

# PL-0A0 2SMA-5.0

5.0GHz ISM Connector Mount

## Key Features

5.0GHz ISM  
- 4920-5925 MHz  
Connector Mount  
High Gain  
High Efficiency  
Ground Plane Dependent  
Dimensions 44x 9mm



## 1 .Antenna and electrical specifications

Parameters	5.0 GHz AS Antenna
Standards	WiFi, ISM
Band (MHz)	5.0 GHz
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 (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connect type	RP-SMA-Male Standard

Antenna Measurement Conditions:

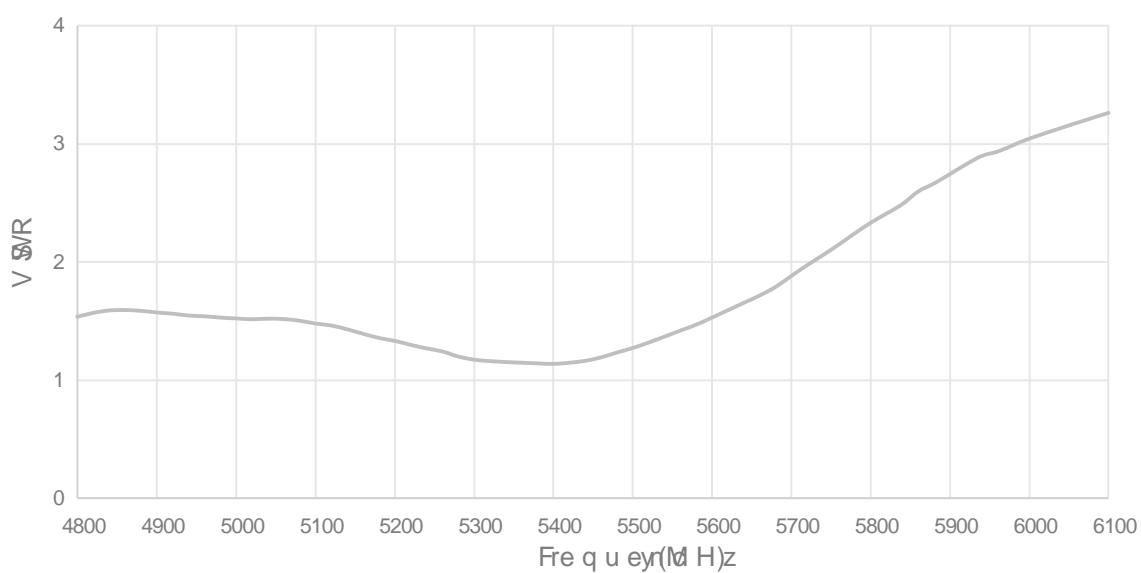
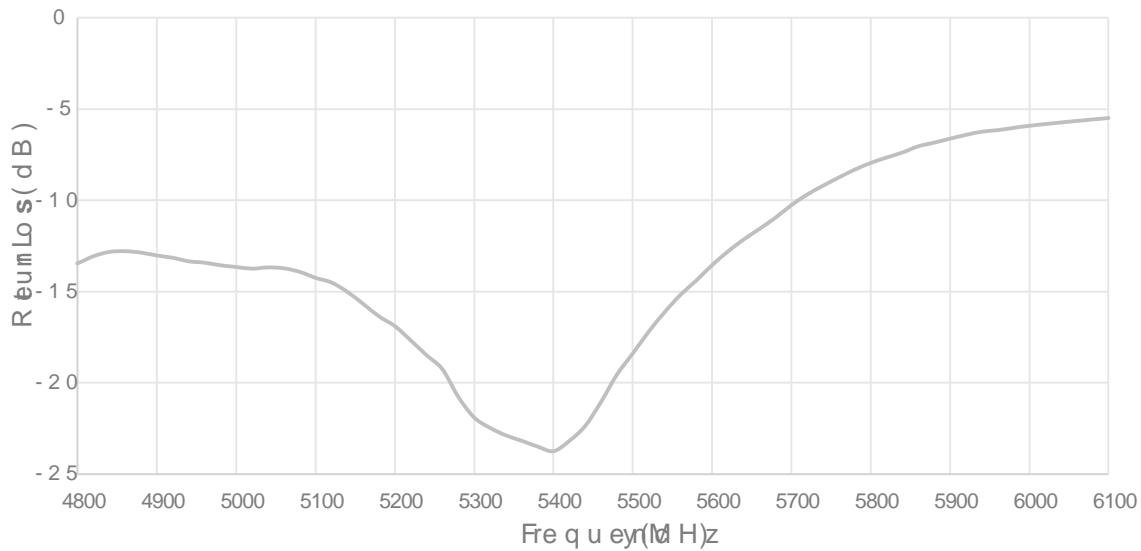
Mounted on Ground Plane of 70x35 mm.

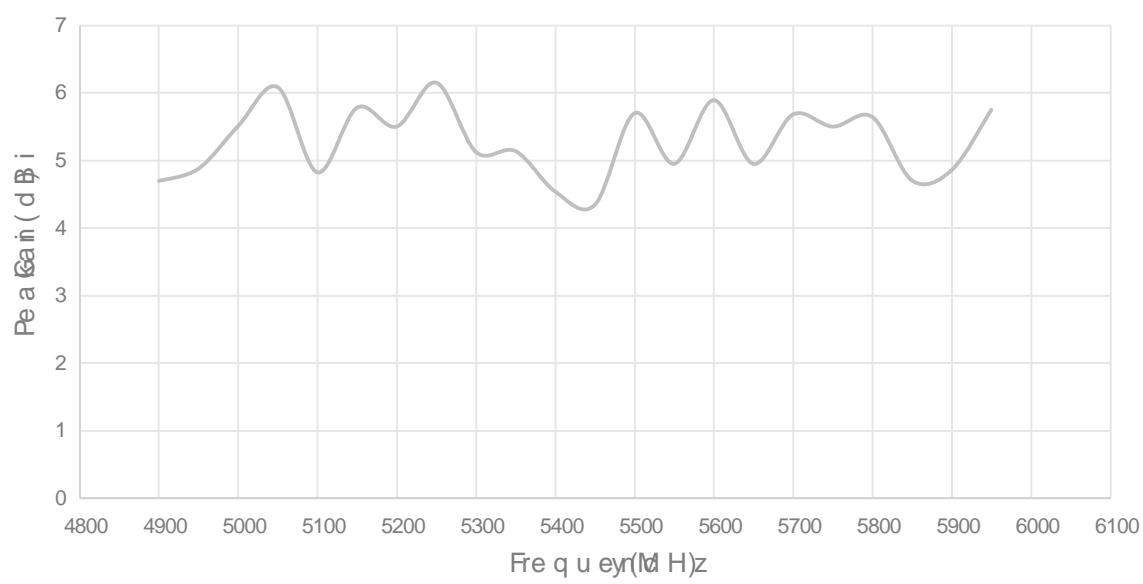
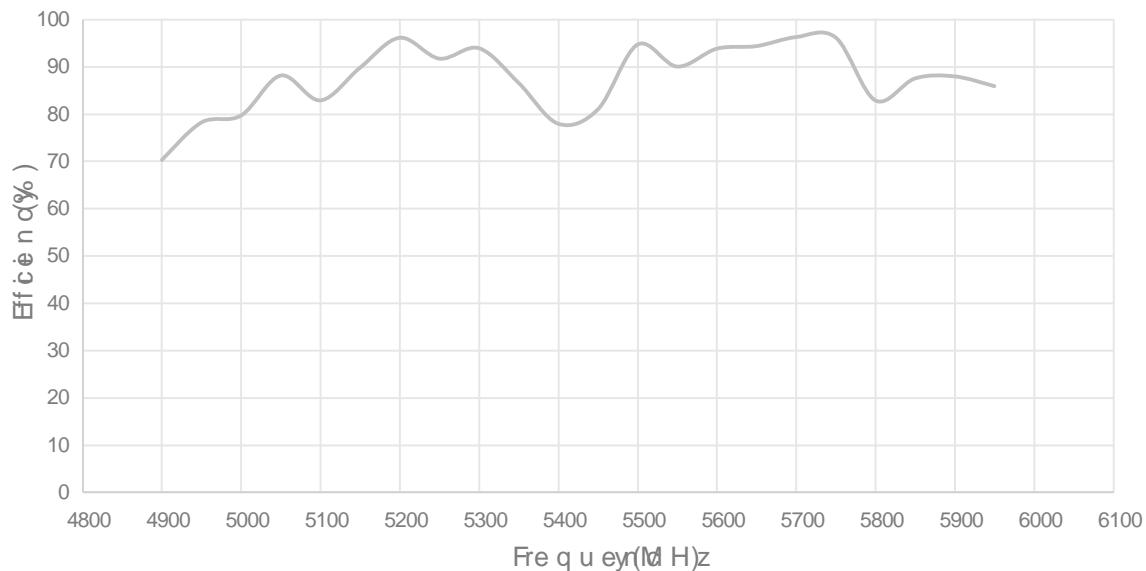
Measured in Certification Anechoic Chamber

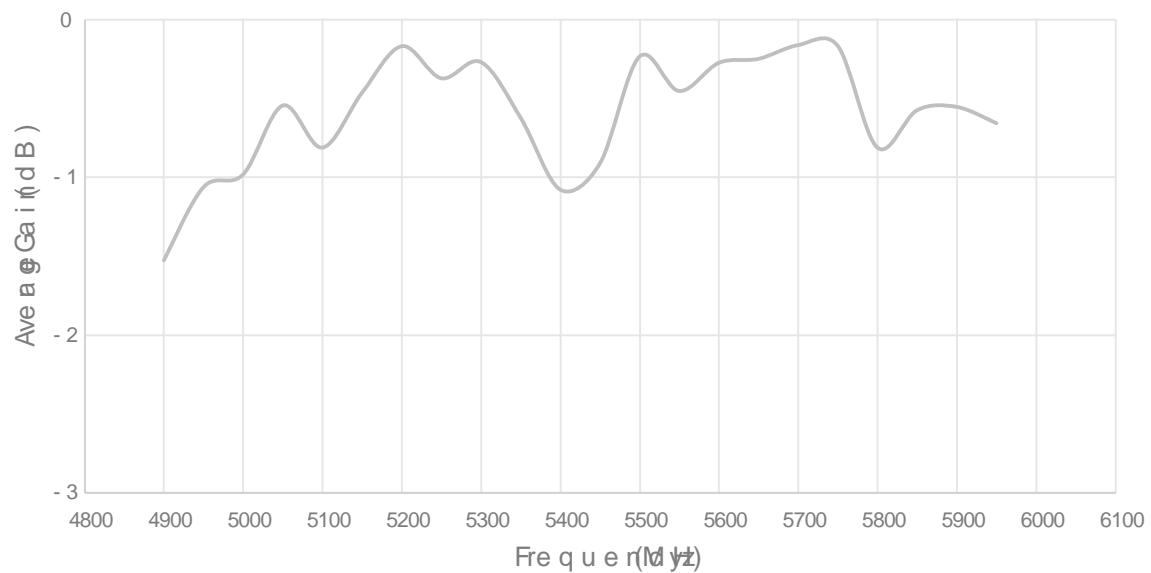
## 2 . Mechanical and environmental

Specifications	PL-0A02SMA-5.0
Mounting type	Connector Mount
Dimensions (mm)	44 x Ø.
Radome	ABS UV Stable
Radome color	Black
Operating temperature (C)	-40 to +85
Storage temperature (C)	-40 to +85
Substance Compliance	RoHS

### 3 .Antenna parameters







**Z**

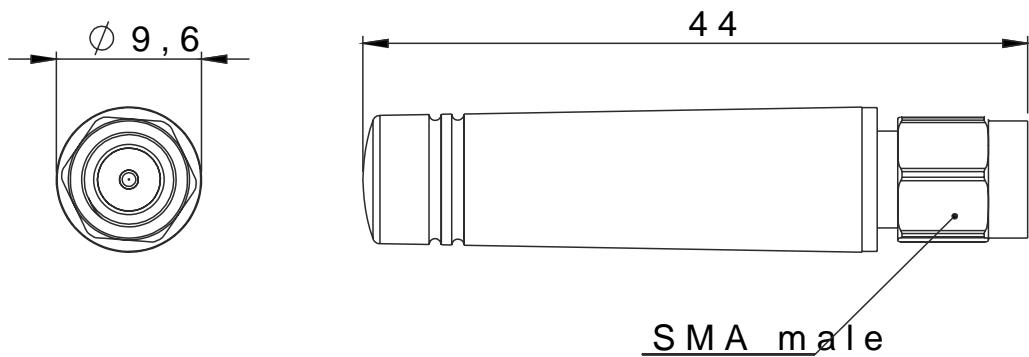
**X**

**Y**

Radiation pattern reference

5500 Hz Ration pattern

#### 4 .Antenna drawings



## 5 .Antenna Images