

CITY OF MUSKEGO, WISCONSIN

CHAPTER 30 - BUILDING CODE

(Ord. #1170 - 05-06-2004)

30.24 EMERGENCY RESPONSE AMPLIFICATION

1. GENERAL

Except as otherwise provided, no person or organization shall maintain, own, erect or construct any building or structure or any part thereof or cause the same to be done which fails to support adequate radio coverage to public safety service workers, including but not limited to firefighters and police officers. For purposes of this section, adequate radio coverage shall include all of the following:

- A. A minimum signal strength of two (2) microvolts (- 101 dBm) available in 95% of the area of each floor of the building when transmitted from the Public Safety Radio Communications System; and
- B. A minimum signal strength of one (2) microvolts (-101 dBm) received at the Public Safety Radio Communications System when transmitted from 95% of the area of each floor of the building.
- C. The frequency range which must be supported shall be 866.000 to 869.000 MHz from the Trunked System Communications base stations, and 821 to 824 MHz to the Public Safety Radio Communications base stations.

2. TESTING PROCEDURES.

- A. Initial Tests. Initial tests will be performed by public safety employees or their designees. A Certificate of Occupancy shall not be issued to any structure if the building fails to comply with this section.
- B. Annual Tests. Annual tests will be conducted by the Fire Department in conjunction with inspection procedures.

3. AMPLIFICATION SYSTEMS ALLOWED.

Buildings and structures which cannot independently support the required level of radio coverage shall be equipped with any of the following in order to achieve the required adequate radio coverage: a radiating cable system or an internal multiple antenna system with or without FCC type-accepted signal booster amplifiers as needed. If any part of the installed system or systems contains an electrically powered component, the system shall be capable of operating on an independent battery and/or generator system for a period of at least twelve (12) hours without external power input. Any battery system employed shall automatically recharge in the presence of an external power input. In the event that a signal booster is employed it shall be fully encased within a dust and water resistant case.

4. FIELD TESTING.

Police and Fire Personnel, after providing reasonable notice to the owner or his representative, shall have the right to enter onto the property to conduct field testing to be certain the required level of radio coverage is present.

5. EXEMPTIONS. This section shall not apply to: buildings permitted in residentially zoned areas. For purposes of this section, basements, parking structures and stairwells are included in the definition of "all parts of a building" but elevators may be excluded.