



Modular Transmitter Approval Request

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Company name: Cambridge Industries USA., Inc.
FCC ID: SFK-802W

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v01r04'. FCC ID SFK-802W has been examined against the following requirements.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v01r04'	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	Radio Module has a single cover which covers all radio components except U.FL connectors and antennas.
The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	The data interface with the LAN module is standard 802.3 GigE. It complies with part 15.
The module must contain power supply regulation on the module	The power subsystem is contained on the module. 5v in either comes from the LAN host or mini-USB if the module is configured as a standalone product.
The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	The module has its own housing and internal cabled antennas. No other antennas are marketed with the device. Antenna connectors are not accessible.
The module must demonstrate compliance in a stand-alone configuration	The WF-802-W is a stand alone configuration and how the device was tested.
The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	The Module has a label on the PCBA with the FCC ID SFK-802W
The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee	The module with integrated antennas complies with FCC 15.247 and 15.407
The module must comply with RF exposure requirements	The module with integrated antennas complies with FCC 1.1310 and 1.1307(b)

Name: John R. Martin

Date: September 12, 2017

Title: Director, Wireless Access Engineering

Signature of applicant: _____

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