



FCC ID:NIRRC223

December 18, 2012

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 CFL, model RC223 (TCP Cat. Item 60123), FCC ID:NIRRC223 .

This product includes 23W CFL and an IEEE802.15.4 standards-based wireless transceiver that transmits and receives data over the air in the unlicensed 2.4 GHz band and powered by a compact florescent lamp, 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,

A handwritten signature in black ink that reads 'Michael Briggs'.

Michael Briggs
TCP Compliance Manager