FCC TEST REPORT

REPORT NO.: RF931214H02
MODEL NO.: DWL-3200AP
RECEIVED: Dec. 16, 2004
TESTED: Dec. 23, 2004 to Jan. 15, 2005
ISSUED: Jan. 18, 2005

APPLICANT: D-LINK Corporation

ADDRESS: No.8, Li-shing Road VII, Science-based Industrial Park, Hsinchu, Taiwan.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: No. 81-1, Lu Liao Keng, 9 Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien, Taiwan, R.O.C.

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No. 2177-01

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1 CERTIFICATION

PRODUCT :	IEEE 802.11g Wireless Access Point
BRAND NAME :	D-LINK
MODEL NO. :	DWL-3200AP
TESTED:	Dec. 23, 2004 to Jan. 15, 2005
APPLICANT :	D-LINK Corporation
TEST ITEM:	ENGINEERING SAMPLE
STANDARDS :	47 CFR Part 15, Subpart C (Section 15.247), ANSI C63.4-2003

The above equipment (Model: DWL-3200AP) has been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Midoli Peng , **DATE:** Jan. 18, 2005
(Midoli Peng)

TECHNICAL ACCEPTANCE : Hank Chung , **DATE:** Jan. 18, 2005
Responsible for RF
(Hank Chung)

APPROVED BY : Eric Lin , **DATE:** Jan. 18, 2005
(Eric Lin, Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: 47 CFR Part 15, Subpart C			
Standard Section	**Test Type and Limit**	**Result**	**REMARK**
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit Minimum passing margin is –10.63 dB at 6.04 MHz
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Limit: min. 500kHz	PASS	Meet the requirement of limit
15.247(b)	Maximum Peak Output Power Limit: max. 30dBm	PASS	Meet the requirement of limit
15.247(c)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit Minimum passing margin is –1.2dB at 2390.00 MHz
15.247(d)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit
15.247(c)	Band Edge Measurement Limit: 20 dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	IEEE 802.11g Wireless Access Point
MODEL NO.	DWL-3200AP
POWER SUPPLY	DC 48V from power adapter or POE
MODULATION TYPE	CCK, OFDM, DBPSK, DQPSK
RADIO TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	1/2/5.5/6/9/11/12/18/24/36/48/54Mbps (Turbo mode at channel 6: up to 108Mbps)
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
OUTPUT POWER	11b: 22.10dBm 11g: 23.00dBm
ANTENNA TYPE	Please see note 4 on next page
DATA CABLE	NA
I/O PORTS	RJ-45 port *1
ASSOCIATED DEVICES	NA

NOTE:

1. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.

2. The EUT complies with IEEE 802.11g draft standards, and backwards compatible with IEEE 802.11b products.

3. The EUT was powered either adapter or POE (Power Over Ethernet):

Adapter 1:	
Brand:	Bothhand Enterprise Inc.
Model No.:	SA06L48-V
Input power :	100-240V~0.6A 50-60Hz
Output power :	48V / 0.4A DC output cable(unshielded, 1.8m with one core)

Adapter 2:	
Brand:	JENTEC TECHNOLOGY CO.,LTD.
Model No.:	JTA0406B
Input power :	100~240Vac/0.6A 50~60Hz
Output power :	48V/0.4A DC output cable(unshielded, 1.8m with one core)

POE:	
Brand:	BASE UNIT
Model No.:	EBU-101-T1
Input power :	100-240V~0.6A,50~60Hz
Output power :	48V===0.4A
Note: Only for test not for sale.	

4. The EUT has two antenna ports, one port only has Rx function, and the other port has Tx function. There are ten antennas provided to this EUT, please refer to the following table:

No.	Model	Antenna Type	Antenna Connector	Gain (dBi)	Cable loss(dB)
1	ANT24-0500	Dipole	N female	5.0 dBi	2
2	SAW0009A1	Dipole	REVERSE SMA	5.0 dBi	0
3	DWL-R60AT	MICRO-STRIP PATCH	REVERSE SMA	7.61 dBi	0
4	SA2-05035G-A5	Dipole	RP-SMA Plug	5.0 dBi	0
5	ANT24-0700	Dipole	REVERSE SMA	5.89 dBi	0
6	ANT24-0501	Dipole	N female	5.0 dBi	0
7	ANT24-0401	Dipole	SMA Female	3.5 dBi	1.5
8	ANT24-0400	Dipole	RP-SMA Plug	4.0 dBi	0
9	ANT24-1200	PATCH	SMA Female	12.0 dBi	3.2
10	ANT24-0600	1/2 λ Dipole	SMA Plug Reverse	5.0 dBi	0

From the above antennas, antenna 3,5,9 and 10 were selected as representative antennas for the test and their data were recorded in this report.

5. The EUT was tested under the following test modes:

Mode	Antenna Port (Tx)	Antenna Port (Rx)
1	Antenna 3	Antenna 2
2	Antenna 5	Antenna 5
3	Antenna 9	Antenna 2
4	Antenna 10	Antenna 2

6. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

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		

NOTE:

1. Below 1 GHz, the channel 1, 6, and 11 were pre-tested in chamber. The channel 11, worst case one, was chosen for final test.
2. Above 1 GHz, the channel 1, 6, and 11 were tested individually.
3. Transfer rate, 11Mbps with CCK technique and 6Mbps with OFDM technique, the worst case, were chosen for final test.
4. "Turbo Mode" allows data rates of up to 108Mbps. At data rates higher than 12Mbps the PA gain is reduced to improve signal fidelity. The device was, therefore, tested in turbo mode at the data rate that produced the highest output power for turbo mode (12Mbps).
5. For transmitter & receiver spurious radiation tests (30MHz ~ 1GHz), the EUT was tested with : **1.** adapter 1, **2.** adapter 1+POE, **3.** adapter 2 and **4.** adapter 2+POE .

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is an IEEE 802.11g Wireless Access Point. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

47 CFR Part 15, Subpart C. (15.247)
ANSI C63.4 : 2003

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

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of 47 CFR Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

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.

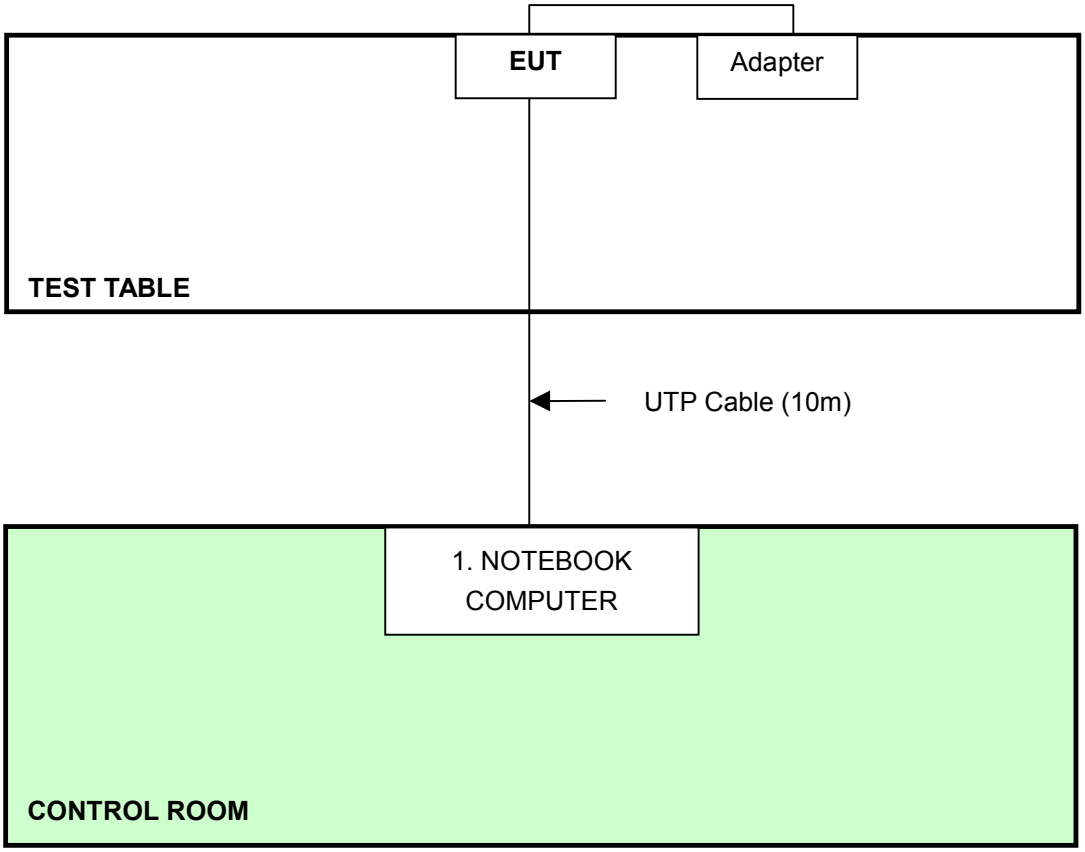
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Notebook Computer	Dell	PP01L	TW-09c748-12800-165-3171	FCC DoC

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA

NOTE: All power cords of the above support units are non-shielded (1.8m).

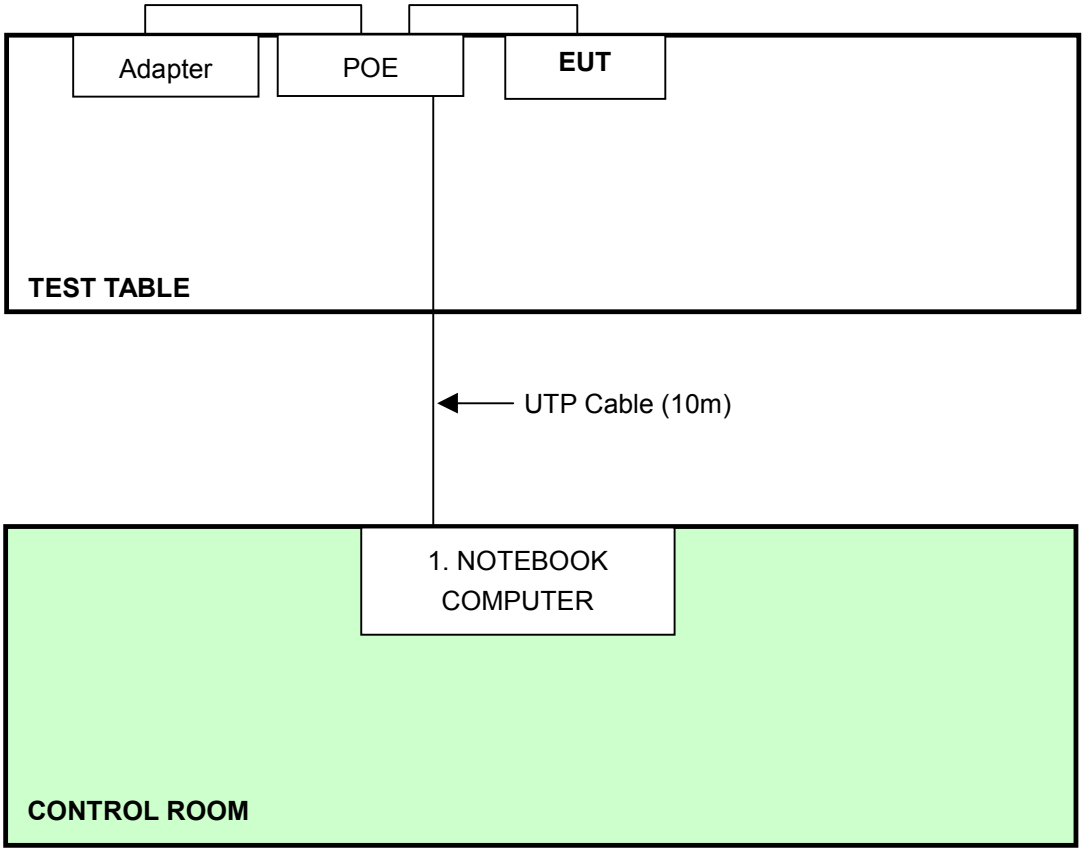
3.5 CONFIGURATION OF SYSTEM UNDER TEST

With Adapter(conductions test):



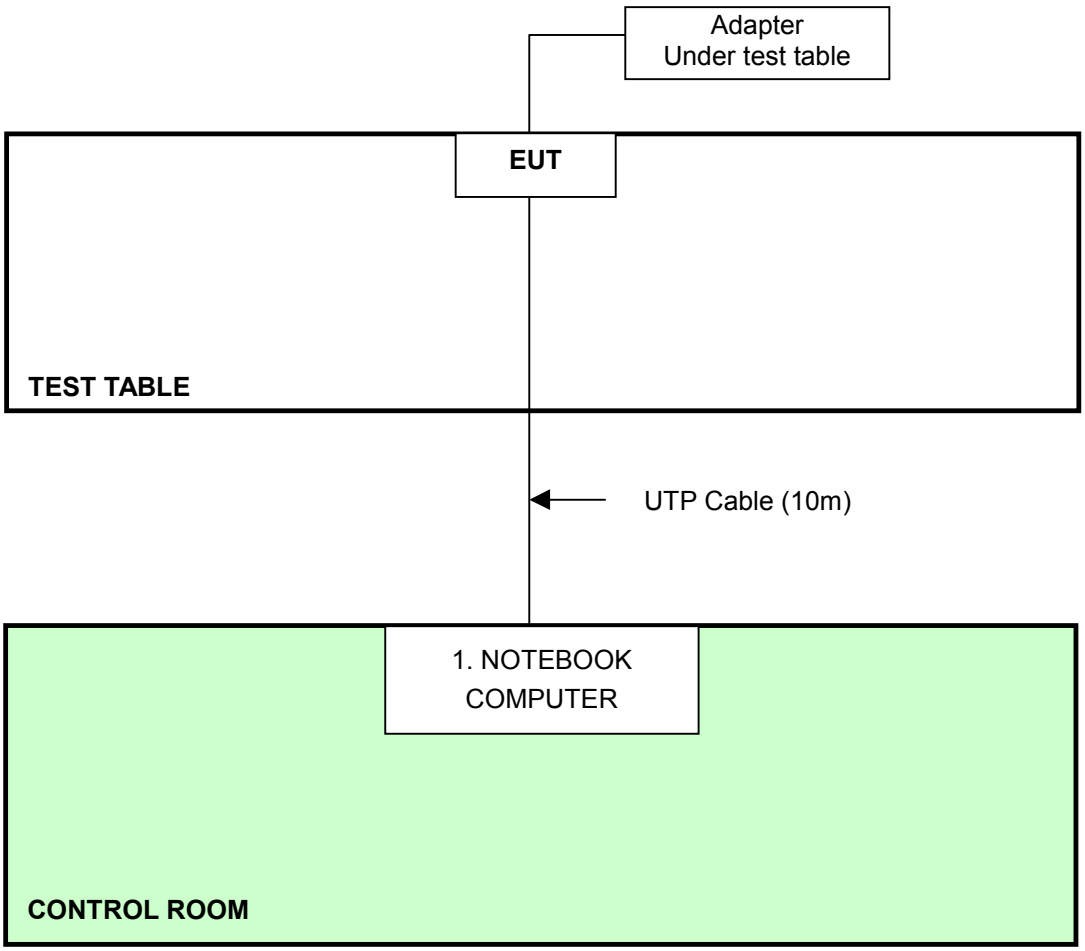
NOTE: 1. Support unit 1 was kept in the control room during the test.
2. Please refer to the photos of test configuration in Item 5 also.

With Adapter+POE(conductions test):



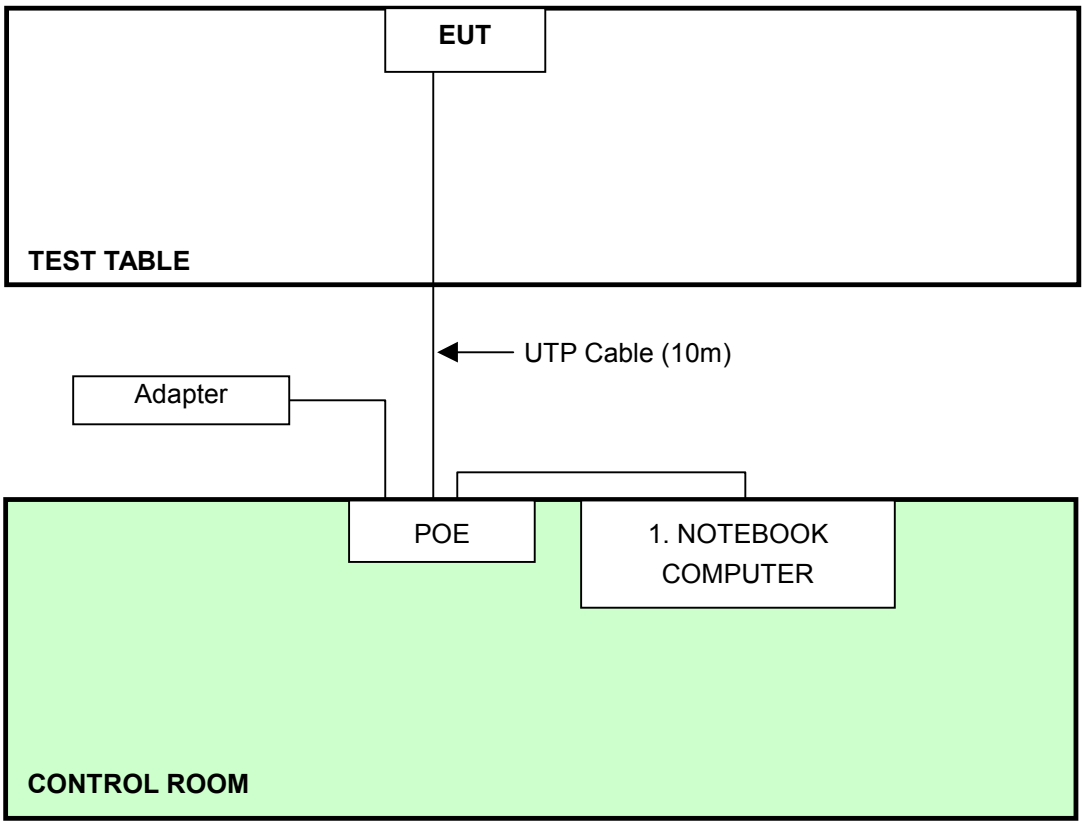
NOTE: 1. Support unit 1 was kept in the control room during the test.
2. Please refer to the photos of test configuration in Item 5 also.

With Adapter(radiation test):



NOTE: 1. Support unit 1 was kept in the control room during the test.
2. Please refer to the photos of test configuration in Item 5 also.

With Adapter+POE(radiation test):



NOTE: 1. Support unit 1 was kept in the control room during the test.
2. Please refer to the photos of test configuration in Item 5 also.

4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5 0.5-5 5-30	66 to 56 56 60	56 to 46 46 50

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. All emanations from a class 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	ESCS 30	847124/029	Dec. 07, 2005
ROHDE & SCHWARZ LISN (for EUT)	ESHS-Z5	848773/004	Nov. 08, 2005
KYORITSU LISN (for peripheral)	KNW-407	8/1395/12	Jul. 23, 2005
RF Cable (JETBAO)	RG233/U	Cable_CA_01	Jul. 02, 2005
Terminator(for KYORITSU)	50	3	May 10, 2005
Software	Cond-V2e	NA	NA

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in ADT Shielded Room No. A.
3 The VCCI Con A Registration No. is C-817.
4 The measurement uncertainty is 2.53 dB, which is calculated as per the document CISPR 16-4

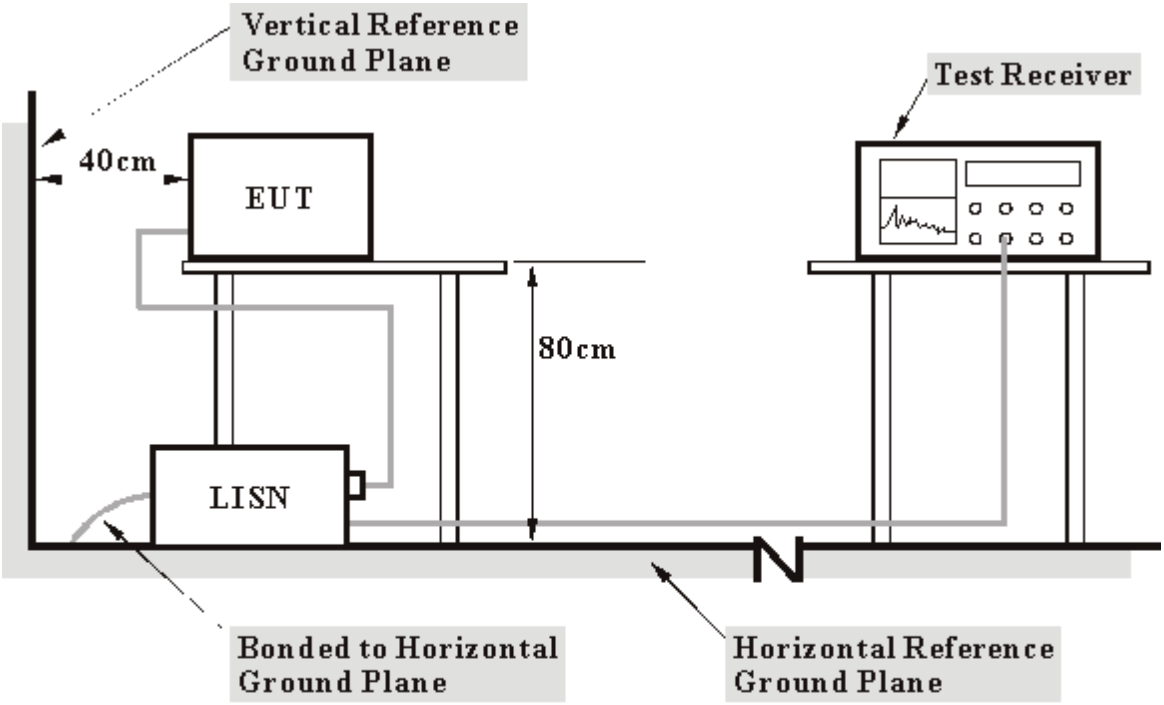
4.1.3 TEST PROCEDURES

a. The EUT/HOST was placed 0.4 meters from the conducting wall of the shielded room with EUT/HOST being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT/HOST were checked for maximum conducted interference.

c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not 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 – Photographs of the Test Configuration.

4.1.5 EUT OPERATING CONDITIONS

a. Placed the EUT on the testing table.

b. Prepared another computer system to act as a communication partner and placed it outside of testing area.

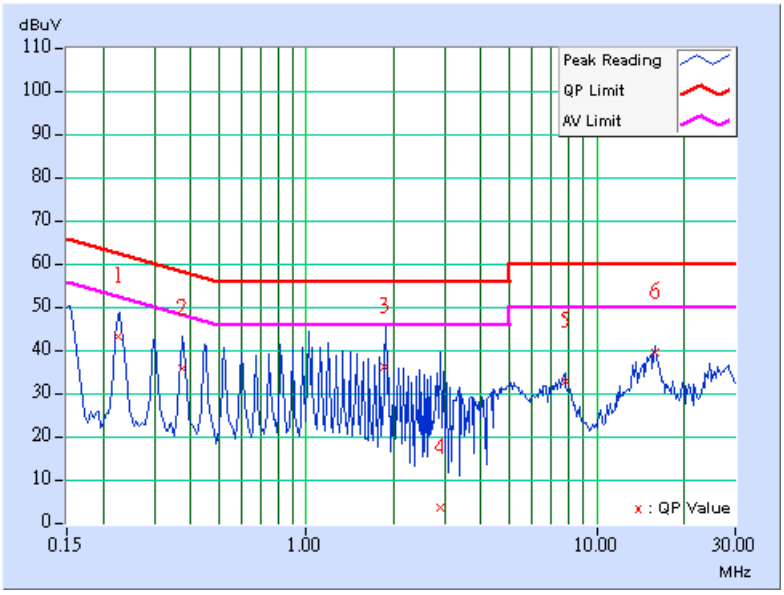
c. The communication partner run “Art 485” test program to enable EUT under transmission/receiving condition continuously at specific channel frequency via UTP cable and wireless.

4.1.6 TEST RESULTS (With Adapter 1)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70%RH, 977 hPa	**TESTED BY**	Eric Lee

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.224	0.31	41.84	-	42.15	-	62.66	52.66	-20.51	-
2	0.377	0.33	34.45	-	34.78	-	58.35	48.35	-23.58	-
3	1.865	0.52	34.64	-	35.16	-	56.00	46.00	-20.84	-
4	2.892	0.69	2.21	-	2.90	-	56.00	46.00	-53.10	-
5	7.758	1.13	31.33	-	32.46	-	60.00	50.00	-27.54	-
6	15.809	1.58	37.91	-	39.49	-	60.00	50.00	-20.51	-

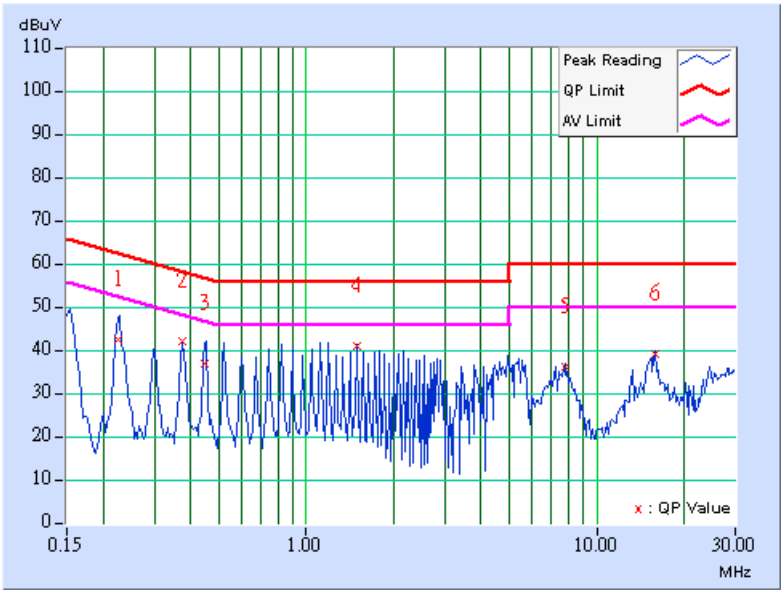
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.224	0.31	41.30	-	41.61	-	62.66	52.66	-21.04	-
2	0.373	0.33	40.88	-	41.21	-	58.44	48.44	-17.23	-
3	0.447	0.34	35.64	-	35.98	-	56.93	46.93	-20.96	-
4	1.490	0.47	39.80	-	40.27	-	56.00	46.00	-15.73	-
5	7.758	1.07	34.89	-	35.96	-	60.00	50.00	-24.04	-
6	15.812	1.46	37.65	-	39.11	-	60.00	50.00	-20.89	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

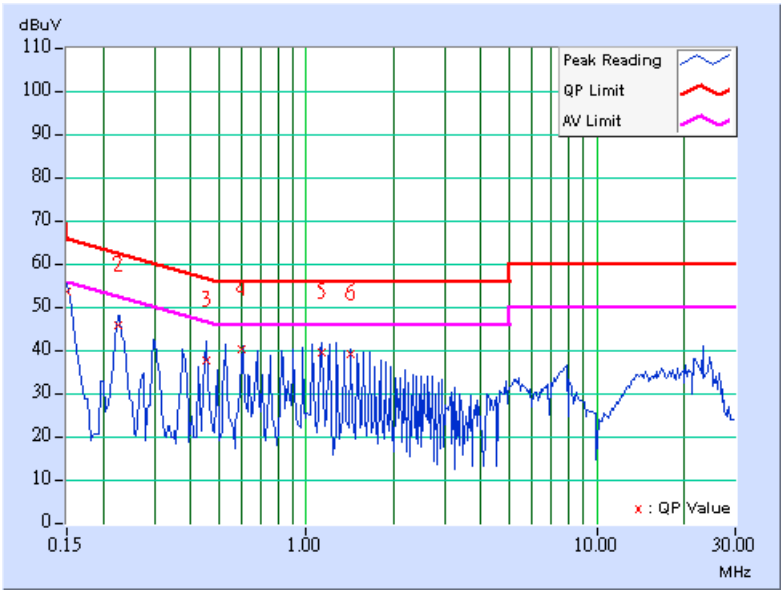


4.1.7 TEST RESULTS (With Adapter 1+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70%RH, 977 hPa	**TESTED BY**	Wen Yu

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.30	53.07	-	53.37	-	66.00	56.00	-12.63	-
2	0.224	0.31	45.52	-	45.83	-	62.66	52.66	-16.83	-
3	0.451	0.34	37.17	-	37.51	-	56.86	46.86	-19.35	-
4	0.599	0.36	39.76	-	40.12	-	56.00	46.00	-15.88	-
5	1.127	0.43	39.20	-	39.63	-	56.00	46.00	-16.37	-
6	1.424	0.47	38.85	-	39.32	-	56.00	46.00	-16.68	-

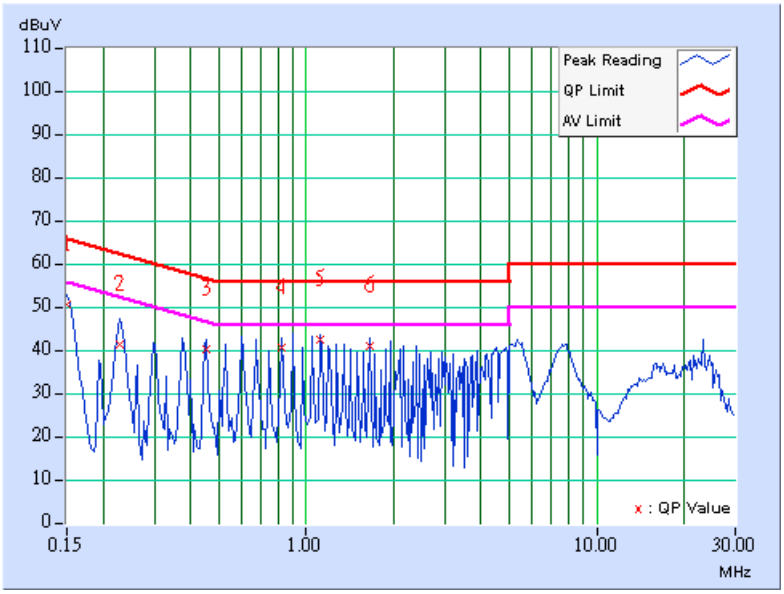
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 70%RH, 977 hPa	**TESTED BY**	Wen Yu

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.30	50.24	-	50.54	-	66.00	56.00	-15.46	-
2	0.228	0.31	40.81	-	41.12	-	62.52	52.52	-21.40	-
3	0.451	0.34	39.91	-	40.25	-	56.86	46.86	-16.61	-
4	0.820	0.39	40.17	-	40.56	-	56.00	46.00	-15.44	-
5	1.123	0.43	42.06	-	42.49	-	56.00	46.00	-13.51	-
6	1.646	0.49	40.79	-	41.28	-	56.00	46.00	-14.72	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

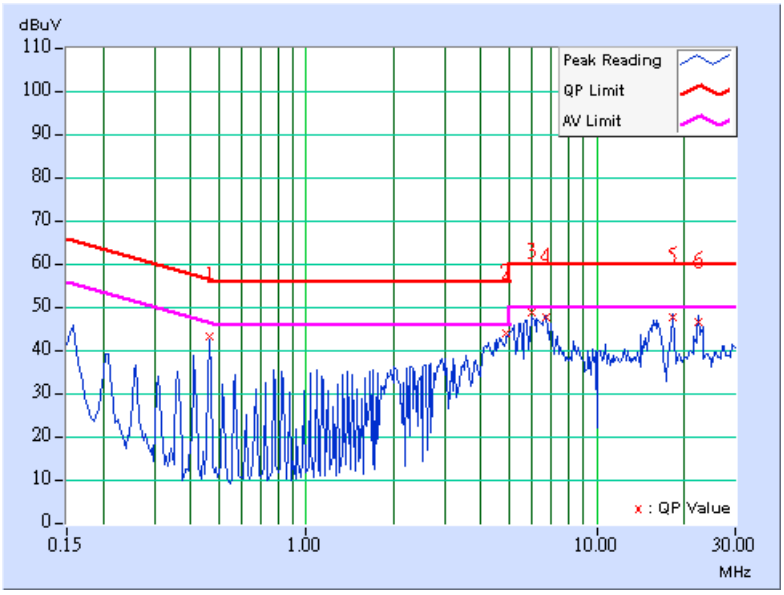


4.1.8 TEST RESULTS (With Adapter 2)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	23 deg. C, 72%RH, 977 hPa	**TESTED BY**	Wen Yu

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.466	0.34	41.60	-	41.94	-	56.59	46.59	-14.65	-
2	4.906	0.95	42.22	-	43.17	-	56.00	46.00	-12.83	-
3	5.988	1.02	47.21	-	48.23	-	60.00	50.00	-11.77	-
4	6.711	1.06	46.00	-	47.06	-	60.00	50.00	-12.94	-
5	18.242	1.70	45.83	-	47.53	-	60.00	50.00	-12.47	-
6	22.457	1.84	44.76	-	46.60	-	60.00	50.00	-13.40	-

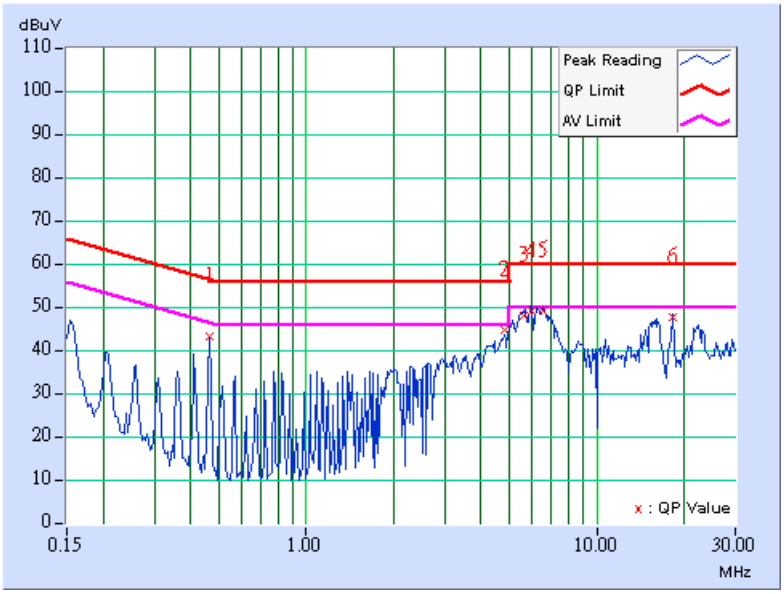
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	23 deg. C, 72%RH, 977 hPa	**TESTED BY**	Wen Yu

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.465	0.34	41.89	-	42.23	-	56.60	46.60	-14.37	-
2	4.801	0.93	43.10	-	44.03	-	56.00	46.00	-11.97	-
3	5.625	0.97	46.56	-	47.53	-	60.00	50.00	-12.47	-
4	5.989	0.98	47.70	-	48.68	-	60.00	50.00	-11.32	-
5	6.504	1.01	47.71	-	48.72	-	60.00	50.00	-11.28	-
6	18.242	1.53	46.07	-	47.60	-	60.00	50.00	-12.40	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

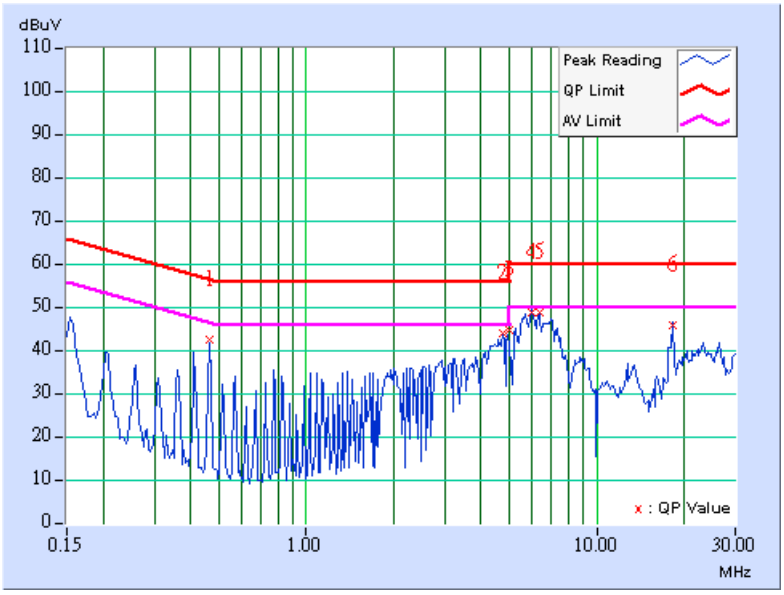


4.1.9 TEST RESULTS (With Adapter 2+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	23 deg. C, 72%RH, 977 hPa	**TESTED BY**	Wen Yu

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.463	0.34	40.75	-	41.09	-	56.65	46.65	-15.56	-
2	4.750	0.94	42.43	-	43.37	-	56.00	46.00	-12.63	-
3	5.009	0.95	43.03	-	43.98	-	60.00	50.00	-16.02	-
4	5.988	1.02	47.05	-	48.07	-	60.00	50.00	-11.93	-
5	6.352	1.04	47.05	-	48.09	-	60.00	50.00	-11.91	-
6	18.242	1.70	44.26	-	45.96	-	60.00	50.00	-14.04	-

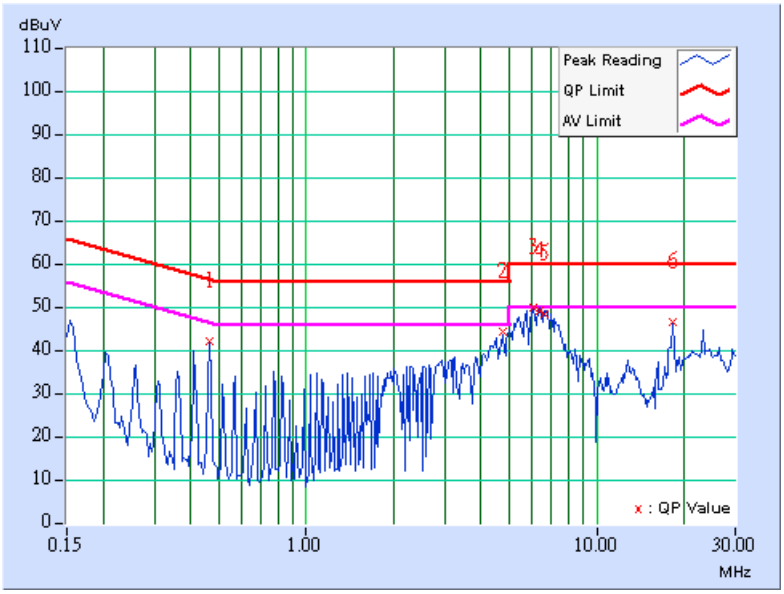
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	23 deg. C, 72%RH, 977 hPa	**TESTED BY**	Wen Yu

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.466	0.34	40.75	-	41.09	-	56.58	46.58	-15.49	-
2	4.750	0.93	42.74	-	43.67	-	56.00	46.00	-12.33	-
3	**6.040**	**0.99**	**48.38**	**-**	**49.37**	**-**	**60.00**	**50.00**	**-10.63**	**-**
4	6.352	1.00	47.76	-	48.76	-	60.00	50.00	-11.24	-
5	6.609	1.01	47.06	-	48.07	-	60.00	50.00	-11.93	-
6	18.242	1.53	45.22	-	46.75	-	60.00	50.00	-13.25	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



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 (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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. 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.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8594E	3710A04861	Sep. 23, 2005
ADVANTEST Spectrum Analyzer	R3271A	85060311	Jun. 29, 2005
CHASE RF Pre_Amplifier	CPA9232	1057	Aug 06, 2005
HP Pre_Amplifier	8449B	3008A01922	Oct. 13, 2005
ROHDE & SCHWARZ Test Receiver	ESCS30	100287	Dec. 08, 2005
CHASE Broadband Antenna	VULB9168	138	May 22, 2005
Schwarzbeck Horn_Antenna	BBHA9120	D124	Jun. 16, 2005
Schwarzbeck Horn_Antenna	BBHA 9170	BBHA9170192	Feb. 16, 2005
SCHWARZBECK Tunable Dipole Antenna	UHAP	897	Mar. 07, 2005
SCHWARZBECK Tunable Dipole Antenna	VHAP	880	Mar. 07, 2005
RF Switches (ARNITSU)	CS-201	1565157	Jul. 15, 2005
RF CABLE (Chaintek) 1GHz-20GHz	SF102	22054-2	Feb. 10. 2005
RF Cable(RICHTEC)	9913-30M	STCCAB-30M-1GHz-021	Jul. 15, 2005
Software	AS60P8	NA	NA
CHANCE MOST Antenna Tower	AT-100	0203	NA
CHANCE MOST Turn Table	TT-100	0203	NA

Note: 1. The calibration interval of the above test instruments is 12 months (36 months for Tunable Dipole Antenna)and the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in ADT Open Site No. C.
4. The FCC Site Registration No. is 656396.
5. The VCCI Site Registration No. is R-1626.
6. The CANADA Site Registration No. is IC 4824-3.
7. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4.

Measurement	Value
Radiated emissions (30MHz-1GHz)	2.98 dB
Radiated emissions (1GHz ~18GHz)	2.21 dB
Radiated emissions (18GHz ~20GHz)	1.88 dB

4.2.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

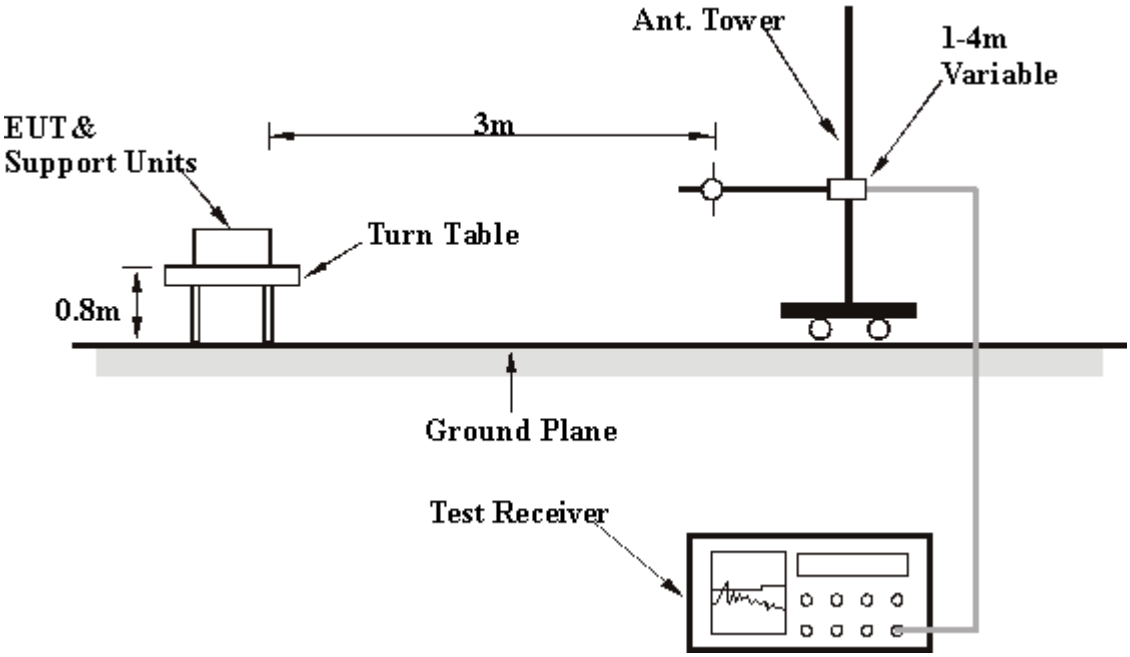
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 300 Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.5 EUT OPERATING CONDITIONS

Same as 4.1.5.

4.2.6 TEST RESULTS (ANTENNA 3 – Adapter 1)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	32.40 QP	43.50	-11.10	1.82 H	279	19.90	12.50
2	200.00	31.40 QP	43.50	-12.10	1.68 H	91	21.80	9.60
3	270.00	30.40 QP	46.00	-15.60	1.89 H	115	16.00	14.40
4	360.00	38.70 QP	46.00	-7.30	2.20 H	327	21.60	17.10
5	400.00	32.70 QP	46.00	-13.30	1.28 H	348	14.30	18.40
6	450.00	42.60 QP	46.00	-3.40	1.68 H	78	23.10	19.50
7	500.00	32.70 QP	46.00	-13.30	1.41 H	21	12.00	20.70
8	540.00	36.40 QP	46.00	-9.60	1.00 H	131	14.00	22.40
9	640.00	37.00 QP	46.00	-9.00	2.03 H	359	13.80	23.20
10	900.00	39.70 QP	46.00	-6.30	1.38 H	40	12.20	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	38.70 QP	43.50	-4.80	1.00 V	194	26.20	12.50
2	200.00	30.80 QP	43.50	-12.70	1.00 V	149	21.20	9.60
3	270.00	40.10 QP	46.00	-5.90	1.54 V	136	25.70	14.40
4	325.00	32.80 QP	46.00	-13.20	1.00 V	1	16.80	16.00
5	360.00	39.10 QP	46.00	-6.90	1.12 V	262	22.00	17.10
6	450.00	41.50 QP	46.00	-4.50	1.12 V	4	22.00	19.50
7	500.00	36.10 QP	46.00	-9.90	1.00 V	22	15.40	20.70
8	540.00	40.50 QP	46.00	-5.50	1.06 V	124	18.10	22.40
9	640.00	40.50 QP	46.00	-5.50	1.00 V	146	17.30	23.20
10	900.00	40.20 QP	46.00	-5.80	1.00 V	76	12.70	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.7 TEST RESULTS (ANTENNA 3 – Adapter 1+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	33.50 QP	43.50	-10.00	1.83 H	266	21.00	12.50
2	200.00	29.80 QP	43.50	-13.70	1.65 H	96	20.20	9.60
3	270.00	35.20 QP	46.00	-10.80	1.16 H	127	20.80	14.40
4	360.00	41.90 QP	46.00	-4.10	1.07 H	137	24.80	17.10
5	400.00	32.60 QP	46.00	-13.40	1.22 H	163	14.20	18.40
6	450.00	42.50 QP	46.00	-3.50	1.67 H	80	23.00	19.50
7	500.00	33.20 QP	46.00	-12.80	1.46 H	141	12.50	20.70
8	540.00	37.40 QP	46.00	-8.60	1.00 H	118	15.00	22.40
9	640.00	37.60 QP	46.00	-8.40	1.99 H	345	14.40	23.20
10	900.00	40.10 QP	46.00	-5.90	1.29 H	17	12.60	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	38.30 QP	43.50	-5.20	1.00 V	195	25.80	12.50
2	200.00	30.10 QP	43.50	-13.40	1.00 V	168	20.50	9.60
3	270.00	40.40 QP	46.00	-5.60	1.62 V	127	26.00	14.40
4	300.00	30.00 QP	46.00	-16.00	1.00 V	15	14.80	15.20
5	360.00	38.30 QP	46.00	-7.70	1.16 V	49	21.20	17.10
6	450.00	41.60 QP	46.00	-4.40	1.00 V	38	22.10	19.50
7	500.00	37.50 QP	46.00	-8.50	1.00 V	27	16.80	20.70
8	540.00	40.70 QP	46.00	-5.30	1.12 V	128	18.30	22.40
9	630.00	39.80 QP	46.00	-6.20	1.00 V	89	16.80	23.00
10	900.00	39.70 QP	46.00	-6.30	1.05 V	77	12.20	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.8 TEST RESULTS (ANTENNA 3 – Adapter 2)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	33.60 QP	43.50	-9.90	1.62 H	231	21.10	12.50
2	200.00	32.90 QP	43.50	-10.60	1.37 H	138	23.30	9.60
3	270.00	31.80 QP	46.00	-14.20	1.67 H	106	17.40	14.40
4	360.00	39.60 QP	46.00	-6.40	2.07 H	357	22.50	17.10
5	400.00	33.90 QP	46.00	-12.10	1.17 H	318	15.50	18.40
6	450.00	41.20 QP	46.00	-4.80	1.44 H	93	21.70	19.50
7	500.00	32.10 QP	46.00	-13.90	1.45 H	42	11.40	20.70
8	540.00	37.80 QP	46.00	-8.20	1.05 H	120	15.40	22.40
9	640.00	38.10 QP	46.00	-7.90	1.86 H	341	14.90	23.20
10	900.00	39.30 QP	46.00	-6.70	1.32 H	57	11.80	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	38.20 QP	43.50	-5.30	1.00 V	176	25.70	12.50
2	200.00	32.10 QP	43.50	-11.40	1.00 V	143	22.50	9.60
3	270.00	41.30 QP	46.00	-4.70	1.34 V	129	26.90	14.40
4	300.00	31.70 QP	46.00	-14.30	1.00 V	11	16.50	15.20
5	360.00	38.90 QP	46.00	-7.10	1.27 V	28	21.80	17.10
6	450.00	40.20 QP	46.00	-5.80	1.00 V	39	20.70	19.50
7	500.00	37.90 QP	46.00	-8.10	1.00 V	51	17.20	20.70
8	540.00	40.20 QP	46.00	-5.80	1.34 V	114	17.80	22.40
9	640.00	39.20 QP	46.00	-6.80	1.00 V	108	16.00	23.20
10	900.00	39.40 QP	46.00	-6.60	1.02 V	84	11.90	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.9 TEST RESULTS (ANTENNA 3 – Adapter 2+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	33.80 QP	43.50	-9.70	1.62 H	317	21.30	12.50
2	200.00	32.50 QP	43.50	-11.00	1.94 H	82	22.90	9.60
3	270.00	32.70 QP	46.00	-13.30	1.62 H	114	18.30	14.40
4	360.00	39.40 QP	46.00	-6.60	2.08 H	337	22.30	17.10
5	400.00	33.90 QP	46.00	-12.10	1.17 H	317	15.50	18.40
6	450.00	40.40 QP	46.00	-5.60	1.58 H	92	20.90	19.50
7	500.00	32.90 QP	46.00	-13.10	1.37 H	37	12.20	20.70
8	540.00	36.90 QP	46.00	-9.10	1.00 H	142	14.50	22.40
9	640.00	36.60 QP	46.00	-9.40	1.76 H	3	13.40	23.20
10	900.00	39.90 QP	46.00	-6.10	1.27 H	65	12.40	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	37.10 QP	43.50	-6.40	1.00 V	185	24.60	12.50
2	200.00	30.40 QP	43.50	-13.10	1.00 V	161	20.80	9.60
3	270.00	41.20 QP	46.00	-4.80	1.37 V	123	26.80	14.40
4	325.00	33.90 QP	46.00	-12.10	1.13 V	18	17.90	16.00
5	360.00	40.80 QP	46.00	-5.20	1.06 V	241	23.70	17.10
6	450.00	40.70 QP	46.00	-5.30	1.06 V	17	21.20	19.50
7	500.00	36.80 QP	46.00	-9.20	1.00 V	67	16.10	20.70
8	540.00	39.80 QP	46.00	-6.20	1.05 V	114	17.40	22.40
9	640.00	40.10 QP	46.00	-5.90	1.00 V	137	16.90	23.20
10	900.00	40.10 QP	46.00	-5.90	1.02 V	62	12.60	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.10 TEST RESULTS (ANTENNA 5 – Adapter 1)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.01	26.70 QP	43.50	-16.80	1.60 H	271	14.20	12.50
2	199.99	22.40 QP	43.50	-21.10	1.67 H	70	12.90	9.60
3	270.00	41.20 QP	46.00	-4.80	1.00 H	38	26.80	14.40
4	360.00	42.50 QP	46.00	-3.50	1.00 H	135	25.50	17.10
5	450.00	36.70 QP	46.00	-9.30	1.01 H	157	17.20	19.50
6	499.99	31.70 QP	46.00	-14.30	2.04 H	89	11.00	20.70
7	540.00	36.90 QP	46.00	-9.10	1.00 H	134	14.50	22.40
8	640.00	34.80 QP	46.00	-11.20	1.71 H	89	11.50	23.20
9	720.00	36.60 QP	46.00	-9.40	1.26 H	2	11.80	24.80
10	900.00	35.70 QP	46.00	-10.30	1.00 H	21	8.30	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.01	39.40 QP	43.50	-4.10	1.00 V	148	26.90	12.50
2	270.00	40.20 QP	46.00	-5.80	1.58 V	121	25.80	14.40
3	360.00	40.30 QP	46.00	-5.70	1.59 V	353	23.20	17.10
4	450.00	39.90 QP	46.00	-6.10	1.40 V	14	20.40	19.50
5	499.98	30.60 QP	46.00	-15.40	1.31 V	11	9.90	20.70
6	540.00	41.20 QP	46.00	-4.80	1.17 V	132	18.80	22.40
7	630.00	37.10 QP	46.00	-8.90	1.37 V	333	14.10	23.00
8	680.00	31.60 QP	46.00	-14.40	1.00 V	327	7.90	23.70
9	720.00	36.60 QP	46.00	-9.40	1.00 V	334	11.80	24.80
10	900.00	32.00 QP	46.00	-14.00	1.29 V	130	4.60	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.11 TEST RESULTS (ANTENNA 5 – Adapter 1+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.01	27.40 QP	43.50	-16.10	1.34 H	227	14.90	12.50
2	270.00	41.90 QP	46.00	-4.10	1.00 H	62	27.50	14.40
3	360.00	42.10 QP	46.00	-3.90	1.00 H	124	25.00	17.10
4	450.00	37.30 QP	46.00	-8.70	1.00 H	124	17.80	19.50
5	499.99	33.40 QP	46.00	-12.60	1.76 H	104	12.70	20.70
6	540.00	37.40 QP	46.00	-8.60	1.00 H	128	15.00	22.40
7	640.00	35.40 QP	46.00	-10.60	1.62 H	67	12.20	23.20
8	720.00	36.90 QP	46.00	-9.10	1.20 H	21	12.10	24.80
9	900.00	36.20 QP	46.00	-9.80	1.00 H	38	8.70	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	39.30 QP	43.50	-4.20	1.00 V	196	26.80	12.50
2	270.00	41.00 QP	46.00	-5.00	1.52 V	59	26.60	14.40
3	300.00	32.80 QP	46.00	-13.20	1.54 V	194	17.60	15.20
4	360.00	33.70 QP	46.00	-12.30	1.34 V	57	16.60	17.10
5	450.00	38.40 QP	46.00	-7.60	1.41 V	34	18.90	19.50
6	500.00	32.90 QP	46.00	-13.10	1.00 V	27	12.20	20.70
7	540.00	41.60 QP	46.00	-4.40	1.08 V	105	19.20	22.40
8	640.00	35.80 QP	46.00	-10.20	1.27 V	14	12.60	23.20
9	720.00	37.80 QP	46.00	-8.20	1.34 V	15	13.00	24.80
10	900.00	35.70 QP	46.00	-10.30	1.34 V	128	8.20	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.12 TEST RESULTS (ANTENNA 5 – Adapter 2)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.01	27.60 QP	43.50	-15.90	2.07 H	262	15.10	12.50
2	250.00	29.10 QP	46.00	-16.90	1.40 H	146	15.10	14.00
3	270.00	41.20 QP	46.00	-4.80	1.00 H	34	26.80	14.40
4	360.00	39.30 QP	46.00	-6.70	1.21 H	132	22.20	17.10
5	450.00	36.90 QP	46.00	-9.10	1.00 H	157	17.40	19.50
6	499.99	33.70 QP	46.00	-12.30	1.94 H	82	13.00	20.70
7	540.00	37.60 QP	46.00	-8.40	1.00 H	24	15.20	22.40
8	640.00	33.00 QP	46.00	-13.00	1.38 H	272	9.80	23.20
9	720.00	35.80 QP	46.00	-10.20	1.00 H	108	11.00	24.80
10	900.00	35.80 QP	46.00	-10.20	1.04 H	6	8.30	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	39.60 QP	43.50	-3.90	1.00 V	201	27.20	12.50
2	270.00	40.40 QP	46.00	-5.60	1.68 V	96	26.00	14.40
3	300.00	29.60 QP	46.00	-16.40	1.42 V	237	14.40	15.20
4	360.00	32.20 QP	46.00	-13.80	1.49 V	26	15.20	17.10
5	450.00	37.60 QP	46.00	-8.40	1.44 V	21	18.10	19.50
6	500.00	32.50 QP	46.00	-13.50	1.02 V	34	11.80	20.70
7	540.00	40.80 QP	46.00	-5.20	1.02 V	115	18.40	22.40
8	640.00	35.00 QP	46.00	-11.00	1.29 V	359	11.80	23.20
9	720.00	36.90 QP	46.00	-9.10	1.37 V	1	12.10	24.80
10	900.00	34.60 QP	46.00	-11.40	1.46 V	133	7.10	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.13 TEST RESULTS (ANTENNA 5 – Adapter 2+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	270.00	40.60 QP	46.00	-5.40	1.00 H	2	26.20	14.40
2	299.98	25.10 QP	46.00	-20.90	1.02 H	210	9.90	15.20
3	360.00	39.50 QP	46.00	-6.50	1.00 H	333	22.40	17.10
4	375.00	31.10 QP	46.00	-14.90	1.00 H	294	13.50	17.60
5	399.80	30.70 QP	46.00	-15.30	1.00 H	216	12.30	18.40
6	499.98	30.30 QP	46.00	-15.70	1.79 H	50	9.60	20.70
7	540.00	36.10 QP	46.00	-9.90	1.00 H	126	13.80	22.40
8	720.00	35.10 QP	46.00	-10.90	1.00 H	7	10.30	24.80
9	899.70	33.80 QP	46.00	-12.20	1.48 H	350	6.40	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	38.50 QP	43.50	-5.00	1.02 V	190	26.00	12.50
2	200.00	26.60 QP	43.50	-16.90	1.00 V	203	17.10	9.60
3	270.00	39.60 QP	46.00	-6.40	1.65 V	92	25.20	14.40
4	300.00	23.70 QP	46.00	-22.30	1.00 V	7	8.50	15.20
5	360.00	32.60 QP	46.00	-13.40	1.63 V	21	15.50	17.10
6	450.00	38.40 QP	46.00	-7.60	1.26 V	23	18.90	19.50
7	540.00	40.10 QP	46.00	-5.90	1.24 V	36	17.80	22.40
8	624.98	27.70 QP	46.00	-18.30	1.00 V	326	4.80	22.90
9	720.00	37.40 QP	46.00	-8.60	1.18 V	7	12.60	24.80
10	900.00	34.50 QP	46.00	-11.50	1.39 V	138	7.00	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.14 TEST RESULTS (ANTENNA 9 – Adapter 1)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	30.20 QP	43.50	-13.30	1.81 H	232	17.70	12.50
2	270.00	40.60 QP	46.00	-5.40	1.29 H	18	26.20	14.40
3	360.00	40.70 QP	46.00	-5.30	1.03 H	128	23.60	17.10
4	450.00	36.70 QP	46.00	-9.30	1.34 H	151	17.20	19.50
5	500.00	35.20 QP	46.00	-10.80	1.68 H	125	14.50	20.70
6	540.00	40.30 QP	46.00	-5.70	1.00 H	57	17.90	22.40
7	640.00	36.90 QP	46.00	-9.10	1.28 H	201	13.70	23.20
8	720.00	35.30 QP	46.00	-10.70	1.30 H	254	10.50	24.80
9	900.00	37.10 QP	46.00	-8.90	1.07 H	62	9.60	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	39.10 QP	43.50	-4.40	1.00 V	128	26.60	12.50
2	270.00	40.60 QP	46.00	-5.40	1.42 V	102	26.20	14.40
3	360.00	39.40 QP	46.00	-6.60	1.28 V	1	22.30	17.10
4	450.00	39.40 QP	46.00	-6.60	1.31 V	30	19.90	19.50
5	500.00	34.50 QP	46.00	-11.50	1.17 V	68	13.80	20.70
6	540.00	40.90 QP	46.00	-5.10	1.14 V	147	18.50	22.40
7	640.00	36.90 QP	46.00	-9.10	1.57 V	37	13.70	23.20
8	720.00	36.80 QP	46.00	-9.20	1.25 V	5	12.00	24.80
9	900.00	33.40 QP	46.00	-12.60	1.34 V	158	5.90	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.15 TEST RESULTS (ANTENNA 9 – Adapter 1+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	30.30 QP	43.50	-13.20	1.87 H	214	17.80	12.50
2	270.00	39.80 QP	46.00	-6.20	1.21 H	64	25.40	14.40
3	360.00	40.10 QP	46.00	-5.90	1.34 H	165	23.00	17.10
4	450.00	37.60 QP	46.00	-8.40	1.27 H	128	18.10	19.50
5	500.00	36.20 QP	46.00	-9.80	1.55 H	137	15.50	20.70
6	540.00	40.10 QP	46.00	-5.90	1.08 H	27	17.70	22.40
7	640.00	36.40 QP	46.00	-9.60	1.31 H	182	13.20	23.20
8	720.00	35.90 QP	46.00	-10.10	1.21 H	227	11.10	24.80
9	900.00	37.60 QP	46.00	-8.40	1.14 H	48	10.10	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	40.10 QP	43.50	-3.40	1.00 V	218	27.60	12.50
2	270.00	40.10 QP	46.00	-5.90	1.75 V	108	25.70	14.40
3	300.00	30.80 QP	46.00	-15.20	1.53 V	295	15.60	15.20
4	360.00	39.60 QP	46.00	-6.40	1.57 V	14	22.50	17.10
5	450.00	38.70 QP	46.00	-7.30	1.52 V	27	19.20	19.50
6	500.00	32.90 QP	46.00	-13.10	1.07 V	50	12.20	20.70
7	540.00	40.30 QP	46.00	-5.70	1.08 V	121	17.90	22.40
8	640.00	35.90 QP	46.00	-10.10	1.62 V	21	12.70	23.20
9	720.00	36.10 QP	46.00	-9.90	1.28 V	24	11.30	24.80
10	900.00	34.00 QP	46.00	-12.00	1.22 V	181	6.50	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.16 TEST RESULTS (ANTENNA 9 – Adapter 2)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	29.40 QP	43.50	-14.10	1.27 H	203	16.90	12.50
2	270.00	41.40 QP	46.00	-4.60	1.00 H	61	27.00	14.40
3	360.00	42.10 QP	46.00	-3.90	1.02 H	152	25.00	17.10
4	450.00	37.10 QP	46.00	-8.90	1.00 H	115	17.60	19.50
5	500.00	34.00 QP	46.00	-12.00	1.67 H	108	13.30	20.70
6	540.00	37.80 QP	46.00	-8.20	1.00 H	137	15.40	22.40
7	640.00	34.50 QP	46.00	-11.50	1.51 H	89	11.30	23.20
8	720.00	37.80 QP	46.00	-8.20	1.28 H	4	13.00	24.80
9	900.00	36.40 QP	46.00	-9.60	1.10 H	34	8.90	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	39.10 QP	43.50	-4.40	1.00 V	234	26.60	12.50
2	270.00	40.80 QP	46.00	-5.20	1.63 V	111	26.40	14.40
3	360.00	40.00 QP	46.00	-6.00	1.61 V	28	22.90	17.10
4	450.00	38.90 QP	46.00	-7.10	1.57 V	31	19.40	19.50
5	500.00	33.30 QP	46.00	-12.70	1.27 V	103	12.60	20.70
6	540.00	39.70 QP	46.00	-6.30	1.02 V	147	17.30	22.40
7	640.00	35.40 QP	46.00	-10.60	1.66 V	64	12.20	23.20
8	720.00	36.60 QP	46.00	-9.40	1.14 V	22	11.80	24.80
9	900.00	34.40 QP	46.00	-11.60	1.34 V	127	6.90	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.17 TEST RESULTS (ANTENNA 9 – Adapter 2+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	28.10 QP	43.50	-15.40	1.26 H	219	15.60	12.50
2	270.00	42.20 QP	46.00	-3.80	1.00 H	75	27.80	14.40
3	360.00	42.60 QP	46.00	-3.40	1.00 H	136	25.50	17.10
4	450.00	37.80 QP	46.00	-8.20	1.00 H	134	18.30	19.50
5	500.00	34.20 QP	46.00	-11.80	1.84 H	112	13.50	20.70
6	540.00	37.50 QP	46.00	-8.50	1.02 H	131	15.10	22.40
7	640.00	35.10 QP	46.00	-10.90	1.57 H	82	11.90	23.20
8	720.00	37.20 QP	46.00	-8.80	1.22 H	28	12.40	24.80
9	900.00	36.90 QP	46.00	-9.10	1.16 H	64	9.40	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	39.40 QP	43.50	-4.10	1.01 V	296	26.90	12.50
2	270.00	40.10 QP	46.00	-5.90	1.52 V	142	25.70	14.40
3	360.00	40.40 QP	46.00	-5.60	1.52 V	37	23.30	17.10
4	450.00	39.30 QP	46.00	-6.70	1.68 V	42	19.80	19.50
5	500.00	35.70 QP	46.00	-10.30	1.41 V	127	15.00	20.70
6	540.00	41.40 QP	46.00	-4.60	1.29 V	164	19.00	22.40
7	640.00	36.70 QP	46.00	-9.30	1.44 V	42	13.50	23.20
8	720.00	36.90 QP	46.00	-9.10	1.05 V	38	12.10	24.80
9	900.00	35.20 QP	46.00	-10.80	1.26 V	142	7.70	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.18 TEST RESULTS (ANTENNA 10 – Adapter 1)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	27.80 QP	43.50	-15.70	1.53 H	240	15.30	12.50
2	200.00	24.40 QP	43.50	-19.10	1.63 H	62	14.80	9.60
3	270.00	40.10 QP	46.00	-5.90	1.00 H	48	25.70	14.40
4	360.00	41.20 QP	46.00	-4.80	1.00 H	19	24.10	17.10
5	450.00	37.80 QP	46.00	-8.20	1.00 H	138	18.30	19.50
6	500.00	33.50 QP	46.00	-12.50	2.00 H	94	12.80	20.70
7	540.00	37.60 QP	46.00	-8.40	1.02 H	142	15.20	22.40
8	640.00	35.80 QP	46.00	-10.20	1.64 H	66	12.60	23.20
9	720.00	36.10 QP	46.00	-9.90	1.25 H	10	11.30	24.80
10	900.00	36.60 QP	46.00	-9.40	1.00 H	34	9.10	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	37.10 QP	43.50	-6.40	1.00 V	116	24.60	12.50
2	270.00	40.30 QP	46.00	-5.70	1.42 V	118	25.90	14.40
3	360.00	40.40 QP	46.00	-5.60	1.34 V	308	23.30	17.10
4	450.00	40.20 QP	46.00	-5.80	1.72 V	117	20.70	19.50
5	500.00	32.60 QP	46.00	-13.40	1.46 V	57	11.90	20.70
6	540.00	41.60 QP	46.00	-4.40	1.16 V	152	19.20	22.40
7	640.00	38.10 QP	46.00	-7.90	1.38 V	234	14.90	23.20
8	720.00	38.90 QP	46.00	-7.10	1.02 V	354	14.10	24.80
9	900.00	33.90 QP	46.00	-12.10	1.60 V	120	6.40	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.19 TEST RESULTS (ANTENNA 10 – Adapter 1+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	28.20 QP	43.50	-15.30	1.32 H	208	15.70	12.50
2	200.00	26.70 QP	43.50	-16.80	1.57 H	51	17.10	9.60
3	270.00	38.20 QP	46.00	-7.80	1.00 H	69	23.80	14.40
4	360.00	40.50 QP	46.00	-5.50	1.00 H	39	23.40	17.10
5	450.00	37.50 QP	46.00	-8.50	1.03 H	131	18.00	19.50
6	500.00	34.70 QP	46.00	-11.30	2.01 H	98	14.00	20.70
7	540.00	38.20 QP	46.00	-7.80	1.00 H	137	15.80	22.40
8	640.00	36.40 QP	46.00	-9.60	1.48 H	60	13.20	23.20
9	720.00	36.80 QP	46.00	-9.20	1.21 H	28	12.00	24.80
10	900.00	37.10 QP	46.00	-8.90	1.03 H	58	9.60	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	38.20 QP	43.50	-5.30	1.00 V	129	25.70	12.50
2	270.00	40.60 QP	46.00	-5.40	1.52 V	134	26.20	14.40
3	360.00	40.60 QP	46.00	-5.40	1.48 V	321	23.50	17.10
4	450.00	40.70 QP	46.00	-5.30	1.59 V	93	21.20	19.50
5	500.00	31.80 QP	46.00	-14.20	1.52 V	34	11.10	20.70
6	540.00	42.70 QP	46.00	-3.30	1.27 V	166	20.30	22.40
7	640.00	38.60 QP	46.00	-7.40	1.33 V	259	15.40	23.20
8	720.00	38.40 QP	46.00	-7.60	1.00 V	312	13.60	24.80
9	900.00	34.20 QP	46.00	-11.80	1.64 V	124	6.70	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.20 TEST RESULTS (ANTENNA 10 – Adapter 2)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	29.00 QP	43.50	-14.50	1.88 H	251	16.50	12.50
2	250.00	32.40 QP	46.00	-13.60	1.39 H	128	18.40	14.00
3	270.00	40.90 QP	46.00	-5.10	1.24 H	43	26.50	14.40
4	360.00	40.00 QP	46.00	-6.00	1.08 H	130	22.90	17.10
5	450.00	36.90 QP	46.00	-9.10	1.18 H	137	17.40	19.50
6	500.00	34.10 QP	46.00	-11.90	1.63 H	115	13.40	20.70
7	540.00	39.40 QP	46.00	-6.60	1.04 H	73	17.00	22.40
8	640.00	36.20 QP	46.00	-9.80	1.42 H	205	13.00	23.20
9	720.00	34.80 QP	46.00	-11.20	1.34 H	267	10.00	24.80
10	900.00	36.40 QP	46.00	-9.60	1.11 H	37	8.90	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	35.30 QP	43.50	-8.20	1.01 V	121	22.80	12.50
2	270.00	40.90 QP	46.00	-5.10	1.22 V	167	26.50	14.40
3	360.00	40.10 QP	46.00	-5.90	1.39 V	327	23.00	17.10
4	450.00	40.90 QP	46.00	-5.10	1.58 V	112	21.40	19.50
5	500.00	34.30 QP	46.00	-11.70	1.52 V	39	13.60	20.70
6	540.00	42.30 QP	46.00	-3.70	1.19 V	158	19.90	22.40
7	640.00	38.40 QP	46.00	-7.60	1.31 V	251	15.20	23.20
8	720.00	38.20 QP	46.00	-7.80	1.00 V	343	13.40	24.80
9	900.00	35.20 QP	46.00	-10.80	1.34 V	138	7.70	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.21 TEST RESULTS (ANTENNA 10 – Adapter 2+POE)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 977 hPa	**TESTED BY**	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	28.30 QP	43.50	-15.20	2.01 H	286	15.80	12.50
2	250.00	31.10 QP	46.00	-14.90	1.26 H	157	17.10	14.00
3	270.00	40.70 QP	46.00	-5.30	1.09 H	28	26.30	14.40
4	360.00	40.20 QP	46.00	-5.80	1.35 H	110	23.10	17.10
5	450.00	36.20 QP	46.00	-9.80	1.03 H	128	16.70	19.50
6	500.00	33.80 QP	46.00	-12.20	1.78 H	106	13.10	20.70
7	540.00	38.20 QP	46.00	-7.80	1.00 H	59	15.80	22.40
8	640.00	34.60 QP	46.00	-11.40	1.24 H	236	11.40	23.20
9	720.00	35.10 QP	46.00	-10.90	1.06 H	104	10.30	24.80
10	900.00	36.60 QP	46.00	-9.40	1.02 H	17	9.10	27.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.00	35.60 QP	43.50	-7.90	1.00 V	129	23.10	12.50
2	270.00	41.30 QP	46.00	-4.70	1.34 V	192	26.90	14.40
3	360.00	40.30 QP	46.00	-5.70	1.52 V	308	23.20	17.10
4	450.00	40.10 QP	46.00	-5.90	1.38 V	134	20.60	19.50
5	500.00	35.70 QP	46.00	-10.30	1.42 V	75	15.00	20.70
6	540.00	40.10 QP	46.00	-5.90	1.08 V	132	17.70	22.40
7	640.00	40.90 QP	46.00	-5.10	1.24 V	227	17.70	23.20
8	720.00	38.40 QP	46.00	-7.60	1.16 V	328	13.60	24.80
9	900.00	36.60 QP	46.00	-9.40	1.21 V	126	9.10	27.50

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.22 TEST RESULTS (ANTENNA 3 – DSSS)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	32.90 PK	74.00	-41.10	1.24 H	350	4.10	28.80
1	2016.00	25.90 AV	54.00	-28.10	1.24 H	350	-2.90	28.80
2	2390.00	43.80 PK	74.00	-30.20	1.16 H	353	10.00	33.80
2	2390.00	35.90 AV	54.00	-18.10	1.16 H	353	2.10	33.80
3	*2412.00	103.30 PK	--	--	1.15 H	350	73.40	29.90
3	*2412.00	95.90 AV	--	--	1.15 H	350	66.00	29.90
4	2688.00	32.10 PK	74.00	-41.90	1.10 H	1	1.20	30.90
4	2688.00	24.60 AV	54.00	-29.40	1.10 H	1	-6.20	30.90
5	4824.00	40.40 PK	74.00	-33.60	1.01 H	1	4.20	36.20
5	4824.00	31.40 AV	54.00	-22.60	1.01 H	1	-4.80	36.20
6	7236.00	43.80 PK	74.00	-30.20	1.70 H	9	2.10	41.70
6	7236.00	35.90 AV	54.00	-18.10	1.70 H	9	-5.70	41.70
7	9648.00	46.90 PK	74.00	-27.10	1.10 H	14	2.00	44.90
7	9648.00	38.10 AV	54.00	-15.90	1.10 H	14	-6.80	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	42.80 PK	74.00	-31.20	1.13 V	351	14.00	28.80
1	2016.00	36.80 AV	54.00	-17.20	1.13 V	351	8.00	28.80
2	2390.00	58.90 PK	74.00	-15.10	1.18 V	355	25.10	33.80
2	2390.00	52.00 AV	54.00	-2.00	1.18 V	355	18.20	33.80
3	*2412.00	118.30 PK	--	--	1.16 V	354	88.40	29.90
3	*2412.00	110.90 AV	--	--	1.16 V	354	81.00	29.90
4	2688.00	39.50 PK	74.00	-34.50	1.06 V	339	8.70	30.90
4	2688.00	32.40 AV	54.00	-21.60	1.06 V	339	1.60	30.90
5	4824.00	46.40 PK	74.00	-27.60	1.01 V	356	10.20	36.20
5	4824.00	37.40 AV	54.00	-16.60	1.01 V	356	1.20	36.20
6	7236.00	47.40 PK	74.00	-26.60	1.04 V	360	5.80	41.70
6	7236.00	40.50 AV	54.00	-13.50	1.04 V	360	-1.20	41.70
7	9648.00	49.20 PK	74.00	-24.80	1.00 V	1	4.30	44.90
7	9648.00	41.40 AV	54.00	-12.60	1.00 V	1	-3.50	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	32.90 PK	74.00	-41.10	1.41 H	342	4.10	28.80
1	2016.00	28.00 AV	54.00	-26.00	1.41 H	342	-0.90	28.80
2	2390.00	43.00 PK	74.00	-31.00	1.15 H	348	9.20	33.80
2	2390.00	35.90 AV	54.00	-18.10	1.15 H	348	2.10	33.80
3	*2437.00	108.10 PK	--	--	1.14 H	345	78.10	30.00
3	*2437.00	100.40 AV	--	--	1.14 H	345	70.40	30.00
4	2483.50	43.10 PK	74.00	-30.90	1.16 H	343	13.00	30.10
4	2483.50	35.20 AV	54.00	-18.80	1.16 H	343	5.10	30.10
5	2688.00	35.50 PK	74.00	-38.50	1.11 H	356	4.60	30.90
5	2688.00	29.10 AV	54.00	-24.90	1.11 H	356	-1.80	30.90
6	4874.00	40.50 PK	74.00	-33.50	1.11 H	1	4.10	36.50
6	4874.00	31.60 AV	54.00	-22.40	1.11 H	1	-4.90	36.50
7	7311.00	46.50 PK	74.00	-27.50	1.00 H	358	4.80	41.80
7	7311.00	37.70 AV	54.00	-16.30	1.00 H	358	-4.10	41.80
8	9748.00	47.00 PK	74.00	-27.00	1.60 H	9	2.40	44.60
8	9748.00	37.30 AV	54.00	-16.70	1.60 H	9	-7.40	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	44.30 PK	74.00	-29.70	1.10 V	3	15.50	28.80
1	2016.00	40.10 AV	54.00	-13.90	1.10 V	3	11.30	28.80
2	2390.00	57.40 PK	74.00	-16.60	1.16 V	355	23.60	33.80
2	2390.00	50.10 AV	54.00	-3.90	1.16 V	355	16.30	33.80
3	*2437.00	122.80 PK	--	--	1.15 V	354	92.80	30.00
3	*2437.00	115.20 AV	--	--	1.15 V	354	85.20	30.00
4	2483.50	58.80 PK	74.00	-15.20	1.15 V	353	28.70	30.10
4	2483.50	51.20 AV	54.00	-2.80	1.15 V	353	21.10	30.10
5	2688.00	43.40 PK	74.00	-30.60	1.26 V	358	12.50	30.90
5	2688.00	38.10 AV	54.00	-15.90	1.26 V	358	7.20	30.90
6	4874.00	48.90 PK	74.00	-25.10	1.11 V	2	12.50	36.50
6	4874.00	39.40 AV	54.00	-14.60	1.11 V	2	2.90	36.50
7	7311.00	50.60 PK	74.00	-23.40	1.11 V	359	8.90	41.80
7	7311.00	42.00 AV	54.00	-12.00	1.11 V	359	0.20	41.80
8	9748.00	48.20 PK	74.00	-25.80	1.02 V	214	3.50	44.60
8	9748.00	39.30 AV	54.00	-14.70	1.02 V	214	-5.30	44.60

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	33.70 PK	74.00	-40.30	1.11 H	9	4.90	28.80
1	2016.00	28.90 AV	54.00	-25.10	1.11 H	9	0.10	28.80
2	*2462.00	102.80 PK	--	--	1.14 H	344	72.70	30.10
2	*2462.00	95.90 AV	--	--	1.14 H	344	65.90	30.10
3	2483.50	42.80 PK	74.00	-31.20	1.15 H	345	12.70	30.10
3	2483.50	35.60 AV	54.00	-18.40	1.15 H	345	5.50	30.10
4	2688.00	34.40 PK	74.00	-39.60	1.80 H	1	3.50	30.90
4	2688.00	27.60 AV	54.00	-26.40	1.80 H	1	-3.20	30.90
5	4924.00	40.60 PK	74.00	-33.40	1.40 H	1	3.90	36.70
5	4924.00	31.80 AV	54.00	-22.20	1.40 H	1	-4.90	36.70
6	7386.00	44.60 PK	74.00	-29.40	1.14 H	356	2.80	41.80
6	7386.00	36.70 AV	54.00	-17.30	1.14 H	356	-5.20	41.80
7	9848.00	46.70 PK	74.00	-27.30	1.36 H	6	2.40	44.40
7	9848.00	37.00 AV	54.00	-17.00	1.36 H	6	-7.40	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	46.60 PK	74.00	-27.40	1.11 V	342	17.80	28.80
1	2016.00	42.60 AV	54.00	-11.40	1.11 V	342	13.80	28.80
2	*2462.00	118.40 PK	--	--	1.13 V	354	88.30	30.10
2	*2462.00	111.10 AV	--	--	1.13 V	354	81.00	30.10
3	2483.50	58.30 PK	74.00	-15.70	1.14 V	355	28.20	30.10
3	2483.50	51.10 AV	54.00	-2.90	1.14 V	355	21.00	30.10
4	2688.00	41.70 PK	74.00	-32.30	1.26 V	356	10.90	30.90
4	2688.00	36.10 AV	54.00	-17.90	1.26 V	356	5.20	30.90
5	4924.00	45.60 PK	74.00	-28.40	1.11 V	357	8.90	36.70
5	4924.00	37.10 AV	54.00	-16.90	1.11 V	357	0.40	36.70
6	7386.00	47.90 PK	74.00	-26.10	1.60 V	353	6.10	41.80
6	7386.00	39.90 AV	54.00	-14.10	1.60 V	353	-2.00	41.80
7	9848.00	48.00 PK	74.00	-26.00	1.00 V	1	3.60	44.40
7	9848.00	40.00 AV	54.00	-14.00	1.00 V	1	-4.30	44.40

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.2.23 TEST RESULTS (ANTENNA 5 – DSSS)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	41.10 PK	74.00	-32.90	1.45 H	41	12.30	28.80
1	2016.00	36.20 AV	54.00	-17.80	1.45 H	41	7.40	28.80
2	2390.00	43.50 PK	74.00	-30.50	1.23 H	70	9.70	33.80
2	2390.00	35.70 AV	54.00	-18.30	1.23 H	70	1.90	33.80
3	*2412.00	100.80 PK	--	--	1.26 H	69	70.90	29.90
3	*2412.00	93.50 AV	--	--	1.26 H	69	63.60	29.90
4	2688.00	34.30 PK	74.00	-39.70	1.45 H	24	3.40	30.90
4	2688.00	30.00 AV	54.00	-24.00	1.45 H	24	-0.90	30.90
5	4824.00	41.30 PK	74.00	-32.70	1.47 H	45	5.10	36.20
5	4824.00	30.40 AV	54.00	-23.60	1.47 H	45	-5.80	36.20
6	7236.00	46.30 PK	74.00	-27.70	1.05 H	154	4.70	41.70
6	7236.00	38.50 AV	54.00	-15.50	1.05 H	154	-3.20	41.70
7	9648.00	49.00 PK	74.00	-25.00	1.64 H	269	4.10	44.90
7	9648.00	40.30 AV	54.00	-13.70	1.64 H	269	-4.60	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	52.40 PK	74.00	-21.60	1.77 V	5	23.60	28.80
1	2016.00	48.80 AV	54.00	-5.20	1.77 V	5	20.00	28.80
2	2390.00	59.40 PK	74.00	-14.60	1.09 V	48	25.60	33.80
2	2390.00	51.80 AV	54.00	-2.20	1.09 V	48	18.00	33.80
3	*2412.00	117.80 PK	--	--	1.07 V	45	87.90	29.90
3	*2412.00	110.80 AV	--	--	1.07 V	45	80.90	29.90
4	2688.00	44.10 PK	74.00	-29.90	1.04 V	37	13.20	30.90
4	2688.00	39.10 AV	54.00	-14.90	1.04 V	37	8.20	30.90
5	4824.00	45.40 PK	74.00	-28.60	1.07 V	2	9.20	36.20
5	4824.00	37.60 AV	54.00	-16.40	1.07 V	2	1.40	36.20
6	7236.00	46.30 PK	74.00	-27.70	1.45 V	354	4.60	41.70
6	7236.00	39.50 AV	54.00	-14.50	1.45 V	354	-2.20	41.70
7	9648.00	48.30 PK	74.00	-25.70	1.75 V	4	3.40	44.90
7	9648.00	40.40 AV	54.00	-13.60	1.75 V	4	-4.50	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	40.70 PK	74.00	-33.30	1.34 H	65	11.90	28.80
1	2016.00	37.60 AV	54.00	-16.40	1.34 H	65	8.80	28.80
2	2390.00	43.00 PK	74.00	-31.00	1.45 H	24	9.20	33.80
2	2390.00	35.00 AV	54.00	-19.00	1.45 H	24	1.20	33.80
3	*2437.00	103.70 PK	--	--	1.55 H	51	73.70	30.00
3	*2437.00	96.80 AV	--	--	1.55 H	51	66.80	30.00
4	2483.50	42.40 PK	74.00	-31.60	1.23 H	65	12.20	30.10
4	2483.50	34.10 AV	54.00	-19.90	1.23 H	65	4.00	30.10
5	2688.00	41.50 PK	74.00	-32.50	1.76 H	65	10.60	30.90
5	2688.00	37.70 AV	54.00	-16.30	1.76 H	65	6.80	30.90
6	4874.00	44.40 PK	74.00	-29.60	1.36 H	65	8.00	36.50
6	4874.00	34.60 AV	54.00	-19.40	1.36 H	65	-1.90	36.50
7	7311.00	47.10 PK	74.00	-26.90	1.80 H	24	5.40	41.80
7	7311.00	39.10 AV	54.00	-14.90	1.80 H	24	-2.60	41.80
8	9748.00	46.70 PK	74.00	-27.30	1.11 H	2	2.00	44.60
8	9748.00	38.60 AV	54.00	-15.40	1.11 H	2	-6.10	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	53.00 PK	74.00	-21.00	1.82 V	5	24.20	28.80
1	2016.00	50.60 AV	54.00	-3.40	1.82 V	5	21.80	28.80
2	2390.00	60.30 PK	74.00	-13.70	1.45 V	41	26.50	33.80
2	2390.00	52.00 AV	54.00	-2.00	1.45 V	41	18.20	33.80
3	*2437.00	122.00 PK	--	--	1.01 V	21	92.00	30.00
3	*2437.00	114.40 AV	--	--	1.01 V	21	84.40	30.00
4	2483.50	59.80 PK	74.00	-14.20	1.59 V	6	29.60	30.10
4	2483.50	51.10 AV	54.00	-2.90	1.59 V	6	21.00	30.10
5	2688.00	49.70 PK	74.00	-24.30	1.44 V	18	18.90	30.90
5	2688.00	46.50 AV	54.00	-7.50	1.44 V	18	15.70	30.90
6	4874.00	46.70 PK	74.00	-27.30	1.54 V	74	10.20	36.50
6	4874.00	39.00 AV	54.00	-15.00	1.54 V	74	2.50	36.50
7	7311.00	50.70 PK	74.00	-23.30	1.64 V	24	8.90	41.80
7	7311.00	43.00 AV	54.00	-11.00	1.64 V	24	1.20	41.80
8	9748.00	49.20 PK	74.00	-24.80	1.11 V	4	4.50	44.60
8	9748.00	41.30 AV	54.00	-12.70	1.11 V	4	-3.30	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	40.70 PK	74.00	-33.30	1.47 H	54	11.90	28.80
1	2016.00	36.90 AV	54.00	-17.10	1.47 H	54	8.10	28.80
2	*2462.00	101.70 PK	--	--	1.23 H	73	71.60	30.10
2	*2462.00	94.10 AV	--	--	1.23 H	73	64.00	30.10
3	2483.50	41.10 PK	74.00	-32.90	1.11 H	4	11.00	30.10
3	2483.50	33.40 AV	54.00	-20.60	1.11 H	4	3.20	30.10
4	2688.00	38.60 PK	74.00	-35.40	1.58 H	65	7.80	30.90
4	2688.00	33.70 AV	54.00	-20.30	1.58 H	65	2.80	30.90
5	4924.00	40.80 PK	74.00	-33.20	1.02 H	24	4.10	36.70
5	4924.00	32.10 AV	54.00	-21.90	1.02 H	24	-4.50	36.70
6	7386.00	46.50 PK	74.00	-27.50	1.47 H	7	4.60	41.80
6	7386.00	37.30 AV	54.00	-16.70	1.47 H	7	-4.50	41.80
7	9848.00	48.40 PK	74.00	-25.60	1.82 H	65	4.00	44.40
7	9848.00	37.30 AV	54.00	-16.70	1.82 H	65	-7.10	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	52.70 PK	74.00	-21.30	1.78 V	6	23.90	28.80
1	2016.00	49.70 AV	54.00	-4.30	1.78 V	6	20.90	28.80
2	*2462.00	117.60 PK	--	--	1.13 V	357	87.50	30.10
2	*2462.00	110.60 AV	--	--	1.13 V	357	80.50	30.10
3	2483.50	59.80 PK	74.00	-14.20	1.15 V	24	29.60	30.10
3	2483.50	51.90 AV	54.00	-2.10	1.15 V	24	21.80	30.10
4	2688.00	48.30 PK	74.00	-25.70	1.40 V	17	17.50	30.90
4	2688.00	43.60 AV	54.00	-10.40	1.40 V	17	12.70	30.90
5	4924.00	45.20 PK	74.00	-28.80	1.10 V	351	8.50	36.70
5	4924.00	36.90 AV	54.00	-17.10	1.10 V	351	0.20	36.70
6	7386.00	46.50 PK	74.00	-27.50	1.07 V	7	4.70	41.80
6	7386.00	38.10 AV	54.00	-15.90	1.07 V	7	-3.70	41.80
7	9848.00	47.00 PK	74.00	-27.00	1.11 V	354	2.60	44.40
7	9848.00	39.60 AV	54.00	-14.40	1.11 V	354	-4.80	44.40

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.2.24 TEST RESULTS (ANTENNA 9 – DSSS)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	34.60 PK	74.00	-39.40	1.07 H	7	5.80	28.80
1	2016.00	30.00 AV	54.00	-24.00	1.07 H	7	1.10	28.80
2	2390.00	44.90 PK	74.00	-29.10	1.12 H	37	11.10	33.80
2	2390.00	37.70 AV	54.00	-16.30	1.12 H	37	3.90	33.80
3	*2412.00	103.10 PK	--	--	1.12 H	38	73.20	29.90
3	*2412.00	96.40 AV	--	--	1.12 H	38	66.50	29.90
4	2688.00	35.40 PK	74.00	-38.60	1.21 H	5	4.50	30.90
4	2688.00	30.60 AV	54.00	-23.40	1.21 H	5	-0.20	30.90
5	4824.00	40.40 PK	74.00	-33.60	1.04 H	21	4.20	36.20
5	4824.00	32.40 AV	54.00	-21.60	1.04 H	21	-3.80	36.20
6	7236.00	44.20 PK	74.00	-29.80	1.14 H	1	2.60	41.70
6	7236.00	36.50 AV	54.00	-17.50	1.14 H	1	-5.20	41.70
7	9648.00	48.10 PK	74.00	-25.90	1.10 H	11	3.20	44.90
7	9648.00	37.30 AV	54.00	-16.70	1.10 H	11	-7.60	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	45.20 PK	74.00	-28.80	1.43 V	7	16.40	28.80
1	2016.00	40.90 AV	54.00	-13.10	1.43 V	7	12.10	28.80
2	2390.00	60.40 PK	74.00	-13.60	1.10 V	357	26.60	33.80
2	2390.00	52.50 AV	54.00	-1.50	1.10 V	357	18.70	33.80
3	*2412.00	119.10 PK	--	--	1.09 V	356	89.20	29.90
3	*2412.00	111.60 AV	--	--	1.09 V	356	81.70	29.90
4	2688.00	39.60 PK	74.00	-34.40	1.47 V	12	8.70	30.90
4	2688.00	35.40 AV	54.00	-18.60	1.47 V	12	4.50	30.90
5	4824.00	46.30 PK	74.00	-27.70	1.11 V	2	10.10	36.20
5	4824.00	37.60 AV	54.00	-16.40	1.11 V	2	1.40	36.20
6	7236.00	45.50 PK	74.00	-28.50	1.47 V	7	3.80	41.70
6	7236.00	38.50 AV	54.00	-15.50	1.47 V	7	-3.20	41.70
7	9648.00	48.80 PK	74.00	-25.20	1.38 V	21	3.90	44.90
7	9648.00	38.20 AV	54.00	-15.80	1.38 V	21	-6.80	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	39.40 PK	74.00	-34.60	1.11 H	4	10.50	28.80
1	2016.00	33.90 AV	54.00	-20.10	1.11 H	4	5.10	28.80
2	2390.00	44.10 PK	74.00	-29.90	1.13 H	39	10.30	33.80
2	2390.00	36.90 AV	54.00	-17.10	1.13 H	39	3.10	33.80
3	*2437.00	109.00 PK	--	--	1.13 H	38	79.00	30.00
3	*2437.00	101.20 AV	--	--	1.13 H	38	71.20	30.00
4	2483.50	43.20 PK	74.00	-30.80	1.10 H	40	13.10	30.10
4	2483.50	36.00 AV	54.00	-18.00	1.10 H	40	5.80	30.10
5	2688.00	39.10 PK	74.00	-34.90	1.21 H	14	8.20	30.90
5	2688.00	34.40 AV	54.00	-19.60	1.21 H	14	3.50	30.90
6	4874.00	47.40 PK	74.00	-26.60	1.24 H	312	10.90	36.50
6	4874.00	36.60 AV	54.00	-17.40	1.24 H	312	0.10	36.50
7	7311.00	48.10 PK	74.00	-25.90	1.28 H	320	6.30	41.80
7	7311.00	39.70 AV	54.00	-14.30	1.28 H	320	-2.10	41.80
8	9748.00	47.10 PK	74.00	-26.90	1.30 H	333	2.40	44.60
8	9748.00	37.20 AV	54.00	-16.80	1.30 H	333	-7.50	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	44.20 PK	74.00	-29.80	1.07 V	1	15.40	28.80
1	2016.00	41.50 AV	54.00	-12.50	1.07 V	1	12.70	28.80
2	2390.00	59.60 PK	74.00	-14.40	1.13 V	359	25.80	33.80
2	2390.00	51.00 AV	54.00	-3.00	1.13 V	359	17.20	33.80
3	*2437.00	124.30 PK	--	--	1.11 V	356	94.30	30.00
3	*2437.00	116.30 AV	--	--	1.11 V	356	86.30	30.00
4	2483.50	60.00 PK	74.00	-14.00	1.13 V	360	29.90	30.10
4	2483.50	51.10 AV	54.00	-2.90	1.13 V	360	21.00	30.10
5	2688.00	34.40 PK	74.00	-39.60	1.24 V	214	3.50	30.90
5	2688.00	29.70 AV	54.00	-24.30	1.24 V	214	-1.20	30.90
6	4874.00	52.00 PK	74.00	-22.00	1.24 V	15	15.50	36.50
6	4874.00	41.70 AV	54.00	-12.30	1.24 V	15	5.20	36.50
7	7311.00	49.40 PK	74.00	-24.60	1.30 V	22	7.60	41.80
7	7311.00	41.30 AV	54.00	-12.70	1.30 V	22	-0.50	41.80
8	9748.00	50.10 PK	74.00	-23.90	1.32 V	20	5.40	44.60
8	9748.00	39.00 AV	54.00	-15.00	1.32 V	20	-5.70	44.60

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	33.80 PK	74.00	-40.20	1.41 H	0	5.00	28.80
1	2016.00	29.30 AV	54.00	-24.70	1.41 H	0	0.50	28.80
2	*2462.00	103.70 PK	--	--	1.11 H	40	73.70	30.10
2	*2462.00	96.30 AV	--	--	1.11 H	40	66.20	30.10
3	2483.50	44.20 PK	74.00	-29.80	1.10 H	38	14.10	30.10
3	2483.50	37.40 AV	54.00	-16.60	1.10 H	38	7.30	30.10
4	2688.00	34.60 PK	74.00	-39.40	1.14 H	359	3.70	30.90
4	2688.00	30.50 AV	54.00	-23.50	1.14 H	359	-0.40	30.90
5	4924.00	43.20 PK	74.00	-30.80	1.23 H	32	6.50	36.70
5	4924.00	34.80 AV	54.00	-19.20	1.23 H	32	-1.90	36.70
6	7386.00	46.70 PK	74.00	-27.30	1.57 H	7	4.80	41.80
6	7386.00	37.90 AV	54.00	-16.10	1.57 H	7	-3.90	41.80
7	9848.00	49.40 PK	74.00	-24.60	1.20 H	1	5.00	44.40
7	9848.00	38.00 AV	54.00	-16.00	1.20 H	1	-6.30	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	46.20 PK	74.00	-27.80	1.54 V	24	17.40	28.80
1	2016.00	41.30 AV	54.00	-12.70	1.54 V	24	12.50	28.80
2	*2462.00	119.10 PK	--	--	1.12 V	355	89.10	30.10
2	*2462.00	111.90 AV	--	--	1.12 V	355	81.80	30.10
3	2483.50	59.00 PK	74.00	-15.00	1.13 V	356	28.90	30.10
3	2483.50	51.90 AV	54.00	-2.10	1.13 V	356	21.80	30.10
4	2688.00	32.10 PK	74.00	-41.90	4.00 V	2	1.20	30.90
4	2688.00	28.00 AV	54.00	-26.00	4.00 V	2	-2.90	30.90
5	4924.00	46.80 PK	74.00	-27.20	1.01 V	11	10.10	36.70
5	4924.00	38.00 AV	54.00	-16.00	1.01 V	11	1.30	36.70
6	7386.00	46.80 PK	74.00	-27.20	1.20 V	19	4.90	41.80
6	7386.00	38.70 AV	54.00	-15.30	1.20 V	19	-3.20	41.80
7	9848.00	48.90 PK	74.00	-25.10	1.21 V	41	4.50	44.40
7	9848.00	37.30 AV	54.00	-16.70	1.21 V	41	-7.00	44.40

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.2.25 TEST RESULTS (ANTENNA 10 – DSSS)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	33.50 PK	74.00	-40.50	1.24 H	5	4.70	28.80
1	2016.00	28.80 AV	54.00	-25.20	1.24 H	5	0.00	28.80
2	2390.00	43.50 PK	74.00	-30.50	1.11 H	51	9.60	33.80
2	2390.00	35.00 AV	54.00	-19.00	1.11 H	51	1.20	33.80
3	*2412.00	99.60 PK	--	--	1.60 H	16	69.70	29.90
3	*2412.00	92.10 AV	--	--	1.60 H	16	62.20	29.90
4	2688.00	36.00 PK	74.00	-38.00	1.08 H	10	5.10	30.90
4	2688.00	27.60 AV	54.00	-26.40	1.08 H	10	-3.20	30.90
5	4824.00	42.60 PK	74.00	-31.40	1.00 H	14	6.40	36.20
5	4824.00	34.80 AV	54.00	-19.20	1.00 H	14	-1.40	36.20
6	7236.00	45.90 PK	74.00	-28.10	1.43 H	62	4.20	41.70
6	7236.00	37.60 AV	54.00	-16.40	1.43 H	62	-4.10	41.70
7	9648.00	47.60 PK	74.00	-26.40	1.53 H	62	2.70	44.90
7	9648.00	39.10 AV	54.00	-14.90	1.53 H	62	-5.80	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	44.80 PK	74.00	-29.20	1.24 V	356	15.90	28.80
1	2016.00	40.30 AV	54.00	-13.70	1.24 V	356	11.50	28.80
2	2390.00	55.40 PK	74.00	-18.60	1.02 V	359	21.60	33.80
2	2390.00	48.60 AV	54.00	-5.40	1.02 V	359	14.80	33.80
3	*2412.00	114.60 PK	--	--	1.17 V	7	84.70	29.90
3	*2412.00	107.80 AV	--	--	1.17 V	7	77.90	29.90
4	2688.00	41.20 PK	74.00	-32.80	1.15 V	9	10.30	30.90
4	2688.00	36.90 AV	54.00	-17.10	1.15 V	9	6.00	30.90
5	4824.00	49.80 PK	74.00	-24.20	1.42 V	2	13.50	36.20
5	4824.00	40.10 AV	54.00	-13.90	1.42 V	2	3.90	36.20
6	7236.00	47.50 PK	74.00	-26.50	1.60 V	350	5.80	41.70
6	7236.00	40.60 AV	54.00	-13.40	1.60 V	350	-1.10	41.70
7	9648.00	50.40 PK	74.00	-23.60	1.00 V	1	5.50	44.90
7	9648.00	40.10 AV	54.00	-13.90	1.00 V	1	-4.80	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	38.80 PK	74.00	-35.20	1.20 H	1	10.00	28.80
1	2016.00	33.80 AV	54.00	-20.20	1.20 H	1	5.00	28.80
2	2390.00	40.80 PK	74.00	-33.20	1.14 H	21	7.00	33.80
2	2390.00	32.60 AV	54.00	-21.40	1.14 H	21	-1.20	33.80
3	*2437.00	105.10 PK	--	--	1.24 H	38	75.10	30.00
3	*2437.00	97.30 AV	--	--	1.24 H	38	67.30	30.00
4	2483.50	39.40 PK	74.00	-34.60	1.53 H	6	9.20	30.10
4	2483.50	32.90 AV	54.00	-21.10	1.53 H	6	2.80	30.10
5	2688.00	39.70 PK	74.00	-34.30	1.68 H	65	8.80	30.90
5	2688.00	32.60 AV	54.00	-21.40	1.68 H	65	1.70	30.90
6	4874.00	43.30 PK	74.00	-30.70	1.11 H	47	6.80	36.50
6	4874.00	36.20 AV	54.00	-17.80	1.11 H	47	-0.20	36.50
7	7311.00	47.00 PK	74.00	-27.00	1.76 H	246	5.20	41.80
7	7311.00	40.00 AV	54.00	-14.00	1.76 H	246	-1.80	41.80
8	9748.00	47.60 PK	74.00	-26.40	1.53 H	62	2.90	44.60
8	9748.00	39.10 AV	54.00	-14.90	1.53 H	62	-5.50	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	47.90 PK	74.00	-26.10	1.45 V	357	19.00	28.80
1	2016.00	44.40 AV	54.00	-9.60	1.45 V	357	15.60	28.80
2	2390.00	56.20 PK	74.00	-17.80	1.47 V	7	22.40	33.80
2	2390.00	48.80 AV	54.00	-5.20	1.47 V	7	15.00	33.80
3	*2437.00	121.10 PK	--	--	1.18 V	8	91.20	30.00
3	*2437.00	113.70 AV	--	--	1.18 V	8	83.70	30.00
4	2483.50	50.70 PK	74.00	-23.30	1.20 V	2	20.60	30.10
4	2483.50	43.30 AV	54.00	-10.70	1.20 V	2	13.20	30.10
5	2688.00	44.10 PK	74.00	-29.90	1.19 V	10	13.20	30.90
5	2688.00	39.70 AV	54.00	-14.30	1.19 V	10	8.80	30.90
6	4874.00	53.90 PK	74.00	-20.10	1.47 V	0	17.50	36.50
6	4874.00	43.90 AV	54.00	-10.10	1.47 V	0	7.50	36.50
7	7311.00	50.70 PK	74.00	-23.30	1.64 V	9	8.90	41.80
7	7311.00	42.90 AV	54.00	-11.10	1.64 V	9	1.10	41.80
8	9748.00	47.80 PK	74.00	-26.20	1.02 V	356	3.10	44.60
8	9748.00	40.80 AV	54.00	-13.20	1.02 V	356	-3.80	44.60

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	38.50 PK	74.00	-35.50	1.42 H	36	9.70	28.80
1	2016.00	33.80 AV	54.00	-20.20	1.42 H	36	5.00	28.80
2	*2462.00	101.20 PK	--	--	1.50 H	20	71.10	30.10
2	*2462.00	93.30 AV	--	--	1.50 H	20	63.20	30.10
3	2483.50	38.20 PK	74.00	-35.80	1.42 H	4	8.10	30.10
3	2483.50	30.40 AV	54.00	-23.60	1.42 H	4	0.20	30.10
4	2688.00	35.60 PK	74.00	-38.40	1.65 H	36	4.70	30.90
4	2688.00	29.60 AV	54.00	-24.40	1.65 H	36	-1.20	30.90
5	4924.00	41.70 PK	74.00	-32.30	1.00 H	7	5.00	36.70
5	4924.00	35.70 AV	54.00	-18.30	1.00 H	7	-1.00	36.70
6	7386.00	46.20 PK	74.00	-27.80	1.08 H	24	4.40	41.80
6	7386.00	36.90 AV	54.00	-17.10	1.08 H	24	-4.90	41.80
7	9848.00	48.20 PK	74.00	-25.80	1.11 H	11	3.90	44.40
7	9848.00	38.90 AV	54.00	-15.10	1.11 H	11	-5.50	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	49.30 PK	74.00	-24.70	1.11 V	356	20.50	28.80
1	2016.00	45.00 AV	54.00	-9.00	1.11 V	356	16.20	28.80
2	*2462.00	117.10 PK	--	--	1.17 V	9	87.10	30.10
2	*2462.00	109.80 AV	--	--	1.17 V	9	79.70	30.10
3	2483.50	57.20 PK	74.00	-16.80	1.08 V	2	27.10	30.10
3	2483.50	49.40 AV	54.00	-4.60	1.08 V	2	19.30	30.10
4	2688.00	41.70 PK	74.00	-32.30	1.09 V	8	10.80	30.90
4	2688.00	36.40 AV	54.00	-17.60	1.09 V	8	5.50	30.90
5	4924.00	49.10 PK	74.00	-24.90	1.52 V	2	12.40	36.70
5	4924.00	40.20 AV	54.00	-13.80	1.52 V	2	3.50	36.70
6	7386.00	47.90 PK	74.00	-26.10	1.47 V	357	6.00	41.80
6	7386.00	40.90 AV	54.00	-13.10	1.47 V	357	-1.00	41.80
7	9848.00	47.70 PK	74.00	-26.30	1.01 V	1	3.30	44.40
7	9848.00	38.30 AV	54.00	-15.70	1.01 V	1	-6.10	44.40

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.2.26 TEST RESULTS (ANTENNA 3 –OFDM)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	30.00 PK	74.00	-44.00	1.14 H	58	1.20	28.80
1	2016.00	25.80 AV	54.00	-28.20	1.14 H	58	-3.00	28.80
2	2390.00	44.90 PK	74.00	-29.10	1.10 H	333	11.10	33.80
2	2390.00	36.70 AV	54.00	-17.30	1.10 H	333	2.90	33.80
3	*2412.00	97.20 PK	--	--	1.09 H	337	67.30	29.90
3	*2412.00	88.50 AV	--	--	1.09 H	337	58.60	29.90
4	2688.00	30.60 PK	74.00	-43.40	1.41 H	10	-0.20	30.90
4	2688.00	25.10 AV	54.00	-28.90	1.41 H	10	-5.80	30.90
5	4824.00	38.80 PK	74.00	-35.20	1.02 H	12	2.60	36.20
5	4824.00	30.40 AV	54.00	-23.60	1.02 H	12	-5.80	36.20
6	7236.00	44.50 PK	74.00	-29.50	1.32 H	6	2.90	41.70
6	7236.00	34.50 AV	54.00	-19.50	1.32 H	6	-7.20	41.70
7	9648.00	46.80 PK	74.00	-27.20	1.00 H	356	1.90	44.90
7	9648.00	38.30 AV	54.00	-15.70	1.00 H	356	-6.60	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	42.10 PK	74.00	-31.90	1.43 V	5	13.30	28.80
1	2016.00	38.20 AV	54.00	-15.80	1.43 V	5	9.40	28.80
2	2390.00	60.40 PK	74.00	-13.60	1.18 V	356	26.60	33.80
2	2390.00	51.30 AV	54.00	-2.70	1.18 V	356	17.50	33.80
3	*2412.00	112.80 PK	--	--	1.17 V	355	82.90	29.90
3	*2412.00	103.40 AV	--	--	1.17 V	355	73.50	29.90
4	2688.00	38.90 PK	74.00	-35.10	1.04 V	352	8.10	30.90
4	2688.00	32.70 AV	54.00	-21.30	1.04 V	352	1.80	30.90
5	4824.00	41.30 PK	74.00	-32.70	1.14 V	2	5.10	36.20
5	4824.00	34.40 AV	54.00	-19.60	1.14 V	2	-1.80	36.20
6	7236.00	46.40 PK	74.00	-27.60	1.47 V	359	4.70	41.70
6	7236.00	37.80 AV	54.00	-16.20	1.47 V	359	-3.90	41.70
7	9648.00	47.40 PK	74.00	-26.60	1.24 V	7	2.50	44.90
7	9648.00	40.10 AV	54.00	-13.90	1.24 V	7	-4.80	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	39.90 PK	74.00	-34.10	1.13 H	58	11.10	28.80
1	2016.00	34.50 AV	54.00	-19.50	1.13 H	58	5.70	28.80
2	2390.00	44.30 PK	74.00	-29.70	1.10 H	335	10.50	33.80
2	2390.00	35.10 AV	54.00	-18.90	1.10 H	335	1.30	33.80
3	*2437.00	103.10 PK	--	--	1.10 H	336	73.10	30.00
3	*2437.00	95.40 AV	--	--	1.10 H	336	65.40	30.00
4	2483.50	43.70 PK	74.00	-30.30	1.11 H	335	13.60	30.10
4	2483.50	34.40 AV	54.00	-19.60	1.11 H	335	4.30	30.10
5	2688.00	33.50 PK	74.00	-40.50	1.20 H	352	2.60	30.90
5	2688.00	27.70 AV	54.00	-26.30	1.20 H	352	-3.20	30.90
6	4874.00	39.60 PK	74.00	-34.40	1.54 H	21	3.10	36.50
6	4874.00	31.60 AV	54.00	-22.40	1.54 H	21	-4.90	36.50
7	7311.00	43.50 PK	74.00	-30.50	1.07 H	14	1.70	41.80
7	7311.00	36.50 AV	54.00	-17.50	1.07 H	14	-5.30	41.80
8	9748.00	47.20 PK	74.00	-26.80	1.01 H	357	2.50	44.60
8	9748.00	37.10 AV	54.00	-16.90	1.01 H	357	-7.60	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	50.40 PK	74.00	-23.60	1.13 V	8	21.60	28.80
1	2016.00	47.30 AV	54.00	-6.70	1.13 V	8	18.50	28.80
2	2390.00	60.00 PK	74.00	-14.00	1.17 V	360	26.20	33.80
2	2390.00	50.90 AV	54.00	-3.10	1.17 V	360	17.10	33.80
3	*2437.00	118.50 PK	--	--	1.16 V	353	88.50	30.00
3	*2437.00	110.50 AV	--	--	1.16 V	353	80.50	30.00
4	2483.50	59.70 PK	74.00	-14.30	1.18 V	352	29.50	30.10
4	2483.50	51.00 AV	54.00	-3.00	1.18 V	352	20.90	30.10
5	2688.00	43.40 PK	74.00	-30.60	1.55 V	357	12.50	30.90
5	2688.00	38.40 AV	54.00	-15.60	1.55 V	357	7.60	30.90
6	4874.00	48.60 PK	74.00	-25.40	1.01 V	4	12.10	36.50
6	4874.00	40.60 AV	54.00	-13.40	1.01 V	4	4.10	36.50
7	7311.00	46.60 PK	74.00	-27.40	1.11 V	14	4.80	41.80
7	7311.00	39.70 AV	54.00	-14.30	1.11 V	14	-2.10	41.80
8	9748.00	48.20 PK	74.00	-25.80	1.09 V	356	3.60	44.60
8	9748.00	39.30 AV	54.00	-14.70	1.09 V	356	-5.40	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	35.90 PK	74.00	-38.10	1.15 H	60	7.10	28.80
1	2016.00	29.90 AV	54.00	-24.10	1.15 H	60	1.10	28.80
2	*2462.00	97.80 PK	--	--	1.10 H	336	67.70	30.10
2	*2462.00	89.00 AV	--	--	1.10 H	336	58.90	30.10
3	2483.50	43.90 PK	74.00	-30.10	1.11 H	333	13.80	30.10
3	2483.50	36.20 AV	54.00	-17.80	1.11 H	333	6.00	30.10
4	2688.00	32.50 PK	74.00	-41.50	1.08 H	356	1.60	30.90
4	2688.00	26.70 AV	54.00	-27.30	1.08 H	356	-4.20	30.90
5	4924.00	38.90 PK	74.00	-35.10	1.42 H	314	2.20	36.70
5	4924.00	31.80 AV	54.00	-22.20	1.42 H	314	-4.90	36.70
6	7386.00	44.70 PK	74.00	-29.30	1.08 H	360	2.80	41.80
6	7386.00	35.90 AV	54.00	-18.10	1.08 H	360	-5.90	41.80
7	9848.00	46.40 PK	74.00	-27.60	1.54 H	14	2.10	44.40
7	9848.00	36.50 AV	54.00	-17.50	1.54 H	14	-7.90	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	47.90 PK	74.00	-26.10	1.42 V	5	19.10	28.80
1	2016.00	44.50 AV	54.00	-9.50	1.42 V	5	15.60	28.80
2	*2462.00	112.00 PK	--	--	1.17 V	353	81.90	30.10
2	*2462.00	103.10 AV	--	--	1.17 V	353	73.00	30.10
3	2483.50	59.80 PK	74.00	-14.20	1.18 V	354	29.70	30.10
3	2483.50	51.20 AV	54.00	-2.80	1.18 V	354	21.10	30.10
4	2688.00	41.40 PK	74.00	-32.60	1.08 V	340	10.50	30.90
4	2688.00	34.90 AV	54.00	-19.10	1.08 V	340	4.10	30.90
5	4924.00	41.70 PK	74.00	-32.30	1.10 V	0	5.00	36.70
5	4924.00	33.80 AV	54.00	-20.20	1.10 V	0	-2.90	36.70
6	7386.00	46.30 PK	74.00	-27.70	1.24 V	12	4.40	41.80
6	7386.00	36.80 AV	54.00	-17.20	1.24 V	12	-5.00	41.80
7	9848.00	48.90 PK	74.00	-25.10	1.02 V	21	4.50	44.40
7	9848.00	39.30 AV	54.00	-14.70	1.02 V	21	-5.00	44.40

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Turbo Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	36.90 PK	74.00	-37.10	1.42 H	14	8.10	28.80
1	2016.00	31.50 AV	54.00	-22.50	1.42 H	14	2.70	28.80
2	2390.00	44.90 PK	74.00	-29.10	1.15 H	337	11.10	33.80
2	2390.00	35.30 AV	54.00	-18.70	1.15 H	337	1.50	33.80
3	*2437.00	96.10 PK	--	--	1.14 H	335	66.10	30.00
3	*2437.00	88.10 AV	--	--	1.14 H	335	58.10	30.00
4	2483.50	43.90 PK	74.00	-30.10	1.15 H	337	13.80	30.10
4	2483.50	34.70 AV	54.00	-19.30	1.15 H	337	4.60	30.10
5	2688.00	31.50 PK	74.00	-42.50	1.11 H	47	0.60	30.90
5	2688.00	24.60 AV	54.00	-29.40	1.11 H	47	-6.30	30.90
6	4874.00	38.50 PK	74.00	-35.50	1.20 H	14	2.10	36.50
6	4874.00	31.60 AV	54.00	-22.40	1.20 H	14	-4.90	36.50
7	7311.00	44.40 PK	74.00	-29.60	1.02 H	1	2.70	41.80
7	7311.00	36.70 AV	54.00	-17.30	1.02 H	1	-5.10	41.80
8	9748.00	46.20 PK	74.00	-27.80	1.07 H	8	1.50	44.60
8	9748.00	38.10 AV	54.00	-15.90	1.07 H	8	-6.50	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	46.90 PK	74.00	-27.10	1.40 V	9	18.10	28.80
1	2016.00	44.40 AV	54.00	-9.60	1.40 V	9	15.60	28.80
2	2390.00	60.00 PK	74.00	-14.00	1.15 V	352	26.20	33.80
2	2390.00	51.00 AV	54.00	-3.00	1.15 V	352	17.20	33.80
3	*2437.00	111.40 PK	--	--	1.16 V	351	81.40	30.00
3	*2437.00	103.60 AV	--	--	1.16 V	351	73.60	30.00
4	2483.50	60.00 PK	74.00	-14.00	1.15 V	350	29.90	30.10
4	2483.50	50.90 AV	54.00	-3.10	1.15 V	350	20.80	30.10
5	2688.00	43.50 PK	74.00	-30.50	1.30 V	336	12.60	30.90
5	2688.00	37.30 AV	54.00	-16.70	1.30 V	336	6.50	30.90
6	4874.00	46.50 PK	74.00	-27.50	1.01 V	47	10.10	36.50
6	4874.00	37.90 AV	54.00	-16.10	1.01 V	47	1.40	36.50
7	7311.00	46.50 PK	74.00	-27.50	1.04 V	21	4.80	41.80
7	7311.00	38.70 AV	54.00	-15.30	1.04 V	21	-3.10	41.80
8	9748.00	48.00 PK	74.00	-26.00	1.09 V	2	3.40	44.60
8	9748.00	39.20 AV	54.00	-14.80	1.09 V	2	-5.50	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.2.27 TEST RESULTS (ANTENNA 5 –OFDM)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	41.70 PK	74.00	-32.30	1.40 H	10	12.90	28.80
1	2016.00	36.90 AV	54.00	-17.10	1.40 H	10	8.10	28.80
2	2390.00	40.50 PK	74.00	-33.50	1.20 H	359	6.70	33.80
2	2390.00	30.80 AV	54.00	-23.20	1.20 H	359	-3.00	33.80
3	*2412.00	95.30 PK	--	--	1.17 H	355	65.40	29.90
3	*2412.00	87.40 AV	--	--	1.17 H	355	57.50	29.90
4	2688.00	37.50 PK	74.00	-36.50	1.01 H	1	6.60	30.90
4	2688.00	31.90 AV	54.00	-22.10	1.01 H	1	1.10	30.90
5	4824.00	37.70 PK	74.00	-36.30	1.21 H	1	1.50	36.20
5	4824.00	30.40 AV	54.00	-23.60	1.21 H	1	-5.80	36.20
6	7236.00	45.80 PK	74.00	-28.20	1.40 H	354	4.20	41.70
6	7236.00	36.50 AV	54.00	-17.50	1.40 H	354	-5.20	41.70
7	9648.00	47.10 PK	74.00	-26.90	1.10 H	12	2.20	44.90
7	9648.00	37.40 AV	54.00	-16.60	1.10 H	12	-7.50	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	53.30 PK	74.00	-20.70	1.93 V	52	24.50	28.80
1	2016.00	52.10 AV	54.00	-1.90	1.93 V	52	23.30	28.80
2	2390.00	59.80 PK	74.00	-14.20	1.25 V	35	26.00	33.80
2	2390.00	50.80 AV	54.00	-3.20	1.25 V	35	17.00	33.80
3	*2412.00	111.40 PK	--	--	1.23 V	19	81.50	29.90
3	*2412.00	102.90 AV	--	--	1.23 V	19	73.00	29.90
4	2688.00	46.90 PK	74.00	-27.10	1.44 V	333	16.10	30.90
4	2688.00	41.60 AV	54.00	-12.40	1.44 V	333	10.80	30.90
5	4824.00	43.40 PK	74.00	-30.60	1.60 V	2	7.20	36.20
5	4824.00	34.40 AV	54.00	-19.60	1.60 V	2	-1.80	36.20
6	7236.00	45.40 PK	74.00	-28.60	1.11 V	14	3.80	41.70
6	7236.00	36.50 AV	54.00	-17.50	1.11 V	14	-5.20	41.70
7	9648.00	47.40 PK	74.00	-26.60	1.60 V	9	2.50	44.90
7	9648.00	38.30 AV	54.00	-15.70	1.60 V	9	-6.60	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	45.90 PK	79.20	-33.30	1.60 H	2	17.10	28.80
1	2016.00	41.90 AV	71.70	-29.80	1.60 H	2	13.10	28.80
2	2390.00	40.50 PK	74.00	-33.50	1.16 H	359	6.70	33.80
2	2390.00	32.40 AV	54.00	-21.60	1.16 H	359	-1.40	33.80
3	*2437.00	99.20 PK	--	--	1.17 H	356	69.20	30.00
3	*2437.00	91.70 AV	--	--	1.17 H	356	61.70	30.00
4	2483.50	37.60 PK	74.00	-36.40	1.16 H	359	7.50	30.10
4	2483.50	30.80 AV	54.00	-23.20	1.16 H	359	0.70	30.10
5	2688.00	36.70 PK	74.00	-37.30	1.11 H	4	5.80	30.90
5	2688.00	32.90 AV	54.00	-21.10	1.11 H	4	2.10	30.90
6	4874.00	39.50 PK	74.00	-34.50	1.53 H	62	3.00	36.50
6	4874.00	31.60 AV	54.00	-22.40	1.53 H	62	-4.90	36.50
7	7311.00	44.40 PK	74.00	-29.60	1.11 H	8	2.70	41.80
7	7311.00	36.30 AV	54.00	-17.70	1.11 H	8	-5.50	41.80
8	9748.00	48.60 PK	74.00	-25.40	1.68 H	6	4.00	44.60
8	9748.00	38.80 AV	54.00	-15.20	1.68 H	6	-5.90	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	59.80 PK	97.00	-37.2	1.88 V	44	31.00	28.80
1	2016.00	55.90 AV	89.20	-33.3	1.88 V	44	27.10	28.80
2	2390.00	60.00 PK	74.00	-14.00	1.20 V	13	26.20	33.80
2	2390.00	51.60 AV	54.00	-2.40	1.20 V	13	17.80	33.80
3	*2437.00	117.00 PK	--	--	1.14 V	30	87.00	30.00
3	*2437.00	109.20 AV	--	--	1.14 V	30	79.20	30.00
4	2483.50	57.00 PK	74.00	-17.00	1.20 V	354	26.90	30.10
4	2483.50	48.40 AV	54.00	-5.60	1.20 V	354	18.30	30.10
5	2688.00	49.80 PK	74.00	-24.20	1.50 V	352	18.90	30.90
5	2688.00	46.30 AV	54.00	-7.70	1.50 V	352	15.40	30.90
6	4874.00	47.60 PK	74.00	-26.40	1.43 V	65	11.10	36.50
6	4874.00	36.90 AV	54.00	-17.10	1.43 V	65	0.40	36.50
7	7311.00	49.70 PK	74.00	-24.30	1.60 V	1	7.90	41.80
7	7311.00	40.90 AV	54.00	-13.10	1.60 V	1	-0.90	41.80
8	9748.00	49.70 PK	74.00	-24.30	1.74 V	356	5.10	44.60
8	9748.00	40.50 AV	54.00	-13.50	1.74 V	356	-4.10	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	42.70 PK	73.20	-30.50	1.74 H	32	13.90	28.80
1	2016.00	37.90 AV	65.00	-27.10	1.74 H	32	9.10	28.80
2	*2462.00	93.20 PK	--	--	1.18 H	353	63.10	30.10
2	*2462.00	85.00 AV	--	--	1.18 H	353	54.90	30.10
3	2483.50	41.00 PK	74.00	-33.00	1.11 H	40	10.90	30.10
3	2483.50	32.10 AV	54.00	-21.90	1.11 H	40	2.00	30.10
4	2688.00	34.40 PK	74.00	-39.60	1.20 H	2	3.50	30.90
4	2688.00	28.70 AV	54.00	-25.30	1.20 H	2	-2.20	30.90
5	4924.00	39.60 PK	74.00	-34.40	1.52 H	20	2.90	36.70
5	4924.00	30.90 AV	54.00	-23.10	1.52 H	20	-5.80	36.70
6	7386.00	44.30 PK	74.00	-29.70	1.43 H	340	2.50	41.80
6	7386.00	37.20 AV	54.00	-16.80	1.43 H	340	-4.70	41.80
7	9848.00	46.80 PK	74.00	-27.20	1.10 H	1	2.40	44.40
7	9848.00	37.00 AV	54.00	-17.00	1.10 H	1	-7.30	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	56.40 PK	91.00	-34.6	1.53 V	51	27.60	28.80
1	2016.00	54.60 AV	82.90	-28.3	1.53 V	51	25.80	28.80
2	*2462.00	111.00 PK	--	--	1.17 V	347	80.90	30.10
2	*2462.00	102.90 AV	--	--	1.17 V	347	72.80	30.10
3	2483.50	60.80 PK	74.00	-13.20	1.20 V	350	30.70	30.10
3	2483.50	52.00 AV	54.00	-2.00	1.20 V	350	21.90	30.10
4	2688.00	47.20 PK	74.00	-26.80	1.43 V	16	16.30	30.90
4	2688.00	42.80 AV	54.00	-11.20	1.43 V	16	11.90	30.90
5	4924.00	43.10 PK	74.00	-30.90	1.40 V	1	6.50	36.70
5	4924.00	34.80 AV	54.00	-19.20	1.40 V	1	-1.90	36.70
6	7386.00	45.50 PK	74.00	-28.50	1.74 V	7	3.60	41.80
6	7386.00	37.20 AV	54.00	-16.80	1.74 V	7	-4.60	41.80
7	9848.00	48.50 PK	74.00	-25.50	1.02 V	9	4.10	44.40
7	9848.00	39.00 AV	54.00	-15.00	1.02 V	9	-5.30	44.40

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Turbo Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	42.90 PK	72.30	-29.40	1.53 H	62	14.10	28.80
1	2016.00	40.90 AV	64.80	-23.90	1.53 H	62	12.10	28.80
2	2390.00	40.80 PK	74.00	-33.20	1.53 H	62	7.00	33.80
2	2390.00	32.20 AV	54.00	-21.80	1.53 H	62	-1.60	33.80
3	*2437.00	92.30 PK	--	--	1.20 H	357	62.30	30.00
3	*2437.00	84.80 AV	--	--	1.20 H	357	54.80	30.00
4	2483.50	37.10 PK	74.00	-36.90	1.18 H	1	7.00	30.10
4	2483.50	28.10 AV	54.00	-25.90	1.18 H	1	-2.00	30.10
5	2688.00	37.40 PK	74.00	-36.60	1.46 H	63	6.50	30.90
5	2688.00	31.70 AV	54.00	-22.30	1.46 H	63	0.80	30.90
6	4874.00	39.60 PK	74.00	-34.40	1.54 H	24	3.10	36.50
6	4874.00	30.60 AV	54.00	-23.40	1.54 H	24	-5.90	36.50
7	7311.00	44.40 PK	74.00	-29.60	1.11 H	6	2.70	41.80
7	7311.00	34.70 AV	54.00	-19.30	1.11 H	6	-7.10	41.80
8	9748.00	48.10 PK	74.00	-25.90	1.08 H	7	3.40	44.60
8	9748.00	37.30 AV	54.00	-16.70	1.08 H	7	-7.30	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	51.70 PK	93.00	-41.30	1.92 V	55	22.90	28.80
1	2016.00	54.00 AV	84.30	-30.30	1.92 V	55	25.20	28.80
2	2390.00	60.50 PK	74.00	-13.50	1.15 V	353	26.70	33.80
2	**2390.00**	**52.80 AV**	**54.00**	**-1.20**	**1.15 V**	**353**	**19.00**	**33.80**
3	*2437.00	113.00 PK	--	--	1.14 V	341	83.00	30.00
3	*2437.00	104.30 AV	--	--	1.14 V	341	74.30	30.00
4	2483.50	58.70 PK	74.00	-15.30	1.13 V	359	28.50	30.10
4	2483.50	49.80 AV	54.00	-4.20	1.13 V	359	19.60	30.10
5	2688.00	47.60 PK	74.00	-26.40	1.50 V	1	16.70	30.90
5	2688.00	42.90 AV	54.00	-11.10	1.50 V	1	12.10	30.90
6	4874.00	41.70 PK	74.00	-32.30	1.00 V	356	5.20	36.50
6	4874.00	33.10 AV	54.00	-20.90	1.00 V	356	-3.30	36.50
7	7311.00	45.90 PK	74.00	-28.10	1.43 V	6	4.10	41.80
7	7311.00	37.10 AV	54.00	-16.90	1.43 V	6	-4.70	41.80
8	9748.00	47.90 PK	74.00	-26.10	1.01 V	2	3.30	44.60
8	9748.00	38.90 AV	54.00	-15.10	1.01 V	2	-5.80	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.2.28 TEST RESULTS (ANTENNA 9 –OFDM)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	38.70 PK	74.00	-35.30	1.19 H	18	9.90	28.80
1	2016.00	33.80 AV	54.00	-20.20	1.19 H	18	5.00	28.80
2	2390.00	44.80 PK	74.00	-29.20	1.13 H	29	11.00	33.80
2	2390.00	37.10 AV	54.00	-16.90	1.13 H	29	3.30	33.80
3	*2412.00	97.40 PK	--	--	1.12 H	33	67.50	29.90
3	*2412.00	89.30 AV	--	--	1.12 H	33	59.40	29.90
4	2688.00	33.60 PK	74.00	-40.40	1.12 H	20	2.70	30.90
4	2688.00	26.60 AV	54.00	-27.40	1.12 H	20	-4.20	30.90
5	4824.00	41.30 PK	74.00	-32.70	1.41 H	12	5.10	36.20
5	4824.00	31.40 AV	54.00	-22.60	1.41 H	12	-4.80	36.20
6	7236.00	46.40 PK	74.00	-27.60	1.54 H	1	4.70	41.70
6	7236.00	38.50 AV	54.00	-15.50	1.54 H	1	-3.20	41.70
7	9648.00	50.40 PK	74.00	-23.60	1.11 H	14	5.50	44.90
7	9648.00	39.40 AV	54.00	-14.60	1.11 H	14	-5.50	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	47.80 PK	74.00	-26.20	1.40 V	339	18.90	28.80
1	2016.00	45.70 AV	54.00	-8.30	1.40 V	339	16.90	28.80
2	2390.00	61.80 PK	74.00	-12.20	1.16 V	359	28.00	33.80
2	2390.00	52.40 AV	54.00	-1.60	1.16 V	359	18.60	33.80
3	*2412.00	112.30 PK	--	--	1.15 V	356	82.40	29.90
3	*2412.00	104.50 AV	--	--	1.15 V	356	74.60	29.90
4	2688.00	43.10 PK	74.00	-30.90	1.65 V	0	12.20	30.90
4	2688.00	38.20 AV	54.00	-15.80	1.65 V	0	7.30	30.90
5	4824.00	46.40 PK	74.00	-27.60	1.20 V	1	10.20	36.20
5	4824.00	34.50 AV	54.00	-19.50	1.20 V	1	-1.80	36.20
6	7236.00	48.90 PK	74.00	-25.10	1.12 V	2	7.20	41.70
6	7236.00	39.50 AV	54.00	-14.50	1.12 V	2	-2.20	41.70
7	9648.00	48.40 PK	74.00	-25.60	1.20 V	1	3.50	44.90
7	9648.00	39.40 AV	54.00	-14.60	1.20 V	1	-5.50	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	45.80 PK	83.60	-37.80	1.18 H	12	17.00	28.80
1	2016.00	41.70 AV	75.40	-33.70	1.18 H	12	12.90	28.80
2	2390.00	43.90 PK	74.00	-30.10	1.14 H	40	10.10	33.80
2	2390.00	36.60 AV	54.00	-17.40	1.14 H	40	2.80	33.80
3	*2437.00	103.60 PK	--	--	1.13 H	36	73.70	30.00
3	*2437.00	95.40 AV	--	--	1.13 H	36	65.40	30.00
4	2483.50	43.10 PK	74.00	-30.90	1.13 H	19	13.00	30.10
4	2483.50	36.00 AV	54.00	-18.00	1.13 H	19	5.90	30.10
5	2688.00	37.10 PK	74.00	-36.90	1.50 H	24	6.20	30.90
5	2688.00	33.10 AV	54.00	-20.90	1.50 H	24	2.20	30.90
6	4874.00	43.50 PK	74.00	-30.50	1.13 H	38	7.00	36.50
6	4874.00	32.30 AV	54.00	-21.70	1.13 H	38	-4.10	36.50
7	7311.00	52.70 PK	74.00	-21.30	1.15 H	343	10.90	41.80
7	7311.00	40.60 AV	54.00	-13.40	1.15 H	343	-1.20	41.80
8	9748.00	51.00 PK	74.00	-23.00	1.20 H	118	6.30	44.60
8	9748.00	39.60 AV	54.00	-14.40	1.20 H	118	-5.00	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	56.60 PK	99.80	-43.20	1.40 V	7	27.80	28.80
1	2016.00	54.00 AV	91.00	-37.00	1.40 V	7	25.20	28.80
2	2390.00	59.50 PK	74.00	-14.50	1.13 V	354	25.70	33.80
2	2390.00	51.70 AV	54.00	-2.30	1.13 V	354	17.90	33.80
3	*2437.00	119.80 PK	--	--	1.12 V	353	89.80	30.00
3	*2437.00	111.00 AV	--	--	1.12 V	353	81.00	30.00
4	2483.50	60.30 PK	74.00	-13.70	1.13 V	359	30.20	30.10
4	2483.50	51.90 AV	54.00	-2.10	1.13 V	359	21.80	30.10
5	2688.00	44.70 PK	74.00	-29.30	1.76 V	14	13.80	30.90
5	2688.00	40.90 AV	54.00	-13.10	1.76 V	14	10.00	30.90
6	4874.00	49.50 PK	74.00	-24.50	1.34 V	214	13.00	36.50
6	4874.00	37.30 AV	54.00	-16.70	1.34 V	214	0.80	36.50
7	7311.00	49.10 PK	74.00	-24.90	1.15 V	20	7.30	41.80
7	7311.00	38.60 AV	54.00	-15.40	1.15 V	20	-3.10	41.80
8	9748.00	50.60 PK	74.00	-23.40	1.20 V	250	6.00	44.60
8	9748.00	39.50 AV	54.00	-14.50	1.20 V	250	-5.10	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	39.70 PK	74.00	-34.30	1.15 H	2	10.90	28.80
1	2016.00	35.40 AV	54.00	-18.60	1.15 H	2	6.60	28.80
2	*2462.00	98.20 PK	--	--	1.11 H	35	68.10	30.10
2	*2462.00	89.30 AV	--	--	1.11 H	35	59.30	30.10
3	2483.50	46.20 PK	74.00	-27.80	1.12 H	37	16.10	30.10
3	2483.50	38.20 AV	54.00	-15.80	1.12 H	37	8.10	30.10
4	2688.00	32.10 PK	74.00	-41.90	1.32 H	6	1.20	30.90
4	2688.00	26.60 AV	54.00	-27.40	1.32 H	6	-4.20	30.90
5	4924.00	41.70 PK	74.00	-32.30	1.42 H	350	5.00	36.70
5	4924.00	31.80 AV	54.00	-22.20	1.42 H	350	-4.90	36.70
6	7386.00	47.00 PK	74.00	-27.00	1.11 H	2	5.20	41.80
6	7386.00	38.90 AV	54.00	-15.10	1.11 H	2	-2.90	41.80
7	9848.00	48.90 PK	74.00	-25.10	1.53 H	6	4.60	44.40
7	9848.00	39.00 AV	54.00	-15.00	1.53 H	6	-5.30	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	49.40 PK	74.00	-24.60	1.39 V	1	20.60	28.80
1	2016.00	46.90 AV	54.00	-7.10	1.39 V	1	18.10	28.80
2	*2462.00	112.60 PK	--	--	1.14 V	356	82.50	30.10
2	*2462.00	104.30 AV	--	--	1.14 V	356	74.30	30.10
3	2483.50	60.20 PK	74.00	-13.80	1.15 V	359	30.10	30.10
3	2483.50	52.40 AV	54.00	-1.60	1.15 V	359	22.30	30.10
4	2688.00	44.10 PK	74.00	-29.90	1.66 V	1	13.20	30.90
4	2688.00	39.70 AV	54.00	-14.30	1.66 V	1	8.80	30.90
5	4924.00	47.80 PK	74.00	-26.20	1.11 V	1	11.10	36.70
5	4924.00	34.80 AV	54.00	-19.20	1.11 V	1	-1.90	36.70
6	7386.00	49.90 PK	74.00	-24.10	1.11 V	357	8.00	41.80
6	7386.00	38.90 AV	54.00	-15.10	1.11 V	357	-2.90	41.80
7	9848.00	47.90 PK	74.00	-26.10	1.41 V	2	3.60	44.40
7	9848.00	39.00 AV	54.00	-15.00	1.41 V	2	-5.30	44.40

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Turbo Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	41.70 PK	74.00	-32.30	1.09 H	5	12.90	28.80
1	2016.00	36.90 AV	54.00	-17.10	1.09 H	5	8.10	28.80
2	2390.00	45.70 PK	74.00	-28.30	1.10 H	39	11.90	33.80
2	2390.00	37.50 AV	54.00	-16.50	1.10 H	39	3.70	33.80
3	*2437.00	95.20 PK	--	--	1.12 H	34	65.20	30.00
3	*2437.00	88.30 AV	--	--	1.12 H	34	58.30	30.00
4	2483.50	43.70 PK	74.00	-30.30	1.11 H	40	13.60	30.10
4	2483.50	37.10 AV	54.00	-16.90	1.11 H	40	7.00	30.10
5	2688.00	33.40 PK	74.00	-40.60	1.51 H	4	2.50	30.90
5	2688.00	28.70 AV	54.00	-25.30	1.51 H	4	-2.20	30.90
6	4874.00	41.50 PK	74.00	-32.50	1.24 H	40	5.00	36.50
6	4874.00	31.20 AV	54.00	-22.80	1.24 H	40	-5.30	36.50
7	7311.00	49.30 PK	74.00	-24.70	1.28 H	10	7.50	41.80
7	7311.00	37.00 AV	54.00	-17.00	1.28 H	10	-4.80	41.80
8	9748.00	49.20 PK	74.00	-24.80	1.33 H	69	4.50	44.60
8	9748.00	38.70 AV	54.00	-15.30	1.33 H	69	-5.90	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	53.40 PK	74.00	-20.60	1.39 V	8	24.60	28.80
1	2016.00	50.90 AV	54.00	-3.10	1.39 V	8	22.10	28.80
2	2390.00	60.60 PK	74.00	-13.40	1.11 V	353	26.80	33.80
2	2390.00	51.50 AV	54.00	-2.50	1.11 V	353	17.70	33.80
3	*2437.00	112.80 PK	--	--	1.10 V	354	82.80	30.00
3	*2437.00	104.10 AV	--	--	1.10 V	354	74.10	30.00
4	2483.50	59.20 PK	74.00	-14.80	1.12 V	355	29.10	30.10
4	2483.50	51.60 AV	54.00	-2.40	1.12 V	355	21.50	30.10
5	2688.00	42.00 PK	74.00	-32.00	1.80 V	10	11.20	30.90
5	2688.00	38.10 AV	54.00	-15.90	1.80 V	10	7.20	30.90
6	4874.00	43.20 PK	74.00	-30.80	1.11 V	69	6.70	36.50
6	4874.00	31.90 AV	54.00	-22.10	1.11 V	69	-4.60	36.50
7	7311.00	49.50 PK	74.00	-24.50	1.20 V	21	7.70	41.80
7	7311.00	37.30 AV	54.00	-16.70	1.20 V	21	-4.40	41.80
8	9748.00	49.80 PK	74.00	-24.20	1.38 V	30	5.20	44.60
8	9748.00	39.20 AV	54.00	-14.80	1.38 V	30	-5.40	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.2.29 TEST RESULTS (ANTENNA 10 –OFDM)

EUT	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	34.70 PK	74.00	-39.30	1.02 H	1	5.90	28.80
1	2016.00	29.80 AV	54.00	-24.20	1.02 H	1	1.00	28.80
2	2390.00	42.30 PK	74.00	-31.70	1.50 H	319	8.50	33.80
2	2390.00	32.70 AV	54.00	-21.30	1.50 H	319	-1.10	33.80
3	*2412.00	92.10 PK	--	--	1.47 H	322	62.20	29.90
3	*2412.00	83.00 AV	--	--	1.47 H	322	53.10	29.90
4	2688.00	34.50 PK	74.00	-39.50	1.45 H	24	3.60	30.90
4	2688.00	27.60 AV	54.00	-26.40	1.45 H	24	-3.20	30.90
5	4824.00	42.60 PK	74.00	-31.40	1.54 H	21	6.40	36.20
5	4824.00	32.80 AV	54.00	-21.20	1.54 H	21	-3.50	36.20
6	7236.00	44.50 PK	74.00	-29.50	1.42 H	1	2.90	41.70
6	7236.00	37.60 AV	54.00	-16.40	1.42 H	1	-4.10	41.70
7	9648.00	49.00 PK	74.00	-25.00	1.25 H	4	4.10	44.90
7	9648.00	40.20 AV	54.00	-13.80	1.25 H	4	-4.70	44.90

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	45.00 PK	74.00	-29.00	1.44 V	2	16.20	28.80
1	2016.00	40.30 AV	54.00	-13.70	1.44 V	2	11.50	28.80
2	2390.00	55.80 PK	74.00	-18.20	1.01 V	29	22.00	33.80
2	2390.00	46.70 AV	54.00	-7.30	1.01 V	29	12.90	33.80
3	*2412.00	107.10 PK	--	--	1.00 V	30	77.20	29.90
3	*2412.00	98.70 AV	--	--	1.00 V	30	68.80	29.90
4	2688.00	40.10 PK	74.00	-33.90	1.11 V	347	9.20	30.90
4	2688.00	33.00 AV	54.00	-21.00	1.11 V	347	2.10	30.90
5	4824.00	44.40 PK	74.00	-29.60	1.65 V	247	8.20	36.20
5	4824.00	35.70 AV	54.00	-18.30	1.65 V	247	-0.50	36.20
6	7236.00	47.40 PK	74.00	-26.60	1.68 V	9	5.80	41.70
6	7236.00	37.90 AV	54.00	-16.10	1.68 V	9	-3.80	41.70
7	9648.00	50.40 PK	74.00	-23.60	1.36 V	65	5.50	44.90
7	9648.00	39.70 AV	54.00	-14.30	1.36 V	65	-5.20	44.90

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	43.80 PK	74.00	-30.20	1.24 H	14	15.00	28.80
1	2016.00	38.80 AV	54.00	-15.20	1.24 H	14	10.00	28.80
2	2390.00	41.90 PK	74.00	-32.10	1.45 H	318	8.10	33.80
2	2390.00	33.00 AV	54.00	-21.00	1.45 H	318	-0.80	33.80
3	*2437.00	98.90 PK	--	--	1.46 H	322	68.90	30.00
3	*2437.00	90.00 AV	--	--	1.46 H	322	60.00	30.00
4	2483.50	39.20 PK	74.00	-34.80	1.50 H	322	9.10	30.10
4	2483.50	30.40 AV	54.00	-23.60	1.50 H	322	0.30	30.10
5	2688.00	36.50 PK	74.00	-37.50	1.74 H	21	5.60	30.90
5	2688.00	32.90 AV	54.00	-21.10	1.74 H	21	2.10	30.90
6	4874.00	41.90 PK	74.00	-32.10	1.32 H	62	5.50	36.50
6	4874.00	33.50 AV	54.00	-20.50	1.32 H	62	-3.00	36.50
7	7311.00	53.70 PK	74.00	-20.30	1.54 H	7	11.90	41.80
7	7311.00	41.70 AV	54.00	-12.30	1.54 H	7	-0.10	41.80
8	9748.00	52.60 PK	74.00	-21.40	1.11 H	4	7.90	44.60
8	9748.00	40.80 AV	54.00	-13.20	1.11 H	4	-3.80	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	51.80 PK	74.00	-22.20	1.15 V	154	23.00	28.80
1	2016.00	49.90 AV	54.00	-4.10	1.15 V	154	21.10	28.80
2	2390.00	56.40 PK	74.00	-17.60	1.26 V	3	22.60	33.80
2	2390.00	46.40 AV	54.00	-7.60	1.26 V	3	12.60	33.80
3	*2437.00	115.30 PK	--	--	1.23 V	30	85.30	30.00
3	*2437.00	106.80 AV	--	--	1.23 V	30	76.80	30.00
4	2483.50	52.90 PK	74.00	-21.10	1.26 V	27	22.80	30.10
4	2483.50	43.80 AV	54.00	-10.20	1.26 V	27	13.70	30.10
5	2688.00	43.70 PK	74.00	-30.30	1.11 V	145	12.80	30.90
5	2688.00	39.70 AV	54.00	-14.30	1.11 V	145	8.80	30.90
6	4874.00	42.60 PK	74.00	-31.40	1.32 V	65	6.10	36.50
6	4874.00	34.60 AV	54.00	-19.40	1.32 V	65	-1.90	36.50
7	7311.00	48.50 PK	74.00	-25.50	1.02 V	24	6.80	41.80
7	7311.00	39.70 AV	54.00	-14.30	1.02 V	24	-2.10	41.80
8	9748.00	47.60 PK	74.00	-26.40	1.47 V	4	3.00	44.60
8	9748.00	39.30 AV	54.00	-14.70	1.47 V	4	-5.30	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	39.50 PK	74.00	-34.50	1.46 H	9	10.70	28.80
1	2016.00	35.80 AV	54.00	-18.20	1.46 H	9	7.00	28.80
2	*2462.00	95.10 PK	--	--	1.48 H	325	65.00	30.10
2	*2462.00	86.10 AV	--	--	1.48 H	325	56.00	30.10
3	2483.50	43.10 PK	74.00	-30.90	1.50 H	333	12.90	30.10
3	2483.50	33.20 AV	54.00	-20.80	1.50 H	333	3.10	30.10
4	2688.00	35.60 PK	74.00	-38.40	1.86 H	24	4.70	30.90
4	2688.00	30.60 AV	54.00	-23.40	1.86 H	24	-0.20	30.90
5	4924.00	42.60 PK	74.00	-31.40	1.54 H	21	5.90	36.70
5	4924.00	32.80 AV	54.00	-21.20	1.54 H	21	-3.90	36.70
6	7386.00	45.20 PK	74.00	-28.80	1.09 H	346	3.40	41.80
6	7386.00	36.50 AV	54.00	-17.50	1.09 H	346	-5.30	41.80
7	9848.00	48.70 PK	74.00	-25.30	1.55 H	2	4.30	44.40
7	9848.00	39.10 AV	54.00	-14.90	1.55 H	2	-5.30	44.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	49.90 PK	74.00	-24.10	1.06 V	7	21.10	28.80
1	2016.00	46.80 AV	54.00	-7.20	1.06 V	7	18.00	28.80
2	*2462.00	107.90 PK	--	--	1.21 V	28	77.80	30.10
2	*2462.00	98.90 AV	--	--	1.21 V	28	68.90	30.10
3	2483.50	55.20 PK	74.00	-18.80	1.28 V	30	25.10	30.10
3	2483.50	47.00 AV	54.00	-7.00	1.28 V	30	16.90	30.10
4	2688.00	41.70 PK	74.00	-32.30	1.54 V	245	10.80	30.90
4	2688.00	37.40 AV	54.00	-16.60	1.54 V	245	6.50	30.90
5	4924.00	42.10 PK	74.00	-31.90	1.65 V	24	5.40	36.70
5	4924.00	34.80 AV	54.00	-19.20	1.65 V	24	-1.90	36.70
6	7386.00	47.30 PK	74.00	-26.70	1.54 V	24	5.50	41.80
6	7386.00	37.90 AV	54.00	-16.10	1.54 V	24	-3.90	41.80
7	9848.00	49.70 PK	74.00	-24.30	1.82 V	2	5.30	44.40
7	9848.00	38.30 AV	54.00	-15.70	1.82 V	2	-6.10	44.40

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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	IEEE 802.11g Wireless Access Point	**MODEL**	DWL-3200AP
MODE	Turbo Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION & BANDWIDTH**	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 60%RH, 977 hPa	**TESTED BY**	Eric Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	38.80 PK	74.00	-35.20	1.57 H	4	10.00	28.80
1	2016.00	35.80 AV	54.00	-18.20	1.57 H	4	7.00	28.80
2	2390.00	35.20 PK	74.00	-38.80	1.08 H	2	1.40	33.80
2	2390.00	26.20 AV	54.00	-27.80	1.08 H	2	-7.60	33.80
3	*2437.00	95.00 PK	--	--	1.48 H	325	65.00	30.00
3	*2437.00	86.00 AV	--	--	1.48 H	325	56.00	30.00
4	2483.50	33.70 PK	74.00	-40.30	1.14 H	28	3.60	30.10
4	2483.50	24.10 AV	54.00	-29.90	1.14 H	28	-6.00	30.10
5	2688.00	35.50 PK	74.00	-38.50	1.47 H	4	4.60	30.90
5	2688.00	30.60 AV	54.00	-23.40	1.47 H	4	-0.30	30.90
6	4874.00	41.90 PK	74.00	-32.10	1.42 H	5	5.40	36.50
6	4874.00	33.00 AV	54.00	-21.00	1.42 H	5	-3.50	36.50
7	7311.00	48.00 PK	74.00	-26.00	1.47 H	4	6.20	41.80
7	7311.00	39.80 AV	54.00	-14.20	1.47 H	4	-2.00	41.80
8	9748.00	46.70 PK	74.00	-27.30	1.09 H	36	2.10	44.60
8	9748.00	38.90 AV	54.00	-15.10	1.09 H	36	-5.70	44.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2016.00	49.70 PK	74.00	-24.30	1.13 V	354	20.90	28.80
1	2016.00	46.80 AV	54.00	-7.20	1.13 V	354	18.00	28.80
2	2390.00	60.60 PK	74.00	-13.40	1.20 V	353	26.80	33.80
2	2390.00	50.70 AV	54.00	-3.30	1.20 V	353	16.90	33.80
3	*2437.00	110.00 PK	--	--	1.18 V	7	80.00	30.00
3	*2437.00	101.80 AV	--	--	1.18 V	7	71.80	30.00
4	2483.50	56.10 PK	74.00	-17.90	1.24 V	359	25.90	30.10
4	2483.50	47.10 AV	54.00	-6.90	1.24 V	359	17.00	30.10
5	2688.00	41.60 PK	74.00	-32.40	1.69 V	9	10.70	30.90
5	2688.00	36.50 AV	54.00	-17.50	1.69 V	9	5.60	30.90
6	4874.00	41.20 PK	74.00	-32.80	1.02 V	241	4.70	36.50
6	4874.00	34.60 AV	54.00	-19.40	1.02 V	241	-1.90	36.50
7	7311.00	51.60 PK	74.00	-22.40	1.36 V	6	9.80	41.80
7	7311.00	39.60 AV	54.00	-14.40	1.36 V	6	-2.20	41.80
8	9748.00	51.30 PK	74.00	-22.70	1.04 V	71	6.70	44.60
8	9748.00	38.60 AV	54.00	-15.40	1.04 V	71	-6.00	44.60

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (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

4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100036	Nov. 23, 2005

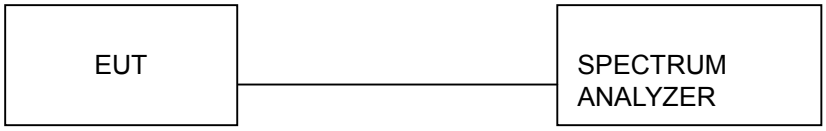
NOTE:

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.

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 kHz RBW and 100 kHz VBW. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

4.3.4 TEST SETUP



For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

4.3.5 EUT OPERATING CONDITIONS

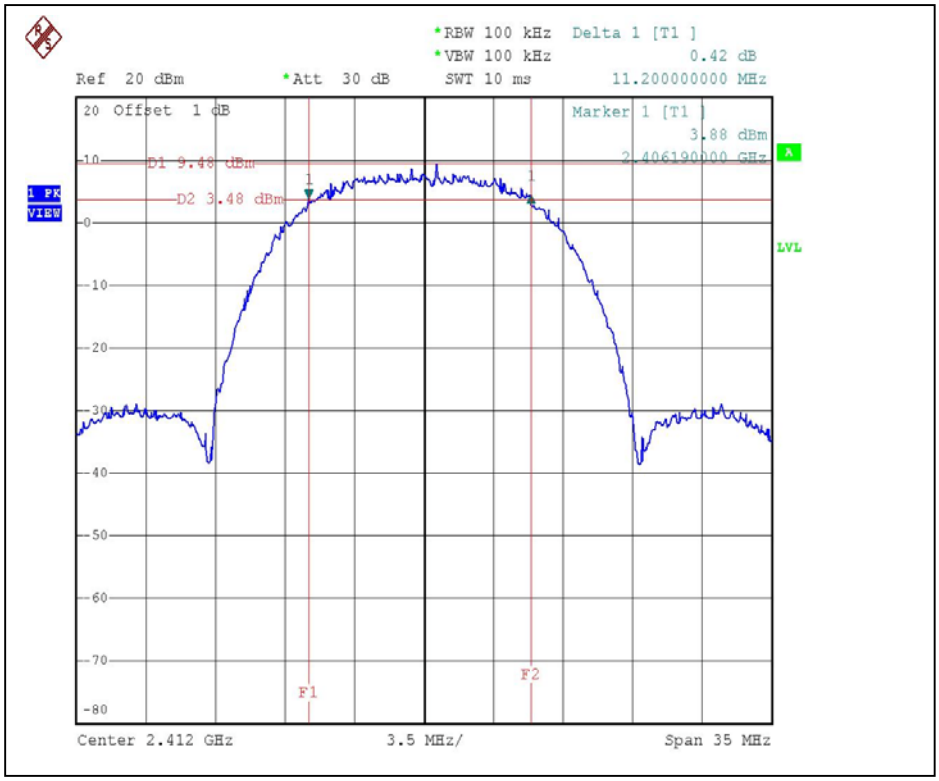
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.6 TEST RESULTS - DSSS

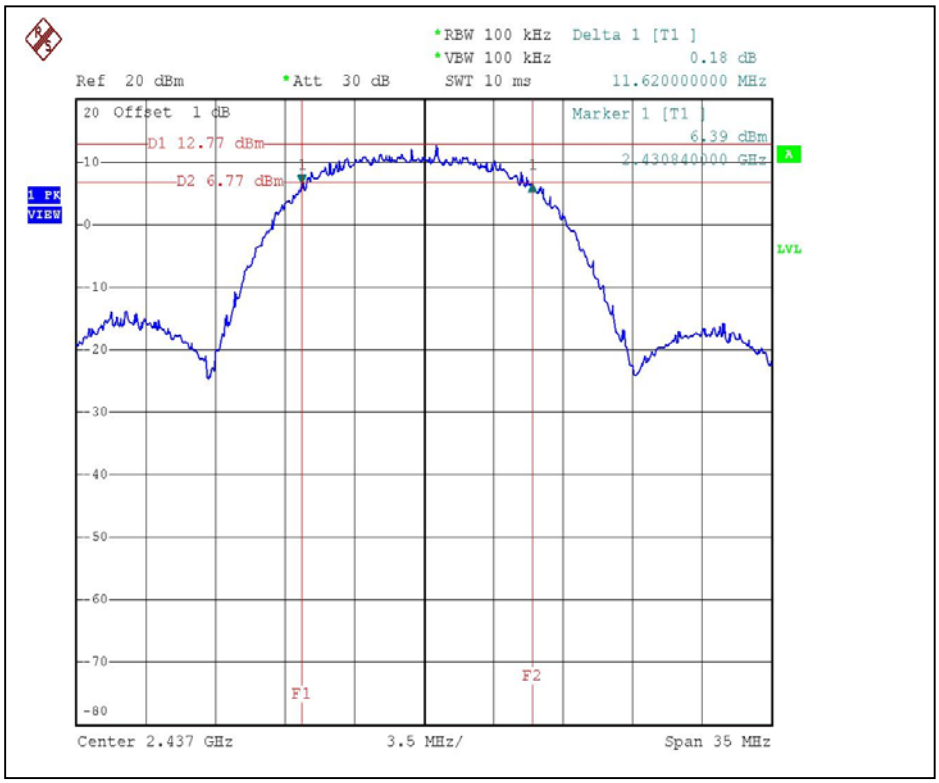
EUT	IEEE 802.11g Wireless Access Point		
MODEL	DWL-3200AP	**ENVIRONMENTAL CONDITIONS**	20 deg. C, 60%RH, 977 hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**TESTED BY**	Wen Yu

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	11.20	0.5	PASS
6	2437	11.62	0.5	PASS
11	2462	11.55	0.5	PASS

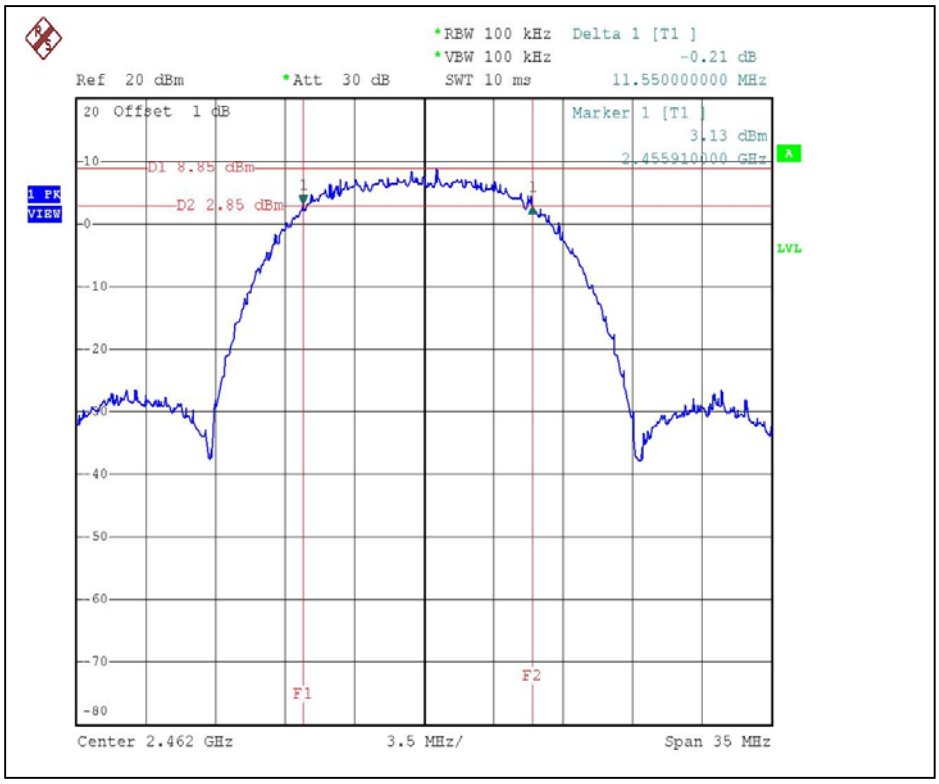
CH1


*RBW 100 kHz
*VBW 100 kHz
SWT 10 ms
Delta 1 [T1]
0.42 dB
11.200000000 MHz
Ref 20 dBm
*Att 30 dB
20 Offset 1 dB
Marker 1 [T1]
3.88 dBm
2.406190000 GHz
D1 9.48 dBm
D2 3.48 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.412 GHz
3.5 MHz/
Span 35 MHz

CH6


*RBW 100 kHz
*VBW 100 kHz
SWT 10 ms
Delta 1 [T1]
0.18 dB
11.620000000 MHz
Ref 20 dBm
*Att 30 dB
20 Offset 1 dB
Marker 1 [T1]
6.39 dBm
2.430840000 GHz
D1 12.77 dBm
D2 6.77 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.437 GHz
3.5 MHz/
Span 35 MHz

CH11

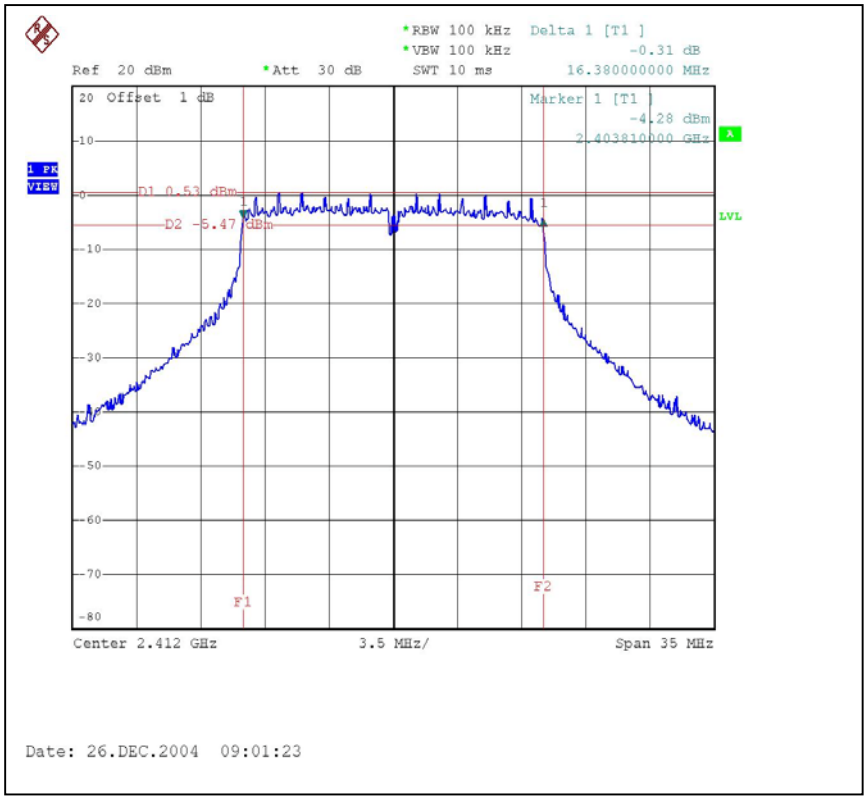

*RBW 100 kHz
*VBW 100 kHz
SWT 10 ms
Delta 1 [T1]
-0.21 dB
11.550000000 MHz
Ref 20 dBm
*Att 30 dB
20 Offset 1 dB
Marker 1 [T1]
3.13 dBm
2.455910000 GHz
D1 8.85 dBm
D2 2.85 dBm
1 PK
VIEW
LVL
F1
F2
Center 2.462 GHz
3.5 MHz/
Span 35 MHz

4.3.7 TEST RESULTS -OFDM

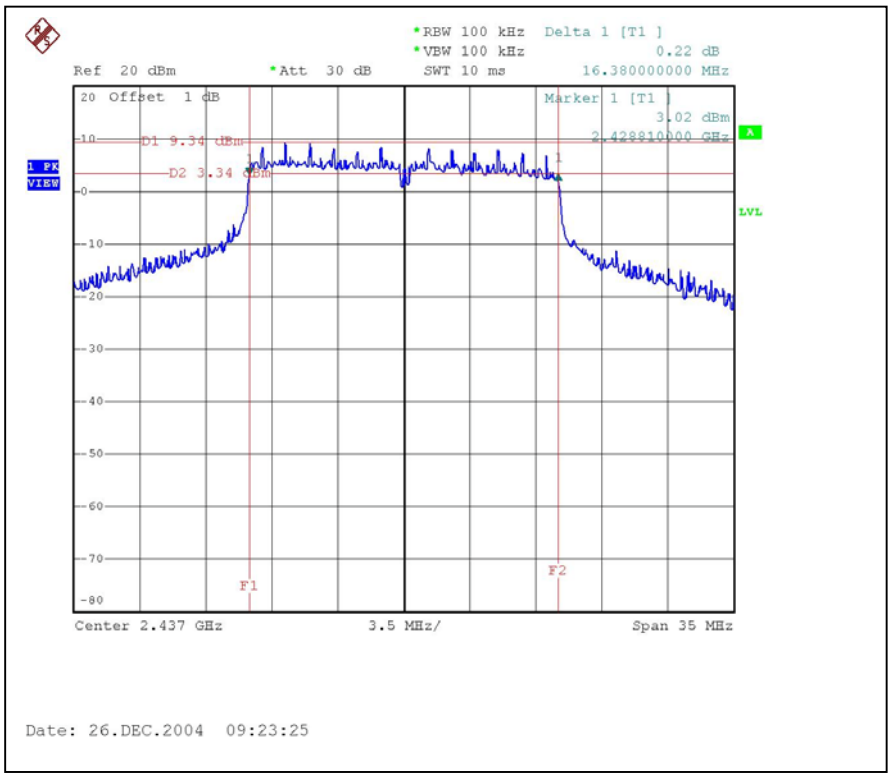
EUT	IEEE 802.11g Wireless Access Point		
MODEL	DWL-3200AP	**ENVIRONMENTAL CONDITIONS**	20 deg. C, 60%RH, 977 hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**TESTED BY**	Wen Yu

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	16.38	0.5	PASS
6	2437	16.38	0.5	PASS
11	2462	16.45	0.5	PASS
Turbo 6	2437	31.46	0.5	PASS

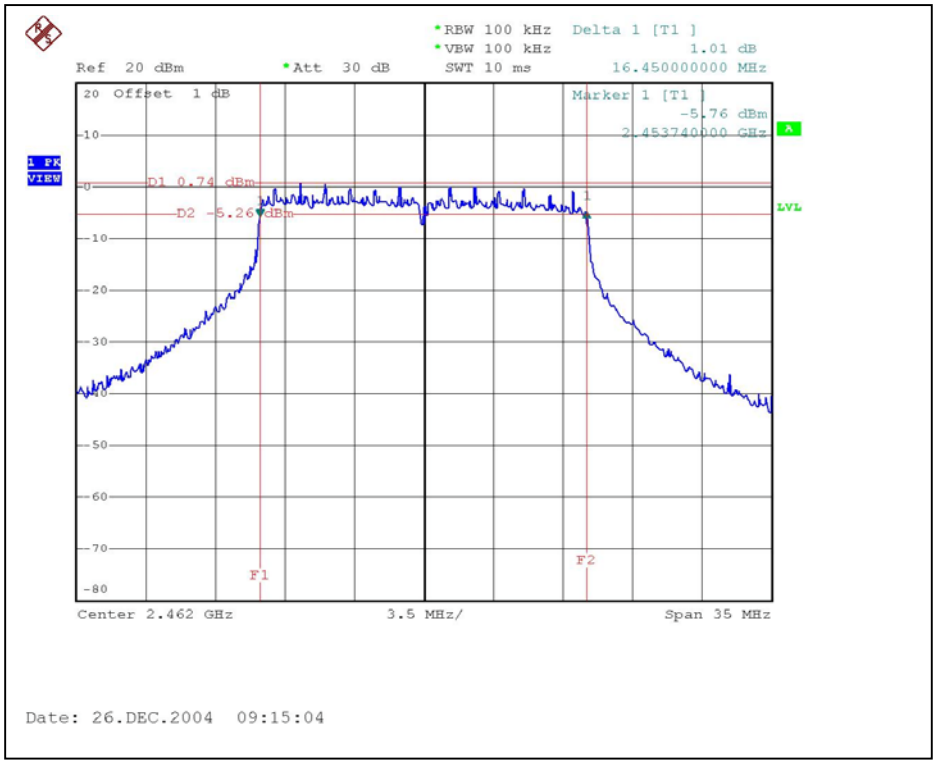
CH1


*RBW 100 kHz
*VBW 100 kHz
SWT 10 ms
Delta 1 [T1]
-0.31 dB
16.380000000 MHz
Ref 20 dBm
*Att 30 dB
20 Offset 1 dB
Marker 1 [T1]
-4.28 dBm
2.403810000 GHz
D1 0.53 dBm
D2 -5.47 dBm
F1
F2
Center 2.412 GHz
3.5 MHz/
Span 35 MHz
Date: 26.DEC.2004 09:01:23

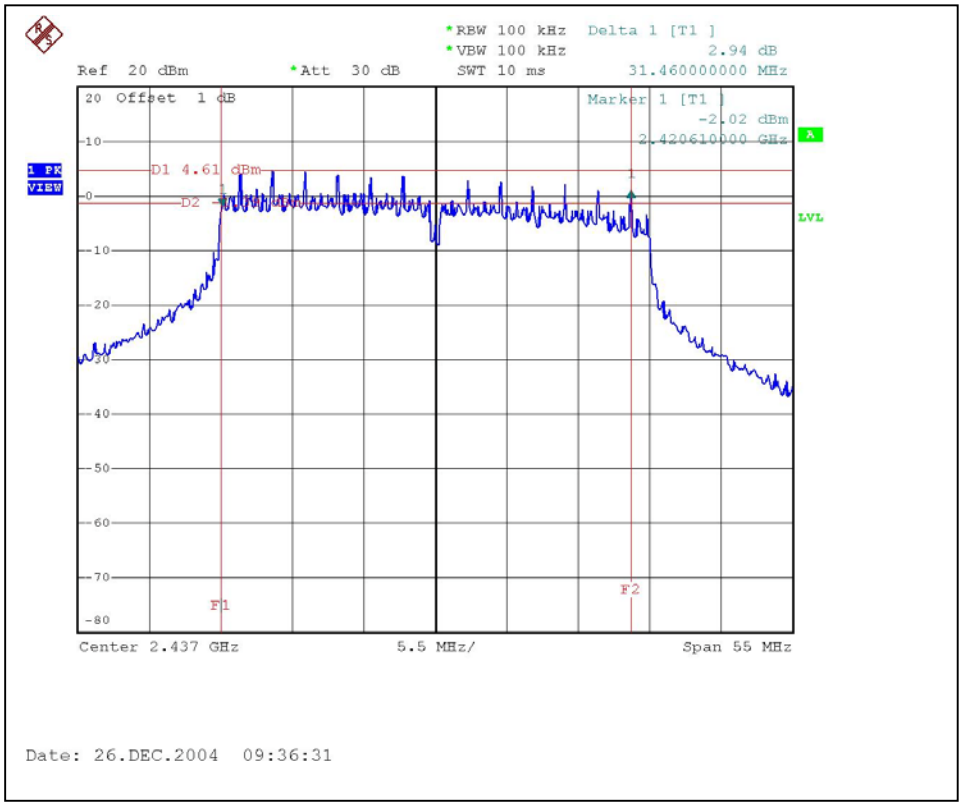
CH6


*RBW 100 kHz
*VBW 100 kHz
SWT 10 ms
Delta 1 [T1]
0.22 dB
16.380000000 MHz
Ref 20 dBm
*Att 30 dB
20 Offset 1 dB
Marker 1 [T1]
3.02 dBm
2.428810000 GHz
D1 9.34 dBm
D2 3.34 dBm
F1
F2
Center 2.437 GHz
3.5 MHz/
Span 35 MHz
Date: 26.DEC.2004 09:23:25

CH1


RBW 100 kHz
VBW 100 kHz
SWT 10 ms
Delta 1 [T1]
1.01 dB
16.450000000 MHz
Ref 20 dBm
Att 30 dB
20 Offset 1 dB
Marker 1 [T1]
-5.76 dBm
2.453740000 GHz
1 PK
VIEW
D1 0.74 dBm
D2 -5.26 dBm
LVL
F1
F2
Center 2.462 GHz
3.5 MHz/
Span 35 MHz
Date: 26.DEC.2004 09:15:04

CH6


RBW 100 kHz
VBW 100 kHz
SWT 10 ms
Delta 1 [T1]
2.94 dB
31.460000000 MHz
Ref 20 dBm
Att 30 dB
20 Offset 1 dB
Marker 1 [T1]
-2.02 dBm
2.420610000 GHz
1 PK
VIEW
D1 4.61 dBm
D2
LVL
F1
F2
Center 2.437 GHz
5.5 MHz/
Span 55 MHz
Date: 26.DEC.2004 09:36:31