



Excellence in Compliance Testing

2320 Presidential Drive, Suite 101
Durham, NC 27703

October 18, 2016

ACS TCB
5015 B.U. Bowman Drive
Buford, GA 30518

Re: FCC ID: QZC-ELIR1

To Whom It May Concern:

The following Class II Permissive Change application is submitted on behalf of our client, Elster Solutions, LLC, for evaluation of their model ELIR1 for certification under FCC Part 15.247. The purpose of the CIIPC is as follows.

1.1 FW

Three of the five originally filed modes have been disabled using FW changes only:					
	EA Mode		NGC Mode		
Filing	35.55 kbps	142.22 kbps	50 kbps	150 kbps	200 kbps
Original	YES	YES	YES	YES	YES
Permissive Change	YES	YES	NO	NO	NO

1.2 HW

- A series antenna-matching component (radiated path only) was changed from 0Ω to 3 pF, C71.
- A series 0Ω in the power supply circuit was changed to a ferrite bead, FB7.
- A ferrite bead was added to pin J1A:10, FB6.
- A nylon standoff was added to support the antenna element, and holes added to the antenna and PCB to captivate the standoff.

The ELIR1 is a wireless light control module containing a frequency hopping spread spectrum (FHSS) radio operating in the 902-928 MHz ISM frequency band.

The output power and radiated spurious measurements were evaluated and was found to be in compliance.

Sincerely,

Sam Wismer
Vice President, Technology
Advanced Compliance Solutions, Inc.