

Applied Radio Technologies Corporation
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Applied Radio Technologies-USA, LLC
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17876 Monterey Pine Drive
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December 29, 2007

(Comments for FCC Application)

1. Please upload RF Exposure exhibit. This exhibit is required on all 15.247 applications. This would usually include a MPE report or SAR report but if the power output is below the 60/frequency threshold then a "No SAR Required" document can be submitted. I believe that is what is needed for your application as the power stated is 8.81 mW. See attachment and fill in the correct data.

"No SAR Required" document was uploaded 12/29/07.

2. Peak power measurements must show Low, Mid and High channels. Please revise test report to include this list.

Unit operates on a fixed frequency of 911.225 MHz,, It does not operate on "channels". Revised ATCB-Form-731 uploaded 12/29/07.

3. Please upload an attestation letter as to what channels are available to the end user and how the end user is prohibited from changing channels available.

(Fixed frequency, see FCC # 2 above)

4. Please upload label location photo.

T1-S Label Location Photo.pdf uploaded 12/29/07.

5. External Photos need to show both top and bottom of EUT and all accessible ports or connections. Please revise.

T1-S Top and Bottom Photo.pdf uploaded 12/29/07.

6. Internal Photos need to show clear pictures of top and bottom of PCB with all shielding removed along with antenna connections or any ports. Please revise.

T1-S PWB Top Bottom and Internal Photo.pdf uploaded 12/29/07.

7. Please upload Test Setup Photos exhibit showing conducted and radiated test setups.

T1-S Conducted Test Photos 122907.pdf and T1-S Radiated Test Photos 122907.pdf uploaded 12/29/07

8. All testing must be done at low, mid and highest frequencies available in the EUT. Please correct test report to show this data for: 6 dB bandwidth measurement plots Spectral Power Density measurement plots Peak Power measurements

(Fixed frequency, see FCC # 2 above)

9. Bandedge measurement must show the lower and upper bandedge plots showing 20 dBc from carrier along with staying within the 902-928 MHz band. The complete signal from the EUT must be seen in these plots.

(Fixed frequency, see FCC # 2 above)

10. Please see attachment for FCC Guidelines for testing DTS 15.247 for your reference.

11. FCC requires a 12 month calibration cycle on all measuring instruments except for antennas which have a 2 year cycle. Please correct calibration list.

Acceptable per discussion regarding test lab's accreditation.

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(Comments for Industry Canada Application)

1. For Industry Canada you must show 99% bandwidth plots low, mid and high channel. Please revise test report.
Unit operates on a fixed frequency of 911.225 MHz,, It does not operate on "channels". Revised ATCB-Form-731 uploaded 12/29/07.
2. FYI - Model number is not consistent on the IC application form.
Corrected. ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.
3. RSS 210 Issue 6 is an obsolete document. Please test to the latest RSS 210 document.
RSS 210 Issue 7 June 2007 now on ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.
- 3(a?). Type of equipment must be filled in on the IC application.
Equipment Type "RFID Device" added to ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.
4. 4076A is the correct OATS number for the test lab used. This can be found on IC website.
Corrected. ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.
5. What is the gain of the antenna that is used? This need to be filled in as external, internal or integral and the gain listed.
Antenna is "Internal PWB Antenna, 0 dbi". Added to ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.
6. If the 99% bandwidth were 1325 kHz then the emission designator would be 1M35F1D or whatever the TRC 43 tells you. I will attach this document so you know how to list emission designators for Canada.
Corrected to show 1M35F1D. ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.
7. Please fill in Annex B on the IC application form. All Canadian filings need this to be filled in for RF Exposure. If you are submittin g a SAR report along with your application then you would have to fill out Annex A as well.
Annex B filled in on ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.
8. Please revise the IC application for to include these changes and submit to application forms exhibit. If you should have any questions please let me know.
Revised ATCB-Form-IC-Application 122907 art-RFID.pdf Unloaded 12/29/07.

Regards,

A handwritten signature in black ink, appearing to read "J. Tolbert".

James J. Tolbert
Compliance Engineer
Applied Radio Technologies