



June 1, 2007

CURRENT Technologies, LLC is applying for Part 15 Limited Modular Approval (LMA) from the Federal Communications Commission (FCC) for its CT S4e Meter board. The CT S4e Meter board is part of an Access BPL system. It combines traditional power meter functions with BPL signaling capability over the low voltage wires.

Pursuant to FCC document DA 00-1407, CURRENT Technologies is submitting the supporting documentation listed below for Part 15 Unlicensed Modular Transmitter Approval. The numbered requirements of DA 00-1407 are satisfied as shown below:

- 1) The S4e Meter module requires no additional RF shielding. It simply consists of a circuit board that is added to the L+G S4e electricity meter.
- 2) The S4e Meter module includes buffered data outputs to ensure no deviations from Part 15 limits can be caused from elements outside the module.
- 3) The S4e Meter module contains its own power supply, and also supplies regulated power to the electricity meter itself.
- 4) As the requested approval is for an Access BPL device, the S4e Meter module uses no antenna and the antenna requirements are not applicable.
- 5) The S4e Meter module is contained wholly within an L+G S4e model electricity meter. Given the in-situ nature of required emissions testing for Access BPL devices, the S4e Meter module was contained within an L+G S4e electricity meter for all testing. LMA approval is requested for the S4e Meter module contained only within this meter. For all testing, the meter was installed as per standard instructions with no ferrites or other special devices intended to limit emissions.
- 6) The outside of the meter itself is labeled as per the labeling instructions, document number 300-0000-0073, included as part of this certification application.
- 7) The S4e Meter module complies with all applicable rules when properly installed per meter manufacturer instructions.
- 8) The S4e Meter module only emits energy as an unintentional emitter and meets the emissions limits for unintentional emitters. These limits are well below all applicable RF exposure guidelines.

Enclosing the S4e Meter module within an electricity meter, allows normal electric utility metering operation practices to be used to ensure proper installation of the meter at all times. Electricity meters are always professionally installed and include tamper indicators to ensure that consumers may not remove or otherwise modify the installation. The detailed installation practice is shown in the meter installation procedure included as part of this certification application.

Respectively Submitted,

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