Mueller SYSTEMS

30 November 2009

Federal Communications Commission
Office of Engineering and Technology
Equipment Authorization Division
7345 Oakland Mills Road
Columbia, MD 21046

RE: Certification Application - Modular Request Attestation
FCC ID: SM6-MINODE-CI

Dear Application Examiner,

Mueller Technologies Mi.Node – C&I, FCC ID: SM6-MINODE-CI, would like to have your authorization as a modular approval. The requirements of FCC part 15.212 have been met and shown on the following statements.

1. "The modular transmitter must have its own RF shielding." The radio portion of this module has been shielded, please see exhibition External Photo.

2. "The modular transmitter must have buffered modulation/data inputs." The Mi.Node – C&I contains buffered data inputs; it is integrated in U7 (SN74LV07ADGVR) device.

3. "The modular transmitter must have its own power supply regulation." The Mi.Node – C&I is powered from a custom AC/DC switching supply to create a regulated 5V supply. A linear regulator is used to produce a local 3.3V.

4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(C)." The Mi.Node – C&I meets the FCC antenna requirements. The spurious emission, unique permanently connected antenna and photo of antenna are shown in the application exhibits.

5. "The modular transmitter must be tested in a stand-alone configuration" The Mi.Node – C&I was tested in a stand-alone configuration via a serial interface. Please see exhibit "Test Setup Photos".

6. "The modular transmitter must be labeled with its own FCC ID number." Please see exhibit "FCC Label" for the FCC ID of this module.

7. "The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements." The Mi.Node – C&I is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in the Users Manual.

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8. "The modular transmitter must comply with any applicable RF exposure requirements." The EUT is compliant with all applicable RF exposure requirements. RF Exposure is addressed in the exhibit "MPE Data".

Thank you for your attention to this matter.

Clayton Robert Barker III

Clayton Robert Barker III
Executive Vice President General Counsel