ST. LUCIE COUNTY FIRE DISTRICT
OFFICE OF FIRE MARSHAL

Telephone: **(772) 621-3400**
Telephone: **(772) 621-3322**
Fax: **(772) 621-3604**

Radio Signal Strength Pre-Acceptance Test

1. Reference NFPA 1221 (2019 edition) and Florida Fire Prevention Code (8th edition) for requirements.
2. Radio signal strength tests will test SLCFD 800MHz.
3. In all new and existing buildings and structures, a minimum radio signal strength of –95dBm shall be maintained and sufficient to provide not less than a delivered audio quality (DAQ) of 3.0.
4. The following phases of construction must be completed prior to testing:
    - Flooring, ceilings, walls, windows and doors (including door hardware and door windows)
    - Elevator (fully operational)
    - Construction debris/items removed or minimized
5. Contact St. Lucie County Department of Public Safety – Information Systems Coordinator (Craig Montgomery - montgomeryc@stlucieco.org) for control channels and tower locations.
6. Complete the Building Plan Review and Fire Safety Permit application at https://slcfd.com/182/Applications-Permits with RF grid test included.
7. For RF grid tests that meet or exceed code requirements, the Radio Signal Strength Pre-Acceptance Certificate of Compliance must be submitted.
8. For RF grid tests that do not meet or exceed the code requirements, a DAQ validation test must be scheduled through the Fire Marshal's office.
9. Upon evaluating the submitted test, the St. Lucie County Fire District will make final determination as to whether or not a system is required, in accordance with the currently adopted Florida Fire Prevention Code.
10. Where a Two-Way Radio Communications Enhancement System is required, a separate permit application must be submitted for plan review.

Radio Signal Strength Pre-Acceptance Test Certificate of Compliance

Project Name:_____

Project Address:_____

Design Professional Engineer of Record:_____

Test Date and Time:_____

(Testing for compliance and certification shall be performed after construction and interior finishing work is complete)

I certify that the occupancy identified above was tested for St. Lucie County Fire District public safety radio systems radio RF coverage levels and meets the requirements set forth in the currently adopted Florida Fire Prevention Codes for Two-Way Radio Communications Enhancement Systems. I further certify that the building was tested in accordance with the provisions set forth in the currently adopted version of the Florida Fire Prevention Codes and to the best of my knowledge, information and belief, the radio RF coverage levels for this occupancy meet or exceed those required by the current adopted version of the Florida Fire Prevention Code.

Professional Certification: I hereby certify that these documents were prepared or approved by me, and I am a duly licensed Professional Engineer under the laws of the State of Florida,

License Number _____, Expiration Date: _____.

Respectfully submitted,

_____

Signature and Seal of Design Professional Engineer of Record Date