July 17, 2008

American Telecommunications Certification Body, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

FCC ID: RUN1322X-SRB
IC: 6447A-1322XSRB

Hello Tim:

Please see responses below for the above referenced application. Do not hesitate to contact me with any questions or concerns

1) A cover letter from Freescale mentions that these device met with Class A Digital device emissions. The users manual Cites Class B. Please review, verify, correct, explain as necessary.
Answer: This device meets the FCC Part 15 Class B limits as cited in the users manual. The request for certification letter had a typo indicating A. Please ignore this statement in the letter, the manual is correct

2) AC powerline emissions appear to be evaluated only on center TX channel. Please note that while the majority of the time TX vs. RX and changing channels doesn't affect the AC powerline emissions tests, this fact is not 100%. FCC at least expects exploration to be done to determine if there is any affect between changing channels and between TX/RX.

Answer: The report should read for Final AC emissions the eut was tuned to a center channel. All channels were checked for worst case emissions, the middle channel was selected because there was no difference between low, mid and high channel emission levels.

3) FYI…because this device is being approved as a development board, it would be suggestive to provide something in the users manual to the following:
This equipment is for use by developers for evaluation purposes only and must not be incorporated into any other device or system. This device may not be sold to the general public. Integrators will be responsible for reevaluating the end product (including the transmitter) and obtaining a separate FCC authorization.
Answer: Thank you for the suggestion the revised manual has been uploaded to your website

4) Because of the nature of the manual explaining how changes can be made to various aspects of the device, section 1.1 of the manual should be clarified or changed to the following or similar:
FCC approval of this device only covers the original configuration of this device as supplied. Any modifications to this product, including changes shown in this manual may violate the rules of the Federal Communications Commission and make operation of the product unlawful.

Answer: Thank you for the suggestion the revised manual has been uploaded to your website

5) Please confirm if the output power and spectral density were performed using RF conducted techniques.
Answer: These tests were performed conducted

6) Please confirm that the duty cycle can not be adjusted beyond the maximum measured in all final units.

Answer: Point 4 addresses this

7) It is uncertain if the device was in continuous 100% TX given the 23% duty cycle shown. If this duty factor was present during radiated testing, then please note that testing would require a RBW of > 400 Hz (RBW > 1/Max Ton Time). Please review. Note that simply showing the peak – duty factor may not show compliance given some results.

Answer: The device in modulated tx mode is continous 100% duty cycle

8) Please explain reference to 15.249 limits in some sections of report (i.e. page 39).

Answer: This is an typo error in the report, it should read 15.209

9) Proposed Grant Notes:
Power Output is Conducted. This equipment is for use by developers for evaluation purposes only and must not be incorporated into any other device or system. This device may not be sold to the general public. Integrators will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization. The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users must be provided with specific operating instructions for satisfying RF exposure compliance.

Answer: OK

10) IC requires 3 items on the device for labeling (Certification number, applicant, and model). In the labeling information provided the model number could not be found. Please review.

Answer: The correct silk screen images with the model number indicated on the boards has been uploaded

Sincerely,
Glen Moore
Wireless/EMC Manager
NTS
On Behalf of Freescale Semiconductor