From: Todd Seeley [todd@ialabs.com]
Sent: Tuesday, March 23, 2004 1:57 PM
To: info@ckccertification.com
Cc: 'Todd Seeley'
Subject: RE: Non-Conformities FCC ID: P7RT24AP433 (Ref # E04-000020-1)

Importance: High

Randy:

Thanks for getting this done.

Please see my comments below and update the filing accordingly.

Thanks,
Todd Seeley
Principal Engineer
Direct Phone: (303) 402-5272
Email: Todd@IALabs.com

-----Original Message-----
From: info@ckccertification.com [mailto:info@ckccertification.com]
Sent: Tuesday, March 23, 2004 12:53 PM
To: todd@ialabs.com
Subject: Non-Conformities FCC ID: P7RT24AP433 (Ref # E04-000020-1)

Non-Conformities FCC ID: P7RT24AP433 (Ref # E04-000020-1)

Item 1. Since form 731 does not list the equipment specifications, the information was gathered from test report. Please verify the frequency range or ranges of the device.

++++++++++++Equipment tested to 15.231 the device operates at the
++++++++++++discrete
fundamental freq of 434MHz the fundamental. ++++++++++++++++++

Item 2. Since duty cycle correction factor was used to demonstrate compliance, please supply the calculations and data used to determine the pulse averaging per 15.35(c), "The exact method of calculating the average field strength shall be submitted with any application for certification."

++++++++++++++ Please review page 13 of the report
++++++++++++++ ++++++++++++++++++++++

Item 3. No information is given in the test report regarding exploratory maximization of the EUT signals in three orthogonal orientations per ANSI C63.4 Section 12.1.4.1, ".In addition, exploratory radiated emissions testing of hand-held or body-worn devices shall include rotation of the EUT through three orthogonal axes to determine the attitude that maximizes the emissions. This equipment arrangement shall be used in final measurements of radiated emission from the EUT." Please clarify if exploratory measurements were performed in three orthogonal orientations and if the final data represents the worst case of emissions.

++++++++++++++ please review page 5 of the report ++++++++++++++++++

Item 4. 2.1033(b)(4): The operational description needs to include a description of the RF circuitry and a detailed description of the carrier operation including the grounding system and the integral antenna. Please supply an updated operational description.

++++++++++ Client has been informed and is working on the update. It ++++++++++ will
be provided shortly. +++++++++++++++

Item 5. 2.1033(b)(7): Internal photos are inadequate for showing component placement, one photo is over-exposed and the other is out of focus. Primarily, additional photos need only to be taken of the component side of the PCB to clearly show all components and layout.

++++++++++++ a New photo has been taken and attached. Please update the filing with this photo. ++++++++++++++++++++++++++++++++++++++

The items indicated above must be submitted before processing can continue on the referenced application. Failure to provide the requested information within 60 days may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1106.

All Best,
Randal Clark
CKC Certification Services.