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FCC ID:NIRLAS11LC

October 12, 2013

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

COVER LETTER.

Dear Sir/Madam,

Technical Consumer Products, Inc. pursuing FCC Certification under the FCC Part 15.247 for the Remote Wireless LED Lamps, models LAS11LC and LBR14LC, FCC ID:NIRLAS11LC .

LAS11LC is 2.4 GHz radio, 802.15.4 compliant with one antenna contained in 11 watt Remote Controlled Wireless LED type A19 lamp. LBR14LC is a second model that is similar to LAS11LC but contained in 10 watt Remote Controlled Wireless LED type BR30 Lamp. Both models have electrically and mechanically identical PCB. Radio for each model is exactly the same. The Power Electronics (driver) is exactly the same topology for both lamps.
The difference is: LAS11LC Lamp has 18 LEDs, LBR14LC Lamp uses 10 LEDs.
Both lamps have the same 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,

Leon Kogan
Technical Consultant
Global Certification Technologies, Inc.
on behalf of Technical Consumer Products ,Inc

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