

## 2JWIFI12

### 2.4/5.0 GHz ISM Mast Mount

#### Key Features

##### 2.4/5.0 GHz ISM

- 2410-2490 MHz
- 4920-5925 MHz

##### Mast Mount

High Gain 7.6 dBi (2.4 GHz)/7 dBi (5.0GHz)

Directional Antenna

Customizable Cable and Connector

Dimensions 104 x 104 x 90 mm



## 1. Antenna and electrical specifications

Parameters	2.4/5.0 GHz ISM Antenna	
<b>Standards</b>	WiFi, BT, ZigBee, ISM	
<b>Band (MHz)</b>	2.4 GHz	5.0 GHz
<b>Frequency (MHz)</b>	2410-2490	4920-5925
<b>Return Loss (dB)</b>	~-12.7	~-10.8
<b>VSWR</b>	~1.6:1	~1.8:1
<b>Efficiency (%)</b>	~60	~63
<b>Peak Gain (dBi)</b>	~7.2	~5.2
<b>Average Gain (dB)</b>	~-2.2	~-2.0
<b>Impedance (Ohm)</b>	50	
<b>Polarisation</b>	Linear	
<b>Radiation Pattern</b>	Directional	
<b>Max. Input Power (W)</b>	25	
<b>Connector Type</b>	Most RF Connectors (N-Male Standard)	
<b>Cable Length</b>	Any Cable Length (300cm Standard)	
<b>Cable Type</b>	Other Cables Available (LM195 Standard)	

### Antenna Measurement Conditions:

Free Space

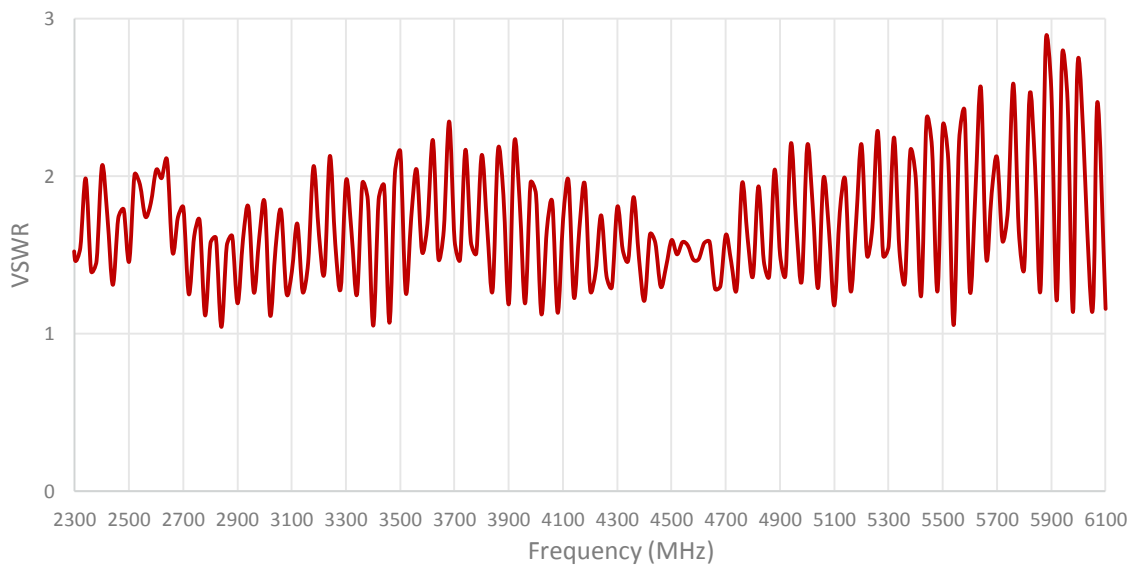
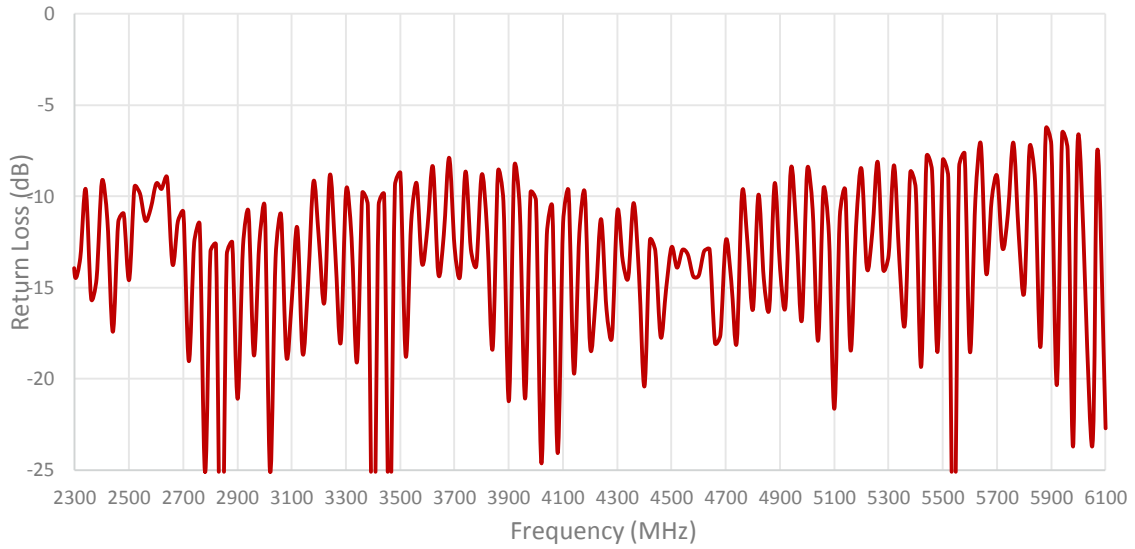
200 cm LMR195 Cable

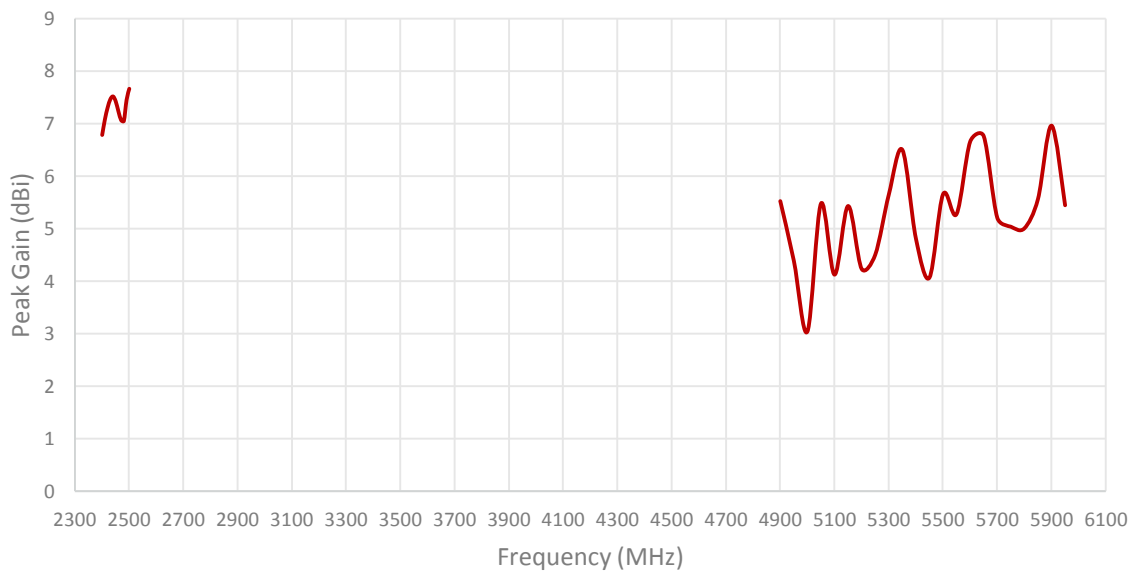
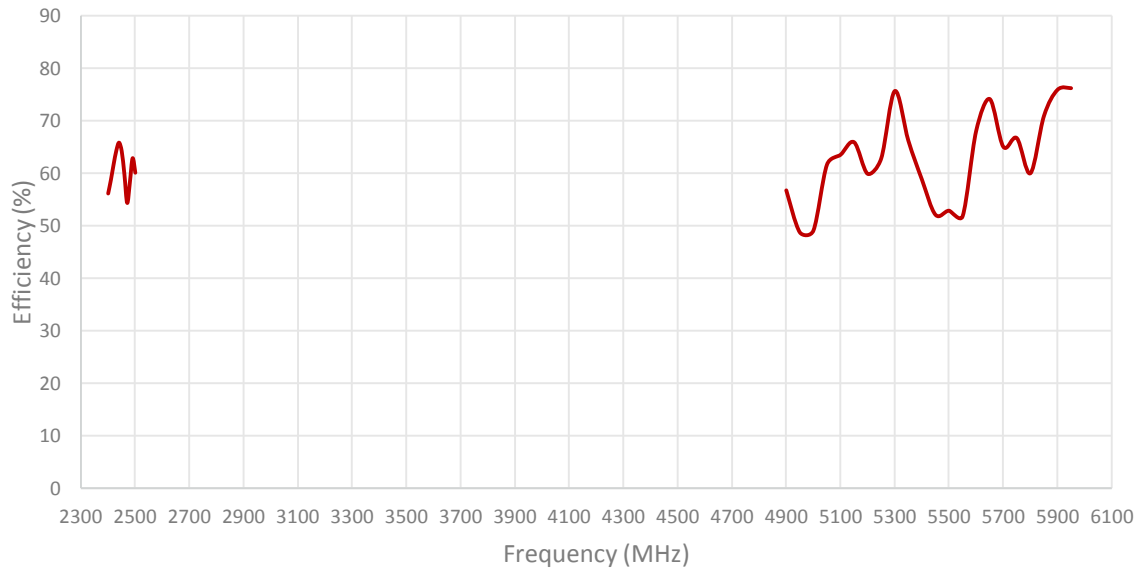
Measured in Certified CTIA 3D Anechoic Chamber

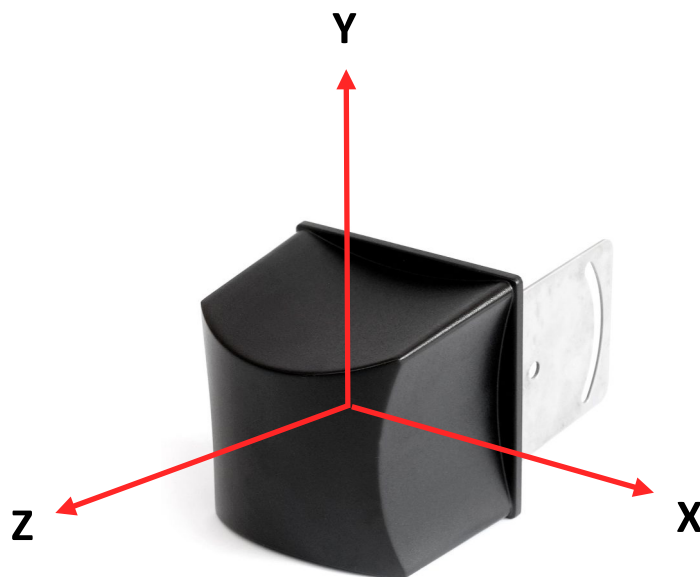
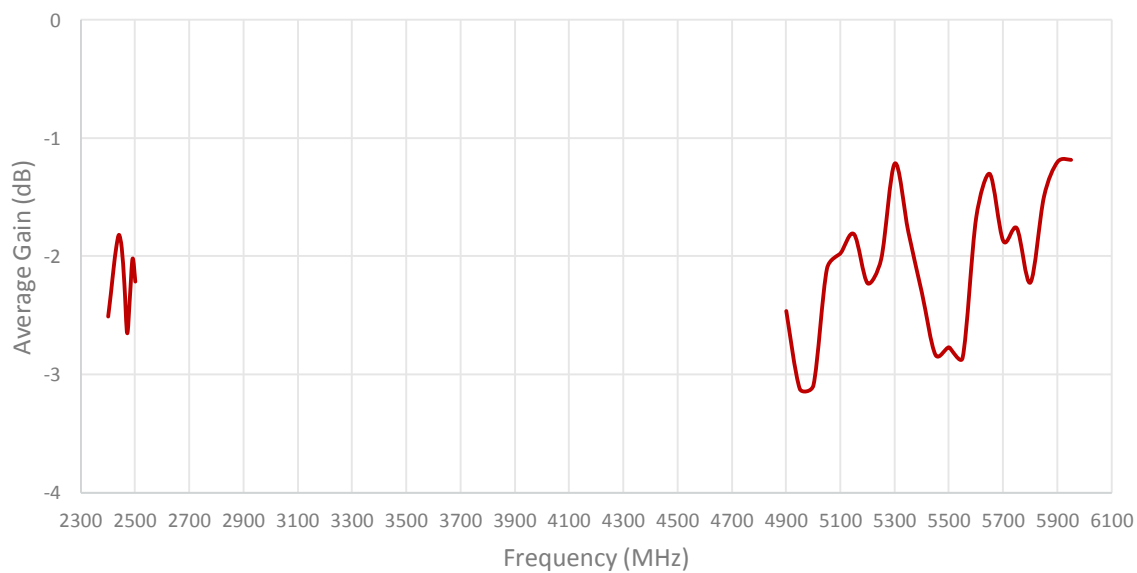
## 2. Mechanical and environmental specifications

Specifications	2JWIF12
<b>Mounting Type</b>	Mast Mount
<b>Dimensions (mm)</b>	104 x 104 x 90
<b>Radome</b>	PC/ABS UV Stable
<b>Radome color</b>	Black or White
<b>Bracket</b>	Stainless Steel
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

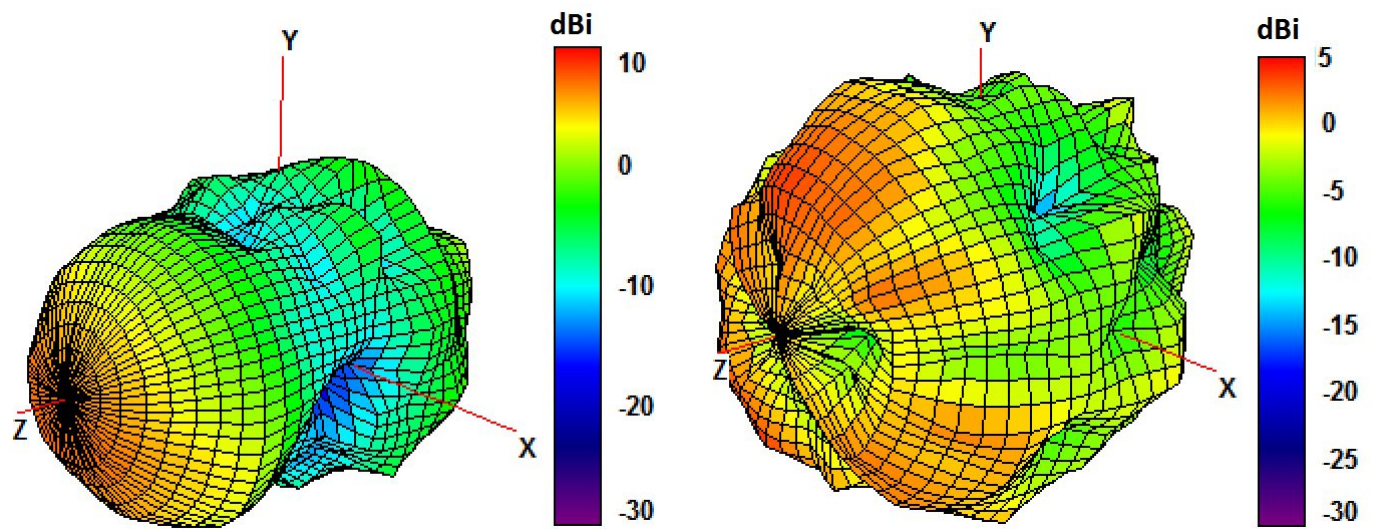
### 3. Antenna parameters





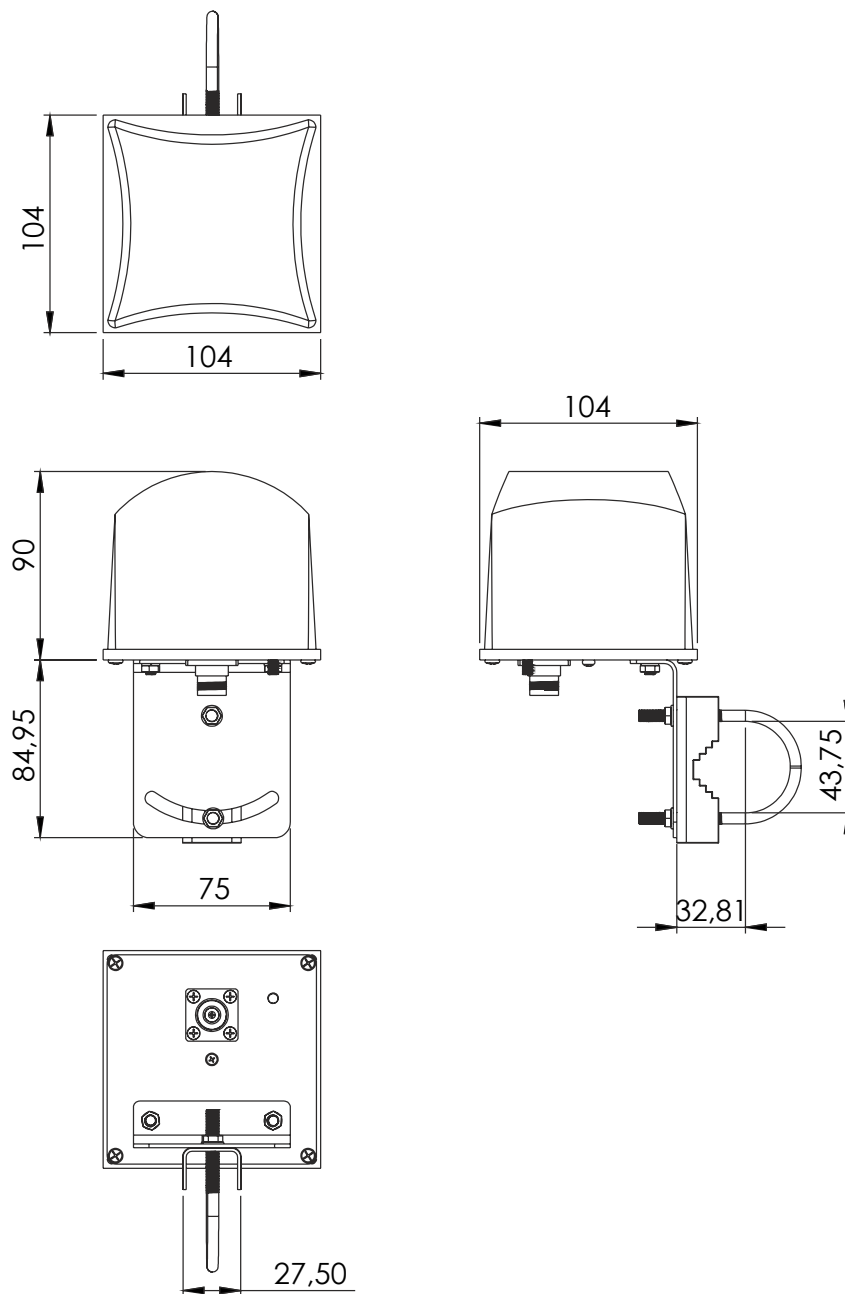


Radiation pattern reference



2450 and 5500 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

