



JDRM Engineering, Inc.

**FIRST RESPONDER
RADIO TESTING
AND
IN-BUILDING RADIO
AMPLIFICATION
DESIGN**

**Does this radio work in
YOUR building?**

Our testing systems, performed by certified and licensed staff will find out — BEFORE an emergency occurs. JDRM Engineering will test the radio transmissions *USED BY YOUR EMERGENCY SERVICES PROVIDERS*. A complete report that is easy to read and understand will be provided to you.

Your building can obtain reliable, code-compliant uninterrupted radio coverage with the help of our professionals.



Steven C. Wheeler, RCDD
Tom Rawlings, RCDD, ESS
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RF In-Building Distribution Solutions Certified Professional

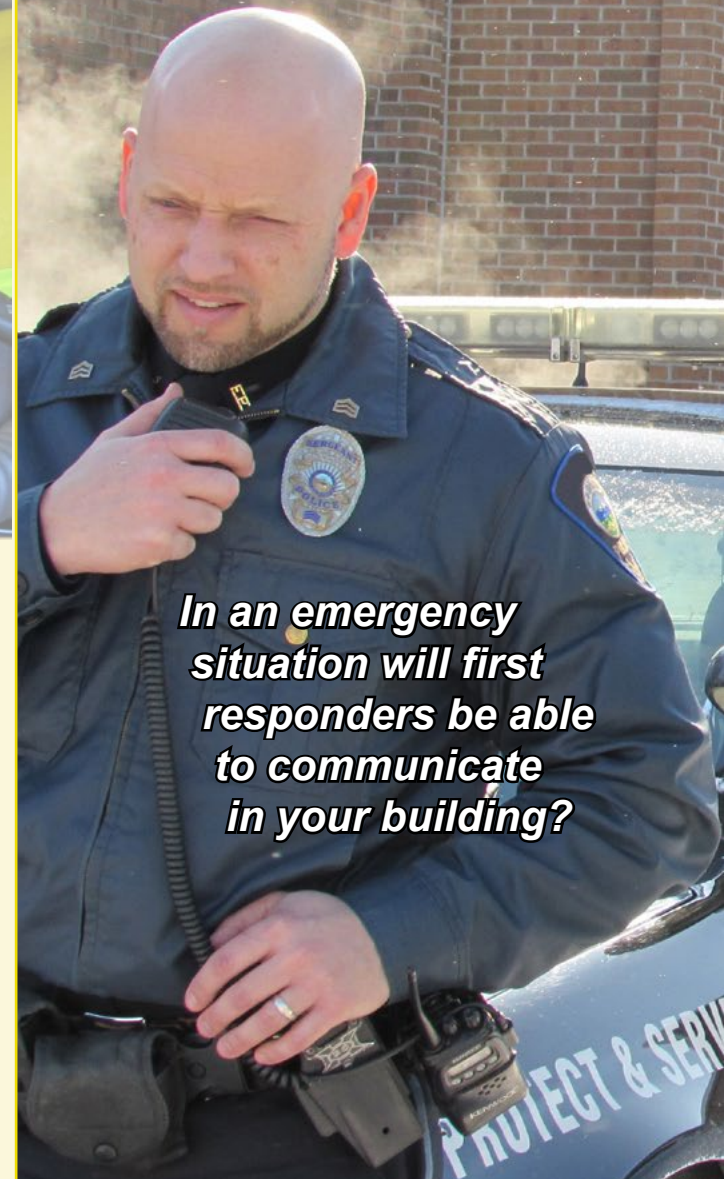
An RCDD is a Registered Communications Distribution Designer. This credential is achieved by passing a comprehensive exam after meeting industry experience requirements, maintained through stringent continuing education, and administered through BICSI, the worldwide professional association supporting the information transport systems (ITS) industry.



JDRM Engineering, Inc.

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**EMERGENCY
RESPONDER
RADIO COVERAGE
TESTING & DESIGN**



In an emergency situation will first responders be able to communicate in your building?

RADIO COMMUNICATIONS

If emergency radio signals can't get through your building, everyone is in peril. Buildings without adequate radio coverage endanger public safety personnel responding to an emergency. Communication failure impacts the emergency responders assessments, placing occupants in harms way.

There is a way to enable radio signals to transmit through facilities. FCC approved "signal boosters" along with Distributed Antenna Systems (DAS) enhance building communications.

JDRM SERVICES

- Independent third party testing.
- Specialized testing equipment
- Strategic partnerships can provide turnkey solutions and possible financial assistance.
- Uplink and downlink signal strengths measured and documented for all frequencies.
- Signal Strength Report - including recommendations.
- Record keeping in accordance with codes.
- Local emergency personnel and base station coordination.

CODE REQUIREMENTS

Many U.S. fire jurisdictions and state building codes have adopted requirements for in-building public-safety radio coverage.

Ohio Building Code 915:

"Emergency responder radio coverage shall be provided in all new buildings in accordance with **Section 510** of the Ohio fire code."

510.2

95% of the building is required to achieve:

- -95dBm downlink
- -100dBm uplink (-95 dBm IFC)

510.3

"Existing buildings that do not have coverage also must be equipped....."

The Ohio Fire Code Section 510 and NFPA 72 Chapter 24 outlines requirements for testing and In-Building Amplification to conform to this important requirement.

International Fire Code Article 510 and Michigan Building Code 915 have the same requirements.



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