Excellence in Compliance Testing

5015 B. U. Bowman Dr.
Buford, GA 30518

October 17, 2012

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

Re: FCC ID: SM6-HOTRODV2ML

To Whom It May Concern:

The following application is submitted on behalf of our client, Mueller Systems, for evaluation of their model AHRML-DL for certification under FCC Part 15.249 for a class II permissive change.

The purpose of this permissive change is to address component value and tolerance changes in the RF circuitry. An updated schematic is provided to document the changes.

The AHRML-DL remote meter reading transmitter is designed to allow the utility to receive data from water meters. The AHRML-DL collects data from the water meter register and transmits it via radio frequency (RF) to be collected by a mobile receiver. The AHRML-DL high power unit is designed for use with the specific meter pit and lid identified in this filing.

The AHRML-DL was tested in full to the requirements of the aforementioned rules, as applicable to the class II permissive change, and was found to be in compliance.

Sincerely,

R. Sam Wismer

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

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Changes Made For Class 2 Permissive Change

The following changes were made to the product and tested for a Class 2 Permissive Change:

1. Component reference C12 was changed from a 33pF 5% tolerance capacitor to a 33pF 1% tolerance capacitor.
2. Component reference C16 was changed from a 5.6pF ±0.25pF tolerance capacitor to a 5.1pF ±0.1pF tolerance capacitor.
3. Component reference C19 was changed from a 3.9pF ±0.25pF tolerance capacitor to a 3.3pF ±0.1pF tolerance capacitor.
4. Component reference C20 was changed from a 3.9pF ±0.25pF tolerance capacitor to a 3.6pF ±0.1pF tolerance capacitor.
5. Component reference L2 was changed from a 12.0nH 5% tolerance inductor to a 12.0nH 2% tolerance inductor.
6. Component reference L3 was changed from a 18.0nH 5% tolerance inductor to a 16.0nH 2% tolerance inductor.
7. Component reference L4 was changed from a 13.0nH 5% tolerance inductor to a 13.0nH 2% tolerance inductor.
8. Component reference L5 was changed from a 5.1nH 5% tolerance inductor to a 5.1nH 2% tolerance inductor.
9. The antenna length was changed from a length of 85mm ±0.2mm to a length of 84.5mm ±0.5mm