



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

Date: September 1, 2017

Dear Sir or Madam:

L-3 Technologies CyTerra respectfully requests confidentiality of certain materials provided with the submission of the High-Flying HF-A11-SMT Wi-Fi module under FCC ID: YKD-25STW4100-029 in accordance with FCC Regulations 47CFR 0.457(d) and 47 CFR 0.459. The confidentiality request applies to the following exhibits:

- 72126853 – Schematics.pdf
- 72126853 – Block Diagrams.pdf
- 72126853 – Theory of Operation.pdf

L-3 Technologies CyTerra developed the RANGE-R 2D LINK that utilizes the High-Flying HF-A11-SMT Wi-Fi module at considerable effort and expense and the data contained in these exhibits are considered Trade Secrets. Public access to the proprietary material could possibly result in duplication of equipment that would severely damage the company's business advantage.

I appreciate your assistance in this matter.

Sincerely,

Name: Donald C. Wright

Signature:

A handwritten signature in black ink that reads "Donald C. Wright".

Title: Director, Location & Surveillance Programs

Date:

06 September 2017



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Federal Communications Commission
PO Box 429
Columbia, MD 21045

Date: September 6, 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-0 802.11 Wi-Fi module (FCC ID: YKD-25STW4100-029) (herein called the "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

Signature: 

Title: Director, Location & Surveillance Programs

Date: 06 September 2017