

Applied Radio Technologies Corporation  
Tel: 888-ART-RFID (278-7343)  
Fax: 866-894-4329  
1124 South Service Rd. W.  
Oakville ON Canada L6L 5T7

Applied Radio Technologies-USA, LLC  
Tel: 888-ART-RFID (278-7343)  
Fax: 866-894-4329  
17876 Monterey Pine Drive  
Strongsville Ohio USA 44136



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.**

Applied Radio Technologies Corporation  
Tel: 888-ART-RFID (278-7343)  
Fax: 866-894-4329  
1124 South Service Rd. W.  
Oakville ON Canada L6L 5T7

Applied Radio Technologies-USA, LLC  
Tel: 888-ART-RFID (278-7343)  
Fax: 866-894-4329  
17876 Monterey Pine Drive  
Strongsville Ohio USA 44136



**(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 submitting 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 that reads "J. Tolbert".

James J. Tolbert  
Compliance Engineer  
Applied Radio Technologies