Date: December 21, 2016

Timco Engineering, Inc.
849 NW State Road 45
P.O. Box 370 Newberry,
Florida 32669

RE: Declaration of Module Co-location Prevention in Hub

FCC ID: 2AKAAA01SG100

IC Certification Number: 22125-A01SG100

To Whom It May Concern:

This letter is to declare that the co-location restrictions from the equipment authorizations of the two pre-certified modules (*FCC ID: RI7HE910/IC: 5131A-HE910* and *FCC ID: XF6-RS9113SB/IC: 8407A-RS9113SB*) installed in the Hub device are being observed in normal operation.

The algorithm used to prevent simultaneous transmissions is that the Hub device schedules all RF transmissions throughout a Guardian Bin Monitoring Remote System (which consists of one Hub device and multiple Transmitter devices). The transmission schedule is calculated based on the report interval and the number of Transmitter devices to be within limits that satisfy the schedule. The schedule is also calculated based on the requirement that the two pre-certified modules are operating in a mutually exclusive manner, meaning that only one module is to be enabled and in operation at any given time.

This algorithm ensures that:

When the Cellular Module is enabled and in operation:

- The WiFi Module is disabled and not in operation and,
- The BLE radio and the LoRa radio are not transmitting

When the WiFi Module is enabled and in operation:

- The Cellular Module is disabled and not in operation and,
- The BLE radio and the LoRa radio are not transmitting

Furthermore, because the schedule is calculated by the embedded software, there is no direct access by the end-user or installer to manually or accidentally configure a transmission schedule which violates the co-location restriction of each module.

Sincerely,

Tim Strydhorst

Tim Strydhorst

Manager-Research & Development

Ag Growth International
198 Commerce Drive
Winnipeg, Manitoba
Canada R3P 0Z6

P 204.489.1855 | **F** 204.488.6929 | ***aggrowth.com***