standard	

Measurement Conditions:

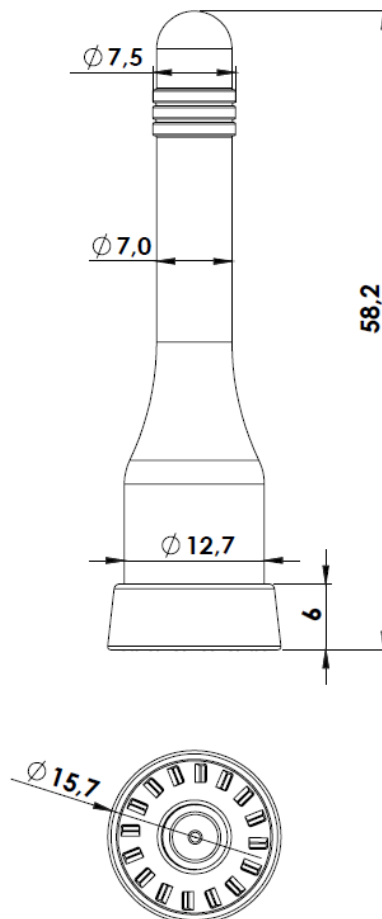
- Mounted on 70 x 35mm ground plane
- Measured in certified CTIA 3D anechoic chamber



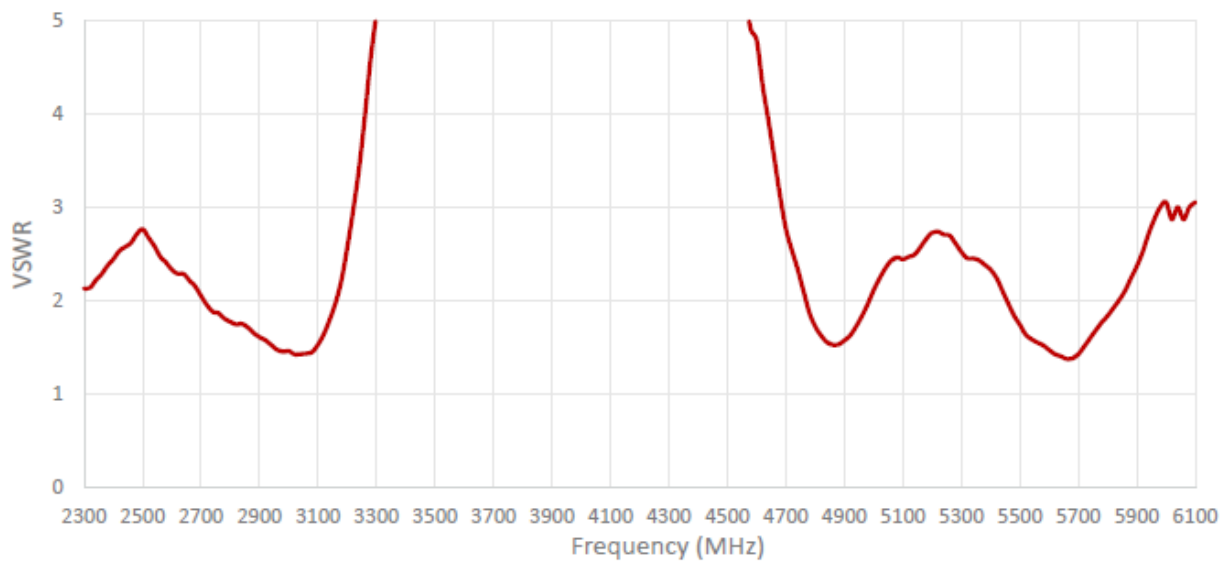
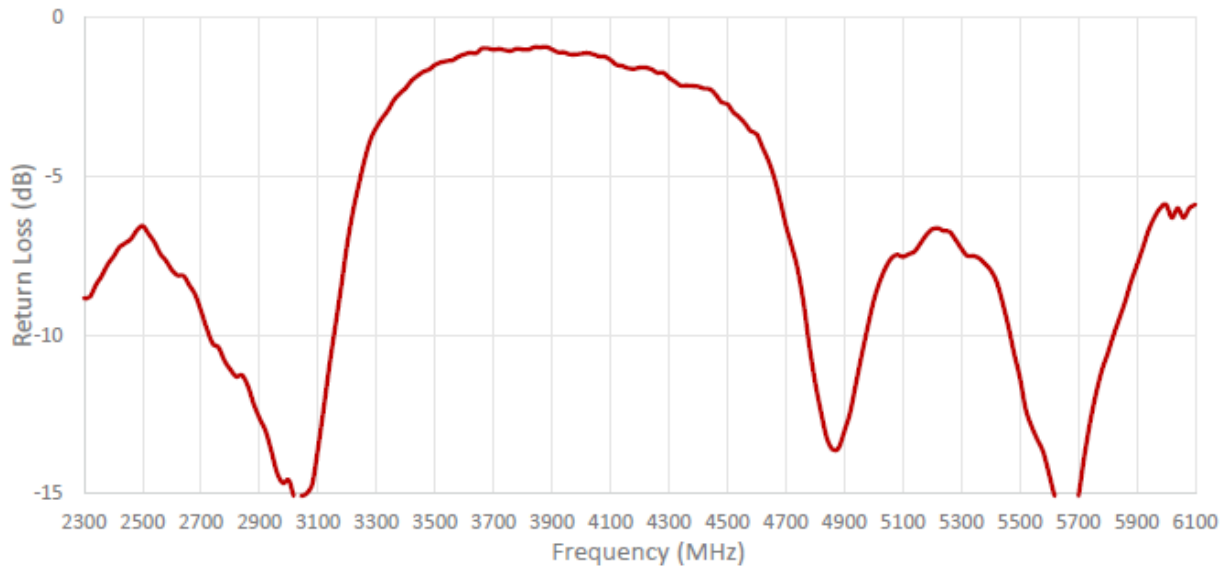
2. Mechanical and environmental specifications

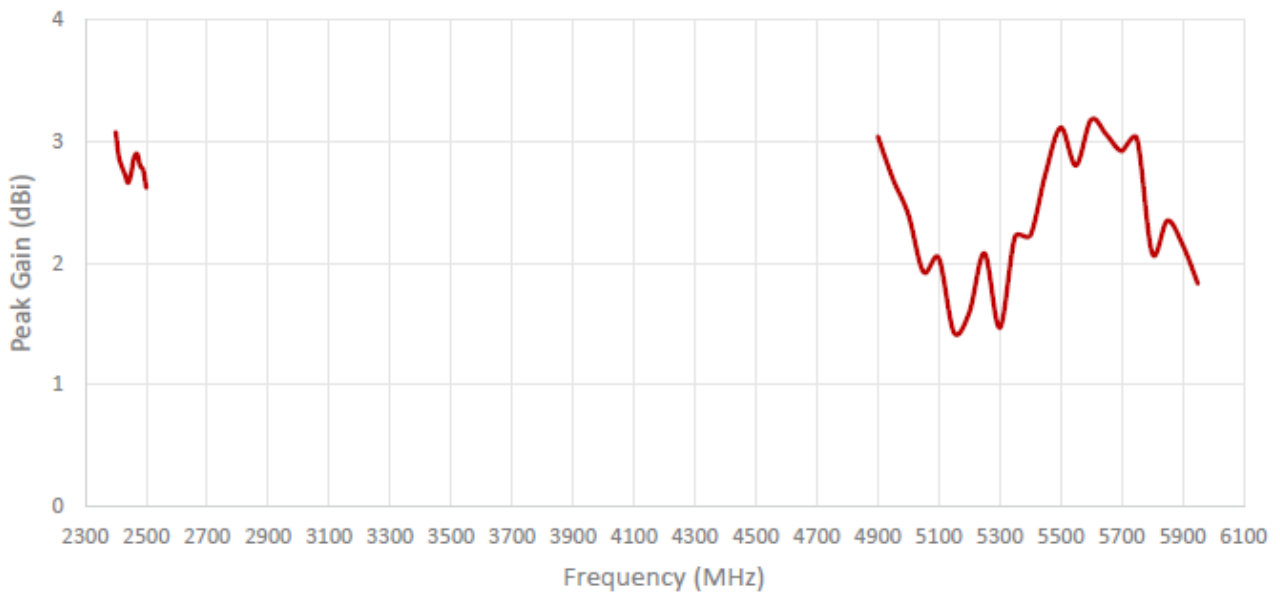
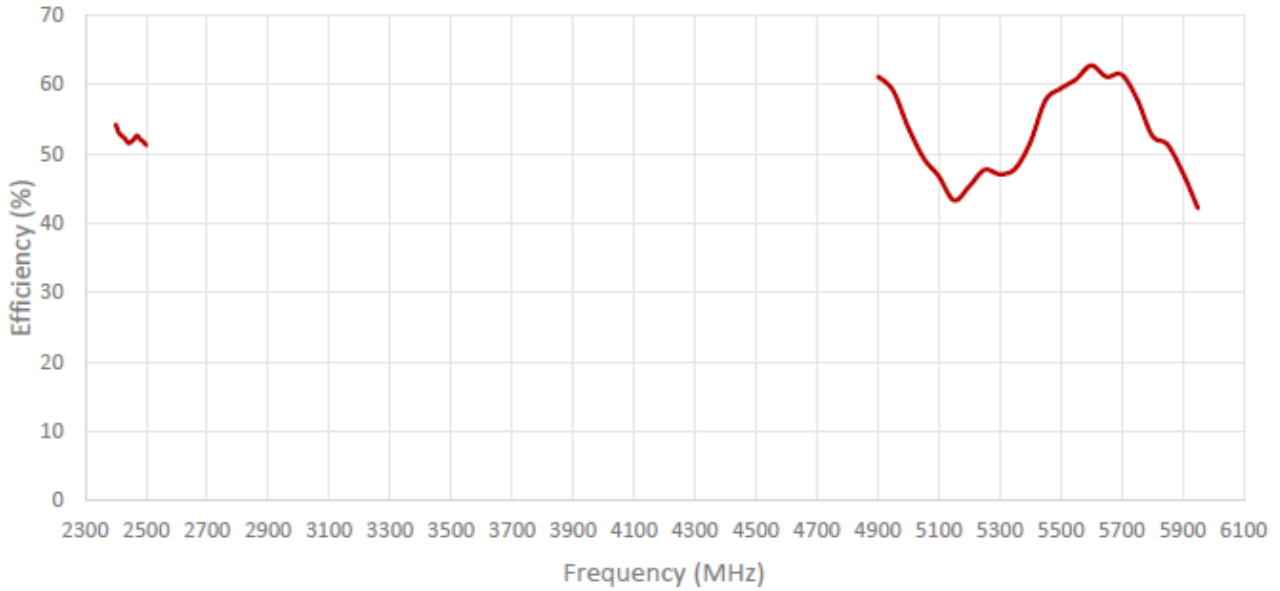
Mounting type	Connector mount
Dimensions (mm)	Ø 15.7 x 58.2
Radome Type	TPE
Radome colour	Black
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS
Certificates	IP67

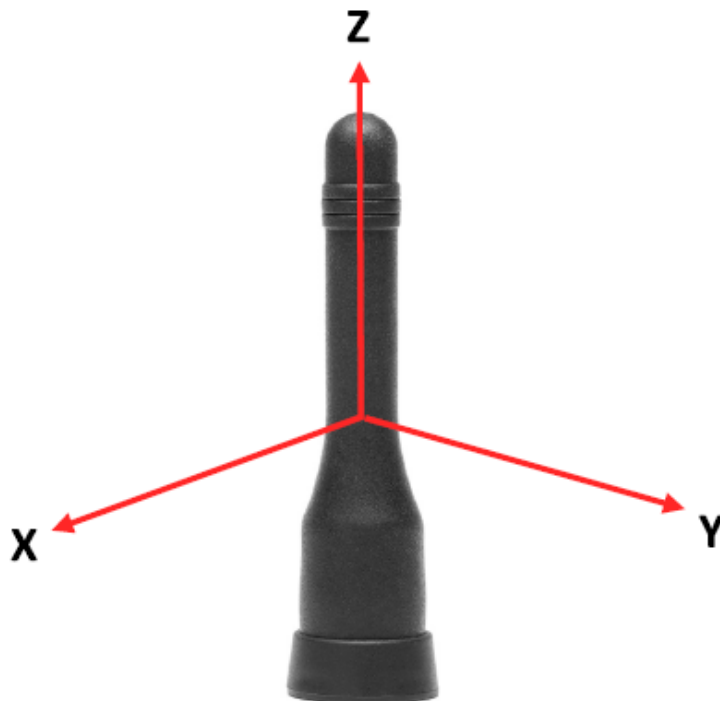
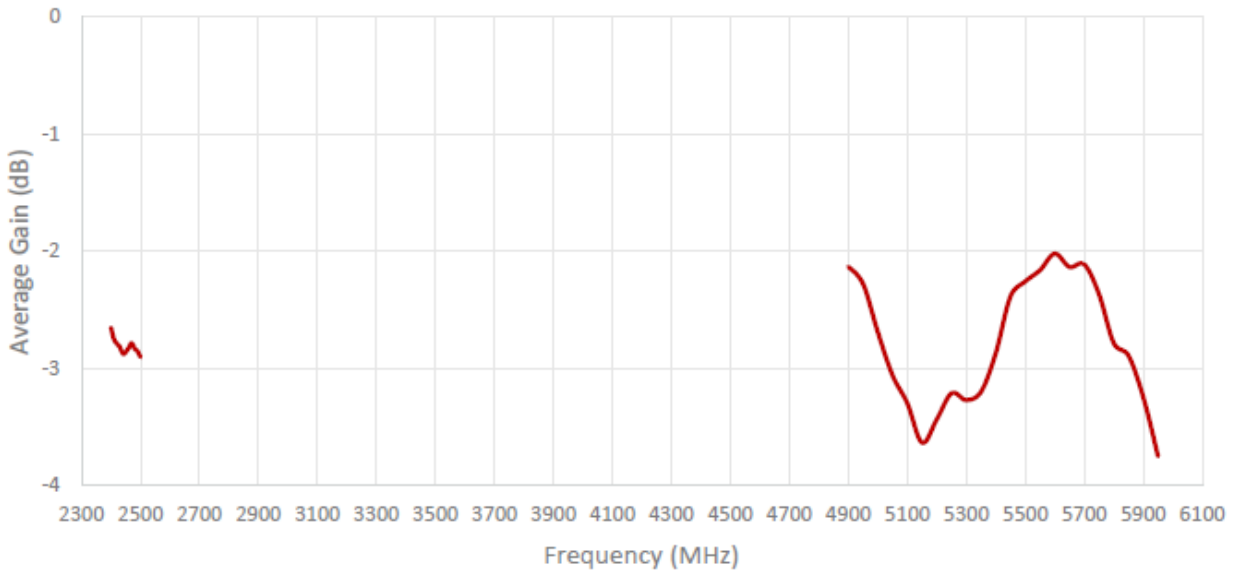
3. Antenna drawings



4. Antenna parameters

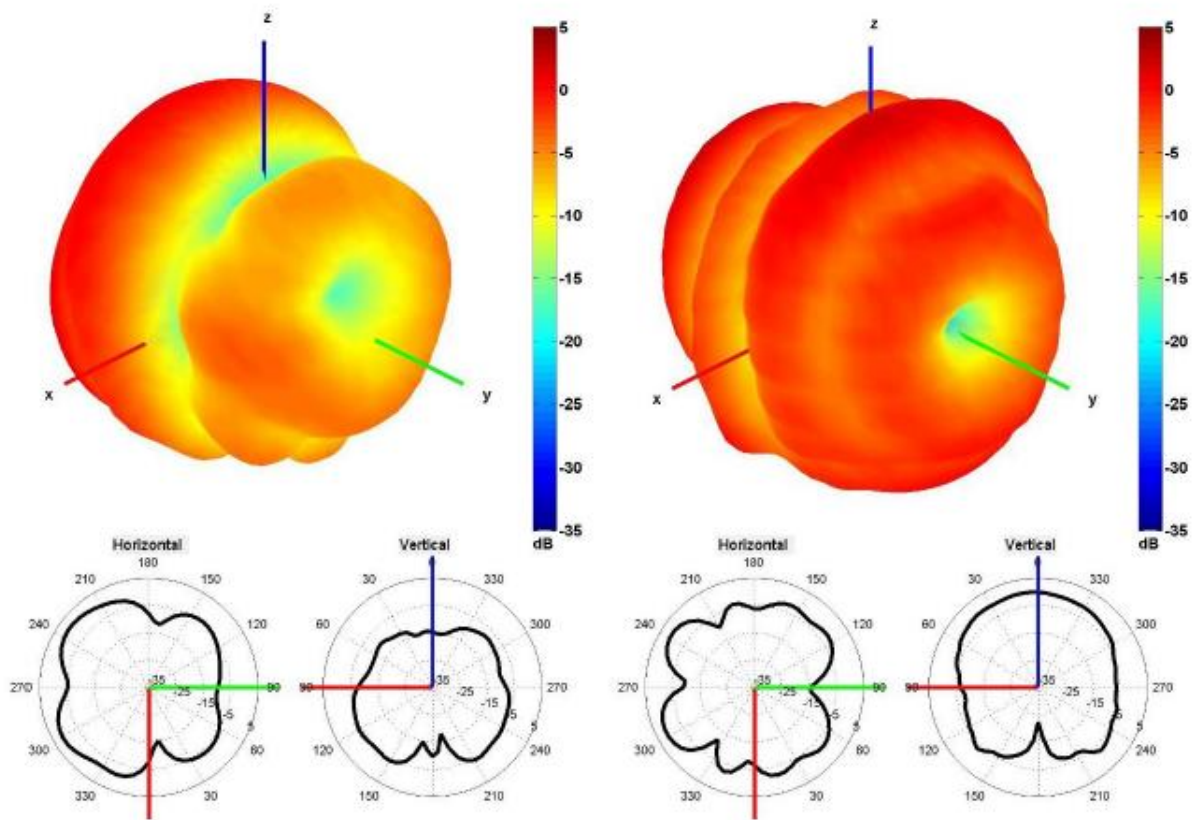






Radiation pattern reference





2450 and 5500 MHz Radiation pattern

