

Omni antenna with IP66 protection

IOX-MJN-V3UI

Low PIM(-153dBc), 698-2700MHz, N-Female

- **Reliable Protection:** IP66 waterproof rating provides long-term resistance against rain, dust, and water ingress, ensuring consistent performance even in harsh or wet environments.
- **Wideband Performance:** Operates across 698–2700 MHz, covering multiple frequency bands
- **Versatile Deployment:** Designed for both indoor and outdoor use, suitable for cold-storage facilities, high-humidity environments, and general outdoor installations.
- **Compact & Efficient:** Space-saving design with a cost-effective structure, making it easy to install in tight locations without compromising performance.
- **Safety Certified:** Built with UL-94-V0 compliant materials to meet strict flammability standards, ensuring safety and reliability in critical installations.



Electrical Specification

Product Model	IOX-MJN-V3UI		
Frequency (MHz)	698-806	806-960	1695-2700
Gain (dBi)	1.8 ± 0.5	2.0 ± 0.5	3.0 ± 1.0
Polarization	Vertical		
Beamwidth Horizontal (°)	360		
Beamwidth Vertical(°)	90	70	35
VSWR	≤ 1.8, typical ≤ 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 8.4 x 4.6 / Ø 213.0x 116.0
Weight (lb./kg)	1.10 / 0.50
Shipping Dimension(in/mm)	7.09x7.09x7.09 / 180.0x180.0x180.0
Shipping Weight(lb./kg)	1.65 / 0.75
Radome Material & color	ABS, White, RAL9003
Flammability	UL-94-V0
Mounting/Connector type	Ceiling Mount, Option1: Hard Ceiling mount bracket (MT-DA-01) Option2: High Ceiling or Joist mount bracket (MT-ND-HC)

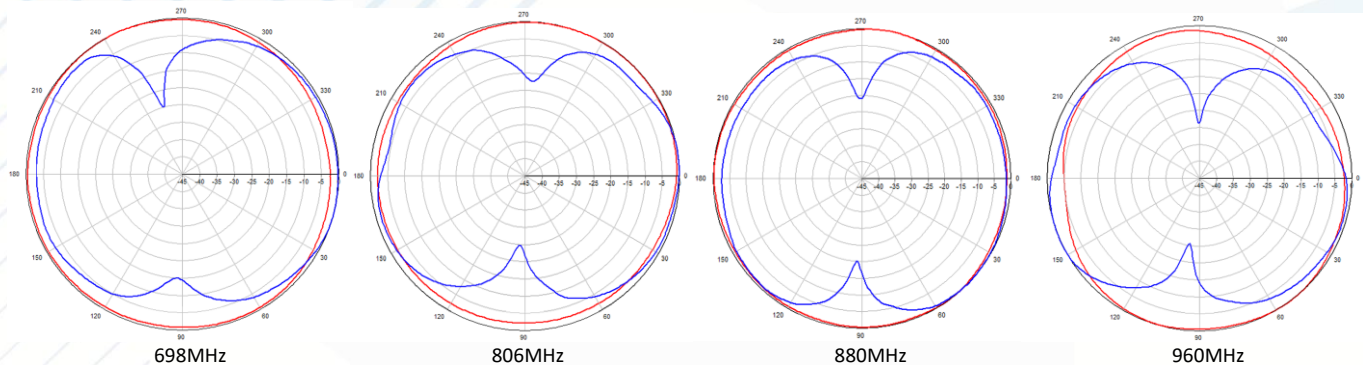
Environment & Compliance

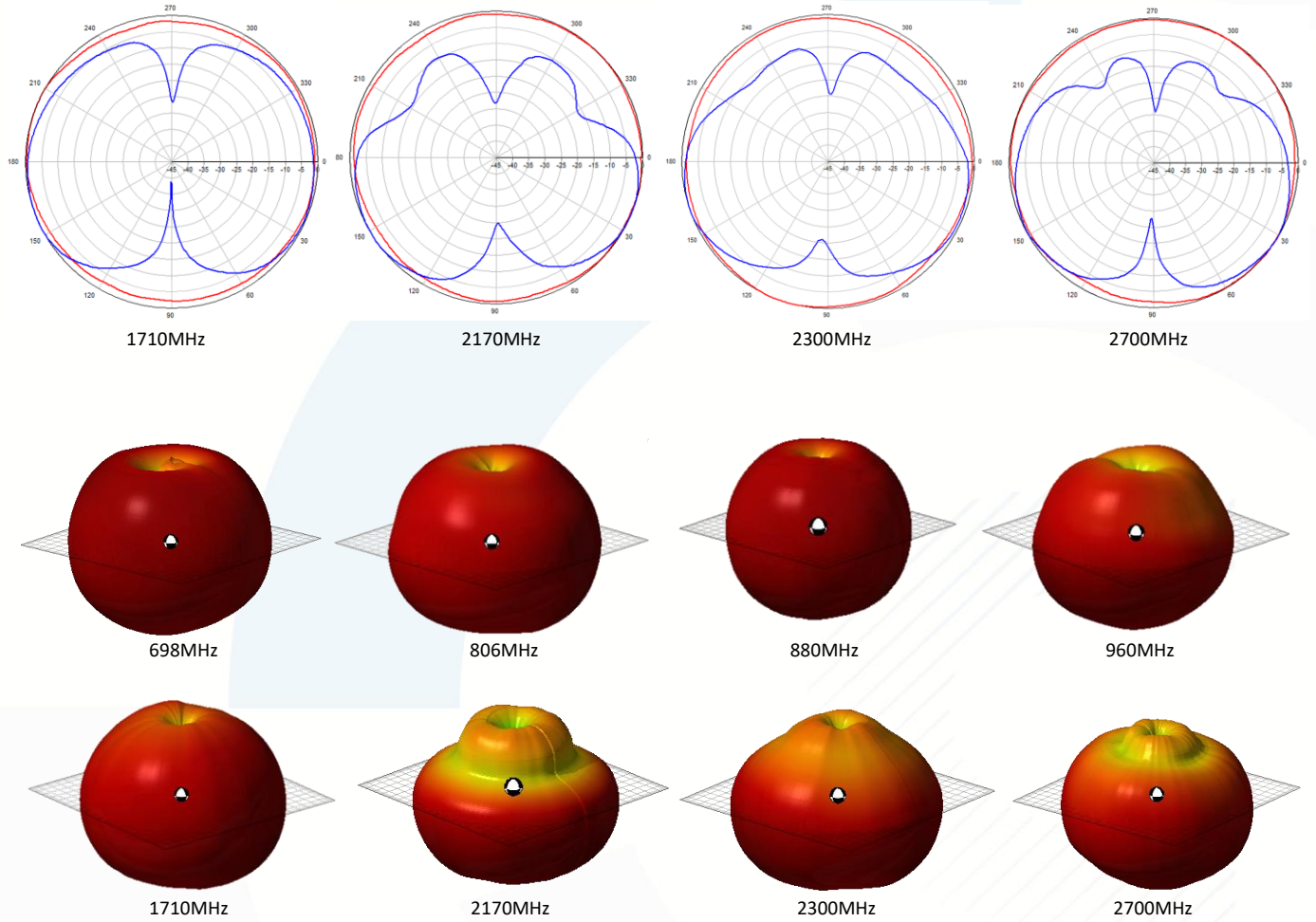
Application	Indoor/Outdoor
Operating Temperature	-40°C to +65°C
Relative Humidity	Up to 95%
RoHS	Compliant
Environment	IP66

*Note: Designed with an IP66 rating, the antenna is fully protected against dust ingress and high-pressure water exposure.

Antenna Pattern

— Horizontal — Vertical

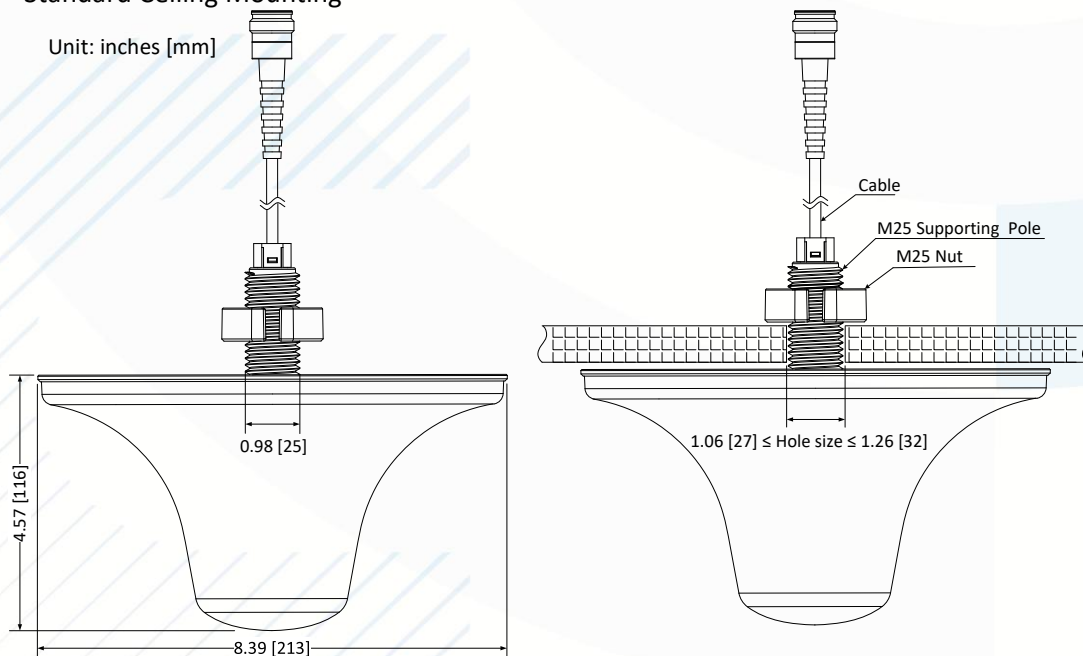




Outline Drawing & Installation Instruction

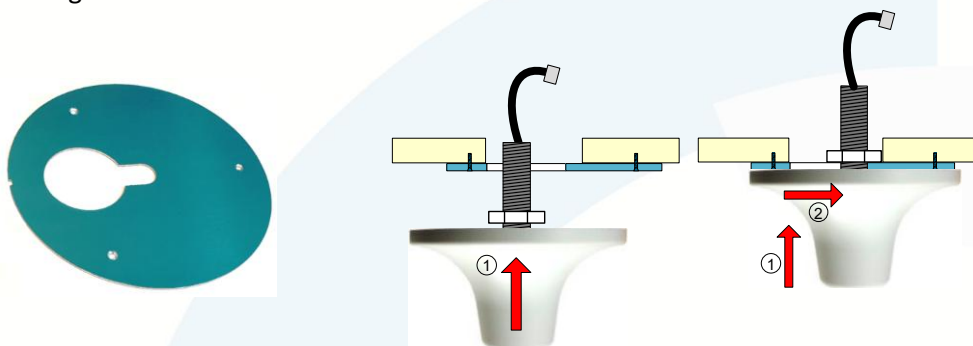
1. Standard Ceiling Mounting

Unit: inches [mm]



2. Hard Ceiling Mounting

Mounting Bracket: MT-DA-01. Please refer to MT-DA-01 Installation instruction



3. High Ceiling Mounting / Joist Mounting

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

