

2.4GHz : Wi-Fi/BT External Antenna



PRO-EX-333

Request Samples



Check Inventory



Ø10 x 82.1 mm

RoHS/RoHS II Compliant

MSL Level = 1

Features

- High Reliability/ Sensitivity
- Compact Size
- Easy to install
- ROHS Compliant

Applications

- WiFi/Bluetooth/ZigBee
- ISM Applications
- Wireless Communication System
- Network Devices
- Set top Boxes

Product Image



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Electrical Specification – Antenna

Parameter	Specification	Unit
Operating Frequency	2400 - 2500	MHz
Return Loss	< -12.5	dB
Polarization	Linear	-
Total Efficiency	> -1.6	dB
Peak Gain	3.6	dBi
Impedance	50	Ω

Note: Performance will vary depending on the ground plane, application, and environment.

Mechanical Specification

Parameter	Specification
Antenna Dimension	Ø10 x 82.1 mm
Mounting Type	Connector
Material(s)	PU/ PC + PBT
Connector Type	RP-SMA (M)

Environmental Specification

Parameter	Specification
Storage Temperature	-30°C to +75°C



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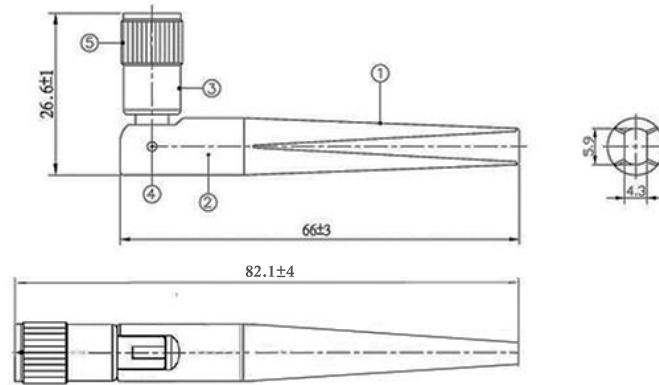


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Product Dimensions



Unit: mm

Measurement Setup

The antenna measurements were all done in free space.

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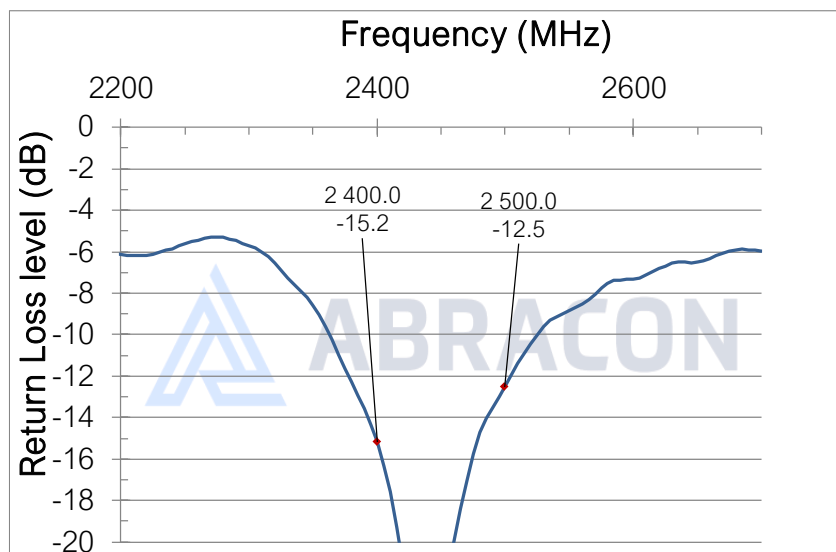


Ø10 x 82.1 mm

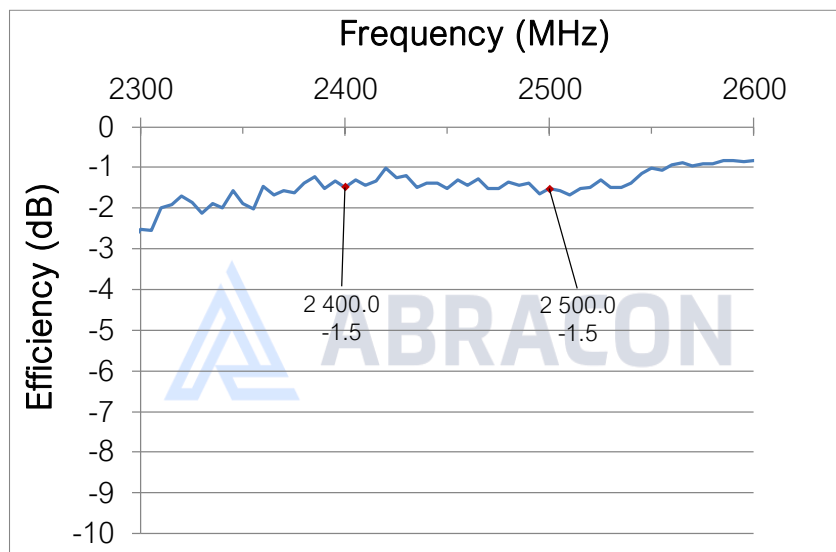
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Reflection Characteristics – Return Loss



Radiation Characteristics – Total Efficiency (dB)



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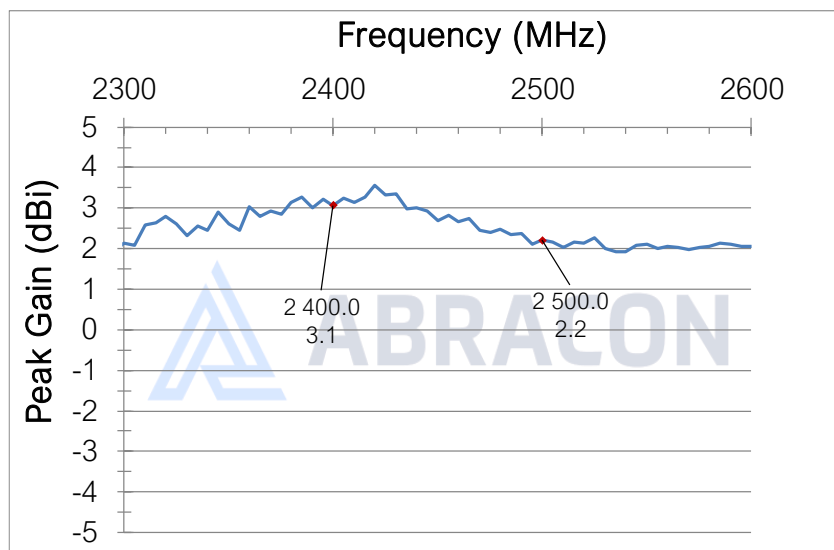


Ø10 x 82.1 mm

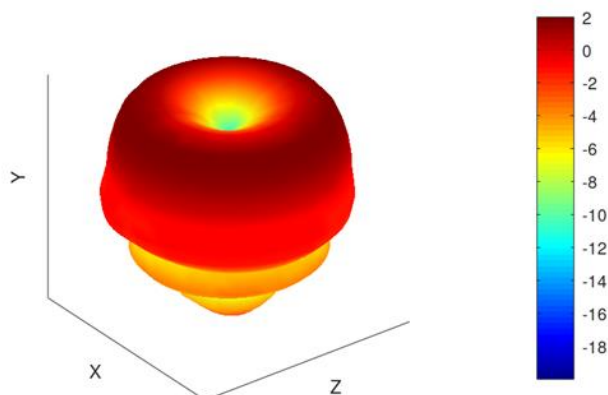
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Radiation Characteristics – Maximum Gain



Radiation Characteristics – 3D Pattern @ 2450 MHz



Unit: dBi



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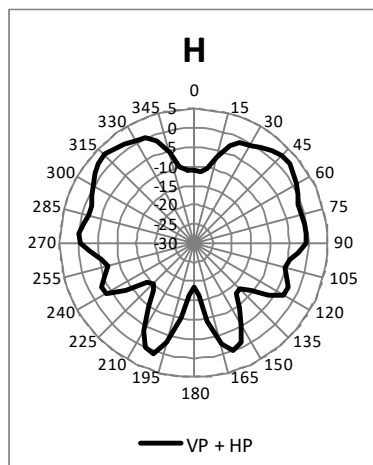
Ø10 x 82.1 mm

RoHS/RoHS II Compliant

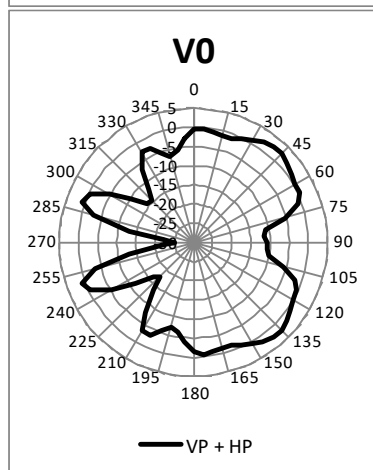
MSL Level = 1

Radiation Characteristics – 2D Pattern @ 2450 MHz

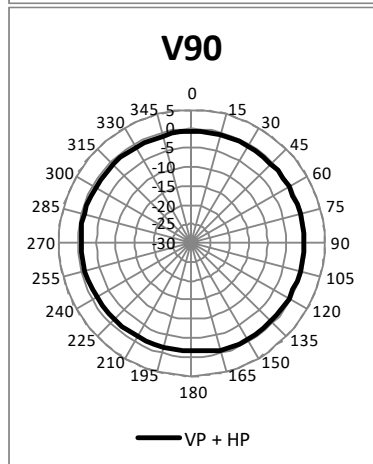
XY-plane:



YZ-plane:



XZ-plane:



VP: Vertical Polarization
HP: Horizontal Polarization

Unit: dBi



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Packaging

The antenna is delivered in a plastic bag.

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