

FCC TEST REPORT

REPORT NO.: RF950703H05

MODEL NO.: WRT300N V1.1

RECEIVED: July 04, 2006

TESTED: Jan. 21 to 31, 2007

ISSUED: Feb. 02, 2007

APPLICANT: Cisco-Linksys LLC

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No. 2177-01

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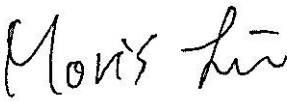
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1. CERTIFICATION

PRODUCT : Wireless-N Broadband Router
MODEL NO.: WRT300N V1.1
BRAND: Linksys
APPLICANT : Cisco-Linksys LLC
TESTED: Jan. 21 to 31, 2007
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS : FCC Part 15, Subpart C (Section 15.247),
ANSI C63.4-2003

The above equipment (Model: WRT300N V1.1) 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 :  , **DATE:** Feb. 02, 2007
(Midoli Peng)

TECHNICAL
ACCEPTANCE :  , **DATE:** Feb. 02, 2007
Responsible for RF (Moris Lin)

APPROVED BY :  , **DATE:** Feb. 02, 2007
(Hank Chung, Deputy Manager)

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC 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 -1.66dB at 0.193MHz.
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(d)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -0.30dB at 2483.50MHz & 2390.00MHz.
15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit.
15.247(d)	Band Edge Measurement Limit: 20dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.26 dB
Radiated emissions	30MHz ~ 1000MHz	2.98 dB
	1000MHz ~18000MHz	3.21 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless-N Broadband Router
MODEL NO.	WRT300N V1.1
FCC ID	Q87-WRT300NV11
POWER SUPPLY	DC 12V from power adapter
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11/ 5.5/ 2/ 1Mbps 802.11g: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6Mbps Draft 802.11n (20MHz): 130/117/104/78/65/58.5/52/39/26/19.5/13/6.5Mbps Draft 802.11n (40MHz): 270/ 243/ 216/ 162/135/121.5/108/81/54/40.5/27/13.5Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11 for 802.11b, 802.11g, draft 802.11n (20MHz) 7 for draft 802.11n (40MHz)
MAXIMUM OUTPUT POWER	802.11b: 79.433mW 802.11g: 125.152mW draft 802.11n (20MHz): 152.221mW draft 802.11n (40MHz): 120.640mW
ANTENNA TYPE	Please see note 1 (on next page)
DATA CABLE	NA
I/O PORTS	WAN Port x 1, LAN Port x 4

NOTE:

- There are three antennas provided to this EUT, please refer to the following table:

No.	Gain (dBi)	Antenna Type	Antenna Connector
1	2.0	Dipole	NA
2	2.0	Dipole	NA
3	1.8	PCB monopole	NA

- The EUT incorporates a MIMO function with 802.11b, 802.11g, draft 802.11n. Physically, the card provides two completed transmit and two receivers.

3. The EUT is 2 * 2 spatial MIMO without beam forming function. The antenna configuration are three transmitter antennas and three receiver antennas , as there are 2 dipole antennas and one PCB monopole antenna. Spatial multiplexing modes for simultaneous transmission using 2 antennas, and for simultaneous receiver using 2 antennas.
4. The EUT has one DDR clock (133MHz) and one DDR clock (150MHz), and it could be chosen and control by software.
5. When the EUT operating in draft 802.11n, the software operation, which is defined by manufacturer, MCS (Modulation and Coding Schemes) from 0 to 15.
6. The EUT complies with draft 802.11n standards and backwards compatible with 802.11b, 802.11g products.
7. The EUT operates in the 2.4GHz frequency spectrum with data rate up to 270Mbps.
8. The EUT must be supplied with a power adapter and following different models could be chosen:

Adapter 1:	
Brand:	Linksys
Model No.:	AD12V/1A-SW
Input power :	AC100V-240V, 0.5A, 60Hz cable length: 0.5m/unshielded/without core
Output power :	12VDC, 1A cable length:1.8m/unshielded/without core
Adapter 2:	
Brand:	Linksys
Model No.:	LS12V1A
Input power :	AC100V-240V, 0.5A, 60Hz cable length: 0.5m/unshielded/without core
Output power :	12VDC, 1A cable length:1.8m/unshielded/without core
Adapter 3:	
Brand:	Linksys
Model No.:	LS120V10AE
Input power :	AC100V-240V, 0.5A, 60Hz cable length: 0.5m/unshielded/without core
Output power :	12VDC, 1A cable length:1.8m/unshielded/without core

9. For conducted emission test, the EUT was pre-tested under following test mode, and the test data was recorded in this report:

Pre-test Mode	Description
Mode A	802.11b
Mode B	802.11g
Mode C	Draft 802.11n (20MHz)
Mode D	Draft 802.11n (40MHz)

The worst emission level was found in mode A, B & D. The final test was executed under test mode with highest emission and recorded in this report individually.

10. For radiated emission test (Below 1 GHz), the EUT was pre-tested under following test mode, and the test data was recorded in this report:

Pre-test Mode	Description
Mode A	802.11b
Mode B	802.11g
Mode C	Draft 802.11n (20MHz)
Mode D	Draft 802.11n (40MHz)

The worst emission level was found in mode A, B & C. The final test was executed under test mode with highest emission and recorded in this report individually.

11. The above EUT information was declared by 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 for 802.11b, 802.11g, draft 802.11n (20MHz):

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

Seven channels are provided for draft 802.11n (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2422MHz	5	2442MHz
2	2427MHz	6	2447MHz
3	2432MHz	7	2452MHz
4	2437MHz		

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

COMBINATION MODE:

COMBINATION MODE	OPERATION MODE	ANTENNA 1	ANTENNA 2	ANTENNA 3
A	802.11b	ü		
B			ü	
C	802.11g	ü	ü	
D			ü	ü
E		ü		ü
F	DRAFT 802.11n(20MHz)	ü	ü	
G			ü	ü
H		ü		ü
I	DRAFT 802.11n(40MHz)	ü	ü	
J			ü	ü
K		ü		ü

Note:

1. The above information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.
2. Antenna 1 and Antenna 2 are Dipole, Antenna 3 is PCB monopole.
3. From above mode, the different modes was chosen for pretest.
4. Mode A, C, E, F, H, I, K, the worst modes, was selected as representative mode for the report.

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	PLC	RE < 1G	RE ³ 1G	APCM	
-	√	√	√	√	-

Where **PLC:** Power Line Conducted Emission

RE < 1G: Radiated Emission below 1GHz

RE ³ 1G: Radiated Emission above 1GHz

APCM: Antenna Port Conducted Measurement

POWER LINE CONDUCTED EMISSION TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX COMBINATION
802.11b	1 to 11	1	DSSS	CCK	1	A
802.11g	1 to 11	1	OFDM	BPSK	6	C
Draft 802.11n (40MHz)	1 to 7	4	OFDM	BPSK	13.5	K

- ☒ The EUT was tested with the following modes:

Test Mode	Description
Mode 1	802.11b: with adapter 1
Mode 2	802.11b: with adapter 2
Mode 3	802.11b: with adapter 3
Mode 4	802.11g: with adapter 1
Mode 5	802.11g: with adapter 2
Mode 6	802.11g: with adapter 3
Mode 7	Draft 802.11n (40MHz): with adapter 1
Mode 8	Draft 802.11n (40MHz): with adapter 2
Mode 9	Draft 802.11n (40MHz): with adapter 3

RADIATED EMISSION TEST (BELOW 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX COMBINATION
802.11b	1 to 11	11	DSSS	CCK	1	A
802.11g	1 to 11	1	OFDM	BPSK	6	C
Draft 802.11n (20MHz)	1 to 11	1	OFDM	BPSK	6.5	H

- ☒ The EUT was pre-tested with the following modes:

Test Mode	Description
Mode A	Adapter 1
Mode B	Adapter 2
Mode C	Adapter 3

The worst was found in Mode B, the worst cases, were chosen for final test

- ☒ The EUT was tested with the following modes:

Test Mode	Description	Remark
Mode 1	802.11b: with adapter 2	DDR clock 133MHz
Mode 2	802.11g: with adapter 2	DDR clock 133MHz
Mode 3	Draft 802.11n (20MHz): with adapter 2	DDR clock 133MHz
Mode 4	802.11b: with adapter 2	DDR clock 150MHz
Mode 5	802.11g: with adapter 2	DDR clock 150MHz
Mode 6	Draft 802.11n (20MHz): with adapter 2	DDR clock 150MHz

RADIATED EMISSION TEST (ABOVE 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX COMBINATION
802.11b	1 to 11	1, 6, 11	DSSS	CCK	1	A
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	C
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	E
Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	F
Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	H
Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5	I
Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5	K

- ☒ The EUT was pre-tested with the following modes:

Test Mode	Description
Mode A	Adapter 1
Mode B	Adapter 2
Mode C	Adapter 3

The worst was found in Mode B, the worst cases, were chosen for final test

BANDEDGE MEASUREMENT:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX COMBINATION
802.11b	1 to 11	1, 6, 11	DSSS	CCK	1	A
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	C
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	E
Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	F
Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	H
Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5	I
Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5	K

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX COMBINATION
802.11b	1 to 11	1, 6, 11	DSSS	CCK	1	A
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	C
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	E
Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	F
Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5	H
Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5	I
Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5	K

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C. (15.247)

ANSI C63.4-2003

All test items 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 FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

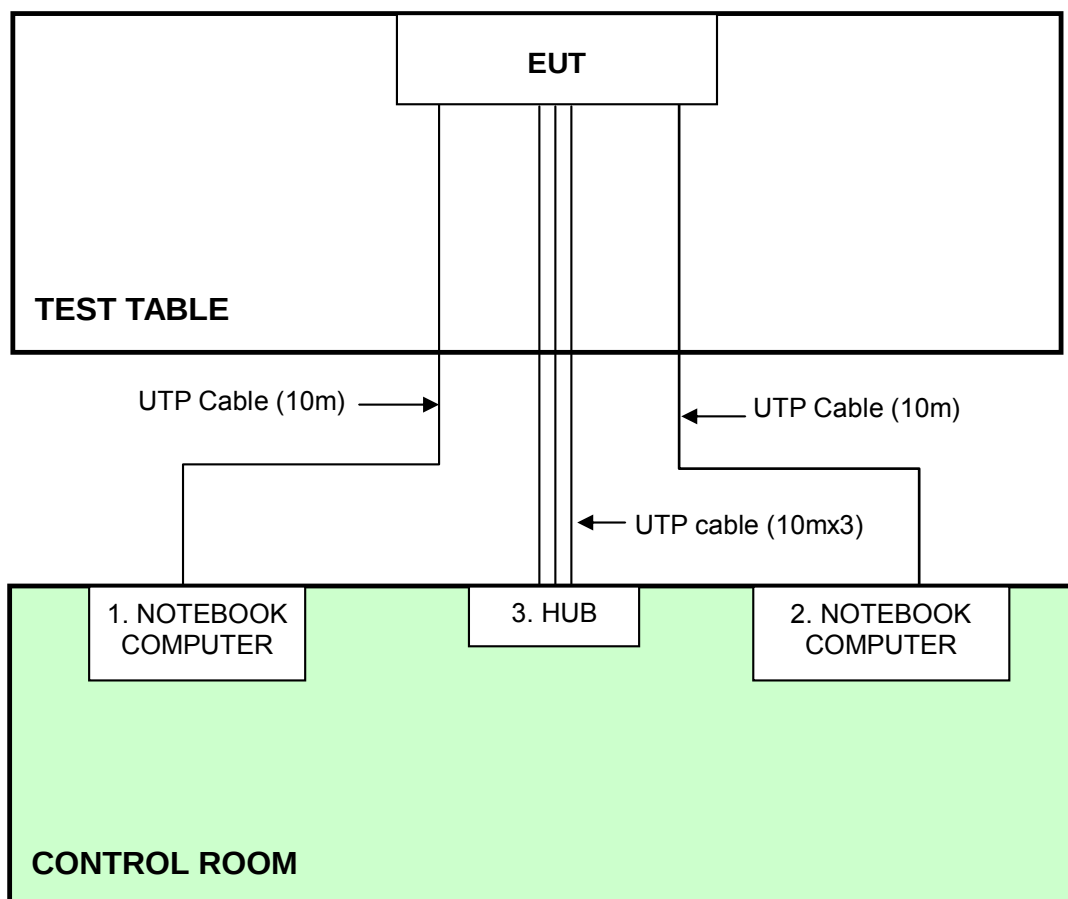
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK COMPUTER	Dell	PP01L	TW-09c748-12800-165-3171	DoC
2	NOTEBOOK COMPUTER	DELL	PP19L	CN-OHC416-7016 6-5CA-0448	PIW632500516610
3	Switch HUB	AVSYS	110H8	01-20E-000002	DoC

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

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

3.5 CONFIGURATION OF SYSTEM UNDER TEST



NOTE: 1. Support unit 1-3 were 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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

- NOTE:**
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver	ESCS 30	847124/029	Dec. 15, 2007
Line-Impedance Stabilization Network(for EUT)	ENV-216	100071	Nov. 26, 2007
Line-Impedance Stabilization Network(for Peripheral)	KNW-407	8/1395/12	Aug. 15, 2007
RF Cable (JETBAO)	RG233/U	Cable_CB_01	Dec. 09, 2007
Terminator	50	2	Oct. 30, 2007
Software	ADT_Cond_V7.3.2	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. B.
 3. The VCCI Con B Registration No. is C-2193.

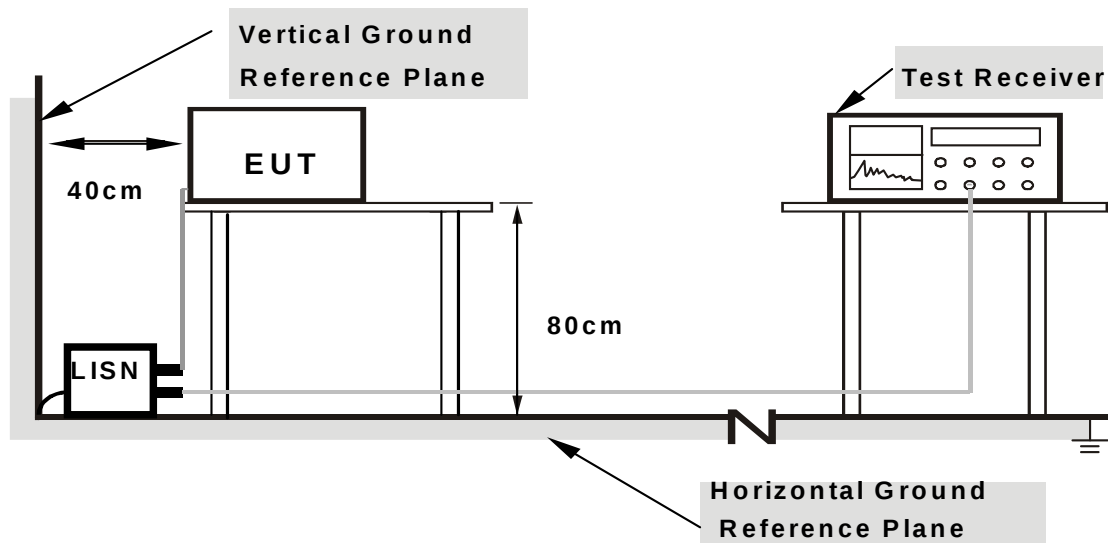
4.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT 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 were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

4.1.6 EUT OPERATING CONDITIONS

- a. Placed the EUT on testing table.
- b. Prepared other computer systems (support unit 1 ~ 3) to act as communication partners and placed them outside of testing area.
- c. The communication partners run test program “MFGTest ” to enable EUT under transmission/receiving condition continuously at specific channel frequency via UTP cable.

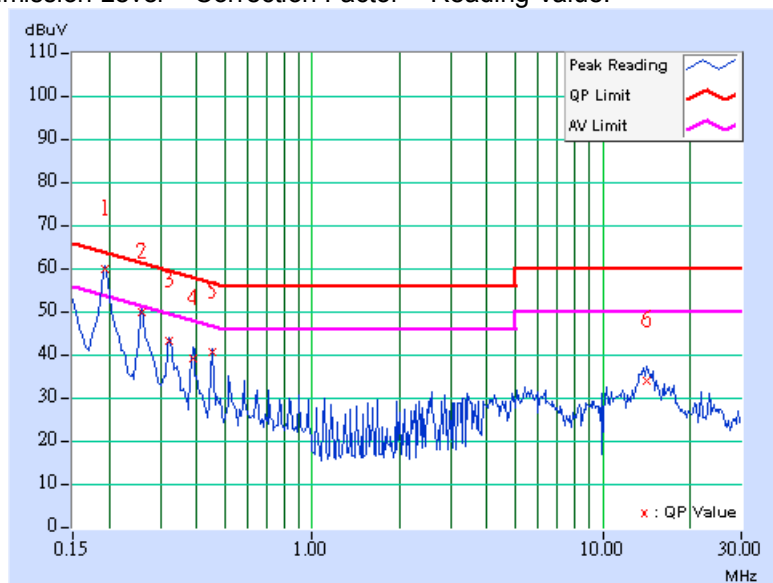
4.1.7 TEST RESULTS

802.11b DSSS MODULATION: (MODE 1)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line (L)
MODULATION TYPE	CCK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	1Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	49.97	41.96	59.57	51.56	63.91	53.91	-4.34	-2.35
2	0.259	9.60	39.85	-	49.45	-	61.45	51.45	-12.00	-
3	0.322	9.60	33.10	-	42.70	-	59.66	49.66	-16.96	-
4	0.388	9.60	29.37	-	38.97	-	58.10	48.10	-19.13	-
5	0.451	9.60	30.58	-	40.18	-	56.86	46.86	-16.68	-
6	14.148	10.07	23.85	-	33.92	-	60.00	50.00	-26.08	-

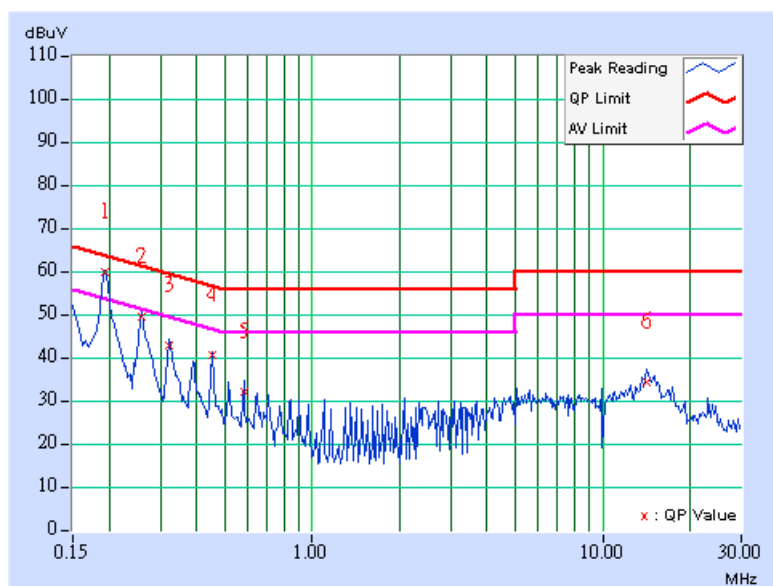
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Neutral (N)
MODULATION TYPE	CCK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	1Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	49.87	41.81	59.47	51.41	63.91	53.91	-4.44	-2.50
2	0.259	9.60	39.81	-	49.41	-	61.45	51.45	-12.04	-
3	0.322	9.60	33.16	-	42.76	-	59.66	49.66	-16.90	-
4	0.451	9.60	30.70	-	40.30	-	56.86	46.86	-16.56	-
5	0.584	9.60	22.22	-	31.82	-	56.00	46.00	-24.18	-
6	14.148	9.98	24.37	-	34.35	-	60.00	50.00	-25.65	-

- 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.

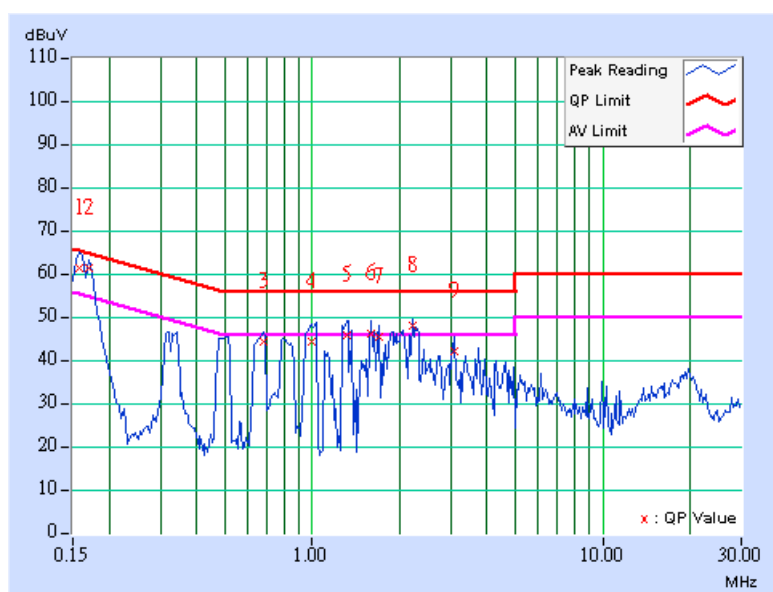


802.11b DSSS MODULATION: (MODE 2)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line (L)
MODULATION TYPE	CCK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	1Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	9.60	51.74	36.59	61.34	46.19	65.58	55.58	-4.24	-9.39
2	0.170	9.60	51.88	42.15	61.48	51.75	64.98	54.98	-3.50	-3.23
3	0.681	9.60	34.80	-	44.40	-	56.00	46.00	-11.60	-
4	0.998	9.60	34.59	-	44.19	-	56.00	46.00	-11.81	-
5	1.313	9.63	36.21	-	45.84	-	56.00	46.00	-10.16	-
6	1.594	9.66	36.47	18.64	46.13	28.30	56.00	46.00	-9.87	-17.70
7	1.703	9.67	35.82	-	45.49	-	56.00	46.00	-10.51	-
8	2.219	9.70	38.49	24.87	48.19	34.57	56.00	46.00	-7.81	-11.43
9	3.078	9.70	32.61	-	42.31	-	56.00	46.00	-13.69	-

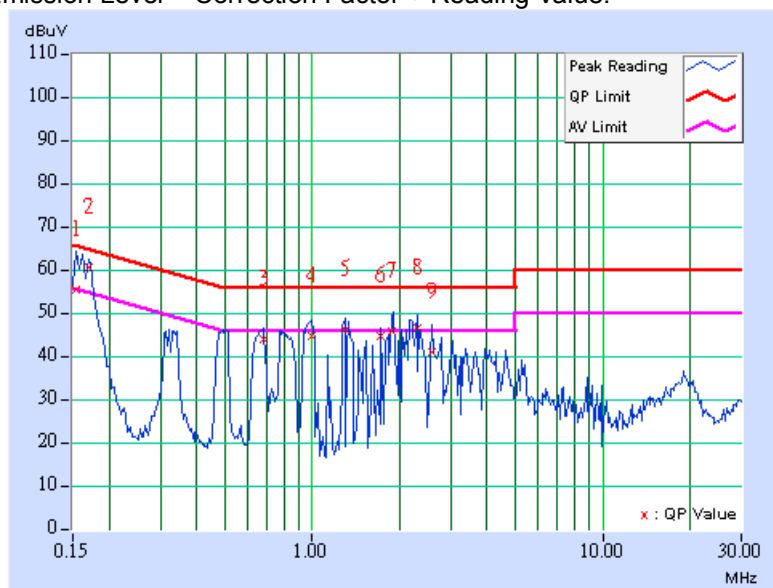
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Neutral (N)
MODULATION TYPE	CCK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	1Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	9.60	46.03	-	55.63	-	65.79	55.79	-10.16	-
2	0.170	9.60	50.97	42.03	60.57	51.63	64.98	54.98	-4.41	-3.35
3	0.677	9.60	34.27	-	43.87	-	56.00	46.00	-12.13	-
4	0.998	9.60	35.28	-	44.88	-	56.00	46.00	-11.12	-
5	1.293	9.63	36.61	19.89	46.24	29.52	56.00	46.00	-9.76	-16.48
6	1.719	9.67	35.25	-	44.92	-	56.00	46.00	-11.08	-
7	1.879	9.69	36.14	-	45.83	-	56.00	46.00	-10.17	-
8	2.293	9.70	36.89	19.11	46.59	28.81	56.00	46.00	-9.41	-17.19
9	2.578	9.70	31.28	-	40.98	-	56.00	46.00	-15.02	-

- 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.

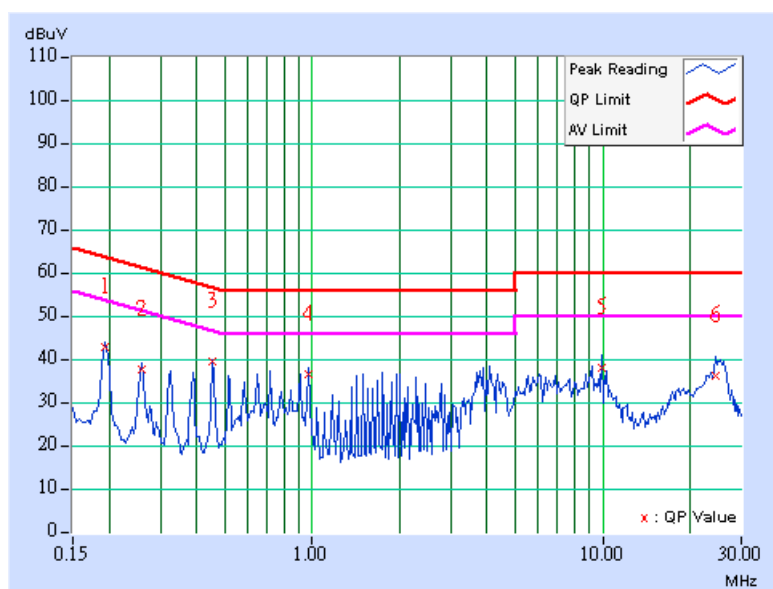


802.11b DSSS MODULATION: (MODE 3)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line (L)
MODULATION TYPE	CCK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	1Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	33.03	-	42.63	-	63.91	53.91	-21.28	-
2	0.259	9.60	27.67	-	37.27	-	61.45	51.45	-24.18	-
3	0.455	9.60	29.58	-	39.18	-	56.79	46.79	-17.61	-
4	0.974	9.60	26.71	-	36.31	-	56.00	46.00	-19.69	-
5	9.941	9.90	28.12	-	38.02	-	60.00	50.00	-21.98	-
6	24.535	10.10	26.22	-	36.32	-	60.00	50.00	-23.68	-

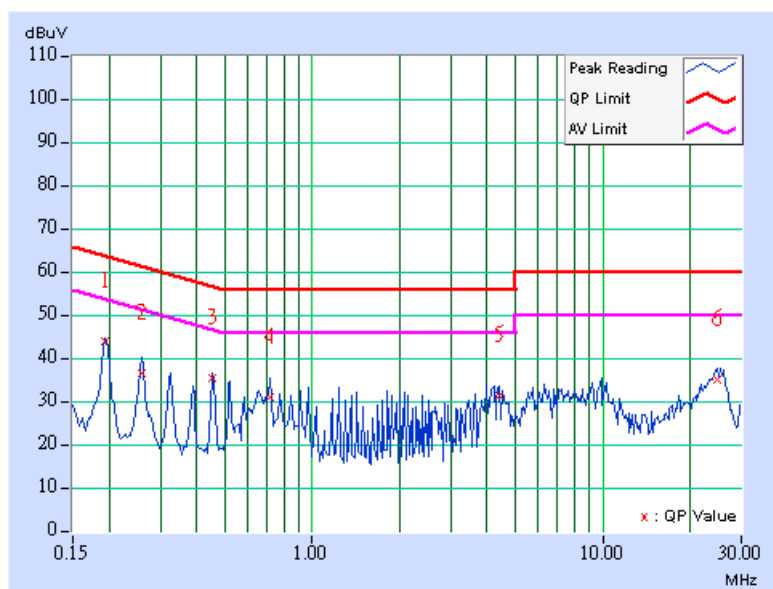
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Neutral (N)
MODULATION TYPE	CCK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	1Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	34.07	-	43.67	-	63.91	53.91	-20.24	-
2	0.259	9.60	26.50	-	36.10	-	61.45	51.45	-25.35	-
3	0.455	9.60	25.28	-	34.88	-	56.79	46.79	-21.91	-
4	0.716	9.60	21.05	-	30.65	-	56.00	46.00	-25.35	-
5	4.410	9.71	21.37	-	31.08	-	56.00	46.00	-24.92	-
6	24.855	10.10	25.15	-	35.25	-	60.00	50.00	-24.75	-

- 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.

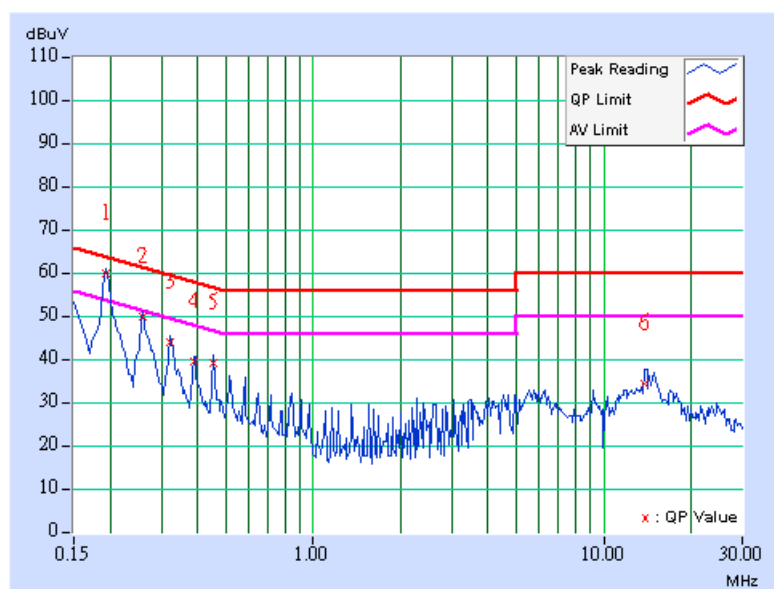


802.11g OFDM MODULATION: (MODE 4)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line (L)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	50.09	42.16	59.69	51.76	63.91	53.91	-4.22	-2.15
2	0.259	9.60	39.96	-	49.56	-	61.45	51.45	-11.89	-
3	0.322	9.60	33.88	-	43.48	-	59.66	49.66	-16.18	-
4	0.388	9.60	29.47	-	39.07	-	58.10	48.10	-19.03	-
5	0.451	9.60	29.33	-	38.93	-	56.86	46.86	-17.93	-
6	13.902	10.06	24.26	-	34.32	-	60.00	50.00	-25.68	-

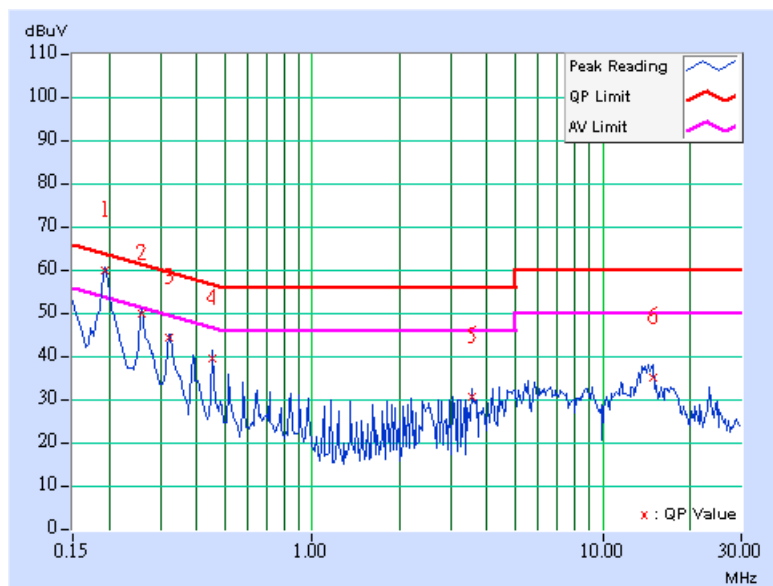
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Neutral (N)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	50.11	42.10	59.71	51.70	63.91	53.91	-4.20	-2.21
2	0.259	9.60	39.93	-	49.53	-	61.45	51.45	-11.92	-
3	0.322	9.60	34.40	-	44.00	-	59.66	49.66	-15.66	-
4	0.451	9.60	29.60	-	39.20	-	56.86	46.86	-17.66	-
5	3.555	9.70	20.77	-	30.47	-	56.00	46.00	-25.53	-
6	14.938	10.00	25.25	-	35.25	-	60.00	50.00	-24.75	-

- 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.

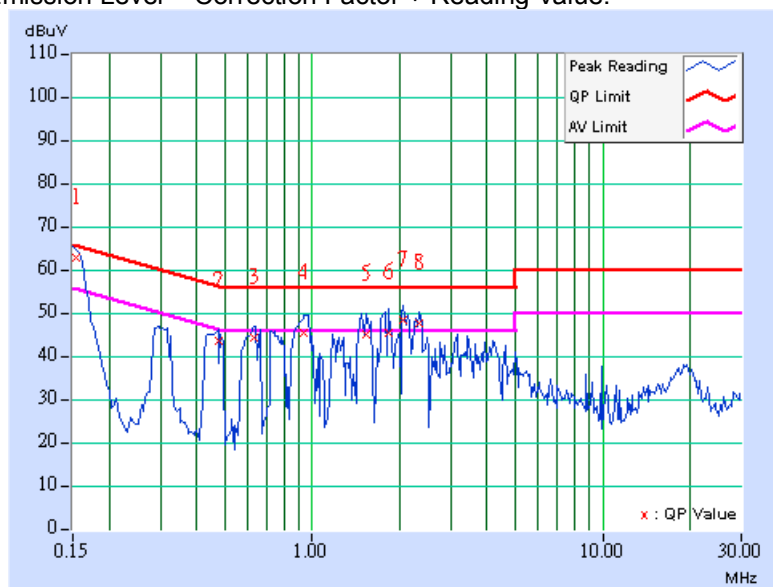


802.11g OFDM MODULATION: (MODE 5)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line (L)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	9.60	53.24	43.66	62.84	53.26	65.79	55.79	-2.95	-2.53
2	0.474	9.60	34.08	-	43.68	-	56.44	46.44	-12.76	-
3	0.630	9.60	34.65	-	44.25	-	56.00	46.00	-11.75	-
4	0.939	9.60	35.96	-	45.56	-	56.00	46.00	-10.44	-
5	1.539	9.65	35.58	-	45.23	-	56.00	46.00	-10.77	-
6	1.828	9.68	35.76	-	45.44	-	56.00	46.00	-10.56	-
7	2.066	9.70	38.76	25.19	48.46	34.89	56.00	46.00	-7.54	-11.11
8	2.336	9.70	38.12	22.49	47.82	32.19	56.00	46.00	-8.18	-13.81

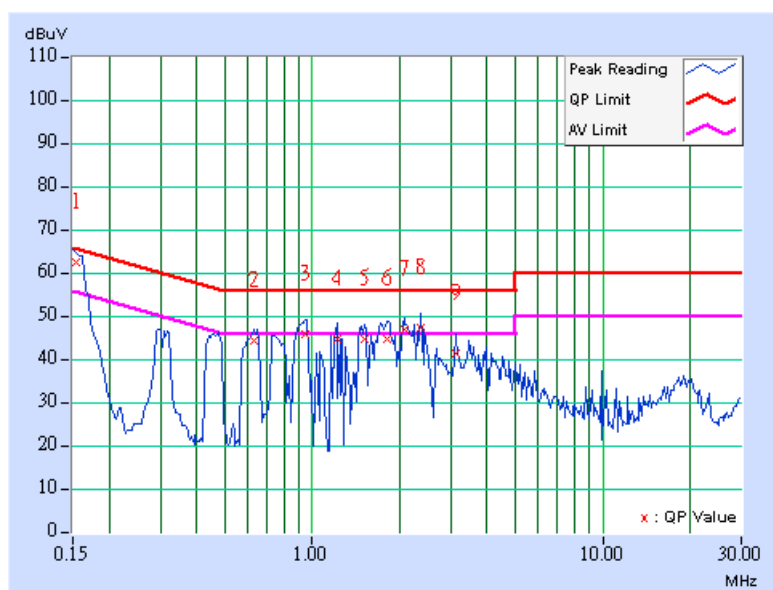
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Neutral (N)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	9.60	53.00	43.83	62.60	53.43	65.79	55.79	-3.19	-2.36
2	0.634	9.60	34.61	-	44.21	-	56.00	46.00	-11.79	-
3	0.943	9.60	36.32	-	45.92	-	56.00	46.00	-10.08	-
4	1.215	9.62	35.06	-	44.68	-	56.00	46.00	-11.32	-
5	1.520	9.65	35.08	-	44.73	-	56.00	46.00	-11.27	-
6	1.820	9.68	35.24	-	44.92	-	56.00	46.00	-11.08	-
7	2.078	9.70	37.41	21.46	47.11	31.16	56.00	46.00	-8.89	-14.84
8	2.371	9.70	37.54	23.82	47.24	33.52	56.00	46.00	-8.76	-12.48
9	3.109	9.70	31.96	-	41.66	-	56.00	46.00	-14.34	-

- 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.

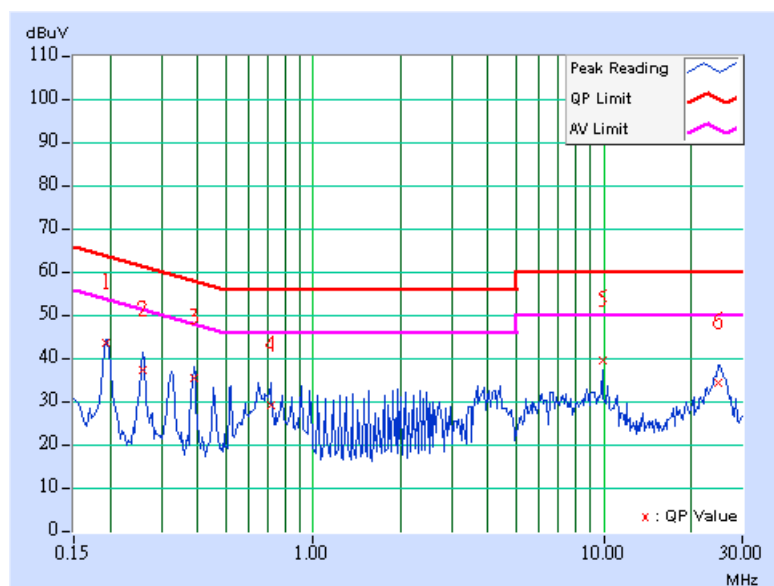


802.11g OFDM MODULATION: (MODE 6)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line (L)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	33.75	-	43.35	-	63.91	53.91	-20.56	-
2	0.259	9.60	27.49	-	37.09	-	61.45	51.45	-24.36	-
3	0.388	9.60	25.31	-	34.91	-	58.10	48.10	-23.19	-
4	0.713	9.60	19.28	-	28.88	-	56.00	46.00	-27.12	-
5	9.934	9.90	29.67	-	39.57	-	60.00	50.00	-20.43	-
6	24.926	10.10	24.45	-	34.55	-	60.00	50.00	-25.45	-

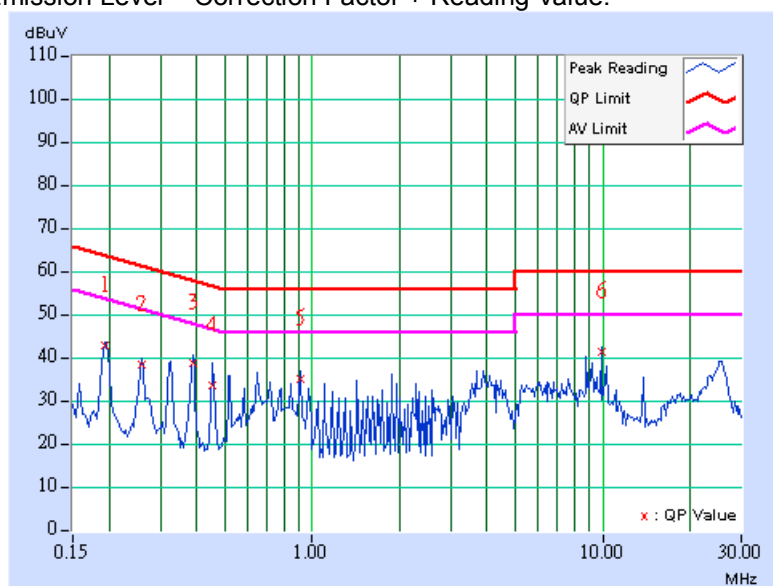
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Neutral (N)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	32.89	-	42.49	-	63.91	53.91	-21.42	-
2	0.259	9.60	28.62	-	38.22	-	61.45	51.45	-23.23	-
3	0.388	9.60	28.82	-	38.42	-	58.10	48.10	-19.68	-
4	0.455	9.60	23.78	-	33.38	-	56.79	46.79	-23.41	-
5	0.908	9.60	25.23	-	34.83	-	56.00	46.00	-21.17	-
6	9.934	9.90	31.69	-	41.59	-	60.00	50.00	-18.41	-

- 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.

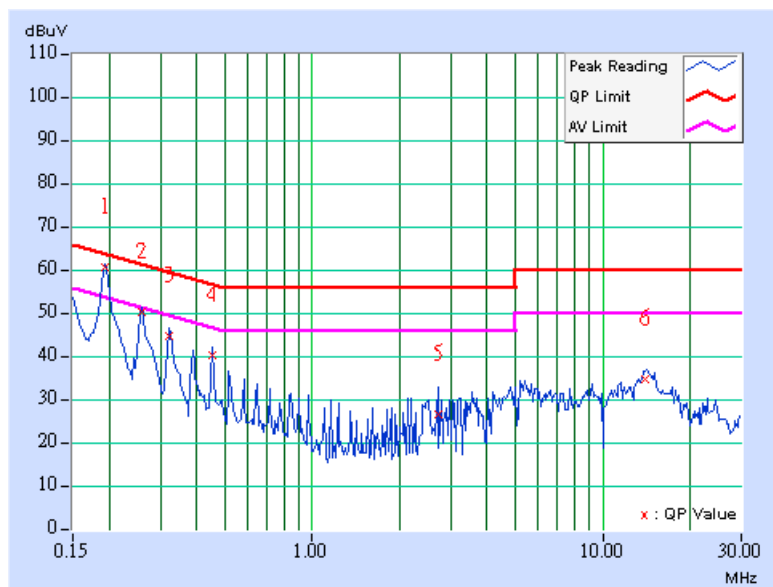


DRAFT 802.11n (40MHz) OFDM MODULATION: (MODE 7)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line (L)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	13.5Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	50.68	42.65	60.28	52.25	63.91	53.91	-3.63	-1.66
2	0.259	9.60	40.49	-	50.09	-	61.45	51.45	-11.36	-
3	0.322	9.60	34.86	-	44.46	-	59.66	49.66	-15.20	-
4	0.451	9.60	30.18	-	39.78	-	56.86	46.86	-17.08	-
5	2.711	9.70	16.63	-	26.33	-	56.00	46.00	-29.67	-
6	14.027	10.06	24.68	-	34.74	-	60.00	50.00	-25.26	-

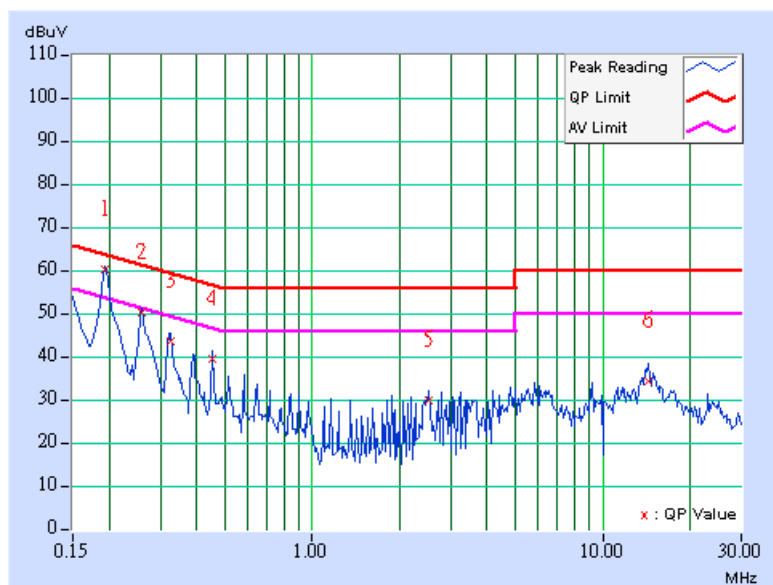
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Neutral (N)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	13.5Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	50.46	42.44	60.06	52.04	63.91	53.91	-3.85	-1.87
2	0.259	9.60	40.25	-	49.85	-	61.45	51.45	-11.60	-
3	0.326	9.60	33.60	-	43.20	-	59.56	49.56	-16.36	-
4	0.451	9.60	29.64	-	39.24	-	56.86	46.86	-17.62	-
5	2.523	9.70	19.90	-	29.60	-	56.00	46.00	-26.40	-
6	14.355	9.99	24.62	-	34.61	-	60.00	50.00	-25.39	-

- 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.

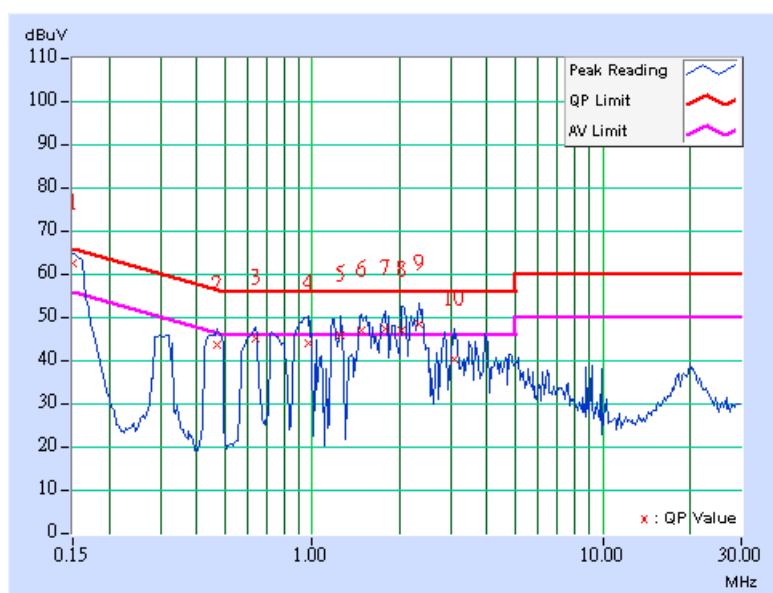


DRAFT 802.11n (40MHz) OFDM MODULATION: (MODE 8)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line (L)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	13.5Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	9.60	52.73	42.04	62.33	51.64	66.00	56.00	-3.67	-4.36
2	0.470	9.60	33.98	-	43.58	-	56.51	46.51	-12.93	-
3	0.638	9.60	35.65	-	45.25	-	56.00	46.00	-10.75	-
4	0.970	9.60	34.41	-	44.01	-	56.00	46.00	-11.99	-
5	1.250	9.63	36.12	-	45.75	-	56.00	46.00	-10.25	-
6	1.480	9.65	37.34	19.41	46.99	29.06	56.00	46.00	-9.01	-16.94
7	1.777	9.68	37.87	21.21	47.55	30.89	56.00	46.00	-8.45	-15.11
8	2.031	9.70	37.22	21.57	46.92	31.27	56.00	46.00	-9.08	-14.73
9	2.340	9.70	38.64	23.01	48.34	32.71	56.00	46.00	-7.66	-13.29
10	3.070	9.70	30.62	-	40.32	-	56.00	46.00	-15.68	-

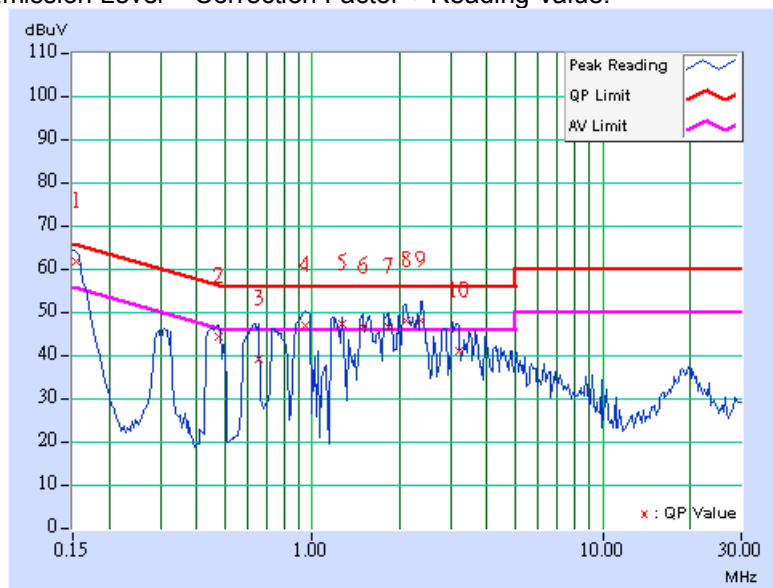
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Neutral (N)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	13.5Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	9.60	52.32	43.68	61.92	53.28	65.78	55.78	-3.86	-2.50
2	0.474	9.60	34.61	-	44.21	-	56.44	46.44	-12.23	-
3	0.654	9.60	29.72	-	39.32	-	56.00	46.00	-16.68	-
4	0.951	9.60	37.31	22.46	46.91	32.06	56.00	46.00	-9.09	-13.94
5	1.270	9.63	37.67	21.39	47.30	31.02	56.00	46.00	-8.70	-14.98
6	1.488	9.65	37.12	19.56	46.77	29.21	56.00	46.00	-9.23	-16.79
7	1.824	9.68	36.80	19.68	46.48	29.36	56.00	46.00	-9.52	-16.64
8	2.098	9.70	38.49	22.21	48.19	31.91	56.00	46.00	-7.81	-14.09
9	2.359	9.70	38.40	23.78	48.10	33.48	56.00	46.00	-7.90	-12.52
10	3.195	9.70	31.36	-	41.06	-	56.00	46.00	-14.94	-

- 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.

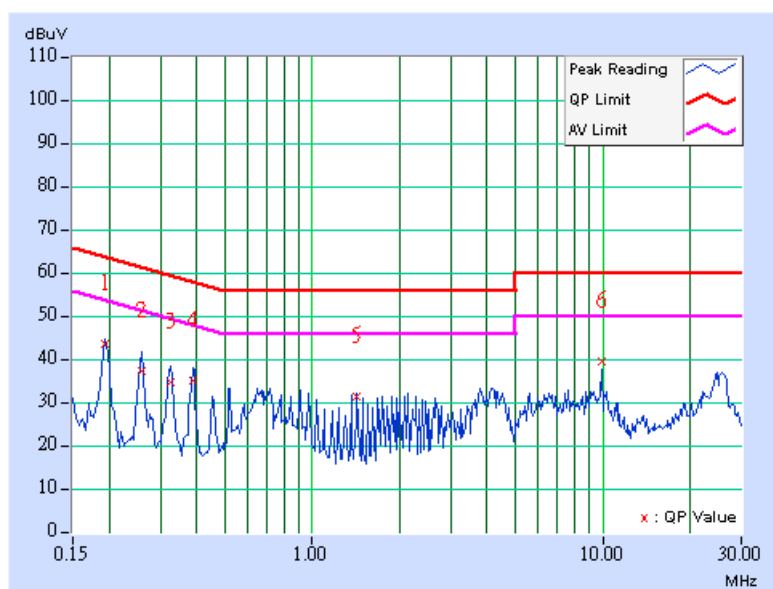


DRAFT 802.11n (40MHz) OFDM MODULATION: (MODE 9)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line (L)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	13.5Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	33.89	-	43.49	-	63.91	53.91	-20.42	-
2	0.259	9.60	27.45	-	37.05	-	61.45	51.45	-24.40	-
3	0.326	9.60	25.06	-	34.66	-	59.56	49.56	-24.90	-
4	0.388	9.60	25.17	-	34.77	-	58.10	48.10	-23.33	-
5	1.430	9.64	21.70	-	31.34	-	56.00	46.00	-24.66	-
6	9.934	9.90	29.55	-	39.45	-	60.00	50.00	-20.55	-

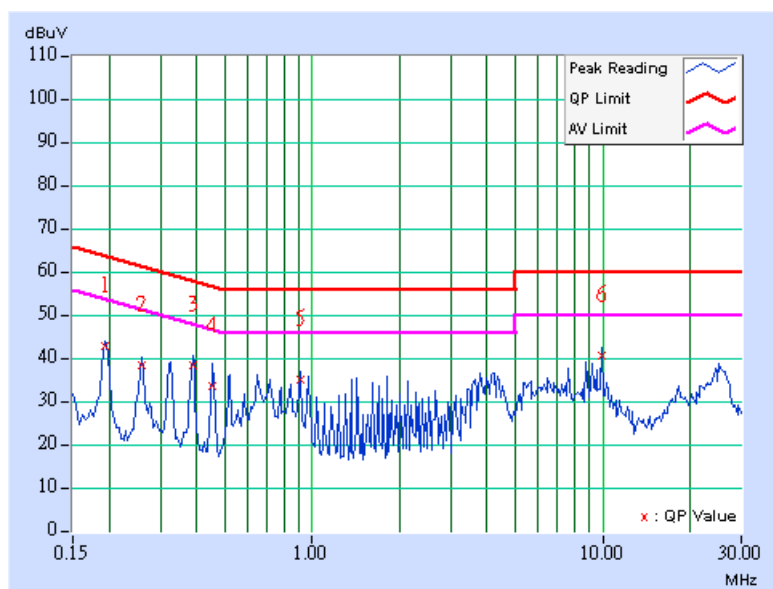
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Neutral (N)
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	13.5Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	9.60	32.95	-	42.55	-	63.91	53.91	-21.36	-
2	0.259	9.60	28.46	-	38.06	-	61.45	51.45	-23.39	-
3	0.388	9.60	28.72	-	38.32	-	58.10	48.10	-19.78	-
4	0.455	9.60	23.76	-	33.36	-	56.79	46.79	-23.43	-
5	0.908	9.60	25.33	-	34.93	-	56.00	46.00	-21.07	-
6	9.938	9.90	30.83	-	40.73	-	60.00	50.00	-19.27	-

- 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

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
ADVANTEST Spectrum Analyzer	R3271A	85060311	July 03, 2007
HP Pre_Amplifier	8449B	3008A01922	Sep. 18, 2007
ROHDE & SCHWARZ Test Receiver	ESCS30	100375	Sep. 20, 2007
CHASE Broadband Antenna	VULB 9168	138	Dec. 11, 2007
Schwarzbeck Horn_Antenna	BBHA9120	D124	Jan. 01, 2008
Schwarzbeck Horn_Antenna	BBHA 9170	BBHA9170153	Jan. 05, 2008
SCHWARZBECK Biconical Antenna	VHBA9123	459	Jun. 08, 2009
SCHWARZBECK Periodic Antenna	UPA6108	1148	Jun. 08, 2009
RF Switches (ARNITSU)	CS-201	1565157	NA
RF CABLE (Chaintek)	SF102	22054-2	Nov. 14, 2007
RF Cable(RICHTEC)	9913-30M N-N Cable	STCCAB-30M-1 GHz	Jul. 15, 2007
Software	ADT_Radiated_V 5.14	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 Biconical and Periodic Antenna) and the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna, HP preamplifier (model: 8449B) and Spectrum Analyzer (model: R3271A) 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 4824A-3.

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 3 meters semi-anechoic chamber. 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 lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

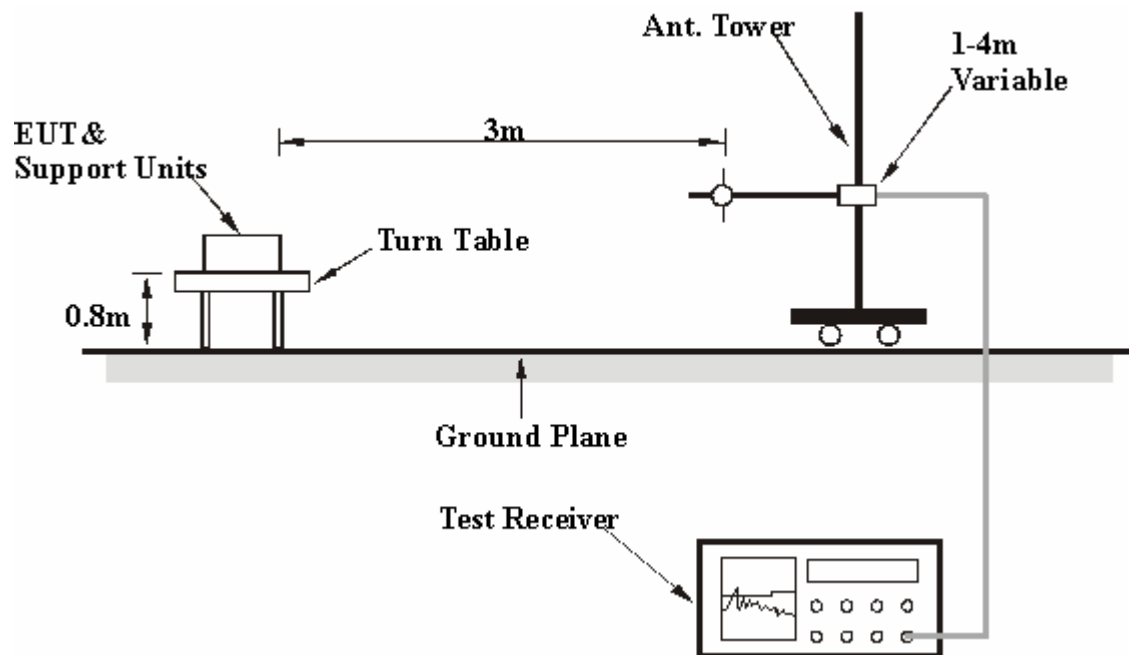
NOTE:

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 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



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

4.2.6 EUT OPERATING CONDITIONS

- a. Placed the EUT on testing table.
- b. Prepared other computer systems (support unit 1 ~ 3) to act as communication partners and placed them outside of testing area.
- c. The communication partners run test program “MFGTest ” to enable EUT under transmission/receiving condition continuously at specific channel frequency via UTP cable.

4.2.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA: (MODE 1)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	CCK for 802.11b	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	18deg. C, 68%RH, 971hPa	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	250.00	31.60 QP	46.00	-14.40	1.73 H	288	17.80	13.80
2	266.67	43.90 QP	46.00	-2.10	1.00 H	291	29.00	14.90
3	299.99	39.20 QP	46.00	-6.80	1.13 H	288	22.30	16.80
4	374.99	35.50 QP	46.00	-10.50	1.00 H	305	17.30	18.20
5	399.99	37.40 QP	46.00	-8.60	1.05 H	333	18.40	19.00
6	499.99	31.10 QP	46.00	-14.90	1.72 H	66	9.40	21.80
7	600.03	38.30 QP	46.00	-7.70	1.43 H	233	13.80	24.50
8	624.99	32.20 QP	46.00	-13.80	1.30 H	149	7.40	24.80
9	666.70	36.70 QP	46.00	-9.30	1.42 H	132	11.40	25.30
10	700.04	37.90 QP	46.00	-8.10	1.19 H	156	12.10	25.80
11	749.98	32.60 QP	46.00	-13.40	1.25 H	166	5.30	27.30
12	799.99	45.50 QP	46.00	-0.50	1.04 H	294	18.00	27.60

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	200.01	33.80 QP	43.50	-9.70	1.00 V	163	22.20	11.60
2	299.99	29.90 QP	46.00	-16.10	1.00 V	216	13.10	16.80
3	374.99	30.50 QP	46.00	-15.50	1.08 V	316	12.30	18.20
4	399.99	34.40 QP	46.00	-11.60	1.08 V	282	15.30	19.00
5	499.99	34.90 QP	46.00	-11.10	1.00 V	53	13.10	21.80
6	599.98	32.40 QP	46.00	-13.60	1.00 V	41	7.90	24.50
7	650.00	29.00 QP	46.00	-17.00	1.22 V	82	3.90	25.00
8	700.03	28.60 QP	46.00	-17.40	1.00 V	237	2.80	25.80
9	749.98	31.90 QP	46.00	-14.10	1.00 V	253	4.50	27.30
10	799.99	35.50 QP	46.00	-10.50	1.00 V	64	7.90	27.60

- 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.

BELOW 1GHz WORST-CASE DATA: (MODE 2)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK for 802.11g	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	18deg. C, 68%RH, 971hPa	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	111.64	33.90 QP	43.50	-9.60	1.67 H	261	23.10	10.90
2	200.18	38.70 QP	43.50	-4.80	1.67 H	246	27.10	11.60
3	266.67	43.70 QP	46.00	-2.30	1.00 H	311	28.80	14.90
4	300.30	41.60 QP	46.00	-4.40	1.00 H	253	24.80	16.80
5	400.01	40.80 QP	46.00	-5.20	1.00 H	122	21.80	19.00
6	600.03	39.70 QP	46.00	-6.30	1.36 H	328	15.20	24.50
7	666.70	41.40 QP	46.00	-4.60	1.20 H	330	16.20	25.30
8	800.04	40.10 QP	46.00	-5.90	1.00 H	17	12.60	27.60
9	866.64	33.90 QP	46.00	-12.10	1.00 H	227	5.30	28.50

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	79.21	35.90 QP	40.00	-4.10	1.05 V	1	25.60	10.30
2	111.52	29.60 QP	43.50	-13.90	1.05 V	175	18.80	10.80
3	200.06	33.10 QP	43.50	-10.40	1.04 V	228	21.50	11.60
4	250.10	37.40 QP	46.00	-8.60	1.04 V	318	23.60	13.80
5	266.68	36.70 QP	46.00	-9.30	1.46 V	10	21.80	14.90
6	400.00	36.90 QP	46.00	-9.10	1.37 V	233	17.90	19.00
7	600.03	30.60 QP	46.00	-15.40	1.48 V	86	6.10	24.50
8	666.70	32.80 QP	46.00	-13.20	1.28 V	155	7.50	25.30
9	800.03	36.00 QP	46.00	-10.00	1.27 V	338	8.40	27.60

- 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.

BELOW 1GHz WORST-CASE DATA: (MODE 3)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK for draft 802.11n (20MHz)	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	18deg. C, 63%RH, 971hPa	TESTED BY	Phoenix Huang

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	111.45	34.50 QP	43.50	-9.00	1.66 H	266	23.70	10.80
2	200.20	39.50 QP	43.50	-4.00	1.64 H	244	27.90	11.60
3	266.60	44.20 QP	46.00	-1.80	1.00 H	312	29.30	14.90
4	300.20	42.30 QP	46.00	-3.70	1.02 H	255	25.50	16.80
5	400.10	41.20 QP	46.00	-4.80	1.02 H	133	22.20	19.00
6	600.10	40.20 QP	46.00	-5.80	1.33 H	322	15.70	24.50
7	666.70	42.40 QP	46.00	-3.60	1.21 H	336	17.10	25.30
8	800.10	41.20 QP	46.00	-4.80	1.01 H	19	13.60	27.60
9	866.60	34.20 QP	46.00	-11.80	1.05 H	228	5.70	28.50

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	80.00	30.20 QP	40.00	-9.80	1.05 V	177	20.10	10.10
2	111.40	30.20 QP	43.50	-13.30	1.03 V	2	19.40	10.80
3	200.00	34.20 QP	43.50	-9.20	1.03 V	226	22.60	11.60
4	251.00	38.20 QP	46.00	-7.80	1.06 V	333	24.40	13.80
5	266.70	36.60 QP	46.00	-9.40	1.40 V	20	21.70	14.90
6	400.20	37.10 QP	46.00	-8.90	1.28 V	226	18.10	19.00
7	600.10	31.40 QP	46.00	-14.60	1.44 V	88	6.90	24.50
8	666.60	33.10 QP	46.00	-12.90	1.27 V	156	7.90	25.30
9	800.10	36.90 QP	46.00	-9.10	1.22 V	333	9.30	27.60

- 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.

BELOW 1GHz WORST-CASE DATA: (MODE 4)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	CCK for 802.11b	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	18deg. C, 80%RH, 971hPa	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	138.86	34.44 QP	43.50	-9.06	1.05 H	175	20.96	13.48
2	187.45	35.61 QP	43.50	-7.89	2.78 H	241	23.60	12.01
3	224.39	38.36 QP	46.00	-7.64	1.58 H	241	26.27	12.09
4	267.15	36.90 QP	46.00	-9.10	3.20 H	94	22.36	14.54
5	299.98	44.96 QP	46.00	-1.04	1.12 H	109	28.59	16.37
6	333.25	37.00 QP	46.00	-9.00	3.05 H	94	20.08	16.92
7	399.34	36.79 QP	46.00	-9.21	3.28 H	94	18.00	18.79
8	449.88	42.65 QP	46.00	-3.35	2.35 H	238	22.73	19.92
9	562.63	39.08 QP	46.00	-6.92	2.68 H	217	15.83	23.25
10	601.50	41.32 QP	46.00	-4.68	1.16 H	175	16.97	24.35
11	751.18	40.40 QP	46.00	-5.60	1.57 H	241	12.59	27.81

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	58.71	37.13 QP	40.00	-2.87	1.00 V	124	23.22	13.91
2	77.18	36.54 QP	40.00	-3.46	1.00 V	283	25.04	11.50
3	111.64	34.16 QP	43.50	-9.34	1.68 V	226	23.85	10.31
4	140.80	34.07 QP	43.50	-9.43	1.58 V	211	20.44	13.63
5	300.20	36.18 QP	46.00	-9.82	1.00 V	247	19.81	16.37
6	399.34	35.56 QP	46.00	-10.44	1.00 V	247	16.78	18.79
7	562.63	34.14 QP	46.00	-11.86	1.06 V	259	10.89	23.25
8	601.50	37.47 QP	46.00	-8.53	1.85 V	265	13.12	24.35
9	801.72	34.12 QP	46.00	-11.88	1.66 V	247	6.07	28.05
10	881.42	36.93 QP	46.00	-9.07	1.08 V	259	7.79	29.14

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.

BELOW 1GHz WORST-CASE DATA: (MODE 5)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK for 802.11g	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	18deg. C, 80%RH, 971hPa	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	76.65	36.23 QP	40.00	-3.77	3.09 H	247	24.65	11.58
2	109.70	39.01 QP	43.50	-4.49	3.52 H	247	28.85	10.16
3	187.45	37.36 QP	43.50	-6.14	3.35 H	211	25.35	12.01
4	224.39	42.01 QP	46.00	-3.99	2.76 H	214	29.92	12.09
5	280.76	40.86 QP	46.00	-5.14	1.78 H	58	25.34	15.52
6	300.20	44.56 QP	46.00	-1.44	3.22 H	247	28.19	16.37
7	562.63	39.43 QP	46.00	-6.57	2.08 H	277	16.18	23.25
8	601.50	40.18 QP	46.00	-5.82	1.96 H	247	15.83	24.35
9	751.18	42.65 QP	46.00	-3.35	1.88 H	214	14.84	27.81
10	881.42	39.79 QP	46.00	-6.21	1.75 H	277	10.65	29.14

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	58.70	37.30 QP	40.00	-2.70	1.00 V	175	23.39	13.91
2	76.65	36.72 QP	40.00	-3.28	2.20 V	265	25.14	11.58
3	109.70	36.44 QP	43.50	-7.06	1.38 V	265	26.28	10.16
4	158.30	33.63 QP	43.50	-9.87	1.00 V	304	19.92	13.71
5	300.20	36.60 QP	46.00	-9.40	1.02 V	217	20.23	16.37
6	399.34	35.63 QP	46.00	-10.37	1.28 V	217	16.84	18.79
7	449.88	35.01 QP	46.00	-10.99	1.00 V	106	15.09	19.92
8	562.63	35.64 QP	46.00	-10.36	1.04 V	217	12.39	23.25
9	601.50	36.62 QP	46.00	-9.38	1.00 V	292	12.27	24.35
10	881.42	36.24 QP	46.00	-9.76	1.36 V	217	7.10	29.14

- 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.

BELOW 1GHz WORST-CASE DATA: (MODE 6)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK for draft 802.11n (20MHz)	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	18deg. C, 80%RH, 971hPa	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	47.49	34.79 QP	40.00	-5.21	2.85 H	238	19.60	15.19
2	90.26	37.79 QP	43.50	-5.71	2.28 H	196	28.24	9.55
3	111.64	38.36 QP	43.50	-5.14	3.35 H	205	28.05	10.31
4	224.39	39.61 QP	46.00	-6.39	1.22 H	244	27.52	12.09
5	280.76	42.55 QP	46.00	-3.45	1.86 H	16	27.03	15.52
6	299.95	44.41 QP	46.00	-1.59	1.20 H	263	28.04	16.37
7	449.88	38.13 QP	46.00	-7.87	2.72 H	208	18.21	19.92
8	601.50	40.57 QP	46.00	-5.43	3.11 H	196	16.22	24.35
9	751.18	44.09 QP	46.00	-1.91	1.76 H	244	16.28	27.81
10	881.42	38.81 QP	46.00	-7.19	1.18 H	88	9.67	29.14

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	58.72	37.79 QP	40.00	-2.21	1.26 V	262	23.88	13.91
2	76.65	38.10 QP	40.00	-1.90	1.00 V	250	26.52	11.58
3	109.70	36.35 QP	43.50	-7.15	1.00 V	250	26.20	10.16
4	187.45	34.14 QP	43.50	-9.36	1.00 V	139	22.13	12.01
5	280.76	36.13 QP	46.00	-9.87	1.00 V	154	20.60	15.52
6	300.20	39.13 QP	46.00	-6.87	1.36 V	262	22.76	16.37
7	432.38	37.46 QP	46.00	-8.54	1.40 V	262	17.93	19.53
8	580.12	36.15 QP	46.00	-9.85	1.00 V	55	12.39	23.76
9	601.50	36.88 QP	46.00	-9.12	1.28 V	304	12.53	24.35
10	881.42	34.11 QP	46.00	-11.89	1.42 V	34	4.97	29.14

- 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.

802.11b DSSS MODULATION:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	CCK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 74%RH, 971hPa	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	2387.44	55.90 PK	74.00	-18.10	1.25 H	196	25.60	30.30
1	2387.44	44.50 AV	54.00	-9.50	1.25 H	196	14.20	30.30
2	*2412.00	103.00 PK			1.25 H	196	72.60	30.40
2	*2412.00	98.70 AV			1.25 H	196	68.30	30.40
3	3216.00	46.50 PK	74.00	-27.50	1.27 H	20	14.20	32.30
3	3216.00	38.30 AV	54.00	-15.70	1.27 H	20	6.00	32.30
4	4824.00	48.50 PK	74.00	-25.50	1.28 H	44	12.80	35.70
4	4824.00	40.70 AV	54.00	-13.30	1.28 H	44	5.00	35.70
5	9648.00	56.40 PK	74.00	-17.60	1.18 H	102	11.60	44.80
5	9648.00	45.40 AV	54.00	-8.60	1.18 H	102	0.60	44.80

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	2387.44	62.50 PK	74.00	-11.50	1.30 V	270	32.20	30.30
1	2387.44	53.50 AV	54.00	-0.50	1.30 V	270	23.20	30.30
2	*2412.00	111.50 PK			1.30 V	270	81.10	30.40
2	*2412.00	108.10 AV			1.30 V	270	77.70	30.40
3	3216.00	48.50 PK	74.00	-25.50	1.27 V	55	16.20	32.30
3	3216.00	42.80 AV	54.00	-11.20	1.27 V	55	10.50	32.30
4	4824.00	49.70 PK	74.00	-24.30	1.42 V	124	14.00	35.70
4	4824.00	43.60 AV	54.00	-10.40	1.42 V	124	7.90	35.70
5	9648.00	61.40 PK	74.00	-12.60	1.65 V	102	16.60	44.80
5	9648.00	52.10 AV	54.00	-1.90	1.65 V	102	7.30	44.80
6	7236.00	48.90 PK	74.00	-25.10	1.39 V	330	5.90	43.00
6	7236.00	39.20 AV	54.00	-14.80	1.39 V	330	-3.80	43.00

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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	CCK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 74%RH, 971hPa	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	*2437.00	103.80 PK			1.22 H	208	73.30	30.50
1	*2437.00	99.50 AV			1.22 H	208	69.00	30.50
2	3249.00	47.20 PK	74.00	-26.80	1.17 H	48	14.90	32.30
2	3249.00	39.00 AV	54.00	-15.00	1.17 H	48	6.70	32.30
3	4874.00	49.20 PK	74.00	-24.80	1.20 H	96	13.30	35.90
3	4874.00	41.00 AV	54.00	-13.00	1.20 H	96	5.10	35.90
4	9748.00	56.80 PK	74.00	-17.20	1.14 H	75	11.90	44.90
4	9748.00	46.20 AV	54.00	-7.80	1.14 H	75	1.30	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	*2437.00	112.20 PK			1.21 V	288	81.70	30.50
1	*2437.00	108.80 AV			1.21 V	288	78.30	30.50
2	3249.00	49.00 PK	74.00	-25.00	1.15 V	72	16.70	32.30
2	3249.00	43.40 AV	54.00	-10.60	1.15 V	72	11.10	32.30
3	4874.00	51.90 PK	74.00	-22.10	1.40 V	222	16.00	35.90
3	4874.00	44.10 AV	54.00	-9.90	1.40 V	222	8.20	35.90
4	9748.00	62.30 PK	74.00	-11.70	1.38 V	262	17.40	44.90
4	9748.00	52.90 AV	54.00	-1.10	1.38 V	262	8.00	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.

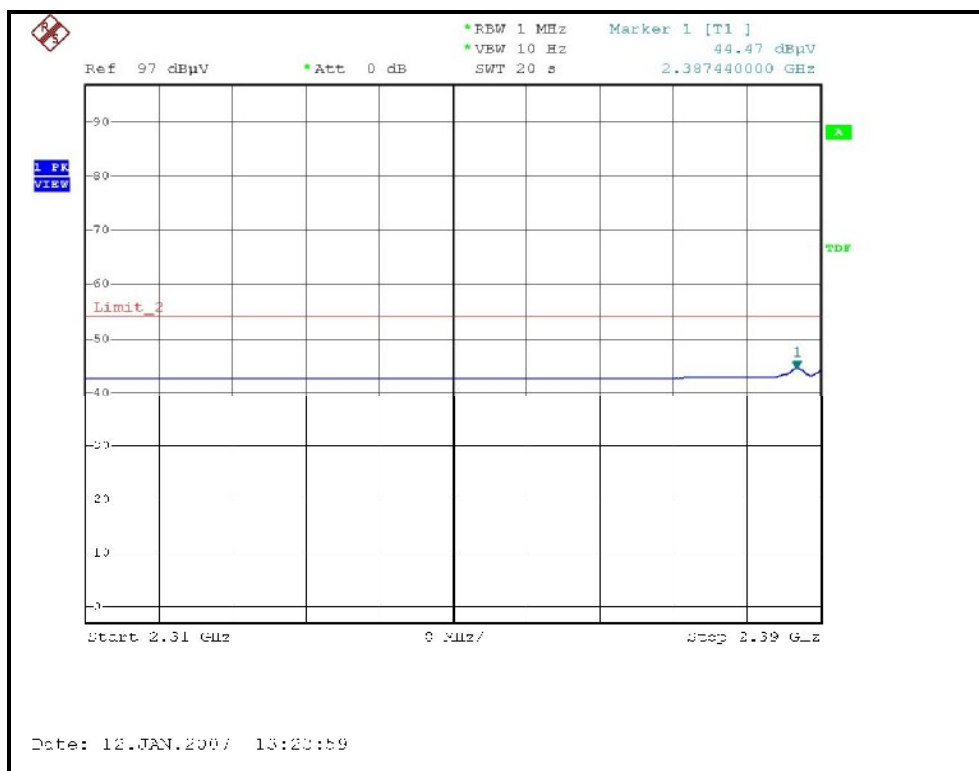
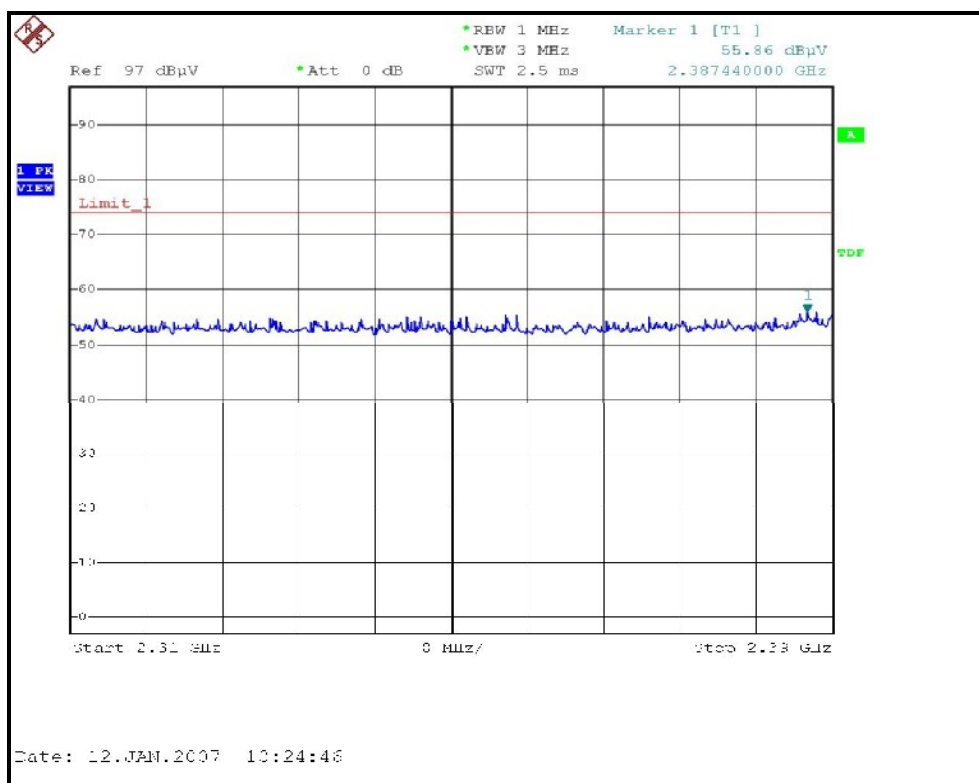
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	CCK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 74%RH, 971hPa	TESTED BY	Sky Liao

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	*2462.00	102.00 PK			1.00 H	12	71.40	30.60
1	*2462.00	96.80 AV			1.00 H	12	66.20	30.60
2	2483.50	56.00 PK	74.00	-18.00	1.00 H	12	25.30	30.70
2	2483.50	45.60 AV	54.00	-8.40	1.00 H	12	15.00	30.70
3	3282.00	46.20 PK	74.00	-27.80	1.26 H	335	13.90	32.40
3	3282.00	37.80 AV	54.00	-16.20	1.26 H	335	5.50	32.40
4	4924.00	48.60 PK	74.00	-25.40	1.28 H	305	12.60	36.00
4	4924.00	40.70 AV	54.00	-13.30	1.28 H	305	4.70	36.00
5	9848.00	56.50 PK	74.00	-17.50	1.20 H	352	11.60	44.90
5	9848.00	45.40 AV	54.00	-8.60	1.20 H	352	0.50	44.90

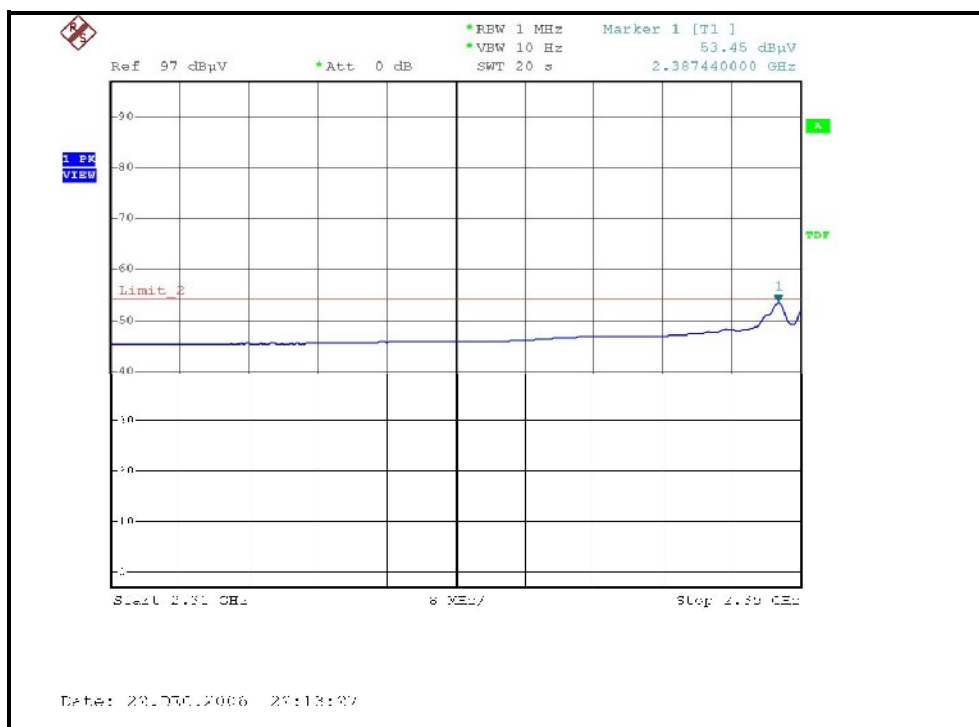
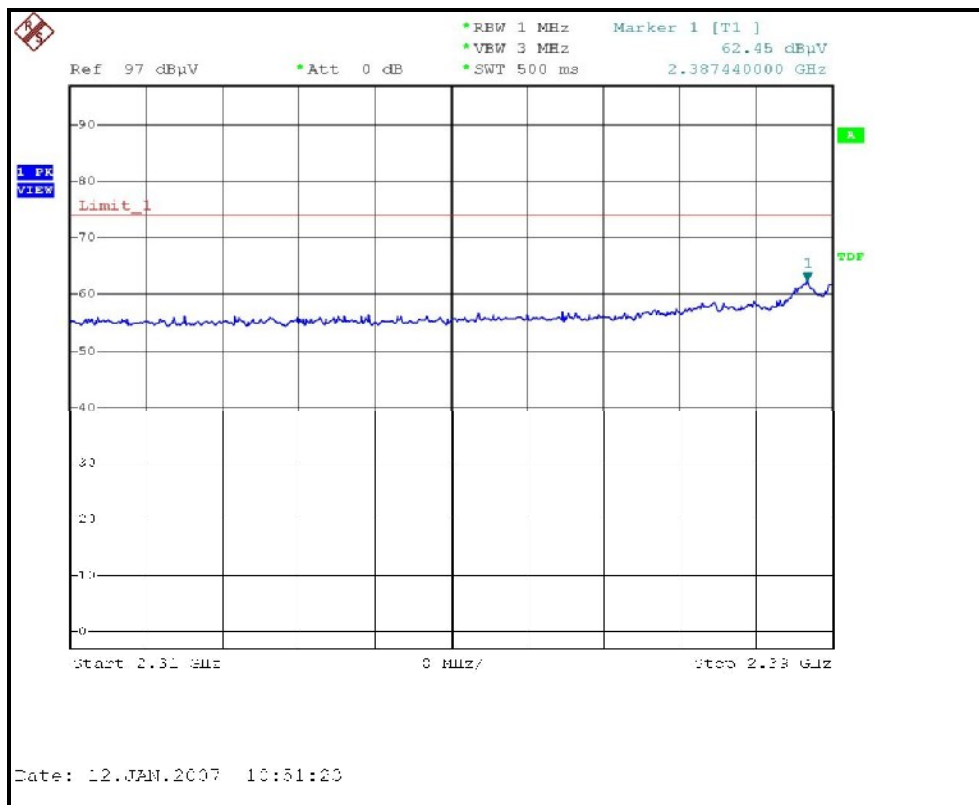
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.50 PK			1.25 V	57	80.90	30.60
1	*2462.00	106.80 AV			1.25 V	57	76.20	30.60
2	2483.50	62.90 PK	74.00	-11.10	1.25 V	57	32.20	30.70
2	2483.50	53.70 AV	54.00	-0.30	1.25 V	57	23.00	30.70
3	3282.00	48.10 PK	74.00	-25.90	1.72 V	40	15.80	32.40
3	3282.00	42.60 AV	54.00	-11.40	1.72 V	40	10.30	32.40
4	4924.00	49.80 PK	74.00	-24.20	1.58 V	170	13.80	36.00
4	4924.00	43.70 AV	54.00	-10.30	1.58 V	170	7.70	36.00
5	9848.00	61.00 PK	74.00	-13.00	1.77 V	27	16.10	44.90
5	9848.00	52.90 AV	54.00	-1.10	1.77 V	27	8.00	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.

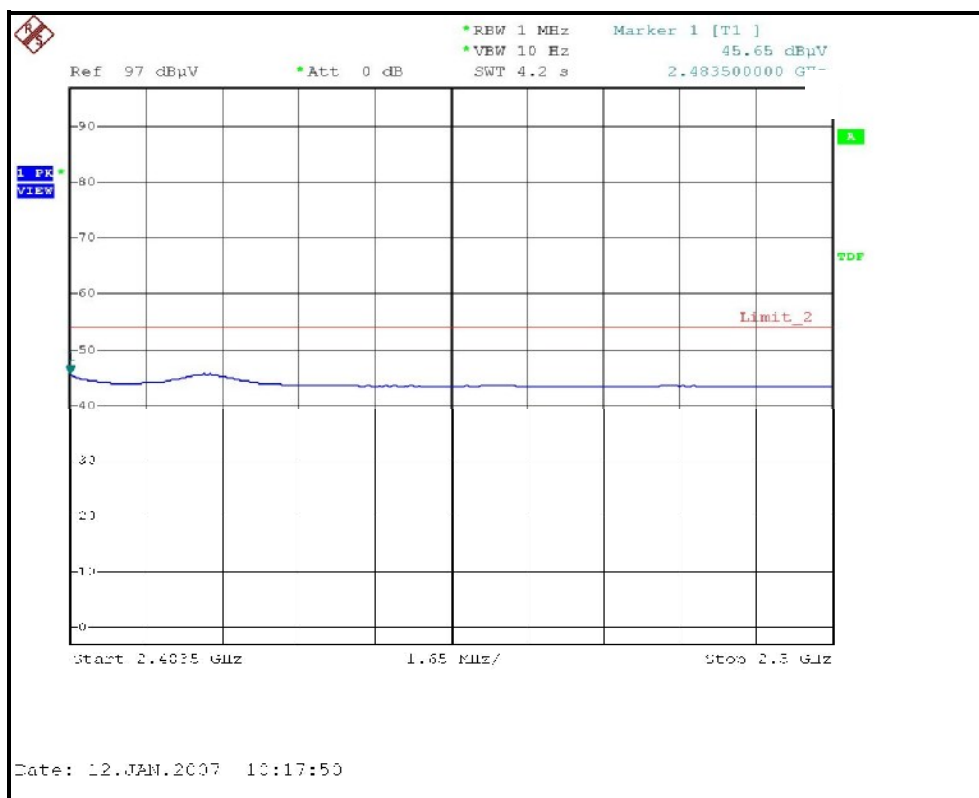
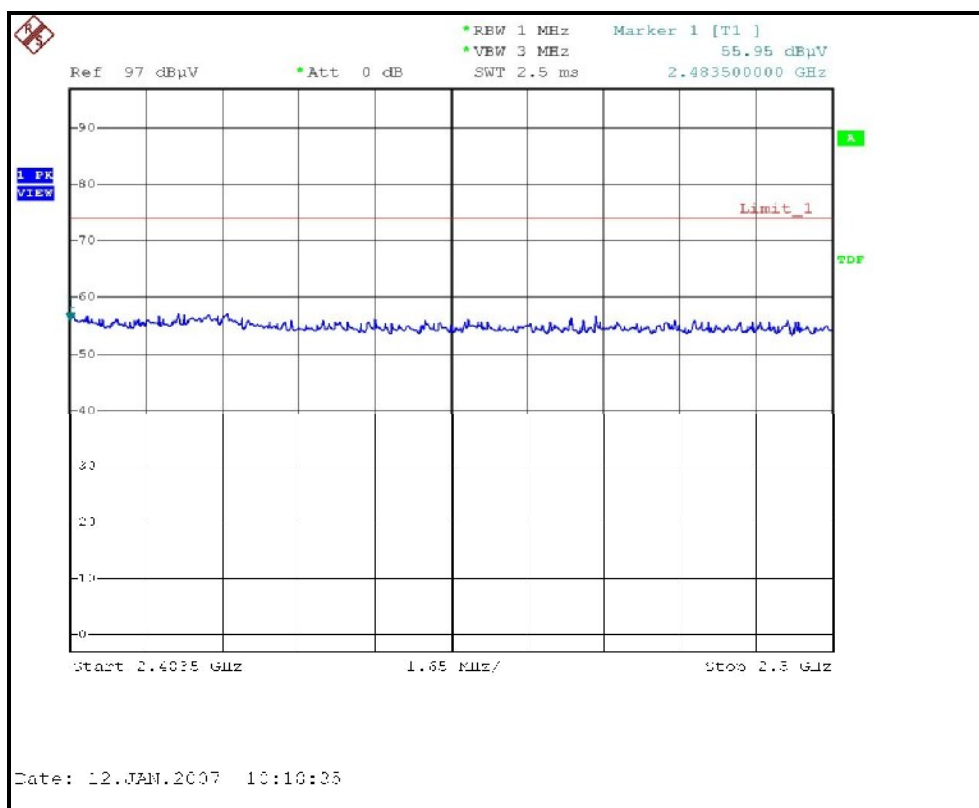
RESTRICTED BANDEDGE (802.11b MODE, CH1, HORIZONTAL)



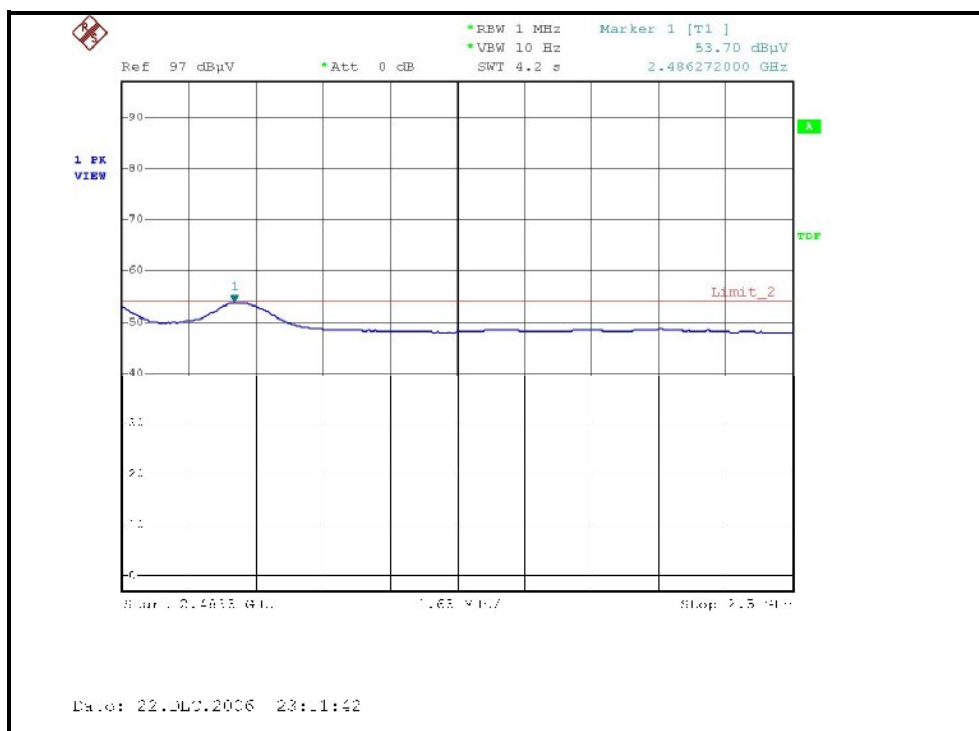
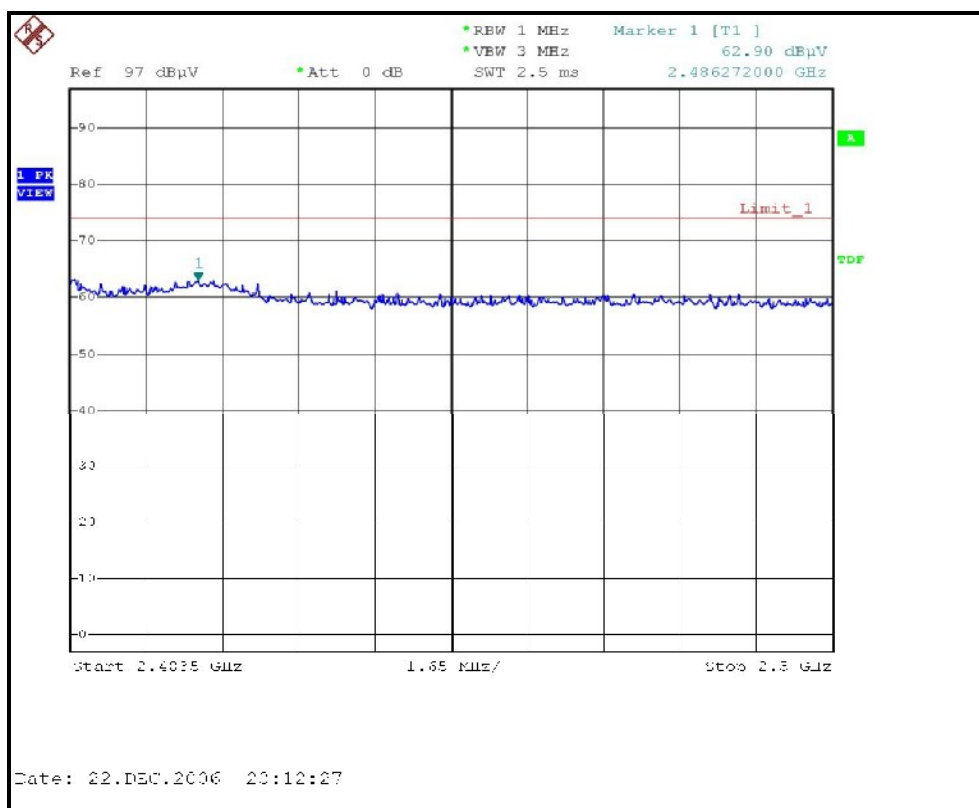
RESTRICTED BANDEDGE (802.11b MODE,CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11b MODE,CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, VERTICAL)



802.11g OFDM MODULATION / DUAL TX: (ANTENNA 1 AND 2)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

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	2390.00	61.70 PK	74.00	-12.30	1.62 H	203	31.40	30.30
1	2390.00	45.60 AV	54.00	-8.40	1.62 H	203	15.30	30.30
2	*2412.00	107.90 PK			1.62 H	203	77.60	30.40
2	*2412.00	96.50 AV			1.62 H	203	66.10	30.40
3	3216.00	45.20 PK	74.00	-28.80	1.14 H	17	12.90	32.30
3	3216.00	34.50 AV	54.00	-19.50	1.14 H	17	2.20	32.30
4	4824.00	39.70 PK	74.00	-34.30	1.20 H	223	4.00	35.70
4	4824.00	29.80 AV	54.00	-24.20	1.20 H	223	-5.90	35.70

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	*2142.00	115.40 PK			1.32 V	267	86.20	29.20
1	*2142.00	103.20 AV			1.32 V	267	73.90	29.20
2	2390.00	71.30 PK	74.00	-2.70	1.32 V	267	41.00	30.30
2	2390.00	52.60 AV	54.00	-1.40	1.32 V	267	22.30	30.30
3	3216.00	44.20 PK	74.00	-29.80	1.04 V	231	11.90	32.30
3	3216.00	42.80 AV	54.00	-11.20	1.04 V	231	10.50	32.30
4	4824.00	50.30 PK	74.00	-23.70	1.14 V	360	14.60	35.70
4	4824.00	42.30 AV	54.00	-11.70	1.14 V	360	6.60	35.70

- 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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

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	*2437.00	108.20 PK			1.63 H	223	77.70	30.50
1	*2437.00	97.20 AV			1.63 H	223	66.70	30.50
2	3249.00	44.60 PK	74.00	-29.40	1.45 H	238	12.30	32.30
2	3249.00	34.20 AV	54.00	-19.80	1.45 H	238	1.90	32.30
3	4874.00	36.70 PK	74.00	-37.30	1.20 H	143	0.80	35.90
3	4874.00	29.60 AV	54.00	-24.40	1.20 H	143	-6.30	35.90
4	9748.00	55.80 PK	74.00	-18.20	1.35 H	128	10.90	44.90
4	9748.00	41.50 AV	54.00	-12.50	1.35 H	128	-3.40	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	*2437.00	116.90 PK			1.33 V	269	86.40	30.50
1	*2437.00	104.80 AV			1.33 V	269	74.30	30.50
2	3249.00	48.20 PK	74.00	-25.80	1.20 V	111	15.90	32.30
2	3249.00	42.30 AV	54.00	-11.70	1.20 V	111	10.00	32.30
3	4874.00	50.10 PK	74.00	-23.90	1.23 V	10	14.30	35.90
3	4874.00	42.30 AV	54.00	-11.70	1.23 V	10	6.40	35.90
4	9748.00	56.30 PK	74.00	-17.70	1.42 V	127	11.40	44.90
4	9748.00	42.80 AV	54.00	-11.20	1.42 V	127	-2.10	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.

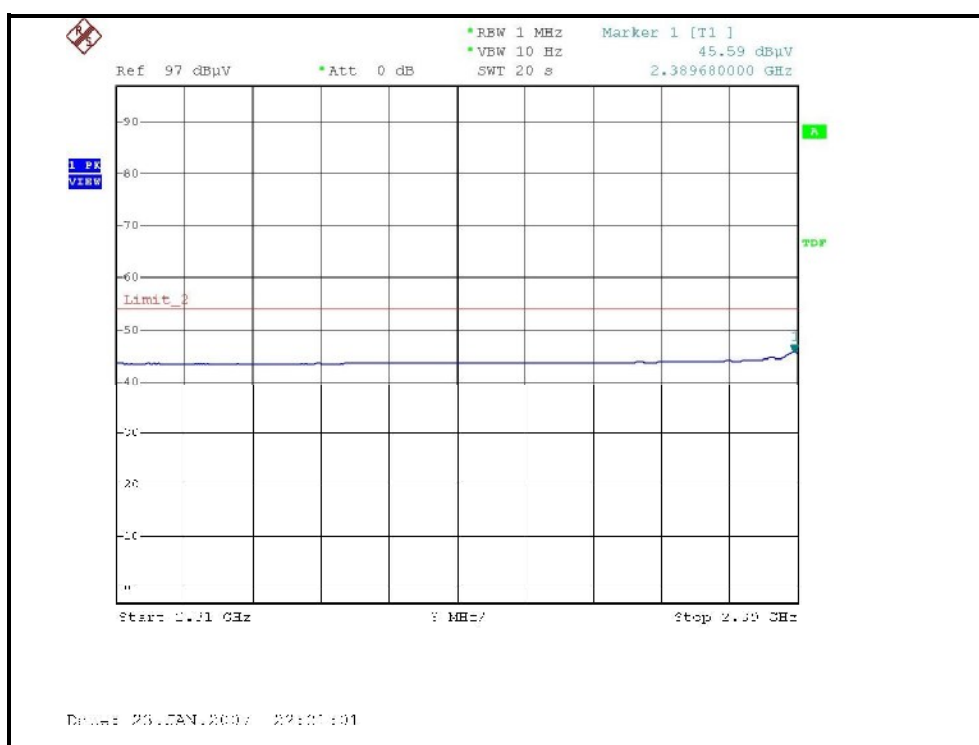
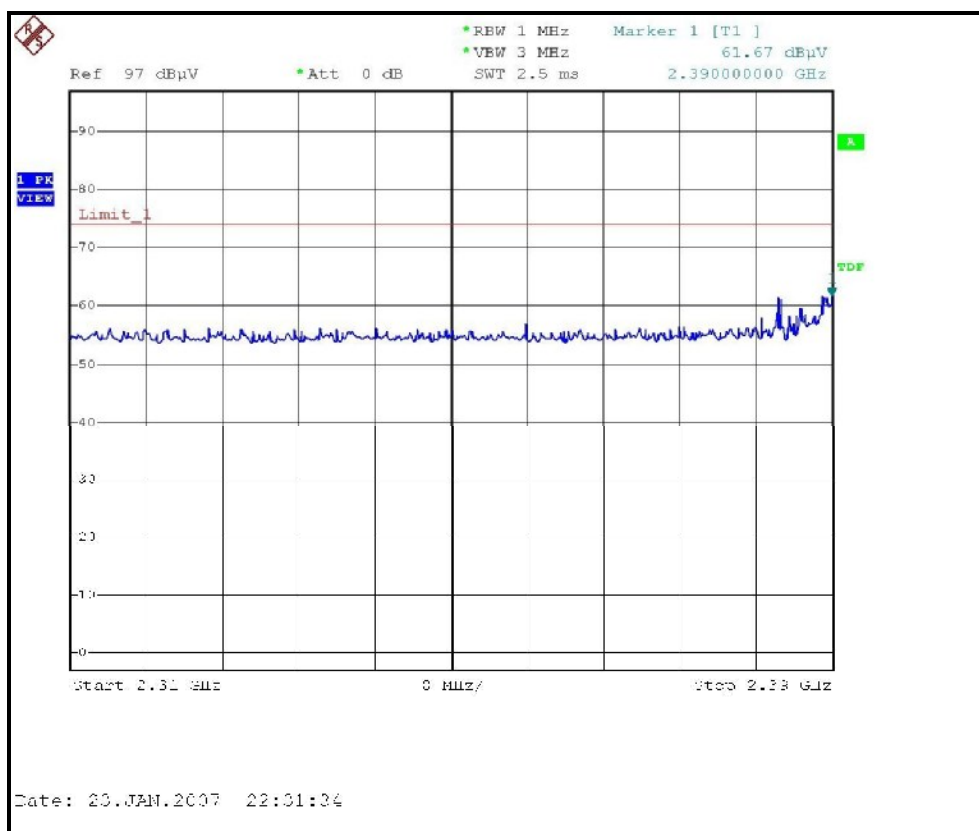
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

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	*2462.00	105.30 PK			1.53 H	342	74.70	30.60
1	*2462.00	94.40 AV			1.53 H	342	63.80	30.60
2	2483.50	61.30 PK	74.00	-12.70	1.53 H	342	30.60	30.70
2	2483.50	45.40 AV	54.00	-8.60	1.53 H	342	14.70	30.70
3	3282.00	43.30 PK	74.00	-30.70	1.07 H	211	10.90	32.40
3	3282.00	33.20 AV	54.00	-20.80	1.07 H	211	0.80	32.40
4	4924.00	39.50 PK	74.00	-34.50	1.20 H	147	3.50	36.00
4	4924.00	29.30 AV	54.00	-24.70	1.20 H	147	-6.70	36.00
5	9848.00	55.20 PK	74.00	-18.80	1.13 H	224	10.30	44.90
5	9848.00	41.30 AV	54.00	-12.70	1.13 H	224	-3.60	44.90

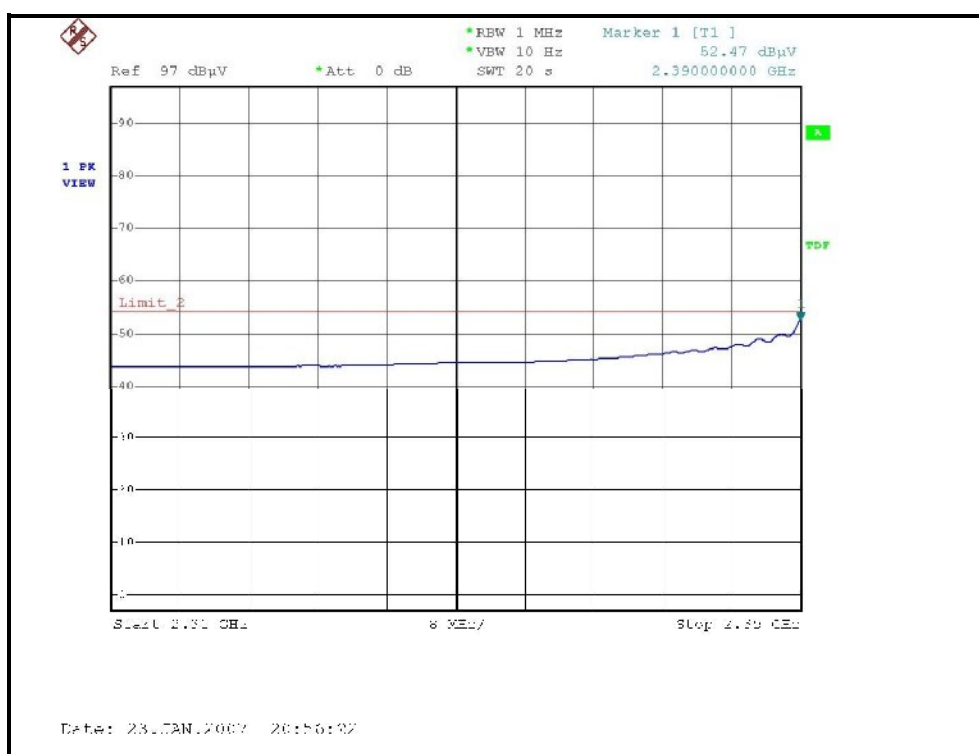
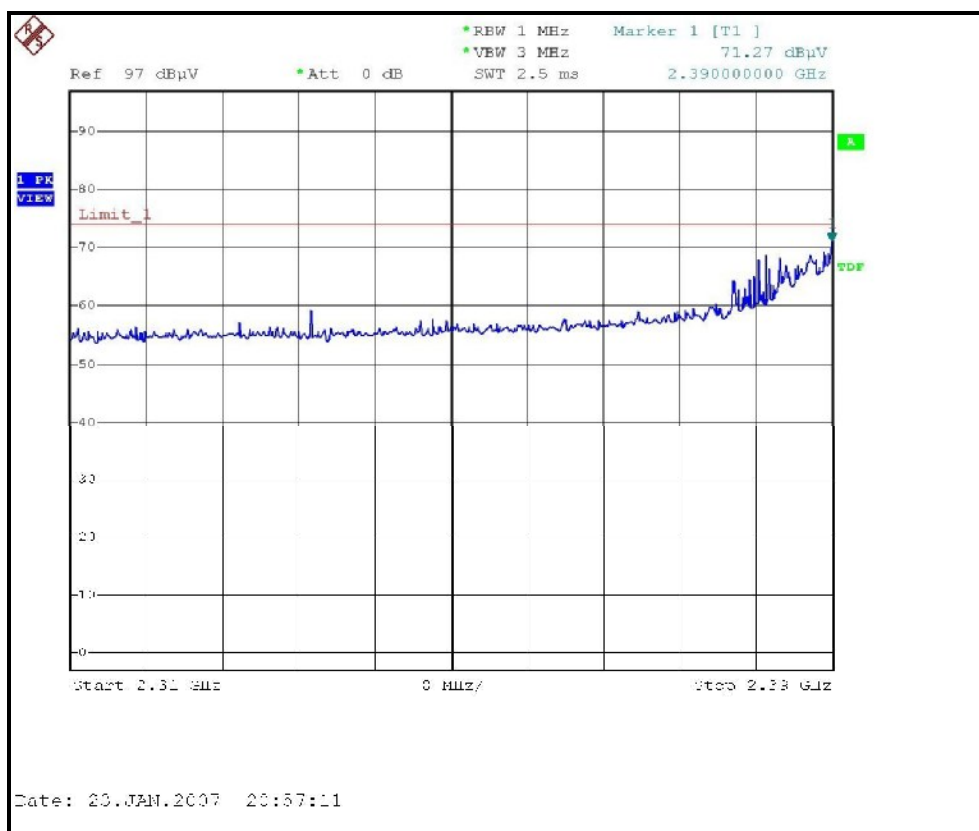
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	116.20 PK			1.30 V	303	85.60	30.60
1	*2462.00	103.20 AV			1.30 V	303	72.60	30.60
2	2483.50	73.80 PK	74.00	-0.20	1.30 V	303	43.20	30.70
2	2483.50	53.40 AV	54.00	-0.60	1.30 V	303	22.70	30.70
3	3282.00	49.20 PK	74.00	-24.80	1.14 V	201	16.80	32.40
3	3282.00	43.10 AV	54.00	-10.90	1.14 V	201	10.70	32.40
4	4924.00	50.40 PK	74.00	-23.60	1.12 V	345	14.40	36.00
4	4924.00	41.30 AV	54.00	-12.70	1.12 V	345	5.30	36.00
5	9848.00	55.90 PK	74.00	-18.10	1.01 V	321	11.00	44.90
5	9848.00	42.50 AV	54.00	-11.50	1.01 V	321	-2.40	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.

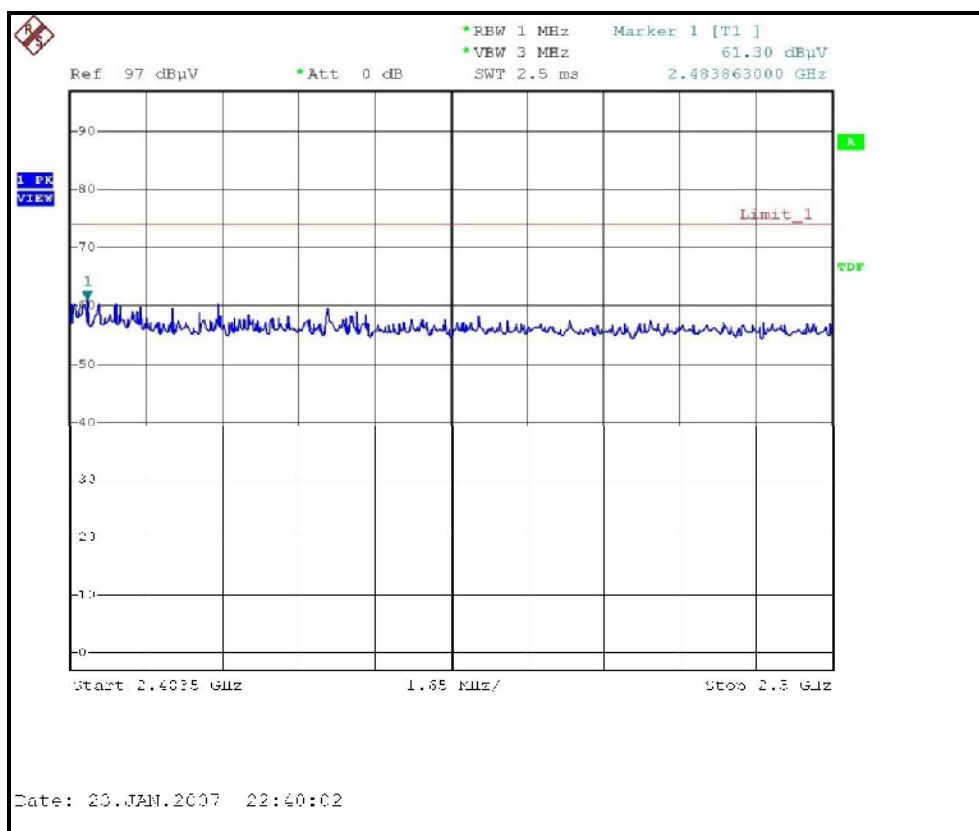
RESTRICTED BANDEDGE (802.11g MODE,CH1, HORIZONTAL)



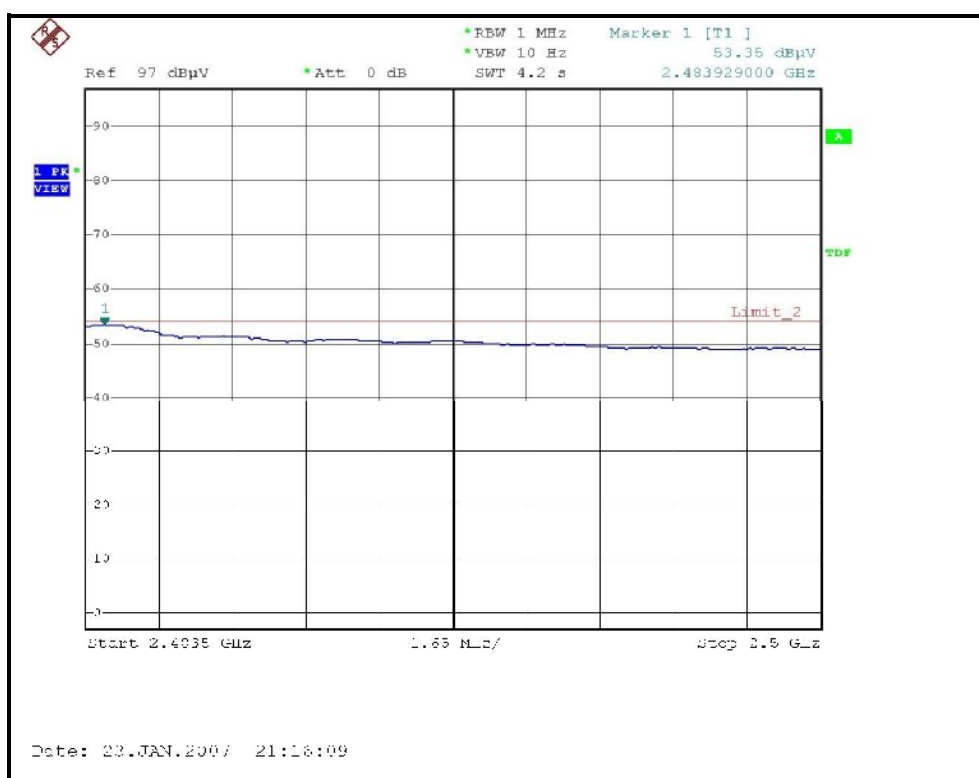
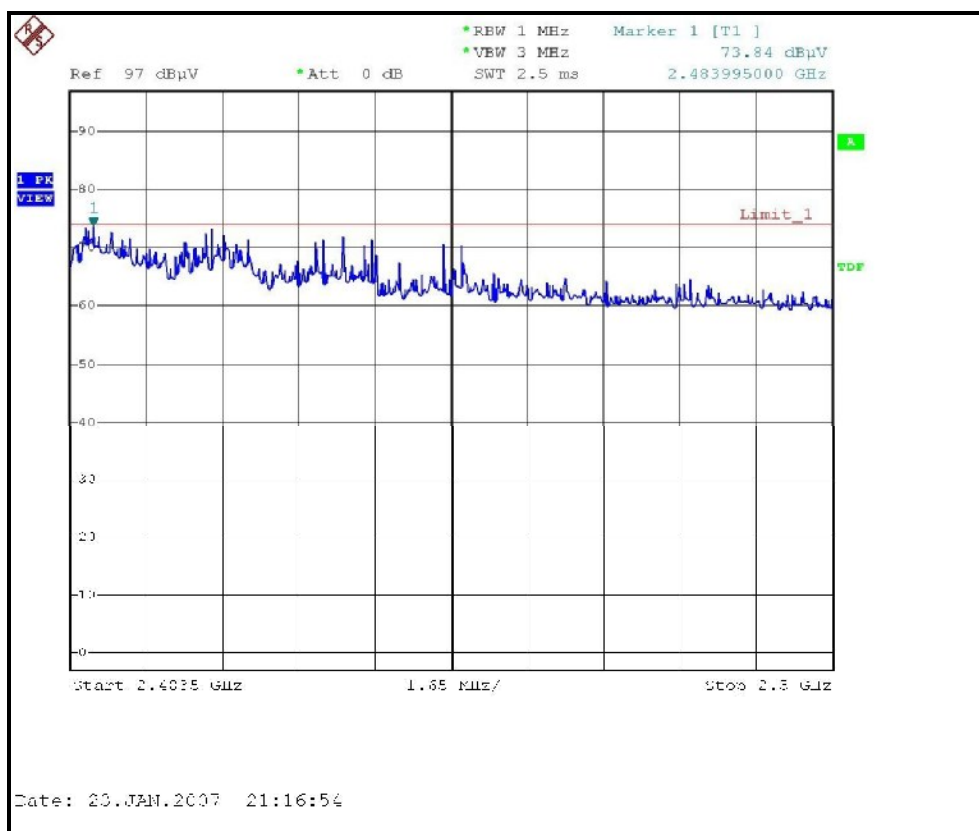
RESTRICTED BANDEDGE (802.11g MODE,CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE,CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE,CH11, VERTICAL)



802.11g OFDM MODULATION / DUAL TX: (ANTENNA 1 AND 3)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

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	2390.00	64.30 PK	74.00	-9.70	1.71 H	323	34.00	30.30
1	2390.00	45.90 AV	54.00	-8.10	1.71 H	323	15.60	30.30
2	*2412.00	106.90 PK			1.71 H	323	76.60	30.40
2	*2412.00	96.80 AV			1.71 H	323	66.40	30.40
3	3216.00	44.20 PK	74.00	-29.80	1.24 H	45	11.90	32.30
3	3216.00	34.50 AV	54.00	-19.50	1.24 H	45	2.20	32.30
4	4824.00	41.20 PK	74.00	-32.80	1.30 H	258	5.50	35.70
4	4824.00	30.20 AV	54.00	-23.80	1.30 H	258	-5.50	35.70
5	9648.00	52.30 PK	74.00	-21.70	1.12 H	213	7.50	44.80
5	9648.00	41.50 AV	54.00	-12.50	1.12 H	213	-3.30	44.80

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	2390.00	71.40 PK	74.00	-2.60	1.18 V	293	41.10	30.30
1	2390.00	51.20 AV	54.00	-2.80	1.18 V	293	20.90	30.30
2	*2412.00	113.10 PK			1.18 V	293	82.70	30.40
2	*2412.00	101.60 AV			1.18 V	293	71.20	30.40
3	3216.00	46.30 PK	74.00	-27.70	1.02 V	123	14.00	32.30
3	3216.00	42.50 AV	54.00	-11.50	1.02 V	123	10.20	32.30
4	4824.00	50.20 PK	74.00	-23.80	1.17 V	41	14.50	35.70
4	4824.00	43.20 AV	54.00	-10.80	1.17 V	41	7.50	35.70
5	9648.00	54.20 PK	74.00	-19.80	1.32 V	111	9.40	44.80
5	9648.00	42.10 AV	54.00	-11.90	1.32 V	111	-2.70	44.80

- 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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

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	*2437.00	107.30 PK			1.64 H	235	76.80	30.50
1	*2437.00	96.90 AV			1.64 H	235	66.50	30.50
2	3249.00	45.20 PK	74.00	-28.80	1.26 H	87	12.90	32.30
2	3249.00	34.50 AV	54.00	-19.50	1.26 H	87	2.20	32.30
3	4874.00	40.20 PK	74.00	-33.80	1.12 H	46	4.30	35.90
3	4874.00	30.20 AV	54.00	-23.80	1.12 H	46	-5.70	35.90

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	*2437.00	113.50 PK			1.14 V	299	83.00	30.50
1	*2437.00	102.10 AV			1.14 V	299	71.60	30.50
2	3249.00	47.30 PK	74.00	-26.70	1.17 V	354	15.00	32.30
2	3249.00	42.40 AV	54.00	-11.60	1.17 V	354	10.10	32.30
3	4874.00	50.10 PK	74.00	-23.90	1.36 V	58	14.20	35.90
3	4874.00	42.10 AV	54.00	-11.90	1.36 V	58	6.20	35.90

- 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.

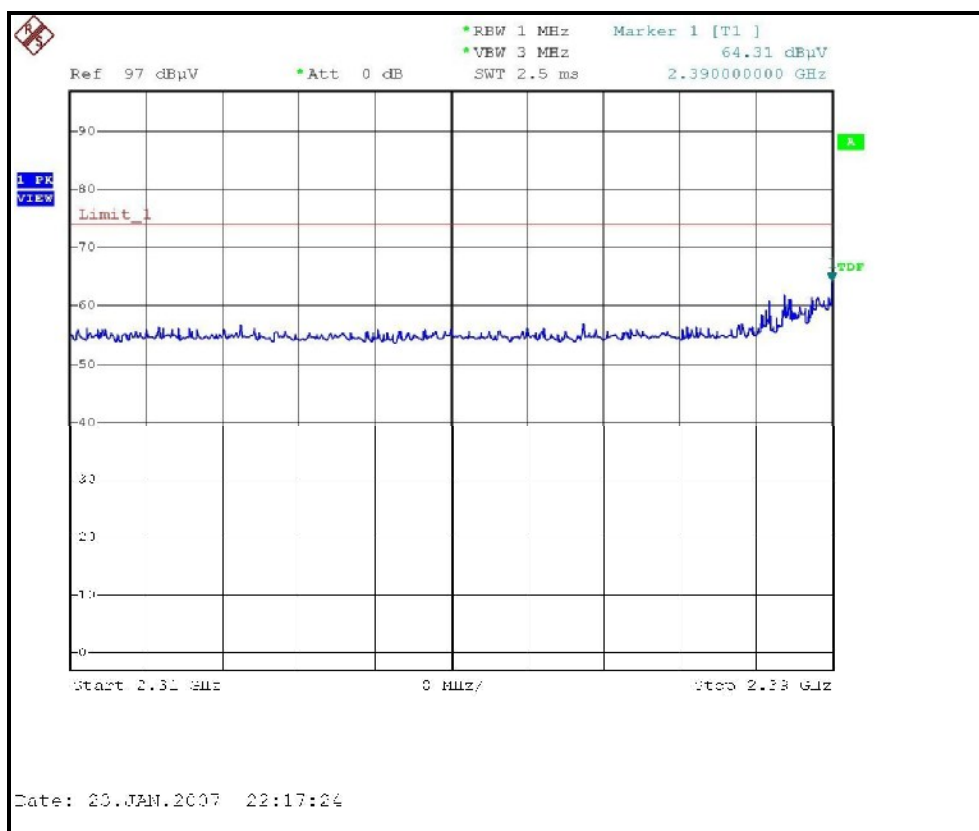
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Tony Chen

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	*2462.00	103.90 PK			1.09 H	154	73.30	30.60
1	*2462.00	94.50 AV			1.09 H	154	63.90	30.60
2	2483.50	59.20 PK	74.00	-14.80	1.09 H	154	28.50	30.70
2	2483.50	45.00 AV	54.00	-9.00	1.09 H	154	14.30	30.70
3	3282.00	43.80 PK	74.00	-30.20	1.04 H	123	11.40	32.40
3	3282.00	33.50 AV	54.00	-20.50	1.04 H	123	1.10	32.40
4	4924.00	40.10 PK	74.00	-33.90	1.24 H	147	4.10	36.00
4	4924.00	30.20 AV	54.00	-23.80	1.24 H	147	-5.80	36.00
5	9848.00	53.20 PK	74.00	-20.80	1.47 H	111	8.30	44.90
5	9848.00	42.10 AV	54.00	-11.90	1.47 H	111	-2.80	44.90

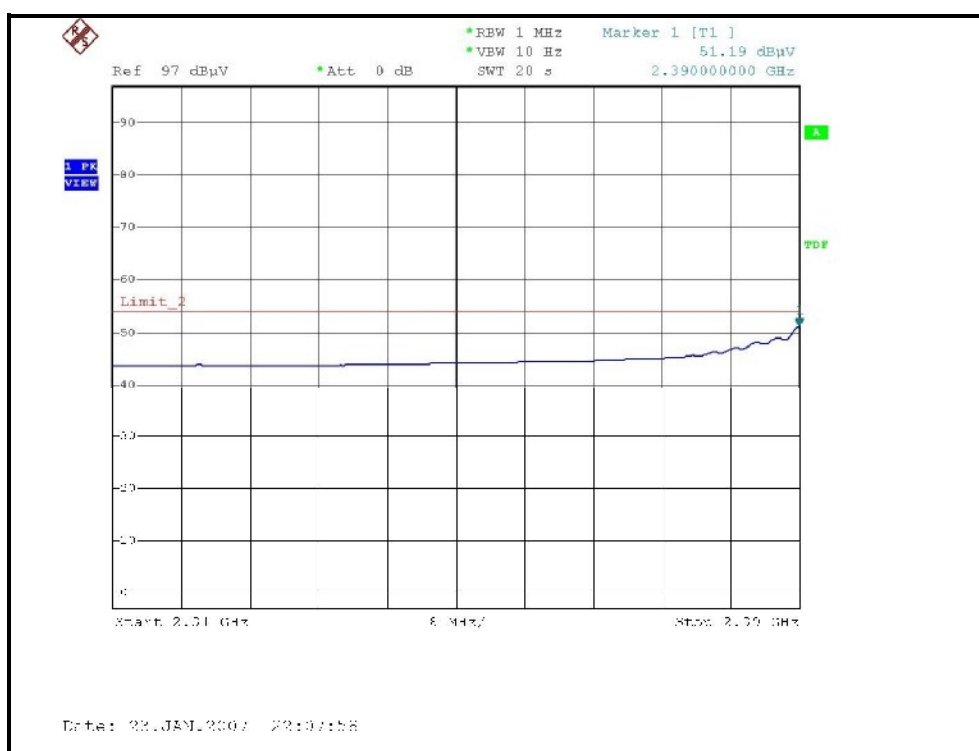
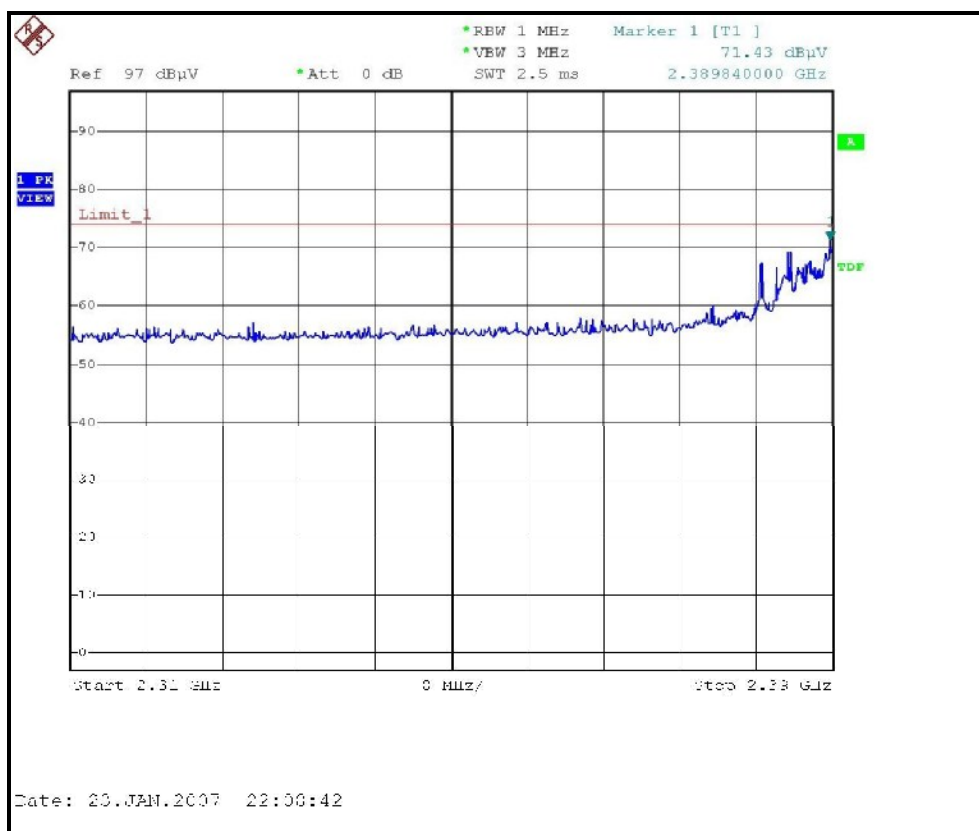
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.40 PK			1.25 V	16	79.80	30.60
1	*2462.00	100.70 AV			1.25 V	16	70.10	30.60
2	2483.50	71.20 PK	74.00	-2.80	1.25 V	16	40.50	30.70
2	2483.50	52.20 AV	54.00	-1.80	1.25 V	16	21.50	30.70
3	3282.00	50.40 PK	74.00	-23.60	1.23 V	253	18.00	32.40
3	3282.00	44.20 AV	54.00	-9.80	1.23 V	253	11.80	32.40
4	4924.00	51.60 PK	74.00	-22.40	1.36 V	256	15.60	36.00
4	4924.00	41.50 AV	54.00	-12.50	1.36 V	256	5.50	36.00
5	9848.00	56.30 PK	74.00	-17.70	1.20 V	146	11.40	44.90
5	9848.00	42.30 AV	54.00	-11.70	1.20 V	146	-2.60	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.

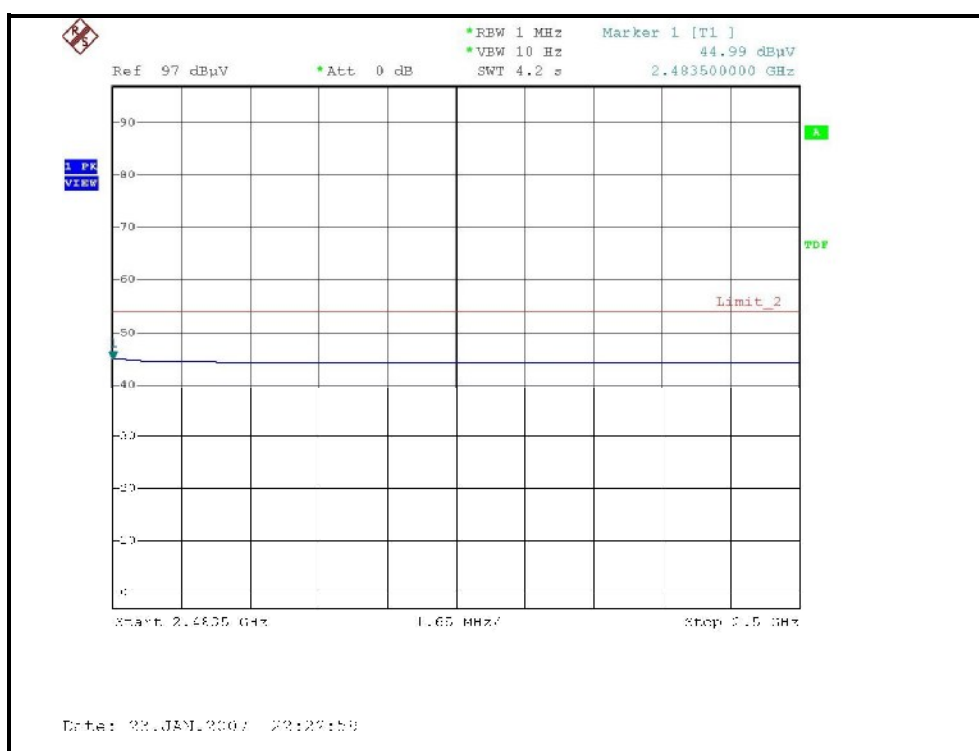
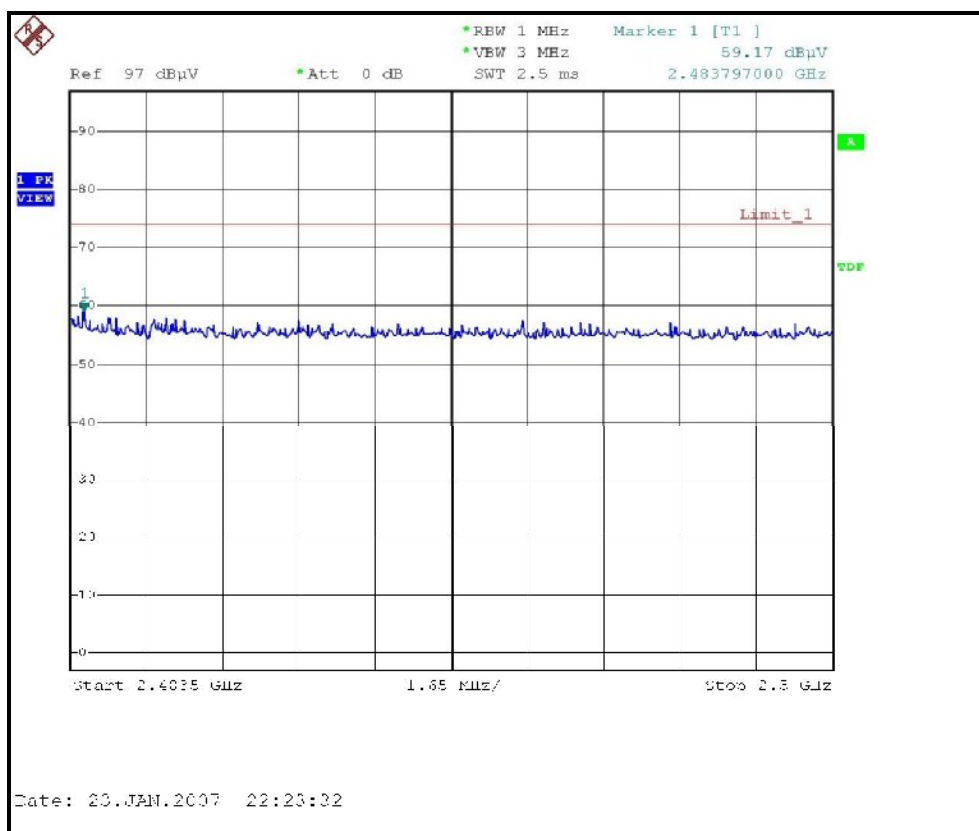
RESTRICTED BANDEDGE (802.11g MODE, CH1, HORIZONTAL)



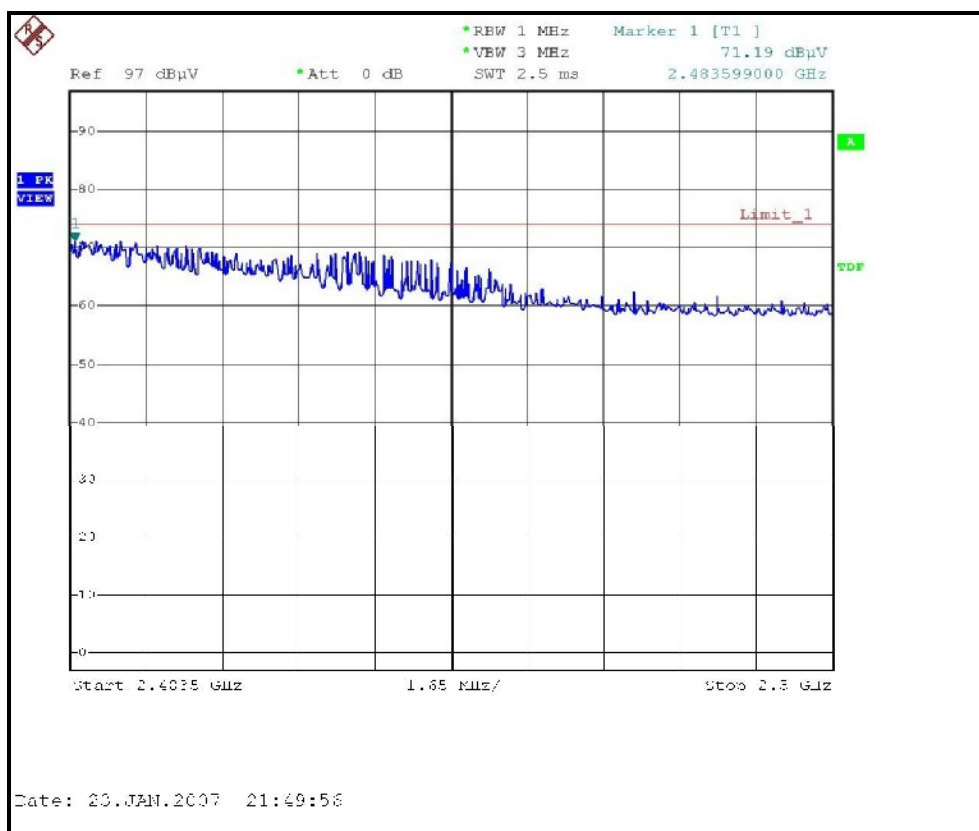
RESTRICTED BANDEDGE (802.11g MODE,CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE,CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE, CH11, VERTICAL)



DRAFT 802.11n (20MHz) OFDM MODULATION / DUAL TX: (ANTENNA 1 AND 2)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 74%RH, 971hPa	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	2390.00	59.80 PK	74.00	-14.20	1.25 H	200	29.50	30.30
1	2390.00	44.20 AV	54.00	-9.80	1.25 H	200	13.90	30.30
2	*2412.00	104.00 PK			1.25 H	200	73.60	30.40
2	*2412.00	92.10 AV			1.25 H	200	61.70	30.40
3	3216.00	43.60 PK	74.00	-30.40	1.36 H	48	11.30	32.30
3	3216.00	33.90 AV	54.00	-20.10	1.36 H	48	1.60	32.30
4	4824.00	38.50 PK	74.00	-35.50	1.33 H	345	2.80	35.70
4	4824.00	28.70 AV	54.00	-25.30	1.33 H	345	-7.00	35.70
5	9648.00	54.90 PK	74.00	-19.10	1.15 H	30	10.10	44.80
5	9648.00	40.90 AV	54.00	-13.10	1.15 H	30	-3.90	44.80

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	2389.98	71.30 PK	74.00	-2.70	1.26 V	3	41.00	30.30
1	2389.98	53.20 AV	54.00	-0.80	1.26 V	3	22.90	30.30
2	*2412.00	112.30 PK			1.26 V	3	81.90	30.40
2	*2412.00	99.80 AV			1.26 V	3	69.40	30.40
3	3216.00	48.30 PK	74.00	-25.70	1.15 V	80	16.00	32.30
3	3216.00	42.20 AV	54.00	-11.80	1.15 V	80	9.90	32.30
4	4824.00	49.50 PK	74.00	-24.50	1.18 V	51	13.80	35.70
4	4824.00	41.00 AV	54.00	-13.00	1.18 V	51	5.30	35.70
5	9648.00	55.00 PK	74.00	-19.00	1.00 V	22	10.20	44.80
5	9648.00	41.30 AV	54.00	-12.70	1.00 V	22	-3.50	44.80

- 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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 74%RH, 971hPa	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	*2437.00	104.40 PK			1.20 H	218	73.90	30.50
1	*2437.00	92.40 AV			1.20 H	218	61.90	30.50
2	3249.00	43.50 PK	74.00	-30.50	1.42 H	132	11.20	32.30
2	3249.00	33.60 AV	54.00	-20.40	1.42 H	132	1.30	32.30
3	4874.00	38.80 PK	74.00	-35.20	1.26 H	305	2.90	35.90
3	4874.00	29.20 AV	54.00	-24.80	1.26 H	305	-6.70	35.90
4	9748.00	55.20 PK	74.00	-18.80	1.28 H	72	10.30	44.90
4	9748.00	41.40 AV	54.00	-12.60	1.28 H	72	-3.50	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	*2437.00	112.50 PK			1.18 V	15	82.00	30.50
1	*2437.00	100.00 AV			1.18 V	15	69.50	30.50
2	3249.00	48.10 PK	74.00	-25.90	1.25 V	96	15.80	32.30
2	3249.00	42.00 AV	54.00	-12.00	1.25 V	96	9.70	32.30
3	4874.00	49.60 PK	74.00	-24.40	1.08 V	3	13.70	35.90
3	4874.00	41.50 AV	54.00	-12.50	1.08 V	3	5.60	35.90
4	9748.00	55.30 PK	74.00	-18.70	1.04 V	82	10.40	44.90
4	9748.00	41.60 AV	54.00	-12.40	1.04 V	82	-3.30	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.

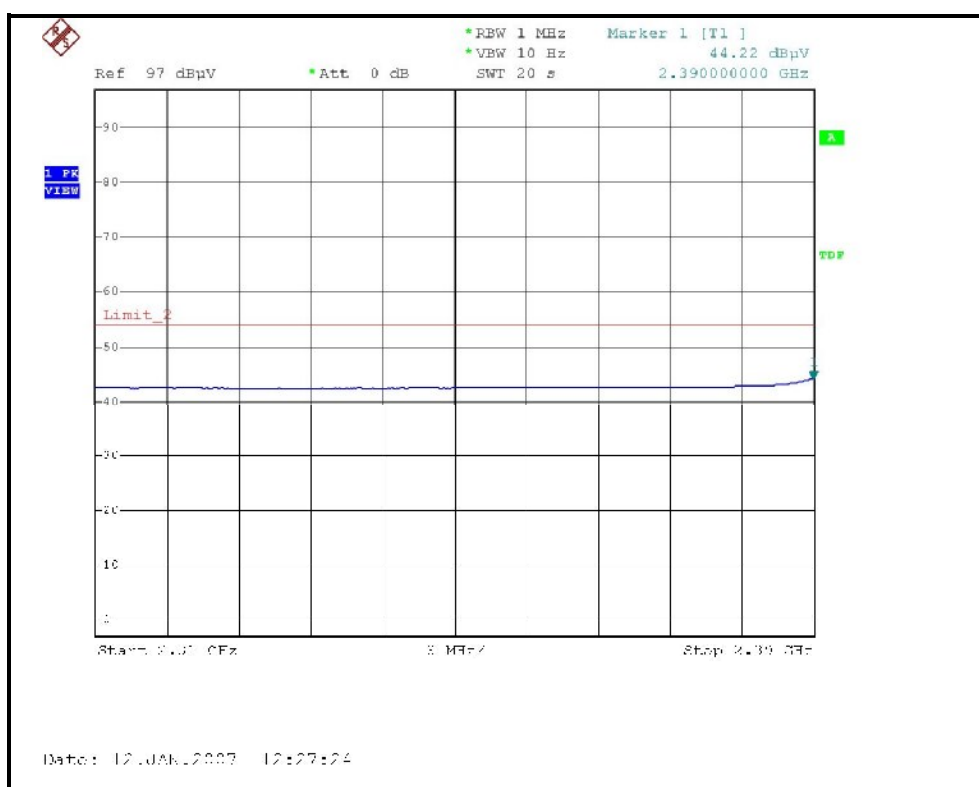
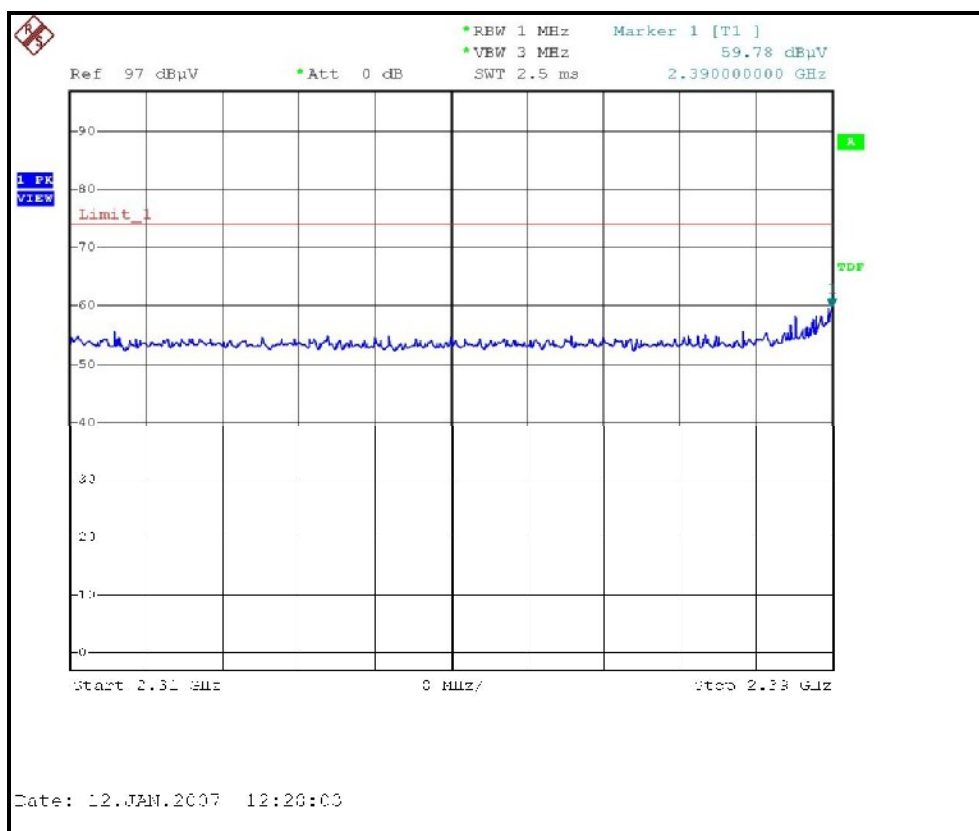
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 74%RH, 971hPa	TESTED BY	Sky Liao

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	*2462.00	104.70 PK			1.30 H	110	74.10	30.60
1	*2462.00	93.50 AV			1.30 H	110	62.90	30.60
2	2483.50	63.60 PK	74.00	-10.40	1.30 H	110	33.00	30.70
2	2483.50	46.40 AV	54.00	-7.60	1.30 H	110	15.70	30.70
3	3282.00	43.60 PK	74.00	-30.40	1.38 H	45	11.30	32.40
3	3282.00	33.60 AV	54.00	-20.40	1.38 H	45	1.30	32.40
4	4924.00	39.50 PK	74.00	-34.50	1.34 H	30	3.50	36.00
4	4924.00	49.10 AV	54.00	-4.90	1.34 H	30	13.10	36.00
5	9848.00	54.70 PK	74.00	-19.30	1.28 H	72	9.80	44.90
5	9848.00	40.90 AV	54.00	-13.10	1.28 H	72	-4.00	44.90

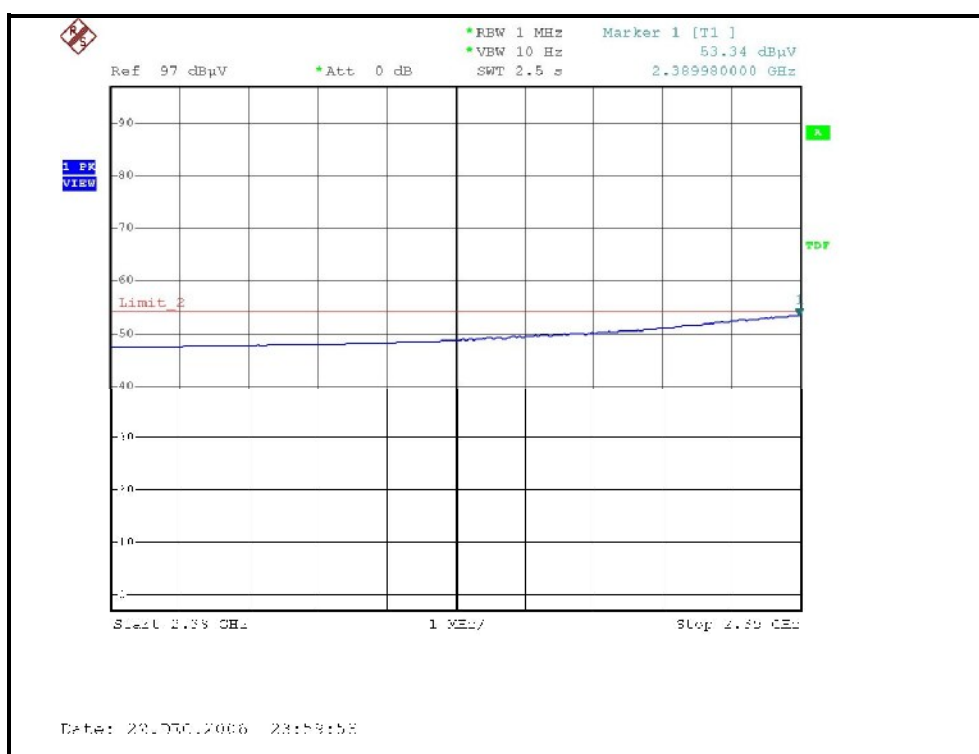
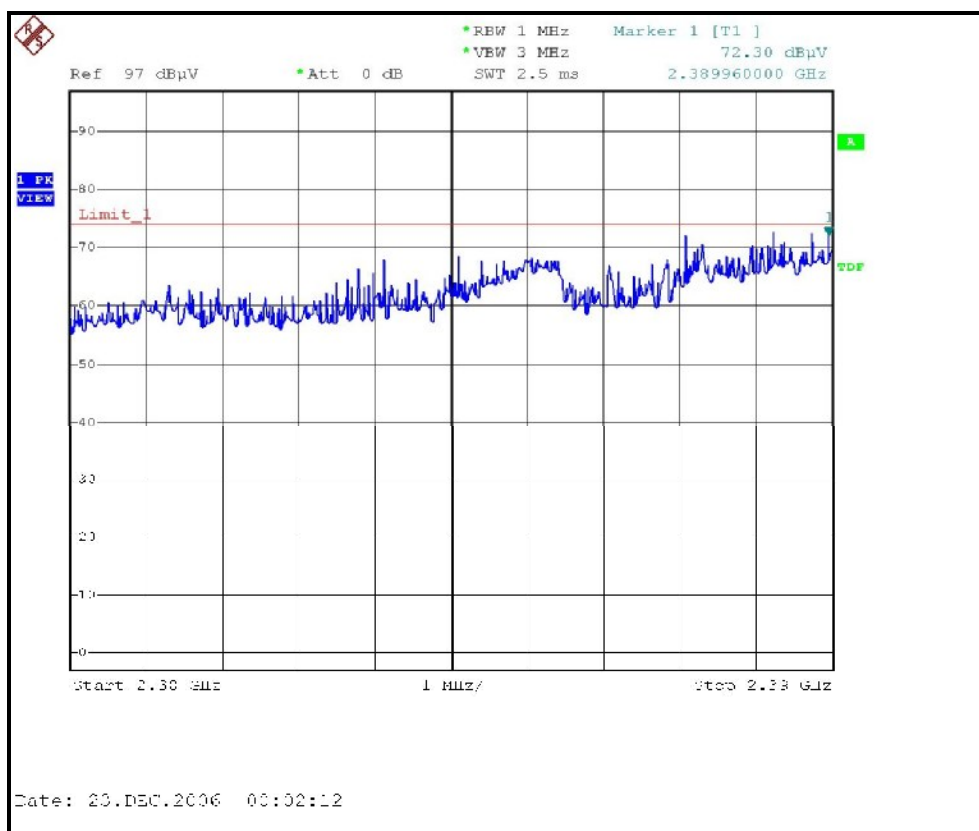
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.40 PK			1.00 V	16	80.80	30.60
1	*2462.00	99.20 AV			1.00 V	16	68.60	30.60
2	2483.50	71.30 PK	74.00	-2.70	1.00 V	16	40.60	30.70
2	2483.50	53.70 AV	54.00	-0.30	1.00 V	16	23.00	30.70
3	3282.00	47.20 PK	74.00	-26.80	1.02 V	108	14.90	32.40
3	3282.00	41.20 AV	54.00	-12.80	1.02 V	108	8.90	32.40
4	4924.00	49.60 PK	74.00	-24.40	1.05 V	38	13.60	36.00
4	4924.00	41.20 AV	54.00	-12.80	1.05 V	38	5.20	36.00
5	9848.00	54.70 PK	74.00	-19.30	1.07 V	85	9.80	44.90
5	9848.00	41.10 AV	54.00	-12.90	1.07 V	85	-3.80	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.

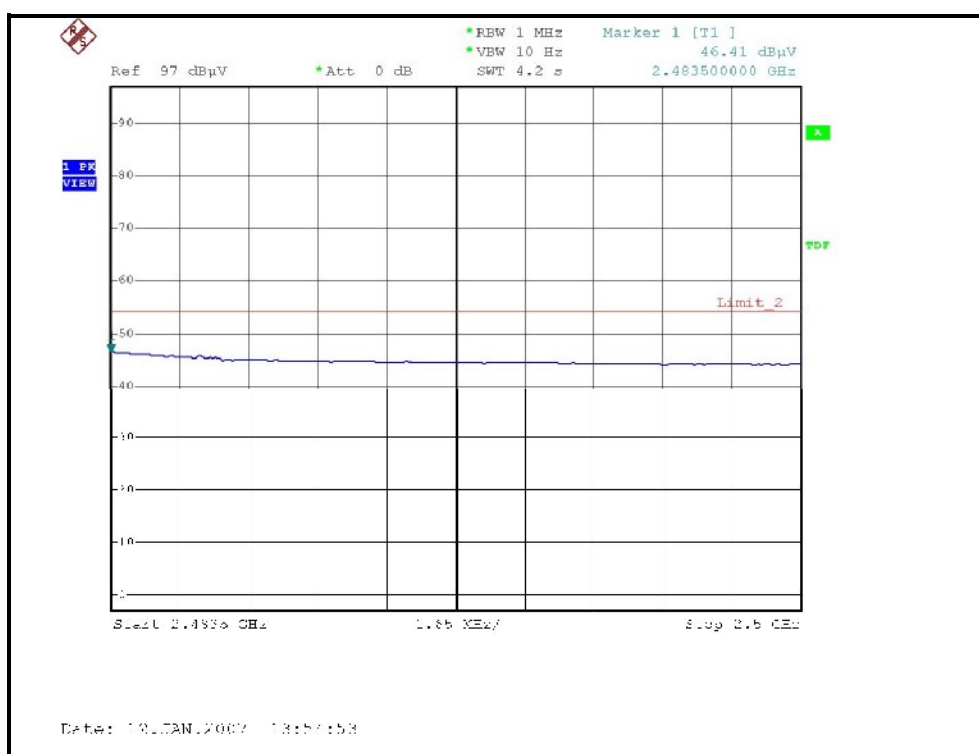
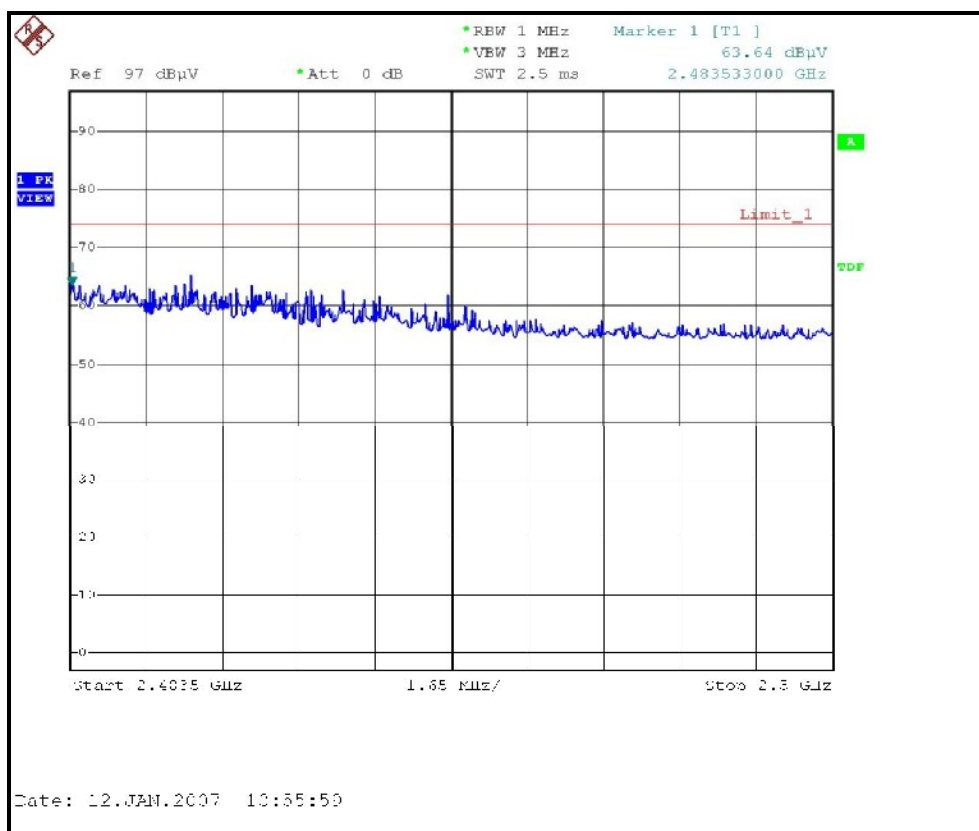
RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH1, HORIZONTAL)



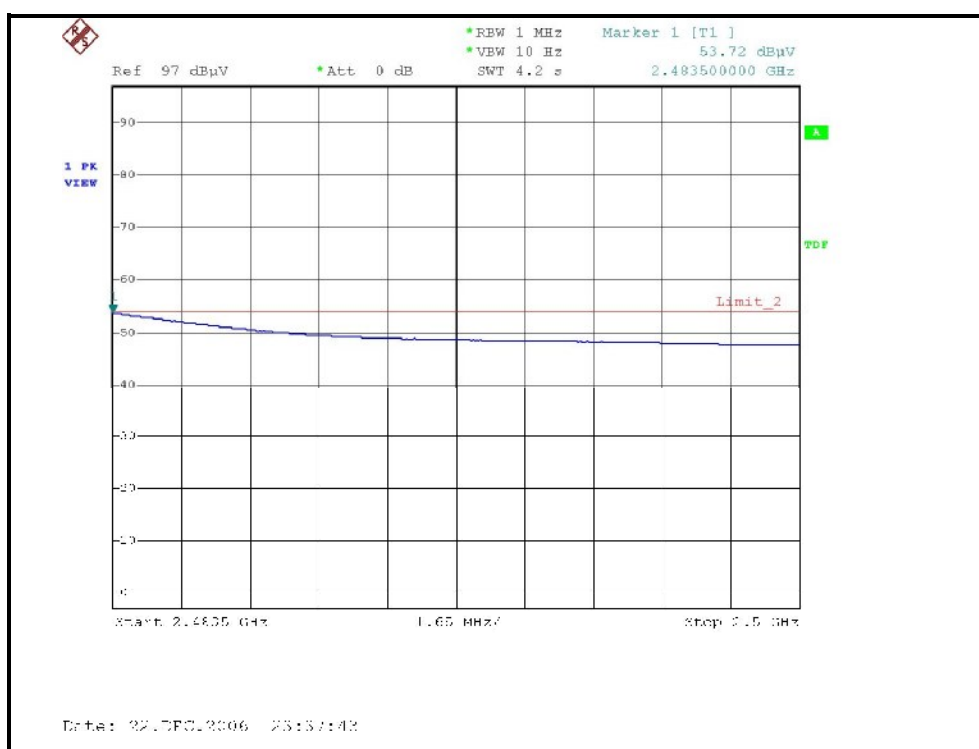
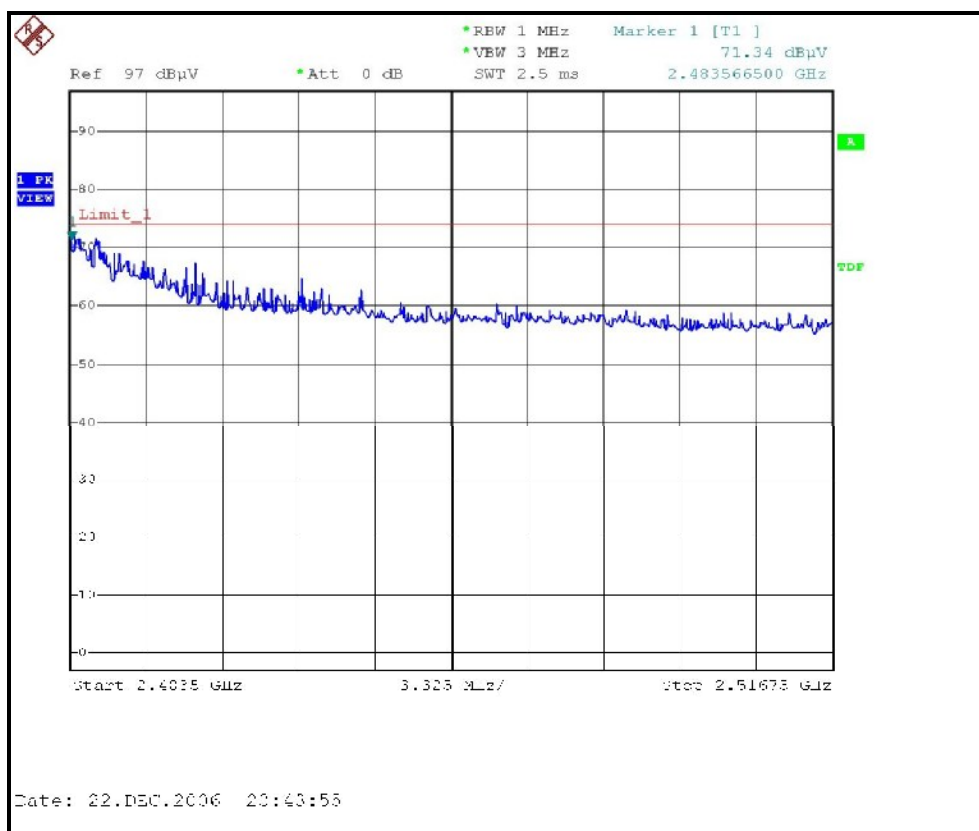
RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH1, VERTICAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH11, HORIZONTAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH11, VERTICAL)



DRAFT 802.11n (20MHz) OFDM MODULATION / DUAL TX: (ANTENNA 1 AND 3)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	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	2390.00	62.60 PK	74.00	-11.40	1.25 H	198	32.30	30.30
1	2390.00	45.60 AV	54.00	-8.40	1.25 H	198	15.30	30.30
2	*2412.00	106.20 PK			1.25 H	198	75.80	30.40
2	*2412.00	94.50 AV			1.25 H	198	64.10	30.40
3	3216.00	48.50 PK	74.00	-25.50	1.32 H	105	16.20	32.30
3	3216.00	38.30 AV	54.00	-15.70	1.32 H	105	6.00	32.30
4	4824.00	45.60 PK	74.00	-28.40	1.23 H	223	9.90	35.70
4	4824.00	35.00 AV	54.00	-19.00	1.23 H	223	-0.70	35.70
5	9648.00	44.80 PK	74.00	-29.20	1.12 H	162	0.00	44.80
5	9648.00	32.00 AV	54.00	-22.00	1.12 H	162	-12.80	44.80

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	2390.00	70.30 PK	74.00	-3.70	1.26 V	297	40.00	30.30
1	2390.00	52.50 AV	54.00	-1.50	1.26 V	297	22.20	30.30
2	*2412.00	116.70 PK			1.26 V	297	86.30	30.40
2	*2412.00	104.10 AV			1.26 V	297	73.70	30.40
3	3216.00	50.80 PK	74.00	-23.20	1.02 V	5	18.50	32.30
3	3216.00	45.20 AV	54.00	-8.80	1.02 V	5	12.90	32.30
4	4824.00	46.80 PK	74.00	-27.20	1.05 V	154	11.10	35.70
4	4824.00	36.80 AV	54.00	-17.20	1.05 V	154	1.10	35.70
5	9648.00	45.80 PK	74.00	-28.20	1.26 V	166	1.00	44.80
5	9648.00	33.20 AV	54.00	-20.80	1.26 V	166	-11.60	44.80

- 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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	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	*2437.00	106.40 PK			1.24 H	236	75.90	30.50
1	*2437.00	95.10 AV			1.24 H	236	64.60	30.50
2	3249.00	46.20 PK	74.00	-27.80	1.14 H	230	13.90	32.30
2	3249.00	33.20 AV	54.00	-20.80	1.14 H	230	0.90	32.30
3	4874.00	41.50 PK	74.00	-32.50	1.24 H	112	5.60	35.90
3	4874.00	31.10 AV	54.00	-22.90	1.24 H	112	-4.80	35.90
4	9748.00	55.20 PK	74.00	-18.80	1.14 H	203	10.30	44.90
4	9748.00	42.10 AV	54.00	-11.90	1.14 H	203	-2.80	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	*2437.00	116.80 PK			1.25 V	114	86.30	30.50
1	*2437.00	104.50 AV			1.25 V	114	74.00	30.50
2	3249.00	47.20 PK	74.00	-26.80	1.12 V	140	14.90	32.30
2	3249.00	42.30 AV	54.00	-11.70	1.12 V	140	10.00	32.30
3	4874.00	50.20 PK	74.00	-23.80	1.15 V	23	14.30	35.90
3	4874.00	42.30 AV	54.00	-11.70	1.15 V	23	6.40	35.90
4	9748.00	56.20 PK	74.00	-17.80	1.12 V	223	11.30	44.90
4	9748.00	43.50 AV	54.00	-10.50	1.12 V	223	-1.40	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.

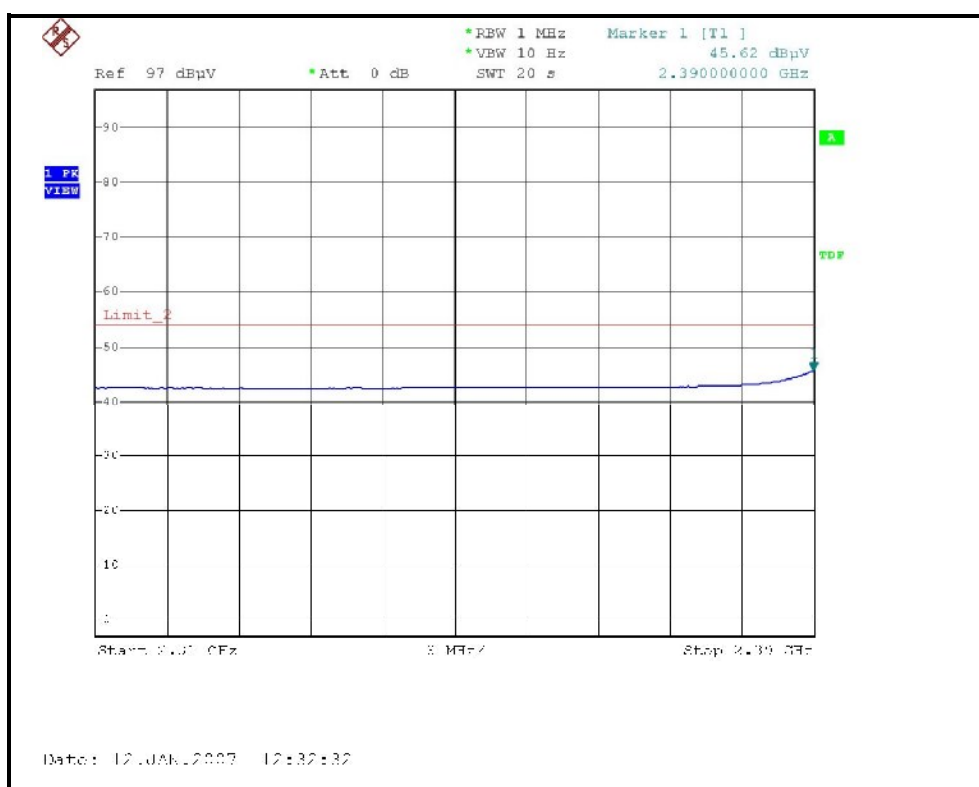
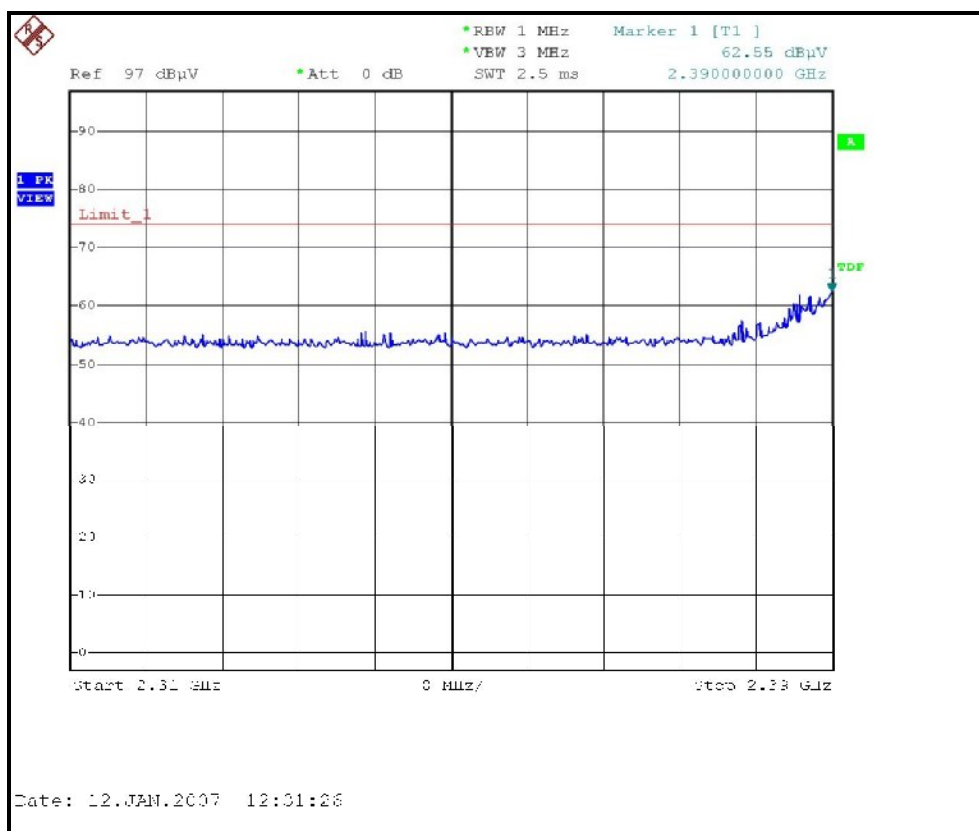
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Sky Liao

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	*2462.00	106.00 PK			1.26 H	110	75.40	30.60
1	*2462.00	94.20 AV			1.26 H	110	63.60	30.60
2	2483.50	66.40 PK	74.00	-7.60	1.26 H	110	35.70	30.70
2	2483.50	47.40 AV	54.00	-6.60	1.26 H	110	16.70	30.70
3	3282.00	48.20 PK	74.00	-25.80	1.06 H	2	15.80	32.40
3	3282.00	38.00 AV	54.00	-16.00	1.06 H	2	5.60	32.40
4	4924.00	45.20 PK	74.00	-28.80	1.02 H	102	9.20	36.00
4	4924.00	34.60 AV	54.00	-19.40	1.02 H	102	-1.40	36.00
5	9848.00	44.40 PK	74.00	-29.60	1.18 H	84	-0.50	44.90
5	9848.00	30.60 AV	54.00	-23.40	1.18 H	84	-14.30	44.90

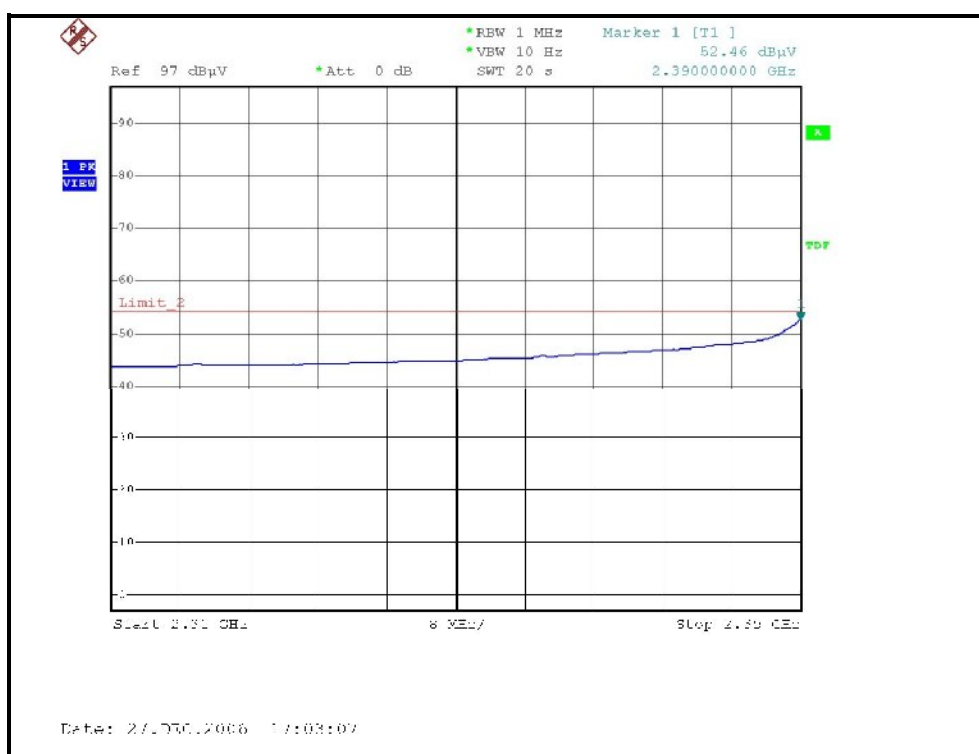
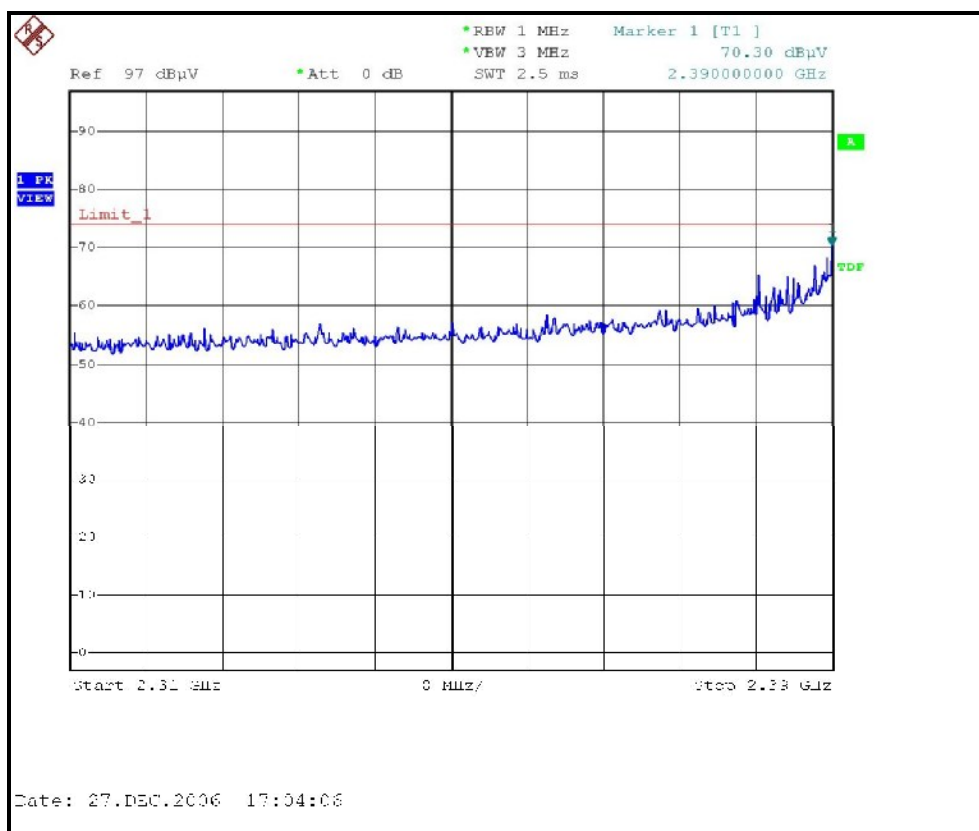
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.60 PK			1.22 V	294	84.00	30.60
1	*2462.00	102.10 AV			1.22 V	294	71.50	30.60
2	2483.50	69.20 PK	74.00	-4.80	1.22 V	294	38.50	30.70
2	2483.50	53.40 AV	54.00	-0.60	1.22 V	294	22.70	30.70
3	3282.00	50.20 PK	74.00	-23.80	1.20 V	204	17.80	32.40
3	3282.00	44.40 AV	54.00	-9.60	1.20 V	204	12.00	32.40
4	4924.00	46.20 PK	74.00	-27.80	1.14 V	284	10.20	36.00
4	4924.00	36.00 AV	54.00	-18.00	1.14 V	284	0.00	36.00
5	9848.00	45.00 PK	74.00	-29.00	1.26 V	196	0.10	44.90
5	9848.00	33.00 AV	54.00	-21.00	1.26 V	196	-11.90	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.

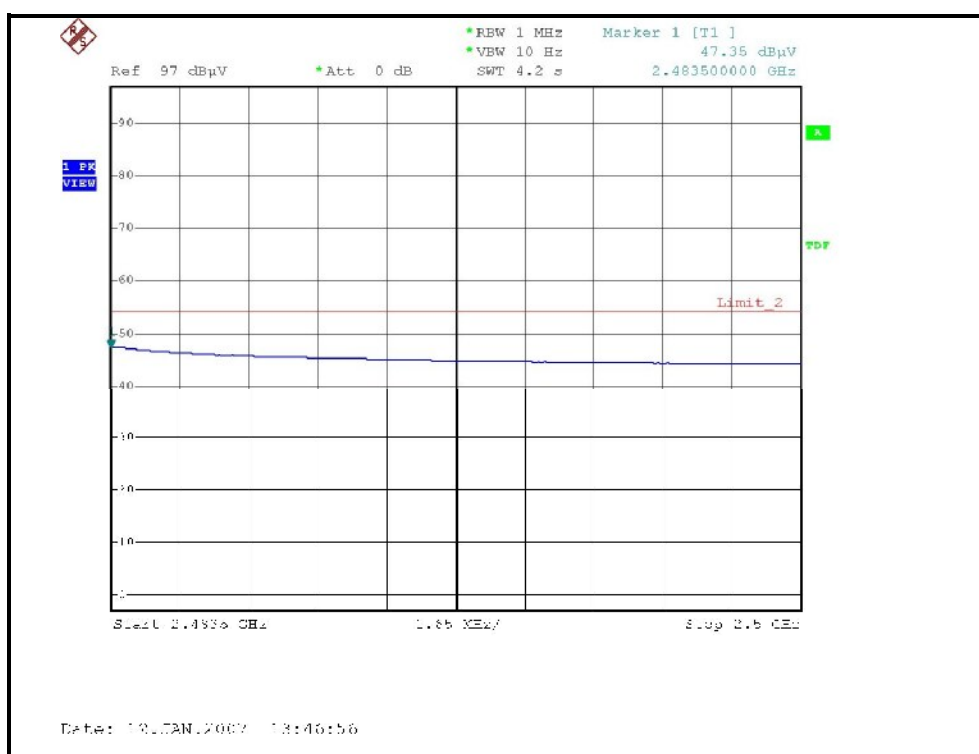
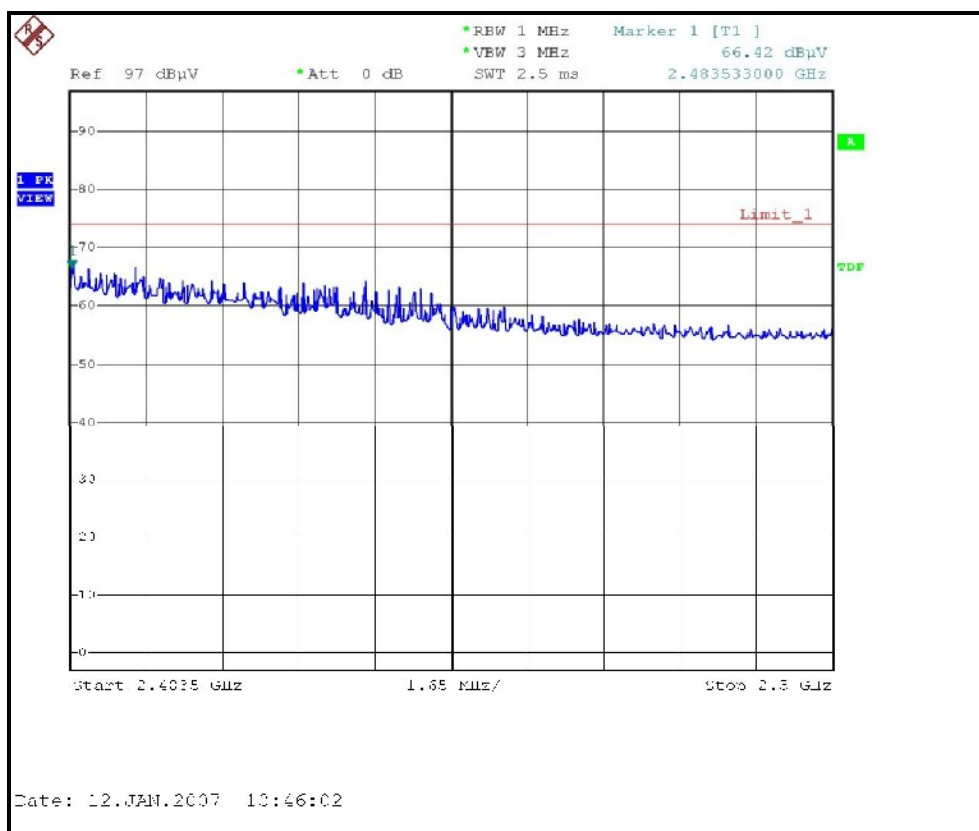
RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH1, HORIZONTAL)



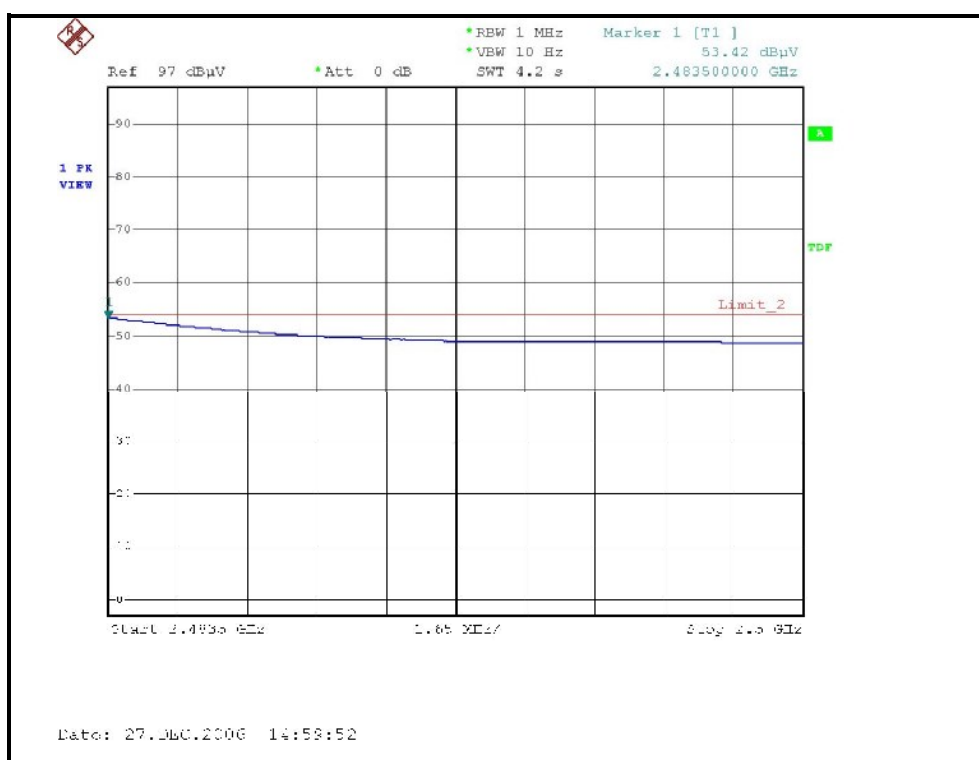
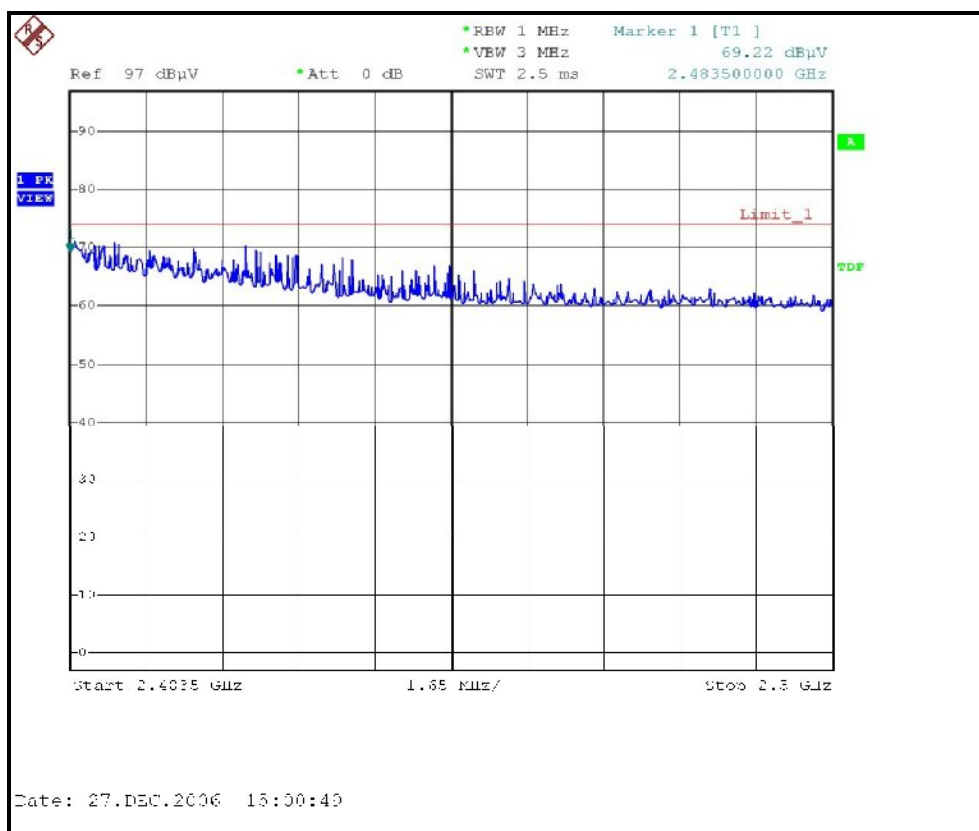
RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH1, VERTICAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH11, HORIZONTAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (20MHz) MODE,CH11, VERTICAL)



DRAFT 802.11n (40MHz) OFDM MODULATION / DUAL TX: (ANTENNA 1 AND 2)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	13.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	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	2390.00	62.40 PK	74.00	-11.60	1.32 H	208	32.10	30.30
1	2390.00	45.50 AV	54.00	-8.50	1.32 H	208	15.30	30.30
2	*2422.00	104.50 PK			1.32 H	208	74.10	30.40
2	*2422.00	92.80 AV			1.32 H	208	62.40	30.40
3	3229.28	48.00 PK	74.00	-26.00	1.40 H	325	15.70	32.30
3	3229.28	37.60 AV	54.00	-16.40	1.40 H	325	5.30	32.30
4	4844.00	34.40 PK	74.00	-39.60	1.40 H	245	-1.40	35.80
4	4844.00	45.30 AV	54.00	-8.70	1.40 H	245	9.50	35.80
5	9688.00	44.10 PK	74.00	-29.90	1.25 H	40	-0.70	44.80
5	9688.00	30.60 AV	54.00	-23.40	1.25 H	40	-14.20	44.80

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	2390.00	69.40 PK	74.00	-4.60	1.06 V	196	39.10	30.30
1	2390.00	53.60 AV	54.00	-0.40	1.06 V	196	23.30	30.30
2	*2422.00	112.30 PK			1.06 V	196	81.90	30.40
2	*2422.00	98.60 AV			1.06 V	196	68.20	30.40
3	3229.28	50.00 PK	74.00	-24.00	1.10 V	205	17.70	32.30
3	3229.28	44.10 AV	54.00	-9.90	1.10 V	205	11.80	32.30
4	4844.00	46.90 PK	74.00	-27.10	1.05 V	345	11.10	35.80
4	4844.00	36.60 AV	54.00	-17.40	1.05 V	345	0.80	35.80
5	9688.00	45.00 PK	74.00	-29.00	1.04 V	202	0.20	44.80
5	9688.00	32.00 AV	54.00	-22.00	1.04 V	202	-12.80	44.80

- 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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	13.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	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	*2437.00	104.80 PK			1.36 H	223	74.30	30.50
1	*2437.00	92.30 AV			1.36 H	223	61.80	30.50
2	3249.00	45.60 PK	74.00	-28.40	1.24 H	113	13.30	32.30
2	3249.00	34.60 AV	54.00	-19.40	1.24 H	113	2.30	32.30
3	4874.00	41.20 PK	74.00	-32.80	1.28 H	230	5.30	35.90
3	4874.00	30.40 AV	54.00	-23.60	1.28 H	230	-5.50	35.90
4	9748.00	53.70 PK	74.00	-20.30	1.10 H	143	8.80	44.90
4	9748.00	42.60 AV	54.00	-11.40	1.10 H	143	-2.30	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	*2437.00	112.40 PK			1.10 V	195	81.90	30.50
1	*2437.00	98.20 AV			1.10 V	195	67.70	30.50
2	3249.00	48.50 PK	74.00	-25.50	1.38 V	40	16.20	32.30
2	3249.00	42.50 AV	54.00	-11.50	1.38 V	40	10.20	32.30
3	4874.00	52.60 PK	74.00	-21.40	1.12 V	286	16.70	35.90
3	4874.00	43.20 AV	54.00	-10.80	1.12 V	286	7.30	35.90
4	9748.00	54.50 PK	74.00	-19.50	1.04 V	123	9.60	44.90
4	9748.00	43.60 AV	54.00	-10.40	1.04 V	123	-1.30	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.

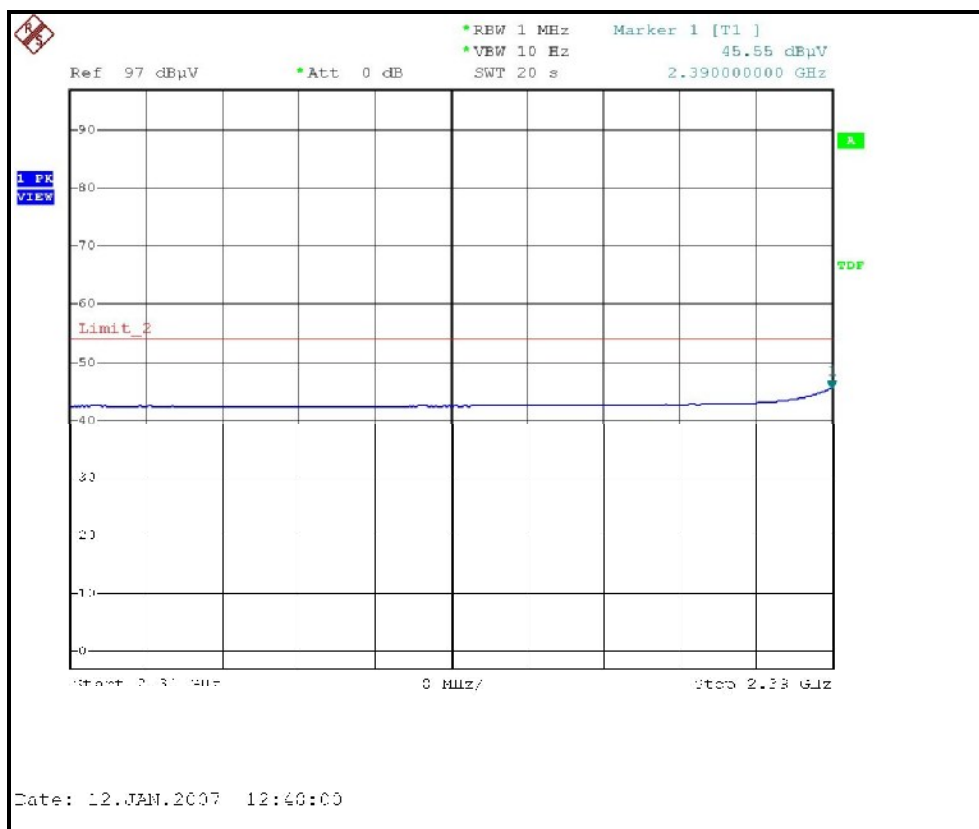
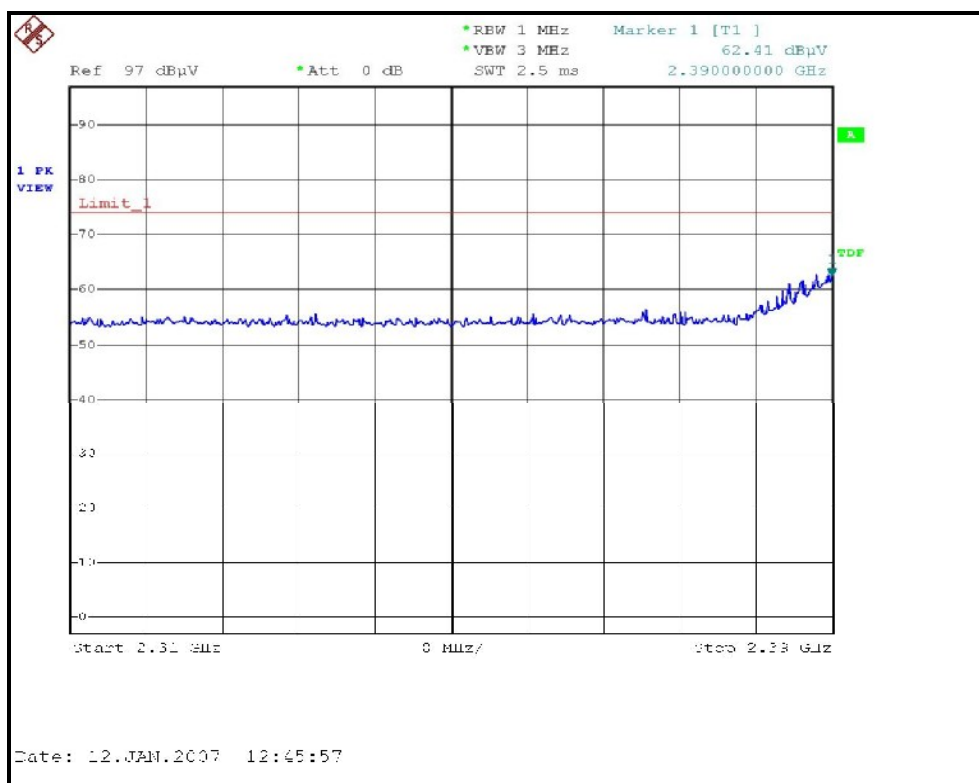
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	13.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	TESTED BY	Sky Liao

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	*2452.00	105.00 PK			1.38 H	102	74.40	30.60
1	*2452.00	93.80 AV			1.38 H	102	63.20	30.60
2	2483.50	64.20 PK	74.00	-9.80	1.38 H	102	33.50	30.70
2	2483.50	46.40 AV	54.00	-7.60	1.38 H	102	15.70	30.70
3	3269.30	47.20 PK	74.00	-26.80	1.14 H	127	14.90	32.30
3	3269.30	37.20 AV	54.00	-16.80	1.14 H	127	4.90	32.30
4	4904.00	54.00 PK	74.00	-20.00	1.05 H	156	18.00	36.00
4	4904.00	44.80 AV	54.00	-9.20	1.05 H	156	8.80	36.00
5	9808.00	44.00 PK	74.00	-30.00	1.07 H	104	-0.90	44.90
5	9808.00	30.00 AV	54.00	-24.00	1.07 H	104	-14.90	44.90

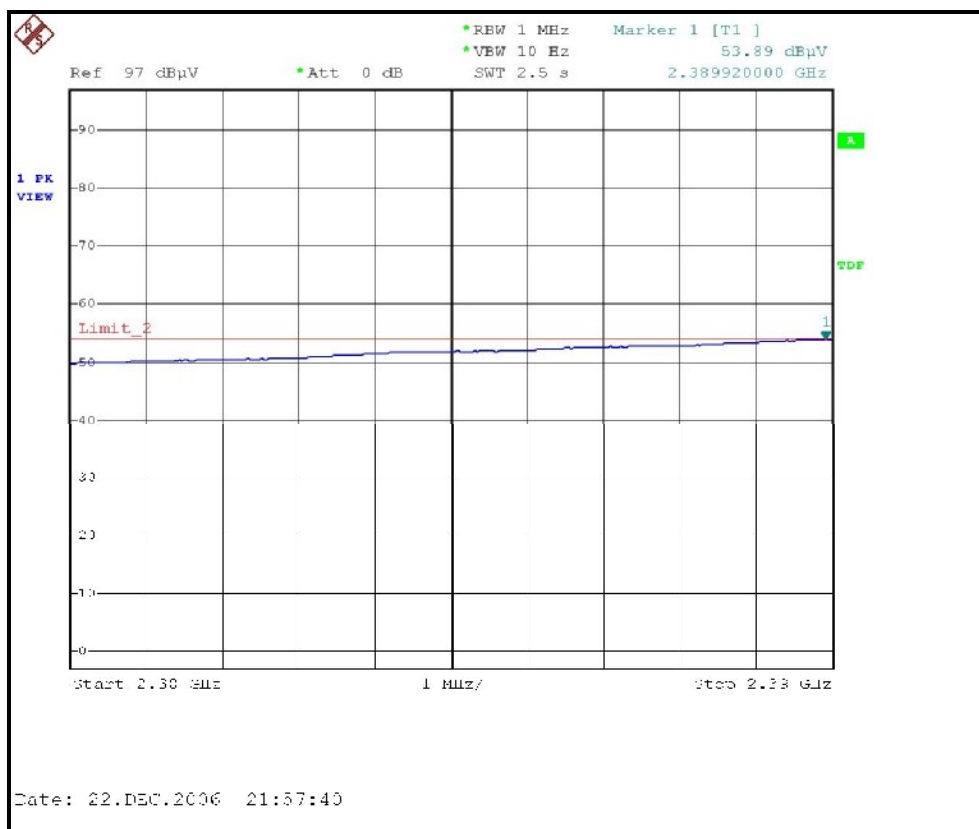
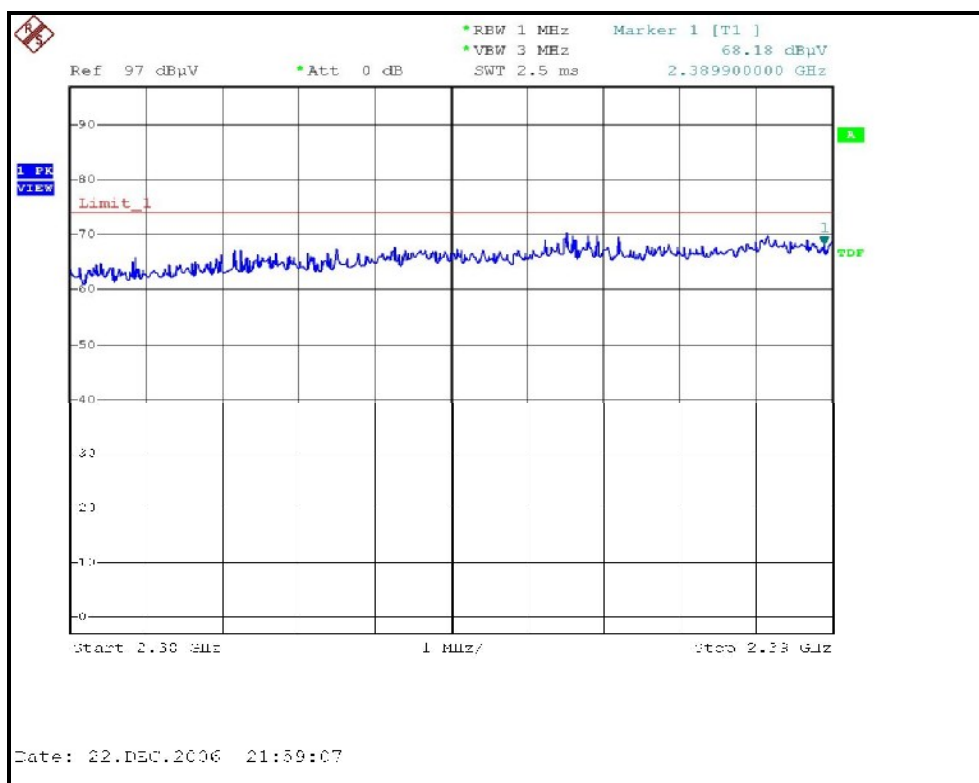
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	111.60 PK			1.26 V	58	81.00	30.60
1	*2452.00	97.90 AV			1.26 V	58	67.30	30.60
2	2483.50	68.00 PK	74.00	-6.00	1.26 V	58	37.30	30.70
2	2483.50	53.60 AV	54.00	-0.40	1.26 V	58	22.90	30.70
3	3269.30	50.40 PK	74.00	-23.60	1.05 V	80	18.10	32.30
3	3269.30	43.80 AV	54.00	-10.20	1.05 V	80	11.50	32.30
4	4904.00	46.50 PK	74.00	-27.50	1.03 V	275	10.50	36.00
4	4904.00	36.00 AV	54.00	-18.00	1.03 V	275	0.00	36.00
5	9808.00	45.20 PK	74.00	-28.80	1.14 V	206	0.30	44.90
5	9808.00	32.20 AV	54.00	-21.80	1.14 V	206	-12.70	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.

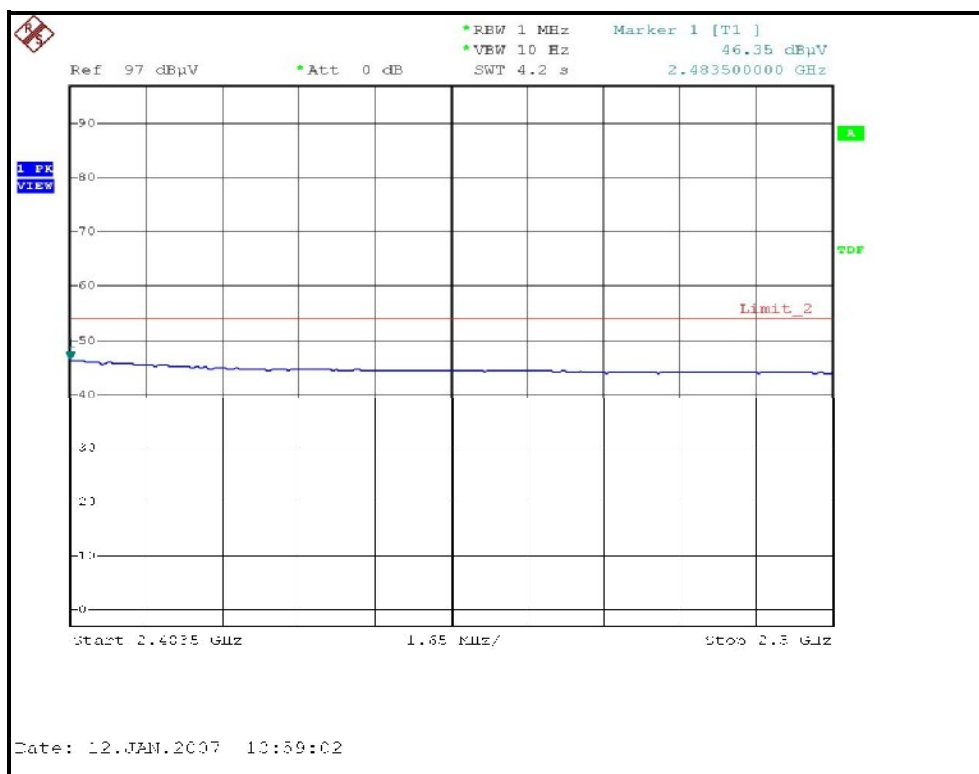
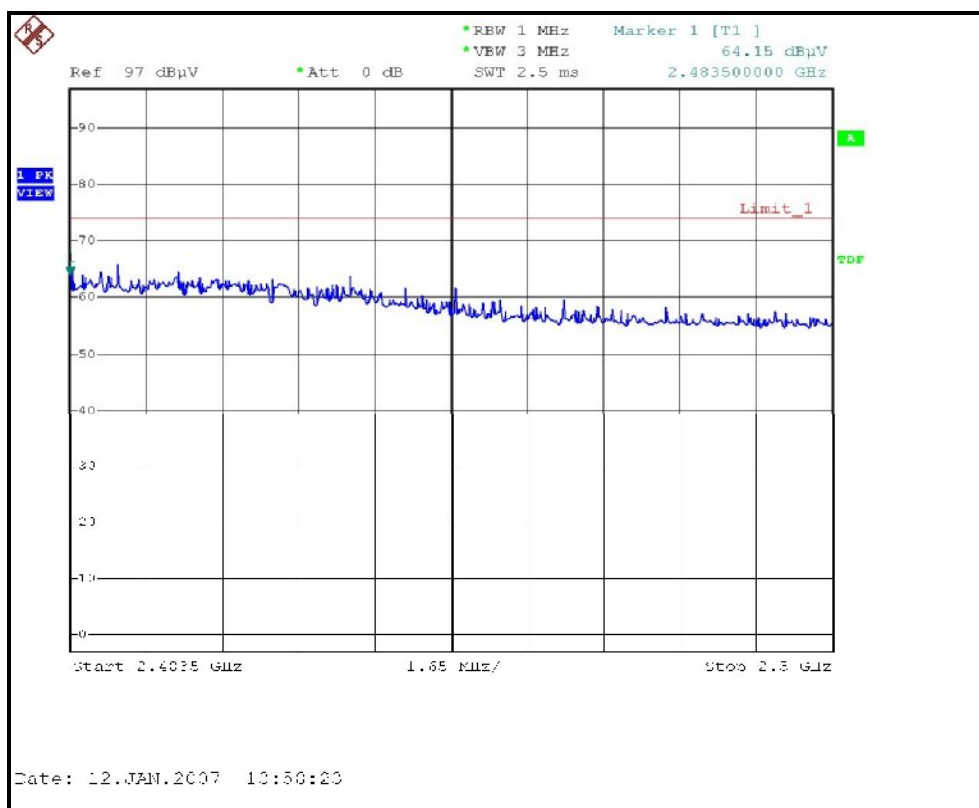
RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH1, HORIZONTAL)



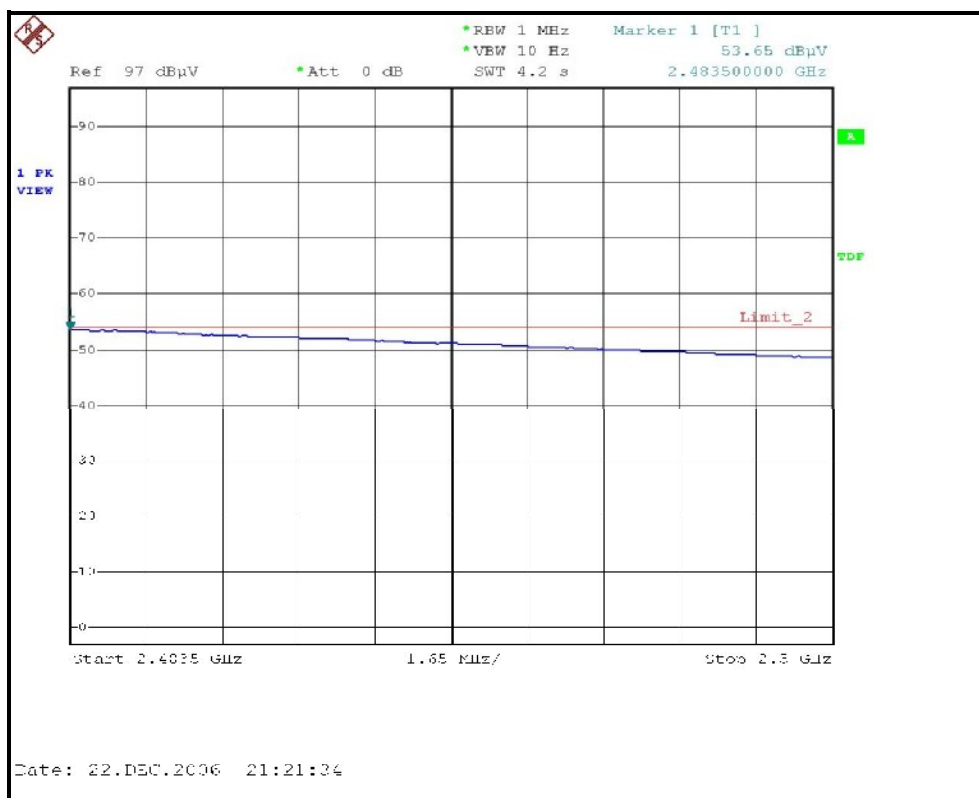
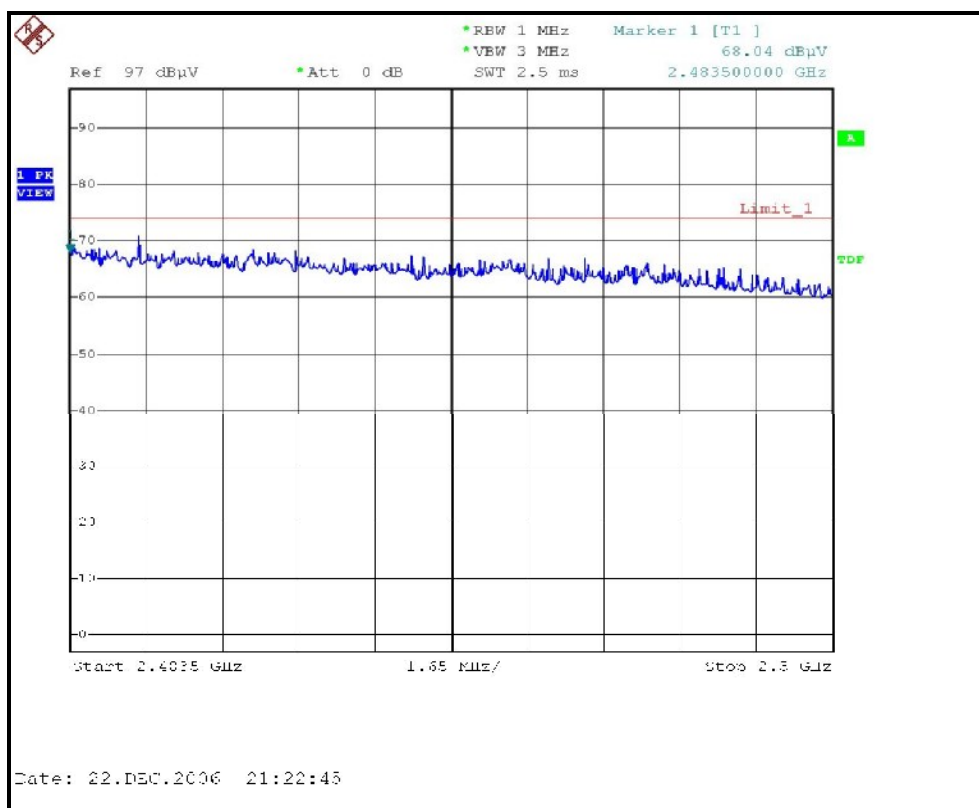
RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH1, VERTICAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH7, HORIZONTAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH7, VERTICAL)



DRAFT 802.11n (40MHz) OFDM MODULATION / DUAL TX: (ANTENNA 1 AND 3)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	13.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	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	2390.00	62.20 PK	74.00	-11.80	1.38 H	225	31.90	30.30
1	2390.00	45.50 AV	54.00	-8.50	1.38 H	225	15.20	30.30
2	*2422.00	103.80 PK			1.38 H	225	73.40	30.40
2	*2422.00	92.40 AV			1.38 H	225	62.00	30.40
3	3229.30	48.20 PK	74.00	-25.80	1.14 H	208	15.90	32.30
3	3229.30	37.90 AV	54.00	-16.10	1.14 H	208	5.60	32.30
4	4844.00	45.00 PK	74.00	-29.00	1.26 H	236	9.20	35.80
4	4844.00	34.20 AV	54.00	-19.80	1.26 H	236	-1.60	35.80
5	9688.00	44.30 PK	74.00	-29.70	1.12 H	243	-0.50	44.80
5	9688.00	30.20 AV	54.00	-23.80	1.12 H	243	-14.60	44.80

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	2390.00	68.00 PK	74.00	-6.00	1.25 V	90	37.70	30.30
1	2390.00	53.70 AV	54.00	-0.30	1.25 V	90	23.40	30.30
2	*2422.00	110.80 PK			1.25 V	90	80.40	30.40
2	*2422.00	97.70 AV			1.25 V	90	67.30	30.40
3	3229.30	50.40 PK	74.00	-23.60	1.22 V	328	18.10	32.30
3	3229.30	44.60 AV	54.00	-9.40	1.22 V	328	12.30	32.30
4	4844.00	46.50 PK	74.00	-27.50	1.08 V	306	10.70	35.80
4	4844.00	36.20 AV	54.00	-17.80	1.08 V	306	0.40	35.80
5	9688.00	45.20 PK	74.00	-28.80	1.04 V	112	0.40	44.80
5	9688.00	32.50 AV	54.00	-21.50	1.04 V	112	-12.30	44.80

- 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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	13.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 63%RH, 971hPa	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	*2437.00	104.30 PK			1.28 H	236	73.80	30.50
1	*2437.00	92.80 AV			1.28 H	236	62.30	30.50
2	3249.00	46.20 PK	74.00	-27.80	1.42 H	123	13.90	32.30
2	3249.00	34.50 AV	54.00	-19.50	1.42 H	123	2.20	32.30
3	4874.00	41.20 PK	74.00	-32.80	1.12 H	142	5.30	35.90
3	4874.00	30.80 AV	54.00	-23.20	1.12 H	142	-5.10	35.90
4	9748.00	53.90 PK	74.00	-20.10	1.02 H	114	9.00	44.90
4	9748.00	42.30 AV	54.00	-11.70	1.02 H	114	-2.60	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	*2437.00	111.40 PK			1.23 V	299	80.90	30.50
1	*2437.00	98.20 AV			1.23 V	299	67.70	30.50
2	3249.00	49.50 PK	74.00	-24.50	1.23 V	228	17.20	32.30
2	3249.00	42.60 AV	54.00	-11.40	1.23 V	228	10.30	32.30
3	4874.00	53.20 PK	74.00	-20.80	1.18 V	226	17.30	35.90
3	4874.00	44.20 AV	54.00	-9.80	1.18 V	226	8.30	35.90
4	9748.00	55.20 PK	74.00	-18.80	1.16 V	326	10.30	44.90
4	9748.00	43.90 AV	54.00	-10.10	1.16 V	326	-1.00	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.

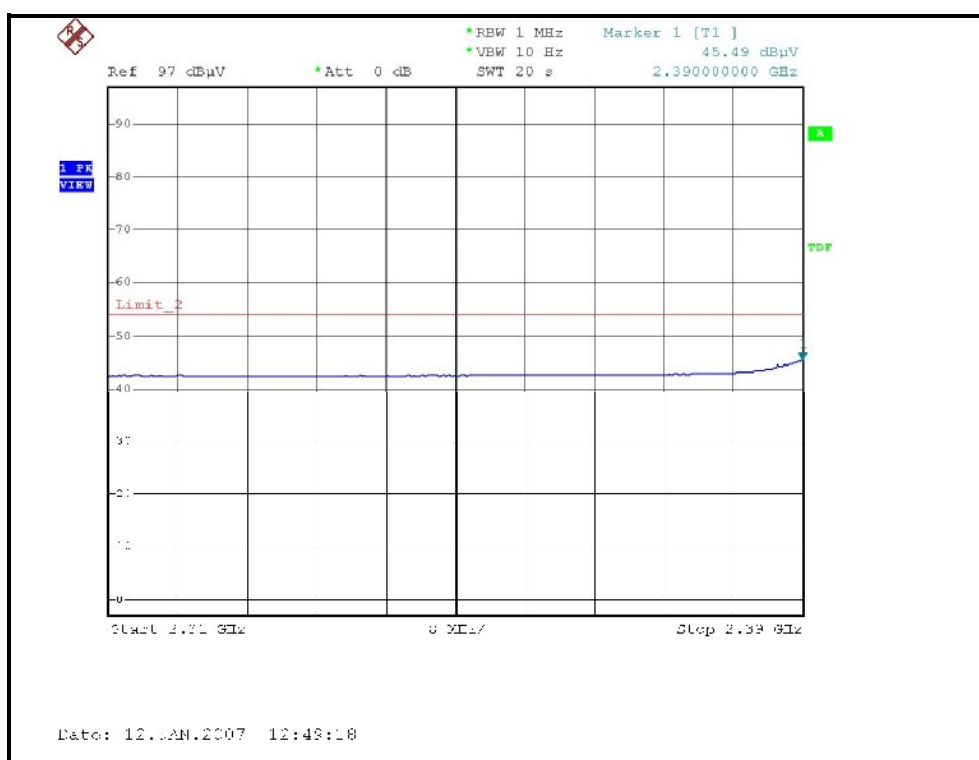
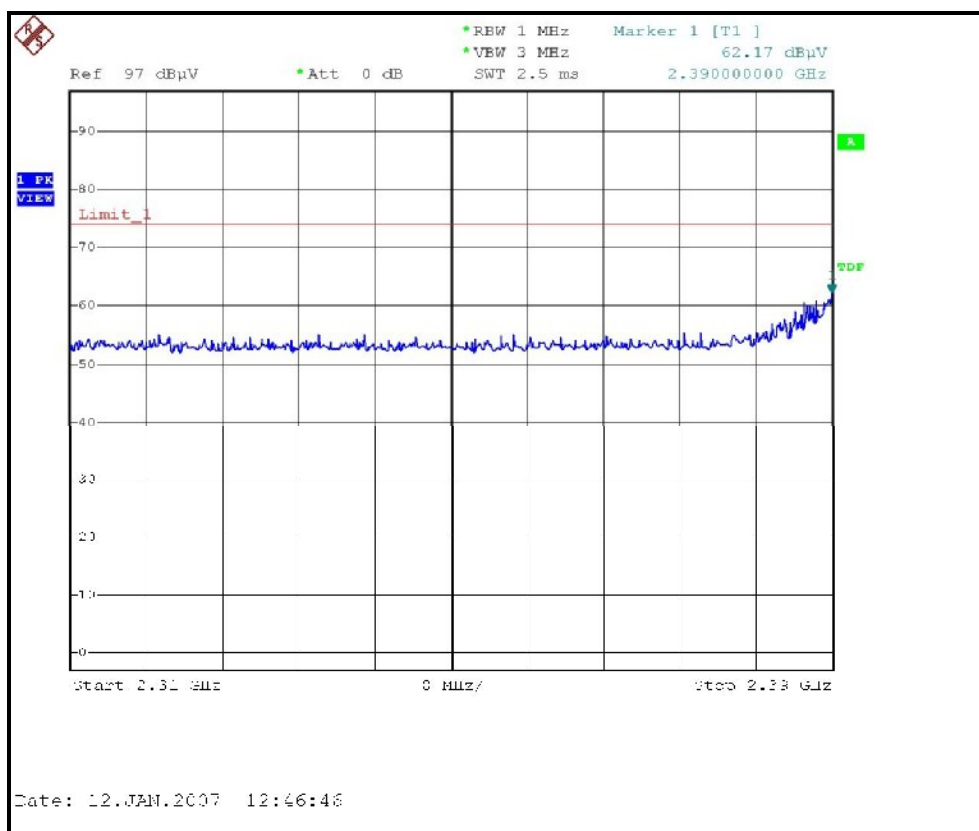
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	13.5Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 70%RH, 971hPa	TESTED BY	Wen Yu

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	*2452.00	105.20 PK			1.12 H	258	74.60	30.60
1	*2452.00	93.50 AV			1.12 H	258	62.90	30.60
2	2483.50	63.80 PK	74.00	-10.20	1.12 H	258	33.10	30.70
2	2483.50	46.20 AV	54.00	-7.80	1.12 H	258	15.50	30.70
3	3269.30	47.20 PK	74.00	-26.80	1.02 H	200	14.90	32.30
3	3269.30	36.20 AV	54.00	-17.80	1.02 H	200	3.90	32.30
4	4904.00	44.20 PK	74.00	-29.80	1.05 H	323	8.20	36.00
4	4904.00	33.20 AV	54.00	-20.80	1.05 H	323	-2.80	36.00
5	9808.00	43.40 PK	74.00	-30.60	1.18 H	265	-1.50	44.90
5	9808.00	30.40 AV	54.00	-23.60	1.18 H	265	-14.50	44.90

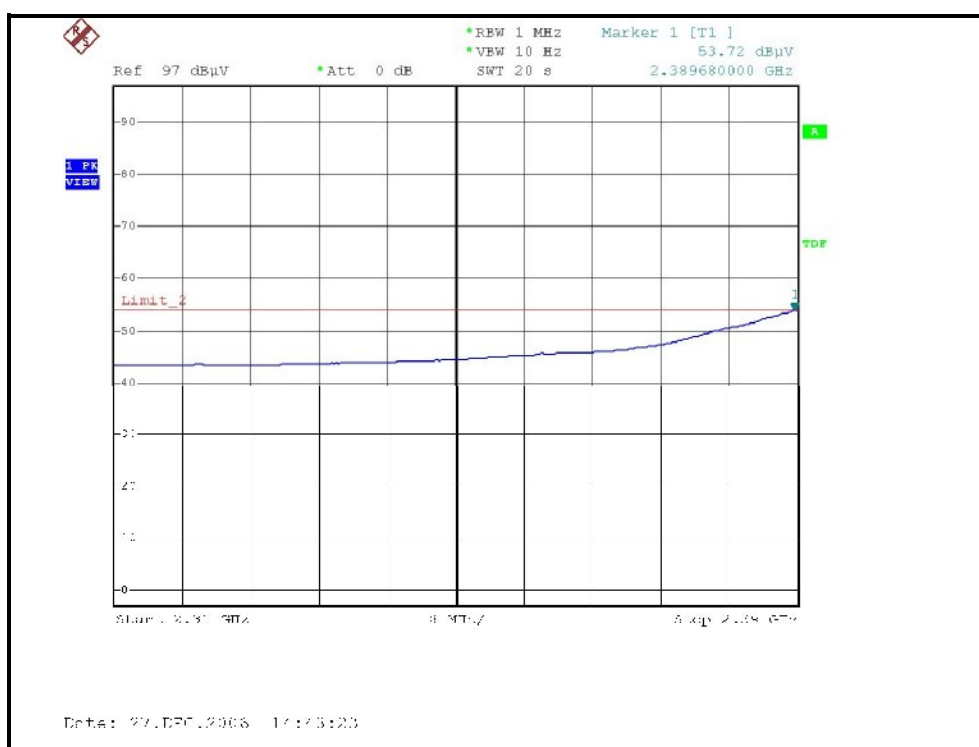
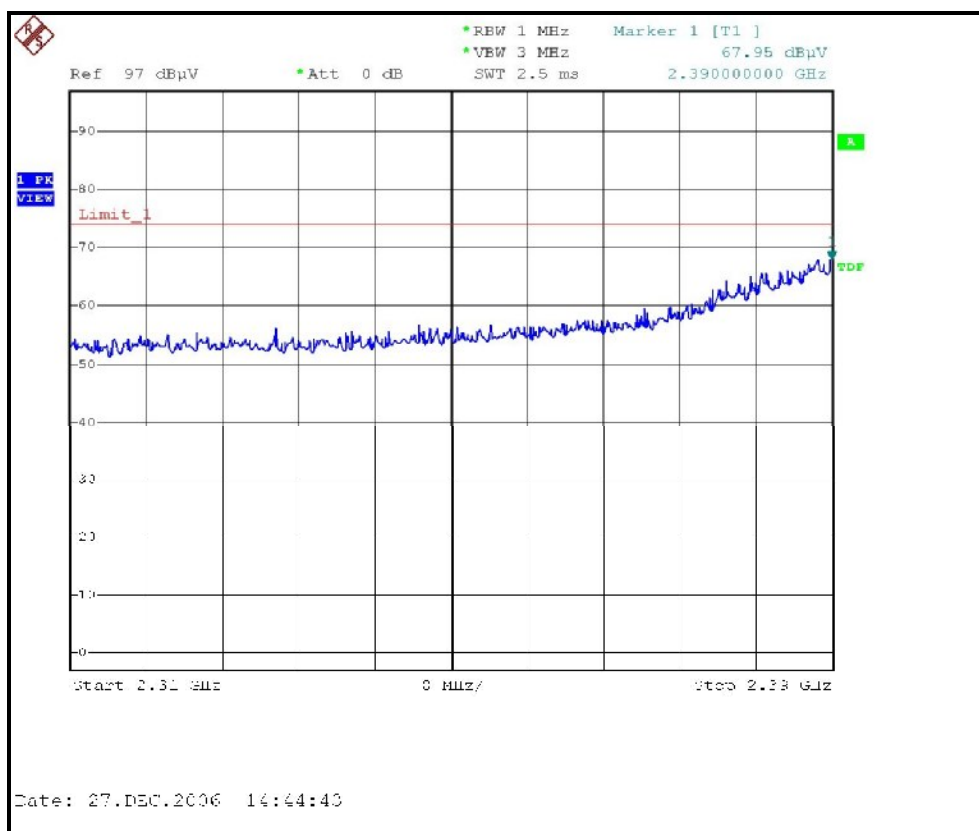
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	110.00 PK			1.22 V	302	79.40	30.60
1	*2452.00	97.10 AV			1.22 V	302	66.50	30.60
2	2483.50	67.20 PK	74.00	-6.80	1.22 V	302	36.50	30.70
2	2483.50	53.30 AV	54.00	-0.70	1.22 V	302	22.60	30.70
3	3269.30	50.00 PK	74.00	-24.00	1.02 V	306	17.70	32.30
3	3269.30	44.20 AV	54.00	-9.80	1.02 V	306	11.90	32.30
4	4904.00	45.10 PK	74.00	-28.90	1.16 V	255	9.10	36.00
4	4904.00	35.00 AV	54.00	-19.00	1.16 V	255	-1.00	36.00
5	9808.00	44.40 PK	74.00	-29.60	1.10 V	282	-0.50	44.90
5	9808.00	31.20 AV	54.00	-22.80	1.10 V	282	-13.70	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.

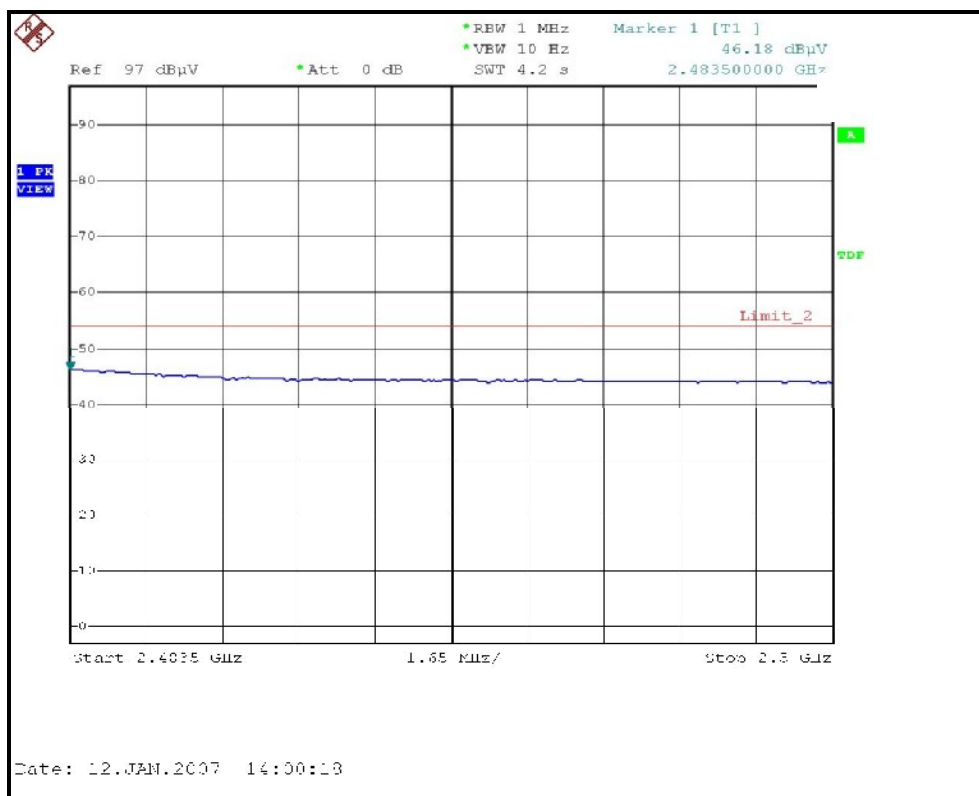
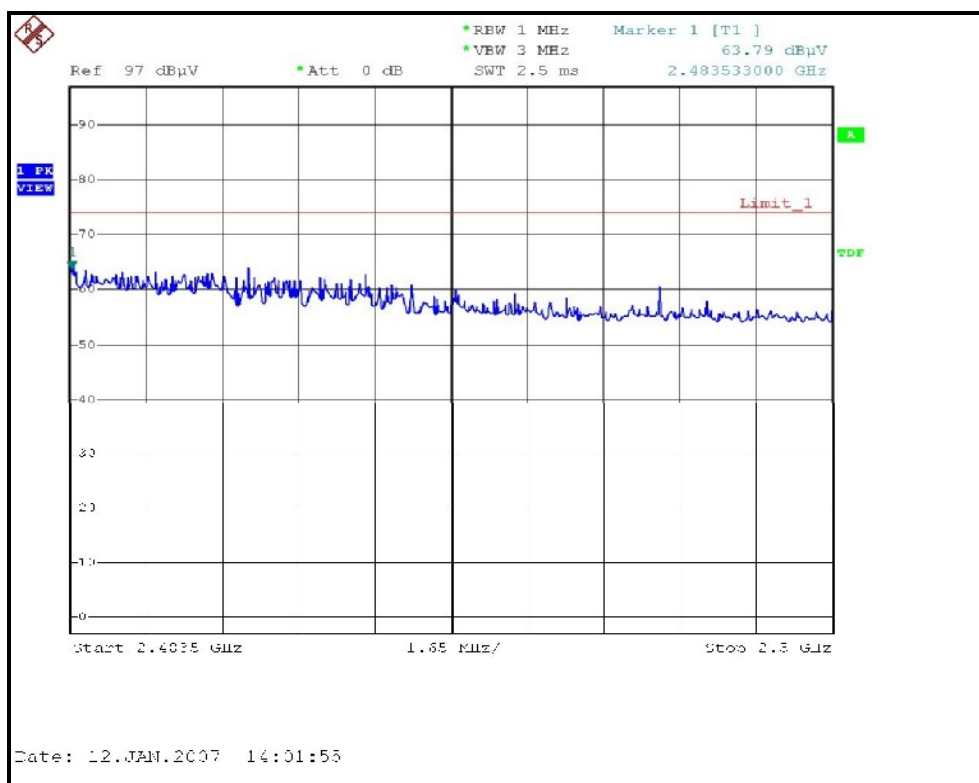
RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH1, HORIZONTAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH1, VERTICAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH7, HORIZONTAL)



RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE,CH7, VERTICAL)

