Standards Council of Canada
Accredited Laboratory
Scope of Accreditation 75

Conseil canadien des normes
Laboratoire accrédité
Portée d'accréditation 75

TM

Test Report:	6W70104
Applicant:	BelAir Networks Inc., 603 March Road, Ottawa, ON K2K 2M5
Apparatus:	BRM3 North America and ASM-E
FCC ID:	RAR20005003
In Accordance With:	FCC Part 15 Subpart E, 15.407 Unlicensed National Information Infrastructure Devices
Tested By:	Nemko Canada Inc. 303 River Road Ottawa, Ontario K1V 1H2
Authorized By:	 Jason Nixon, Telecom Specialist
Date:	July 18, 2006
Total Number of Pages:	45

Report Summary

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15, Subpart E, 15.407. Radiated tests were conducted is accordance with ANSI C63.4-2003. Radiated emissions are made on an open area test site. A description of the test facility is on file with the FCC.

The assessment summary is as follows:

Apparatus Assessed:	BRM3 North America and ASM-E
Specification:	FCC Part 15.407, Subpart E
Compliance Status:	Complies
Exclusions:	None
Non-compliances:	None
Report Release History:	Original Release

Author: Xu Jin, Wireless Specialist

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This test report has been completed in accordance with the requirements of ISO/IEC 17025.

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Section 1: Equipment Under Test

1.1 Product Identification

The Equipment Under Test was identified as follows:
BRM3 North America and ASM-E

1.2 Samples Submitted for Assessment

The following samples of the apparatus have been submitted for type assessment:

Sample No.	Description	Serial No.
1	SCM	K000625766
2	BRM3 North America	K001665360
3	ASM-E	K001252349
4	15dBi Belair Directional Antenna	203-B

The first samples were received on: July.11, 2006

1.3 Technical Specifications of the EUT

Manufacturer:	BelAir Networks Inc.
Frequency Band	5250MHz-5350MHz
Operation Frequency	5265MHz-5330MHz
Rated Conducted Output Power*:	15dBm
Emission Designator	20M6G1W
Modulation:	802.11 a
Antenna Data:	15dBi Directional Belair Antenna
Antenna Connector:	SMA

* Manufacture's rated power is average power measured using a wide band power meter with a thermocouple detector.

Section 2: Test Conditions

2.1 Specifications

The apparatus was assessed against the following specifications:

FCC Part 15 Subpart E, 15.407, Unlicensed National Information Infrastructure Devices

2.2 Deviations From Laboratory Test Procedures

No deviations were made from laboratory test procedures.

2.3 Test Environment

All tests were performed under the following environmental conditions:

Temperature range	:	15 – 30 ^{o}C
Humidity range	:	20 – 75 %
Pressure range	:	86 - 106 kPa
Power supply range	:	+/- 5% of rated voltages

2.4 Test Equipment

Equipment	Manufacturer	Model No.	Asset/Serial No.	Next Cal.
Spectrum Analyzer	Rohde & Schwarz	FSU	FA001877	May 10/07
Spectrum Analyzer	Hewlett-Packard	8566B	FA001309	May 16/07
Spectrum Analyzer Display	Hewlett-Packard	85662A	FA001309	May 16/07
Biconical (1) Antenna	EMCO	3109	FA000805	May 03/07
Log Periodic Antenna #1	EMCO	LPA-25	FA000477	Aug. 29/06
Horn Antenna #2	EMCO	3115	FA000825	Dec. 16/06
Horn Antenna #1	EMCO	3115	FA000649	Jan. 12/07
18.0 – 40.0GHz Horn Antenna	EMCO	3116	FA001847	May 3/07
1.0 – 2.0 GHz Amplifier	JCA	12-400	FA001498	July 14/06
2.0 – 4.0 GHz Amplifier	JCA	24-600	FA001496	July 14/06
4.0 – 8.0 GHz Amplifier	JCA	48-600	FA001497	July 14/06
5.0 - 18GHz Amplifier	Narda	DWT-186N23U40	FA001409	COU
18.0 – 26.0 GHz Amplifier	NARDA	BBS-1826N612	FA001550	COU
26 – 40.0 GHz Amplifier	NARDA	DBL-2640N610	FA001556	COU
Power Meter	HP	4418B	FA001678	May 16/07
Power Probe	HP	8487A	FA001741	May 22/07
LISN	EMCO	4825/2	FA001545	Jan. 30/07
Transient Limiter	Hewlett-Packard	1194 7A	FA000975	May 18/07
Climate Chamber	Thermotron	SM-16C	15649-S	COU

* COU (Calibrate on Use)

Section 3: Observations

3.1 Modifications Performed During Assessment

No modifications were performed during assessment.

3.2 Record Of Technical Judgements

In power line conducted emissions test, four ferrite cores (Steward 28H5776-OA2, HFA187102-OA2, HFA259137-OB2, 28A2093-OA2) have been added on the power supply cord in order that power conducted emissions did not exceed the limit.

3.3 EUT Parameters Affecting Compliance

The user of the apparatus could not alter parameters that would affect compliance.

3.4 Test Deleted

No Tests were deleted from this assessment.

Section 4: Results Summary

This section contains the following:

FCC Part 15.407, Subpart E: Test Result

The column headed 'Required' indicates whether the associated clauses were invoked for the apparatus under test. The following abbreviations are used:

N	No: not applicable / not relevant.
Y	Yes: Mandatory i.e. the apparatus shall conform to these tests.
N/T	Not Tested, mandatory but not assessed. (See section 3.4 Test deleted)

The results contained in this section are representative of the operation of the apparatus as originally submitted.

4.1 FCC Part 15 Subpart E, 15.407: Test Results

Section	Clause	Test Description	Required	Result
1	15.207(a)	Powerline Conducted Emissions	Y	PASS
2	15.403(i)	Emission Bandwidth	Y	PASS
3	15.407(a)(2)	Peak Conducted Transmit Output Power	Y	PASS
4	15.407(b)(2)	Spurious Emissions not within restricted bandwidth	Y	PASS
5	15.407(b)(7)	Spurious Emissions within restricted bandwidth	Y	PASS
6	15.407(a)(2)	Peak Power Spectral Density	Y	PASS
7	15.31(e)	Supply Voltage Variation	Y	PASS
8	15.407(a)(6)	Peak Excursion Measurement	Y	PASS
9	15.407(g)	Frequency Stability	Y	PASS

Appendix A: Test Results

Section 1. Power Line Conducted Emissions

Criteria: Clause 15.207(a)

Frequency of Conducted limit (dBμV)

Emission (MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

Test Conditions:

Sample Number:	1,2,3	**Temperature:**	22 ºC
Date:	July.18, 2006	**Humidity:**	50 %
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

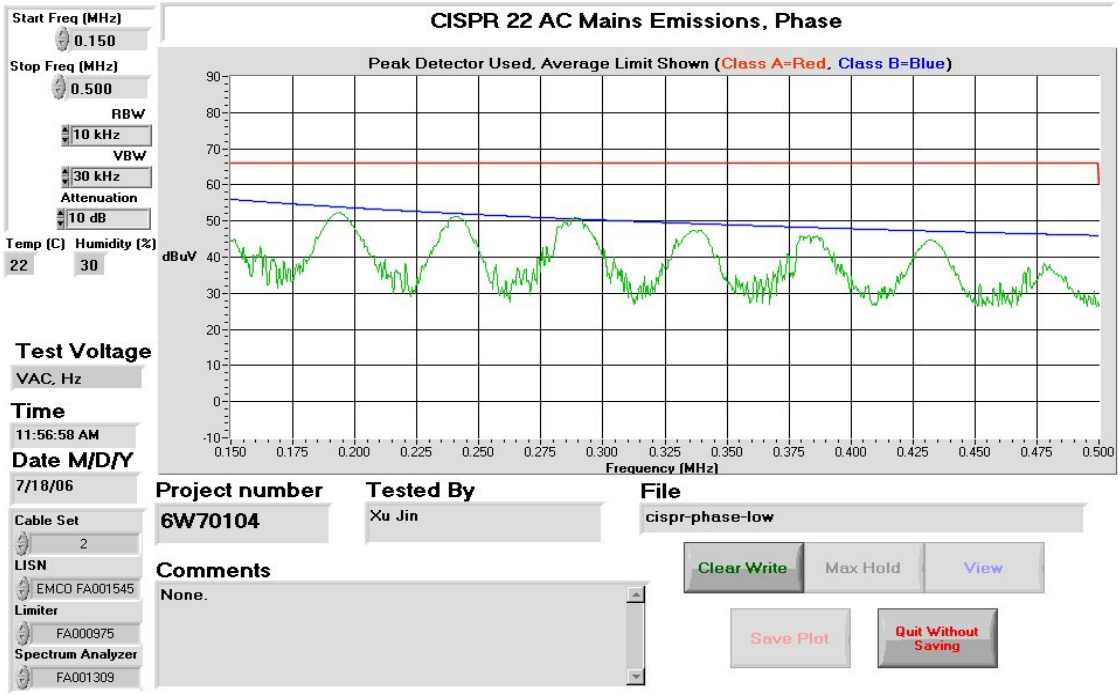
Test Results: Complies

Test Data: See Attached Plots and Tables.

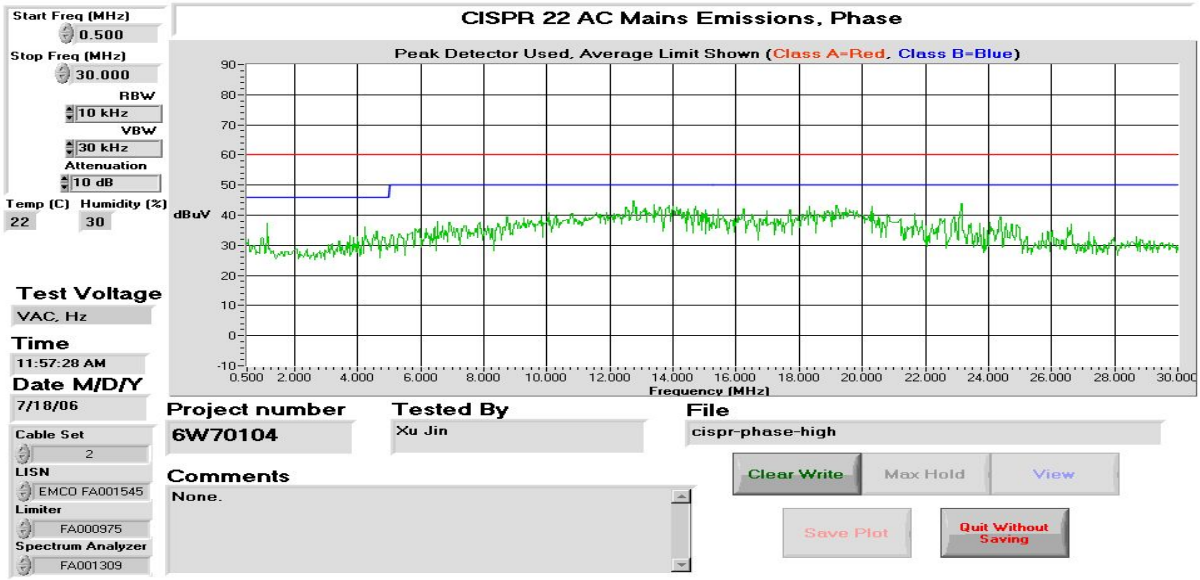
Conducted Disturbance at Mains, Setup Photos

Conducted Disturbance at Mains, Plots

Phase, 0.150 – 0.500 MHz

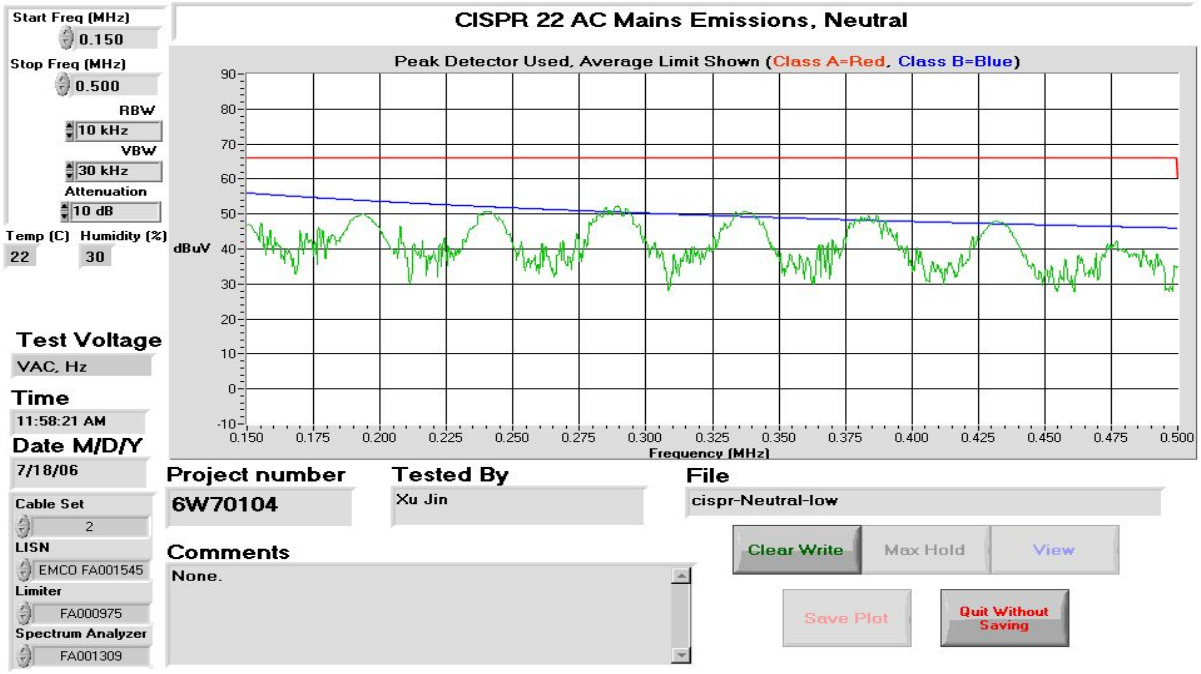


Phase, 0.500 – 30 MHz

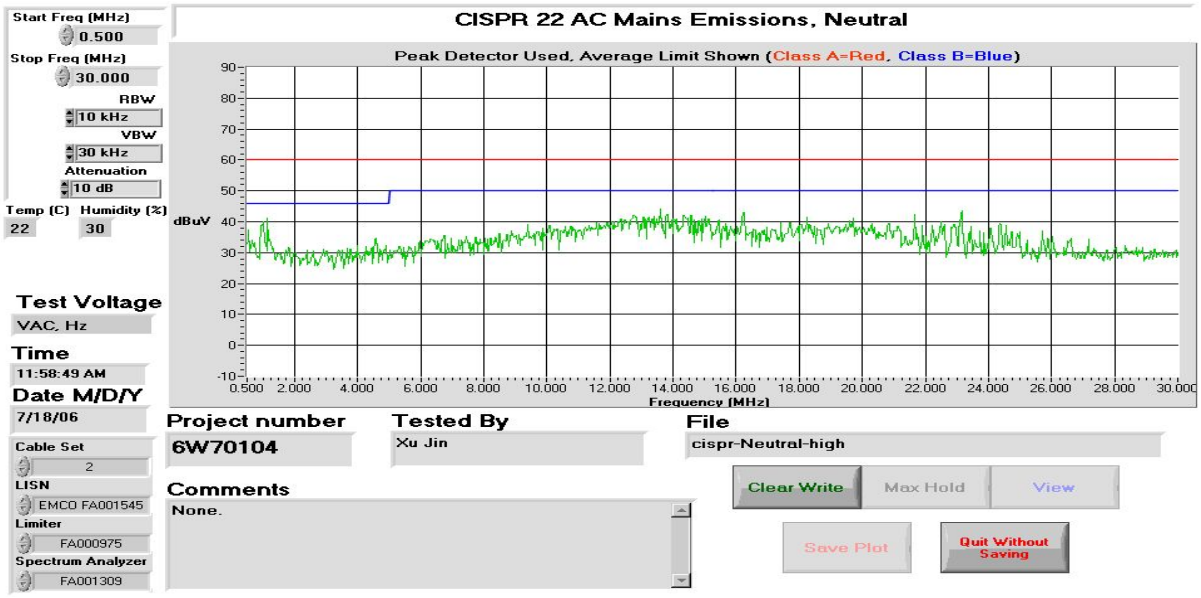


Conducted Disturbance at Mains Plots, continued

Neutral, 0.150 – 0.500 MHz



Neutral, 0.500 – 30 MHz



Test Date: July. 18, 2006								
Engineer's Name: Xu Jin								
Tested as per: Table Top								
Mains Input Voltage: 120VAC				**Mains Input Frequency:** 60Hz				
Port Investigation Data								
Port under test: AC Mains Input								
Conductor	Frequency (MHz)	Detector	Emission Level (dBuV)	LISN Loss (dB)	Cable Loss (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
Phase	0.1931	Quasi Peak	50.7	0.00	0.19	50.89	63.9	13.0
		Average	45.2	0.00	0.19	45.39	53.9	8.5
	0.2410	Quasi Peak	48.8	0.00	0.20	49.00	62.1	13.1
		Average	42.8	0.00	0.20	43.00	52.1	9.1
	0.2886	Quasi Peak	48.8	0.00	0.20	49.00	60.6	11.6
		Average	45.0	0.00	0.20	45.20	50.6	5.4
Neutral	0.2400	Quasi Peak	48.4	0.00	0.20	48.60	62.1	13.5
		Average	41.9	0.00	0.20	42.10	52.1	10.0
	0.2858	Quasi Peak	49.7	0.00	0.20	49.90	60.6	10.7
		Average	46.4	0.00	0.20	46.60	50.6	4.0
	0.3390	Quasi Peak	46.0	0.00	0.20	46.20	59.2	13.0
		Average	43.4	0.00	0.20	43.60	49.2	5.6
	0.3831	Quasi Peak	45.9	0.00	0.20	46.10	58.2	12.1
		Average	36.9	0.00	0.20	37.10	48.2	11.1
	0.4321	Quasi Peak	46.6	0.00	0.20	46.80	57.2	10.4
		Average	46.0	0.00	0.20	46.20	47.2	1.0
Notes								
None								
Test Result								
Final Test Result: Pass								

Section 2. Emission Bandwidth

Criteria: Clause 15.403(i)

(i) Emission bandwidth. For purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.

Test Conditions:

Sample Number:	1,2,3	**Temperature:**	22 ºC
Date:	July 13, 2006	**Humidity:**	50 %
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

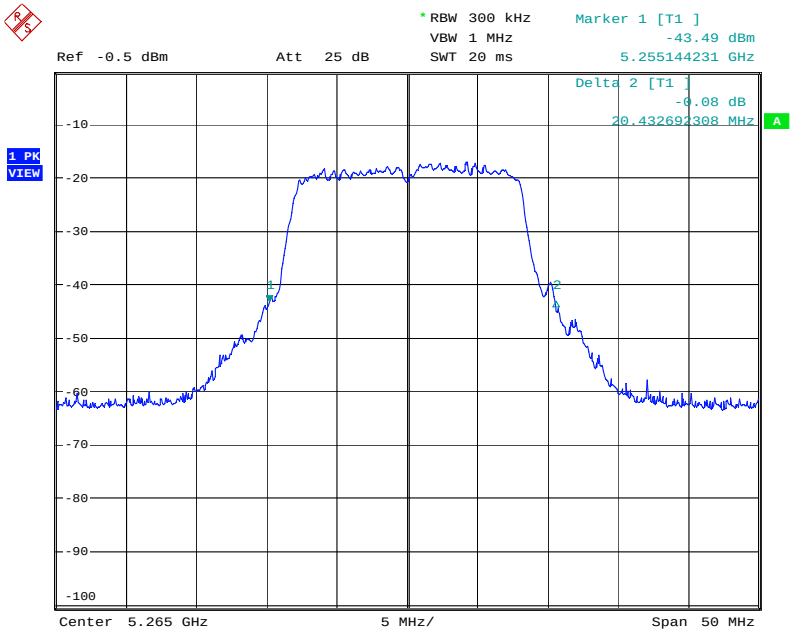
Test Results: Complies

Test Data: See attached table and graphics

26dB Bandwidth (MHz)

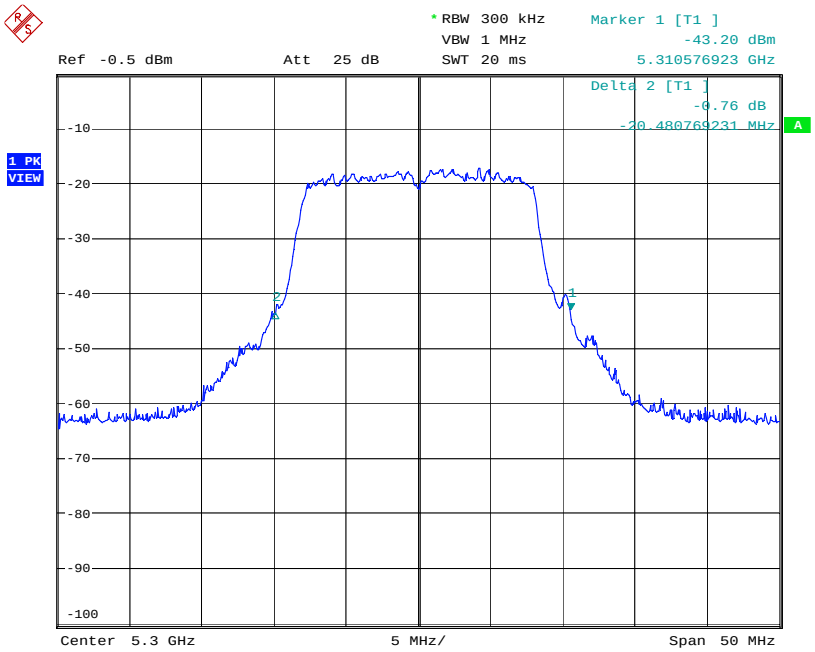
Data Rate	**5265MHz**	**5300MHz**	**5330MHz**
6 Mb/s	20.43	20.48	20.59
54 Mb/s	18.83	18.88	18.99

6Mb/s----5265MHz



Date: 13.JUL.2006 09:02:30

6Mb/s----5300MHz



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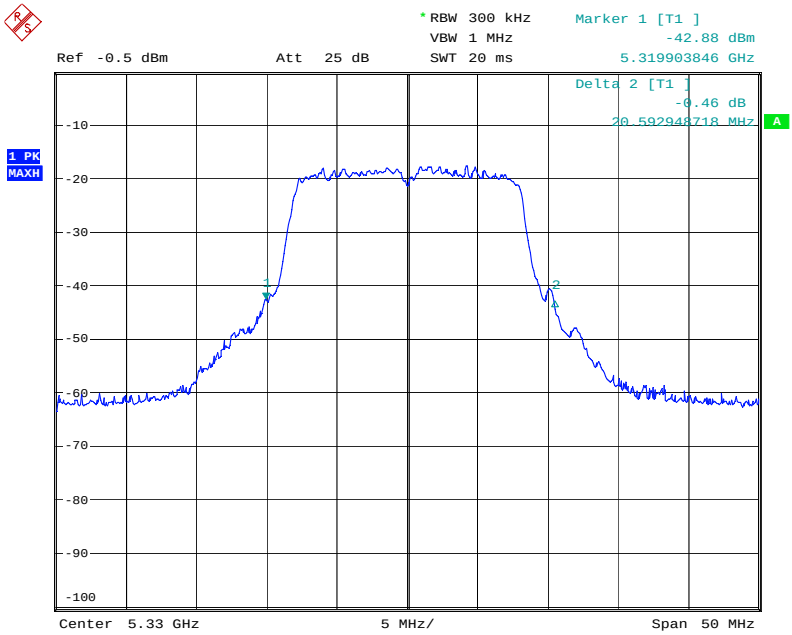
6Mb/s----5330MHz



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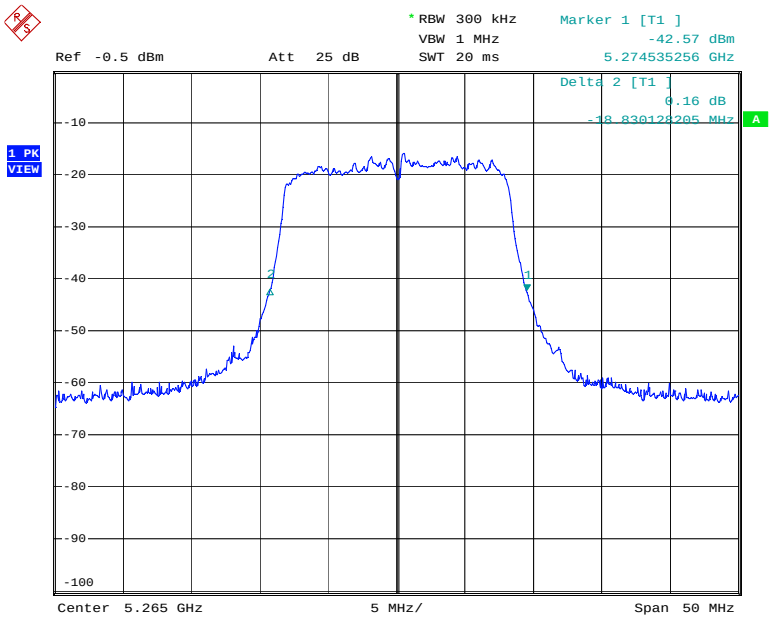
54Mb/s----5265MHz



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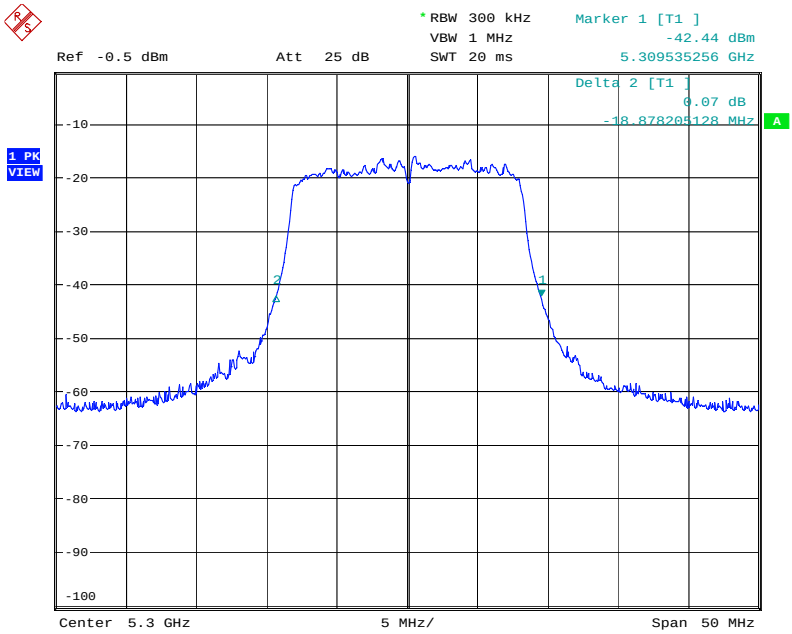
54Mb/s---5300MHz



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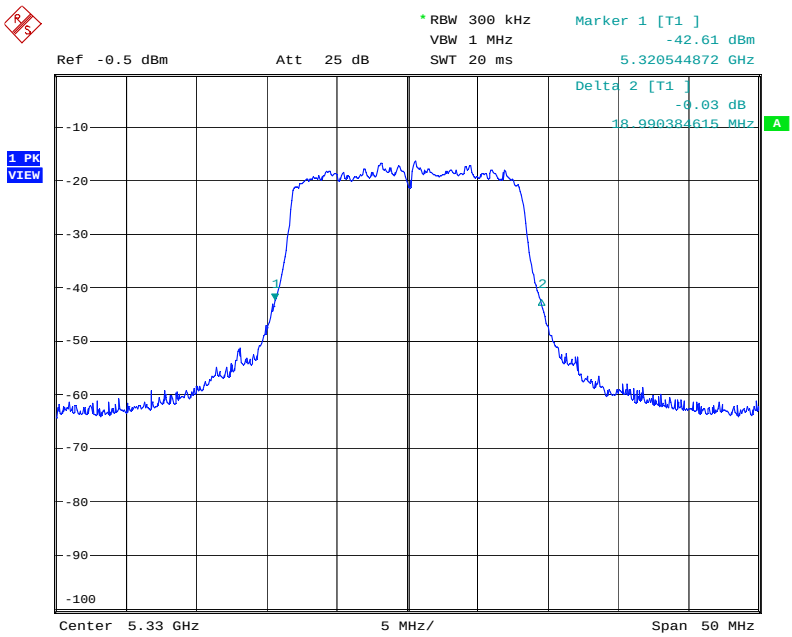
54Mb/s---5330MHz



Date: 13.JUL.2006 09:11:15

Section 3. Output Power

Criteria: Clause 15.407(a)(2)

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Conditions:

Sample Number:	1,2,3	**Temperature:**	22 ºC
Date:	July 12, 2006	**Humidity:**	50 %
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

Test Method: Output power was measured using sample detector on the spectrum analyser according to FCC Public Notice: DA 02-2138.

Test Results: Complies

Test Data: See attached table and graphics

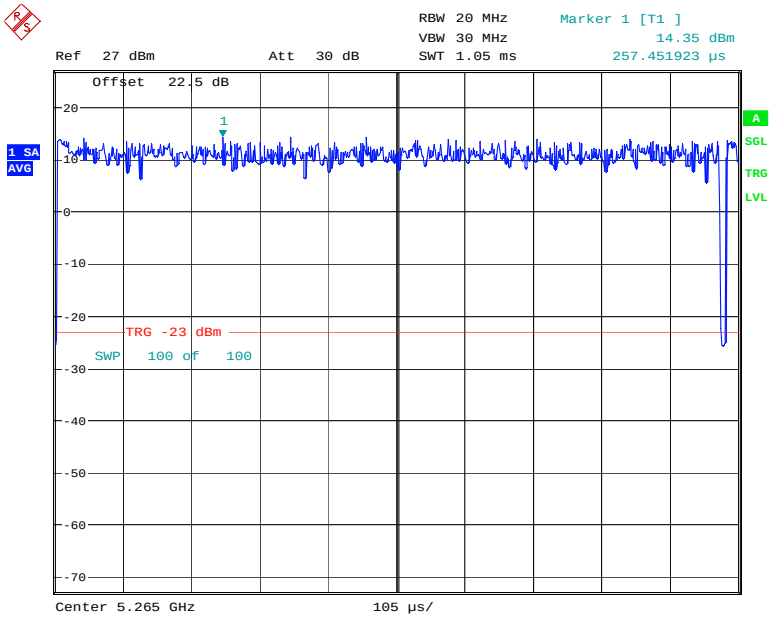
Conducted Output Power Test Data (dBm)

Frequency (MHz)	6 Mb/s	54 Mb/s
5265	14.35	14.80
5300	14.44	14.43
5330	14.18	14.34

The Maximum Conducted Power for 15dBi Belair Directional Antenna =14.80dBm

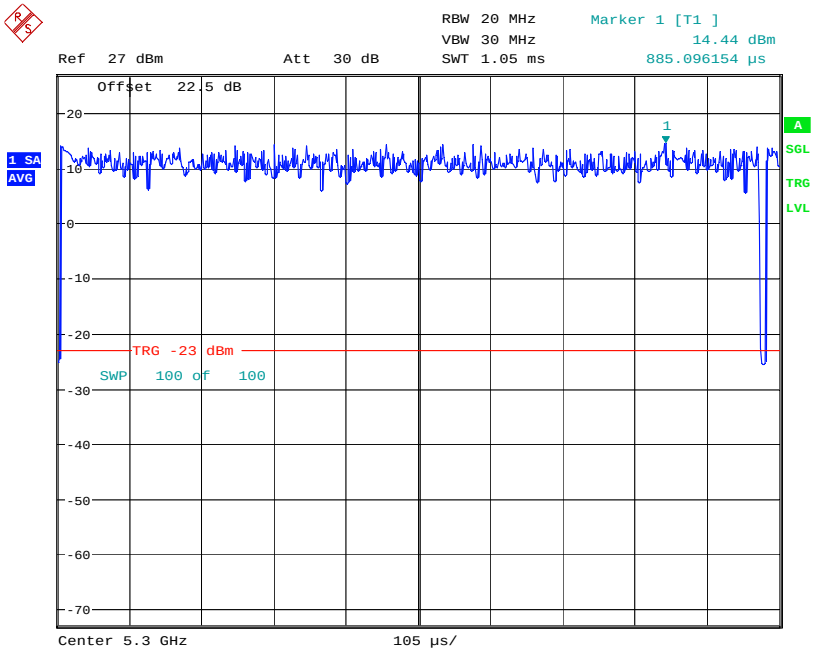
Limit: Conducted Power Limit for 15dBi Belair Directional Antenna
24dBm-(15dBi-6dBi)=15dBm

6Mb/s-5265MHz



Date: 12.JUL.2006 14:19:23

6Mb/s-5300MHz



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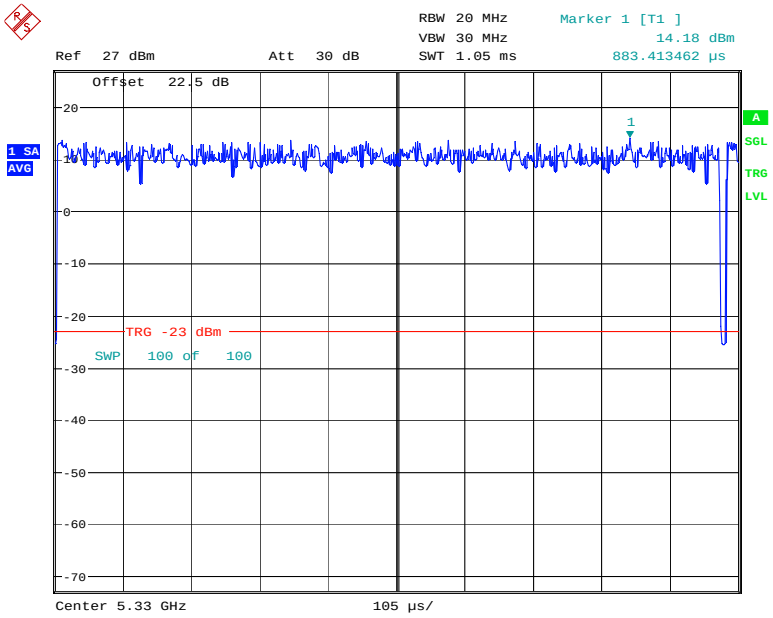
6Mb/s-5330MHz



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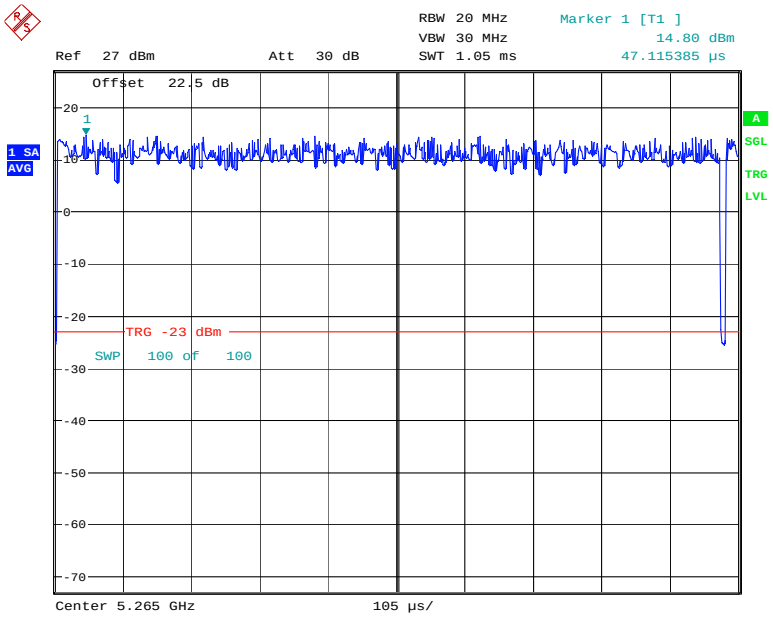
54Mb/s-5265MHz



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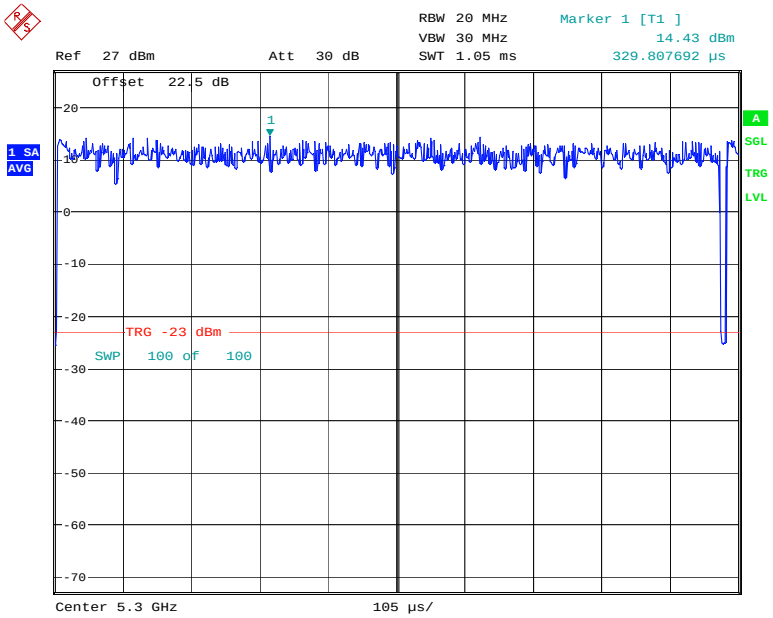
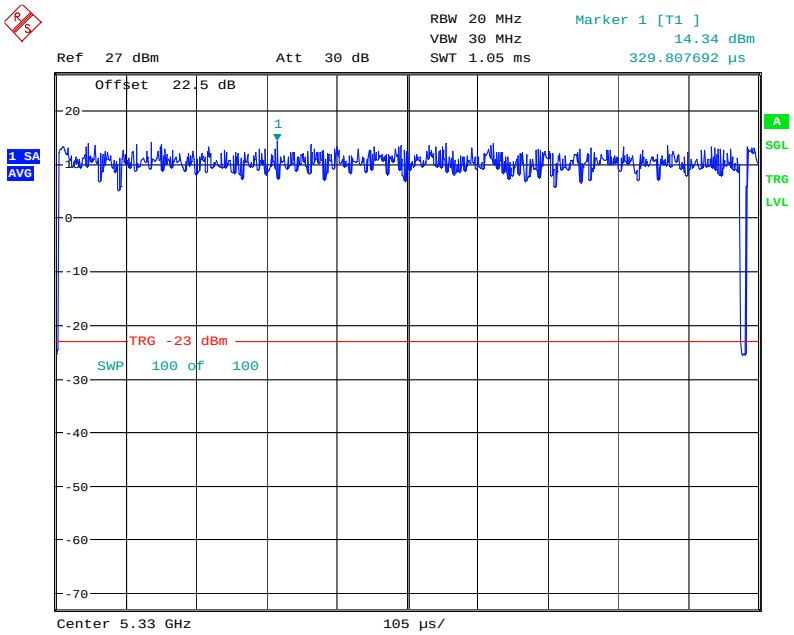
54Mb/s-5300MHz



Date: 12.JUL.2006 14:21:20

54Mb/s-5330MHz



Date: 12.JUL.2006 14:25:12

Section 4. Spurious Emissions not in Restricted Band

Criteria: Clause 15.407(b)(2)

(2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.

Criteria: Clause 15.407(b)(6)

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209

Test Conditions:

Sample Number:	1,2,3,4	**Temperature:**	22ºC
Date:	July.13, 2006	**Humidity:**	50%
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

Test Result: Complies

Test Data: See attached plots and tables

Note:

The DUT was searched from 30MHz to the 10th harmonic of the EUT, and for low, medium and high frequencies.

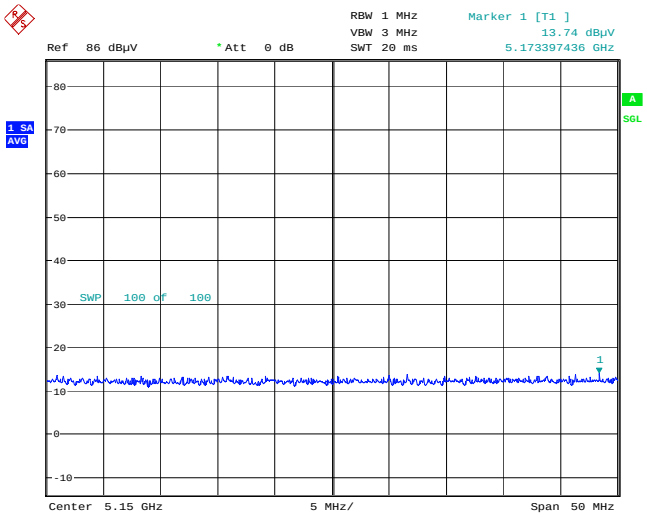
The spectrum analyzer was set to 'Positive Peak' detector mode with RBW/VBW setting as 100KHz/100KHz below 1GHz, and 1MHz/3MHz above 1GHz.

Only worst case was reported.

15dBi Belair Directional Antenna

Band Edge Check, _Ch53, 5265MHz,

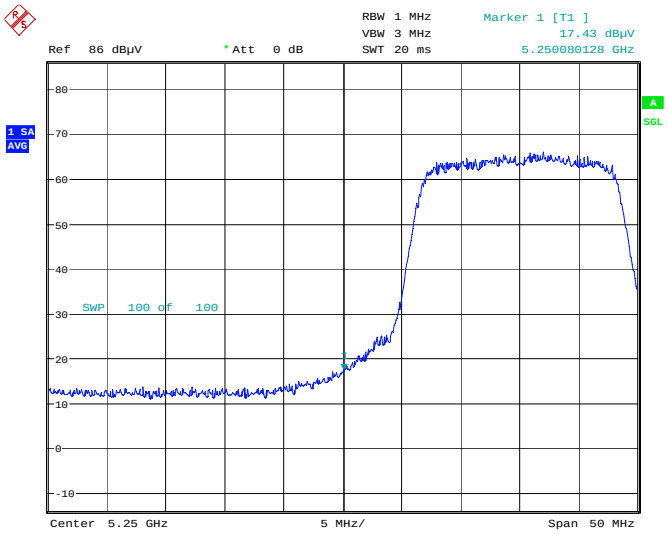
Band Edge Level (dBuV)	Signal Substitution Level (dB)	Emission Level (dBm/MHz)	Limit (dBm/MHz)
13.74	-60.03	-46.29	-27.0



Date: 13.JUL.2006 11:58:57

Band Edge Check, _Ch53, 5265MHz,

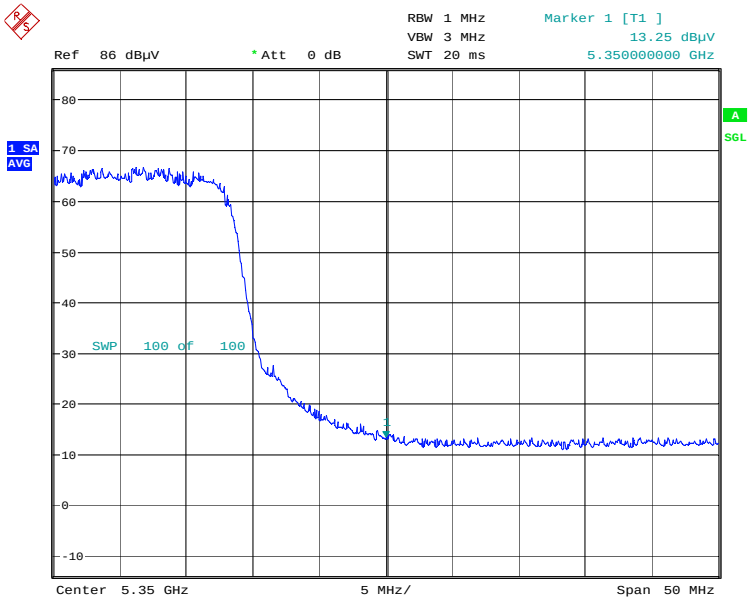
Band Edge Level (dBuV)	Signal Substitution Level (dB)	Emission Level (dBm/MHz)	Limit (dBm/MHz)
17.43	-60.03	-42.6	-27.0



Date: 13.JUL.2006 11:57:46

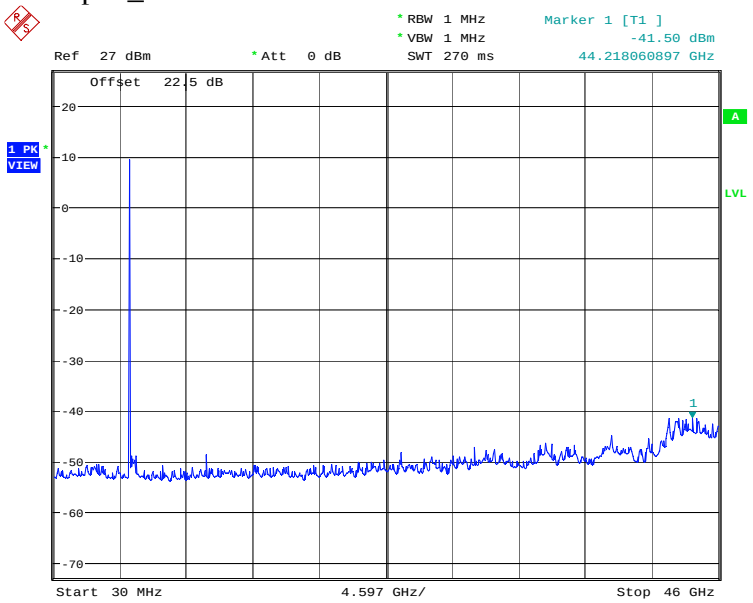
Band Edge Check, _Ch66, 5330MHz,

Band Edge Level (dBuV)	Signal Substitution Level (dB)	Emission Level (dBm/MHz)	Limit (dBm/MHz)
13.25	-60.03	-46.78	-27.0



Date: 13.JUL.2006 12:00:03

Full Span_ Conducted Emissions



Date: 13.JUL.2006 10:08:32

Radiated Emissions Test Data

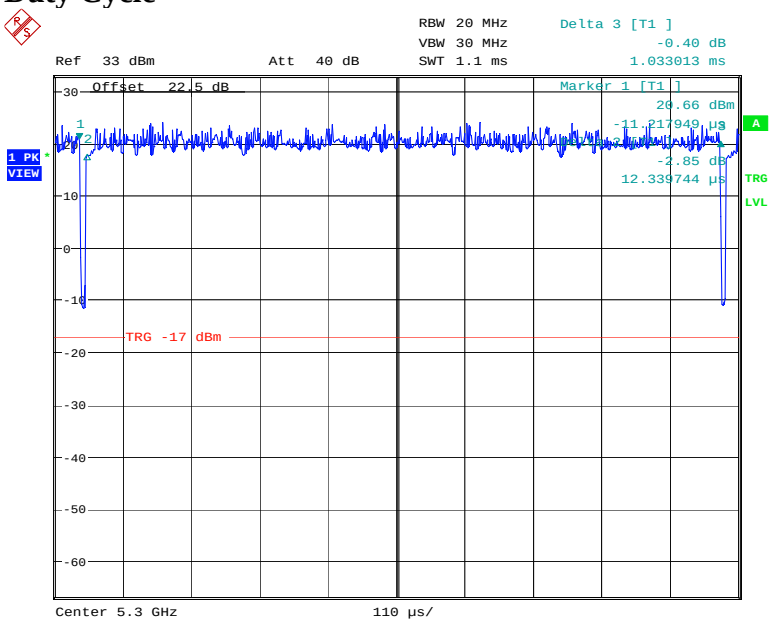
The DUT was searched from 30MHz to the 10th harmonic of the EUT, and for low, medium and high frequencies.

The spectrum analyzer was set to Qausi-Peak detector mode with RBW/VBW setting as 100KHz/100KHz below 1GHz, and peak detector mode with RBW/VBW settings as 1MHz/3MHz above 1GHz.

Only worst case was reported.

Test Date: July 12, 2006										
Engineer's Name: Xu Jin										
Tested as per: Table Top										
Mains Input Voltage: 120VAC							Mains Input Frequency: 60Hz			
Test Distance (meters): 3							Dome: 1			
Freq. (MHz)	Ant.	Pol. V/H	RCVD Signal (dBμV)	Ant. Factor (dB)	Amp. Gain (dB)	Cable Loss (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
39.4000	BC2	V	24.9	11.0	N/A.	1.3	37.2	40.0	2.8	Q-Peak
39.4000	BC2	H	19.9	12.4	N/A.	1.3	33.6	40.0	6.4	Q-Peak
125.0172	BC2	V	24.3	13.6	N/A.	1.8	39.7	43.5	3.8	Q-Peak
125.0172	BC2	H	18.7	12.4	N/A.	1.8	32.9	43.5	10.6	Q-Peak
Legend: Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole Detector Legend: Q-Peak = 120kHz RBW, Average = 1.0MHz RBW, 10Hz VBW, Peak=1.0MHz RBW, 1.0MHz VBW										

Duty Cycle



Date: 14.JUL.2006 14:01:06

Duty Cycle=(1-12.34µs/1033µs)×100%=98.8%

Section 5. Spurious Emissions within Restricted Bands

Criteria: Clause 15.407(b)(7)

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

Criteria: Clause 15.209(a) Radiated Emissions within Restricted Bands

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F (kHz)	300
0.490-1.705	24000/F (kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Conditions:

Sample Number:	1,2,3,4	**Temperature:**	22 ºC
Date:	July 13, 2006	**Humidity:**	50%
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

Test Result: Complies

Test Data: See attached plots and tables

Note:

The DUT was searched for low, medium and high frequencies.

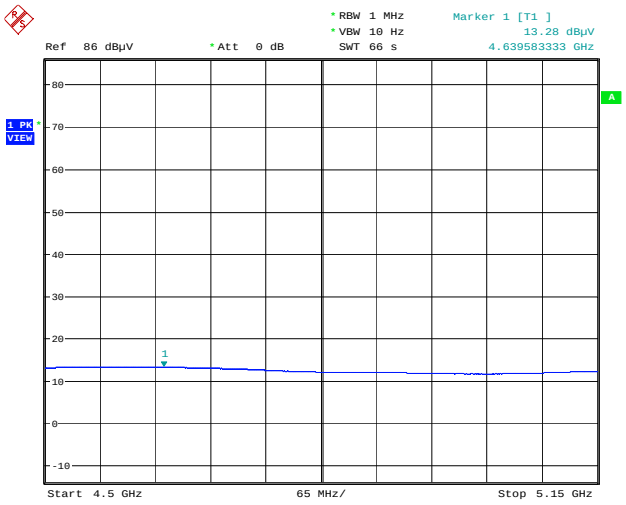
The spectrum analyzer was set to Peak detector mode with RBW/VBW setting as 1MHz/10Hz as average measurement, and peak detector mode with RBW/VBW settings as 1MHz/1MHz as the peak measurement.

Only worst case was reported.

Restricted Band Check

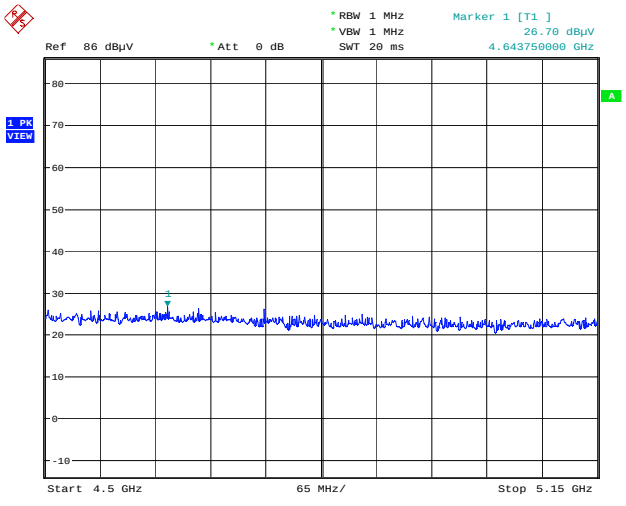
4.5GHz-5.15GHz Range -----Ch53, 5265MHz

Band Edge Level (Avg) (dBµv)	Af (dB/m)	Cable Loss (dB)	Emission Level (dBµv/m)	Limit (dBµv/m)
13.28	34.5	4	51.78	54



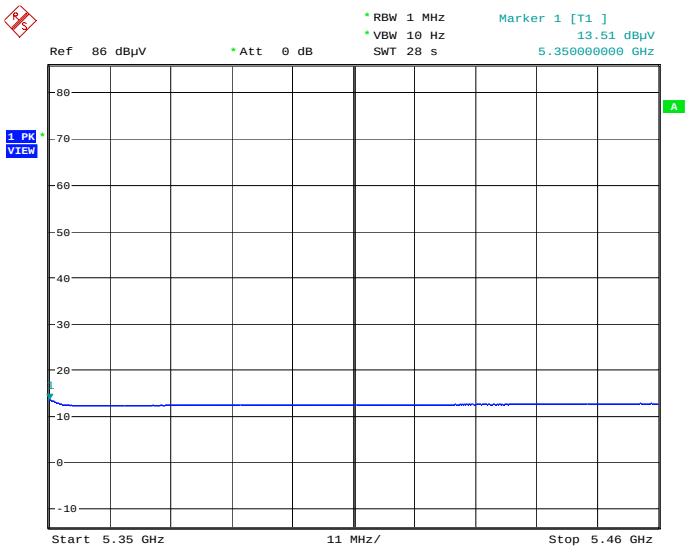
4.5GHz-5.15GHz Range---Ch53 5265MHz

Band Edge Level (PK) (dBµv)	Af (dB/m)	Cable Loss (dB)	Emission Level (dBµv/m)	Limit (dBµv/m)
26.70	34.5	4	65.2	74



5.35GHz-5.46GHz Range---Ch66, 5330MHz

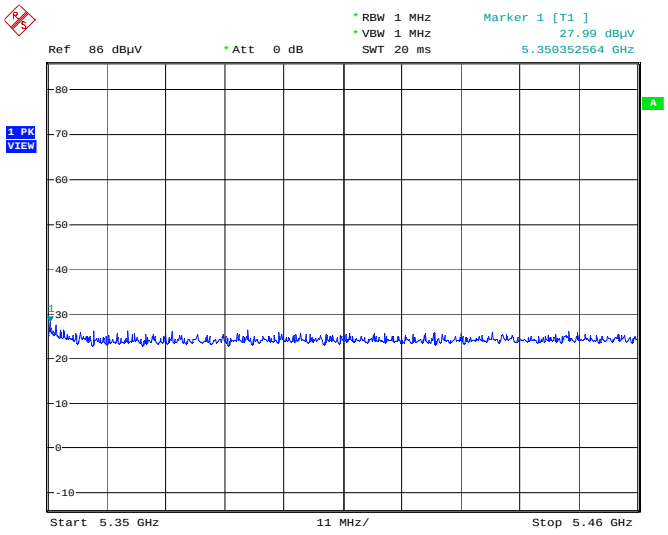
Band Edge Level (Avg) (dBµv)	Af (dB/m)	Cable Loss (dB)	Emission Level (dBµv/m)	Limit (dBµv/m)
13.51	34.5	4	52.01	54



Date: 13.JUL.2006 13:29:31

5.35GHz-5.46GHz Range --- Ch66, 5330MHz

Band Edge Level (Avg) (dBµv)	Af (dB/m)	Cable Loss (dB)	Emission Level (dBµv/m)	Limit (dBµv/m)
27.99	34.5	4	66.49	74



Date: 13.JUL.2006 13:28:01

Section 6. Peak Power Spectrum Density

Criteria: Clause 15.407(a)(2)

In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Conditions:

Sample Number:	1,2, 3	**Temperature:**	22 °C
Date:	July 12, 2006	**Humidity:**	50 %
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

Test Method: Test was conducted according to FCC Public Notice: DA 02-2138

Test Result: Complies

Test Data: See Attached Tables and Graphics

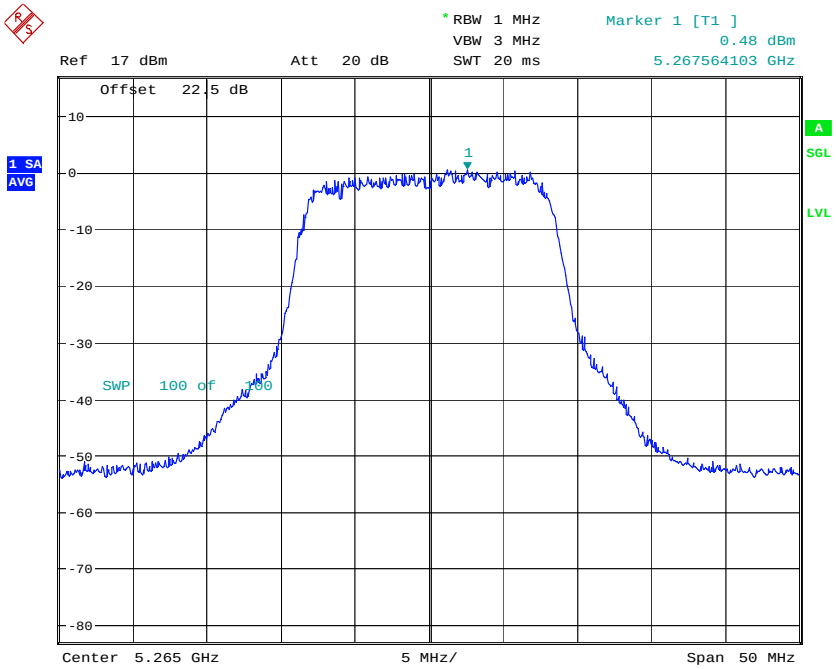
15dBi Belair Directional Antenna
PPSD Measurement Data (dBm/MHz)

Frequency (MHz)	Data Rate 6 Mb/s	Data Rate 54 Mb/s
5265	0.48	0.58
5300	0.85	0.93
5330	0.49	0.81

The Maximum PPSD Value
=0.93dBm/MHz

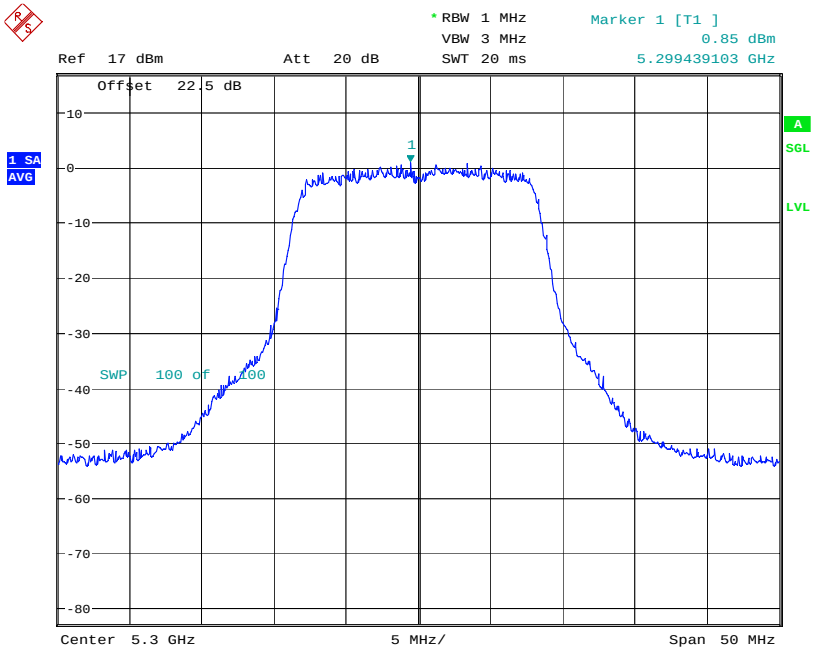
Limit: Conducted PPSD Limit for 15dBi Belair Directional Antenna
11Bm/MHz -(15dBi-6dBi)=2dBm/MHz

6Mb/s---5265MHz



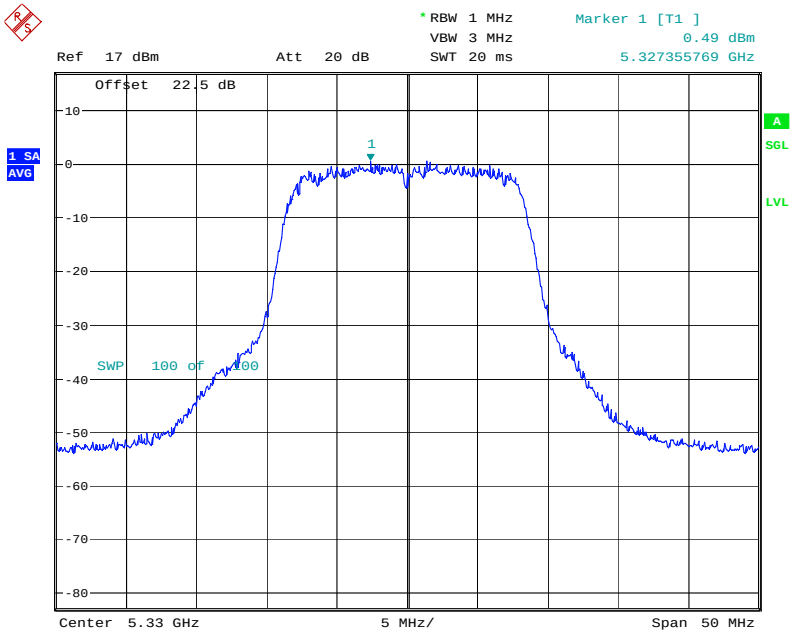
Date: 12.JUL.2006 15:56:38

6Mb/s---5300MHz



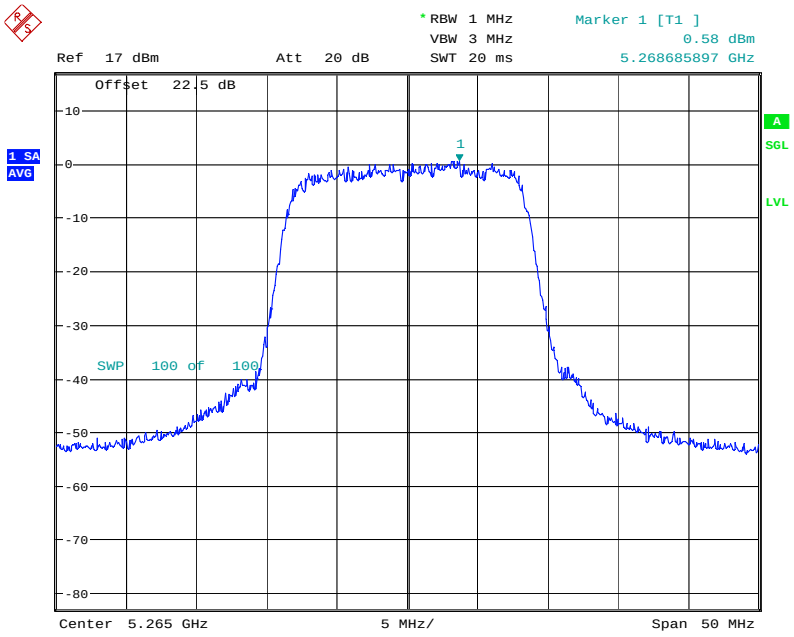
Date: 12.JUL.2006 15:57:34

6Mb/s---5330MHz



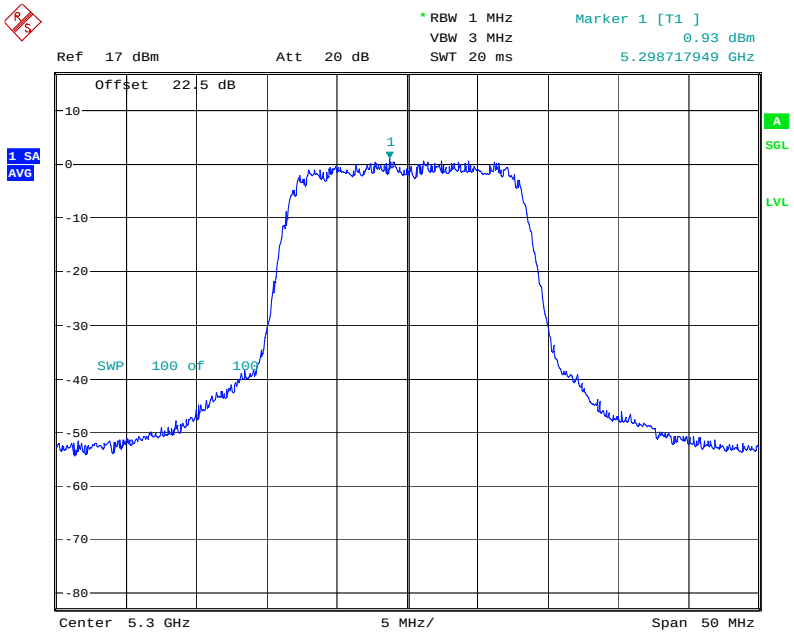
Date: 12.JUL.2006 15:59:45

54Mb/s---5265MHz



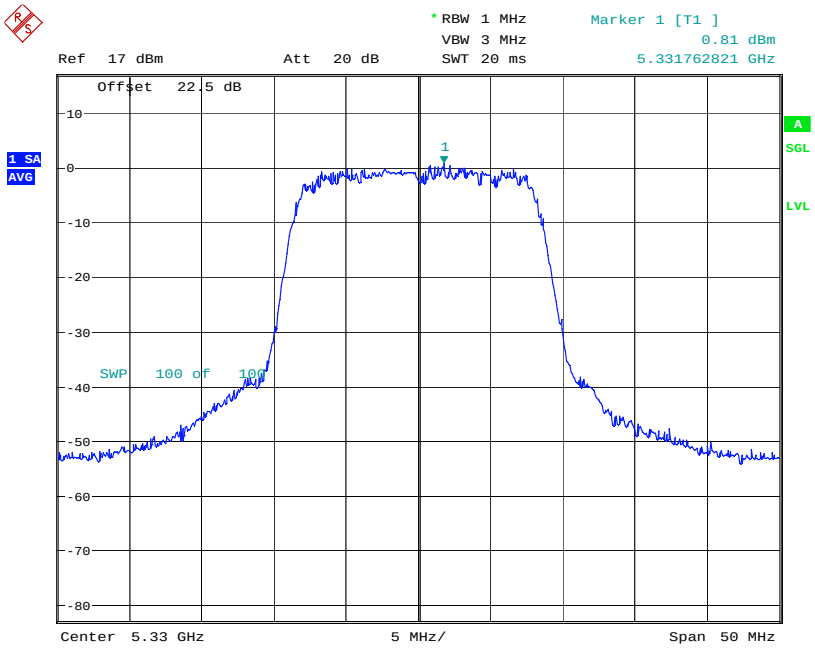
Date: 12.JUL.2006 15:55:36

54Mb/s---5300MHz



Date: 12.JUL.2006 15:58:29

54Mb/s---5330MHz



Date: 12.JUL.2006 16:00:42

Section 7. Supply Voltage Variation

Criteria: Clause 15.31

§ 15.31 (e) For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery-operated equipment, the equipment tests shall be performed using a new battery.

Test Conditions:

Sample Number:	1,2,3	**Temperature:**	24 °C
Date:	July.14, 2006	**Humidity:**	50 %
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

Test Method: Average power was verified under voltage extreme conditions using a wideband power meter with thermocouple detector.

Extreme Voltage: ±15% of AC Mains

Test Result: No major changed was noticed during the test. Refer to the attached tables.

	120VAC	Low Voltage Extreme		High Voltage Extreme	
Frequency	Ave. Power	Ave. Power	Deviation	Ave. Power	Deviation
5265MHz	14.34dBm	14.21dBm	0.91%	14.38dBm	0.28%

Section 8. Peak Excursion Measurement

Criteria: Clause 15.407(a)(6)

(6) The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

Test Conditions:

Sample Number:	1,2,3	**Temperature:**	22 °C
Date:	July 13, 2006	**Humidity:**	45 %
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

Test Method: Test was conducted according to FCC Public Notice: DA 02-2138

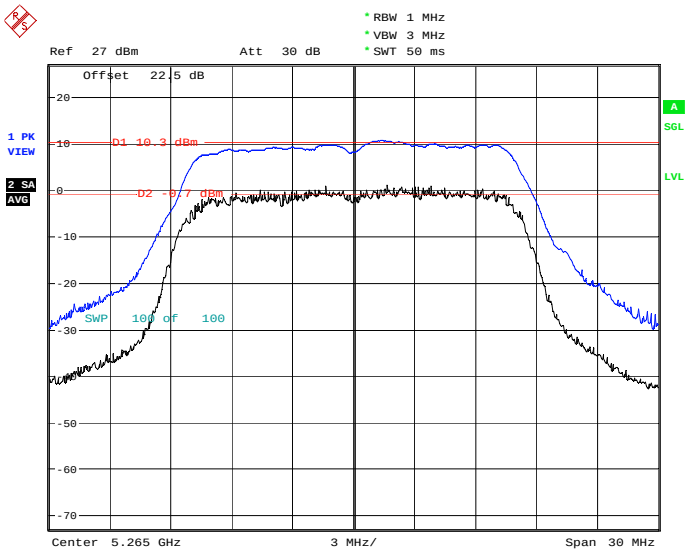
Test Result: Complies

Test Data: See attached tables and graphics

15dBi Belair Directional Antenna
Peak Excursion Measurement Data (dB)

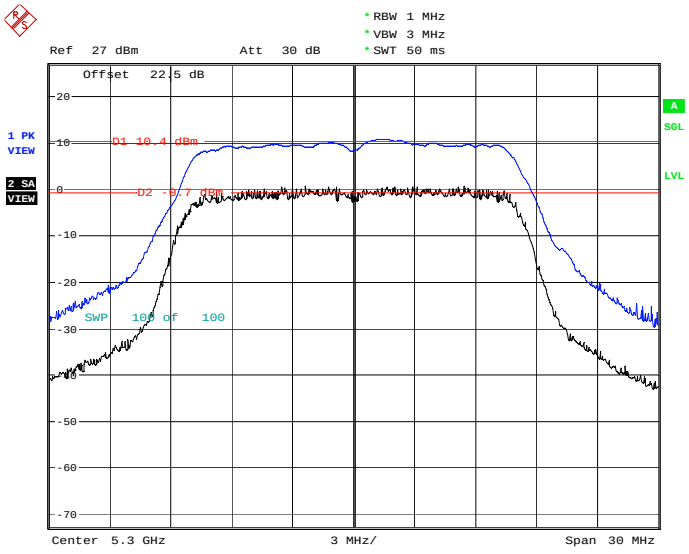
Frequency (MHz)	Data Rate 6 Mb/s	Data Rate 54 Mb/s
5265	11	11.2
5300	11.1	11.5
5330	10.8	11.8

6Mb/s---5265MHz



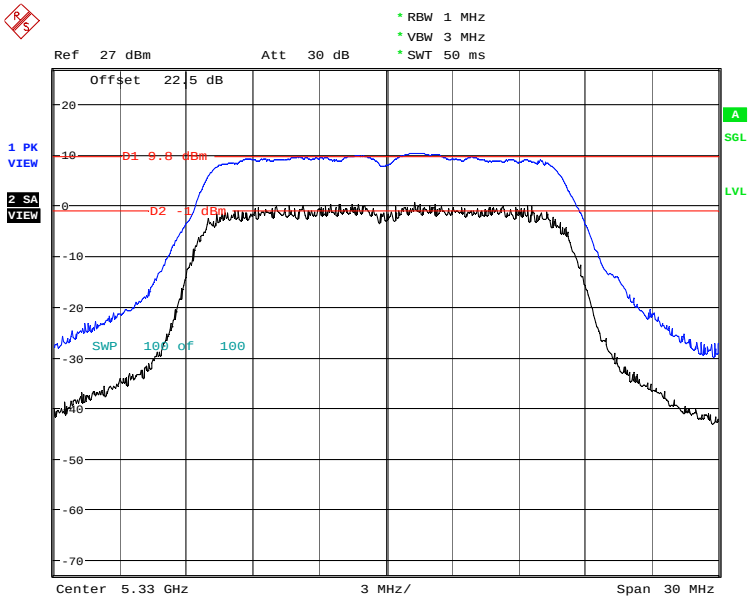
Date: 13.JUL.2006 09:40:40

6Mb/s---5300MHz



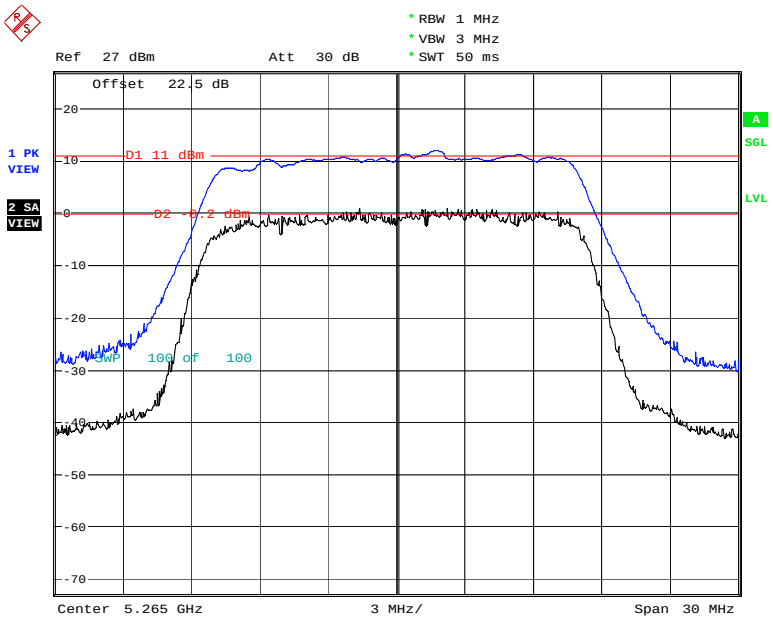
Date: 13.JUL.2006 09:45:50

6Mb/s---5330MHz



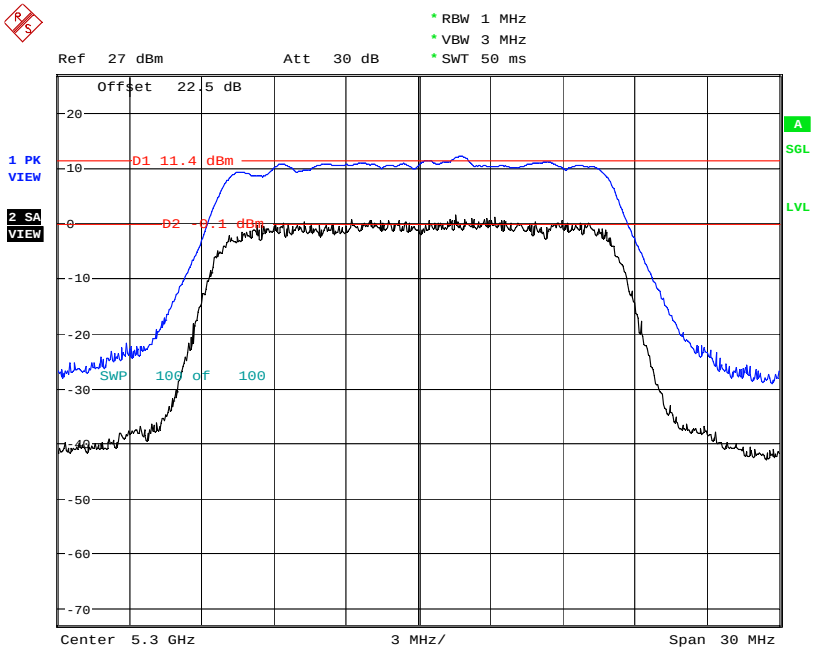
Date: 13.JUL.2006 09:50:26

54Mb/s---5265MHz



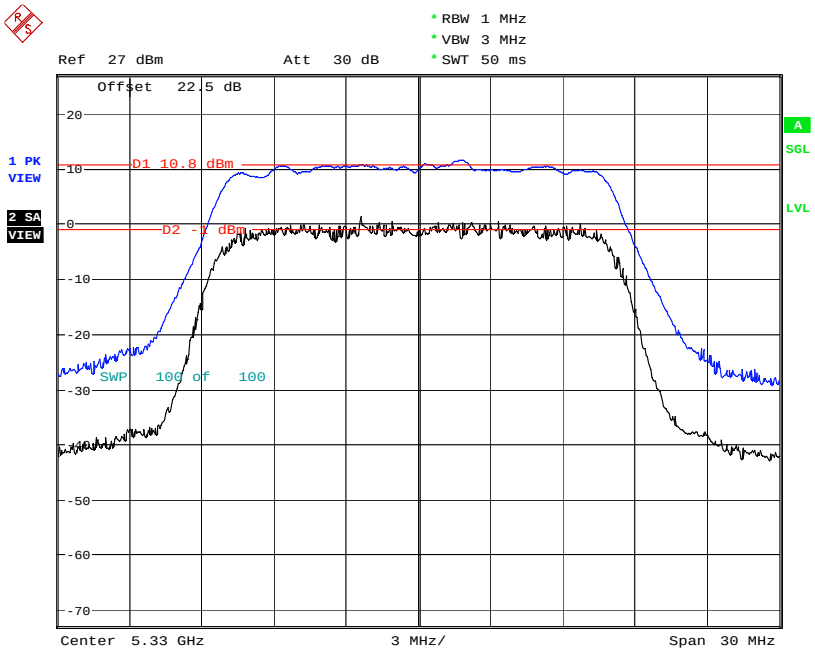
Date: 13.JUL.2006 09:43:11

54Mb/s---5300MHz



Date: 13.JUL.2006 09:47:28

54Mb/s---5330MHz



Date: 13.JUL.2006 09:51:57

Section 9. Frequency Stability

Clause 15.407(g)

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

Test Conditions:

Sample Number:	1,2,3	**Temperature:**	24 °C
Date:	July. 14, 2006	**Humidity:**	50 %
Modification State:	0	**Tester:**	Xu Jin
		Laboratory:	Ottawa

Test Results: Complies

Test Conditions Ambient Temperature: 24°C
Extreme Temperature: -30°C to +50°C
Extreme Voltage Conditions: +/-15% of 120VAC

Test Data: See Attached tables

Frequency Stability Test Data

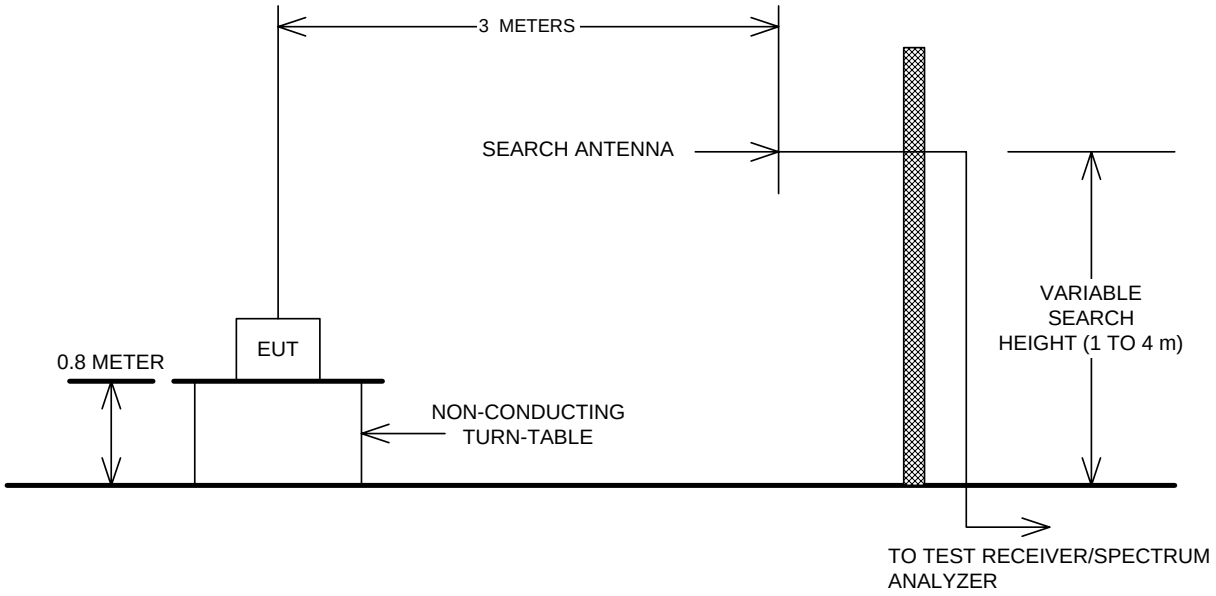
Test Condition	Measured Frequency (MHz)	Frequency Drift (ppm)
+24°C, 120VAC	5300.001373	----
+24°C, 102VAC	5300.001364	-0.002
+24°C, 138VAC	5300.001358	-0.003
+50°C, 120VAC	5299.973719	-5.218
+40°C, 120VAC	5299.981377	-3.773
+30°C, 120VAC	5299.986775	-2.754
+20°C, 120VAC	5300.001706	0.063
+10°C, 120VAC	5300.003552	0.411
0°C, 120VAC	5300.005548	0.788
-10°C, 120VAC	5300.021249	3.750
-20°C, 120VAC	5300.038549	7.014
-30°C, 120VAC	5300.045961	8.413

Appendix B: Setup Photographs

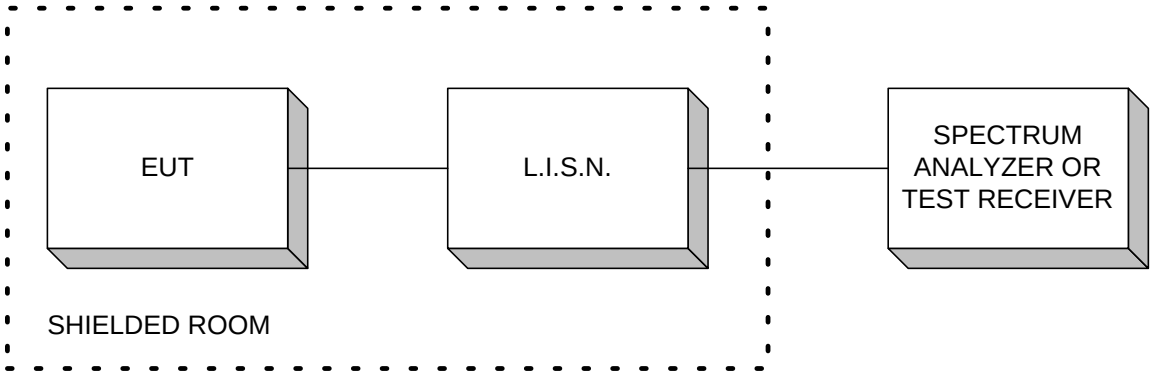
Radiated Emission Setup Photos

Appendix C : Block Diagram of Test Setups

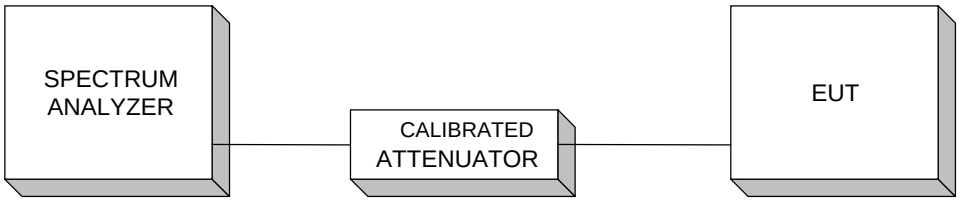
Test Site For Radiated Emissions



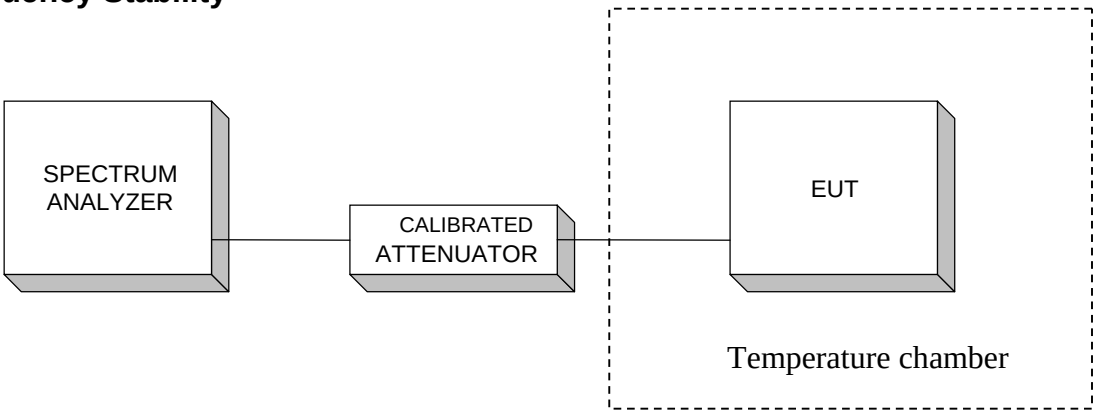
Conducted Emissions



Conducted Measurements



Frequency Stability



TIA/EIA 603, Signal Substitution Method