



**May 24, 2005**

**FEDERAL COMMUNICATIONS COMMISSION**  
7435 Oakland Mills Road  
Columbia, MD 21046  
U.S.A.

**Subject: PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL**

**Applicant: Sensors & Software Inc.**  
**Product: pulseEKKO Pro HF 500**  
**Model: THF500**  
**FCC ID: QJQ-PE-PRO-HF500**

Dear Sir/Madam,

We request that this transmitter to be treated as a “modular transmitter” (outlined in DA 00-1407). It is our intention to use this transmitter in a number of products and believe that it meets the requirements of a modular transmitter as outlined below.

1. The transmitter has its own RF shielding and does not rely on any external shielding.
2. The data inputs to the device are buffered.
3. The transmitter circuitry employs its own power supply regulation.
4. With regards to the requirement of being permanently attached or employing a “unique” antenna coupler, 15.203 and 15.204(c), the module for which we are seeking approval incorporates both the transmitter and the antenna. The transmitter module including the antenna and will be sealed inside the products in which it is used so the user will not be able to modify the antenna. The product would have to be returned to the manufacturer to replace a defective antenna.
5. The transmitter was tested in its stand-alone configuration. All cabling connected to the device is standard cabling that employs ferrites and is provided with any product incorporating the module. The equipment and cable connected to the module during testing was our commercially available Digital Video Logger and Console and connecting cable.
6. A label will be attached to the module as shown in the labeling memo that is part of this submission. As well, a label stating “Contains FCC ID: QJQ-PE-PRO-HF500” will be attached to the product in which it is used.

7. All products incorporating the module will contain the instructions to the user required by part 15.509. These additions to all user manuals are given in the following document submitted with this application (Acknow 15525 Letter\_PE-PROHF500.pdf).
8. This device meets all RF exposure requirements.
9. The transmitter is a complete RF transmitter only requiring DC power and data inputs.

Yours truly,  
**Sensors & Software Inc.**

A handwritten signature in black ink, appearing to read 'A. P. Annan', with a long horizontal flourish extending to the right.

A. P. Annan, Ph.D., P.Eng  
President