November 7, 13

FEDRAL COMMUNICATIONS COMMISIONS
Authorizations and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

Subject: Modular Approval Requirements Statement in Accordance to DA 00-1407

To whom it may concern:

We, **Sensity Systems**, the undersigned, hereby request a grant of modular approval for this device as the design is intended to be used in conjunction with our commercially available lighting products. This device is designed to allow for end user control, provide measurement and monitoring of the clients lighting network.
We, **Sensity Systems**, also state the following statements of conformity to the application of Modular Approval for product **LSNM-0001-A,** under Grantee Code **SXN.**

1) The modular transmitter used in product LSNM-001-A has an integrated wireless module chip provided by manufacturer Taiyo Yuden with manufacturing part # WYSBMVGX4. This part has been verified by both manufacturer (Taiyo Yuden) and integrator (Sensity Systems) to have its own RF shielding with no additional coupling.
2) This modular transmitter does not have buffered modulation/ data inputs as it does not apply to this application/ design.
3) The module has two dedicated power supplies, regulating power to the transmitter. Power regulation is performed via a 3.3 - 1.8vDC (U15) and a 5 - 3.3vDC (U6) converter.
4) Under modular approval guidelines, we claim to meet the outlined requirements as having a 'unique connector' due to the following conditions:
    a. Transmitter module antenna utilizes a RP-SMA (reverse SMA) connector.
    b. Cable connections utilize an RP-SMA connection to both the transmitter module and secondary antenna.
    c. Internal antenna utilizes an RP-SMA connection
    d. External antenna cable utilizes an RP-SMA to RP-N Type connector
    e. External antenna utilizes and RP-N Type connector

5) Transmitter module is not dependant to the enclosure housing and does not rely on such for additional shielding or power. The module is designed to be powered independent of the packaging enclosure and will meet the AC line testing requirements per Section 15.207.
6) Upon Modular Approval application acceptance, the transmitter module will contain the following to comply with the labeling requirements. Refer to document FCC_Label_Example document for proposed label formats.
    a. PCB containing the transmitter will be labeled with the appropriate FCC logo and FCC ID.
    b. Module packaging enclosure will contain a label stating "Contains FCC ID: ABCXYZModel1"; along with company identification information.
7) No special operating requirements are required for product **LSNM-0001-A**.
8) Upon completion of testing, data will verify product operates within the specified RF exposure levels.
   This application is not designed to be used as a Mobile Communication or Personal Communication Device; thus complying to sections 2.1091, 2.1093 is not required or tested against. However, this application is designed and tested in accordance to FCC Part 15 Sections 15.3.19(i), 15.407(f), 152.53(f), 15.255(g) exposure requirements.

Regards,

Christopher Hizer
HW Engineer
Sensity Systems
480 Oakmead Parkway
Sunnyvale, CA 94085