

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

CHANNEL	20 dB BANDWIDTH (kHz)
1	14.4
35	14.5
70	14.3

TEST PERSONNEL:

Daniel Baltzell
Test Engineer



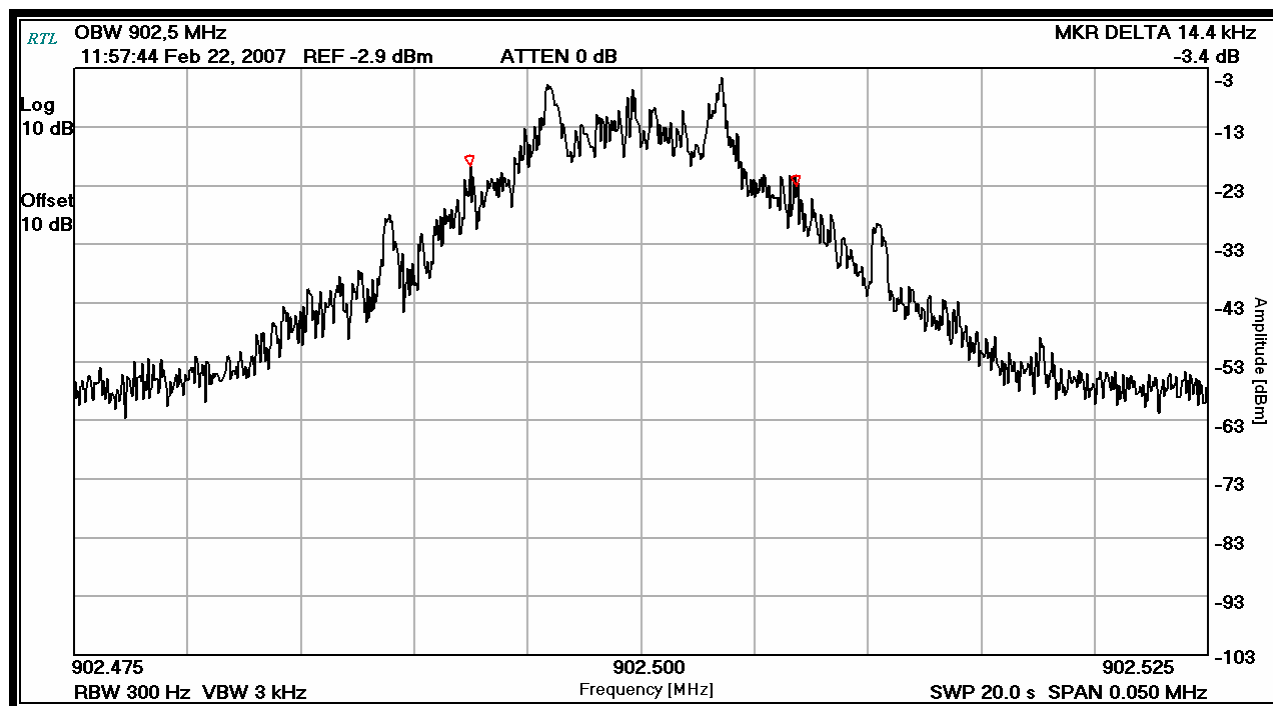
Signature

February 22, 2007
Date Of Test

Modulated Bandwidth Plots

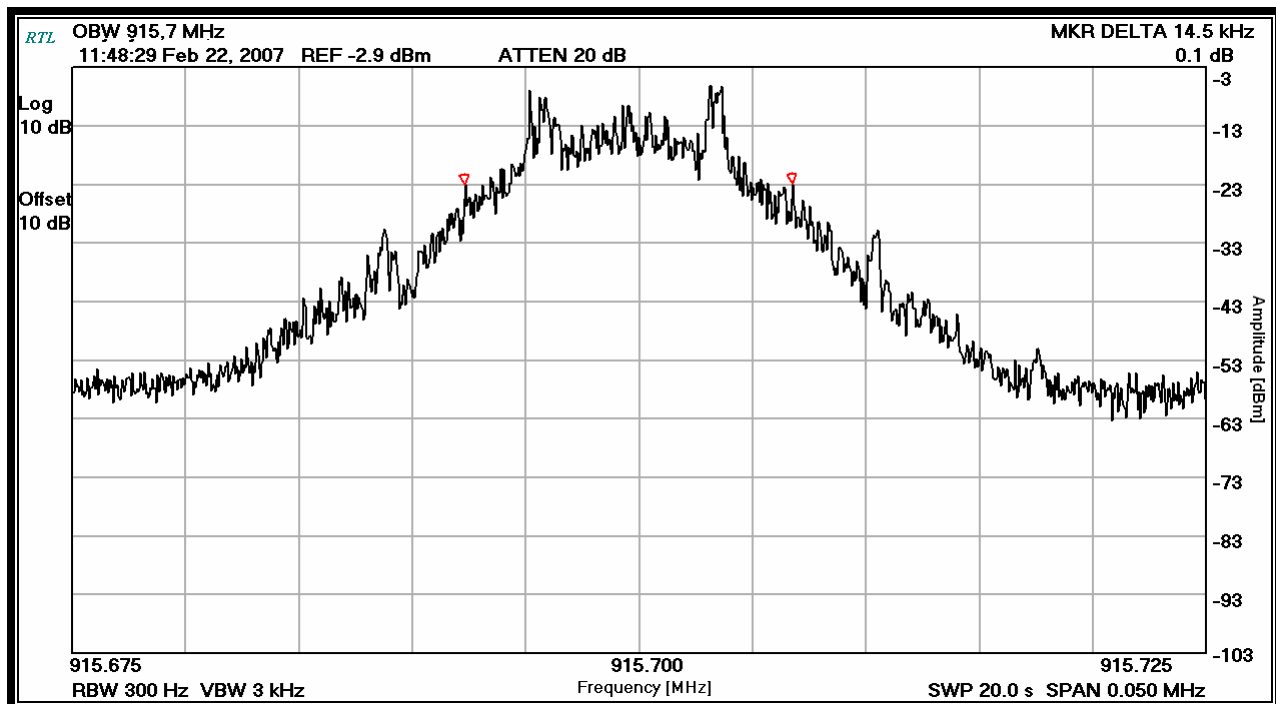
Frequency (MHz): 902.5
 Resolution Bandwidth (Hz): 300
 Video Bandwidth (kHz): 3
 Sweep Time (s): 20

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

February 22, 2007
Date Of Test

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

Table 7-3: Radiated Receiver/Digital Emissions Data

Temperature: 30°F					Humidity: 48%				
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)
235.958	Qp	H	170	1.0	44.9	-25.2	19.7	46.0	-26.3
265.410	Qp	H	30	1.0	37.5	-22.7	14.8	46.0	-31.2
265.823	Qp	H	180	1.0	35.2	-22.8	12.4	46.0	-33.6
266.198	Qp	H	180	1.0	33.2	-22.8	10.4	46.0	-35.6
282.578	Qp	V	0	1.0	32.0	-23.1	8.9	46.0	-37.1
353.930	Qp	H	180	1.0	36.2	-11.5	24.7	46.0	-21.3
1887.402	Av	H	180	1.0	36.6	0.2	36.8	54.0	-17.2

TEST PERSONNEL:

 Daniel Baltzell Test Engineer	Signature	February 23, 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