

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

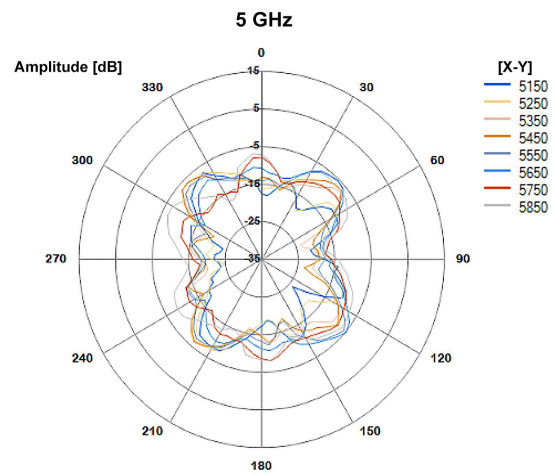
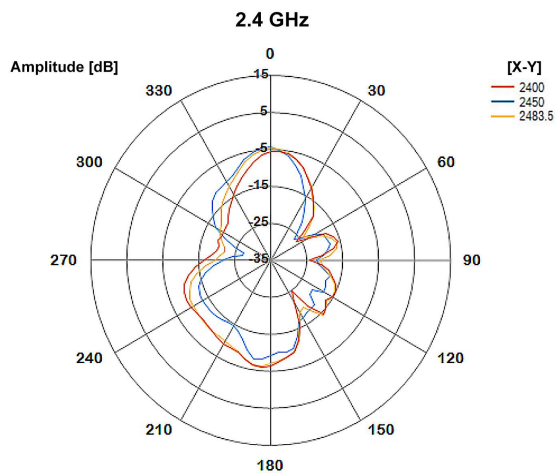
- High-gain antenna to enhance performance
- Waterproof N-type connector
- Pole-mounting support
- Housing provides IP65 protection
- -40 to 85°C operating temperature range

Introduction

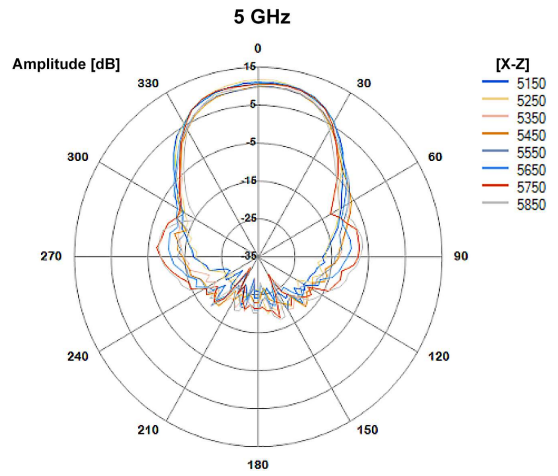
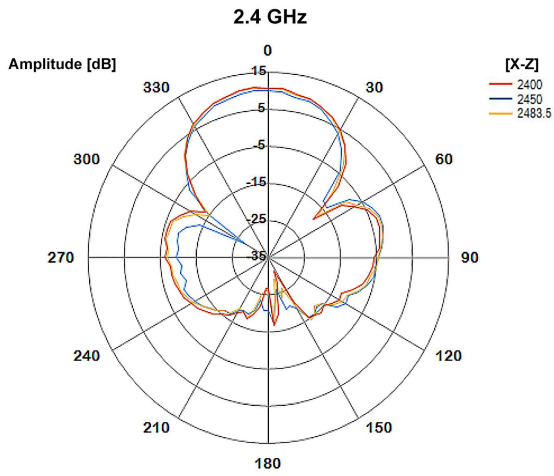
The ANT-WDB-PNF-1011 is a dual-band high-gain directional panel antenna with a waterproof N-type female connector. The antenna provides a gain of 10 dBi at 2.4 GHz and 11 dBi at 5 GHz. The IP65-rated housing, pole-mounting support, and wide operating temperature range of -40 to 85° C make it suitable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

Field Patterns

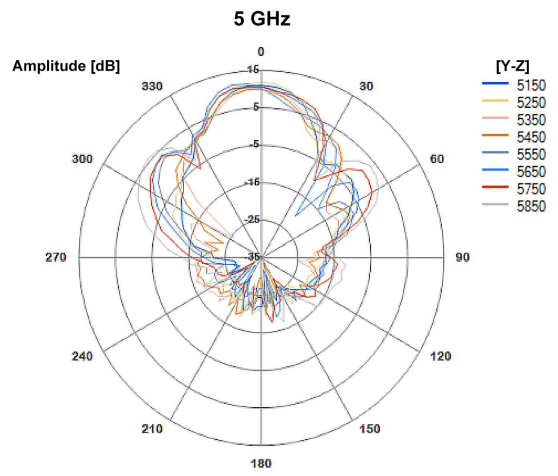
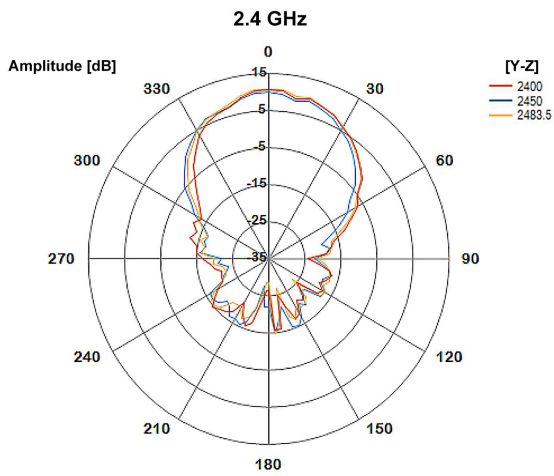
X-Y Plane



X-Z Plane



Y-Z Plane



Specifications

Antenna Characteristics

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

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

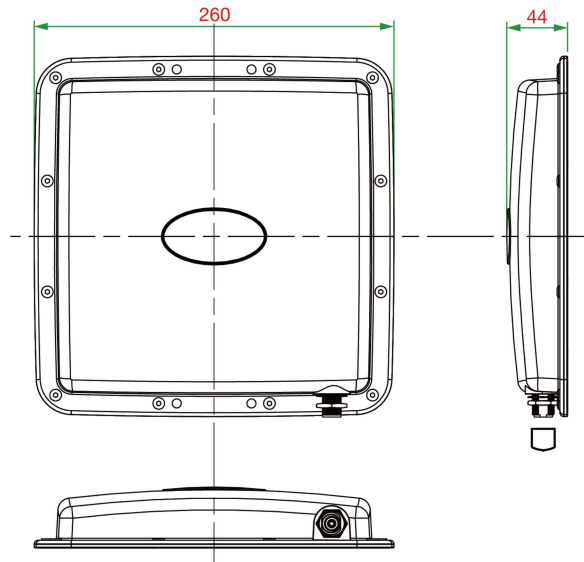
Operating Temperature	-40 to 85°C (-40 to 185°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)

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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