

# Safety Summary

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For your safety and the protection of the equipment, observe these precautions when installing, operating, or servicing the equipment.

## Warning and Caution Symbols

Throughout this manual, the following warning and caution symbols precede the procedures to which they apply:



**WARNING**

**WARNING with this alert symbol indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.**



**WARNING**

**WARNING with this alert symbol indicates risk of electrical shock that could result in serious injury or death.**



**CAUTION**

**CAUTION with this alert symbol indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.**

**CAUTION**

**CAUTION without an alert symbol indicates a potentially hazardous situation that, if not avoided, may result in property damage.**

## Follow All Warnings and Instructions

Follow all warnings and instructions marked on the equipment and included in this manual.

## Qualified Personnel Only

Only technically qualified service personnel are permitted to install, operate, or maintain the equipment.

## Lead-Acid Batteries

Procedures in this document may involve working with lead-acid, storage-type batteries. Batteries of this type present a chemical hazard, electrical shock hazard, and hydrogen gas hazard.

## **Dangerous Voltages and Current**

Procedures in this document may involve working with electrical circuits carrying high voltage and high current. There is a danger of electrical shock leading to personal injury or death.

Because dangerous voltages and current may be present even after power is disconnected, always allow sufficient time for components to discharge before touching.

Never insert objects of any kind through openings in the equipment. Conductive foreign objects could produce a short circuit that could cause fire, electrical shock, or equipment damage.

Prior to performing maintenance, remove rings, watches, and other metallic objects that may cause electrical shock or burn hazards.

## **RF Energy**

This equipment generates, uses, and can radiate RF energy and, if not installed and used properly, may cause personal injury or death.

## **ESD Protection**

Ensure that proper ESD equipment is used to avoid damage to circuit cards, modules, and other electronic components.

## **Do Not Service or Adjust Alone**

Do not attempt internal service or adjustment of equipment unless you are qualified to perform these actions. You must be accompanied by someone capable of rendering aid and resuscitation.

## **Avoid Contact with Rotating Fans**

Use care to prevent external fans from taking in foreign objects, including hair and clothing. Avoid contact with moving fans in the equipment shelves.

## **Use Care in Handling Equipment**

Use care when sliding equipment out of racks. Rack-mounted equipment can be unstable. The equipment may be heavy. Use care when installing and lifting racks or components.

## Safety Instructions

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Installation must be in accordance with the National Electrical Code.

## Output Power

Power output listed is conducted. Users and installers must be provided with appropriate antenna installation instructions and transmitter operating conditions, including antenna co-location requirements of §1.1307(b)(3), for satisfying RF exposure compliance.

## Antenna Mounting

This equipment qualifies for both Non-building-mounted and Building-mounted antenna categories as defined in 1.1307.

### Non-building-mounted Antennas

The antenna(s) used for this transmitter must be fixed-mounted on outdoor permanent structures. RF exposure compliance is addressed at the time of licensing, as required by the responsible FCC Bureau(s), including antenna co-location requirements of §1.1307(b)(3).

### Building-mounted Antennas

The antenna(s) used for this transmitter must be fixed-mounted on outdoor permanent structures with a separation distance of at least 6 meters from all persons during normal operation. The peak conducted output power at each antenna terminal must not exceed 20 W and the peak radiated output power must not exceed 800 W EIRP.