



FCC TEST REPORT

REPORT NO.: RF951205H06

MODEL NO.: DAP-1250

RECEIVED: Dec. 05, 2006

TESTED: Jan. 27 to 29, 2007

ISSUED: Feb. 13, 2007

APPLICANT: D-Link Corporation

ADDRESS: No.289, Shinhu 3rd Rd., Neihu District, Taipei
City 114, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

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

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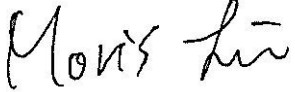


1 CERTIFICATION

PRODUCT : Wireless Lan Access Point
BRAND NAME : D-Link
MODEL NO. : DAP-1250
TESTED: Jan. 27 to 29, 2007
APPLICANT : D-Link Corporation
TEST ITEM: ENGINEERING SAMPLE
STANDARDS : 47 CFR Part 15, Subpart C (Section 15.247)
ANSI C63.4-2003

The above equipment (Model: DAP-1250) 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. 13, 2007
(Midoli Peng)

TECHNICAL ACCEPTANCE :  , **DATE:** Feb. 13, 2007
Responsible for RF (Moris Lin)

APPROVED BY :  , **DATE:** Feb. 13, 2007
(Hank Chung, Deputy Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: 47 CFR Part 15, Subpart C			
Standard Section	Test Type and Limit	Result	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit Minimum passing margin is -14.82 dB at 0.197 MHz
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Limit: min. 500kHz	PASS	Meet the requirement of limit
15.247(b)	Maximum Peak Output Power Limit: max. 30dBm	PASS	Meet the requirement of limit
15.247(c)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit Minimum passing margin is -0.2 dB at 2390.00 MHz
15.247(d)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit
15.247(c)	Band Edge Measurement Limit: 20 dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit

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:

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

Measurement	Value
Conducted emissions	2.53 dB
Radiated emissions (30MHz-1GHz)	3.30 dB
Radiated emissions (1GHz ~18GHz)	2.25 dB
Radiated emissions (18GHz ~40GHz)	1.88 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless Lan Access Point
MODEL NO.	DAP-1250
FCC ID	KA2AP1250A1
POWER SUPPLY	DC 5V from power adapter
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
RADIO TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps (*Turbo mode: up to 108Mbps)
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
CHANNEL SPACING	5MHz
OUTPUT POWER	802.11b: 148.936mW 802.11g: 446.684mW
ANTENNA TYPE	Please see note 3 (on next page)
DATA CABLE	NA
I/O PORT	LAN Port x1; ANT Port x 1
ASSOCIATED DEVICES	NA

NOTE:

1. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps. (Turbo mode up to 108Mbps)
2. The EUT complies with IEEE 802.11g standards, and backwards compatible with IEEE 802.11b products.



3. There are ten antennas provided to this EUT, please refer to the following table:

No.	Model No.	Gain (dBi)	Cable Loss (dB)	Net Gain (dB)	Antenna Type	Connector	Remark
1	ANT24-0800	8	6	2	Dipole	N female	Omni
2	ANT24-1201	12	10	2	Yagi	N female or SMA femal	Directional
3	ANT24-1400	14	12	2	Panel	N female	Directional
4	ANT24-1800	18	16	2	Panel	N female	Directional
5	ANT24-1801	18	16	2	Yagi	N female	Directional
6	ANT70-0800	8	6	2	Dipole	N Jack	Omni
7	ANT70-0801	8	6	2	Dipole	N Jack	Omni
8	ANT70-1000	8	6	2	Panel	N Jack	Directional
9	WSS002	2	0	2	1/4 λ Dipole	RP-SMA(M)	-
10	NA	2	0	2	Printed	NA	-

Note:

1. Antenna 4, 5, 9 & 10 was selected as representative mode for the report. Additionally mode: **<Antenna 6 only test Radiated Emission Test (Below 1 GHz)>**

4. The EUT must be supplied with following power adapter:

Brand:	D-Link
Model No.:	AF1205-B
Input power :	100-120V/50-60Hz, 0.3A LF
Output power :	5.0V/2.0A

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

3.2 DESCRIPTION OF TEST MODES

Operated in 2400 ~ 2483.5MHz band:

For 802.11b/g normal mode: Eleven channels are provided to this EUT.

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

For 802.11g turbo mode: One channel is provided to this EUT

Channel	Frequency
6	2437 MHz

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL:

EUT configure mode	Applicable to				Description
	PLC	RE<1G	RE≥1G	APCM	
Antenna 4	NA	√	√	√	NA
Antenna 5	NA	√	√	√	NA
Antenna 6	NA	√	NA	NA	Dipole with RF cable
Antenna 9	√	√	√	√	Dipole without RF cable
Antenna 10	NA	√	√	√	NA

Where PLC: Power Line Conducted Emission RE<1G RE: Radiated Emission below 1GHz
 RE≥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)
802.11g	1 to 11	1	OFDM	BPSK	6
802.11g (Turbo)	6	6	OFDM	BPSK	12

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)
802.11g	1 to 11	6	OFDM	BPSK	6
802.11g (Turbo)	6	6	OFDM	BPSK	12

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)
802.11b	1 to 11	1, 6, 11	DSSS	CCK	1
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6
802.11g (Turbo)	6	6	OFDM	BPSK	12

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)
802.11b	1 to 11	1, 11	DSSS	CCK	1
802.11g	1 to 11	1, 11	OFDM	BPSK	6
802.11g (Turbo)	6	6	OFDM	BPSK	12

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)
802.11b	1 to 11	1, 6, 11	DSSS	CCK	11
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6
802.11g (Turbo)	6	6	OFDM	BPSK	12



3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a Wireless Lan Access Point. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

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

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



3.5 DESCRIPTION OF SUPPORT UNITS

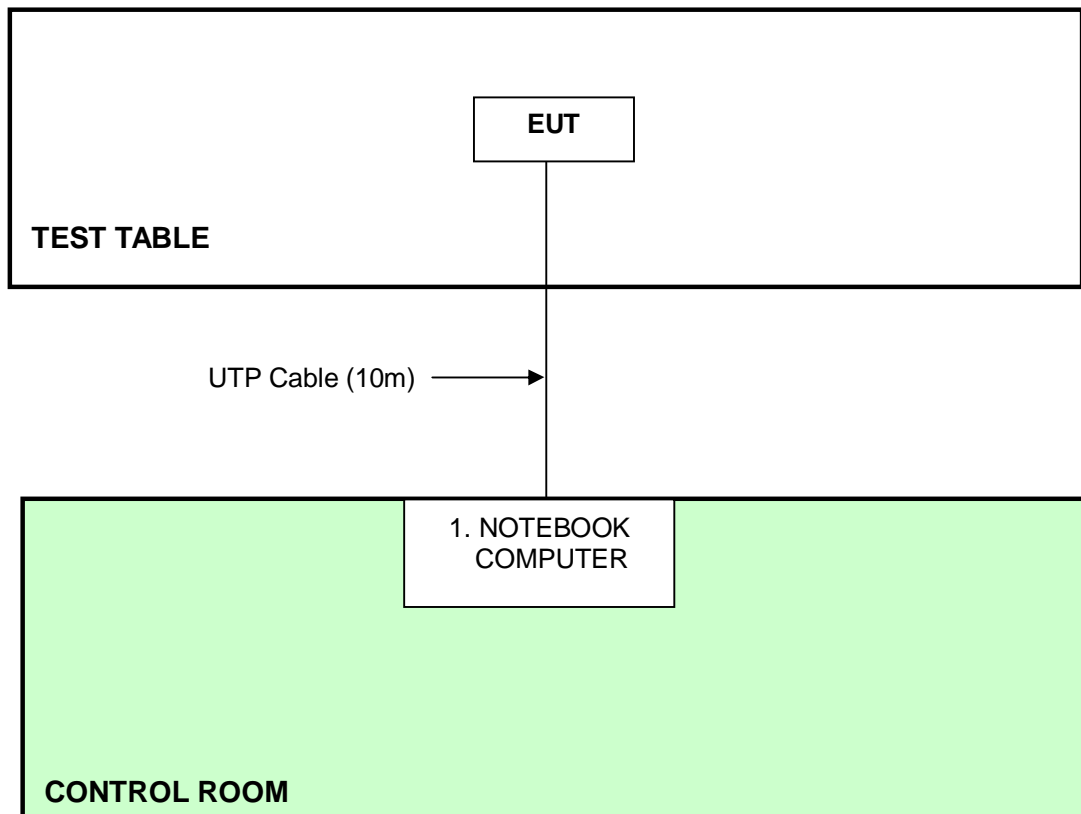
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Product	Brand	Model No.	Serial No.	FCC ID
1	NOTEBOOK COMPUTER	DELL	PP18L	6976685584	FCC DoC

No.	Signal cable description
1	NA

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

3.6 CONFIGURATION OF SYSTEM UNDER TEST



NOTE: 1. Support unit 1 was kept in the control room during the test.



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. All emanations from a class B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

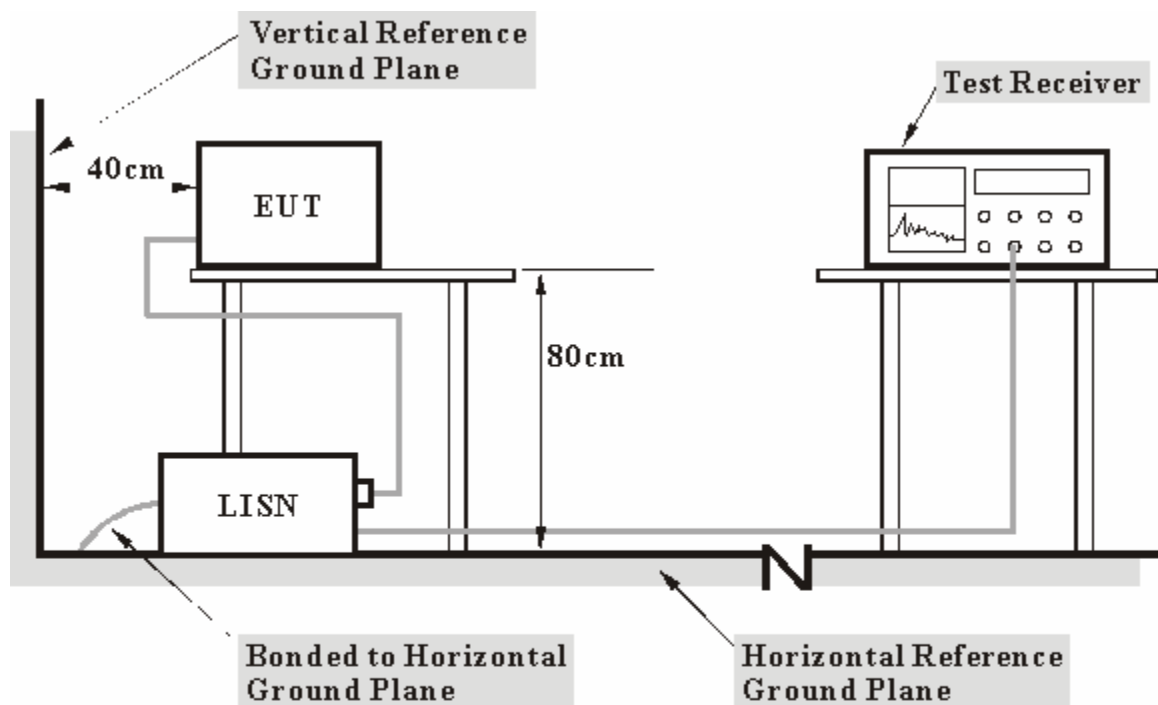
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver	ESCS 30	847124/029	Dec. 15, 2007
Line-Impedance Stabilization Network(for EUT)	ENV-216	100071	Nov. 26, 2007
Line-Impedance Stabilization Network(for Peripheral)	KNW-407	8/1395/12	Aug. 15, 2007
RF Cable (JETBAO)	RG233/U	Cable_CB_01	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/HOST was placed 0.4 meters from the conducting wall of the shielded room with EUT/HOST being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT/HOST were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported

4.1.4 TEST SETUP



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

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

4.1.5 EUT OPERATING CONDITIONS

- a. Turn on the power of all equipment.
- b. Prepared other computer systems (support unit 1) to act as communication partners and placed them outside of testing area.
- c. The communication partners run the test program "Art 53b29" to enable EUT under transmission/receiving condition continuously via UTP cable.
- d. Repeat steps b-c.

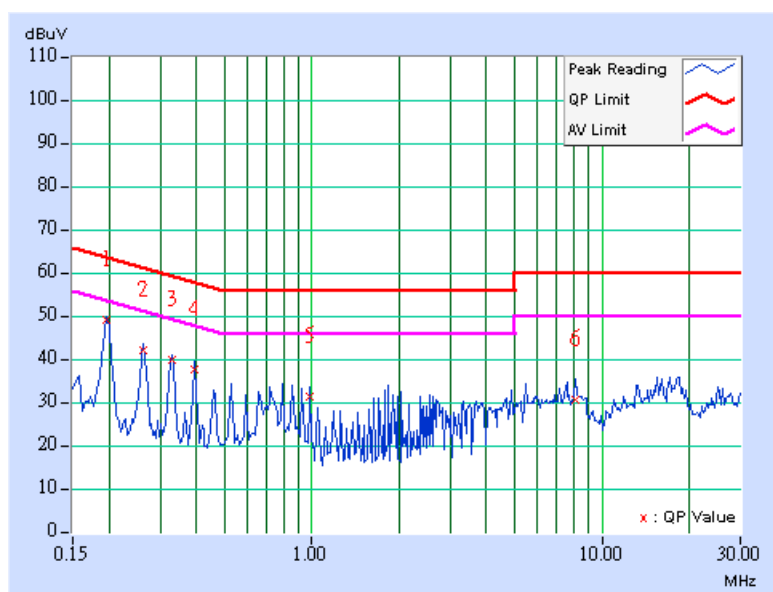
4.1.6 TEST RESULTS

Conducted Worst-Case Data (Normal mode)

MODULATION TYPE	BPSK	CHANNEL	Channel 1
INPUT POWER (SYSTEM)	120Vac, 60 Hz	6dB BANDWIDTH	9 kHz
PHASE	Line (L)	TRANSFER RATE	6Mbps
ENVIRONMENTAL CONDITIONS	20deg. C, 63%RH, 965hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	9.60	39.32	-	48.92	-	63.74	53.74	-14.82	-
2	0.263	9.60	32.36	-	41.96	-	61.33	51.33	-19.37	-
3	0.330	9.60	30.07	-	39.67	-	59.46	49.46	-19.79	-
4	0.396	9.60	27.92	-	37.52	-	57.93	47.93	-20.41	-
5	0.986	9.60	21.74	-	31.34	-	56.00	46.00	-24.66	-
6	8.152	9.84	20.93	-	30.77	-	60.00	50.00	-29.23	-

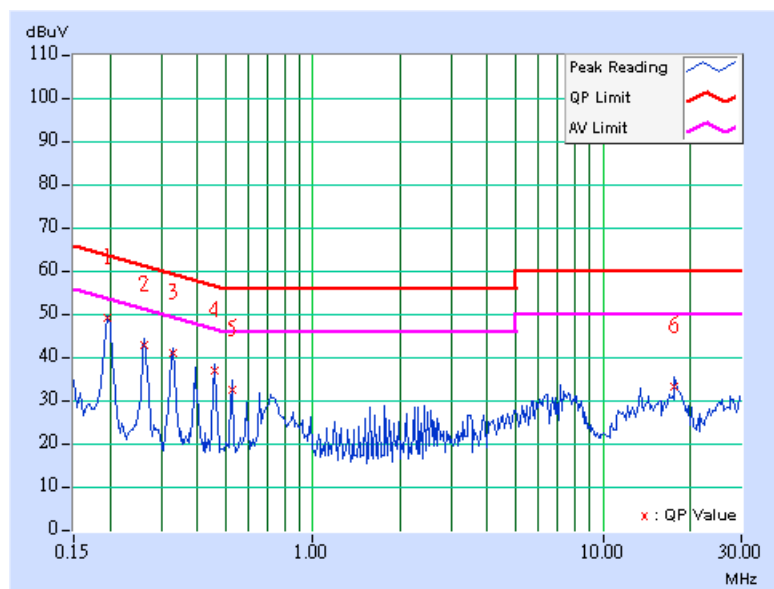
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



MODULATION TYPE	BPSK	Channel	Channel 1
INPUT POWER (SYSTEM)	120Vac, 60 Hz	6dB BANDWIDTH	9 kHz
PHASE	Neutral (N)	TRANSFER RATE	6Mbps
ENVIRONMENTAL CONDITIONS	20deg. C, 63%RH, 965hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	9.60	39.07	-	48.67	-	63.74	53.74	-15.07	-
2	0.263	9.60	33.03	-	42.63	-	61.33	51.33	-18.70	-
3	0.330	9.60	31.15	-	40.75	-	59.46	49.46	-18.71	-
4	0.459	9.60	26.92	-	36.52	-	56.72	46.72	-20.20	-
5	0.525	9.60	22.38	-	31.98	-	56.00	46.00	-24.02	-
6	17.695	10.05	23.30	-	33.35	-	60.00	50.00	-26.65	-

- 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.

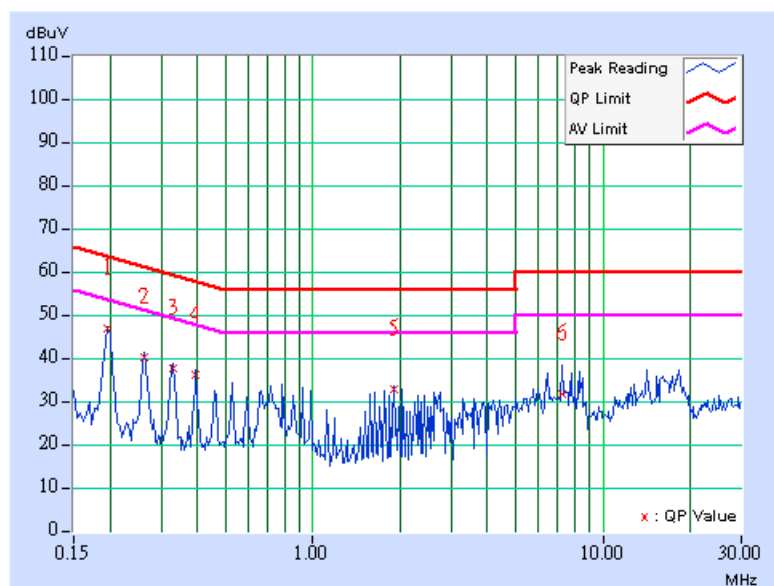


Conducted Worst-Case Data (Turbo mode)

MODULATION TYPE	BPSK	CHANNEL	Channel 6
INPUT POWER (SYSTEM)	120Vac, 60 Hz	6dB BANDWIDTH	9 kHz
PHASE	Line (L)	TRANSFER RATE	12Mbps
ENVIRONMENTAL CONDITIONS	20deg. C, 63%RH, 965hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	9.60	37.05	-	46.65	-	63.74	53.74	-17.09	-
2	0.263	9.60	30.71	-	40.31	-	61.33	51.33	-21.02	-
3	0.330	9.60	28.02	-	37.62	-	59.46	49.46	-21.84	-
4	0.396	9.60	26.64	-	36.24	-	57.93	47.93	-21.69	-
5	1.906	9.69	23.13	-	32.82	-	56.00	46.00	-23.18	-
6	7.230	9.81	22.14	-	31.95	-	60.00	50.00	-28.05	-

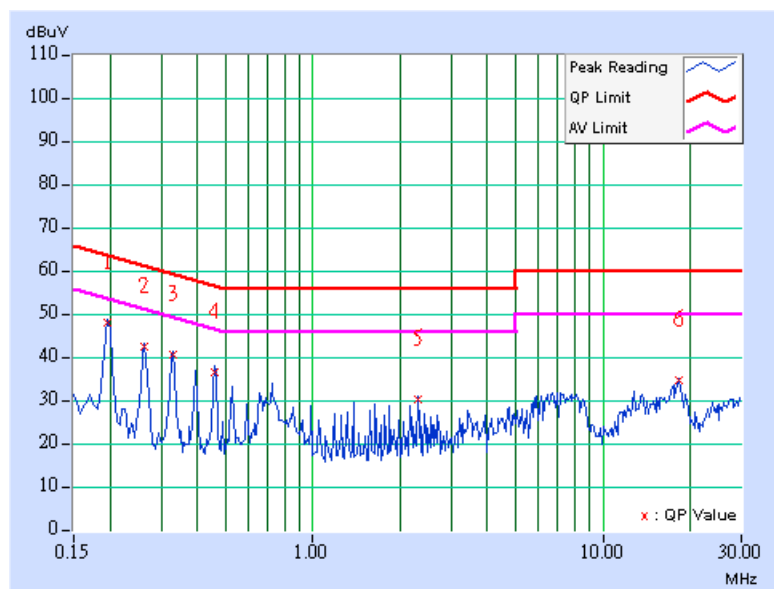
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



MODULATION TYPE	BPSK	Channel	Channel 6
INPUT POWER (SYSTEM)	120Vac, 60 Hz	6dB BANDWIDTH	9 kHz
PHASE	Neutral (N)	TRANSFER RATE	12Mbps
ENVIRONMENTAL CONDITIONS	20deg. C, 63%RH, 965hPa	TESTED BY	Tony Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	9.60	38.07	-	47.67	-	63.74	53.74	-16.07	-
2	0.263	9.60	32.44	-	42.04	-	61.33	51.33	-19.29	-
3	0.330	9.60	30.81	-	40.41	-	59.46	49.46	-19.05	-
4	0.459	9.60	26.57	-	36.17	-	56.72	46.72	-20.55	-
5	2.301	9.70	20.21	-	29.91	-	56.00	46.00	-26.09	-
6	18.242	10.06	24.71	-	34.77	-	60.00	50.00	-25.23	-

- 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	VULB9168	138	Dec. 11, 2007
Schwarzbeck Horn_Antenna	BBHA9120	D124	Dec. 27, 2007
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.

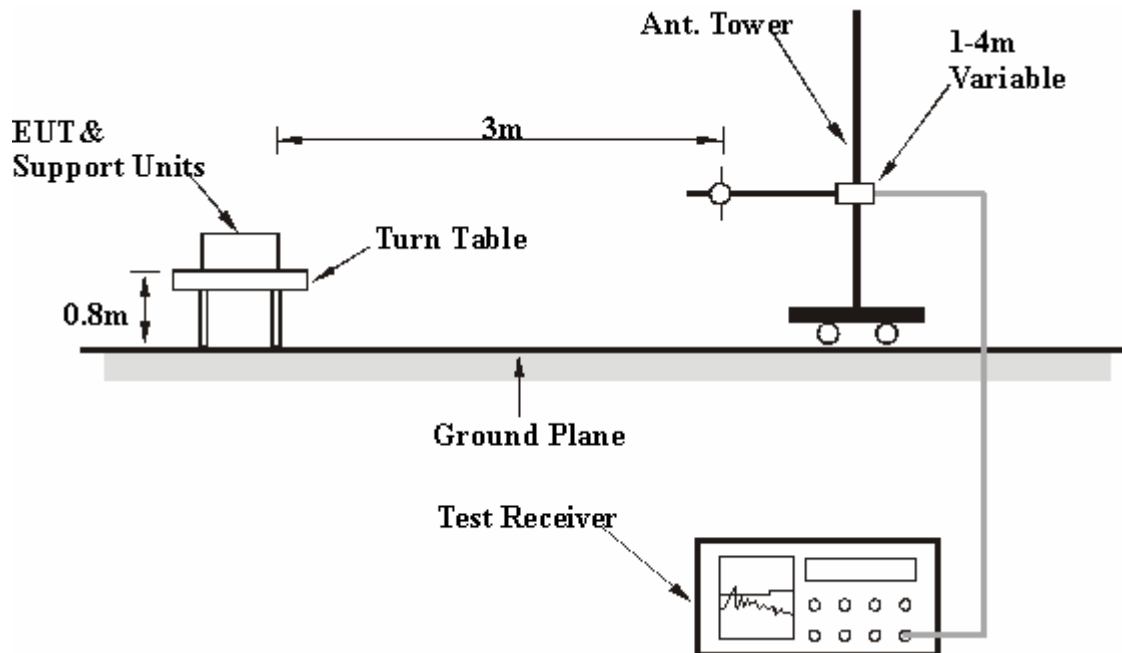
4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 TEST SETUP



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

4.2.5 EUT OPERATING CONDITIONS

Same as 4.1.5

4.2.6 TEST RESULTS (Antenna 4)

Below 1GHz Worst-Case Data (Normal mode)

MODULATION TYPE	BPSK	CHANNEL	Channel 6
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	17deg. C, 60%RH, 965hPa	TRANSFER RATE	6Mbps
TESTED BY	Rex Huang	DETECTOR FUNCTION	Quasi-Peak, 120kHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.01	29.90 QP	43.50	-13.60	2.12 H	225	17.60	12.30
2	187.52	24.30 QP	43.50	-19.20	1.92 H	91	13.60	10.70
3	250.01	28.60 QP	46.00	-17.40	1.54 H	299	14.80	13.80
4	375.08	26.90 QP	46.00	-19.10	1.24 H	268	9.10	17.80
5	500.03	30.30 QP	46.00	-15.70	1.53 H	129	9.90	20.40
6	625.01	33.90 QP	46.00	-12.10	1.39 H	334	11.40	22.50
7	750.00	35.60 QP	46.00	-10.40	1.16 H	222	11.20	24.30
8	875.00	35.50 QP	46.00	-10.50	1.00 H	331	10.20	25.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.01	34.80 QP	43.50	-8.70	1.00 V	126	22.50	12.30
2	187.50	24.90 QP	43.50	-18.60	1.00 V	43	14.30	10.70
3	250.01	27.10 QP	46.00	-18.90	1.00 V	43	13.30	13.80
4	374.94	27.50 QP	46.00	-18.50	1.00 V	264	9.70	17.80
5	500.08	30.50 QP	46.00	-15.50	1.39 V	117	10.20	20.40
6	624.98	32.80 QP	46.00	-13.20	1.68 V	245	10.30	22.50
7	749.99	34.00 QP	46.00	-12.00	1.13 V	155	9.60	24.30
8	874.96	35.20 QP	46.00	-10.80	1.01 V	176	9.90	25.30

- 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 (Turbo mode)

MODULATION TYPE	BPSK	CHANNEL	Channel 6
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	17deg. C, 60%RH, 965hPa	TRANSFER RATE	12Mbps
TESTED BY	Rex Huang	DETECTOR FUNCTION	Quasi-Peak, 120kHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.03	30.10 QP	43.50	-13.40	2.05 H	207	17.80	12.30
2	250.02	27.10 QP	46.00	-18.90	1.61 H	3	13.30	13.80
3	499.97	29.60 QP	46.00	-16.40	1.28 H	71	9.20	20.40
4	625.01	33.20 QP	46.00	-12.80	1.49 H	352	10.70	22.50
5	749.98	34.90 QP	46.00	-11.10	1.22 H	243	10.50	24.30
6	875.02	36.10 QP	46.00	-9.90	1.01 H	274	10.80	25.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.03	32.60 QP	43.50	-10.90	1.00 V	135	20.30	12.30
2	250.01	26.20 QP	46.00	-19.80	1.00 V	24	12.40	13.80
3	500.00	30.60 QP	46.00	-15.40	1.00 V	102	10.20	20.40
4	625.06	31.30 QP	46.00	-14.70	1.53 V	252	8.80	22.50
5	750.00	34.70 QP	46.00	-11.30	1.36 V	250	10.40	24.30
6	875.00	35.50 QP	46.00	-10.50	1.03 V	173	10.20	25.30

- 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

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2390.00	57.80 PK	74.00	-16.20	1.41 H	152	25.90	31.90
1	2390.00	44.80 AV	54.00	-9.20	1.41 H	152	12.90	31.90
2	*2412.00	96.10 PK			1.41 H	152	64.10	32.00
2	*2412.00	91.40 AV			1.41 H	152	59.40	32.00
3	3216.00	48.80 PK	76.10	-27.30	1.00 H	341	15.60	33.20
3	3216.00	41.10 AV	71.40	-30.30	1.00 H	341	7.90	33.20
4	4824.00	47.40 PK	74.00	-26.60	1.00 H	257	11.40	36.00
4	4824.00	36.80 AV	54.00	-17.20	1.00 H	257	0.80	36.00
5	7236.00	53.10 PK	74.00	-20.90	1.17 H	286	10.90	42.20
5	7236.00	39.50 AV	54.00	-14.50	1.17 H	286	-2.70	42.20

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	61.50 PK	74.00	-12.50	1.15 V	178	29.60	31.90
1	2390.00	52.10 AV	54.00	-1.90	1.15 V	178	20.20	31.90
2	*2412.00	113.20 PK			1.15 V	178	81.20	32.00
2	*2412.00	108.50 AV			1.15 V	178	76.50	32.00
3	3216.00	52.30 PK	93.20	-40.90	1.00 V	72	19.10	33.20
3	3216.00	48.50 AV	88.50	-40.00	1.00 V	72	15.30	33.20
4	4824.00	49.70 PK	74.00	-24.30	1.32 V	194	13.70	36.00
4	4824.00	45.40 AV	54.00	-8.60	1.32 V	194	9.40	36.00
5	7236.00	53.50 PK	74.00	-20.50	1.31 V	323	11.30	42.20
5	7236.00	40.10 AV	54.00	-13.90	1.31 V	323	-2.10	42.20

- 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



MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2390.00	57.20 PK	74.00	-16.80	1.41 H	150	25.30	31.90
1	2390.00	44.80 AV	54.00	-9.20	1.41 H	150	12.90	31.90
2	*2437.00	101.50 PK			1.41 H	150	69.40	32.10
2	*2437.00	96.60 AV			1.41 H	150	64.50	32.10
3	2483.50	57.80 PK	74.00	-16.20	1.41 H	150	25.50	32.30
3	2483.50	45.30 AV	54.00	-8.70	1.41 H	150	13.00	32.30
4	3249.00	49.30 PK	81.50	-32.30	1.00 H	347	16.10	33.20
4	3249.00	42.20 AV	76.60	-34.40	1.00 H	347	9.00	33.20
5	4874.00	50.20 PK	74.00	-23.80	1.00 H	252	14.10	36.10
5	4874.00	42.40 AV	54.00	-11.60	1.00 H	252	6.30	36.10
6	7311.00	53.40 PK	74.00	-20.60	1.14 H	291	10.90	42.50
6	7311.00	40.10 AV	54.00	-13.90	1.14 H	291	-2.40	42.50

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	2320.00	61.00 PK	74.00	-13.00	1.14 V	179	29.30	31.70
1	2320.00	49.70 AV	54.00	-4.30	1.14 V	179	18.00	31.70
2	*2437.00	116.40 PK			1.14 V	179	84.30	32.10
2	*2437.00	111.70 AV			1.14 V	179	79.60	32.10
3	2483.50	61.50 PK	74.00	-12.50	1.14 V	179	29.20	32.30
3	2483.50	48.60 AV	54.00	-5.40	1.14 V	179	16.30	32.30
4	3249.00	52.50 PK	96.40	-43.90	1.00 V	71	19.30	33.20
4	3249.00	48.80 AV	91.70	-42.90	1.00 V	71	15.60	33.20
5	4874.00	54.90 PK	74.00	-19.10	1.31 V	196	18.80	36.10
5	4874.00	50.70 AV	54.00	-3.30	1.31 V	196	14.60	36.10
6	7311.00	56.30 PK	74.00	-17.70	1.31 V	319	13.80	42.50
6	7311.00	46.60 AV	54.00	-7.40	1.31 V	319	4.10	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex Huang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

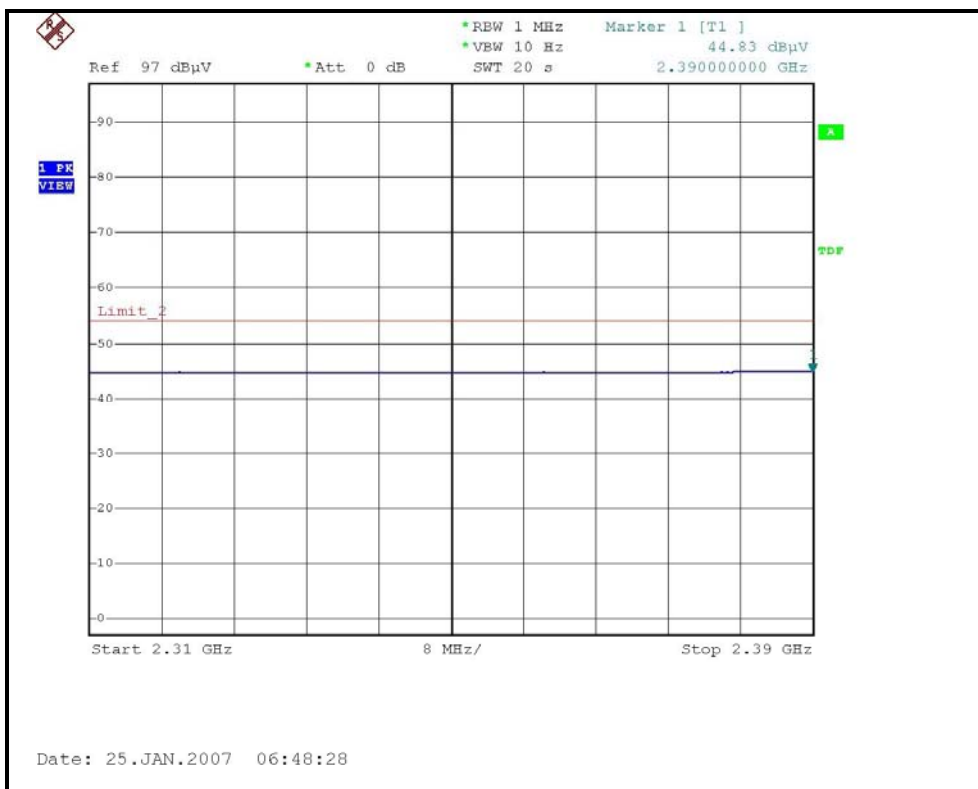
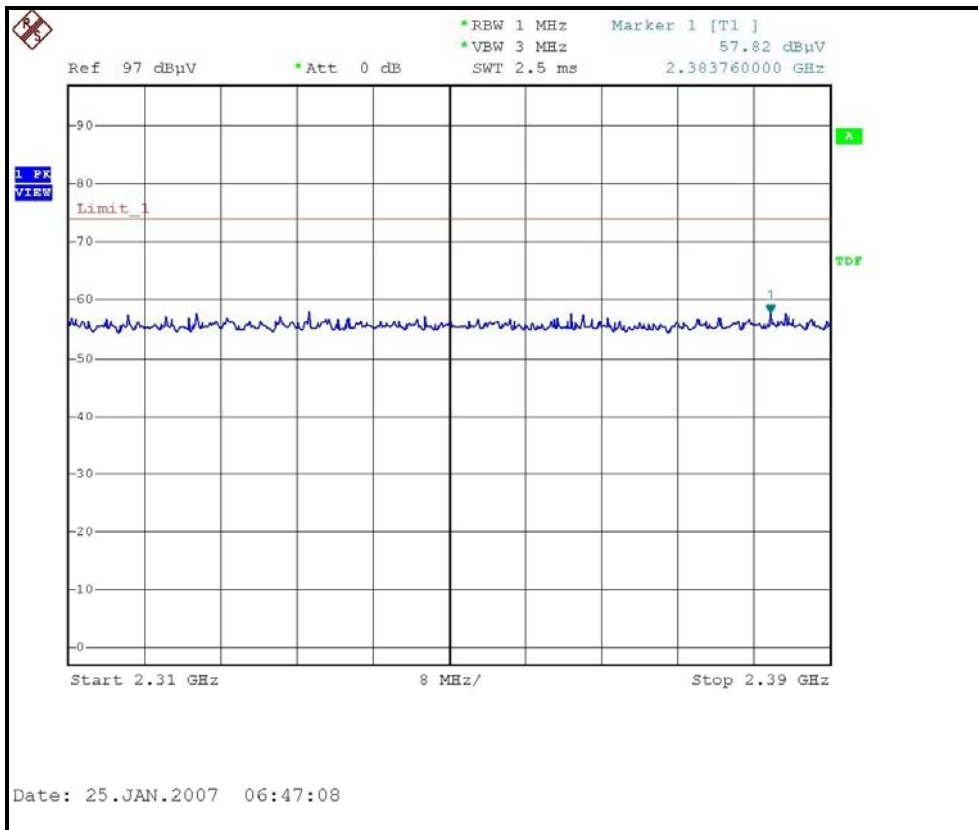
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1	*2462.00	96.40 PK			1.41 H	155	64.20	32.20
1	*2462.00	91.60 AV			1.41 H	155	59.40	32.20
2	2488.00	57.90 PK	74.00	-16.10	1.41 H	155	25.60	32.30
2	2488.00	45.40 AV	54.00	-8.60	1.41 H	155	13.10	32.30
3	3282.00	48.70 PK	76.40	-27.70	1.00 H	346	15.40	33.30
3	3282.00	41.10 AV	71.60	-30.50	1.00 H	346	7.80	33.30
4	4924.00	48.70 PK	74.00	-25.30	1.00 H	255	12.50	36.20
4	4924.00	37.30 AV	54.00	-16.70	1.00 H	255	1.10	36.20
5	7386.00	53.20 PK	74.00	-20.80	1.15 H	287	10.40	42.80
5	7386.00	39.40 AV	54.00	-14.60	1.15 H	287	-3.40	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

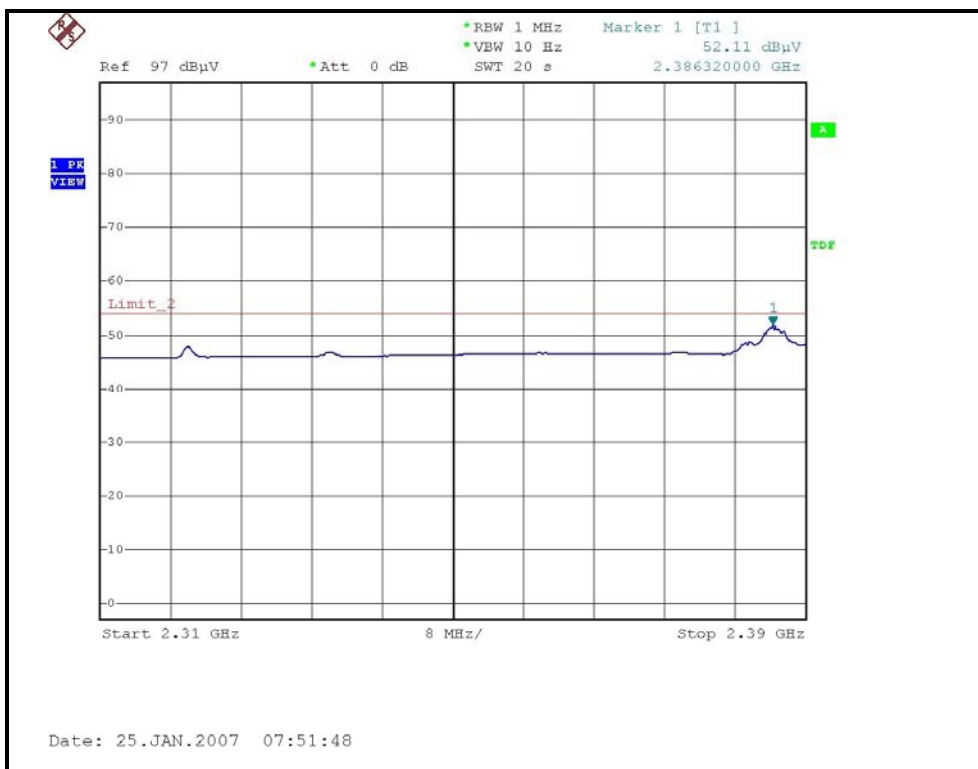
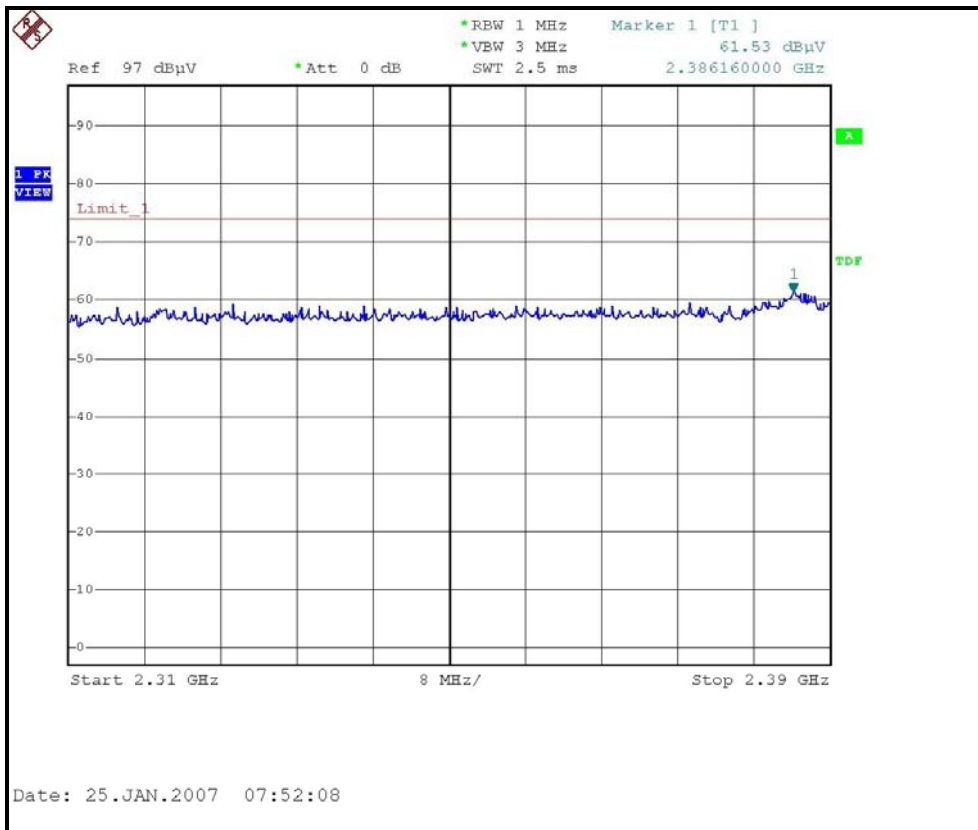
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1	*2462.00	113.40 PK			1.14 V	179	81.20	32.20
1	*2462.00	108.90 AV			1.14 V	179	76.70	32.20
2	2488.00	64.10 PK	74.00	-9.90	1.14 V	179	31.80	32.30
2	2488.00	53.60 AV	54.00	-0.40	1.14 V	179	21.30	32.30
3	3282.00	52.80 PK	93.40	-40.60	1.00 V	70	19.50	33.30
3	3282.00	48.80 AV	88.90	-40.10	1.00 V	70	15.50	33.30
4	4924.00	48.30 PK	74.00	-25.70	1.29 V	193	12.10	36.20
4	4924.00	43.40 AV	54.00	-10.60	1.29 V	193	7.20	36.20
5	7386.00	53.10 PK	74.00	-20.90	1.31 V	316	10.30	42.80
5	7386.00	39.70 AV	54.00	-14.30	1.31 V	316	-3.10	42.80

- 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

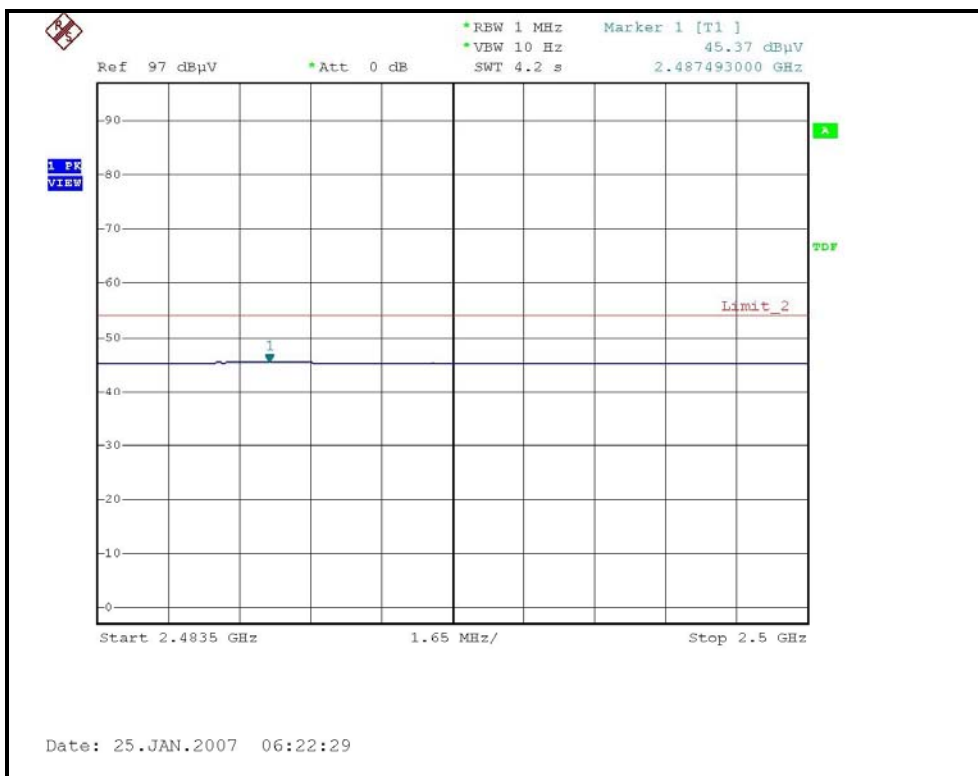
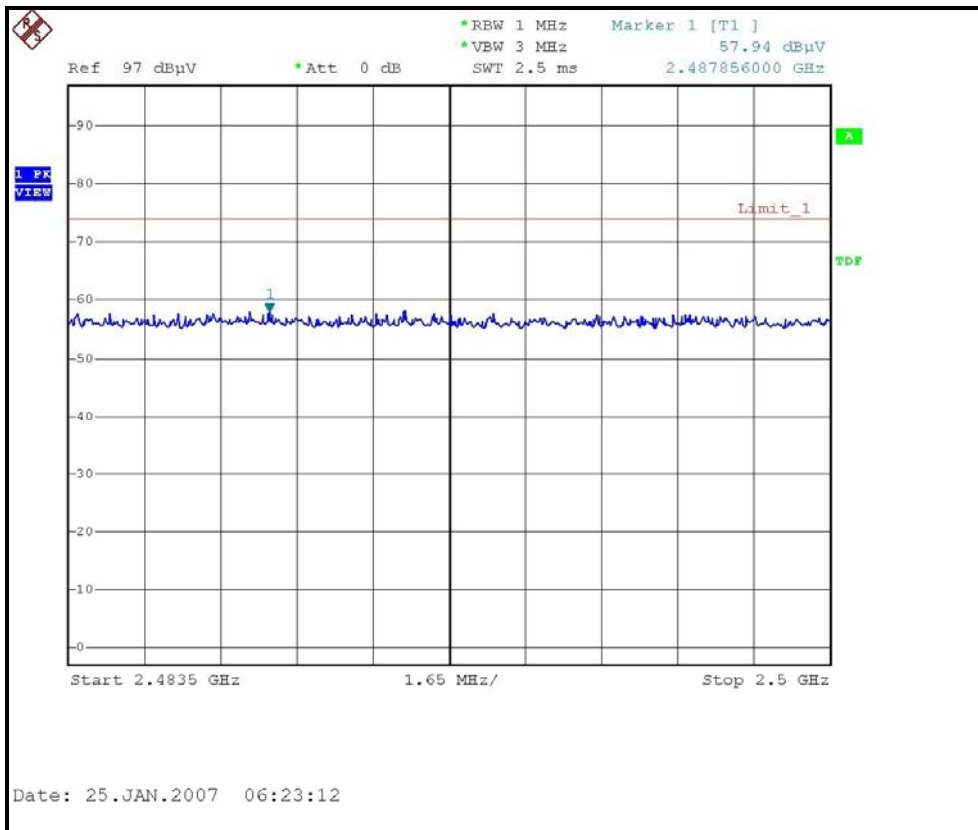
RESTRICTED BANDEDGE (802.11b MODE, CH1, HORIZONTAL)



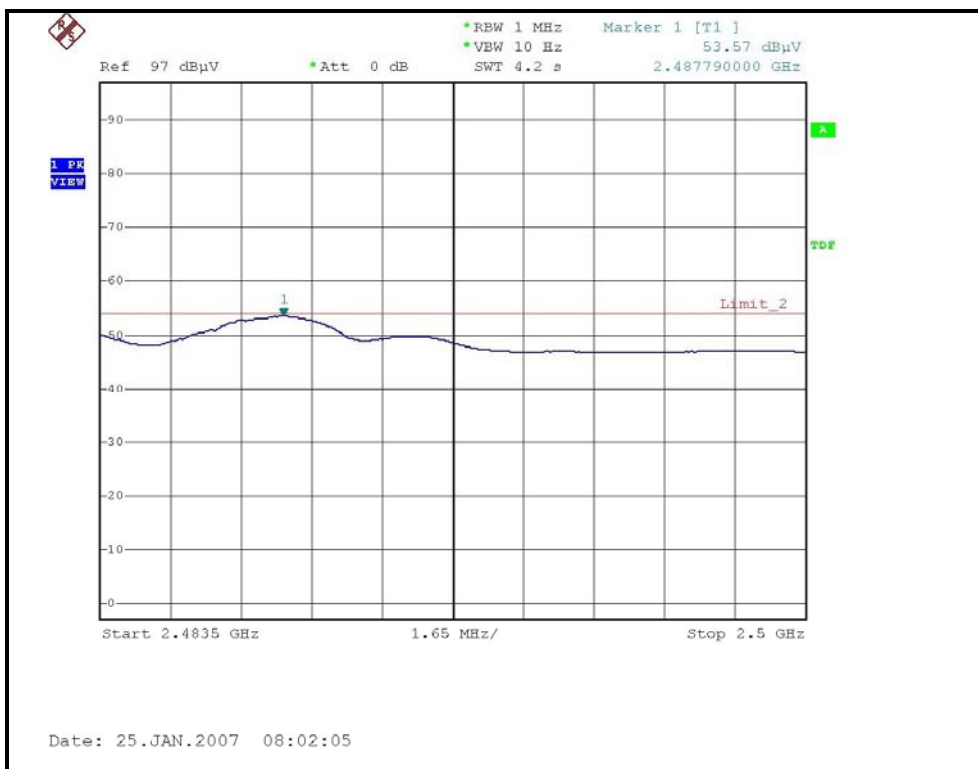
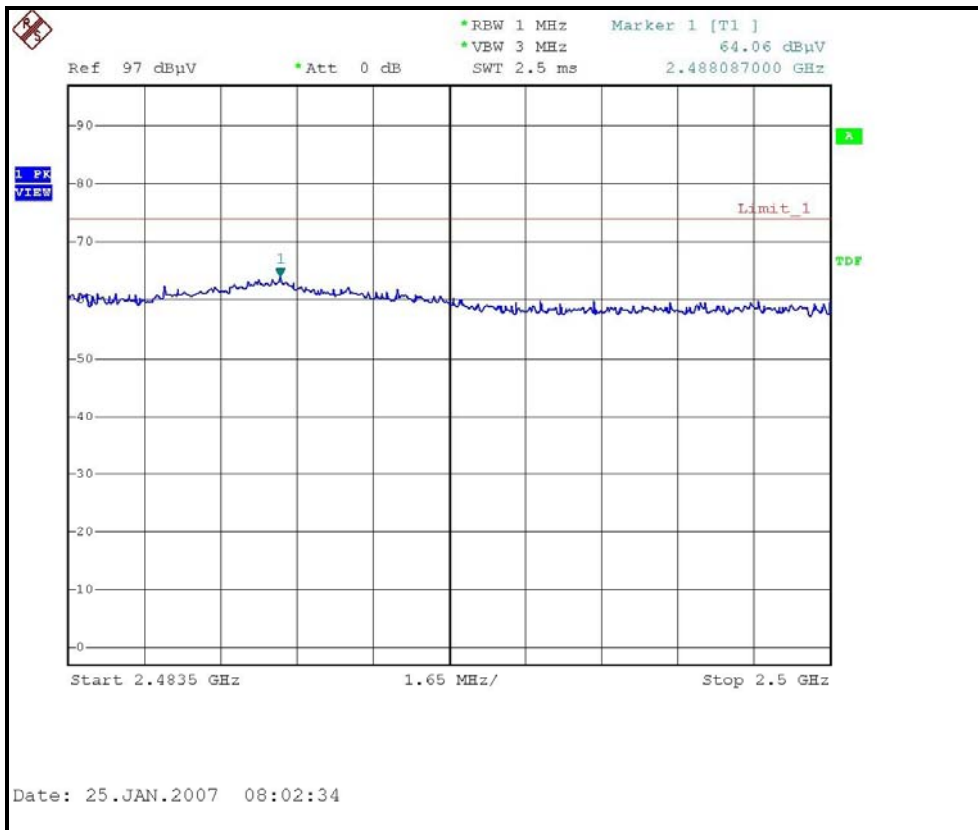
RESTRICTED BANDEDGE (802.11b MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, VERTICAL)





802.11g Normal OFDM modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2390.00	56.40 PK	74.00	-17.60	1.41 H	153	24.50	31.90
1	2390.00	44.90 AV	54.00	-9.10	1.41 H	153	13.00	31.90
2	*2412.00	97.40 PK			1.41 H	153	65.40	32.00
2	*2412.00	86.50 AV			1.41 H	153	54.50	32.00
3	3216.00	49.40 PK	77.40	-28.00	1.00 H	342	16.20	33.20
3	3216.00	42.80 AV	66.50	-23.70	1.00 H	342	9.60	33.20
4	4824.00	48.10 PK	74.00	-25.90	1.00 H	256	12.10	36.00
4	4824.00	33.70 AV	54.00	-20.30	1.00 H	256	-2.30	36.00
5	7236.00	53.00 PK	74.00	-21.00	1.17 H	291	10.80	42.20
5	7236.00	39.30 AV	54.00	-14.70	1.17 H	291	-2.90	42.20

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	69.60 PK	74.00	-4.40	1.15 V	178	37.70	31.90
1	2390.00	52.00 AV	54.00	-2.00	1.15 V	178	20.10	31.90
2	*2412.00	113.10 PK			1.15 V	178	81.10	32.00
2	*2412.00	102.30 AV			1.15 V	178	70.30	32.00
3	3216.00	53.20 PK	93.10	-39.90	1.00 V	69	20.00	33.20
3	3216.00	49.60 AV	82.30	-32.70	1.00 V	69	16.40	33.20
4	4824.00	51.80 PK	74.00	-22.20	1.31 V	198	15.80	36.00
4	4824.00	37.60 AV	54.00	-16.40	1.31 V	198	1.60	36.00
5	7236.00	53.70 PK	74.00	-20.30	1.30 V	321	11.50	42.20
5	7236.00	39.80 AV	54.00	-14.20	1.30 V	321	-2.40	42.20

- 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

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2390.00	57.80 PK	74.00	-16.20	1.41 H	151	25.90	31.90
1	2390.00	44.90 AV	54.00	-9.10	1.41 H	151	13.00	31.90
2	*2437.00	105.70 PK			1.41 H	151	73.60	32.10
2	*2437.00	94.90 AV			1.41 H	151	62.80	32.10
3	2483.50	58.70 PK	74.00	-15.30	1.41 H	151	26.40	32.30
3	2483.50	45.70 AV	54.00	-8.30	1.41 H	151	13.40	32.30
4	3249.00	49.90 PK	85.70	-35.80	1.00 H	348	16.70	33.20
4	3249.00	43.90 AV	74.90	-31.00	1.00 H	348	10.70	33.20
5	4874.00	48.90 PK	74.00	-25.10	1.00 H	251	12.80	36.10
5	4874.00	35.00 AV	54.00	-19.00	1.00 H	251	-1.10	36.10
6	7311.00	54.50 PK	74.00	-19.50	1.13 H	287	12.00	42.50
6	7311.00	40.80 AV	54.00	-13.20	1.13 H	287	-1.70	42.50

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	2320.00	62.60 PK	74.00	-11.40	1.14 V	179	30.90	31.70
1	2320.00	52.60 AV	54.00	-1.40	1.14 V	179	20.90	31.70
2	2390.00	70.90 PK	74.00	-3.10	1.14 V	179	39.00	31.90
2	2390.00	51.80 AV	54.00	-2.20	1.14 V	179	19.90	31.90
3	*2437.00	121.40 PK			1.14 V	179	89.30	32.10
3	*2437.00	110.10 AV			1.14 V	179	78.00	32.10
4	2483.50	72.80 PK	74.00	-1.20	1.14 V	179	40.50	32.30
4	2483.50	53.10 AV	54.00	-0.90	1.14 V	179	20.80	32.30
5	3249.00	53.10 PK	101.40	-48.30	1.00 V	70	19.90	33.20
5	3249.00	49.40 AV	90.10	-40.70	1.00 V	70	16.20	33.20
6	4874.00	54.70 PK	74.00	-19.30	1.33 V	196	18.60	36.10
6	4874.00	40.70 AV	54.00	-13.30	1.33 V	196	4.60	36.10
7	7311.00	62.60 PK	74.00	-11.40	1.30 V	317	20.10	42.50
7	7311.00	47.50 AV	54.00	-6.50	1.30 V	317	5.00	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex Huang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

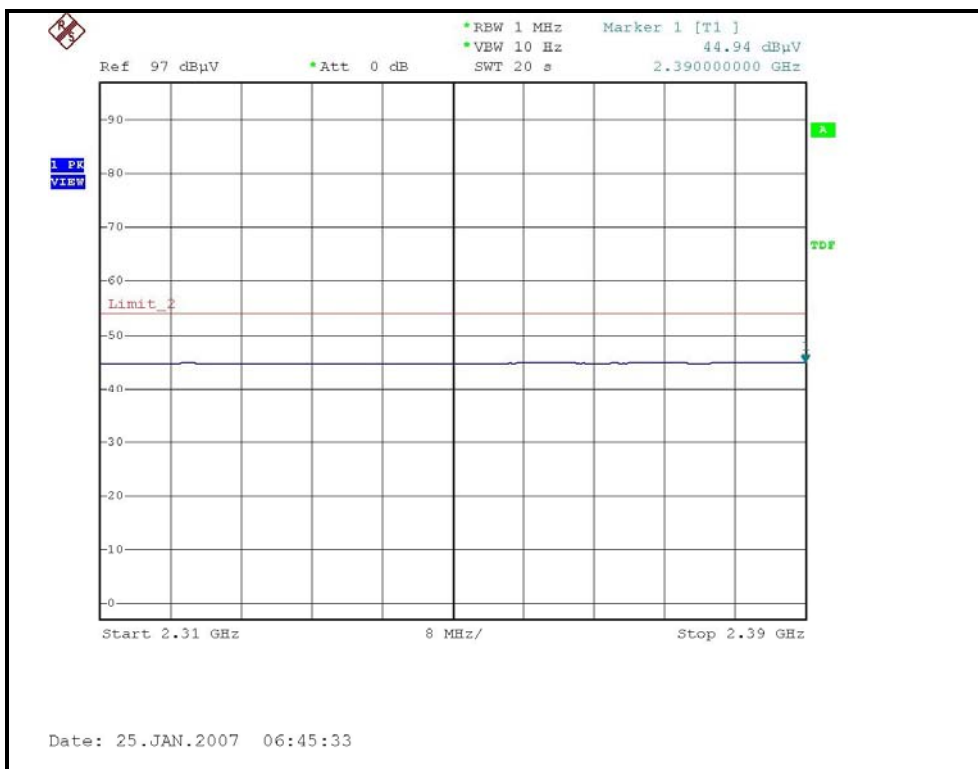
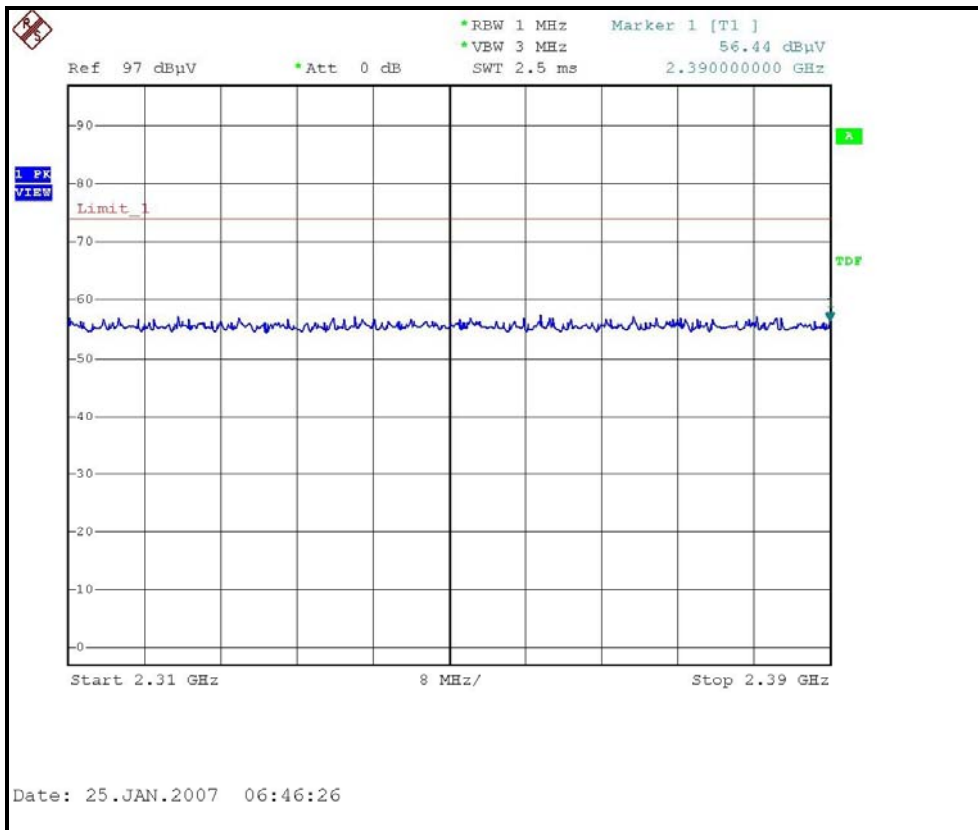
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	96.40 PK			1.41 H	154	64.20	32.20
1	*2462.00	85.70 AV			1.41 H	154	53.50	32.20
2	2483.50	58.00 PK	74.00	-16.00	1.41 H	154	25.70	32.30
2	2483.50	45.50 AV	54.00	-8.50	1.41 H	154	13.20	32.30
3	3282.00	49.20 PK	76.40	-27.20	1.00 H	346	15.90	33.30
3	3282.00	41.80 AV	65.90	-23.90	1.00 H	346	8.50	33.30
4	4924.00	48.90 PK	74.00	-25.10	1.00 H	254	12.70	36.20
4	4924.00	34.10 AV	54.00	-19.90	1.00 H	254	-2.10	36.20
5	7386.00	53.50 PK	74.00	-20.50	1.16 H	284	10.70	42.80
5	7386.00	39.60 AV	54.00	-14.40	1.16 H	284	-3.20	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

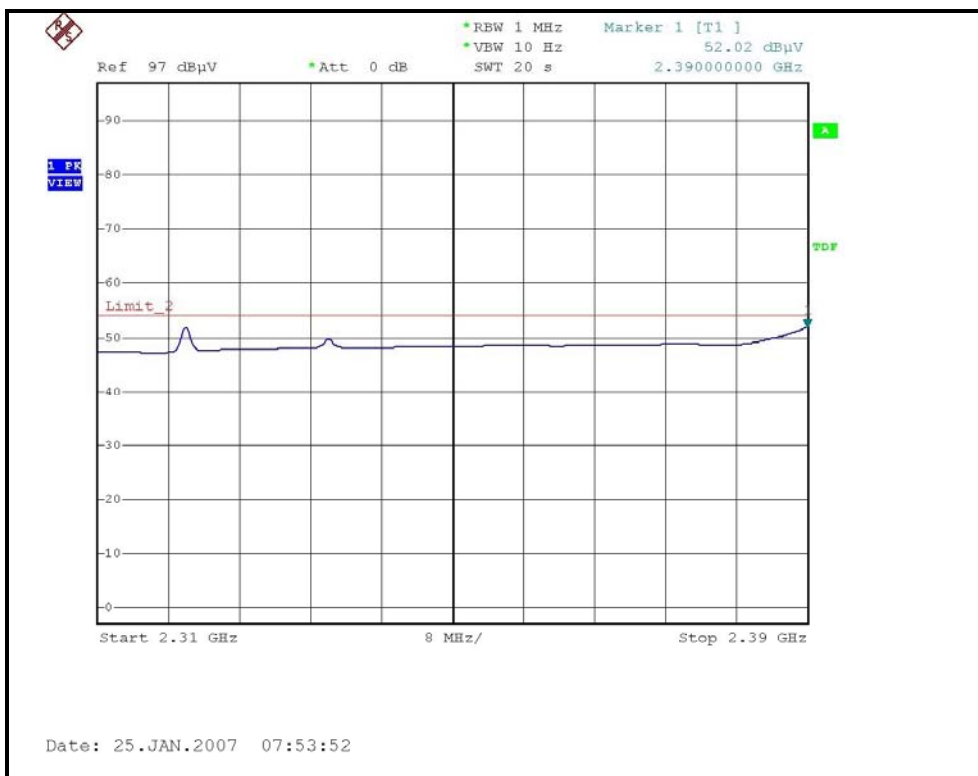
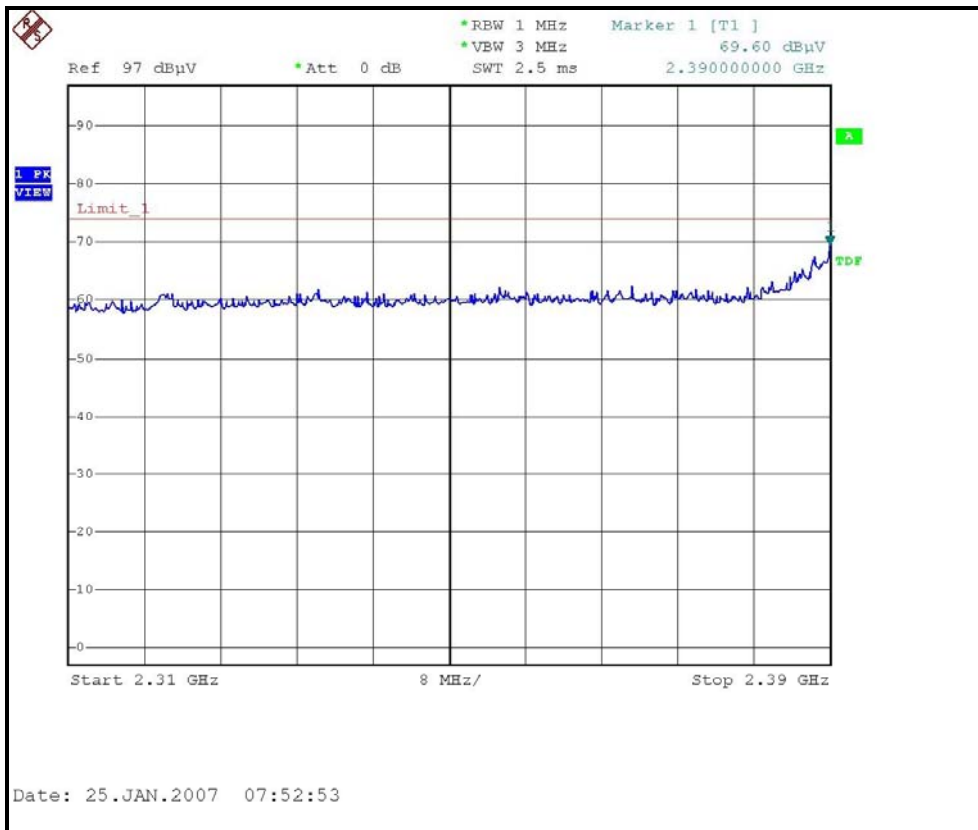
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	113.10 PK			1.14 V	178	80.90	32.20
1	*2462.00	102.40 AV			1.14 V	178	70.20	32.20
2	2483.50	70.50 PK	74.00	-3.50	1.14 V	178	38.20	32.30
2	2483.50	52.80 AV	54.00	-1.20	1.14 V	178	20.50	32.30
3	3282.00	53.40 PK	93.10	-39.70	1.00 V	71	20.10	33.30
3	3282.00	49.70 AV	82.40	-32.70	1.00 V	71	16.40	33.30
4	4924.00	51.10 PK	74.00	-22.90	1.27 V	189	14.90	36.20
4	4924.00	37.20 AV	54.00	-16.80	1.27 V	189	1.00	36.20
5	7386.00	53.10 PK	74.00	-20.90	1.31 V	319	10.30	42.80
5	7386.00	39.80 AV	54.00	-14.20	1.31 V	319	-3.00	42.80

- 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

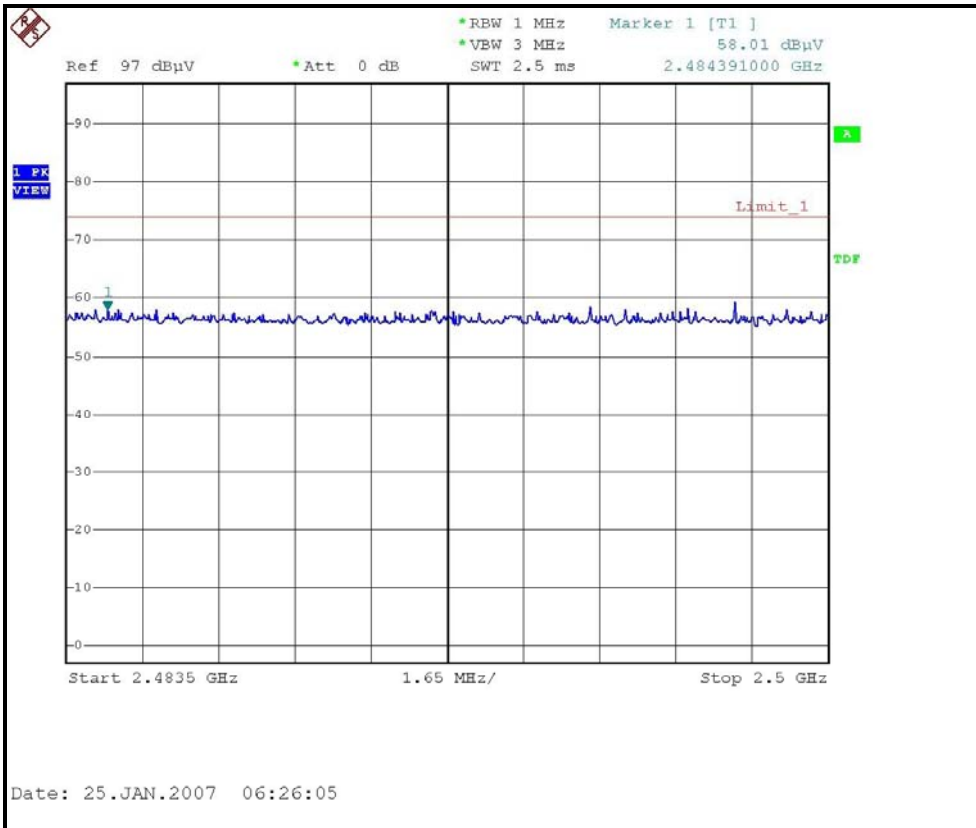
RESTRICTED BANDEDGE (802.11g MODE,CH1, HORIZONTAL)



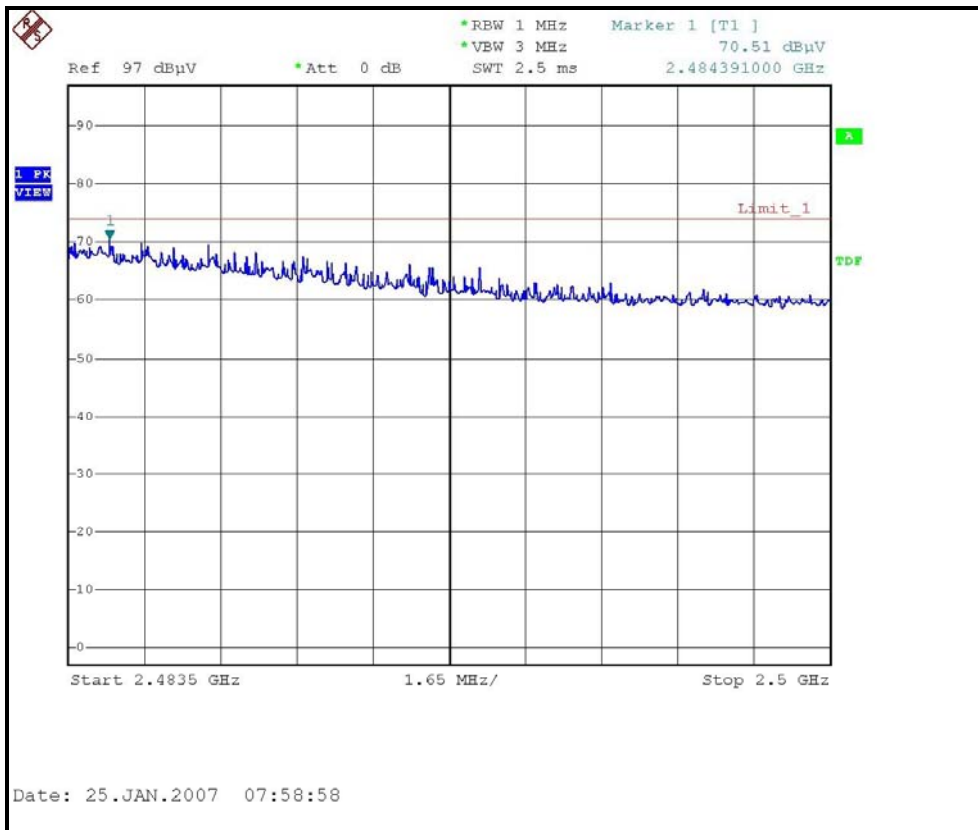
RESTRICTED BANDEDGE (802.11g MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE, CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE, CH11, VERTICAL)





802.11g Turbo OFDM modulation

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex Huang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

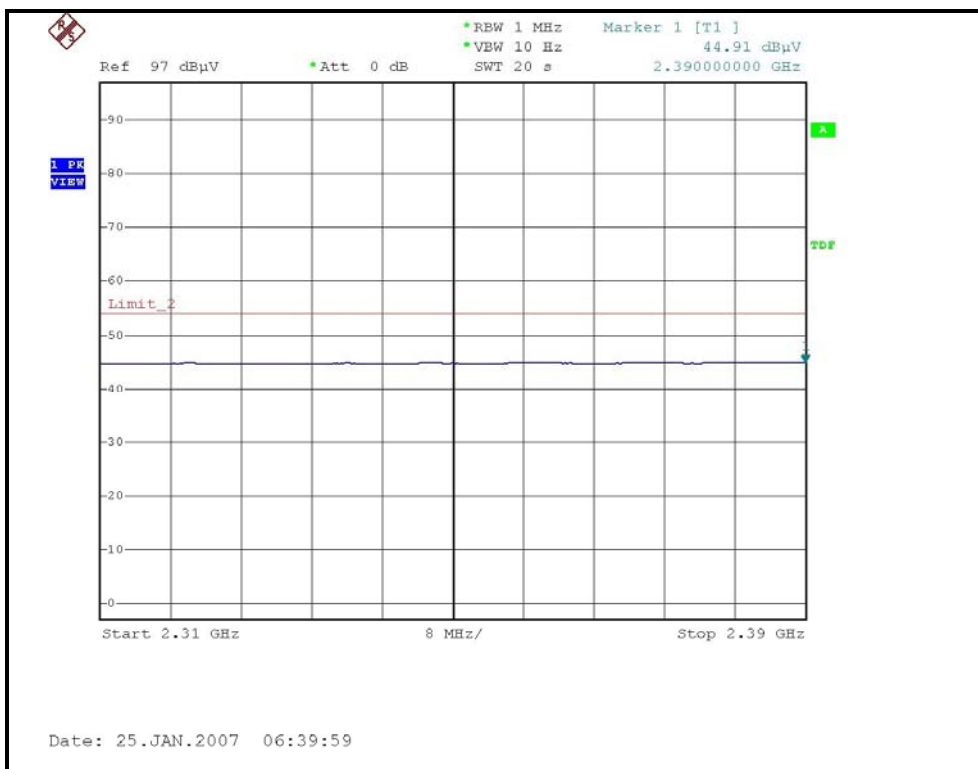
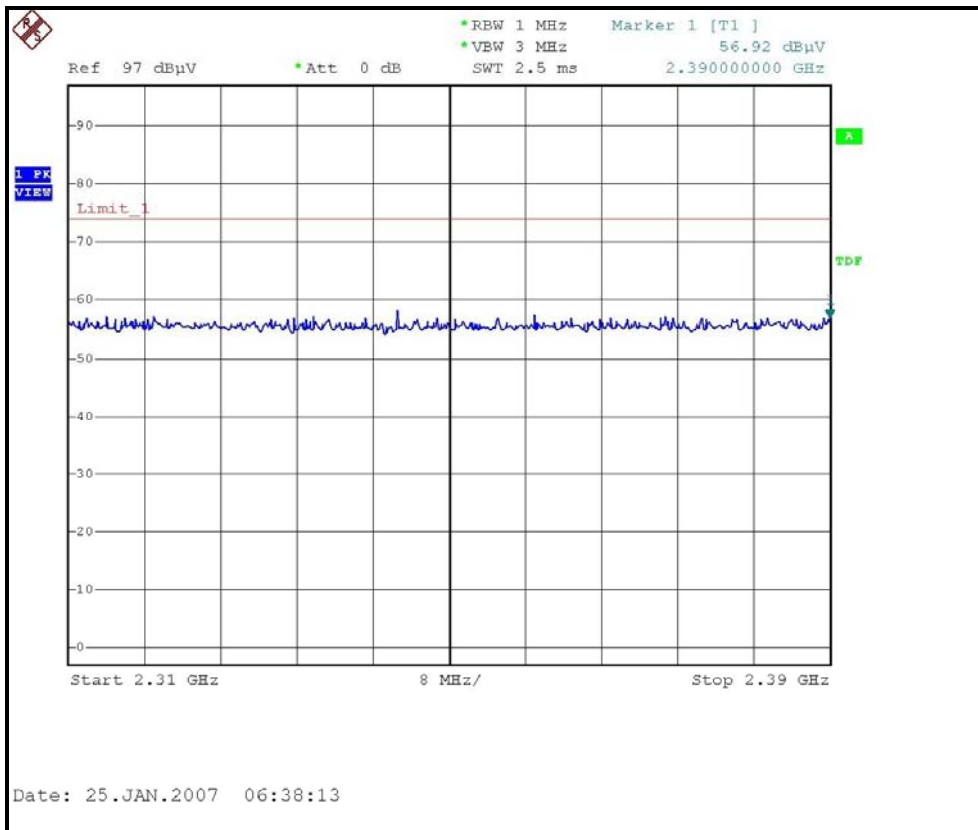
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	56.90 PK	74.00	-17.10	1.41 H	151	25.00	31.90
1	2390.00	44.90 AV	54.00	-9.10	1.41 H	151	13.00	31.90
2	*2437.00	96.10 PK			1.41 H	151	64.00	32.10
2	*2437.00	86.00 AV			1.41 H	151	53.90	32.10
3	2483.50	59.60 PK	74.00	-14.40	1.41 H	151	27.30	32.30
3	2483.50	45.80 AV	54.00	-8.20	1.41 H	151	13.50	32.30
4	3249.00	49.90 PK	76.10	-26.20	1.00 H	345	16.70	33.20
4	3249.00	44.00 AV	66.00	-22.00	1.00 H	345	10.80	33.20
5	4874.00	47.60 PK	74.00	-26.40	1.00 H	252	11.50	36.10
5	4874.00	33.50 AV	54.00	-20.50	1.00 H	252	-2.60	36.10
6	7311.00	52.50 PK	74.00	-21.50	1.16 H	288	10.00	42.50
6	7311.00	38.50 AV	54.00	-15.50	1.16 H	288	-4.00	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

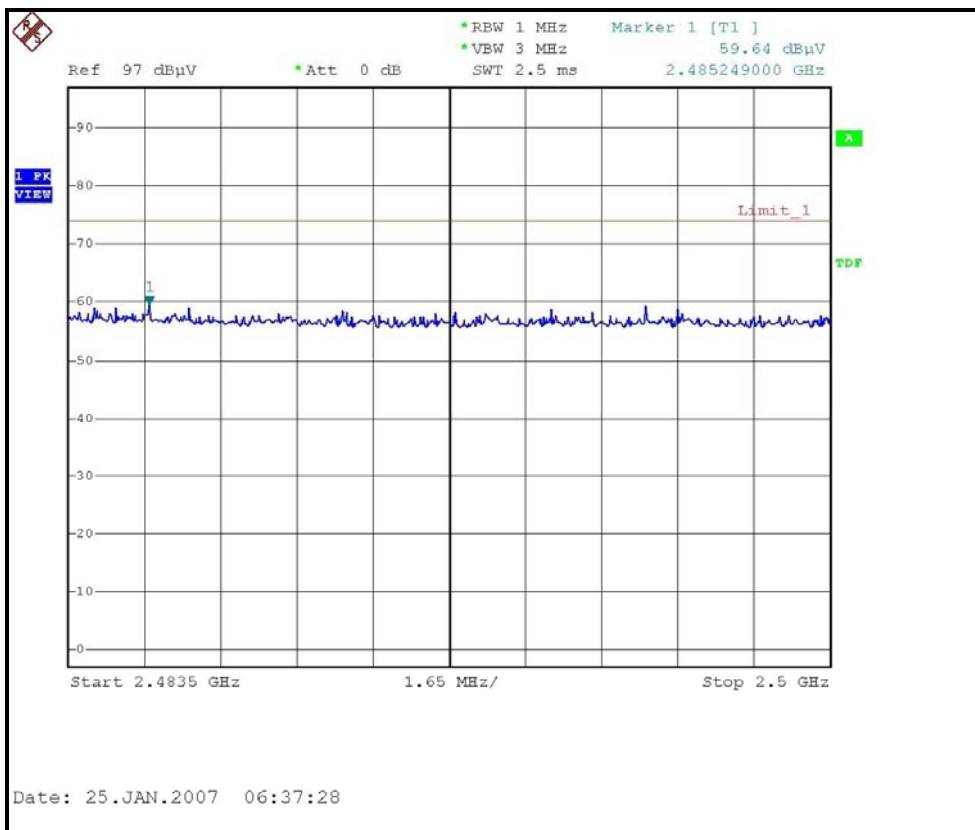
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	67.00 PK	74.00	-7.00	1.14 V	178	35.10	31.90
1	2390.00	51.70 AV	54.00	-2.30	1.14 V	178	19.80	31.90
2	*2437.00	112.80 PK			1.14 V	178	80.70	32.10
2	*2437.00	102.00 AV			1.14 V	178	69.90	32.10
3	2483.50	71.10 PK	74.00	-2.90	1.14 V	178	38.80	32.30
3	2483.50	53.20 AV	54.00	-0.80	1.14 V	178	20.90	32.30
4	3249.00	53.20 PK	92.80	-39.60	1.00 V	71	20.00	33.20
4	3249.00	49.40 AV	82.00	-32.60	1.00 V	71	16.20	33.20
5	4874.00	49.20 PK	74.00	-24.80	1.32 V	198	13.10	36.10
5	4874.00	34.60 AV	54.00	-19.40	1.32 V	198	-1.50	36.10
6	7311.00	53.70 PK	74.00	-20.30	1.31 V	317	11.20	42.50
6	7311.00	39.20 AV	54.00	-14.80	1.31 V	317	-3.30	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

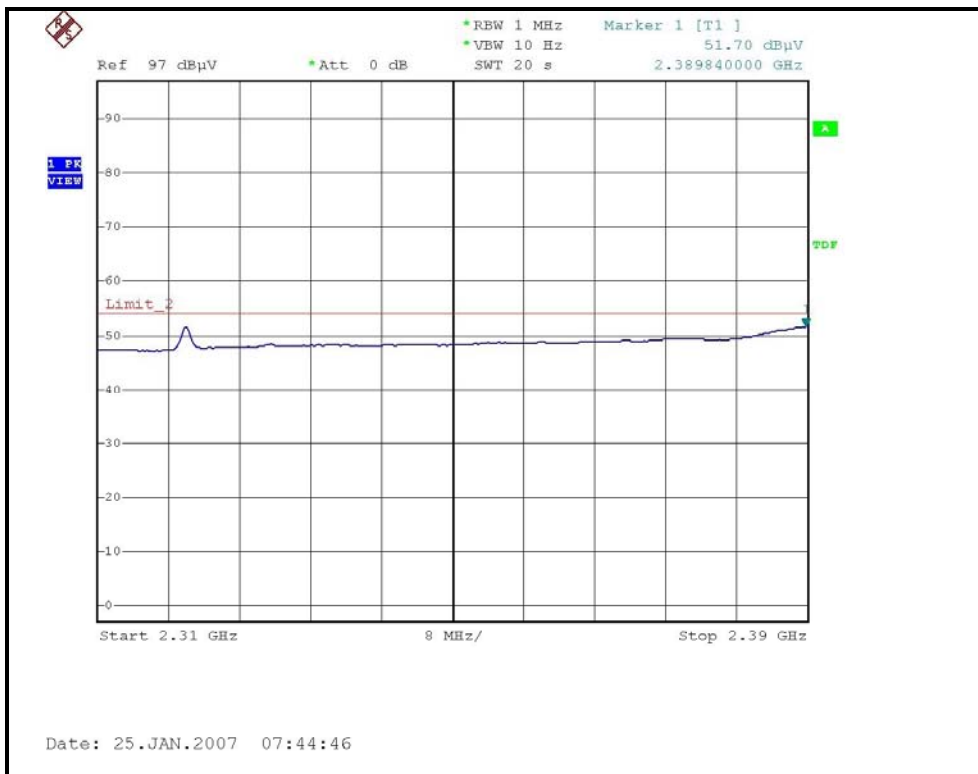
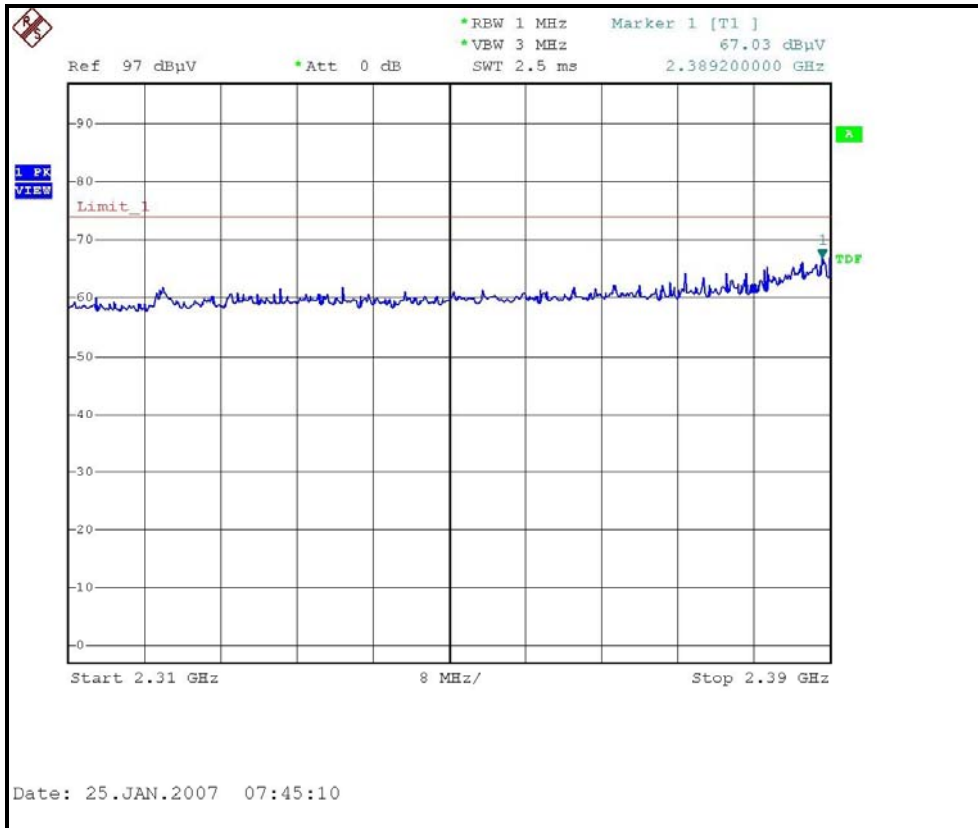
RESTRICTED BANDEDGE (802.11g MODE,CH6, HORIZONTAL)



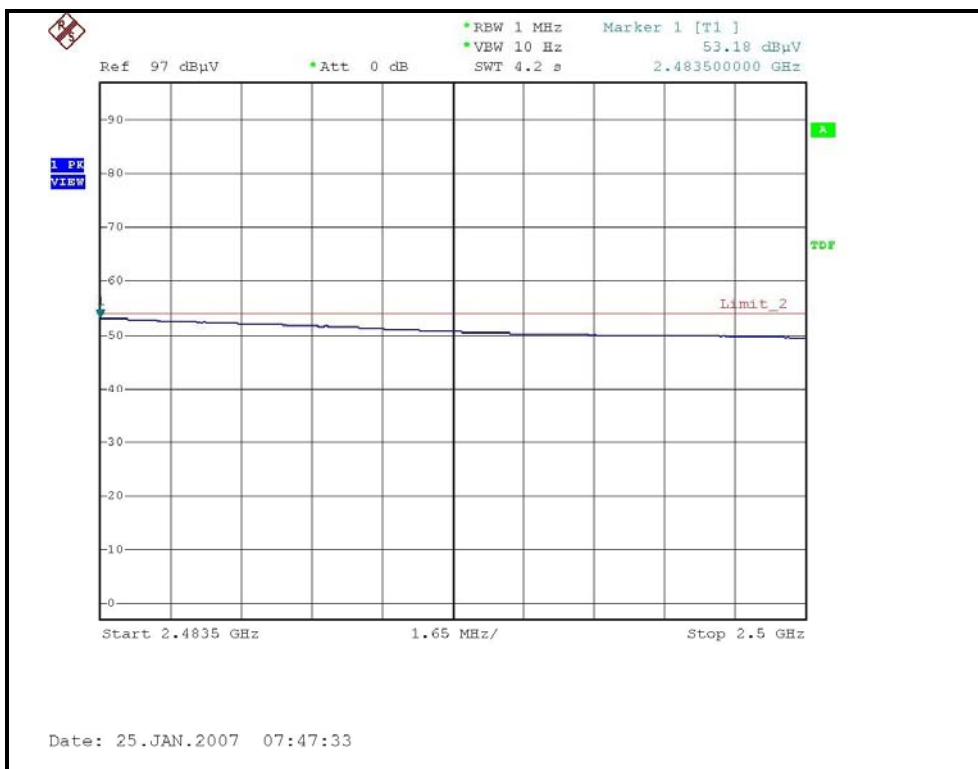
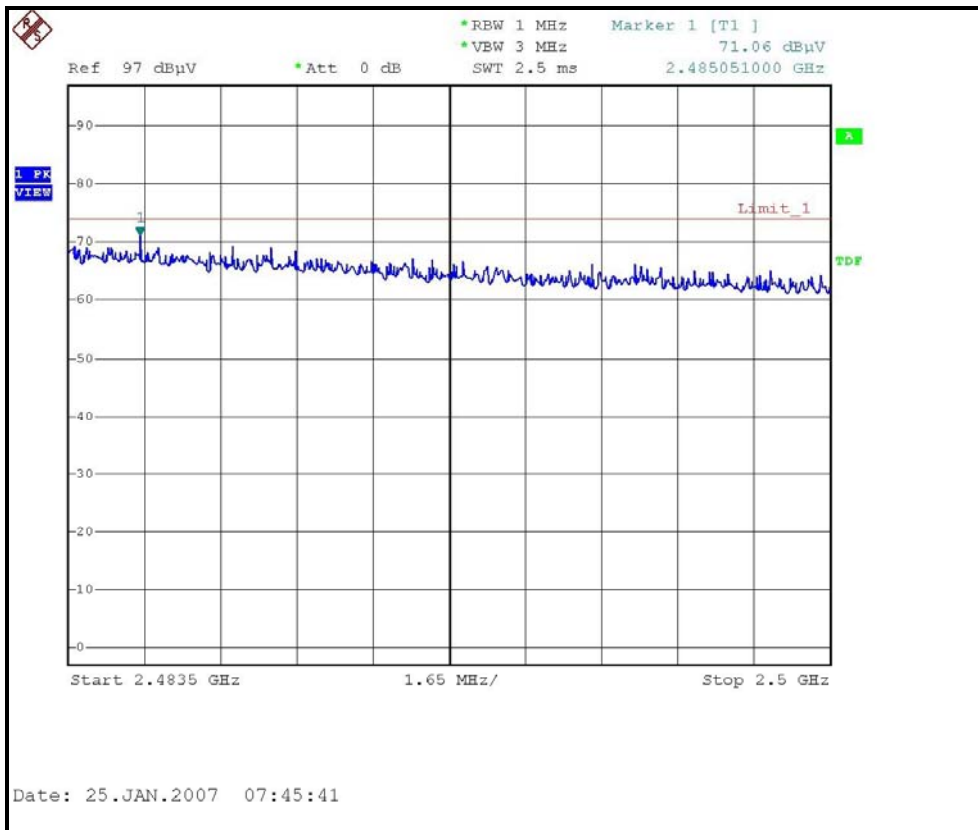
RESTRICTED BANDEDGE (802.11g MODE, CH6, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE,CH6, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE,CH6, VERTICAL)



4.2.7 TEST RESULTS (Antenna 5)

Below 1GHz Worst-Case Data (Normal mode)

MODULATION TYPE	BPSK	CHANNEL	Channel 6
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	17deg. C, 60%RH, 965hPa	TRANSFER RATE	6Mbps
TESTED BY	Rex Huang	DETECTOR FUNCTION	Quasi-Peak, 120kHz

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	124.95	30.00 QP	43.50	-13.50	1.99 H	217	17.70	12.30
2	249.95	27.00 QP	46.00	-19.00	1.66 H	89	13.20	13.80
3	500.00	28.80 QP	46.00	-17.20	1.18 H	36	8.40	20.40
4	624.94	32.80 QP	46.00	-13.20	1.73 H	116	10.30	22.50
5	750.02	34.00 QP	46.00	-12.00	1.24 H	345	9.70	24.30
6	875.01	35.30 QP	46.00	-10.70	1.05 H	266	10.10	25.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.02	33.20 QP	43.50	-10.30	1.00 V	116	20.90	12.30
2	250.08	27.20 QP	46.00	-18.80	1.00 V	56	13.40	13.80
3	500.01	31.70 QP	46.00	-14.30	1.00 V	332	11.30	20.40
4	624.99	32.00 QP	46.00	-14.00	1.46 V	226	9.40	22.50
5	749.99	34.50 QP	46.00	-11.50	1.32 V	290	10.10	24.30
6	874.90	34.90 QP	46.00	-11.10	1.04 V	297	9.60	25.30

- 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 (Turbo mode)

MODULATION TYPE	BPSK	CHANNEL	Channel 6
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	17deg. C, 60%RH, 965hPa	TRANSFER RATE	12Mbps
TESTED BY	Rex Huang	DETECTOR FUNCTION	Quasi-Peak, 120kHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.08	30.60 QP	43.50	-12.90	2.04 H	96	18.30	12.30
2	249.96	26.70 QP	46.00	-19.30	1.48 H	190	12.90	13.80
3	500.06	29.50 QP	46.00	-16.50	1.66 H	148	9.10	20.40
4	625.00	32.80 QP	46.00	-13.20	1.74 H	78	10.30	22.50
5	750.06	34.50 QP	46.00	-11.50	1.27 H	298	10.20	24.30
6	875.09	36.40 QP	46.00	-9.60	1.04 H	231	11.10	25.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.02	32.90 QP	43.50	-10.60	1.00 V	119	20.60	12.30
2	250.01	26.20 QP	46.00	-19.80	1.00 V	267	12.40	13.80
3	499.99	31.40 QP	46.00	-14.60	1.00 V	273	11.10	20.40
4	624.98	31.70 QP	46.00	-14.30	1.39 V	317	9.20	22.50
5	750.02	34.20 QP	46.00	-11.80	1.29 V	265	9.90	24.30
6	875.00	34.90 QP	46.00	-11.10	1.08 V	331	9.60	25.30

- 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

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2386.00	56.90 PK	74.00	-17.10	1.16 H	197	25.00	31.90
1	2386.00	44.90 AV	54.00	-9.10	1.16 H	197	13.00	31.90
2	*2412.00	92.90 PK			1.16 H	197	60.90	32.00
2	*2412.00	88.20 AV			1.16 H	197	56.20	32.00
3	3216.00	48.50 PK	72.90	-24.40	1.00 H	333	15.30	33.20
3	3216.00	40.50 AV	68.20	-27.70	1.00 H	333	7.30	33.20
4	4824.00	48.70 PK	74.00	-25.30	1.34 H	343	12.70	36.00
4	4824.00	37.90 AV	54.00	-16.10	1.34 H	343	1.90	36.00
5	7236.00	53.20 PK	74.00	-20.80	1.07 H	331	11.00	42.20
5	7236.00	39.50 AV	54.00	-14.50	1.07 H	331	-2.70	42.20

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	2386.00	60.10 PK	74.00	-13.90	1.23 V	174	28.20	31.90
1	2386.00	49.90 AV	54.00	-4.10	1.23 V	174	18.00	31.90
2	*2412.00	110.70 PK			1.23 V	174	78.70	32.00
2	*2412.00	106.10 AV			1.23 V	174	74.10	32.00
3	3216.00	54.00 PK	90.70	-36.70	1.00 V	72	20.80	33.20
3	3216.00	50.70 AV	86.10	-35.40	1.00 V	72	17.50	33.20
4	4824.00	49.90 PK	74.00	-24.10	1.16 V	187	13.90	36.00
4	4824.00	45.20 AV	54.00	-8.80	1.16 V	187	9.20	36.00
5	7236.00	53.10 PK	74.00	-20.90	1.27 V	314	10.90	42.20
5	7236.00	39.60 AV	54.00	-14.40	1.27 V	314	-2.60	42.20

- 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

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2390.00	56.30 PK	74.00	-17.70	1.86 H	179	24.40	31.90
1	2390.00	44.80 AV	54.00	-9.20	1.86 H	179	12.90	31.90
2	*2437.00	96.00 PK			1.86 H	179	63.90	32.10
2	*2437.00	91.00 AV			1.86 H	179	58.90	32.10
3	2483.50	58.10 PK	74.00	-15.90	1.86 H	179	25.80	32.30
3	2483.50	45.20 AV	54.00	-8.80	1.86 H	179	12.90	32.30
4	3249.00	48.90 PK	76.00	-27.10	1.00 H	347	15.70	33.20
4	3249.00	41.00 AV	71.00	-30.00	1.00 H	347	7.80	33.20
5	4874.00	50.10 PK	74.00	-23.90	1.30 H	342	14.00	36.10
5	4874.00	42.20 AV	54.00	-11.80	1.30 H	342	6.10	36.10
6	7311.00	53.60 PK	74.00	-20.40	1.06 H	315	11.10	42.50
6	7311.00	40.30 AV	54.00	-13.70	1.06 H	315	-2.20	42.50

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	2320.00	58.20 PK	74.00	-15.80	1.24 V	178	26.50	31.70
1	2320.00	47.30 AV	54.00	-6.70	1.24 V	178	15.60	31.70
2	*2437.00	113.80 PK			1.24 V	178	81.70	32.10
2	*2437.00	109.60 AV			1.24 V	178	77.50	32.10
3	2483.50	60.70 PK	74.00	-13.30	1.24 V	178	28.40	32.30
3	2483.50	47.10 AV	54.00	-6.90	1.24 V	178	14.80	32.30
4	3249.00	53.50 PK	93.80	-40.30	1.00 V	70	20.30	33.20
4	3249.00	50.10 AV	89.60	-39.50	1.00 V	70	16.90	33.20
5	4874.00	53.60 PK	74.00	-20.40	1.15 V	190	17.50	36.10
5	4874.00	48.90 AV	54.00	-5.10	1.15 V	190	12.80	36.10
6	7311.00	55.60 PK	74.00	-18.40	1.30 V	311	13.10	42.50
6	7311.00	44.50 AV	54.00	-9.50	1.30 V	311	2.00	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex Huang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

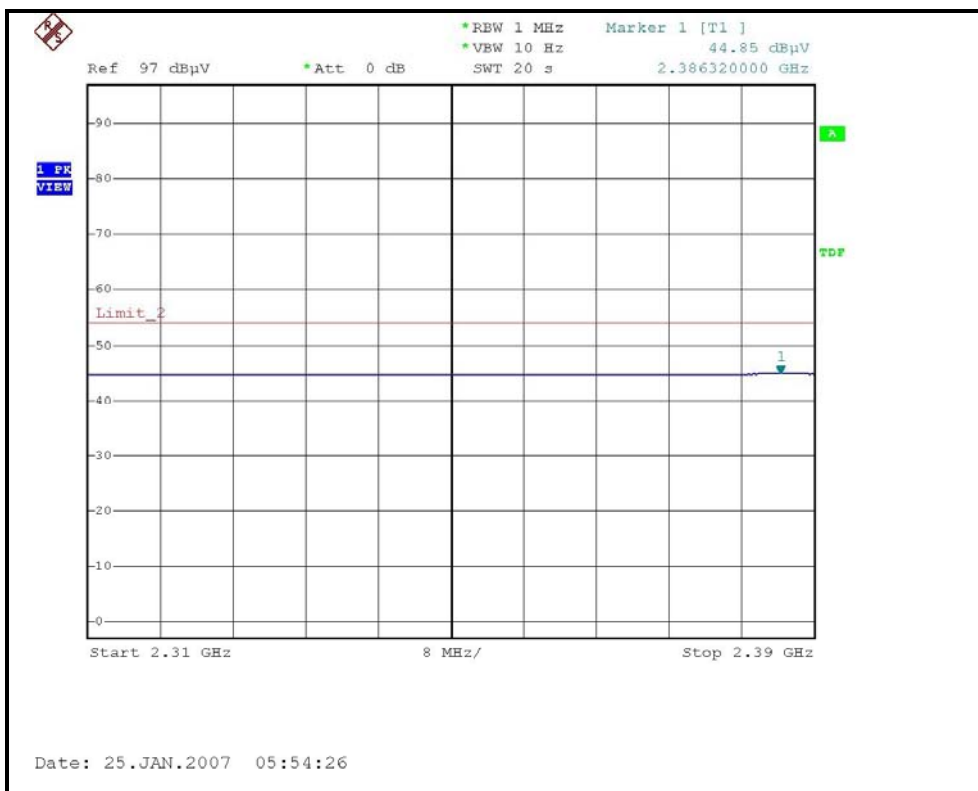
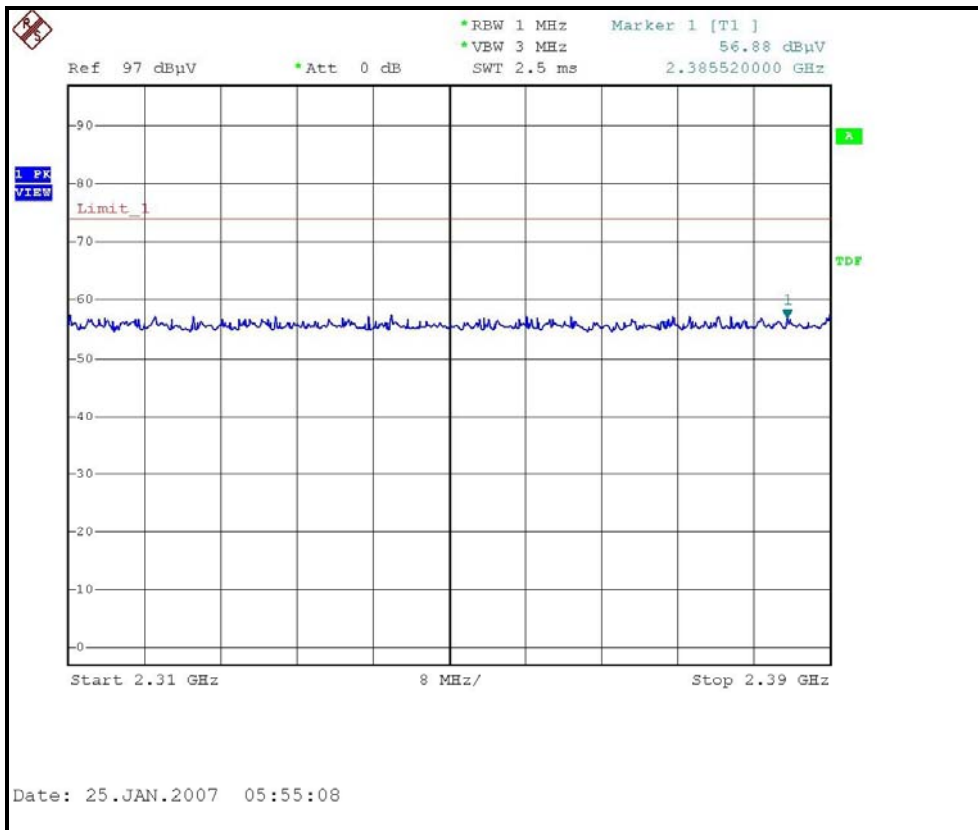
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	91.70 PK			1.45 H	159	59.50	32.20
1	*2462.00	87.00 AV			1.45 H	159	54.80	32.20
2	2483.50	57.00 PK	74.00	-17.00	1.45 H	159	24.70	32.30
2	2483.50	45.20 AV	54.00	-8.80	1.45 H	159	12.90	32.30
3	3282.00	49.40 PK	71.70	-22.30	1.00 H	352	16.10	33.30
3	3282.00	41.50 AV	67.00	-25.50	1.00 H	352	8.20	33.30
4	4924.00	48.40 PK	74.00	-25.60	1.35 H	336	12.20	36.20
4	4924.00	37.10 AV	54.00	-16.90	1.35 H	336	0.90	36.20
5	7386.00	53.10 PK	74.00	-20.90	1.08 H	324	10.30	42.80
5	7386.00	39.60 AV	54.00	-14.40	1.08 H	324	-3.20	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

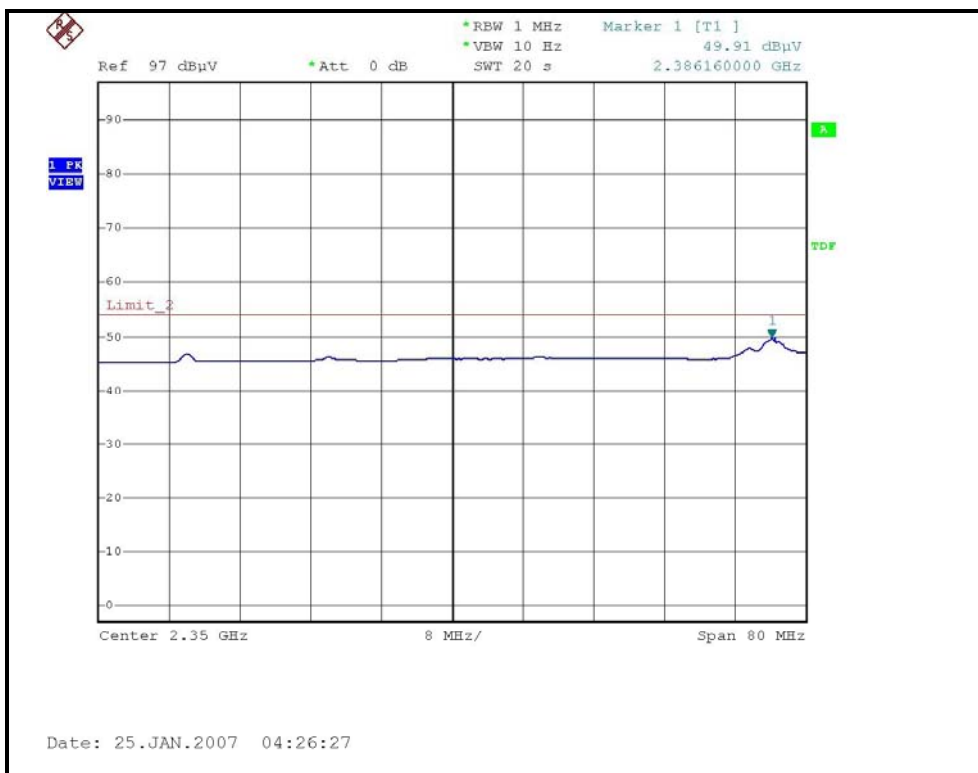
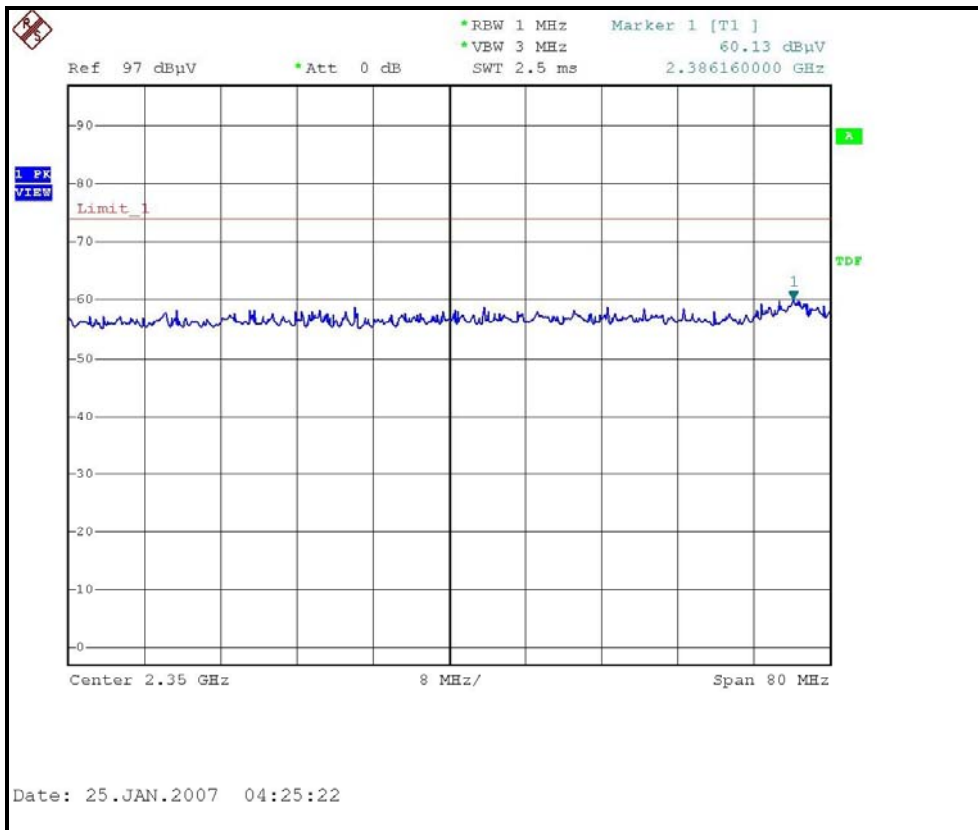
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	111.00 PK			1.25 V	180	78.80	32.20
1	*2462.00	106.50 AV			1.25 V	180	74.30	32.20
2	2488.00	61.50 PK	74.00	-12.50	1.25 V	180	29.20	32.30
2	2488.00	51.20 AV	54.00	-2.80	1.25 V	180	18.90	32.30
3	3282.00	53.20 PK	91.00	-37.80	1.00 V	70	19.90	33.30
3	3282.00	49.90 AV	86.50	-36.60	1.00 V	70	16.60	33.30
4	4924.00	47.80 PK	74.00	-26.20	1.17 V	181	11.60	36.20
4	4924.00	43.10 AV	54.00	-10.90	1.17 V	181	6.90	36.20
5	7386.00	52.70 PK	74.00	-21.30	1.30 V	318	9.90	42.80
5	7386.00	39.50 AV	54.00	-14.50	1.30 V	318	-3.30	42.80

- 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

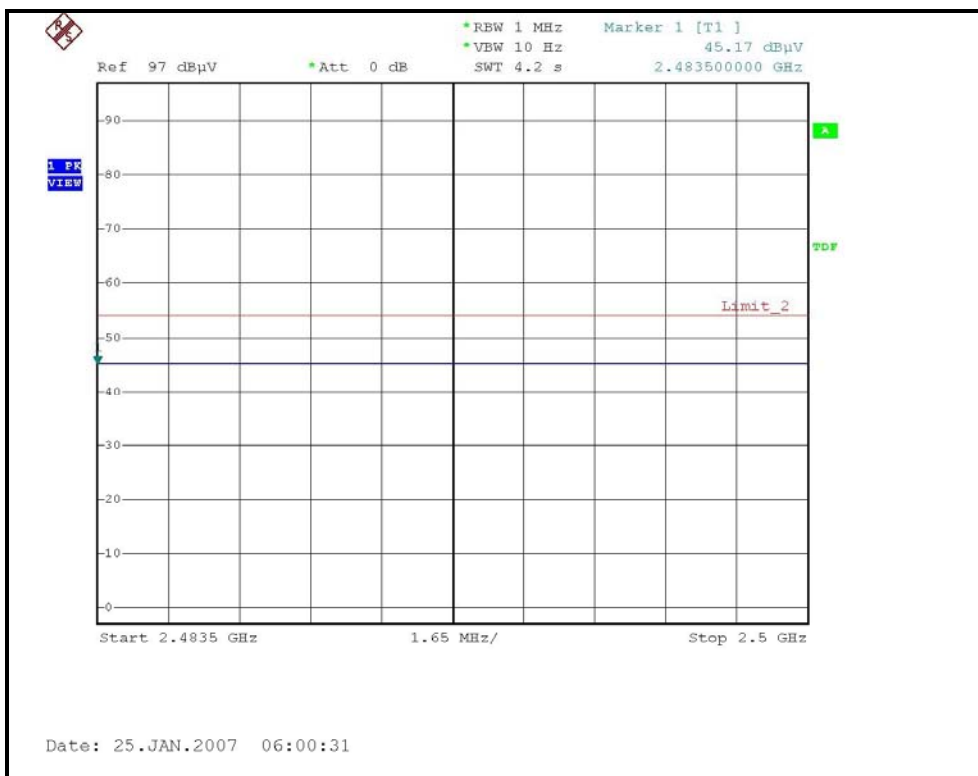
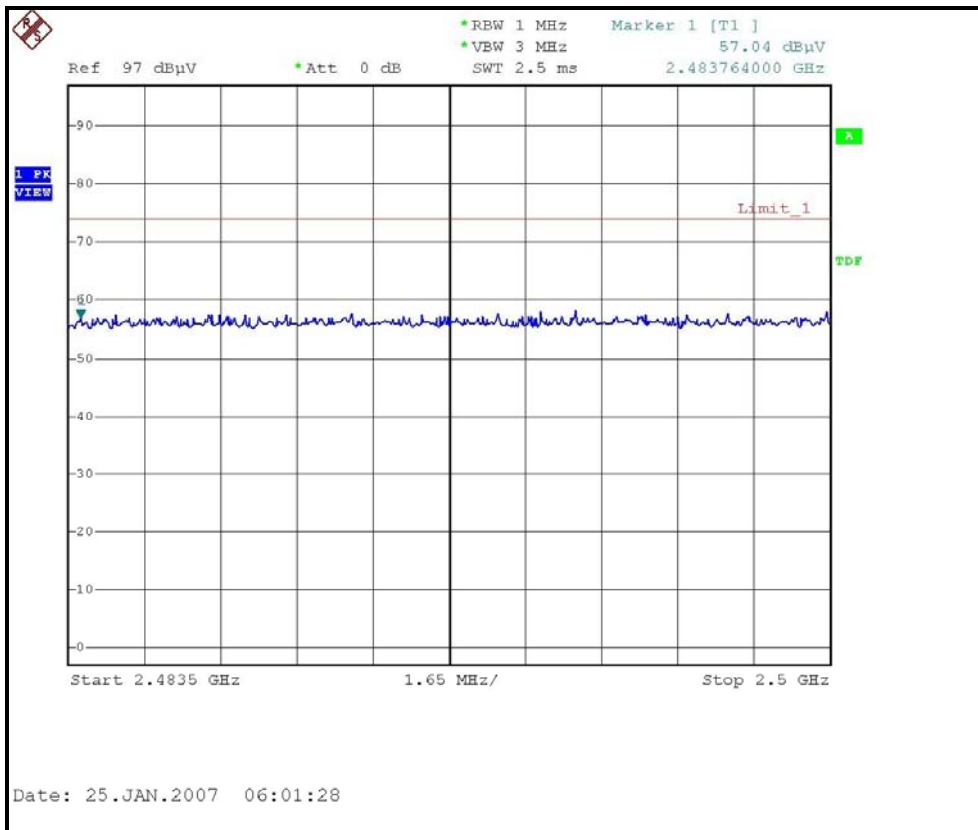
RESTRICTED BANDEDGE (802.11b MODE,CH1, HORIZONTAL)



RESTRICTED BANDEDGE (802.11b MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11b MODE,CH11, HORIZONTAL)





802.11g Normal OFDM modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2390.00	56.90 PK	74.00	-17.10	1.15 H	196	25.00	31.90
1	2390.00	44.80 AV	54.00	-9.20	1.15 H	196	12.90	31.90
2	*2412.00	92.90 PK			1.15 H	196	60.90	32.00
2	*2412.00	82.40 AV			1.15 H	196	50.40	32.00
3	3216.00	49.00 PK	72.90	-23.90	1.00 H	343	15.80	33.20
3	3216.00	42.60 AV	62.40	-19.80	1.00 H	343	9.40	33.20
4	4824.00	47.60 PK	74.00	-26.40	1.32 H	354	11.60	36.00
4	4824.00	33.50 AV	54.00	-20.50	1.32 H	354	-2.50	36.00
5	7236.00	53.00 PK	74.00	-21.00	1.08 H	326	10.80	42.20
5	7236.00	39.40 AV	54.00	-14.60	1.08 H	326	-2.80	42.20

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	65.60 PK	74.00	-8.40	1.26 V	174	33.70	31.90
1	2390.00	49.60 AV	54.00	-4.40	1.26 V	174	17.70	31.90
2	*2412.00	110.70 PK			1.26 V	174	78.70	32.00
2	*2412.00	100.10 AV			1.26 V	174	68.10	32.00
3	3216.00	55.10 PK	90.70	-35.60	1.00 V	72	21.90	33.20
3	3216.00	51.90 AV	80.10	-28.20	1.00 V	72	18.70	33.20
4	4824.00	51.50 PK	74.00	-22.50	1.15 V	186	15.50	36.00
4	4824.00	39.10 AV	54.00	-14.90	1.15 V	186	3.10	36.00
5	7236.00	53.40 PK	74.00	-20.60	1.28 V	312	11.20	42.20
5	7236.00	39.70 AV	54.00	-14.30	1.28 V	312	-2.50	42.20

- 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

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex 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	2390.00	57.10 PK	74.00	-16.90	1.86 H	180	25.20	31.90
1	2390.00	44.80 AV	54.00	-9.20	1.86 H	180	12.90	31.90
2	*2437.00	100.20 PK			1.86 H	180	68.10	32.10
2	*2437.00	89.60 AV			1.86 H	180	57.50	32.10
3	2483.50	57.40 PK	74.00	-16.60	1.86 H	180	25.10	32.30
3	2483.50	45.20 AV	54.00	-8.80	1.86 H	180	12.90	32.30
4	3249.00	49.20 PK	80.20	-31.00	1.00 H	346	16.00	33.20
4	3249.00	42.70 AV	69.60	-26.90	1.00 H	346	9.50	33.20
5	4874.00	49.00 PK	74.00	-25.00	1.34 H	341	12.90	36.10
5	4874.00	35.20 AV	54.00	-18.80	1.34 H	341	-0.90	36.10
6	7311.00	54.90 PK	74.00	-19.10	1.03 H	318	12.40	42.50
6	7311.00	41.20 AV	54.00	-12.80	1.03 H	318	-1.30	42.50

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	2390.00	67.10 PK	74.00	-6.90	1.23 V	177	35.20	31.90
1	2390.00	48.90 AV	54.00	-5.10	1.23 V	177	17.00	31.90
2	*2437.00	118.20 PK			1.23 V	177	86.10	32.10
2	*2437.00	107.40 AV			1.23 V	177	75.30	32.10
3	2483.50	68.50 PK	74.00	-5.50	1.23 V	177	36.20	32.30
3	2483.50	50.50 AV	54.00	-3.50	1.23 V	177	18.20	32.30
4	3249.00	54.00 PK	98.20	-44.20	1.00 V	71	20.80	33.20
4	3249.00	50.70 AV	87.40	-36.70	1.00 V	71	17.50	33.20
5	4874.00	55.20 PK	74.00	-18.80	1.14 V	187	19.10	36.10
5	4874.00	39.60 AV	54.00	-14.40	1.14 V	187	3.50	36.10
6	7311.00	61.70 PK	74.00	-12.30	1.29 V	316	19.20	42.50
6	7311.00	46.50 AV	54.00	-7.50	1.29 V	316	4.00	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * ” : Fundamental frequency

MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	18 deg. C, 68%RH, 965hPa	TESTED BY	Rex Huang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

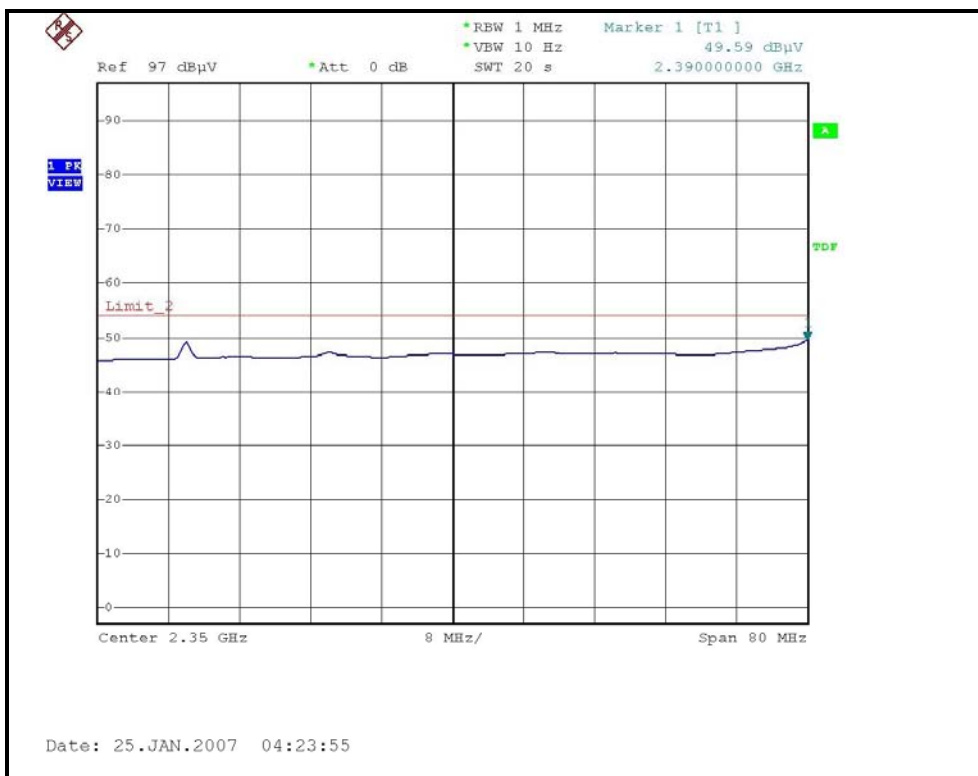
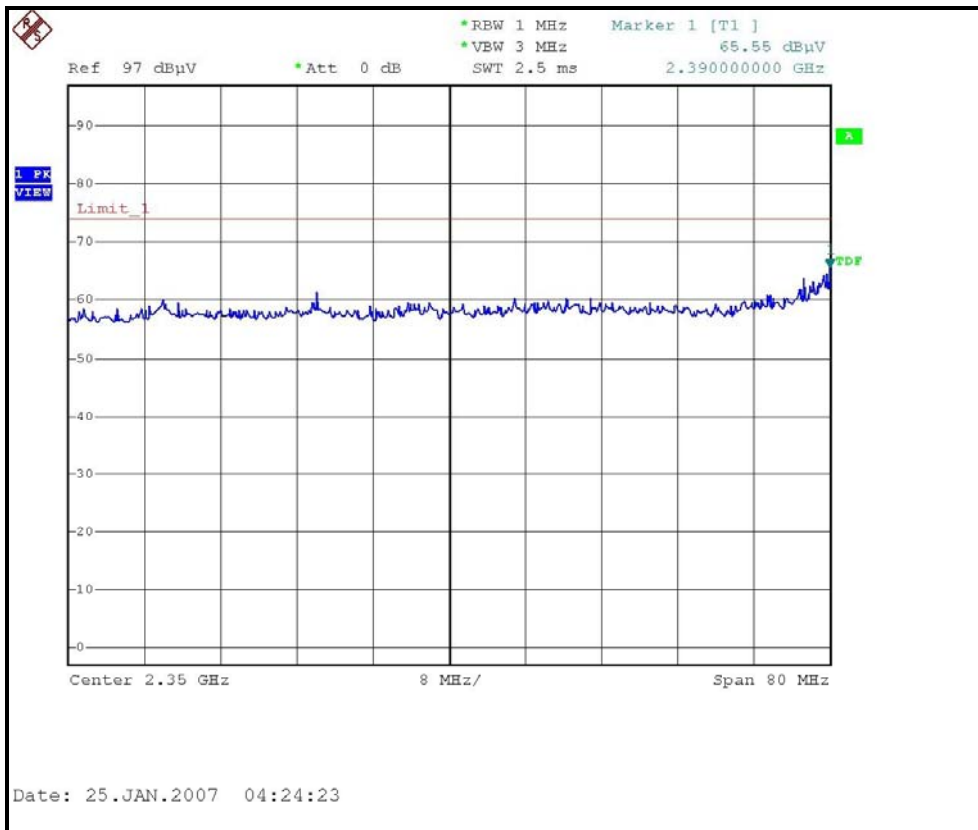
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	91.40 PK			1.44 H	168	59.20	32.20
1	*2462.00	80.70 AV			1.44 H	168	48.50	32.20
2	2483.50	57.90 PK	74.00	-16.10	4.00 H	168	25.60	32.30
2	2483.50	45.20 AV	54.00	-8.80	4.00 H	168	12.90	32.30
3	3282.00	49.70 PK	71.40	-21.70	1.00 H	342	16.40	33.30
3	3282.00	43.10 AV	60.70	-17.60	1.00 H	342	9.80	33.30
4	4924.00	48.10 PK	74.00	-25.90	1.32 H	341	11.90	36.20
4	4924.00	33.80 AV	54.00	-20.20	1.32 H	341	-2.40	36.20
5	7386.00	52.90 PK	74.00	-21.10	1.09 H	326	10.10	42.80
5	7386.00	39.50 AV	54.00	-14.50	1.09 H	326	-3.30	42.80

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	*2462.00	111.50 PK			1.23 V	179	79.30	32.20
1	*2462.00	100.30 AV			1.23 V	179	68.10	32.20
2	2483.50	67.90 PK	74.00	-6.10	1.23 V	179	35.60	32.30
2	2483.50	50.80 AV	54.00	-3.20	1.23 V	179	18.50	32.30
3	3282.00	54.40 PK	91.50	-37.10	1.00 V	71	21.10	33.30
3	3282.00	51.20 AV	80.30	-29.10	1.00 V	71	17.90	33.30
4	4924.00	50.90 PK	74.00	-23.10	1.19 V	184	14.70	36.20
4	4924.00	36.10 AV	54.00	-17.90	1.19 V	184	-0.10	36.20
5	7386.00	53.10 PK	74.00	-20.90	1.31 V	321	10.30	42.80
5	7386.00	39.60 AV	54.00	-14.40	1.31 V	321	-3.20	42.80

- 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

RESTRICTED BANDEDGE (802.11g MODE, CH1, VERTICAL)





RESTRICTED BANDEDGE (802.11g MODE, CH11, HORIZONTAL)

