

Indoor VHF Low-profile Antenna

IXL-EYN-H3P

VHF Low-Profile, 132-176/340-570/617-960MHz, N-Female, UL-94-V0 rated

- VHF omni-Antenna covering 132-176/ 340-570/ 617-960MHz (VHF/UHF/700/800 Public Safety)
- 22"x22" Low-profile antenna and suitable for indoor application
- Enhanced antenna gain at VHF band

Electrical Specification

Product Model	IXL-EYN-H3P		
Frequency (MHz)	132-176	340-570	617-960
Gain (dBi). Typical	1.9	2.7	2.1
Polarization	Horizontal		
Beamwidth Horizontal (°)	360		
VSWR. Typical	2.2	1.8	1.5
Average Power, max (W)	50		
Impedance (ohm)	50		

Mechanical Specification

Dimension Diameter, height (in/mm)	22.0x22.0x0.06 / 559.0x559.0x1.5
Weight (lb./kg)	2.5 / 1.1
Shipping Dimension(in/mm)	24.0x24.0x2.0 / 610.0x610.0x50.0
Shipping Weight(lb./kg)	4.0 / 1.8
Material & color	White
Flammability	UL-94-V0
Mounting/Connector type*	Ceil Mount, N-female, Plenum Rated cable, 1 foot long Option: High Ceiling or Junction Box installation (MT-ND-EY)

Environment & Compliance

Application	Indoor
Operating Temperature	-55°C to +70°C
Relative Humidity	Up to 95%
RoHS	Compliant
Environment	IP-54*

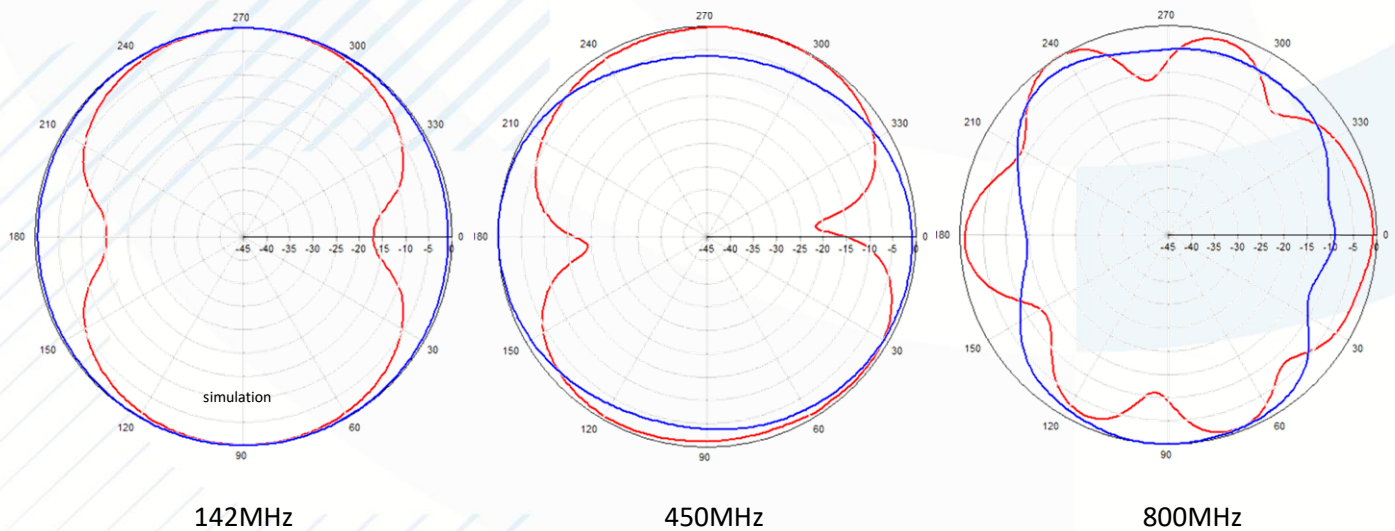
*Note: Recommended for indoor application and the antenna can be used "outdoor garage rated."

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

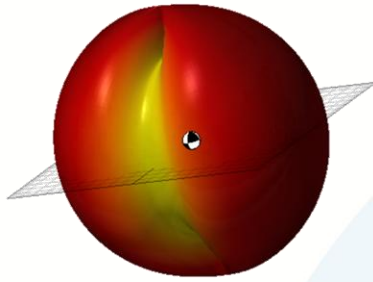
*Note: For metal J box installation, recommended to install the antenna with MT-ND-EY as spacer.

Antenna Pattern

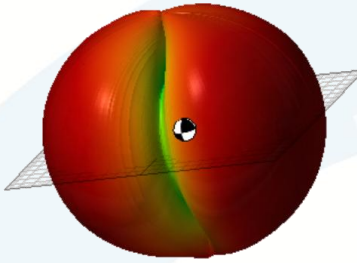
— Horizontal — Vertical



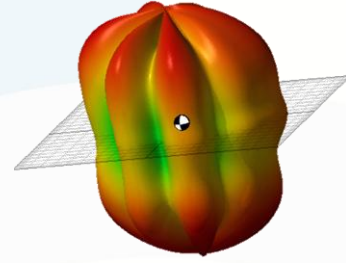
Outline Drawing & Installation Instruction



142MHz



450MHz

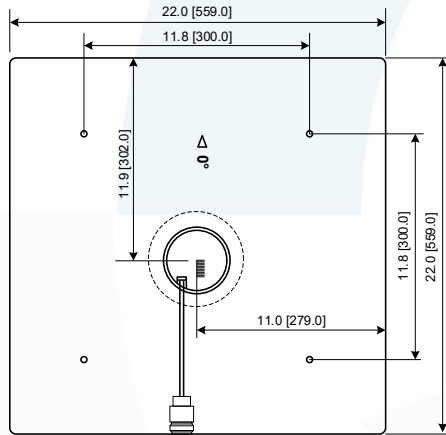


800MHz

Installation

1. Standard Installation

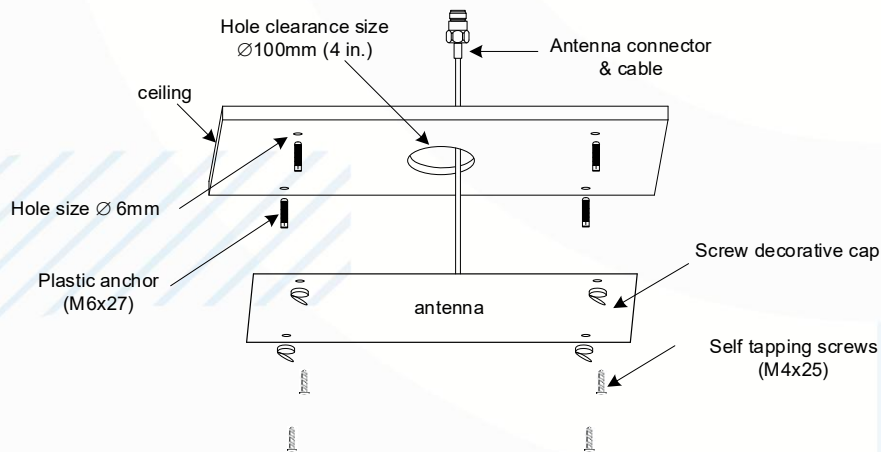
Unit: inches [mm]



Installation

1. Cut a 4-in-diameter (100 mm) clearance hole in the ceiling.
2. Drill four 1/4" (Ø6mm) mounting holes on the ceiling accordingly.
Please refer the drawing
3. Insert plastic anchors(M6) in the holes
4. Insert mounting plastic screw caps on the antenna mounting holes
5. Locate the antenna on the four mounting holes on the ceiling
6. Insert screws and then tighten the screws.

Once completely tighten the screws, push plastic screw caps to cover the screw head



2. Optional installation

For Junction box installation. Please refer to MT-ND-EY (UL-94-V0 rated) installation instructions.

