

2JW1002

2.4/5.0 GHZ ISM Connector Mount

Key Features

2.4/5.0 GHz ISM

- 2410-2490 MHz

- 4920-5925 MHz

Connector Mount

Low Profile

High Efficiency

Ground Plane Dependent

Dimensions Ø 10 × 71 mm



1. Antenna and electrical specifications

Parameters	2.4/5.0 GHz ISM Antenna	
Standards	WiFi, BT, ZigBee, ISM	
Band (MHz)	2.4 GHz	5.0 GHz
Frequency (MHz)	2410-2490	4920-5925
Return Loss (dB)	~-10.7	~-7.4
VSWR	~1.8:1	~2.8:1
Efficiency (%)	~59.0	~45.0
Peak Gain (dBi)	~3.0	~1.0
Average Gain (dB)	~-2.3	~-3.5
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	RP-SMA-Male Standard	

Antenna Measurement Conditions:

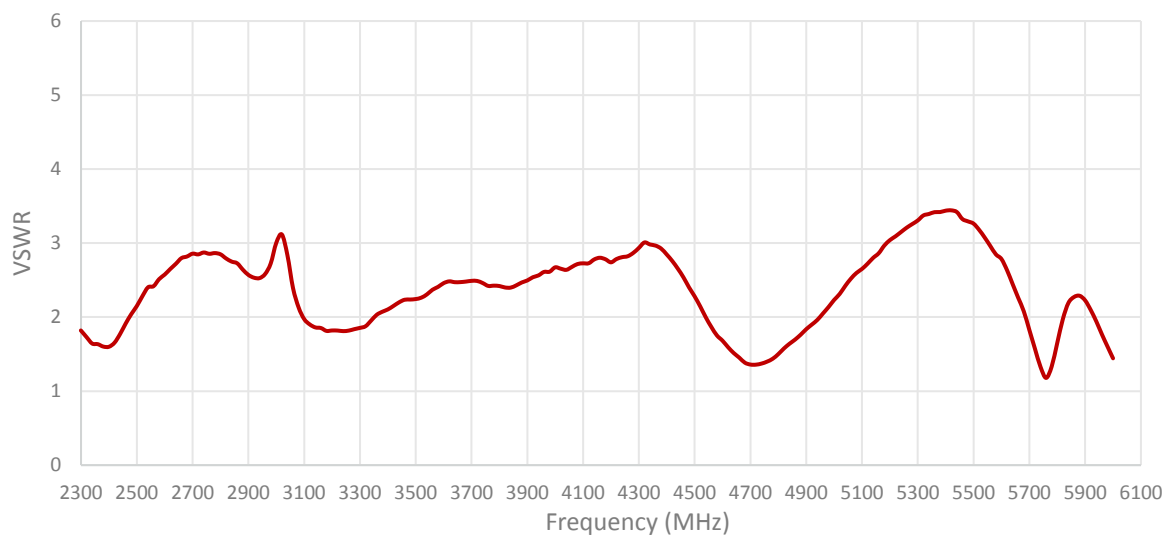
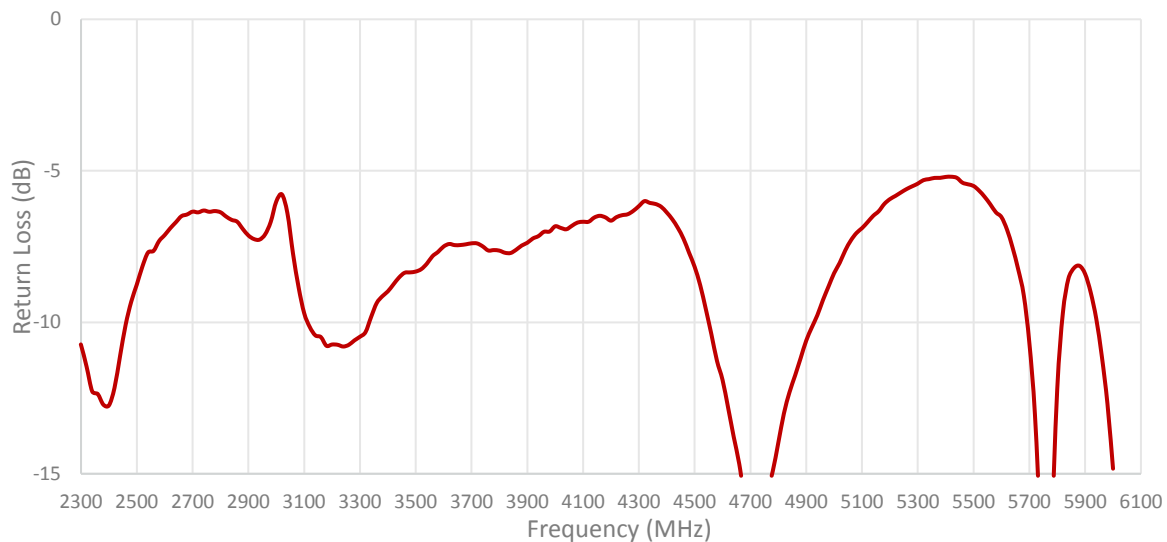
Mounted on Ground Plane of 70x35mm

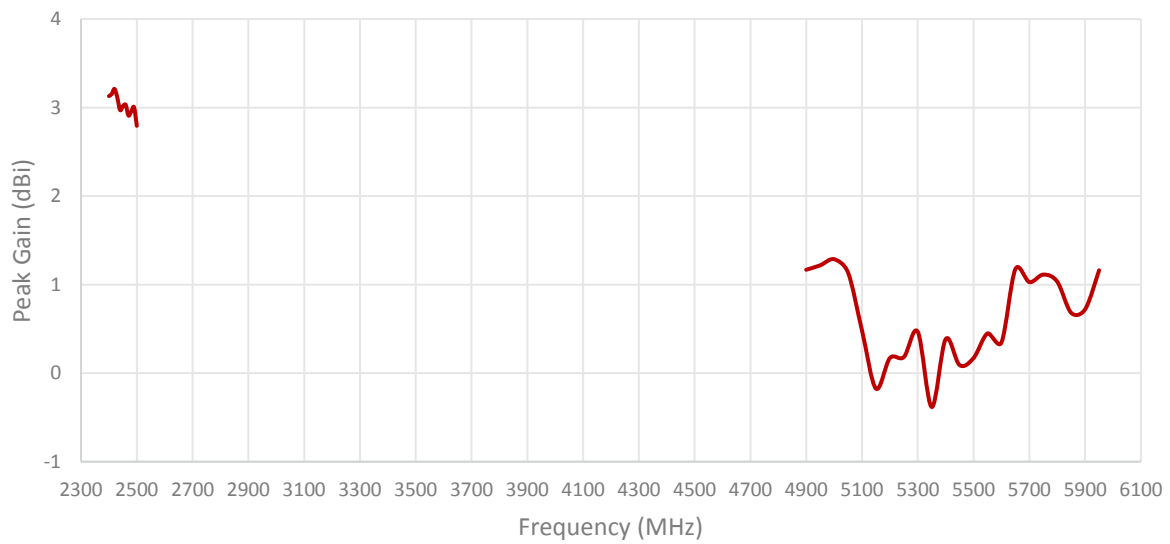
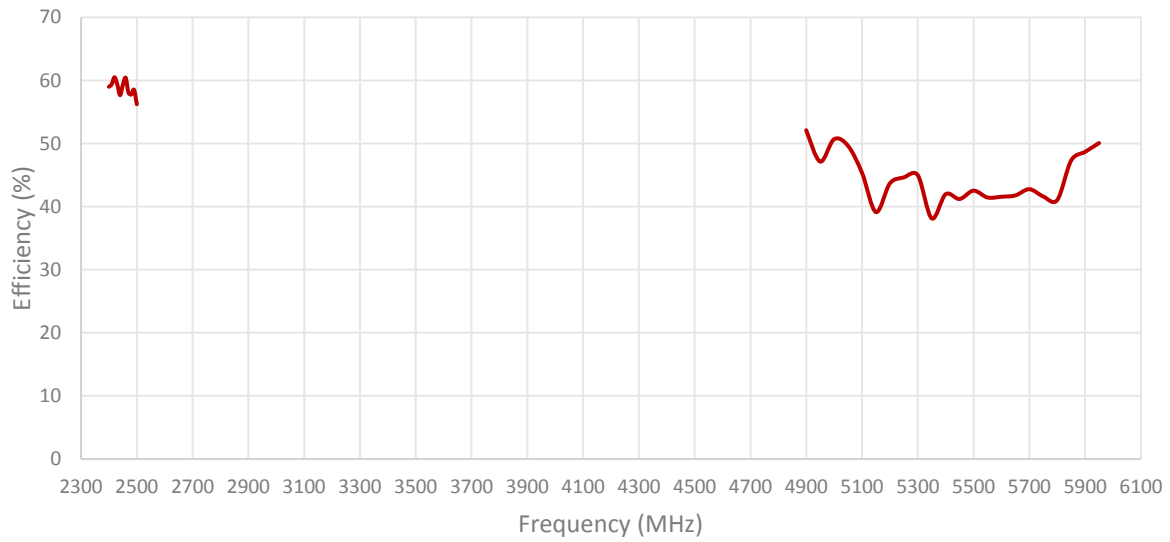
Measured in Certified CTIA 3D Anechoic Chamber

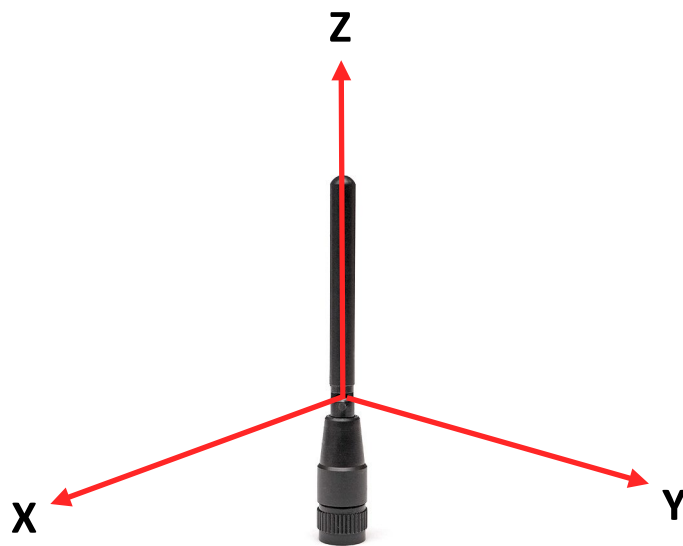
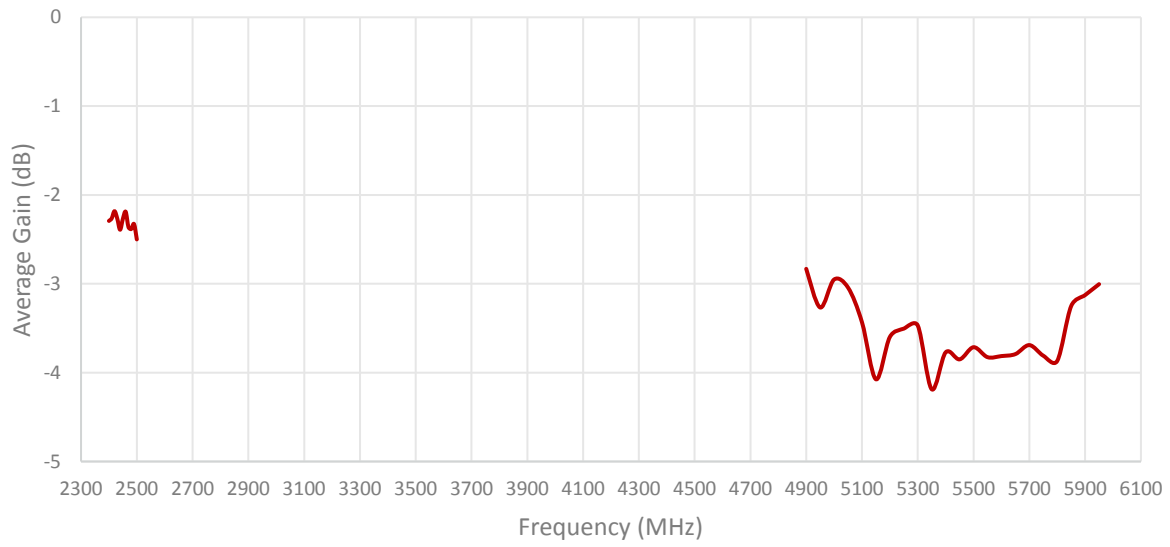
2. Mechanical and environmental specifications

Specifications	2JW1002
Mounting Type	Connector Mount
Dimensions (mm)	Ø 10 × 71
Radome Type	POM
Radome Color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

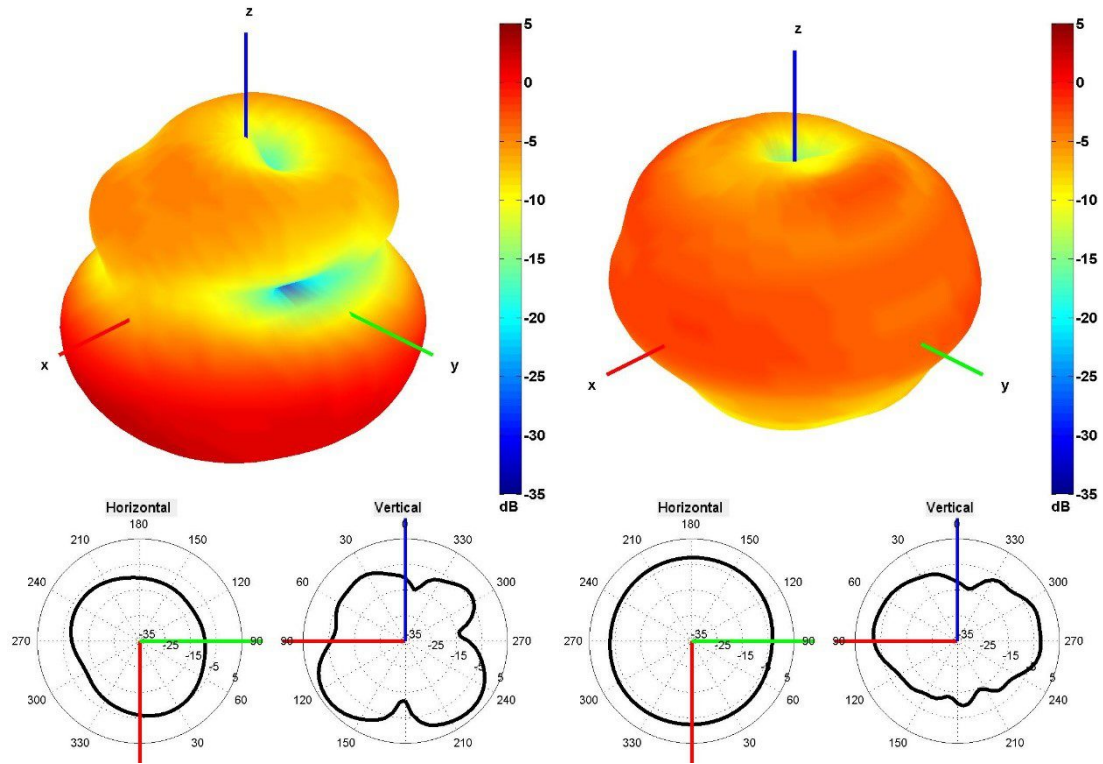
3. Antenna parameters





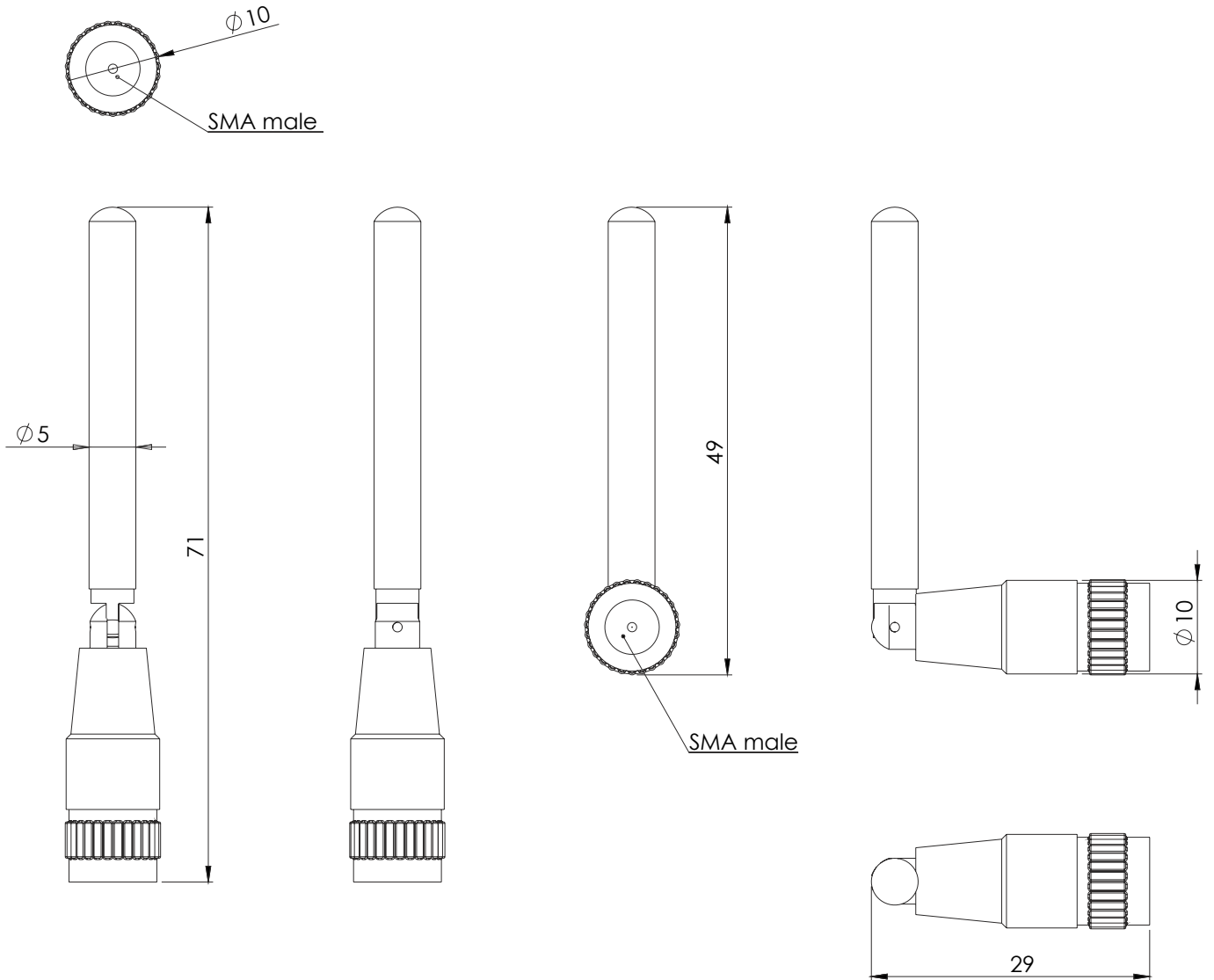


Radiation pattern reference



2450 and 5500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images



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