February 9 2009

Aclara RF Systems, Inc
dba Hexagram

23905 Mercantile Rd.
Cleveland, OH 44122
216-896-8536

Federal Communications Commission
Office of Engineering and Technology
Equipment Approval Services

RE : Application for obtaining a transmitter approval
Attached Application Form 731
FCC ID: LLB9845

Dear Sir or Madam:

Aclara RF Systems, Inc. wishes to obtain an approval for a telemetry transceiver (MTU) with the FCC ID LLB9845 [Class 2 changes]. The specifics of this transceiver: the LLB9845 transceiver is installed within a solid-state Landis & Gyr (L&G) "S-4" family of electrical meters. Previously, this transceiver [LLB9845] of Hexagram was approved by FCC. Lately, L&G S-4 electrical meter was advanced in performances and, therefore, the MTU had to be modified to match the electrical meter.
The differences in a current application include:

- 4-layer PCB
- A SAW filter is used at the receiver input
- Different version of MSP430 micro-controller, which has more memory & features for programming. All clocks and oscillators remain at the same frequency and levels.

Complete information about LLB9845 device is documented in the attached circuit schematics and photographs.

The LLB9845 transmitter was tested for conformance to the technical requirements of 90.201 Subpart I-General Technical Standards, as well as part 15 FCC rules. Results of tests are attached to this application. The LLB9845 was found to be in conformance with all technical requirements of 90.201 and part 15.

Sincerely,

Lazar Feldman
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