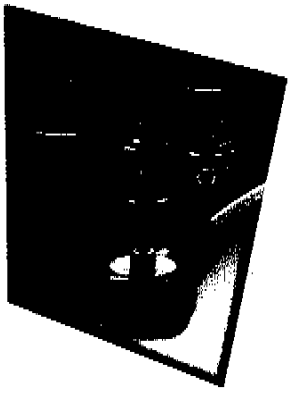
w i l c o x o n

Vibration Sensors and Accessories



Attn: Reviewing Engineer
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

RE: Compliance to 15.247 (a), (g), (h) by the Wilcoxon Research model number BLU 4-20 mA, BLM-XX series Bluetooth Transceiver Module

RE: Part 15.247 (a) (1) Requirement

The Wilcoxon, BLU 4-20 mA unit utilizes the Bluetooth frequency plan. The Bluetooth plan is implemented with a frequency hopping carrier with 1 MHz spaced, allocated channels. Each frequency hopped to is selected from a pseudorandom sequence that repeats every 23.3 hours. The sequence is designed to utilize each of the 79 channels equally on average. The system receivers are designed with an input bandwidth matches the hopping channel bandwidth of the corresponding system transmitters. The system receivers shift frequencies in synchronization with the corresponding system transmitters.

RE: 15.247(g) Requirement

The Wilcoxon BLU 4-20mA utilizes Bluetooth transceiver technology. It is designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream.

RE: 15.247(h) Requirement

The Wilcoxon BLU 4-20mA utilizes Bluetooth transceiver technology. It is not designed to coordinate with the hopping patterns of other frequency hopping systems for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters.

Marc Rody

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