

Chris Harvey

From: gina.lo [gina.lo@tw.ccsemc.com] on behalf of application [application@tw.ccsemc.com]
Sent: Wednesday, September 24, 2008 6:13 AM
To: charvey-tcb@ccsemc.com
Cc: charvey-tcb@ccsemc.com; claire.hoque@ccsemc.com; landy.sung; celia.hsieh
Subject: □□□ iControl Networks Inc., FCC ID: S23-IHUB3000, Assessment NO.: AN08T8258 - AN08T8261 & AN08I2558, Notice#2
Attachments: iHUB-3000 Antenna specification For GPRS Revised 0901.pdf; iHUB-3000 Req. of Confidentiality Revised 0901.pdf; iHUB-3000 BOM for Explosion Report.pdf; iHUB-3000 BOM for GPRS.pdf; iHUB-3000 Schematic For 319MHz.pdf; iHUB-3000 APPENDIX III for MPE Revised 0901.pdf; iHUB-3000 Appendix II Revised 0903.pdf; iHUB-3000 Schematic for GPRS.pdf; iHUB-3000 Test Report for 319MHz Revised 0903.pdf

Dear sir,

Please see my reply, thank you.

Best Regards,

Gina

<charvey-tcb@ccsemc.com>

!~¥ó#HjG <application.2008@tw.ccsemc.com>
°Æ¥»§Û°e;G <charvey-tcb@ccsemc.com>, <claire.hoque@ccsemc.com>, <gina.lo@tw.ccsemc.com>
¥D!@jG iControl Networks Inc., FCC ID: S23-IHUB3000, Assessment NO.: AN08T8258 - AN08T8261 & AN08I2558, Notice#2

2008/08/29 11:56 PM

Dear Celia Hseih & Gina Lo,

I have received the response to Notice#1 and have the following continued questions:

AN08T8258

The revised GPRS antenna specification now has changed the peak gain from -0.5dBi for 850MHz band and 1.0dBi for the 1900MHz band to be -7dBi in both bands; however, the gain plots in the old exhibit and the new exhibit remain unchanged, and the gain values seem to agree with the original higher gain values. Please explain how the new stated gain does not match the gain plots.

Ans: The client provide revised antenna specification as the attachment.

The Schematic Diagram submitted with this application contains a location for U26, which according to the photographs is the Telit GPRS Module that contains many RF components and must have a more detailed schematic of its own. Please submit the schematic diagram of the Telit GPRS Module. The Bill of Materials submitted also contains a component called GE864, which is the Telit GPRS module. Please provide the BOM for the Telit GPRS Modem.

9/29/2008

Ans: Please see the BOM and schematic diagram as the attachment.

Please confirm if the BOM and Tune-Up Procedure exhibits submitted in Notice#1 are to be held confidential. If yes, please submit a revised Confidentiality Request Letter including these exhibits.

Ans: Please see the revised Confidentiality Request Letter as the attachment.

You have provided an MPE exhibit that lists the separate MPE calculations for the GPRS and WLAN transmitters. Please note that the MPE limit for the 824-849 MHz band is not listed correctly (please see FCC 1.1310 Table B for the correct limit), and the combined MPE calculation has not been provided. In the future, please use the correct limit and provide the combined MPE for all simultaneously transmitting devices (addressed as the sum of the percentages of each power density to its limit).

Ans: Please see the MPE as the attachment.

AN08T8259

The Schematic Diagram originally submitted has a page (#13) that indicates it is for the GE RF Module, but this section of the schematic diagram as submitted is just a location for several connectors (J6, J7, J9, J10 and J17) to connect the GE RF Module. Please submit the RF Schematic Diagram exhibit for the GE RF Module.

Ans: Please see the Schematic Diagram as the attachment.

In Notice #1 I requested that you provide the Limit Calculation for the 319.5MHz fundamental frequency. You have not provided the calculation, and have listed a 73.2 dBuV/m@3m. I have calculated the actual limit per 15.231(e) to be 67.92 dBuV/m@3m.

Please provide the actual calculation in your test report and revise the report as needed (including any margin adjustments). It appears as though the fundamental emission in the Horizontal polarity is over the re-calculated limit.

Ans: Please see the revised test report(page 12, 15) as the attachment.

AN08T8260

The Schematic Diagram originally submitted has a page (#12) that indicates it is for the ZWave Module, but this section of the schematic diagram as submitted has a location for U18, which is the location of the ZWave module. Please submit the RF Schematic Diagram exhibit for the ZWave Module.

Ans: Waiting for the client to provide.

AN08I2558

The Test report Cover Sheet (Appendix II) submitted for this device contains errors in the frequency range for 319.5MHz and 908MHz transmitters, RF Power in Watts should remove reference to 391.5Mhz and 908MHz, which should be included in the Field-Strength section, Occupied BW and the Emission Designator should also include the 2412 - 2462 MHz 802.11b measurement, and the Receiver Spurious Emissions should include the measurements for the 869.7 - 893.31 MHz and 1931.25 - 1988.75 MHz bands.

Ans: Please see the APPENDIX III as the attachment.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. 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 e-mail address listed below the name of the sender.

Best regards,

Chris Harvey
Charvey-tcb@ccsemc.com