

A grayscale photograph of a construction site. A large tower crane is positioned on the left, with its long jib extending across the top of the frame. In the center, a satellite dish is being lowered by a crane. The background shows a multi-story building under construction, with its concrete frame and scaffolding visible. The sky is a uniform, dark gray.

IS YOUR FACILITY CODE-COMPLIANT?

**Bi-Directional Amplifiers & Distributed Antenna Systems
In-Building Signal Booster Communication Solutions**

BEARC  **M**®
Always On

When you work with **BearCom**, you're partnering with a nationwide wireless solutions provider who knows your industry and has the solutions you need to be successful. The BearCom Technical Services Group includes more than 150 highly knowledgeable, highly skilled wireless industry professionals, many of whom hold advanced engineering degrees. We work with you every step of the way to create a solution that fits your budget and meets all required codes.

Crack the Code to Compliance

How BearCom Can Help

Planning and deploying a compliant in-building communications system is a challenge. That's why hundreds of organizations every year choose BearCom for signal booster systems that are effective and compliant.

Our team is well-versed in both federal and local public safety communications coverage regulations, and we've successfully designed and deployed systems within manufacturing plants, school campuses, office complexes, distribution centers, public venues, airports, and more. Count on us to handle every aspect of integration and installation, including providing complete two-way radio coverage for first responders, as well as enhancing your own team's radio communication systems.

Did you know?



Public Safety signal boosters must meet FCC guidelines, and often must comply with International Fire Code or National Fire Protection Association statutes.



IFC 510 requires 95% and NFPA 72, Chapter 24 requires 90% in-building wireless signal coverage.



In addition, NFPA requires 99% wireless signal coverage for critical areas like fire pump rooms, exit stairs and passage ways, and elevator lobbies.



Coverage must be tested in a 20-grid or 40-grid process with a public safety radio.



Equipment supporting public safety radio systems must be able to operate up to 24 hours on a backup battery.



BDAs must work in high heat and humidity, and withstand direct water spray from a fire hose.



Minimal signal strength of -95 dB for two-way radios.



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BearCom in Action

The BearCom team has deployed hundreds of DAS and BDA solutions every year in facilities across the public, commercial, and industrial sectors. Examples:

- **Hospital Campus:** At one of the nation's largest care and research facilities, multiple buildings had designated "clean areas" that did not allow installation of cabling or equipment. BearCom met the challenge and successfully deployed a system that boosted signal strength across seven buildings.
- **Refinery:** The blast-proof building had no access between floors and did not allow two-way radio signals from the inside to the outside. BearCom analyzed radiation patterns and used ceiling antennas to install a compliant BDA system.
- **High School.** The local fire marshal determined there was insufficient radio coverage so BearCom achieved compliance by installing two BDAs that deliver a strong RF signal to each side of the building.
- **Major Manufacturer.** After installing MOTOTRBO™ two-radio systems across their facilities, as operating environments evolve, BearCom continues to design and install BDAs to improve safety and efficiency.
- **Twin Office Buildings:** Declared out of compliance with current coverage requirements, a 2-building, 18-story financial services headquarters relied on BearCom to integrate a BDA that met requirements for both buildings and worked within their existing system.



3 Reasons Why You Need a BDA from BearCom



Peace of Mind

BearCom solutions ensure your signals are strong enough for first responders to communicate in an emergency.



Expertise

BearCom successfully deploys hundreds of IFC, NFPA, and FCC compliant systems each year.



Customization

BearCom creates customized solutions that fit your needs and budget while meeting public safety code requirements.



For a FREE consultation on how we can solve your BDA/DAS solutions to stay safe, call our BearCompliance Hotline today at **844.883.8904**. Or, request a site walk.



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