



CyTerra

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Federal Communications Commission
PO Box 429
Columbia, MD 21045

Date: September 1, 2017

Dear Sir or Madam:

The following information addresses the requirements to support a limited modular approval as required by FCC Part 15.212, Modular Transmitters.

- i. The High-Flying HF-A11-SMT 802.11 Wi-Fi module ("Module") transmitter section is shielded and testing has been performed to ensure compliance when installed in the Host.
- ii. The Module does not have external modulation inputs. The RF section is driven by an on-board MCU which controls the RF data lines and does not allow excessive modulation.
- iii. The modular transmitter has its own power regulation, and the Module will be integrated into a Host that also offers power regulation.
- iv. The Module utilizes an antenna mounted externally to the shielded Host device enclosure, and testing has been performed to ensure compliance. The Module is attached to the antenna during Host assembly and the connectors are not accessible to the end-user.
- v. The Module was tested with a Host, and will always be integrated into a Host. The Host is nominally battery operated, but includes an optional external power supply that includes a ferrite bead on its output. No other power supply is available for use with the Module.
- vi. The Module will be labeled as required, and the Host will also have the required labeling.
- vii. Operating requirements are included in the Host technical manual.
- viii. Measurements are provided to demonstrate RF compliance. The RANGE-R2D LINK, which acts as the Host for the Module, has been tested with the Module for compliance and documented through the original certification process.

Sincerely,

Name: Donald C. Wright

Title: Director, Location & Surveillance Programs

Signature:

Date:

Donald C. Wright

01 September 2017