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

Date: September 19, 2017

Dear Sir or Madam:

This letter highlights the differences between the L-3 CyTerra RANGE-R2D (YKD-25STW4100-019) and RANGE-R2D LINK (YKD-25STW4100-019 with YKD-25STW4100-029) sensors and enumerates changes made to the RANGE-R2D since the initial approval.

The differences between the RANGE-R2D and RANGE-R2D LINK sensors are: 1) an internal wiring harness that connects the DSP circuit card assembly (CCA) to and enables the Wi-Fi module (YKD-25STW4100-029) mounted to the power supply CCA, 2) an externally mounted Wi-Fi antenna that attaches to the Wi-Fi module and 3) an external power input connector. Internal circuit cards and installed software are identical in both sensors.

Since initial approval, L-3 CyTerra updated the RANGE-R2D design to 1) replace obsolete parts with drop-in compatible replacements, 2) simplify the power regulation subsystem, 3) remove vestigial unused components, 4) optimize receiver by adjusting attenuator values and op-amp gains and 5) provide for mounting the Wi-Fi module. L-3 CyTerra made no changes to the RF characteristics of the sensor transmitter; all RF characteristics, including occupied bandwidth and output power, remain as originally approved.

Sincerely,

Name: Donald C. Wright

Signature:

Title: Director, Location & Surveillance Programs

Date:

10/13/17