

Appendix M: Additional Information for Canadian Certification

Industry Canada - Modulated Bandwidth - RSS-210 §5.9.1

Modulated Bandwidth Test Procedure

The minimum 20 dB bandwidth was measured using a 50 ohm spectrum analyzer with the resolution bandwidth set at 300 Hz, and the video bandwidth set at 3 kHz.

Table 7-1: Industry Canada Modulated Bandwidth Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Date
900931	Hewlett Packard	8566B	Spectrum Analyzer (100 Hz - 22 GHz)	3138A07771	9/13/07
900930	Hewlett Packard	85662A	Spectrum Analyzer Display Section	3144A20839	9/13/07

Modulated Bandwidth Test Data

Table 7-2: Minimum 20 dB Modulated Bandwidths

FREQUENCY (MHZ)	20 dB BANDWIDTH (kHz)
902.5	14.6
915.7	14.5
927.45	14.7

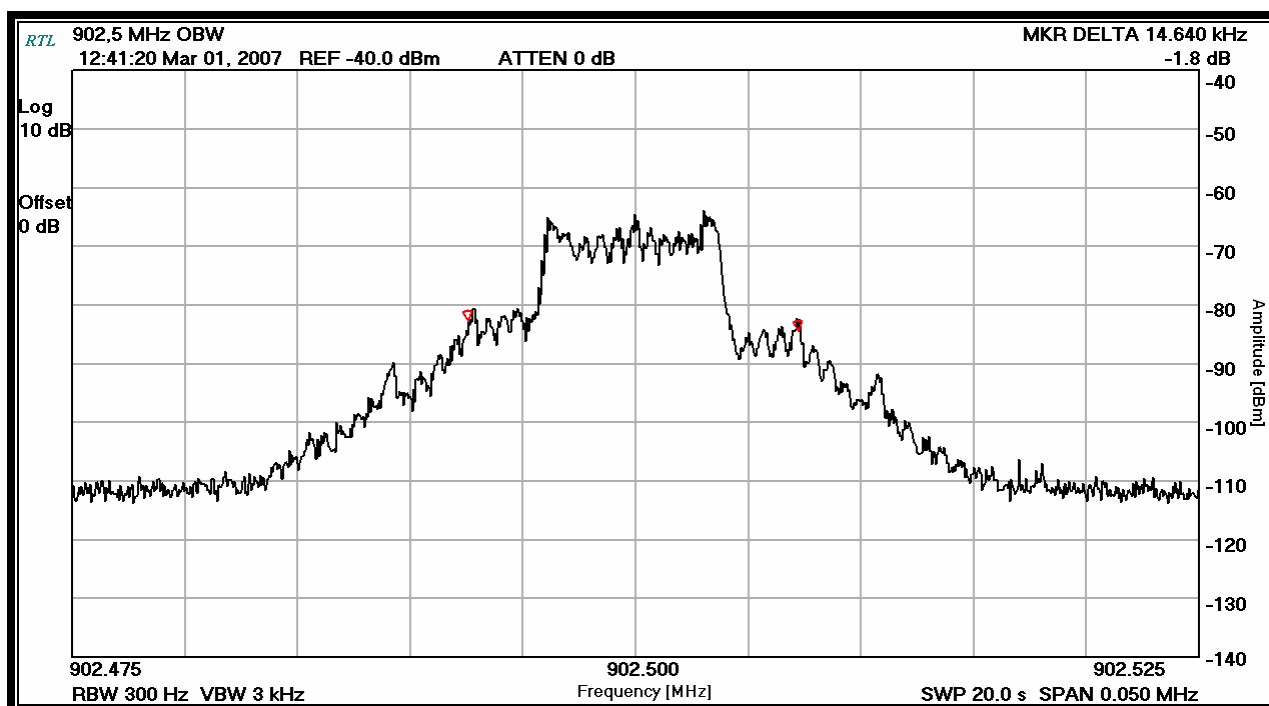
TEST PERSONNEL:

Daniel Baltzell		March 1, 2007
Test Engineer	Signature	Date Of Test

Modulated Bandwidth Plots

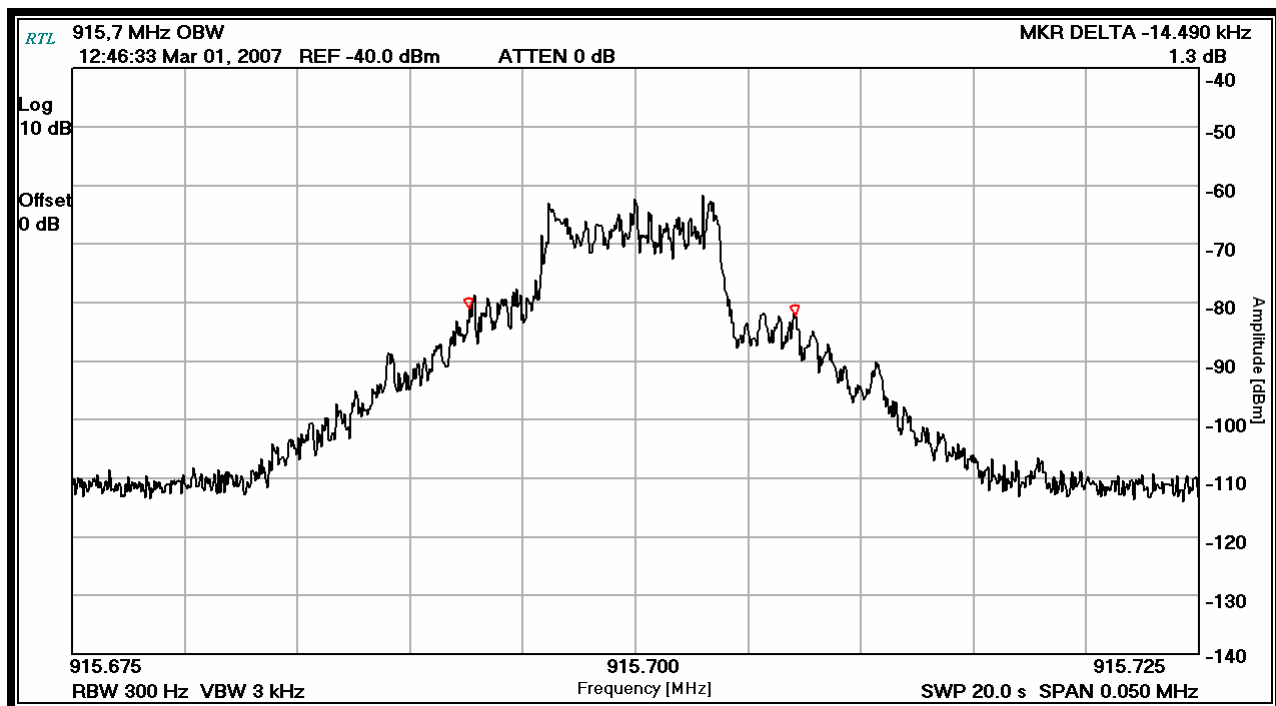
Frequency (MHz): 902.5
 Resolution Bandwidth (Hz): 300
 Video Bandwidth (kHz): 3
 Sweep Time (s): 20

Plot 7-1: Modulated Bandwidth Low Channel



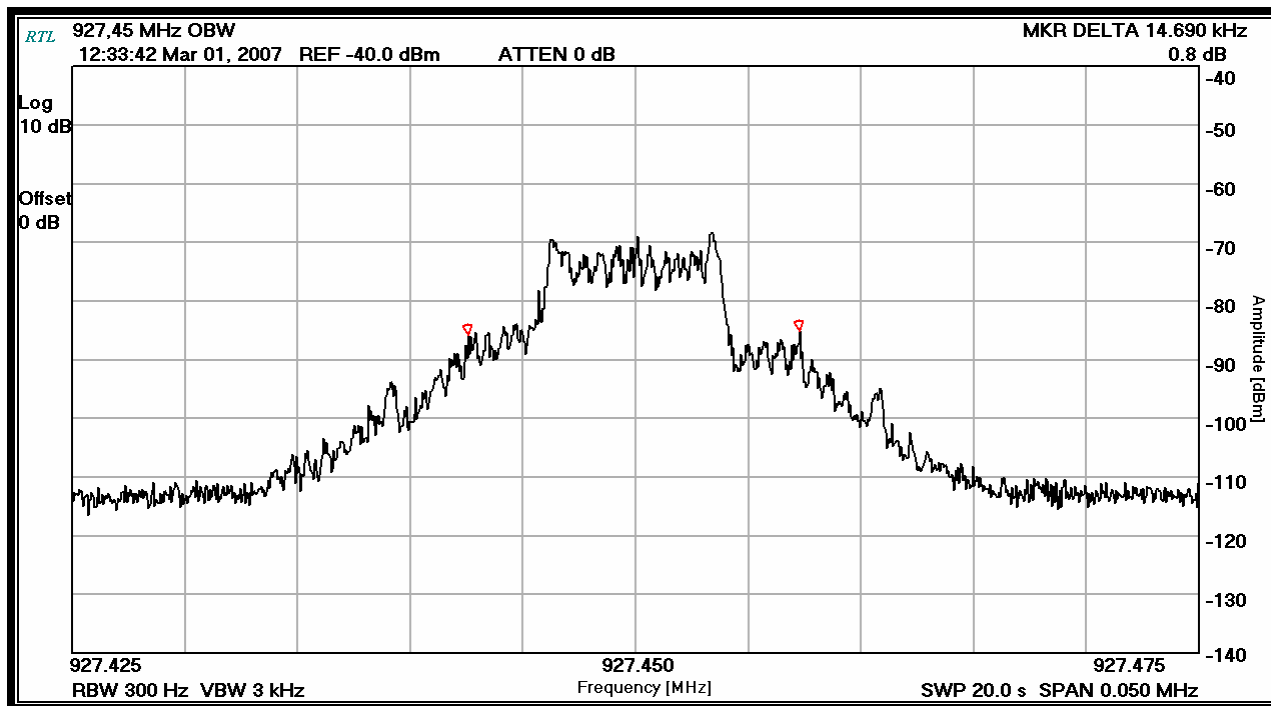
Frequency (MHz): 915.7
Resolution Bandwidth (Hz): 300
Video Bandwidth (kHz): 3
Sweep Time (s): 20

Plot 7-2: Modulated Bandwidth Mid Channel



Frequency (MHz): 927.45
Resolution Bandwidth (Hz): 300
Video Bandwidth (kHz): 3
Sweep Time (s): 20

Plot 7-3: Modulated Bandwidth High Channel



TEST PERSONNEL:

Daniel Baltzell
Test Engineer

Signature

March 1, 2007
Date Of Test

Radiated Receiver/Digital Emissions Data – IC RSS-210 §5.17

Table 7-3: Radiated Receiver/Digital Emissions Data

Temperature: 49°F Humidity: 50%									
Emission Frequency (MHz)	Test Detector	Antenna Polarity (H/V)	Turntable Azimuth (deg)	Antenna Height (m)	Analyzer Reading (dBuV)	Site Correction Factor (dB/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
112.130	Qp	H	90	1.0	30.6	-17.1	13.5	43.5	-30.0
128.750	Qp	H	30	1.0	33.8	-17.0	16.8	43.5	-26.7
177.250	Qp	V	180	1.0	43.2	-18.5	24.7	43.5	-18.8
193.500	Qp	V	180	1.0	53.6	-18.5	35.1	43.5	-8.4
196.130	Qp	V	180	1.0	52.4	-18.3	34.1	43.5	-9.4
295.000	Qp	V	0	1.0	36.1	-13.6	22.5	46.0	-23.5

TEST PERSONNEL:

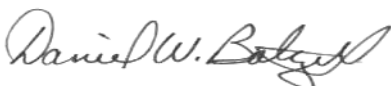
 Daniel Baltzell Test Engineer	Signature	March 1, 2007 Date Of Test
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Table 7-4: Radiated Receiver/Digital Emissions Test Equipment

RTL Asset	Manufacturer	Model	Part Type	Serial Number	Calibration Date
900913	Hewlett Packard	8546A	Spectrum Analyzer (9 kHz – 6.5 GHz)	3325A00159	2/28/07
901053	Schaffner & Chase	CBL6112B	Bilog antenna (20 MHz - 2 GHz)	2648	11/1/07
900905	Rhein Tech Laboratories, Inc.	PR-1040	Pre Amplifier 40dB (10 MHz – 2 GHz)	1006	3/15/07
900878	Rhein Tech Labs	AM3-1197-0005	3 meter antenna mast, polarizing	Outdoor Range 1	Not Required
901242	Rhein Tech Labs	WRT-000-0003	Wood rotating table	N/A	Not Required