

Internal FPC Dual-Band WIFI Antenna

Pulse Part Number CW3315B0100



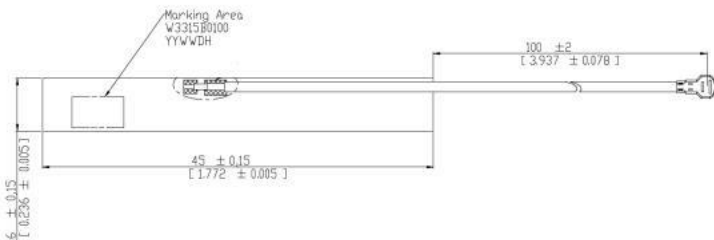
The CW3315B0100 antennas are internal Flexible Printed Circuit Dual Band WiFi antennas that cover the entire WLAN bands of 2.4 - 2.5 GHz and 4.9 – 5.85 GHz. The CW3315B0100 has a 100mm cable assembly with a standard IPEX connector for ease of connection to the board. With this small form factor and efficiency over 50%, the CW3315B0100 antennas are perfect internal options for WiFi applications. The dual and wideband coverage is a perfect solution for industrial applications and data transmission/communication especially in IoT devices. The CW3315B0100 is also an excellent internal solution for many applications in the Public Safety market.

Features

- Dual band WiFi (covers 2.4 GHz and 4.9 – 5.85 GHz)
- Low profile/small form factor
- Omni directional in XY-plane
- Compact size W x L (6 x 45 mm)
- Antenna cable: 100 mm with U.FL compatible connector
- Adhesive backing
- Lead free materials
- RoHS Compliant Product

Applications

- Zigbee, BLE/BT, WLAN (2.4 GHz, 5 GHz)
- Global WiFi Systems
- Data Transmission in IoT devices
- Access points
- Industrial Applications
- Medical
- Point of Sale
- Handheld Devices
- Transportation/Parking
- Sensor Networks
- Lighting



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Electrical Specifications

Frequency	Freq 1	2400-2500 MHz
	Freq 2	4900-5900 MHz
Nominal Impedance Ω		50
VSWR		2:1
Gain (dBi) Max	Freq 1	2.5 Max
	Freq 2	5 Max
Gain (dBi) Average	Freq 1	-3.5
	Freq 2	-2.5
Efficiency (%) Average	Freq 1	70
	Freq 2	70
Power Rating , Watts		2, max

Environmental Specifications

Operating Temperature (° C)	-40 / +85
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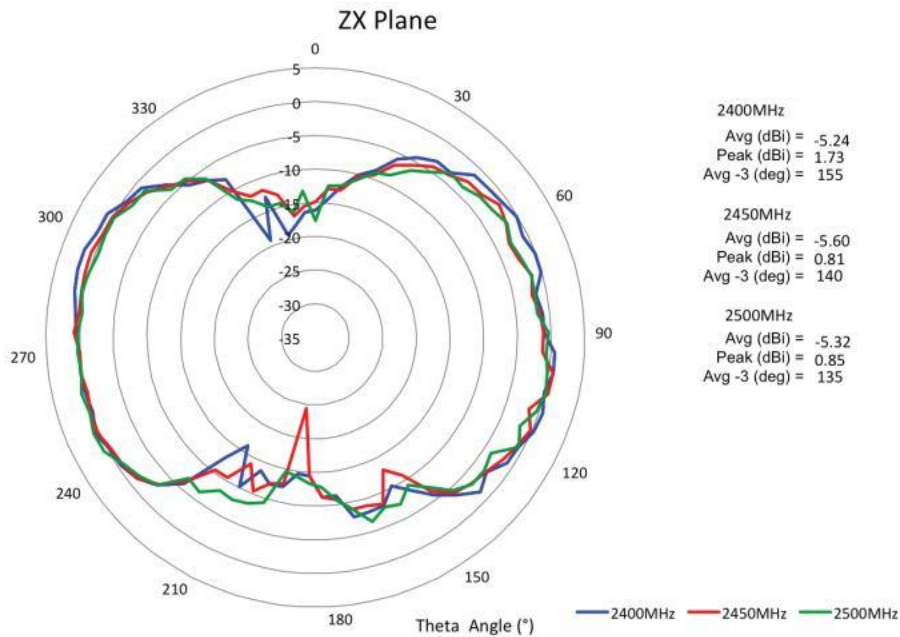
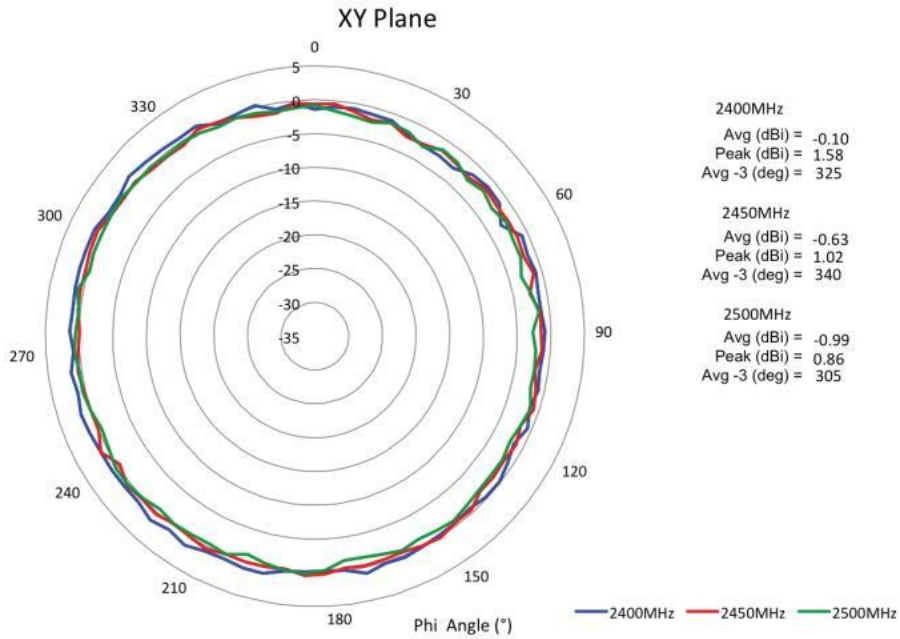
Mechanical Specifications

Connector Type	IPEX, MHF series
Cable Type	OD 1.13mm, Black
Cable Length	100mm
Weight (grams)	.5

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Typical Radiation Patterns

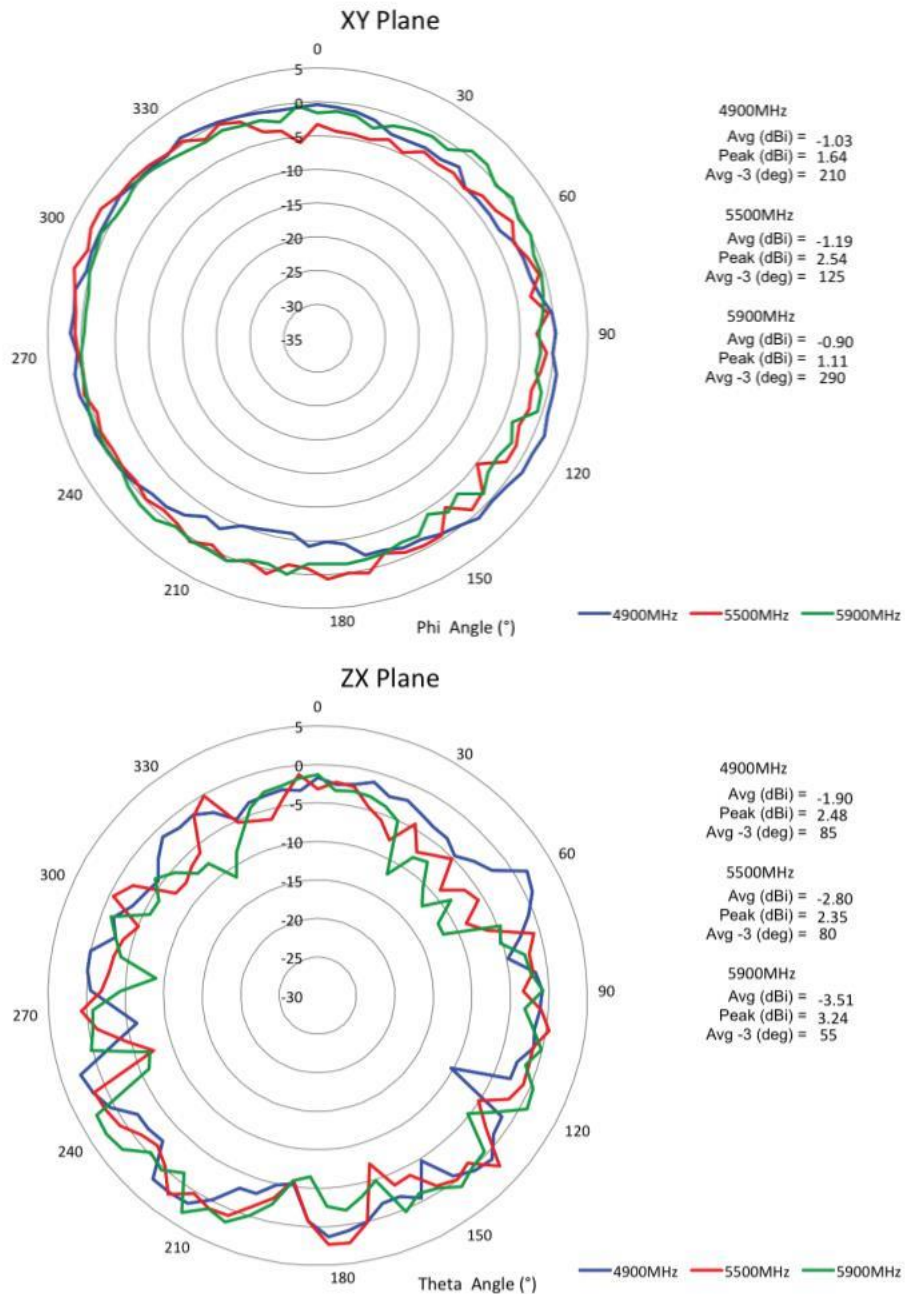


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