

ANT-WDB-ONF-0709 Series

07 dBi at 2.4 GHz and 09 dBi at 5 GHz, N-type (female), dual-band omnidirectional antenna



Features and Benefits

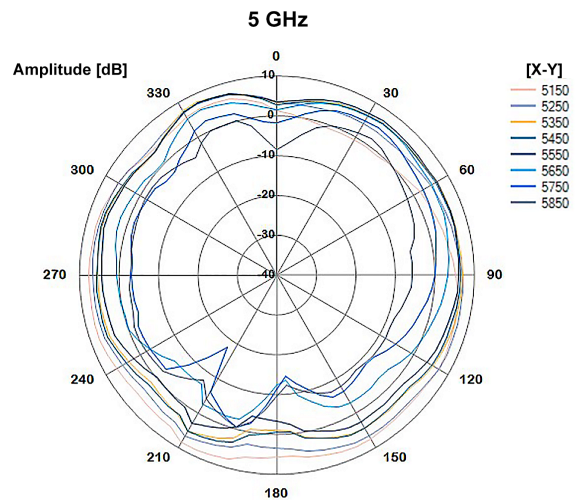
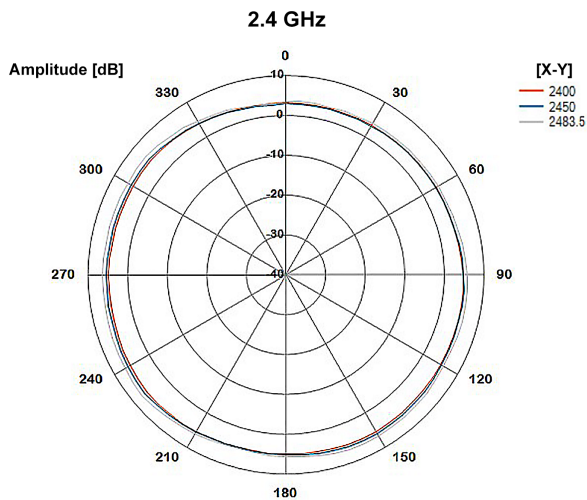
- High-gain antenna to enhance performance
- Waterproof N-type connector
- Lightweight
- Compact form factor
- Pole-mounting support
- Housing provides IP65 protection
- -40 to 80°C operating temperature range

Introduction

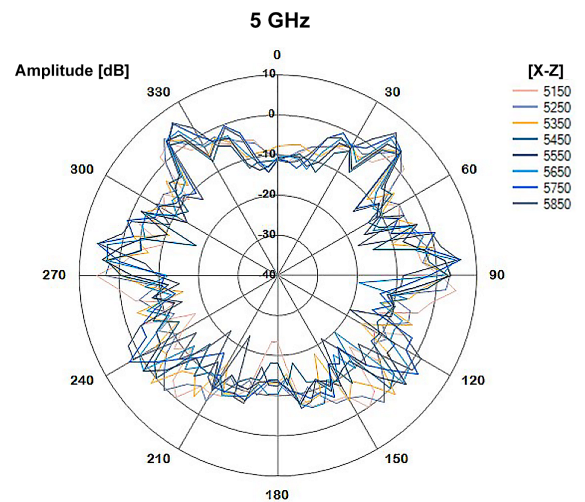
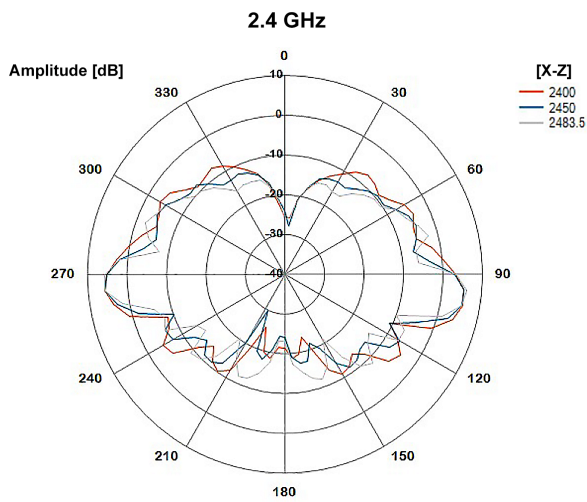
The ANT-WDB-ONF-0709 is an omnidirectional dual-band high-gain antenna with a waterproof N-type female connector. The IP65-rated housing, pole-mounting support, and wide operating temperature range of -40 to 85°C make it suitable for outdoor use.

Field Patterns

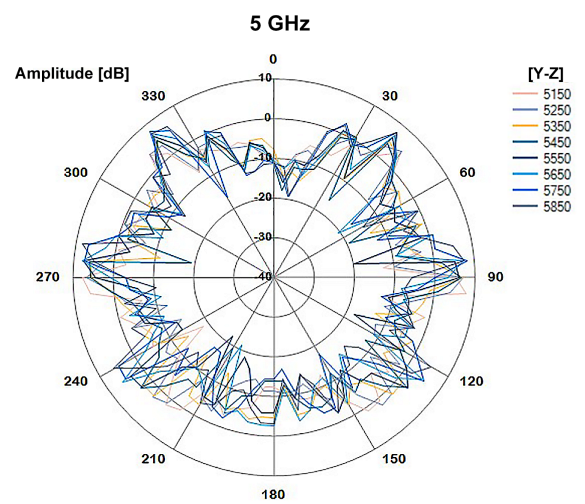
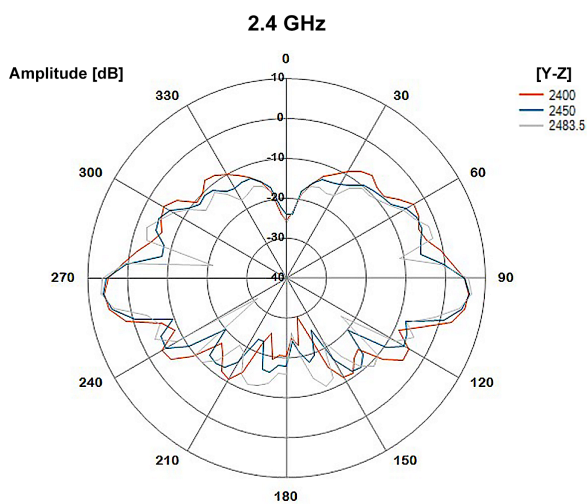
X-Y Plane



X-Z Plane



Y-Z Plane



Specifications

Antenna Characteristics

Frequency	2.4 to 2.4835 GHz or 5.15 to 5.85 GHz
Antenna Type	Omni-directional
Typical Antenna Gain	7/9 dBi
Connector	N-type (female)
Impedance	50 ohms
HPBW/Horizontal	360°
V.S.W.R.	1:2.5 max.
Power Handling	10 W (max.)
Polarization	Vertical

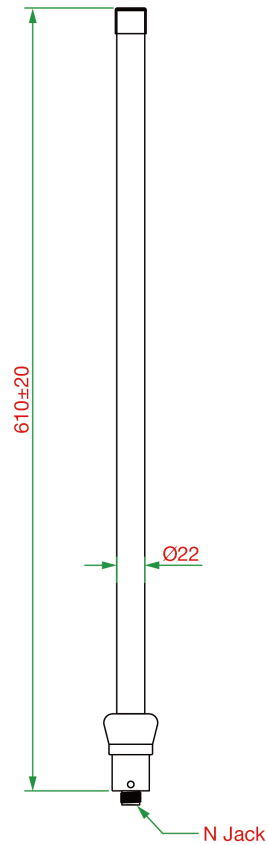
Physical Characteristics

IP Rating	IP65
Dimensions	Diameter: 22 mm (0.87 in) Length: 610 mm (24.0 in)

Weight	461 g (1.02 lb)
Radome Color	White
Radome Material	Fiberglass
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-ONF-0709	2.4 to 2.4835 GHz, 5.15 to 5.85 GHz	Omnidirectional	7 dBi at 2.4 GHz, 9 dBi at 5 GHz	N-type (female)

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