

2JW1302-C442B

2.4/5.0 GHz ISM Connector Mount

Key Features

2.4/5.0 GHz ISM

- 2410-2490 MHz

- 4920-5925 MHz

Connector Mount

Ground Plane Independent

Dipole Antenna

Hinged Connector

Low Profile

Dimensions 76 × Ø 10 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)	~-8.9	~-9.6
VSWR	~2.1:1	~2.8:1
Efficiency (%)	~35	~60
Peak Gain (dBi)	~1.4	~3.2
Average Gain (dB)	~-4.5	~-2.2
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	Most RF Connectors (RP-SMA-Male-RA Standard)	

Antenna Measurement Conditions:

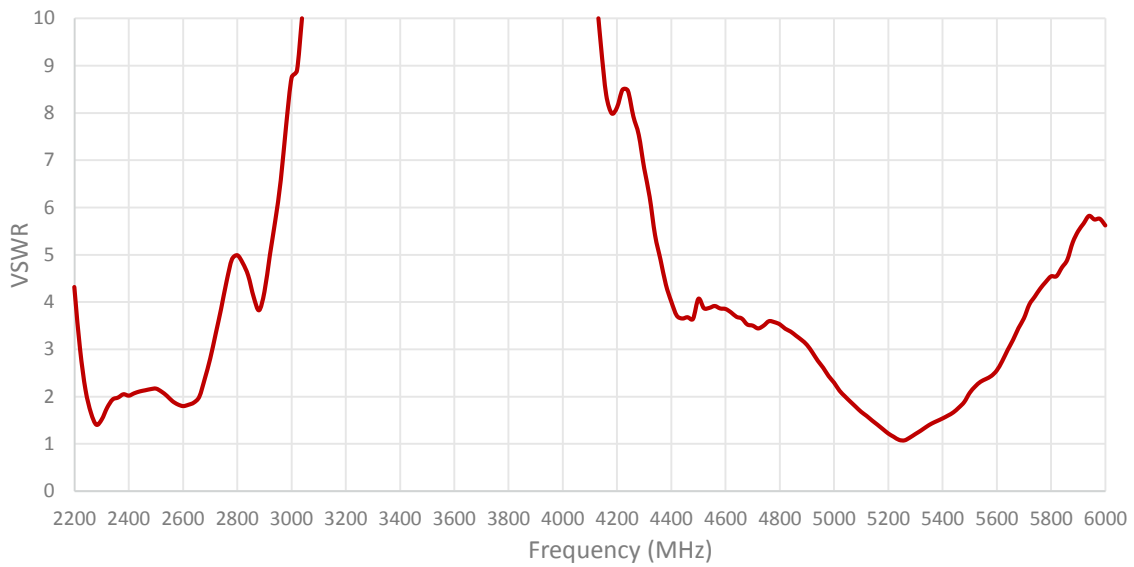
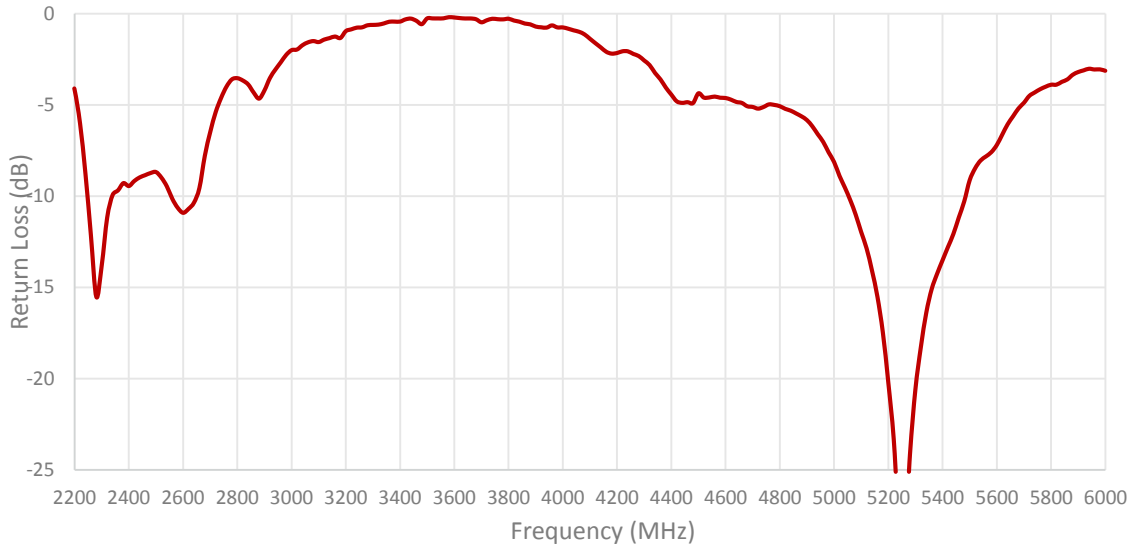
Free Space

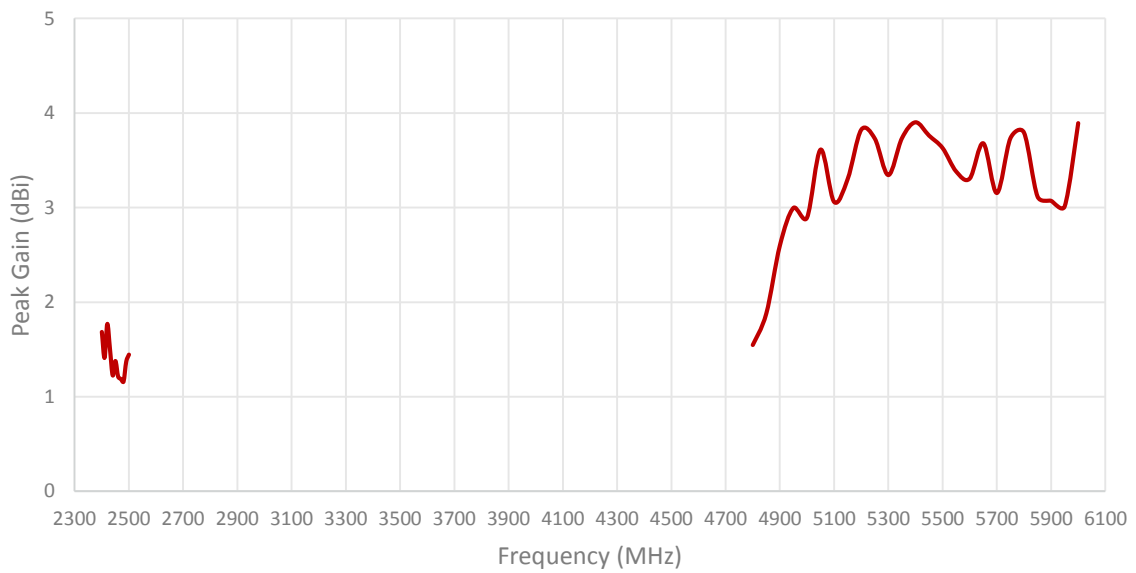
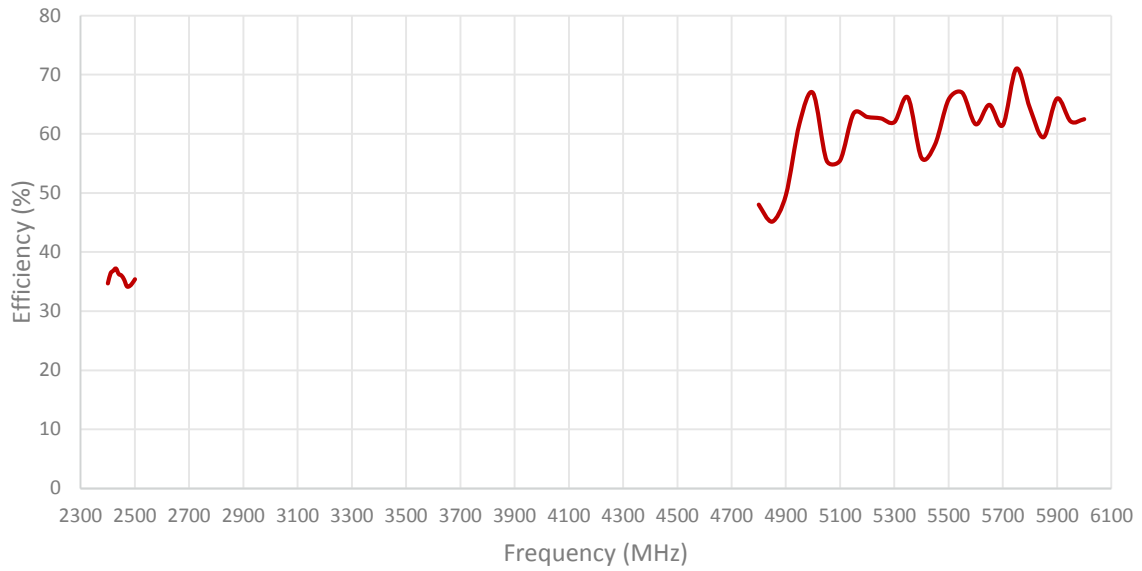
Measured in Certified CTIA 3D Anechoic Chamber

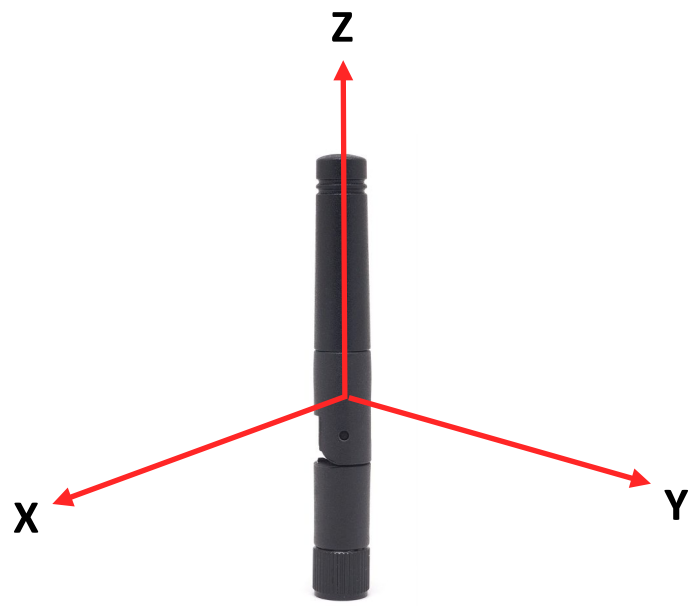
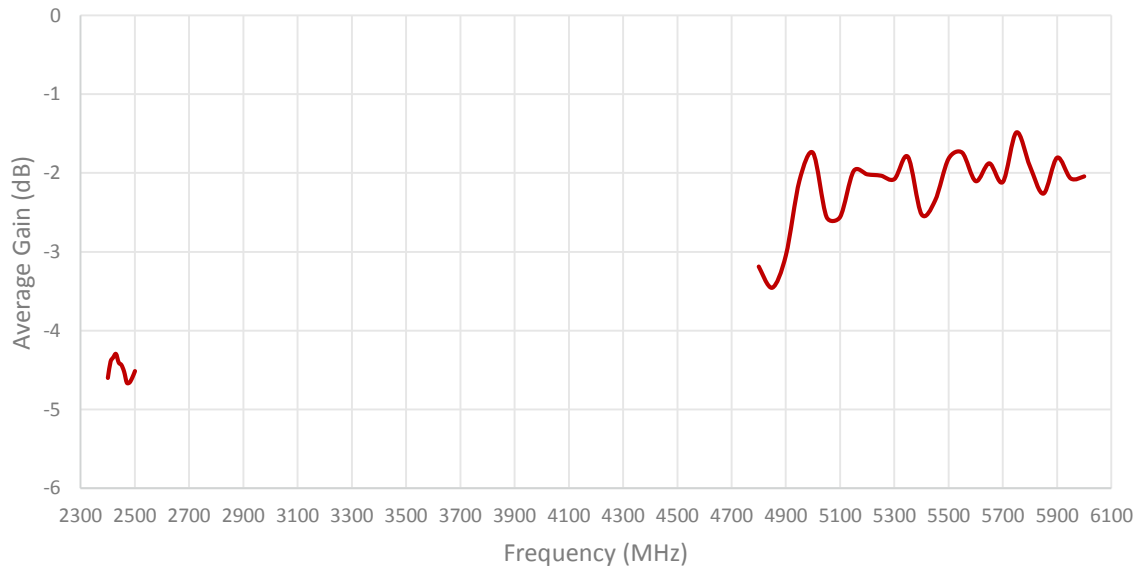
2. Mechanical and environmental specifications

Specifications	2JW1302-C442B
Mounting Type	Connector Mount
Dimensions (mm)	76 x Ø 10
Radome	ABS, POM
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

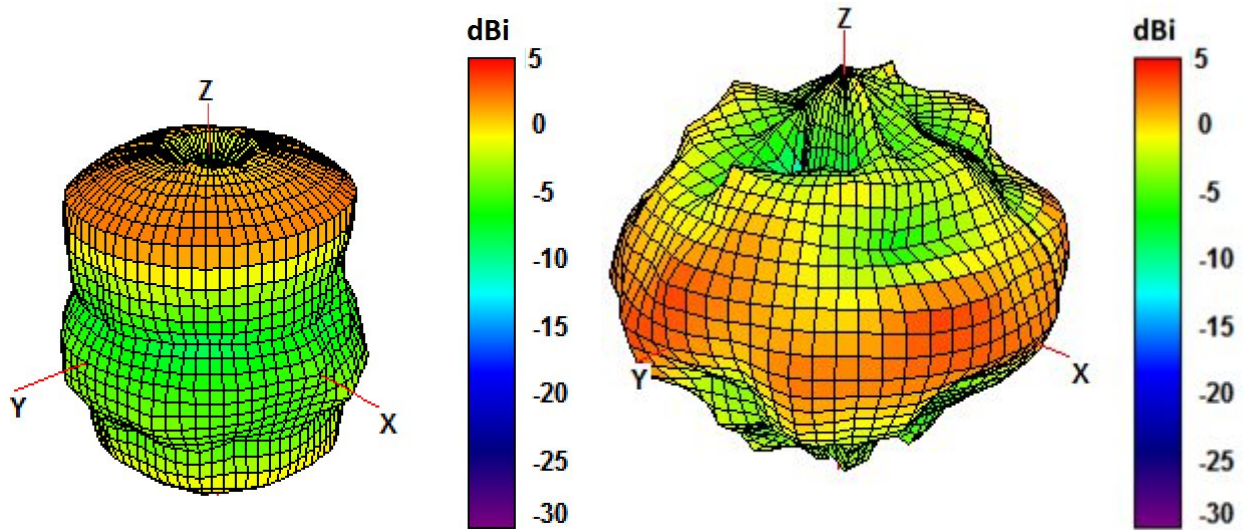
3. Antenna parameters





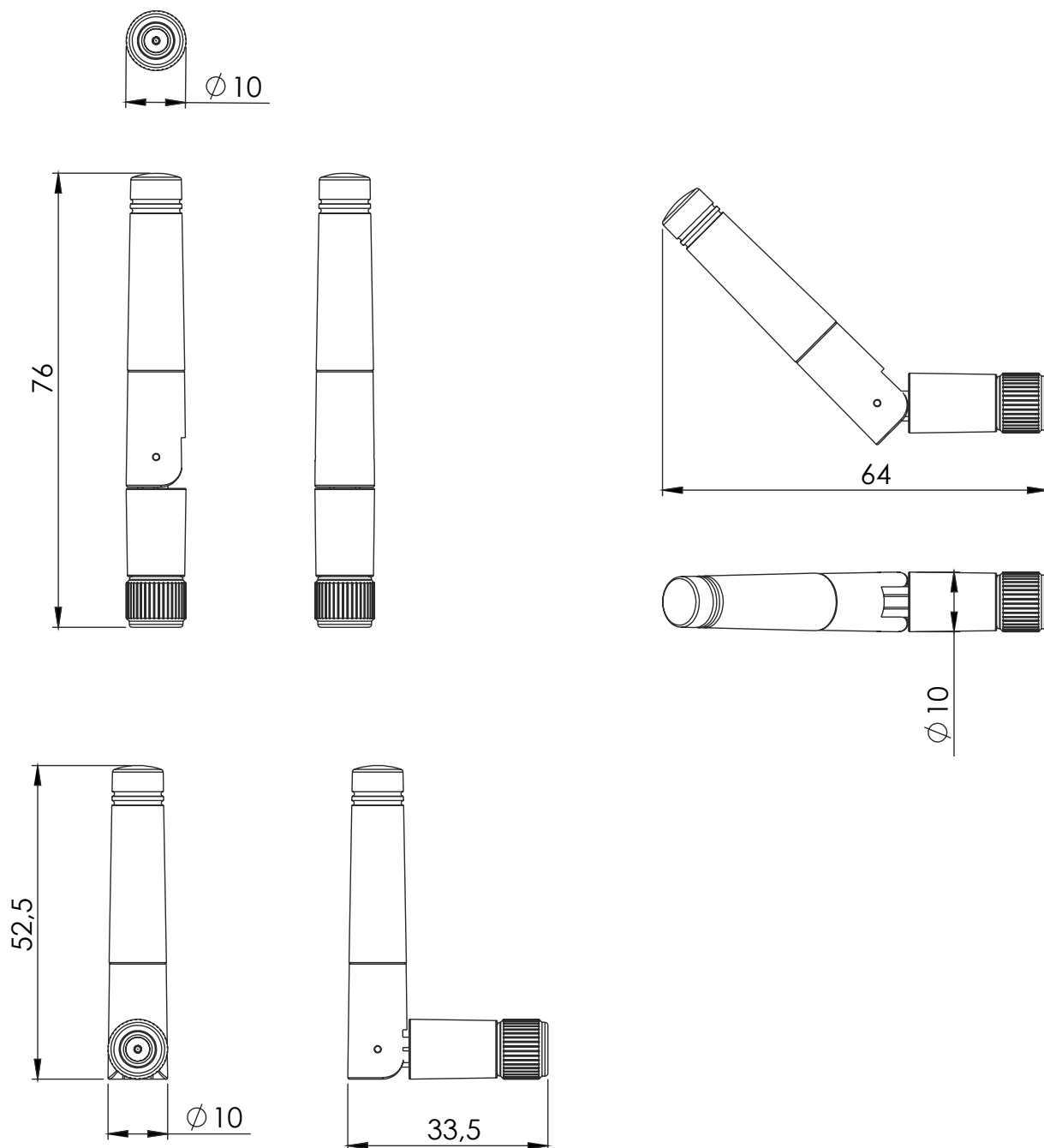


Radiation pattern reference



2450 and 5500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

