PCTEST®
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February 20, 2002

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Mr. Joe Dichoso

SUBJECT: Safe Environment Engineering
FCC ID: PZELLP2E-20
731 Confirmation No.: EA946379
Correspondence Reference No.: 21865
Request for Tech. Info.: 1/25/02

Dear Joe:

Transmitted herewith, on behalf of Safe Environment Engineering, is an amendment provided in response to the request for technical information dated January 25, 2002.

1. To show compliance with 90.203(g), the applicant provided the following statements. All programming is performed internal to the device. The device must be taken apart and a special cable attached to a header on the main controller board. This cable is manufactured specifically for internal use at Safe Environment Engineering and is not commercially sold. Accordingly, only technicians, engineers, or service/maintenance personnel have access to programming equipment.
   Access to the programming header is normally inaccessible to the operator and would typically involve destroying a product numbering bar code in the process, as well as, fully dismantling the device.
   The programming cable must further be connected to a Radio Interface Box (RIB) were its programming protocol is converted to RS232 for communications with a computer.
   Frequency programming is accomplished using Motorola's HT1000 software. The application will not allow the radio to transmit while the actual programming is taking place.
2. The device has the ability to operate with a 12.5 kHz BW. Please find the attached occupied BW plots, frequency response, and modulating limiting plots for 12.5 kHz.
3. Please find the attached transient frequency behavior plots and test procedures.
4. Please find the attached modulation characteristics, frequency response, and modulating limiting plots for 25 kHz BW.
5. The occupied bandwidth data is attached for 12.5 kHz and 25 kHz spacing.
6. The emission masks plots showing compliance with 90.210 is attached.

7. Please find the attached justification for the emission designator for the initial filing and the additional designator added by this amendment.
8. PCTEST does not yet have a dipole for 450 MHz, so we validated at 835 MHz to ensure that the measurement system was operating within the specification. We then changed the liquid to 450 MHz simulating tissue and entered the appropriate probe setting before taking the measurements.
9. Please find the attached probe calibration parameters for 450 MHz muscle.
10. Please find the attached SAR data sheets showing the conversion factors used during the SAR testing.
11. The tissue parameters on the data sheets are measured parameters and not target parameters.
12. Please find the attached warning label to be placed on the radio.

We trust this information is sufficient to issue the grant as soon as possible. If you have any further questions, please do not hesitate to contact us.

Randy Ortanez
President

cc: Symbol Technologies, Inc.