

## 2.4 GHz – Wi-Fi/BT/BLE Board Antenna



**PRO-IS-587**

Request Samples



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22.0 x 11.27 x 0.8mm  
**RoHS/RoHS II Compliant**  
MSL Level = 1

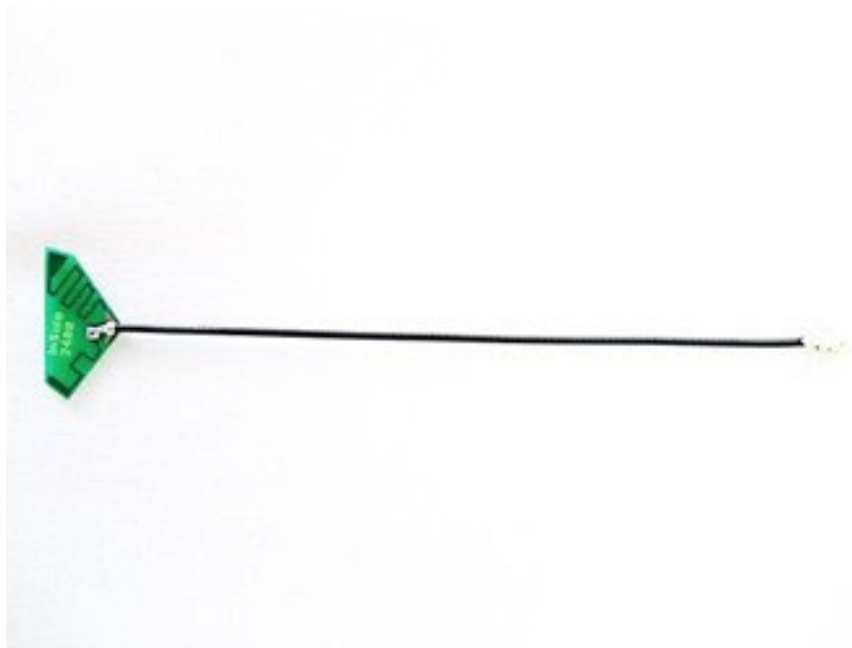
### Features

- Compact 2.4GHz triangular antenna
- Thickness of 0.8 mm
- Linear Polarization
- High Gain of 3dBi
- Easy integration using cable and connector
- Customizable cable and Connector options

### Applications

- WiFi/BT/BLE/ZigBee/ISM
- IoT/ M2M
- Automation/ Smart Home
- Healthcare Devices
- Hand-free/ PC Peripherals
- Video and surveillance

### Product Image



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### Electrical Specification

Parameter	Specification			Unit
	Min	Typ	Max	
Operating Frequency	2400		2500	MHz
Return Loss			-4.5	dB
Polarization	Linear			
Peak Gain			3	dBi
Efficiency			34	%
Impedance		50		$\Omega$

### Mechanical Specification

Parameter	Specification
Antenna Dimension	22 x 11.27 x 0.8 mm
Cable Type	Coaxial
Cable length	100 mm
Connector Type	MHF-4 (F)
Mounting Type	Adhesive Tape

### Environmental Specification

Parameter	Specification
Operating Temperature	-40°C to +85°C
MSL Level	1
RoHS/RoHS II Compliant	Yes (Compliant with EU directive 2011/65/EU and 2015/863)

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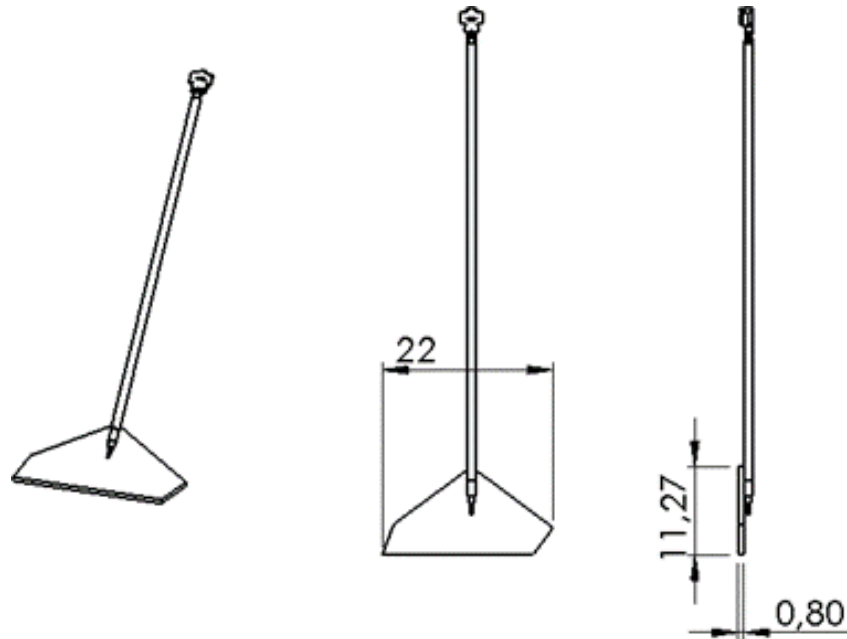


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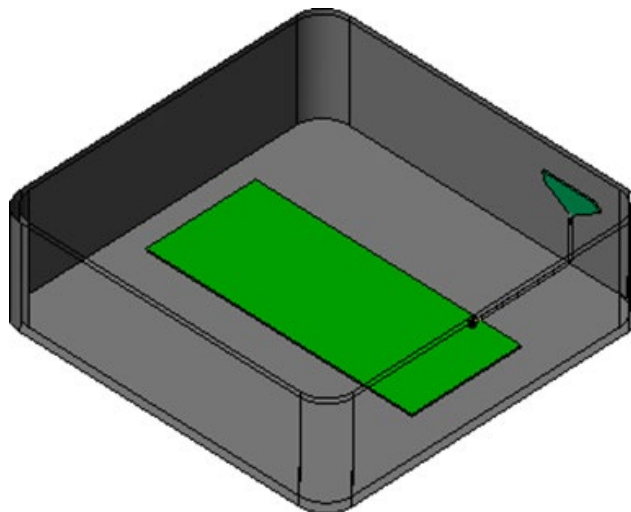
### Product Dimensions



Unit: mm

### Measurement Setup

The antenna measurements were done on a standard measurement fixture - the antenna mounted in an ABS plastic box, 150x150x45 mm, connected to a PCB, 120x50 mm, with the cable fully extended



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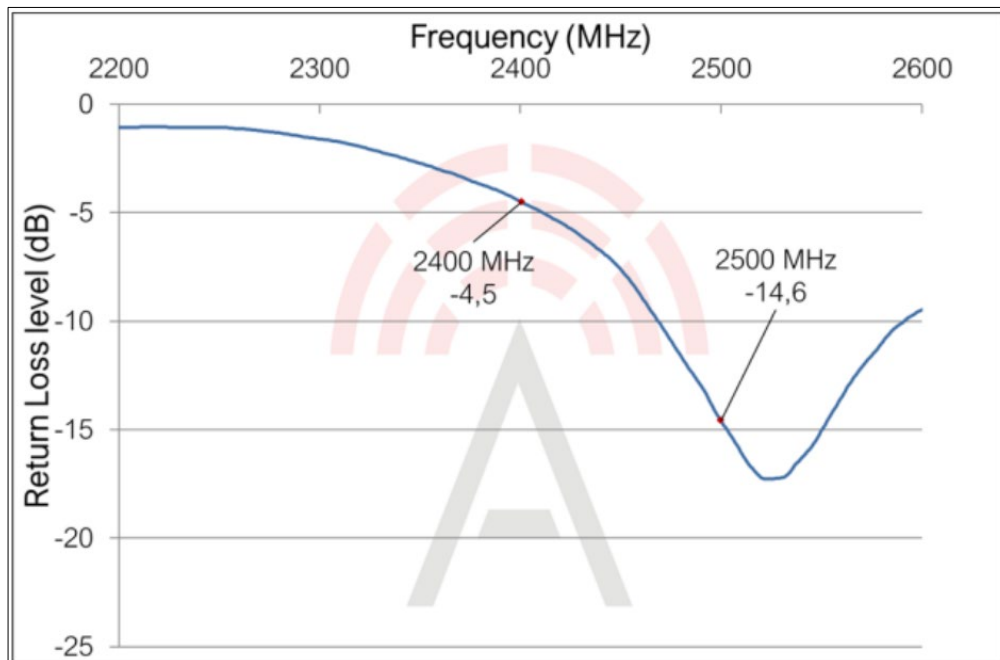


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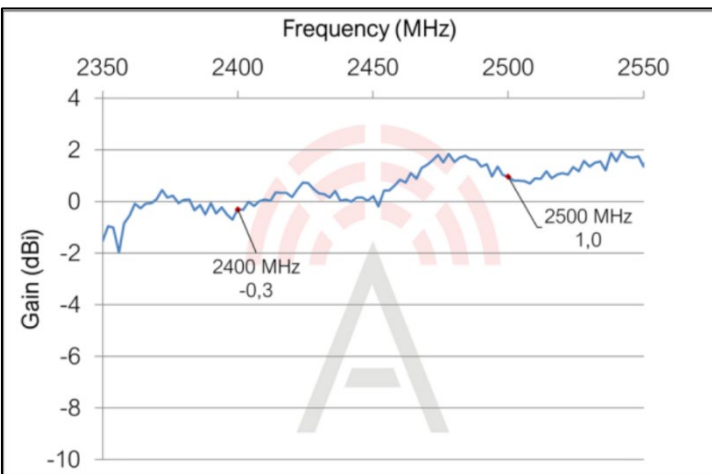
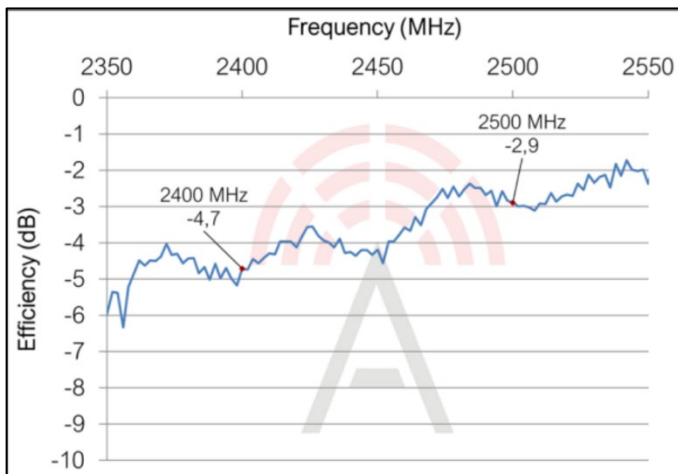
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### Return Loss



### Total Radiation Efficiency

### Maximum Radiation Gain



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**REVISED: 11-22-21**

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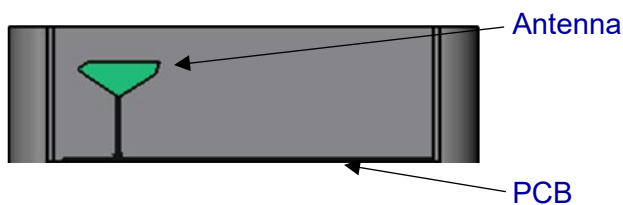
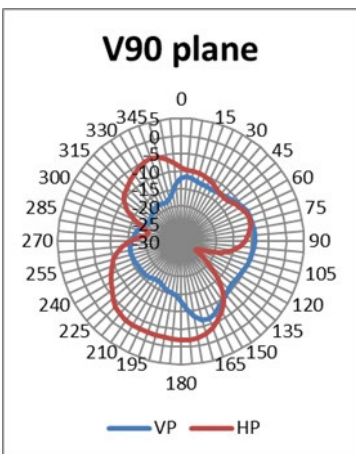
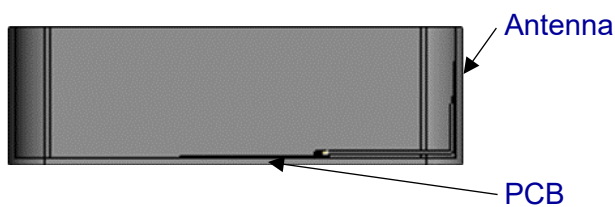
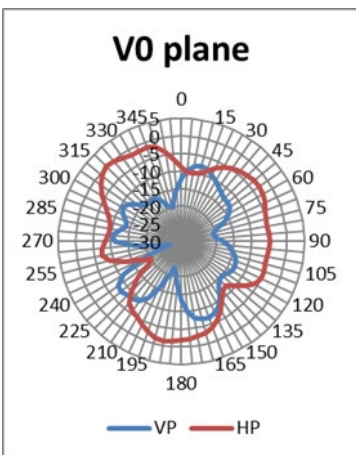
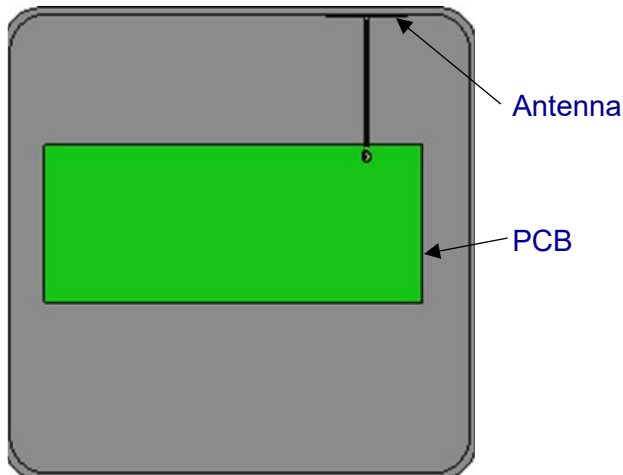
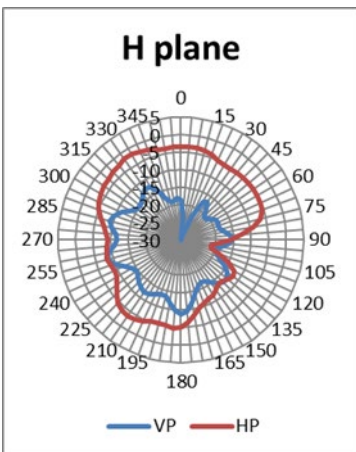


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### Radiation Characteristics - 2D Pattern (2.45 GHz)



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### Packaging Information

Pieces per bag: 100 pieces

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