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Federal Communications Commission
Authorization and Evaluation Division

The purpose of this letter is to request modular approval of the Elster Integrated Solutions LLC, 2.4 GHz Communications Option Board, which operates as a spread spectrum transceiver in the 2400-2483.5 MHz ISM band under the provisions of FCC part 15.247.

To Address the specific numbered items of Public Notice DA 00-1407

1. The Option Board incorporates a shield over the entire wireless transceiver and is attached (soldered) to the printed circuit board. The bottom of the shield is enclosed by a copper plane that is part of the printed circuit board.
2. The Option Board transmitter incorporates digital buffers on the data inputs which are part of the transceiver IC. The peak modulation is set by the program that is stored within the transceiver IC. The data rate is set by the same stored program. For this reason, over driving the modulation input, or applying excessive data rates to the data input cannot occur.
3. The Option Board has its own power supply regulation. It receives power from the Host device connector. This is applied to a switching regulator to supply voltage to the board. For this reason, varying the source supply voltage cannot vary the transmit power, which is set and measured at the time of manufacture.
4. The Option Board antenna is an integral part of the copper plane on the printed circuit board and can not be changed.
5. The module was tested in a stand-alone configuration.
6. The Option Board has a label permanently affixed, to identify the module's FCC ID. A label will be provided for the Host device stating " This Device Contains FCC ID G8J ZGB1".
7. The Option Board complies and is certified for compliance with all of the applicable provisions of FCC Part 15.247 for digital modulation devices.
8. The Option Board is a low power (100 mW) device and operates with a low duty cycle. The Option Board has been demonstrated and certified to comply with the MPE RF exposure requirements.



Installation and operating instructions specify the required minimum distance from humans.

Sincerely,

A handwritten signature in blue ink that reads "Steve Bragg".

Steve Bragg
Sr. RF Engineer

Confidential