

Subject: FCC modular certification guidelines for

Wi.FS24-100-ST

FCC ID# TFBFREESTAR

This guidance is for customers integrating the Radiotronix Wi.FS24-100ST radio module into their end application. The FCC requires testing for both Intentional and Unintentional Radiation from the final product configuration.

Intentional Radiation:

This is a PCB / Product that is designed to Radiate or Transmit RF Energy for the purpose of Wireless Communication.

The Wi.FS24-100-ST module above fall in this category and it is approved with the FCC/CE ID Number.

Unintentional Radiation

This is a single PCB or a combination of PCB's / Final Product that inherently and unwillingly transmits RF Signals.

Any digital PCB with a Processor will unwillingly transmit RF Energy.

The Wi.FS24-100ST module meets the FCC/CE Limits and has been certified as a Module.

It has a FCC/CE Certified ID Number and as long as the customer follows the instructions provided, the customer may use the FCC/CE ID Number as demonstrated conformity.

However, because the Module may be used in a multitude of applications, the customer is responsible for the Unintentional Emissions of the final product.

Simply put, the user of the Radiotronix FCC/CE certified module must ensure that the application that they are putting the radio into is already compliant for Unintentional Emissions (without the radio even being inside the application). This is usually done by being able to provide proof of this and can be obtained from all certification labs.

Requirements of the manufacturer Summary

In summary, the manufacturer must perform the following;

- 1) Test the final product, with the Wi.FGS-24-100ST Module for General Radiated and Conducted Emission Limits.
- 2) Label the product with the following wording... (Contains: FCC ID: xyz-abcdef)

The OEM of the Module is not responsible for conformity.

The module already conforms. Therefore, this statement should read...

“The manufacturer implementing the Module for use must test their final product application for Unintentional Conducted and Radiated Emissions.” This is done by being able to show that their final application that the radio is going into already meets these standards.

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