

Wide Band Omni Antenna

IXL-MJN-H4U

698-2700MHz, N-Female, Low profile

- Omni-Directional Wideband Antenna (698–2700 MHz)
- Covers 700/800 MHz Public Safety Band and 2G/3G/4G cellular networks
- Low-profile design optimized for indoor applications
- Compact and cost-effective solution
- Compliant with UL-94-V0 flammability rating for safety



Electrical Specification

Product Model	IXL-MJN-H4U		
Frequency (MHz)	698-806	806-960	1695-2700
Gain (dBi)	2.2 ± 0.5	3.5 ± 0.5	4.5 ± 1.0
Polarization	Horizontal		
Beamwidth Horizontal (°)	360		
VSWR	≤ 1.5	≤ 1.5	≤ 1.5
PIM (dBc)	< -153 @2 x 43dBm		
Average Power, max (W)	50		
Impedance (ohm)	50		

Mechanical Specification

Dimension Diameter, height (in/mm)	Ø 8.7x 0.7 / Ø 220 x 18
Weight (lb./kg)	0.7 / 0.3
Shipping Dimension(in/mm)	8.9x8.7x3.6 / 225x220x90
Shipping Weight(lb./kg)	1.1/ 0.5
Radome Material & color	ABS, White, RAL9003
Flammability	UL-94-V0
Mounting/Connector type	Ceil Mount, N-female
	Option: High Ceiling or Joist mount bracket (MT-ND-HC)

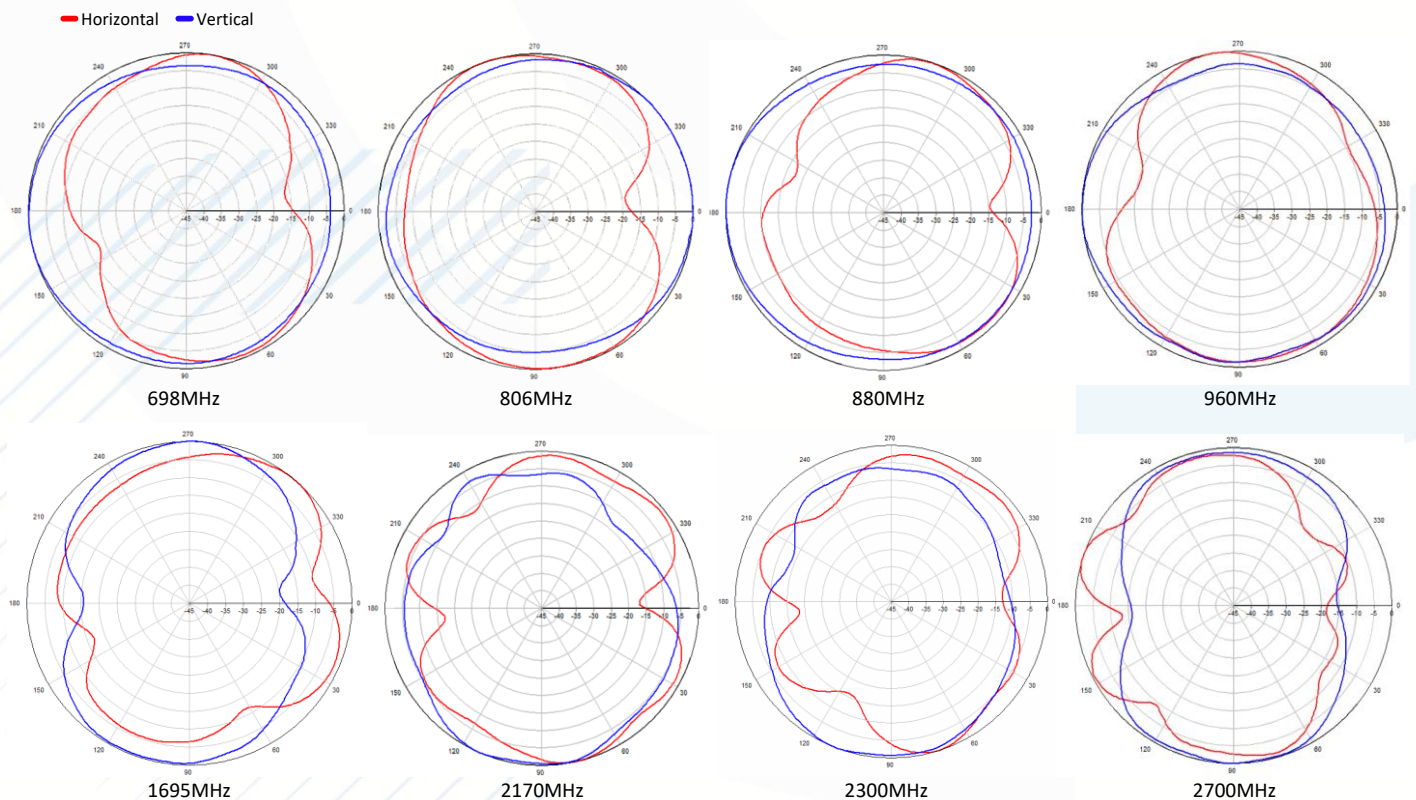
Environment & Compliance

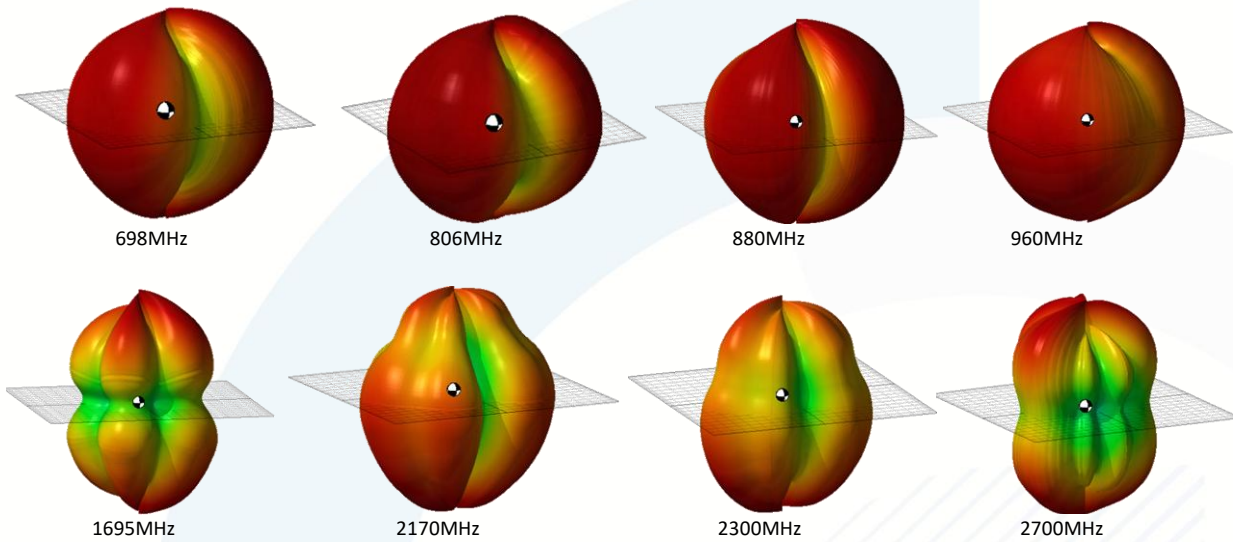
Application	Indoor
Operating Temperature	-55°C to +70C
Relative Humidity	Up to 95%
RoHS	Compliant
Environment	IP54*

*Note: Recommended for indoor application and the antenna can be used “outdoor garage rated”.

*Note: Not recommended for use with metal J boxes. Plastic or fiberglass J boxes are acceptable.

Antenna Pattern





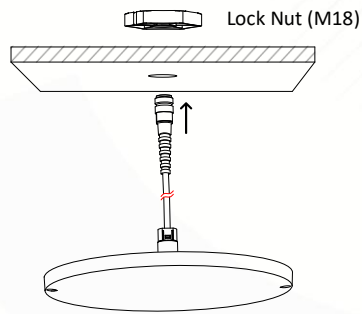
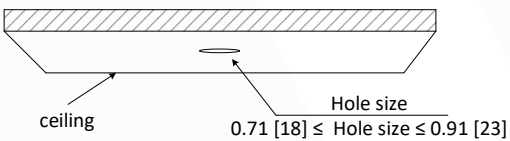
Mechanical Drawing and Installation Guide

1. Standard Installation

Method 1

1. Drill a hole in the ceiling using a drill machine

Inches [mm]

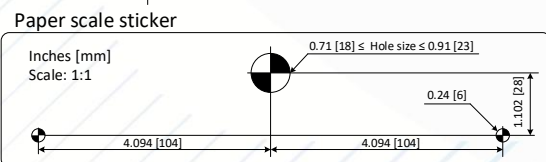
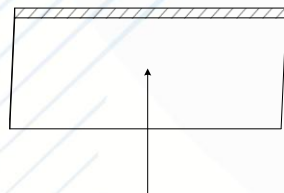


3. Fasten the antenna with a lock

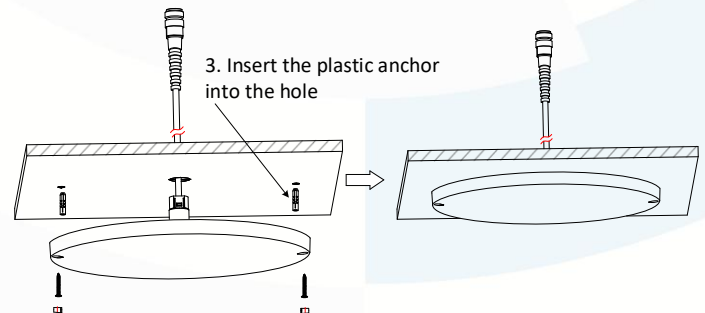
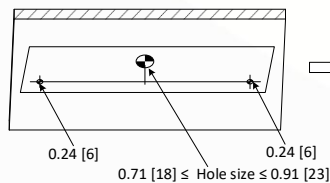
2. Feed the antenna pigtail through the hole

Method 2

1. Attached the paper scale sticker to the ceiling



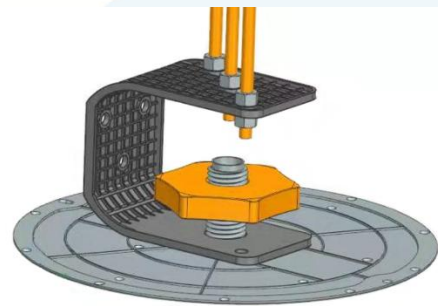
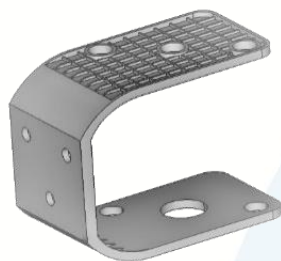
2. Drill three holes in the location indicated



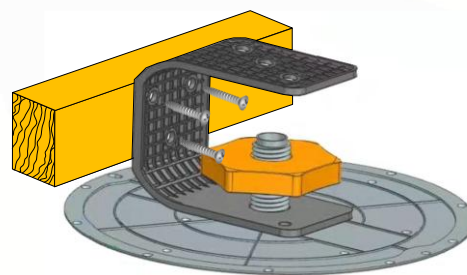
4. Fasten the screw, then put the lid in place

2. Optional Installation

Mounting Bracket: MT-ND-HC. Please refer to MT-ND-HC Installation Instruction



High Ceiling Mounting



Joist Mounting