



DANA INNOVATIONS

July 23, 2014

Cover Letter for FCC application

The device, Model AM2SB5CC434, described in this document is an accessory to the AM.2, which is an inductive charger and protective sleeve designed for the iPad 2 Mini. The product can replace the short part of the sleeve with an active transmitter which has five buttons. The transmitter provides push buttons that work independently of the state of the tablet.

The AM2SB5CC434 is a battery-operated remote that can be handheld or mounted. It contains an FM transmitter and an antenna, which is not accessible to the user. It is used as part of an integrated lighting control system. The purpose of the RF communication is to transmit command signals to other devices that allow the triggering of system events.

The AM2SB5CC434 contains an integrated micro controller and transmitter with an internal oscillator at 3.9GHz. There is a second timing source on the IC that runs at 24MHz and is the clock for the MCU core. The MCU ensures all transmissions automatically cease within 5 seconds of a button release or within 5 seconds on the beginning of a transmission. The 12MHz crystal is used to calibrate the 3.9GHz oscillator, which is used to generate the carrier frequency. Modulation is FM, sometimes referred to as Frequency Shift Keyed (FSK), data at 62.5kbps. The antenna is permanently attached, and cannot be modified or replaced by the user since it is integrated in the printed circuit board.

We are seeking FCC 15.231 for Remote Control.

FCC ID: 2ACSDGC859167

Lucian Scripca

A handwritten signature in black ink, appearing to read 'Lucian Scripca', is written over a stylized, wavy line that starts from the 'Lucian' text and extends downwards and to the right.

Electrical Project Engineer