MAT-WDB-PA-NF-2-0708 Series

MIMO 2x2, 2.4/5 GHz, dual-band panel antennas: 7/8 dBi, N-type (female)

Features and Benefits

- Lightweight
- Compact form factor
- Pole-mounting support
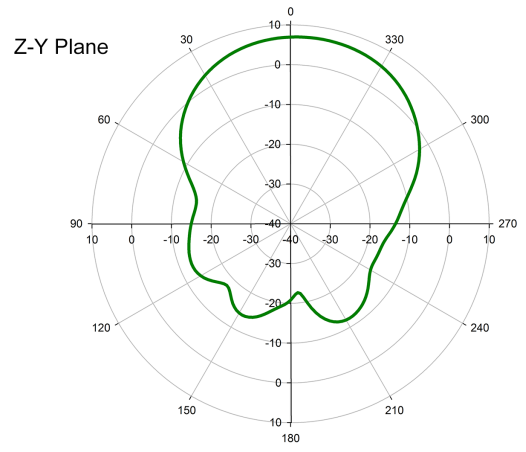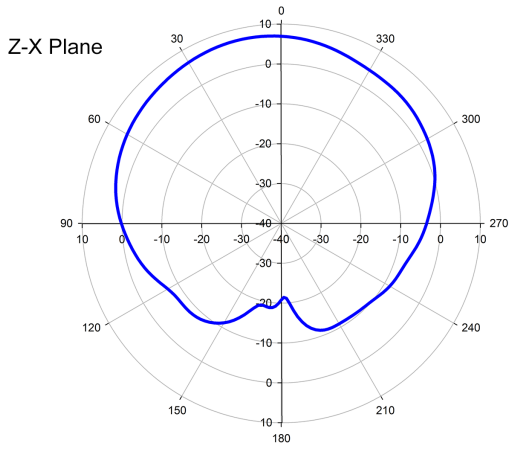- -40 to 75°C operating temperature range

Introduction

The MAT-WDB-PA-NF-2-0708 antenna is a compact MIMO 2x2 dual-band panel antenna with an N-type (female) connector. The antenna can be used in both the 2.4 GHz and 5 GHz frequencies and provides a gain of 7/8 dBi.
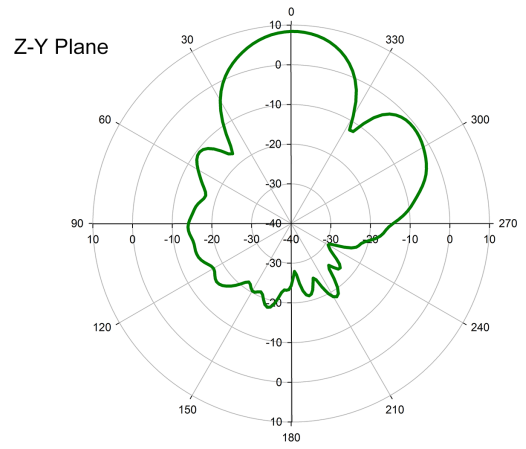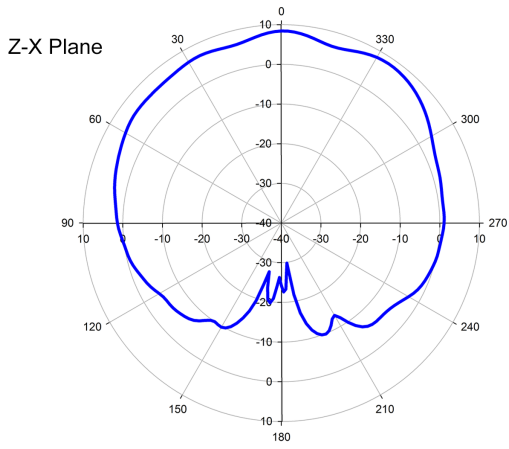
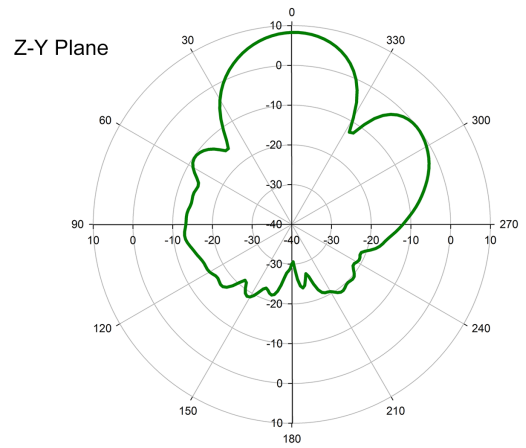## Field Patterns

Port 1 Frequency: 2.4 GHz

Z-X Plane

Z-Y Plane
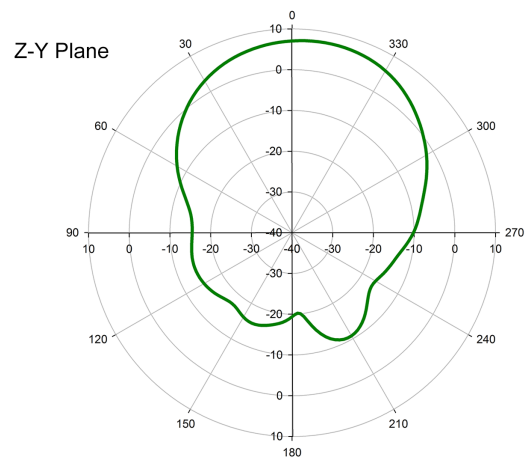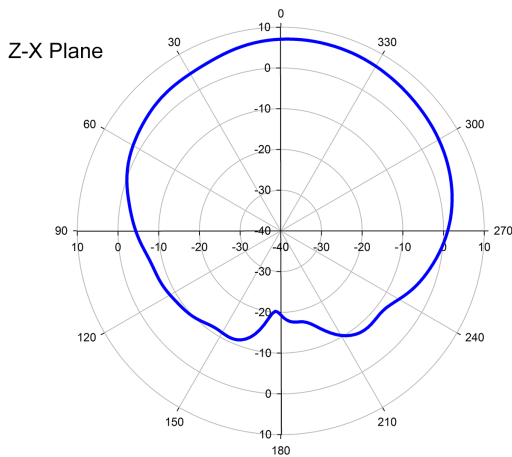
Port 2 Frequency: 2.4 GHz

Z-X Plane

Z-Y Plane

Port 1 Frequency: 5 GHz

Z-X Plane

Z-Y Plane

Port 2 Frequency: 5 GHz

Z-X Plane

Z-Y Plane
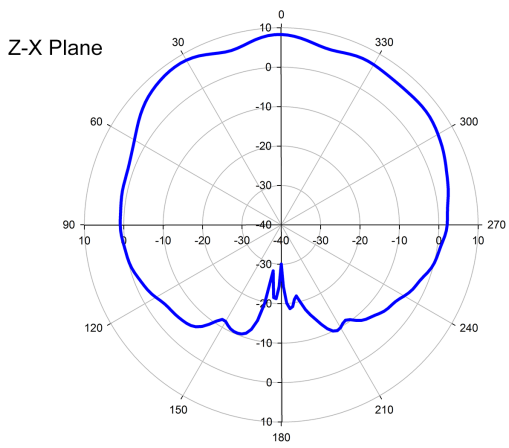
Specifications

Antenna Characteristics

Frequency	2.4 to 2.5, 4.9 to 5.9 GHz
Antenna Type	MIMO 2x2, Directional, Panel
Typical Antenna Gain	7/8 dBi
Connector	N-type (female)
Impedance	50 ohms

Polarization	Vertical, Vertical
HPBW/Horizontal	90°
HPBW/Vertical	50°
V.S.W.R.	2:1 max.
Power Handling	2 W (max.)

Physical Characteristics

Dimensions	206 x 177 x 45 mm (8.11 x 6.97 x 1.77 in)
Weight	935 g (2.06 lb)
Radome Color	White
Radome Material	ABS
Installation	Pole mount

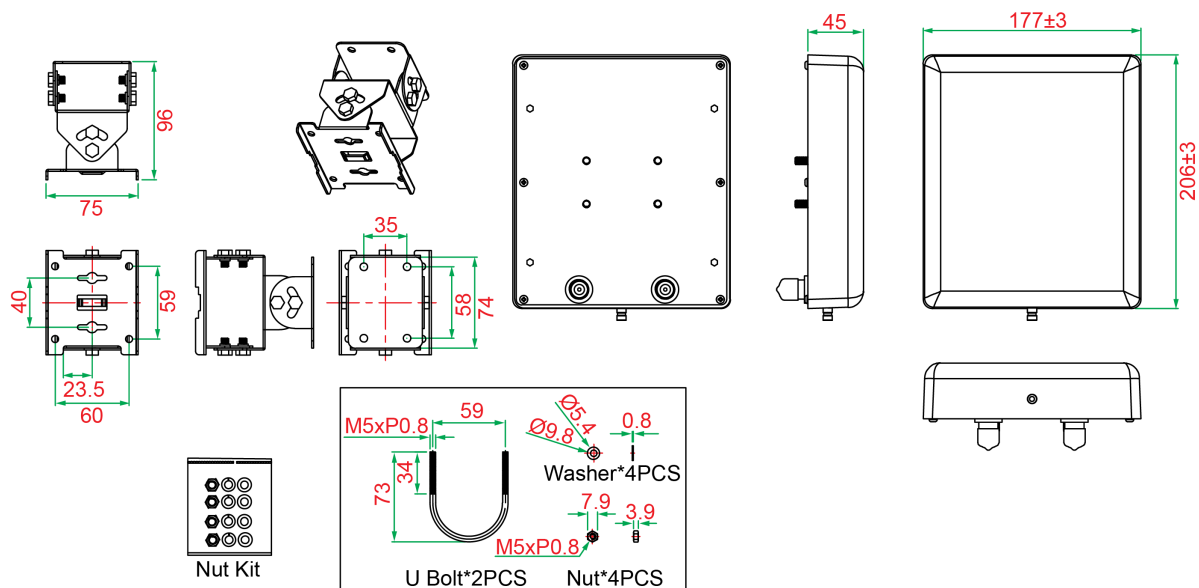**Environmental Limits**

Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

Warranty

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

Dimensions

Unit: mm

Ordering Information

Model Name	Frequency	Antenna Type	Antenna Gain	Connector
MAT-WDB-PA-NF-2-0708	2.4 to 2.5, 4.9 to 5.9 GHz	MIMO 2x2, Directional, Panel	7/8 dBi	N-type (female)

MOXA®
Reliable Networks ▲ Sincere Service

www.moxa.com