

July 20, 2018

Elite Electronic Engineering  
1516 Centre Circle  
Downers Grove, IL 60515  
USA

Re: Permissive change to FCC # U90-SM220 (Synapse IEEE 802.15.4 Radio Module SM220UF1)

We, Industrial Scientific Corporation, request the following consideration:

Please consider our request to reissue an FCC certification number to Synapse SM220UF1, FCC ID# U90-SM220 originally issued on 9/19/2014 and revised on 4/26/2017 to the new PHH-SM220 to address the original FCC Grant comments regarding co-location of this transmitter with other transmitters.

The SM220UF1 is being co-located with an NFC, Bluetooth Low Energy WiFi and Cellular transmitters when used in the Industrial Scientific RGX Gateway. Industrial Scientific Corporation is providing additional test documentation to demonstrate the operation of the SM220UF1 is not adversely affected and continues to operate as intended when used in the RGX Gateway.

Other than being co-located, the SM220UF1 radio module is not being altered in any way from its original conditions of usage as defined in the manufacturer's original data sheet and substantiated in the original FCC grant. As such we believe the original test results, including RF exposure, used to obtain the original grant continue to be representative of the demonstrated compliance of the SM220UF1 to FCC requirements.

If you have any questions, please do not hesitate to contact me regarding this request.

Sincerely,

Bob Kuzmich  
Principal Certification Specialist

**INDUSTRIAL SCIENTIFIC CORPORATION**

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