FCC TEST REPORT

REPORT NO.: RF90021902
MODEL NO.: LM-WS110, LM-WS130
RECEIVED: February 19, 2001
TESTED: February 26, 2001

APPLICANT: Delta Networks, Inc.

ADDRESS: No.8, Kon Jan West Road, Liutu Industrial Zone, Keelung, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: 13-1, Lane 19, Wen Shan 3rd St., Kweishan, Taoyuan Hsien, Taiwan, R.O.C.

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1 CERTIFICATION

PRODUCT :	11Mbps Wireless Access Point
BRAND NAME :	Delta Networks
MODEL NO. :	LM-WS110, LM-WS130
APPLICANT :	Delta Networks, Inc.
OEM BRAND HOLDER :	Netgear Inc.
OEM BRAND NAME :	Netgear
OEM MODEL NO. :	ME102
ADDRESS :	4401 Great America Parkway, P.O. Box 58185 MS SCI-02, Santa Clara, CA 95052-8185, U.S.A.
STANDARDS :	47 CFR Part 15, Subpart C (Section 15.247), ANSI C63.4-1992
SITE REGISTERATION NO. :	90422 (FCC) IC 3789-5 (Canada IC)

We, **Advance Data Technology Corporation**, hereby certify that one sample LM-WS110, of the designation has been tested in our facility on February 26, 2001.

The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions herein specified.

Tested by : Steven Lu , Date: Mar. 2. 2001
Steven Lu

Prepared by : Demi Chen , Date: Mar. 2, 2001
Demi Chen

Approved by : Alan Lane , Date: Mar. 2, 2001
Dr. Alan Lane, Manager

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2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: 47 CFR Part 15, Subpart C			
STANDARD PARAGRAPH	**TEST REQUIREMENTS**	**RESULT**	**REMARK**
15.107	AC Power Conducted Emissions Spec.: 48 dBuV	Yes	Minimum passing margin is –12.56dBuV At 0.54819MHz
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Spec.: min. 500 Khz	Yes	9.47 MHz > 500 kHz
15.247(b)	Maximum Peak Output Power Spec.: max. 30 dBm	Yes	18.10 dBm < 30 dBm
15.247(c)	Transmitter Radiated Emissions Spec.: Table 15.209	Yes	Minimum passing margin is –1.6 dBuV At 220.00 MHz
15.247(d)	Power Spectral Density Spec.: max. 8dBm	Yes	-11.98dBm < 8 dBm
15.247(c)	Band Edge Measurement	Yes	N/A
15.247(e)	Processing Gain of Direct Sequence Spread Spectrum System Spec.: min. 10 dB	Yes	11.4dB≧10dB

NOTE:

The receiver portion of the EUT has been tested in ADT. The test result has been verified to comply with FCC Part 15, Subpart B, Class B – Computing Devices (FCC DoC). The engineering test report can be provided upon FCC requests.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	11Mbps Wireless Access Point
MODEL NO.	LM-WS110, LM-WS130
POWER SUPPLY	5VDC from power adapter
DATA CABLE	RJ45 Cable
I/O PORTS	NA
MODULATION TYPE	CCK, BPSK, QPSK
RADIO TECHNOLOGY	DSSS
TRANSFER RATE	1/2/5.5/11Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
OUTPUT POWER	13dBm
ANTENNA TYPE	Dual Monopole
ASSOCIATED DEVICES	NA
DESCRIPTION OF MODELS	This device is connected with notebook through RJ45 port.

3.2 DESCRIPTION OF TEST MODES

1.Eleven channels are provided in this EUT.

Channel	Frequency	Channel	Frequency
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		

2.There are two models for this product, only plastic housings are different for these two models, which won't influence the emission nature.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a 11Mbps Wireless Access Point, according to the specifications of the manufacturers, it must comply with the requirements of the following standards:

FCC CFR 47 Part 15, Subpart C. (15.247)

All tests have been performed and recorded as per the above standards.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No	Product	Brand	Model No.	Serial No.	I/O Cable
1	PC	NTI	PII-233	P201096	Nonshielded Signal (10m)
2	MONITOR	HP	D2842A	KR93473168	Shielded Signal (1.8m)
3	KEYBOARD	BTC	5121W	A00800775	Shielded Signal (1.6m)
4	MOUSE	HP	M-S34	NA	Shielded Signal (1.5m)

4 TEST PROCEDURES AND TEST RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.45 – 30	48	-	48	-

Notes:

1. The lower limit shall apply at the transition frequencies.
2. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESHS30	828109/007	July 6, 2001
ROHDE & SCHWARZ Artificial Mains Network	ESH3-Z5	839135/006	July 9, 2001
ROHDE & SCHWARZ 4-wire ISN	ENY41	835154/007	Apr. 26, 2001
EMCO-L.I.S.N.	3825/2	9204-1964	July 9, 2001
Shielded Room	Site 2	ADT-C02	NA

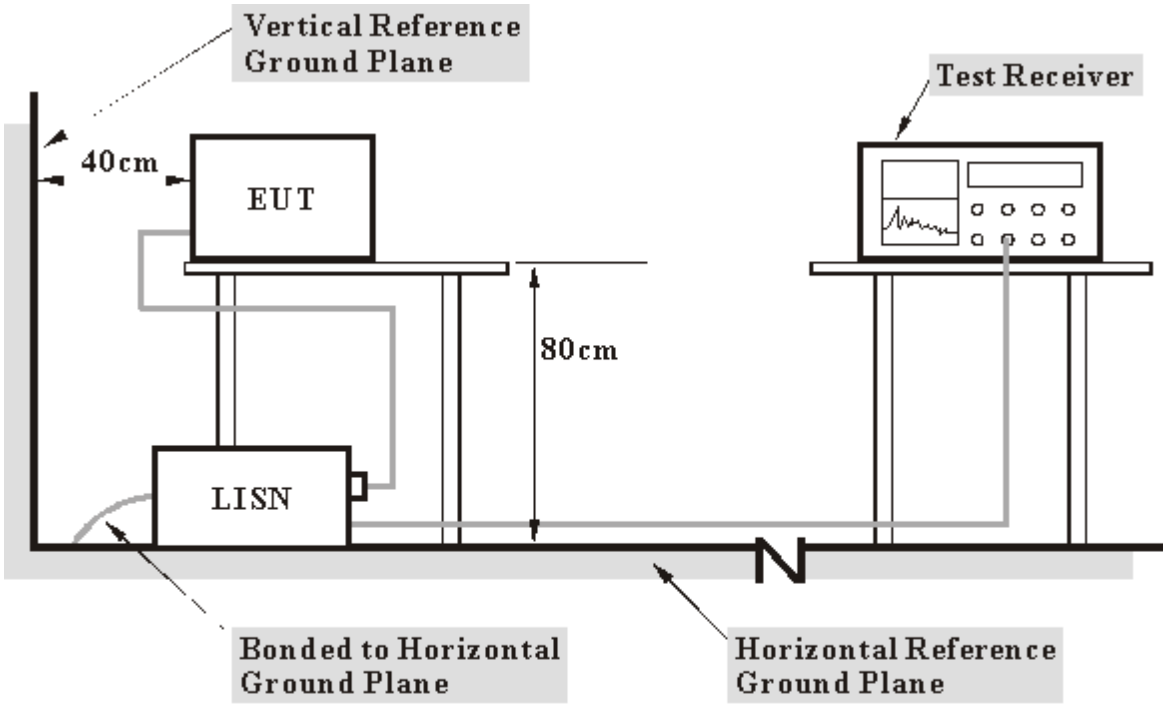
Notes:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months.
   And the calibrations are traceable to NML/ROC and NIST/USA.

4.1.3 TEST PROCEDURES

1. Place the EUT at 0.4 meter away from the conduction wall of the shielded room.
2. Connect the EUT to the power mains through a Line Impedance Stabilization Network (LISN).
3. Connect the other support units to the other LISN too.
4. Make sure the 50Ω/ 50μH coupling impedance is provided to the measurement instrument by the LISNs.
5. Measure the maximum conducted interference on both lines of the power mains connects to the EUT, within frequency range 450KHz ~ 30MHz.
6. The emission level under limit by 10dB is not needed to be reported.

4.1.4 TEST SETUP



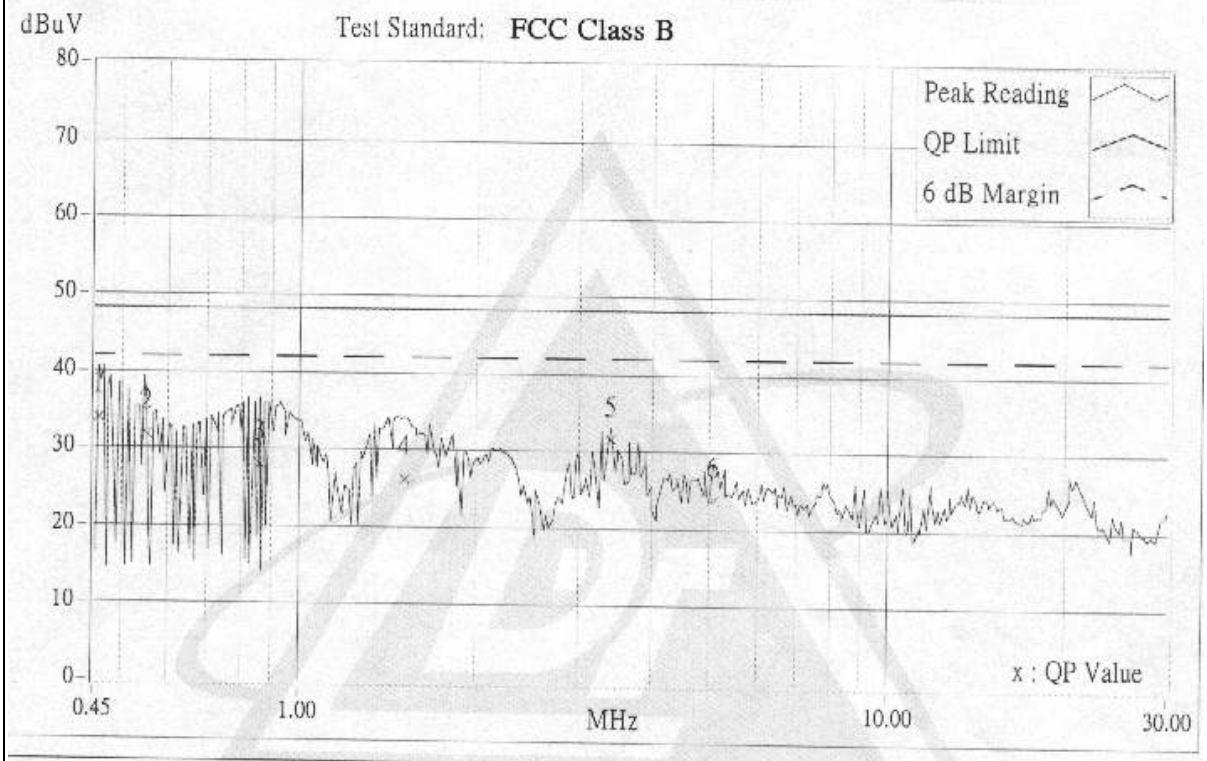
Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

For the actual test configuration, please refer to the related Item in this test report (**Photographs of the Test Configuration**).

4.1.5 TEST RESULTS

Brand / Model : LM-WS100
Test Mode :
Power Source :
Remark : CH 1
Tested by : STEVEN

ocation: Conduction 2 Date: 2001/2/21 Time: AM 09:37:34 Phase: L1
emperatuer (C): 20 Humidity (%): 70 Approved by:

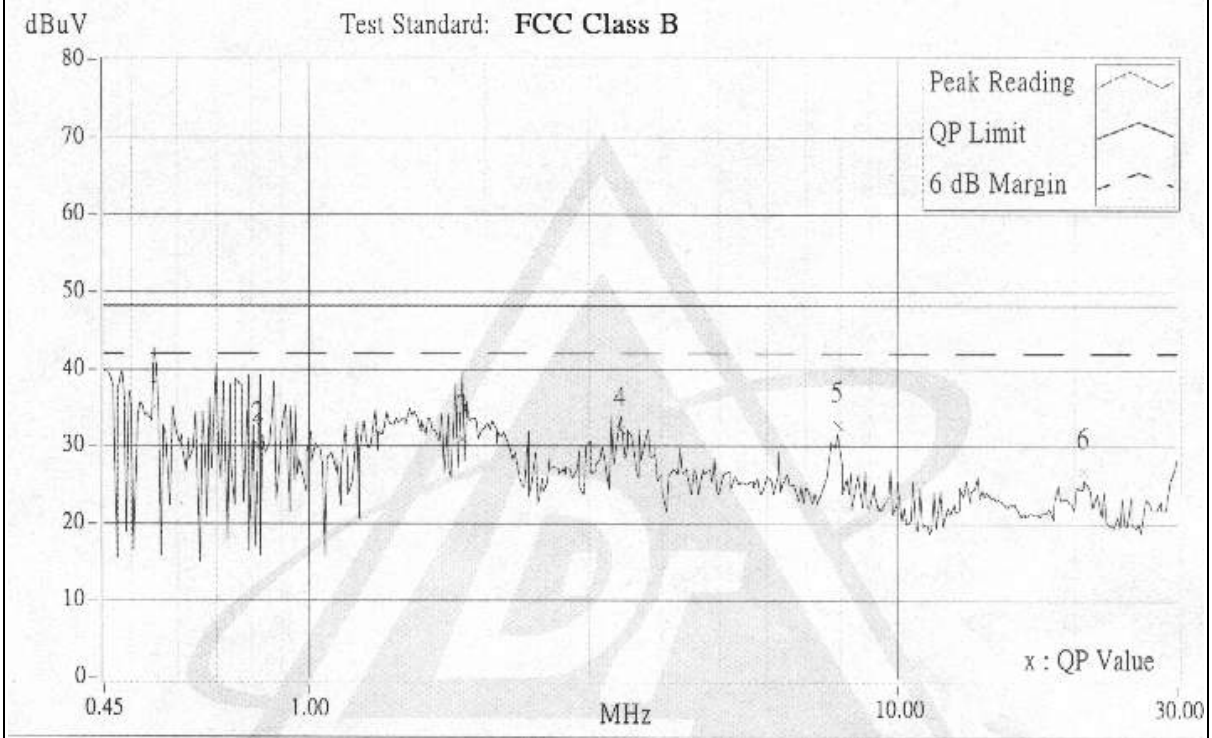


	Frequency	Corr. Factor	Reading dBuV	Emission dBuV	Limit dBuV	Margins dB
No.	MHz	dB	QP	QP	QP	QP
+1	0.45773	0.20	34.03	34.23	48.00	-13.77
2	0.55121	0.20	32.00	32.20	48.00	-15.80
3	0.86116	0.20	28.09	28.29	48.00	-19.71
4	1.51709	0.20	26.18	26.38	48.00	-21.62
5	3.38527	0.34	31.48	31.82	48.00	-16.18
6	5.09346	0.45	24.01	24.46	48.00	-23.54

Brand / Model : LM-WS100
Test Mode :
Power Source :
Remark : CH 1
Tested by : STEVEN

Location: Conduction 2 Date: 2001/2/21 Time: AM 09:42:27 Phase: N

Temperatuer (C): 20 Humidity (%): 70 Approved by:

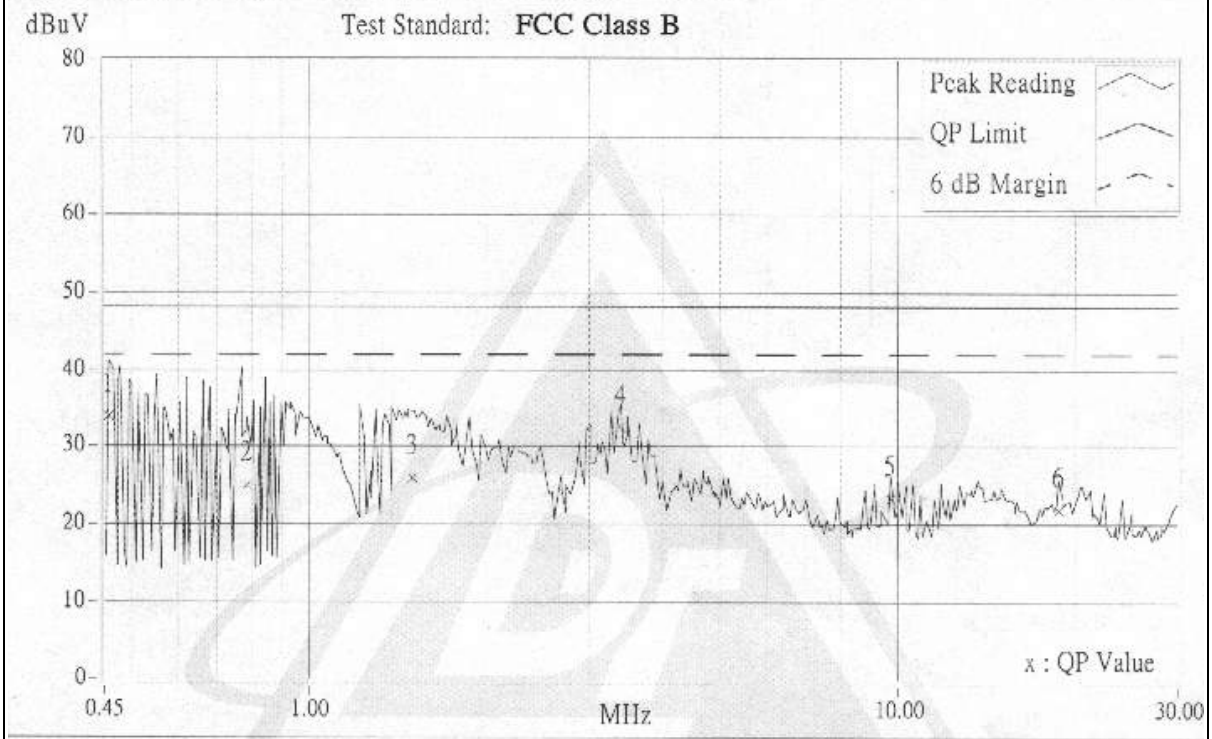


	Frequency	Corr. Factor	Reading dBuV	Emission dBuV	Limit dBuV	Margins dB
No.	MHz	dB	QP	QP	QP	QP
+1	0.54819	0.20	35.24	35.44	48.00	-12.56
2	0.82372	0.20	30.17	30.37	48.00	-17.63
3	1.81796	0.20	30.96	31.16	48.00	-16.84
4	3.38701	0.34	32.22	32.56	48.00	-15.44
5	7.92236	0.53	32.85	33.38	48.00	-14.62
6	20.83227	1.05	26.84	27.89	48.00	-20.11

Brand / Model : LM-WS100
Test Mode :
Power Source :
Remark : CH 6
Tested by : STEVEN

Location: Conduction 2 Date: 2001/2/21 Time: AM 09:54:47 Phase: L1

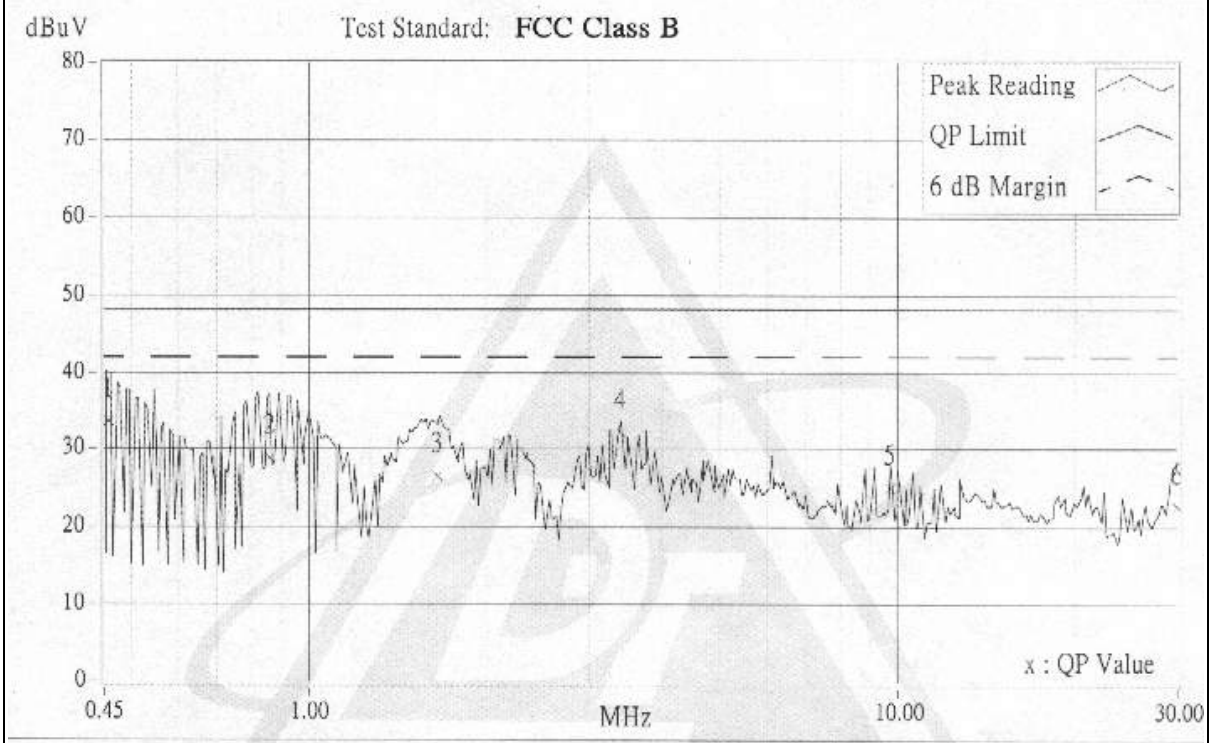
Temperatuer (C): 20 Humidity (%): 70 Approved by:



	Frequency	Corr. Factor	Reading dBuV	Emission dBuV	Limit dBuV	Margins dB
No.	MHz	dB	QP	QP	QP	QP
+1	0.45890	0.20	33.95	34.15	48.00	-13.85
2	0.78361	0.20	25.20	25.40	48.00	-22.60
3	1.49507	0.20	25.85	26.05	48.00	-21.95
4	3.39509	0.34	32.46	32.80	48.00	-15.20
5	9.76544	0.69	23.23	23.92	48.00	-24.08
6	18.81033	1.08	21.98	23.06	48.00	-24.94

Brand / Model : LM-WS100
Test Mode :
Power Source :
Remark : CH 6
Tested by : STEVEN

Location: Conduction 2 Date: 2001/2/21 Time: AM 09:49:25 Phase: N
Temperatuer (C): 20 Humidity (%): 70 Approved by:

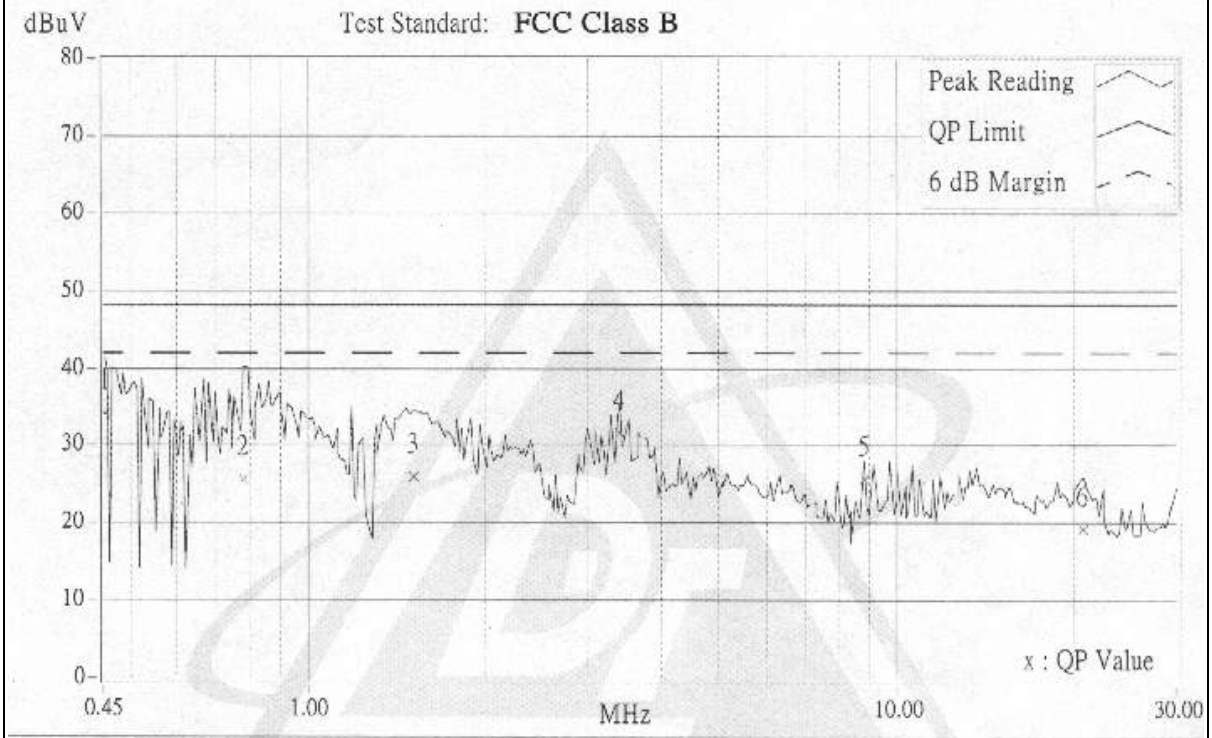


	Frequency	Corr. Factor	Reading dBuV	Emission dBuV	Limit dBuV	Margins dB
No.	MHz	dB	QP	QP	QP	QP
+1	0.45615	0.20	33.71	33.91	48.00	-14.09
2	0.85752	0.20	28.85	29.05	48.00	-18.95
3	1.65850	0.20	26.61	26.81	48.00	-21.19
4	3.38607	0.34	32.06	32.40	48.00	-15.60
5	9.76906	0.59	25.12	25.71	48.00	-22.29
6	29.91500	1.40	22.80	24.20	48.00	-23.80

Brand / Model : LM-WS100
Test Mode :
Power Source :
Remark : CH 11
Tested by : STEVEN

Location: Conduction 2 Date: 2001/2/21 Time: AM 09:58:58 Phase: L1

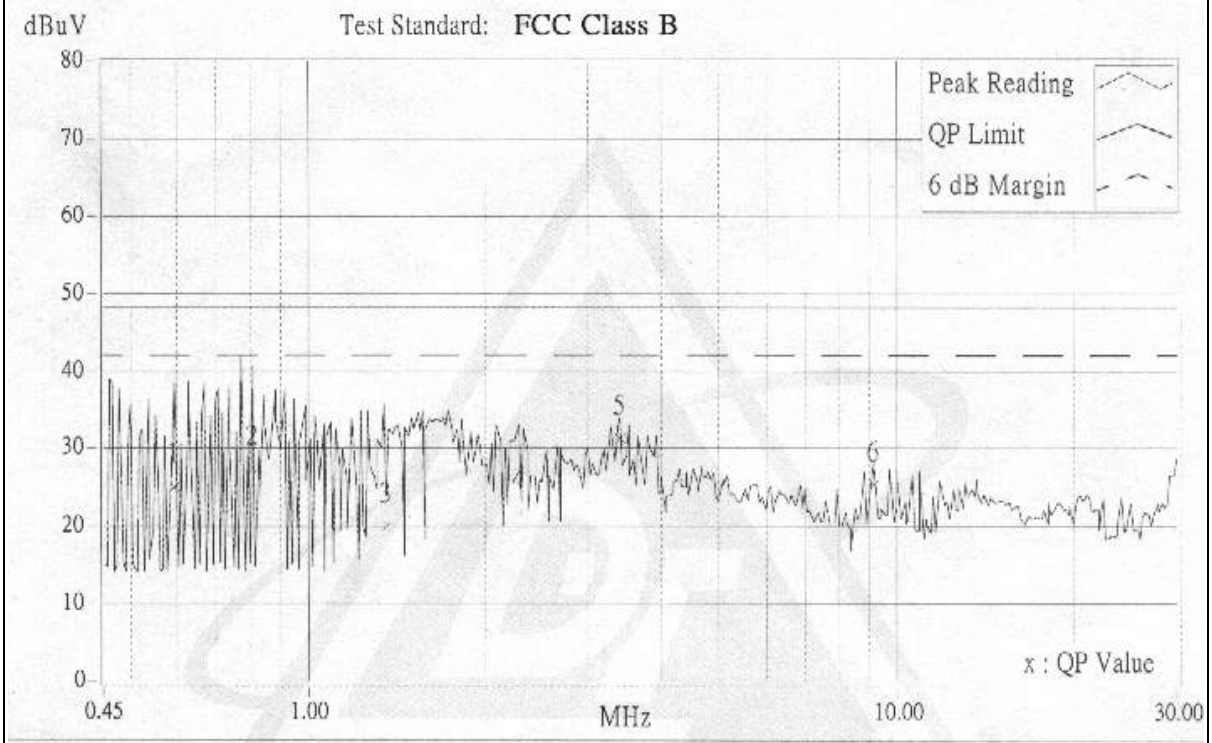
Temperatuer (C): 20 Humidity (%): 70 Approved by:



	Frequency	Corr. Factor	Reading dBuV	Emission dBuV	Limit dBuV	Margins dB
No.	MHz	dB	QP	QP	QP	QP
+1	0.45300	0.20	34.31	34.51	48.00	-13.49
2	0.77945	0.20	25.75	25.95	48.00	-22.05
3	1.51027	0.20	25.96	26.16	48.00	-21.84
4	3.38848	0.34	31.60	31.94	48.00	-16.06
5	8.85500	0.64	25.61	26.25	48.00	-21.75
6	20.68400	1.14	19.14	20.28	48.00	-27.72

Brand / Model : LM-WS100
Test Mode :
Power Source :
Remark : CH 11
Tested by : STEVEN

Location: Conduction 2 Date: 2001/2/21 Time: AM 10:01:42 Phase: N
Temperatuer (C): 20 Humidity (%): 70 Approved by:



	Frequency	Corr. Factor	Reading dBuV	Emission dBuV	Limit dBuV	Margins dB
No.	MHz	dB	QP	QP	QP	QP
1	0.59380	0.20	25.08	25.28	48.00	-22.72
2	0.80589	0.20	27.49	27.69	48.00	-20.31
3	1.35464	0.20	19.99	20.19	48.00	-27.81
4	2.28101	0.23	21.74	21.97	48.00	-26.03
+5	3.38700	0.34	31.16	31.50	48.00	-16.50
6	9.15947	0.57	25.40	25.97	48.00	-22.03

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Field strength limits are at the distance of 3 meters, emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field Strength of Fundamental	
	µV/meter	dBµV/meter
30-88	100	40.0
88-216	150	43.5
216-960	200	46.0
Above 960	500	54.0

As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

LIMIT OF RADIATED EMISSION OF FCC PART 15, SUBPART B FOR FREQUENCY ABOVE 1000 MHz

FREQUENCY (MHz)	Class A (at 10m)		Class B (at 3m)	
	uV/m	dBuV/m	uV/m	dBuV/m
Above 1000	300	49.5	500	54.0

Note: 1 The lower limit shall apply at the transition frequencies.
2 Emission level (dBuV/m) = 20 log Emission level (uV/m).
3 All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8590L	3544A01176	Apr. 18, 2001
HP Preamplifier	8447D	2944A08485	Apr. 27, 2001
HP Preamplifier	8347A	3307A01088	Sep. 04, 2001
ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Aug. 3, 2001
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	N/A
CHASE BILOG Antenna	CBL6112A	2221	Aug. 4, 2001
SCHWARZBECK Horn Antenna	BBHA9120-D	D130	Jul. 9, 2001
SCHWARZBECK Horn Antenna	BBHA9170	123	Jan. 30, 2001
EMCO Turn Table	1060	1115	N/A
SHOSHIN Tower	AP-4701	A6Y005	N/A
Open Field Test Site	Site 5	ADT-R05	Aug. 08, 2001

Notes:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.

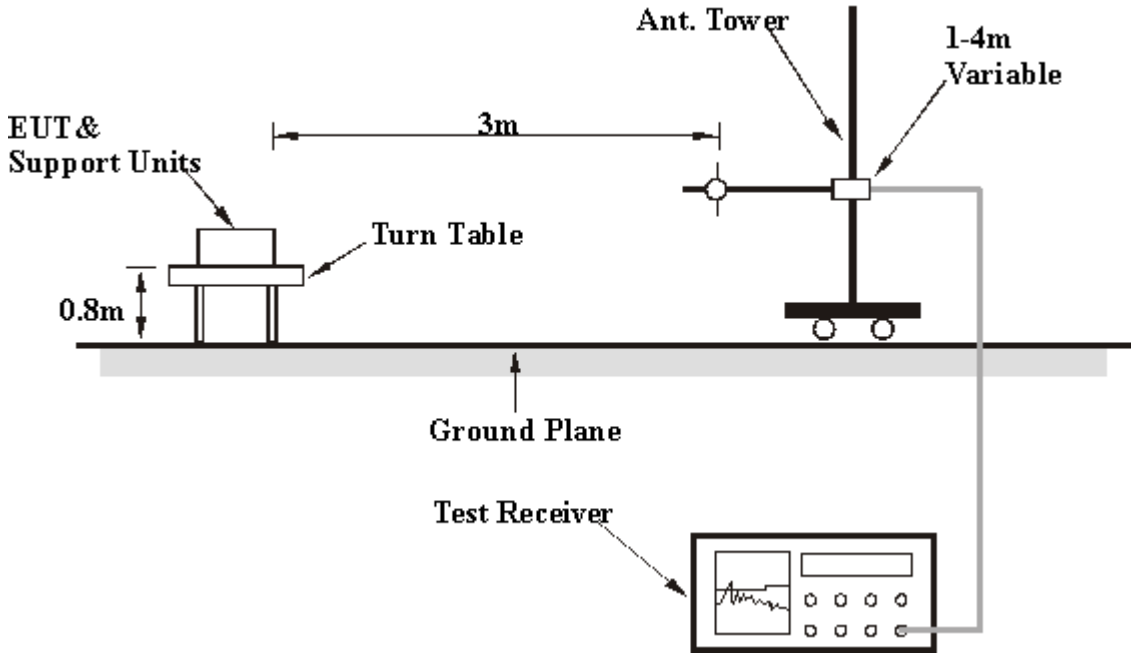
4.2.3 TEST PROCEDURES

1. The EUT was placed on the turn table 0.8 meter above ground in 3 meter open area test site.
2. Set the resolution bandwidth to 120KHz in the test receiver and select Peak function to scan the frequency below 1 GHz.
3. Shift the interference-receiving antenna located in antenna tower upwards and downwards between 1 and 4 meters above ground and find out the local peak emission on frequency domain.
4. Locate the interference-receiving antenna at the position where the local peak reach the maximum emission.
5. Rotate the turn table and stop at the angle where the measurement device has maximum reading
6. Shift the interference-receiving antenna again to detect the maximum emission of the local peak
7. If the reading of the local peak under Peak function is lower than limit by 6dB, then Quasi Peak detection is not needed and this reading should be recorded. And if it is higher than Peak limit, then the test is fail. Others, switch the receiver to Quasi Peak function, set the resolution bandwidth to 100kHz and repeat the procedures C ~ F. If the reading is lower than limit, this reading should be recorded, otherwise, the test is fail.
8. Set the resolution and video bandwidth of the spectrum analyzer to 1MHz and repeat procedures C ~ F for frequency band from 1 GHz to 10 times carrier frequency.
9. If the reading for the local peak is lower than the Average limit, no further testing is needed in this local peak and this reading should be recorded. If it is higher than Average limit but lower than Peak limit, then set the resolution bandwidth to 1MHz and video bandwidth to 300Hz. Repeat procedures C ~ F. If the maximum reading is lower than Average limit, then this reading should be recorded. If it is higher, then the test is fail.

Notes:

1. The frequency range of verification is either from 30 MHz to 1GHz or from 30 MHz up to 10 times carrier frequency of EUT (whichever is the highest frequency range).
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for frequency below 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 300 Hz for frequency above 1GHz.

4.2.4 TEST SETUP



For the actual test configuration, please refer to the related Item in this test report (**Photographs of the Test Configuration**).

4.2.5 TEST RESULTS

Digital Portion

EUT	11Mbps Wireless Access Point	**Model**	LM-WS110 LM-WS130
Mode	Channel 1	**Detector Function**	Quasi-Peak
Frequency Range	30-1000 MHz	**Test Distance**	3M
Environmental Conditions	20℃, 70%RH	**Tested By**	Steven Lu

ANTENNA POLARITY: VERTICAL							
Frequency (MHz)	CORRECTION FACTOR (DB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
176.00	11.38	24.92	36.3	43.5	-7.2	100	169
220.00	12.41	29.19	41.6	46.0	-4.4	100	232
352.00	17.25	21.35	38.6	46.0	-7.4	109	139
484.00	20.20	19.40	39.6	46.0	-6.4	119	248
748.00	23.02	8.88	31.9	46.0	-14.1	104	233

ANTENNA POLARITY: HORIZONTAL							
Frequency (MHz)	CORRECTION FACTOR (DB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
176.00	11.38	28.82	40.2	43.5	-3.3	137	131
220.00	12.41	28.59	41.0	46.0	-5.0	103	231
352.00	17.25	21.65	38.9	46.0	-7.1	100	128
484.00	20.20	19.40	39.6	46.0	-6.4	137	171
528.00	20.71	15.79	36.5	46.0	-9.5	103	240
748.00	23.02	15.18	38.2	46.0	-7.8	100	325

Notes: 1 Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).
2 Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

RF Portion

EUT	11Mbps Wireless Access Point	**Model**	LM-WS110 LM-WS130
Mode	Channel 1	**Detector Function**	Peak Average
Frequency Range	Above 1000 MHz	**Test Distance**	3M
Environmental Conditions	20℃, 70%RH	**Tested By**	Steven Lu

ANTENNA POLARITY: Vertical		**Detector Function :**				**6dB Bandwidth : 1MHz**				**Frequency Range : Above 1GHz**	
Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)		Antenna Height (cm)	Table Angle (Degree)
		P.K.	A.V.	P.K.	A.V.	P.K.	A.V.	P.K	A.V.		
2038.0	31.19	20.61	-	51.8	-	74.0	54.0	-22.2	-	100	308
*2413.6	32.40	67.80	59.9	100.2	92.3	-	-	-	-	100	235
4076.2	37.13	14.57	-	51.7	-	74.0	54.0	-22.3	-	100	184
4824.4	38.05	11.25	-	49.3	-	74.0	54.0	-24.7	-	100	107

ANTENNA POLARITY: Horizontal		**Detector Function :**				**6dB Bandwidth:1MHz**				**Frequency Range: Above 1GHz**	
Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)		Antenna Height (cm)	Table Angle (Degree)
		P.K.	A.V.	P.K.	A.V.	P.K.	A.V.	P.K	A.V.		
2038.2	31.19	20.61	-	51.8	-	74.0	54.0	-22.2	-	100	262
*2413.9	32.40	60.4	53.2	92.8	85.6	-	-	-	-	100	346
4076.2	37.13	13.17	-	50.3	-	74.0	54.0	-23.7	-	107	64
4824.3	38.05	11.55	-	49.6	-	74.0	54.0	-24.4	-	107	320

NOTES:1. Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).

2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)

3. The other emission levels were very low against the limit.

4. Margin value = Emission level - Limit value

5. The limit value is defined as per 15.247

6. " * " : Fundamental frequency

EUT	11Mbps Wireless Access Point	**Model**	LM-WS110 LM-WS130
Mode	Channel 6	**Detector Function**	Peak Average
Frequency Range	Above 1000 MHz	**Test Distance**	3M
Environmental Conditions	20℃, 60%RH	**Tested By**	Steven Lu

ANTENNA POLARITY: Vertical		**Detector Function :**				**6dB Bandwidth:1MHz**				**Frequency Range: Above 1GHz**	
Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)		Antenna Height (cm)	Table Angle (Degree)
		P.K.	A.V.	P.K.	A.V.	P.K.	A.V.	P.K	A.V.		
2063.0	31.26	19.74	-	51.0	-	74.0	54.0	-23.0	-	100	61
*2438.3	32.49	68.71	61.5	101.2	94.0	-	-	-	-	100	266
4126.3	37.14	13.06	-	50.2	-	74.0	54.0	-23.8	-	100	228
4876.3	38.21	11.99	-	50.2	-	74.0	54.0	-23.8	-	100	203

ANTENNA POLARITY: Horizontal		**Detector Function :**				**6dB Bandwidth:1MHz.**				**Frequency Range: Above 1GHz.**	
Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)		Antenna Height (cm)	Table Angle (Degree)
		P.K.	A.V.	P.K.	A.V.	P.K.	A.V.	P.K	A.V.		
2063.4	31.26	20.64	-	51.9	-	74.0	54.0	-22.1	-	107	189
*2438.6	32.49	63.11	56.1	95.6	88.6	-	-	-	-	107	273
4126.3	37.14	14.46	-	51.6	-	74.0	54.0	-22.4	-	99	46
4876.3	38.21	11.99	-	50.2	-	74.0	54.0	-23.8	-	100	162

NOTES:1. Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).

2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)

3. The other emission levels were very low against the limit.

4. Margin value = Emission level - Limit value

5. The limit value is defined as per 15.247

6. " * " : Fundamental frequency

EUT	11Mbps Wireless Access Point	**Model**	LM-WS110 LM-WS130
Mode	Channel 11	**Detector Function**	Peak Average
Frequency Range	Above 1000 MHz	**Test Distance**	3M
Environmental Conditions	20℃, 60%RH	**Tested By**	Steven Lu

ANTENNA POLARITY: Vertical		**Detector Function :**				**6dB Bandwidth:1MHz.**				**Frequency Range: Above 1GHz**	
Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)		Antenna Height (cm)	Table Angle (Degree)
		P.K.	A.V.	P.K.	A.V.	P.K.	A.V.	P.K	A.V.		
2088.2	31.35	19.2	-	50.6	-	74.0	54.0	-23.4	-	100	73
*2463.3	32.56	70.9	63.0	103.5	95.6	-	-	-	-	100	22
4176.3	37.14	13.9	-	51.0	-	74.0	54.0	-23.0	-	100	179
4924.2	38.33	13.7	-	52.0	-	74.0	54.0	-22.0	-	100	302

ANTENNA POLARITY: Horizontal		**Detector Function :**				**6dB Bandwidth:1MHz.**				**Frequency Range: Above 1GHz**	
Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)		Antenna Height (cm)	Table Angle (Degree)
		P.K.	A.V.	P.K.	A.V.	P.K.	A.V.	P.K	A.V.		
2088.0	31.35	20.65	-	52.0	-	74.0	54.0	-22.0	-	100	264
*2463.3	32.56	61.44	55.6	94.0	88.2	-	-	-	-	100	174
4176.2	37.14	14.16	-	51.3	-	74.0	54.0	-22.7	-	100	356
4924.6	38.33	12.87	-	51.2	-	74.0	54.0	-22.8	-	100	36

NOTES:1. Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).

2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)

3. The other emission levels were very low against the limit.

4. Margin value = Emission level - Limit value

5. The limit value is defined as per 15.247

6. " * " : Fundamental frequency