FCC ID:NIRCD611LC

August 5, 2014

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland21046

COVER LETTER.

Dear Sir/Madam,

Shanghai Qiangling Electronic Co Ltd(SQL) pursuing FCC Certification under the FCC Part 15.247 for the Remote Wireless LED Lamps, models CD611LCand CD411LC, FCC ID:NIRCD611LC. Both models utilize the same PCB JXL1375B, using the same Radio Chip from NXP , the PCB trace antenna design is the same, all surrounding and supporting components are the same. The difference is only the shape of the lamps 6" versus 4" in diameter. SQL is the manufacturer of the products and components for Technical Consumer Products Inc. (TCP) and is in possession and control of the equipment that produces the materials distributed by TCP.
The CD611LC and CD411LCare 2. 4 GHz radio, 802.15.4 compliant with one antenna contained in 11 watt Remote Controlled Wireless LED type retrofit, downlight lamps.
The lamps have wireless transceiver that transmits and receives data over the air in the unlicensed 2.4 GHz band and powered by a LED lamp power driver, 120 V~. The wireless transceiver comprises a 2.4 GHz radio, modem, a baseband processor, a security coprocessor and PHY controller. The transceiver operation frequency band is 2405-2480 MHz, DSSS modulation type O-QPSK. The modem performs all the necessary modulation and spreading functions required for digital transmission and reception of data at 250kbps in the 2405 – 2480 MHz radio frequency band in compliance with the IEEE802.15.4 standard.

The PCB trace antenna's gain is nominally 1.1 dBi.

Sincerely,

CaiYihong
Manager of Technical Department
Shanghai Qiangling Electronic Co Ltd