# **ANT-WDB-PNF-1011 Series**

10 dBi at 2.4 GHz and 11 dBi at 5 GHz, N-type (female), dual-band directional antenna



### **Features and Benefits**

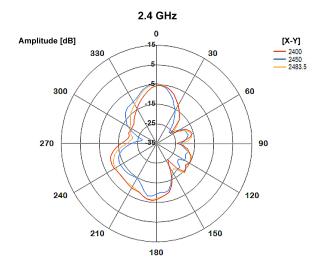
- High-gain antenna to enhance performance
- Waterproof N-type connector
- · Pole-mounting support
- · Housing provides IP65 protection
- -40 to 85°C operating temperature range

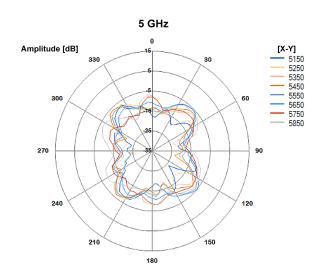
## Introduction

The ANT-WDB-PNF-1011 is a dual-band high-gain directional panel antenna with a waterproof N-type female connector. The antenna provides a gain of 10 dBi at 2.4 GHz and 11 dBi at 5 GHz. The IP65-rated housing, pole-mounting support, and wide operating temperature range of -40 to 85° C make it suitable for outdoor use.

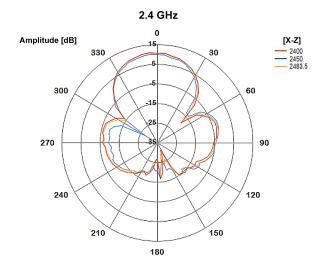
## **Field Patterns**

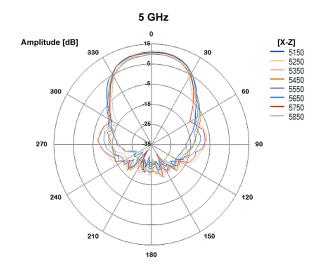
#### X-Y Plane



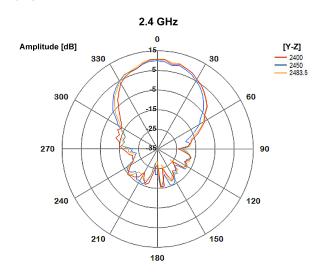


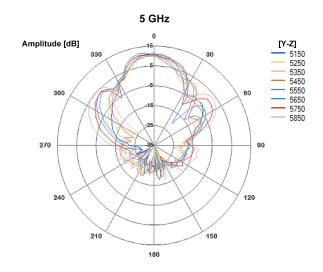
## X-Z Plane





## Y-Z Plane





## **Specifications**

## Antenna Characteristics

Antenna Gharacteristics			
Frequency	2.4 to 2.4835, 5.15 to 5.85 GHz		
Antenna Type	Directional, Panel		
Typical Antenna Gain	10/11 dBi		
Connector	N-type (female)		
Impedance	50 ohms		
HPBW/Horizontal	40°		
HPBW/Vertical	30°		
V.S.W.R.	1:3.0 max.		
Power Handling	10 W (max.)		
Polarization	Vertical		
Dhysical Characteristics			

## **Physical Characteristics**

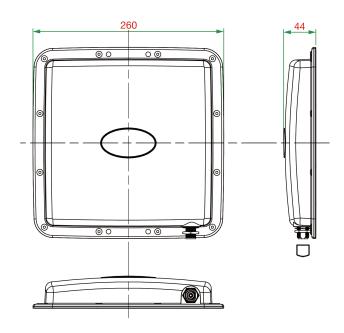
IP Rating	IP65
Dimensions	260 x 260 x 44 mm (10.27 x 10.27 x 1.73 in)

Weight	767 g (1.69 lb)		
Radome Color	White		
Radome Material	PC and ABS		
Installation	Pole mount		
Environmental Limits			
Operating Temperature	-40 to 85°C (-40 to 185°F)		
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)		
Warranty			

Warranty Period	1 year
Details	See www.moxa.com/warranty

## **Dimensions**

Unit: mm



## **Ordering Information**

Model Name	Frequency	Antenna Type	Antenna Gain	Connector Type
ANT-WDB-PNF-1011	2.4 to 2.4835 GHz, 5.15 to 5.85 GHz	Directional, panel	10 dBi at 2.4 GHz, 11 dBi at 5 GHz	N-type (female)

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