



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

May 9, 2002

RE: FCC ID: PX2002

Attention: Tom Tidwell - NEMKO

I have a few comments on this Application.

- 1 Please provide the FRN for Advanced Neuromodulation Systems, Inc. x
- 2 No FCC ID label information provided. The drawing of labels provided shows nothing about the FCC ID label. Please provide a drawing or picture of the actual label and show where this is to be placed ON the device. Please note that the programmer is large enough for the ID number and the two-condition statement required by 15.19 to be placed on the label on the device. x
- 3 No user information / manual was provided. Please provide the end user/installer manual with all of the appropriate Part 15 statements (e.g. 15.21, 15.105 statements). x
- 4 The schematics does not agree with the operational description, test report and block diagram. The schematic indicates that the device uses 100kHz as the modulating signal to the coil driver circuit. The operational and block diagram state 87.5 kHz. The actual measured frequency is 88.4kHz. Please correct the schematic to show the appropriate frequency. This includes identifying the frequency of the crystal X1 on the schematics. x
- 5 Please remember that 90kHz starts a restricted band (0.90-0.110 MHz). You must show compliance to 15.205 at 90kHz. The only emissions allowed in the restricted bands are spurious emissions. No part of the fundamental can be in this band. Since the device tested apparently operates at 88.4 kHz, it appears that part of the fundamental does in fact lie in the restricted band, thus making the device not compliant. It appears that at 90kHz the level is less than 10dB down from the peak. Since the occupied bandwidth measurements require – 26dB, the –10dB level at 90kHz clearly then places part of the fundamental in the restricted band. Please provide a corrected plot or new test data showing that no part of the fundamental or its occupied bandwidth lies in the restricted band. xxx
- 6 The antenna (air-wound coil) is not clearly identified on the schematics. While it can be assumed which component this may be, please clearly identify it as the antenna. x
- 7 Please note that no external photos have been provided. External photos are to show the outside of the device so as to identify all manual and/or automatic controls, buttons and other external properties of the device. Both top and bottom of the device must be shown.
- 8 Please provide internal photos of the device that show BOTH sides of all PCBs. Internal photos must also show keypads, switches and all other portions of the device. When viewed as a unit, external and internal photos MUST give a clear presentation of what the entire device looks like inside and out as it is manufactured.

Dennis Ward

<mailto:dward@AmericanTCB.com>

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the sender.