



American Telecommunications Certification Body Inc.  
6731 Whittier Ave, McLean, VA 22101

November 7, 2007

RE: KIRISUN ELECTRONICS (SHENZHEN) CO., LTD

FCC ID: Q5EPT650002

I have a few comments on this application. Depending on your responses, kindly understand there may be additional comments.

1. Please explain why "**TEST SETUP BLOCK DAIGRAM** in figure 2" is a radiated test setup. It appears to be a conducted test setup.  
The Effective Radiated Power(ERP) is required to be measured using substitution method according to TIA/EIA-603-A.
2. Although "The EUT cannot worn on the body" messages were shown at page 38, however the end user still can wear it on the body because Belt clip accessory was shown at page 3 of the user manual.  
If the radiated output power(ERP) 4.17W shown at page 9 is higher than 4W, then SAR testing is required for this device.
3. Please confirm if Ch2 453.0125MHz and ch5 453.0125MHz at page 33 are typo error, which should be Ch3 453.0125MHz and ch4 453.0125MHz?
4. The RBW=300Hz setting on emission mask measurement at page 23 is not correct for narrow band 12.5KHz. It should be 100Hz according to page 89 of TIA/EIA-603-A.
5. The audio tone should use 2.5KHz but not 1KHz for emission mask measurement at page 22 and page 23 of test report. Please refer to following:  
**"section 2.2.11.2 d) at page 89 of TIA/EIA-603-A.**  
**d) Modulate the transmitter with a 2500 Hz sine wave at an input level 16 dB greater than that necessary to produce 50% of rated system deviation. The input level shall be established at the frequency of maximum response of the audio modulating circuit. "**
6. The calculation on bandwidth at page 17 is not correct.

**CARSON'S RULE:**

**BANDWIDTH = 2 X (PEAK DEVIATION + HIGHEST MODULATING FREQUENCY),**

The highest modulating frequency should be the highest audio input frequency.

7. Please provide tune-up procedure for this device, which is required under FCC Part 2.1033.

George Chen  
Chief Technical Officer - Asia

<mailto:george@atcb.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.