Request for a modular approval

Dear Application Examiner,

The Red.com module Model: RedLink is seeking FCC authorization as a modular transmitter. The requirement of the FCC 15.212 are met.

The following requirements are fulfilled:

1. The modular transmitter must have its own RF shielding

The radio portion of the module is contained in its own RF shielding; See external photos.

2. The modular transmitter must have buffered modulation/data inputs

There is a TICC2530 microprocessor on the board that collects the information from the digital data collection module and sends this stream to the RF transmitter; see TI_CC2530_Microchip Datasheet.pdf.

3. The modular transmitter must have its own power supply regulation

There is a TICC2530 microprocessor on the board that controls the digital core power by a 1.8-V low-dropout voltage regulator; see TI_CC2530_Microchip Datasheet.pdf.

4. The modular transmitter must comply with the antenna requirements of Section 15.203, 15.204(b) and 15.204(c)

The antenna has a short cable with a U.FL connector at one end. The antenna will be provided with each module.

5. The modular transmitter must be tested in a stand-alone configuration

The EUT was tested in a stand-alone configuration. The controller board that it is connected to is for collection of data only; see test report.

6. The modular transmitter must be labeled with its own FCC ID number

The EUT will be labeled with its own FCC ID number. When the module is installed inside of an end-product, the label will not be visible. The original equipment manufacturer will use this modular transmitter only in their own products and will not offer it for use in a third party product; the OET will apply the exterior label stating "Contains FCC ID: YGA003"; See 3 Host Label Example.pdf

7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

The EUT is compliant with all applicable FCC rules. Detail instructions are given in the Users Guide.

Comprehensive Integration Instructions

This module will not be available for third party use. The original equipment manufacturer will use this in their own products only.

Software Control

User can not change the code because the RedLink code is embedded in the camera code and valid updates for the camera code require special public/private key to create. Only the build server behind RED firewalls has the keys and can create such builds.