TDK RF Solutions Inc.

Curtis-Straus LLC **December 6, 2001**
Attn: Jon Curtis
527 Great Road
Littleton, MA 01460

FCC ID: PXDGI00111092001
Applicant: Guardian Instruments (FRN:0005-0107-15)
Test Laboratory: TDK RF Solutions Inc. (formerly EMC Automation, *a TDK Group Company*)

Reference: TDKRFS Purchase Order - 875

Dear Mr. Curtis:

I have discussed your emailed comments with Mr. Gayhart concerning the certification of the Data Radio.

1. The label has the wrong FCC ID on it. The label says PXDGI00111092001 while the 731 form states PXDGI0011092001. Please send a new label exhibit files with the correct FCC ID shown in the drawing.

The necessary corrections have been made. The corrected label has been included.

2. Please provide information about the label location on the product.

We have modified the label so it fits on the bottom of the PCB of the Data Radio.

3. Please describe all wires connected to the transmitter during testing.

The wires connected to the transmitter supplied the necessary DC power and the I/O wires. They were over 1m in length and unshielded.

4. Please describe how the system integrator is informed of the requirement to put the label on the outside of the product and to put the warning statement about modifications into their user's manual. If changes to the user's manual are required to address this issue, please provide a new copy of the updated user's manual.

The manual has been modified. An updated copy has been included.

5. Please provide details of the label material and method of attachment. Per 2.925(d) the label must be "permanently attached" and last the expected lifetime of the product.

The label is made of Brady THT-49-423-10 permanent white polyester. It is attached using a permanent acrylic adhesive.

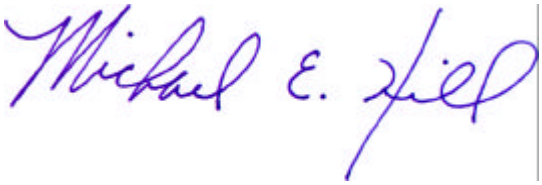
6. In the test report, Figure 3 preliminary test shows the unit right at the limit. According to your procedure this should have resulted in a final measurement at this frequency. We are unable to determine the emission level accurately enough from the graph. Please provide numerical value for this emission level.

For Figure 3, the peak measured value is 87.7 dBµV in the horizontal polariztion. It is 91.18 dBµV in the vertical polarization.

7. Please confirm that the emission level was maximized by rotating the device through three orthogonal axis.

The levels shown in the graph were maximized per the necessary requirements by rotating it through three orthogonal axes.

Sincerely,



Michael E. Hill, NCE
Test Facility Manager

ENCL: Corrected Label Drawings, Revised Manual