

Indoor Wide Band Omni Antenna

IXL-SQA-H6U / IXL-SQN-H6U

617-6000MHz, 4.3-10 Female, N-female, Low Profile

- Omni antenna wideband covering 617-6000MHz (700/800 Public Safety, 2G/3G/4G, CBRS, C-band, 5G Sub-6GHz)
- Low Profile and suitable for indoor application
- Compact ceiling mount and cost-effective design



Electrical Specification

Product Model	IXL-SQA-H6U / IXL-SQN-H6U				
Frequency (MHz)	617-806	806-960	1690-2700	3300-4200	4900-6000
Gain (dBi)	1.5 ± 0.5	2.2 ± 0.5	4.5 ± 1.0	6.0 ± 1.0	6.0 ± 1.0
Polarization	Horizontal				
Beamwidth Horizontal (°)	360				
VSWR	≤ 1.8	≤ 1.8	≤ 1.8	≤ 1.8	≤ 1.8
PIM (dBc)	≤ -153dBc @2 x 43dBm				
Average Power/ port, max (W)	50				
Impedance (ohm)	50				

Mechanical Specification

Dimension Diameter, height (in/mm)	Ø 8.7 x 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	Ceiling Mount
	IXL-SQA-H6U; 4.3-10 Female, IXL-SQN-H6U; N-Female

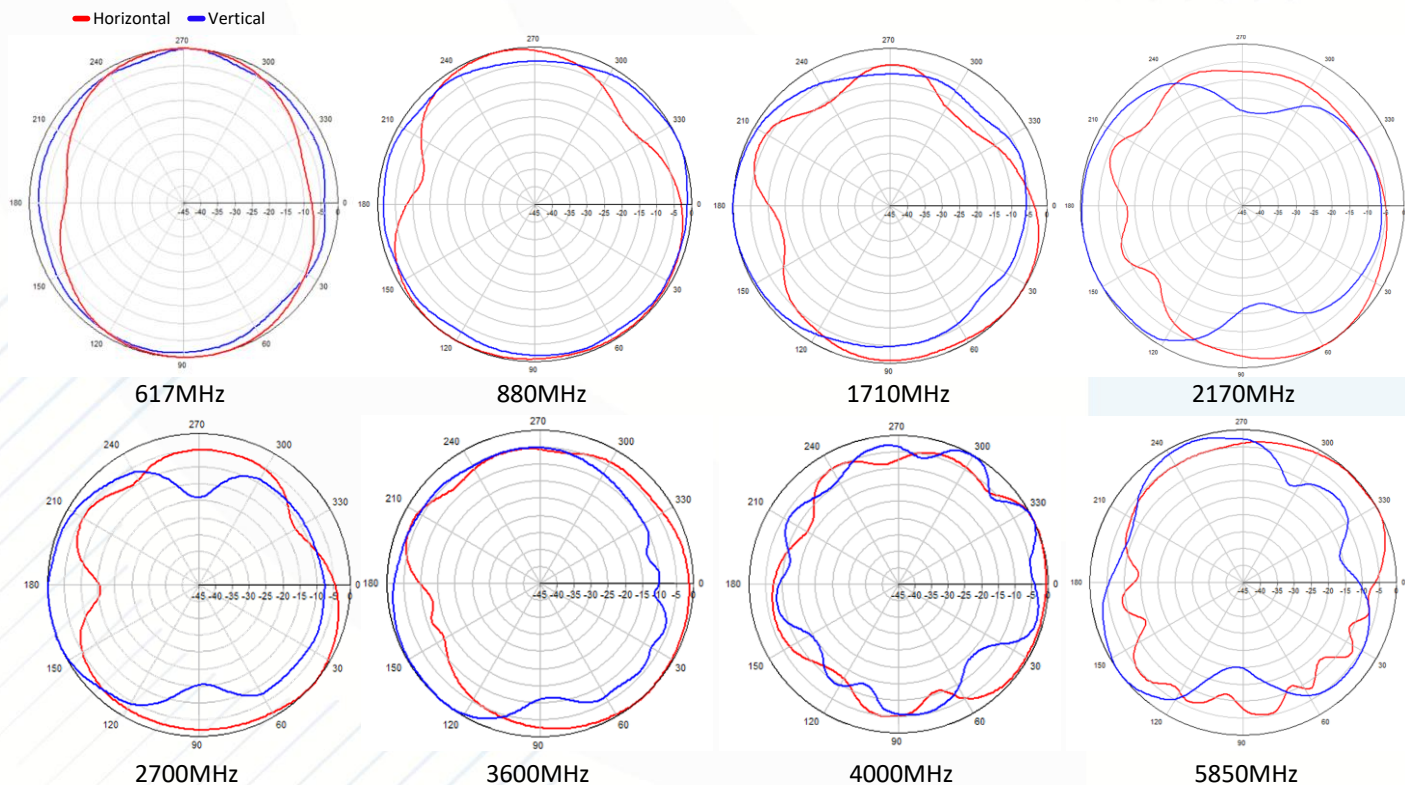
Environment & Compliance

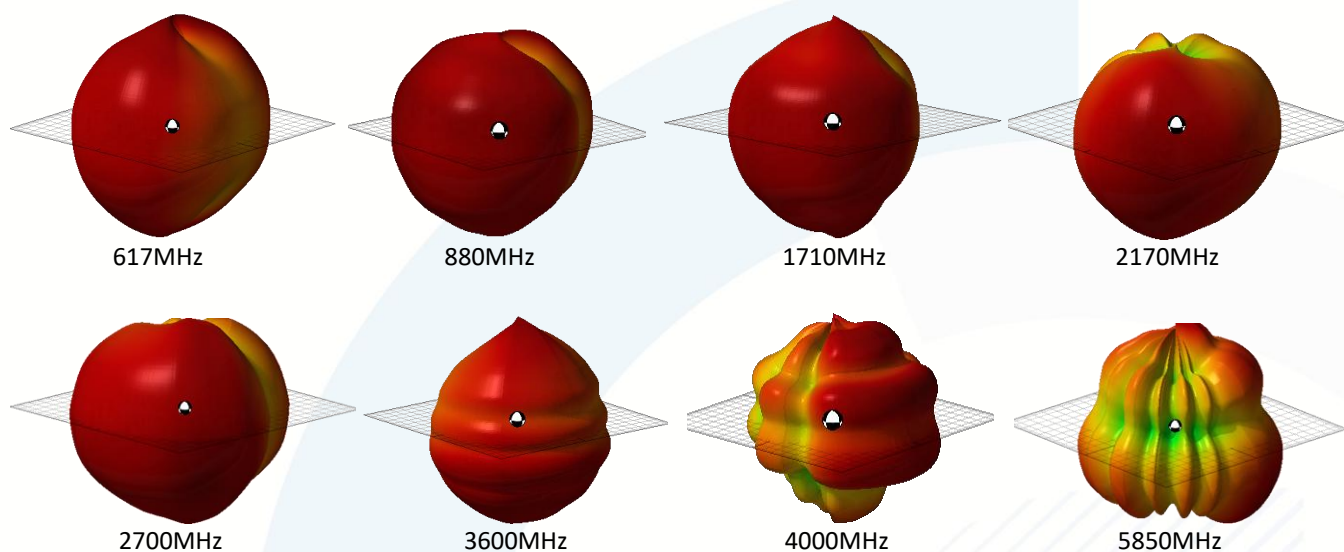
Application	Indoor
Operating Temperature	-40°C to +70°C
Relative Humidity	Up to 95%
RoHS	Compliant
Environment	IP54

*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





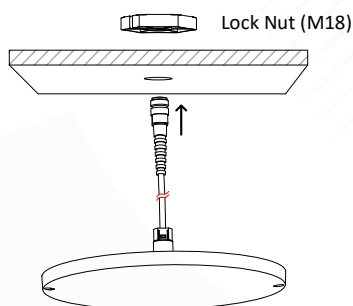
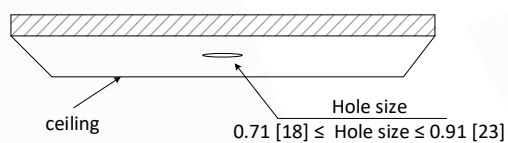
Mechanical Drawing and Installation Guide

1. Standard Installation

Method 1

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

Inches [mm]



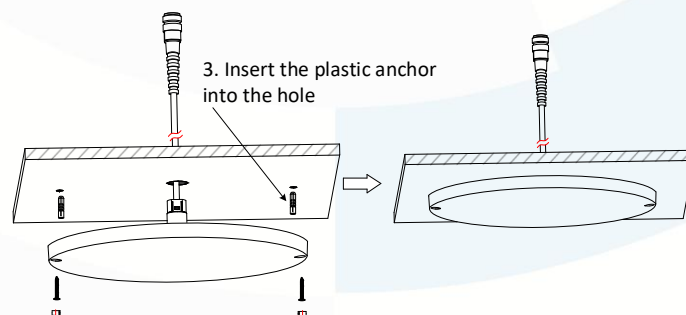
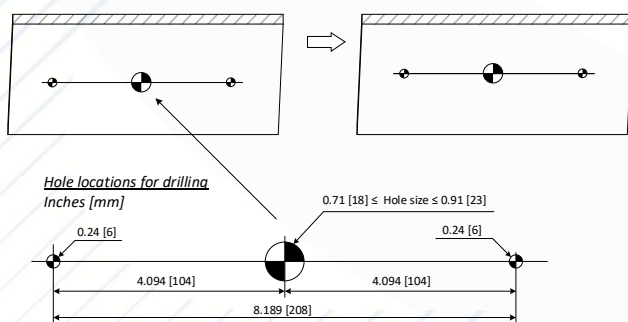
2. Feed the antenna pigtail through the hole

3. Fasten the antenna with a lock

Method 2

1. Measure the distance for each hole location and mark the three drill hole locations. Use a pencil or marker to clearly indicate the spots before drilling

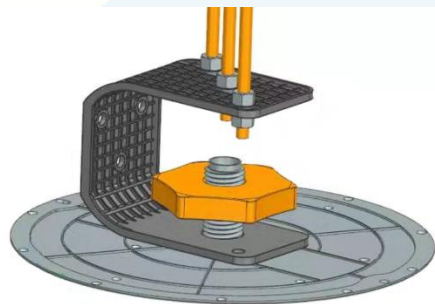
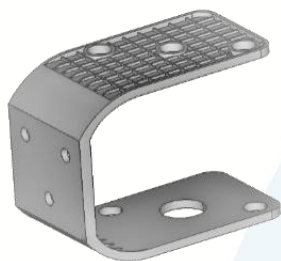
2. Drill three holes in the location indicated



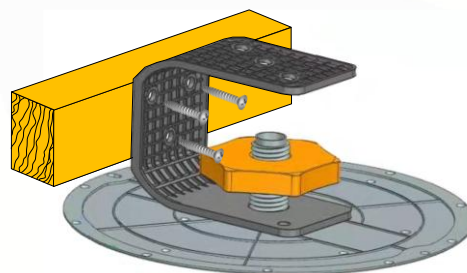
4. Fasten the screw, then put the lid in place

2. Optional Installation

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



High Ceiling Mounting



Joist Mounting