

Wireless assemblies using Applied's 902 to 928 MHz RF Modules fall under the FCC's Part 15 "unlicensed" regulations. However, the products will still require FCC "Certification" under Part 15 of the regulations. This is not a difficult process when properly prepared. This application note has been developed to help familiarize yourself with the process to enable you to anticipate the requirements, cost and time frames associated with the process.

The general process is as follows:

1. Download FCC Part 15 regulations from the FCC at www.fcc.gov
2. Determine the specific part of the FCC requirement the product will be evaluated against.
3. Pre-Screen production-ready prototypes.
4. Lab Test at Authorized Testing Facility.
5. Apply for FCC Identification.
6. Receive FCC Identification and apply to all units.

The certification process will result in an FCC ID code issued for the product. This ID must be placed on all units manufactured along with text approved by the FCC.

The Process

1. Obtain FCC Part 15 regulations

Download per above instructions.

2. Determine the specific Part of the FCC requirement the product will be evaluated against.

Products using Applied's 902 to 928 series RF Modules will fall under Part 15.249 of the FCC regulations. In this frequency range a product is allowed to transmit any analog or digital signal as long as the power radiated, harmonics and bandwidth requirements are met.

3. Pre-screen production-ready prototypes.

Evaluate these units against the FCC requirements. Calibrated antennas and a spectrum analyzer are needed for measurements.

4. Lab test at authorized testing facility.

Send unit to an authorized FCC testing facility. They will evaluate the product against the FCC requirements, prepare a report, and submit it to the FCC. It is preferable to have an engineer on hand during testing in case modifications need to be made. It can avoid a second round of testing.

5. Apply for FCC Identification.

As mentioned above, the testing facility will probably submit the report directly to the FCC. The approval process there should take between 30 and 60 days.

6. Receive FCC Identification and apply to all units.

The label will contain a unique ID code for a specific product.

It must be permanently attached to the product and must follow the format of Parts 2.925, 2.926 and 15.19

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