



# MEA-5900-SMA

## 2.4/5.0 GHz ISM Dual Band Dipole Antenna

Part #: 100-00304-01

### Description

The MEA-5900-SMA connector mount Antenna is a low-profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-5900-SMA covers ISM standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications.

The MEA-5900-SMA is easy to install with maximum durability offering ABC housing and anti-rotation mounting. The high performance and low profile make this antenna ideal for the most challenging installations.



### Electrical Specification

Parameter	Specifications	
Standards	WiFi, BT, ZigBee, ISM	
Band (MHz)	2.4Ghz	5.0 Ghz
Frequency Range	2410-2490 Mhz	4920-5925 Mhz
Return Loss (dB)	~-8.9	~-9.6
VSWR	~2.2:1	~2.8:1
Efficiency %	~35	~60
Peak Gain (dBi)	~1.4	~3.2
Average Gain (dBi)	~-4.5	~-2.2
Impedance (Ohm)	50	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max Input Power	25	
Connector Type	Most RF Connectors (RP-SMA-Male Standard)	

### Features

- 2.4/5.0 GHz ISM - 2410-2490 MHz - 4920-5925 MHz
- Easy mounting: Connector Mount
- Ground Plane Independent
- Dipole Antenna
- Hinged Connector
- Low Profile
- Dimensions 76 × Ø 10 mm

### Mechanical Specifications

Parameter	Specifications
Antenna Dimensions (mm)	76 × Ø 10
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Mounting Type	Connector Mount
Radome/Color	ASA, POM/ Black
Substance Compliance	RoHS
Max. Tighten Torque (Nm)	6 Nm

\*Antenna Measurement Conditions: Free Space

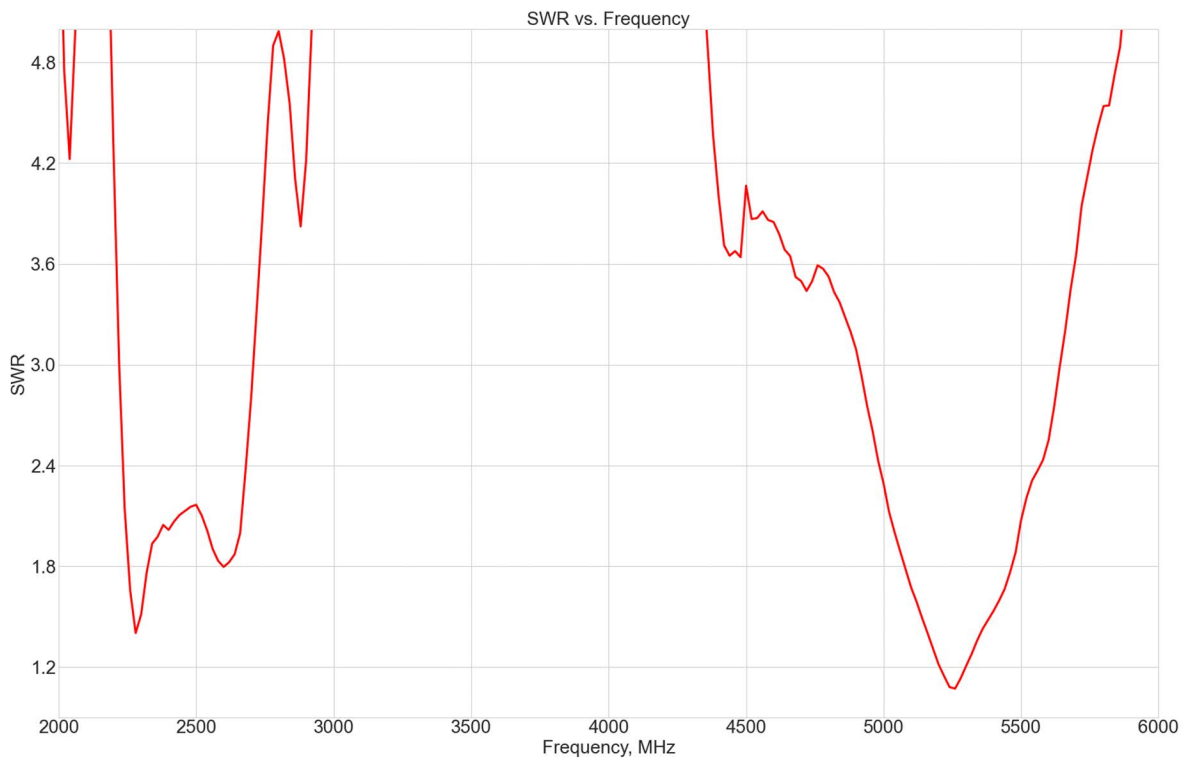
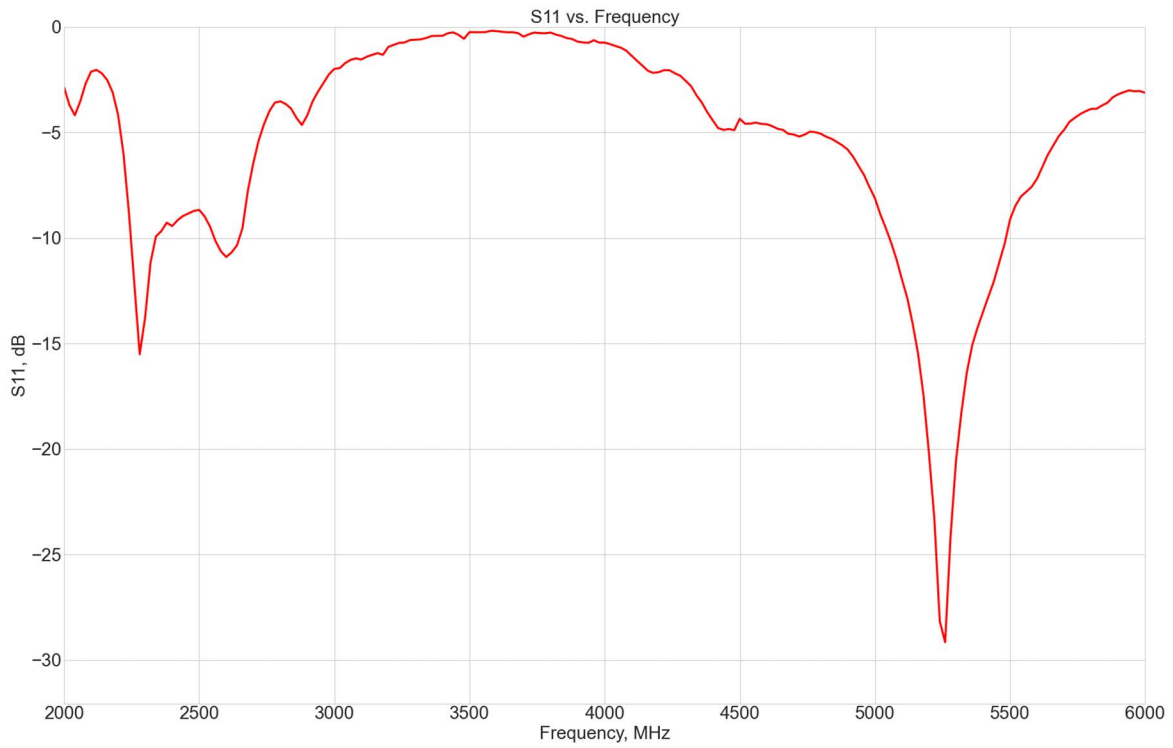
### Applications

- WIFI applications
- Navigation and telematics systems
- IoT applications
- Automotive connectivity
- Multimedia
- Fleet management
- HD video and audio streaming



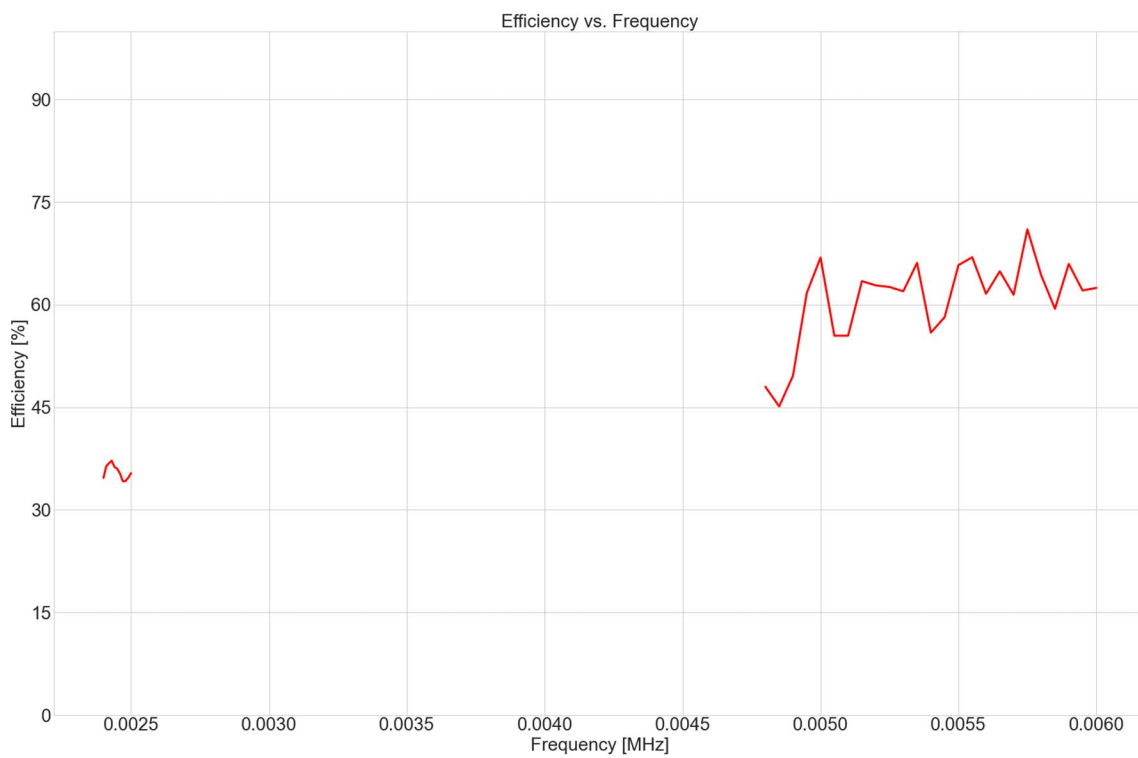
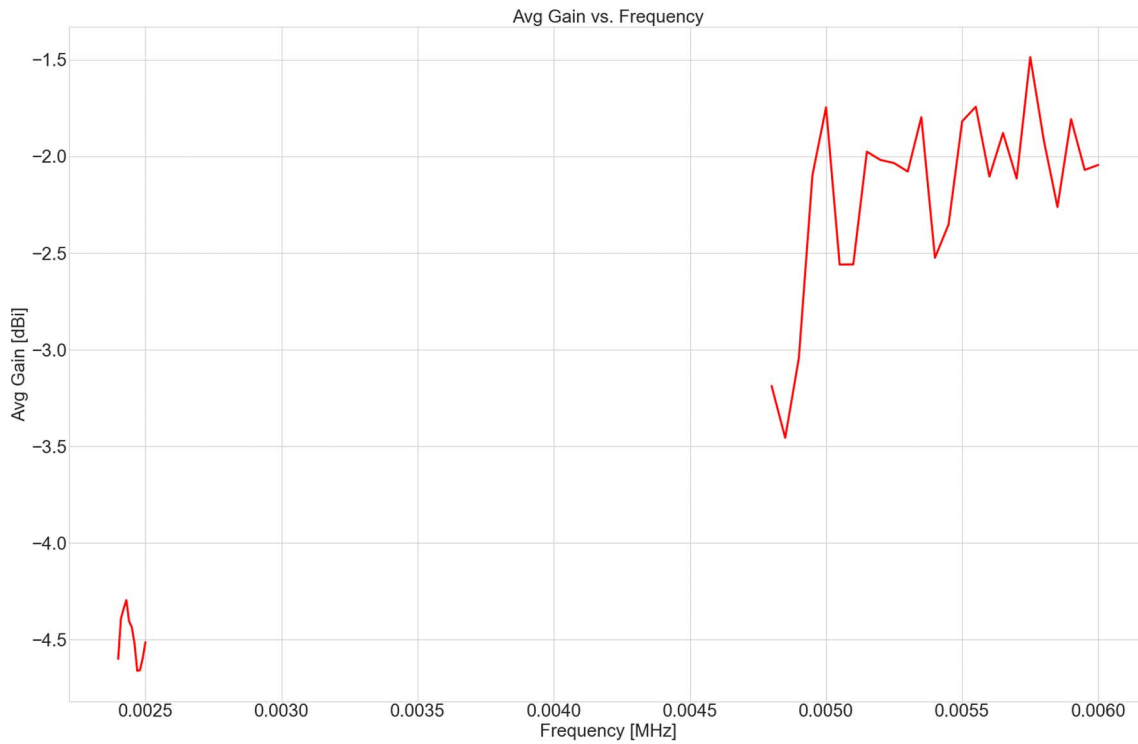
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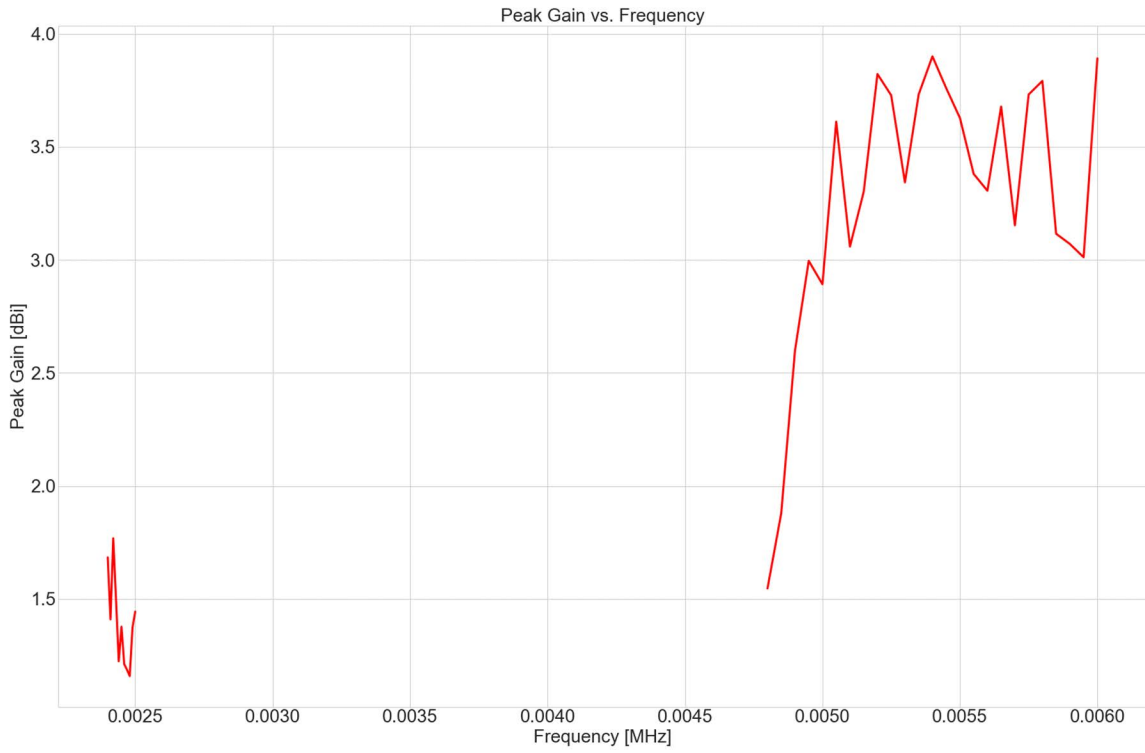


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