



FIRE DEPARTMENT - CLASS 1 • FIRE AND ENVIRONMENTAL PROTECTION DIVISION
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EMERGENCY RESPONDER RADIO SYSTEM ANNUAL TESTING AND INSPECTION REQUIREMENTS

The following testing and inspections are required annually for all Emergency Radio Responder BDA/DAS systems operational within the City of Mountain View. (All tests shall be conducted and signed by a person in possession of a current FCC General Radio/Telephone Operator license, or a current technician certification issued by a nationally recognized organization, school, or a certificate issued by the manufacturer of the equipment installed):

1. Perform in-building coverage testing as outlined in California Fire Code Section 510.5.3.
2. Check Signal Booster Gain(s) and document any difference from the system's initial installation.
3. Check RF spectrum for harmful noise generation and/or spurious emissions/system oscillation.
4. Verify backup power system functionality and run time. Backup batteries and power supplies shall be tested under load of a period of one (1) hour to verify that they will properly operate during an actual power outage. If, within the one (1) hour test period, the battery exhibits symptoms of failure, the test shall be extended for additional one (1) hour periods until the integrity of the battery can be determined.
5. Check all active components for functionality as per manufacturer's specifications.
6. Verify system operational frequencies which include all currently required City of Mountain View Public Safety Radio Channels as listed in the DEFERRED SUBMITTAL REQUIREMENTS—EMERGENCY RESPONDER RADIO COVERAGE SYSTEM document.
7. Verify BDA/DAS alarm monitoring and enunciation is operational.

Upon completion of testing, a detailed report verifying compliance shall be submitted to the Fire Department.

Reference: California Fire Code Section 510.6.1