

Public Safety Distributed Antenna System (DAS) Requirements

- A spectrum analyzer must be used to test radio signal strengths within the building
- Signals must be a minimum strength of -95 dBm
- Coverage must be at least 95%
- Testing areas to be broken into approximately 20 equal grids
- No more than two adjacent areas may fail the spectrum analysis
- Test must be conducted in the center of each area
- Building must be completed with furniture/stock installed prior to testing
- Public Safety radio boosters must be approved, certified, and registered with the FCC and St. Louis County ECC.
- Minimum system designer and installer qualifications include: valid FCC-issued general radio operators license and certification of in-building system training issued by a nationally recognized organization, school, or a certificate issued by the manufacturer of the equipment being installed.
- The system must be maintained 24-7-365 and shall be inspected annually along with sprinkler and fire alarm systems. During annual inspection, testing of the boosters, gain, batteries, and power supplies must take place as well as testing of all active components.