



ATCB  
Mr. Tim Johnson  
RE: Radio Systems Corporation  
FCC ID: KE3-FT303

In response to your comments:

After a review of the submitted information for FCC, I have a few comments on the above referenced Application.

- 1) Please provide operation description exhibit for this application.

Uploaded.

- 2) Were various button/dial configurations investigated in effort to observe worse case duty cycle? If not, please evaluate and report worse case.

Yes, various button/dial configurations were investigated in an effort to observe worst case duty cycle. Worst Case Duty Cycle was continuous transmission by holding the Shock and Tone Button of the transmitter. The dial was set at maximum shock value (8).

- 3) Schematics provided are not readable. Please provide higher resolution schematics.

Uploaded in Word format for clarity and magnification.

- 4) TX shown in manual does not appear to match TX in this application. Please review/explain/correct as necessary. Manual will require complete review once corrected.

A corrected manual has been uploaded.

- 4) Please explain 3 buttons and what each function does. Users manual only mentions 2 buttons.

Corrected manual uploaded. Explanation located on page 4.

- 6) Test photos show device laying down with antenna in horizontal polarity but measurement antenna in vertical polarity. Photographs are expected to be taken to shown worse case configuration. However photographs suggest that the unit was not actually tested in all 3 axis as required by ANSI 63.4. Please confirm testing in all 3 axis or retest as appropriate.

Unit was tested in all 3 axis configurations and worst case test data was provided. Photos were retaken after testing due to electronic photo problems. Test setup photos have been uploaded showing correct configuration, with unit vertical and antenna in vertical polarity.

- 7) Test configuration photographs must also be provided for AC powerline conducted emissions. Please provide.

Uploaded

8) Please note column labeled AF+CA+Amp is not appropriate for conducted emissions. Generally this is an insertion loss and CA factor.

The column is inherent in our calculation programs for both radiated and conducted emissions. The correction factors applied for Conducted Calculations are LISN and Cable loss only.

9) Please explain the limits 12,500 and 1,250 uV/m given for spurious emissions. This does not appear correct. Please review/explain/correct as necessary.

Corrected and Uploaded.

10) Digital device emissions do not seem appropriate. It appears TX emissions appear in this section.

Corrected and Uploaded

11) FYI....If RX is approved under a DoC, the manual provided does not appear to include required information for RX as given in 2.1077.

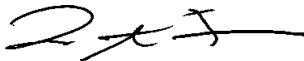
Noted.

12) Our website shows an IC Number entered, but an ATCB IC form was not uploaded. Please clarify if you are requesting IC approval on this device as well, and if so please provide an appropriate form. See attachment provided. Please note that current uploads do not appear to show proper IC labeling as well.

IC approval is requested. RSS-100 Form uploaded with revised label.

Thank you for your comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. Feudi', with a stylized flourish at the end.

Louis A. Feudi  
V.P. Operations/Engineering