

FCC TEST REPORT

REPORT NO.: RF950525H10A

MODEL NO.: WMP-G11

RECEIVED: Jan. 18, 2007

TESTED: July 30 to Aug. 09, 2007

ISSUED: Aug. 09, 2007

APPLICANT: Alpha Networks Inc.

ADDRESS: No.8 Li-shing 7th Rd., Science-based Industrial
Park, Hsinchu, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: No. 81-1, Lu Liao Keng, 9 Ling, Wu Lung Tsuen,
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1 CERTIFICATION

PRODUCT : Wireless Lan Card
BRAND NAME : Alpha
MODEL NO. : WMP-G11
TESTED: July 30 to Aug. 09, 2007
APPLICANT : Alpha Networks Inc.
TEST ITEM: ENGINEERING SAMPLE
STANDARDS : 47 CFR Part 15, Subpart C (Section 15.247)
ANSI C63.4-2003

The above equipment (Model: WMP-G11) 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 : Carol Liao , **DATE:** Aug. 09, 2007
(Carol Liao, Specialist)

TECHNICAL
ACCEPTANCE : Hank Chung , **DATE:** Aug. 09, 2007
Responsible for RF (Hank Chung, Deputy Manager)

APPROVED BY : May Chen , **DATE:** Aug. 09, 2007
(May Chen, 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 -14.29 dB at 0.177 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 -0.11 dB at 2483.5 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	2.41 dB
Radiated emissions (30MHz-1GHz)	3.89 dB
Radiated emissions (1GHz -18GHz)	2.21 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless Lan Card
MODEL NO.	WMP-G11
FCC ID	RRK2005100093
POWER SUPPLY	DC 3.3V from host equipment
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
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
CHANNEL SPACING	5MHz
OUTPUT POWER	802.11b: 66.069mW 802.11g: 51.286mW
ANTENNA TYPE	Please see note 1 below
DATA CABLE	NA
I/O PORT	NA

NOTE:

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

No.	Antenna Type	Gain (dBi)	Connector Type	Antenna gain include cable loss
1	$\lambda/4$ Dipole	2.25 dBi	SMA Reverse	No
2	$\lambda/4$ Dipole	2.24 dBi	I-PEX	Yes
3	$1/4\lambda$ Dipole Sleeve	2.1 dBi	RP-SMA (M)	No
4	$1/4\lambda$ Dipole Sleeve	2.1 dBi	RP-SMA (M)	No
5	$1/4\lambda$ Dipole Sleeve	2.1 dBi	RP-SMA (M)	No
6	PCB	1.14 dBi	I-PEX	Yes
7	$1/4 \lambda$ Dipole Sleeve	2.1 dBi	SMA Reverse	No
I Antenna 1,3,4,5 could choose antenna cable 1,2,3; Antenna 7 could choose antenna cable 4,5 (refer to table of NOTE 2) ° I From above antennas, antenna 2 and 6 were chosen for final test.				

- There are five antenna cables provided to above antennas:

No.	Brand Name	Model No.	Cable length (cm)	Cable loss (dBi)
1	WAN SHIH	SOW1294A1	11.66	0.71
2	KIN SUN	6603070205-105	10.5	0.5
3	WAN SHIH	SOW1916A1	11.9	0.57
4	WAN SHIH	THW1572A1	9	0.52
5	WAN SHIH	SAW0085A2	16	0.69

3. The EUT was manufactured by following manufacturers:

Manufacturer	Manufacturer Address
Alpha Networks Inc. (Taiwan)	No.8 Li-shing 7th Rd., Science-based Industrial Park, Hsinchu, Taiwan, R.O.C.
Alpha Networks Inc. (China)	523850 Jie Kuo Zhuan Chang District, Chang An Dongguan City,Guangdong Province, China

4. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.
5. The EUT complies with IEEE 802.11g standards, and backwards compatible with IEEE 802.11b products.
6. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

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		

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL:

EUT configure mode	Applicable to				Description
	PLC	RE<1G	RE [≥] 1G	APCM	
-	√	√	√	√	NA

Where PLC: Power Line Conducted Emission

RE<1G: 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

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)
802.11b	1 to 11	1	DSSS	CCK	1

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

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

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

3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a Wireless Lan Card. 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

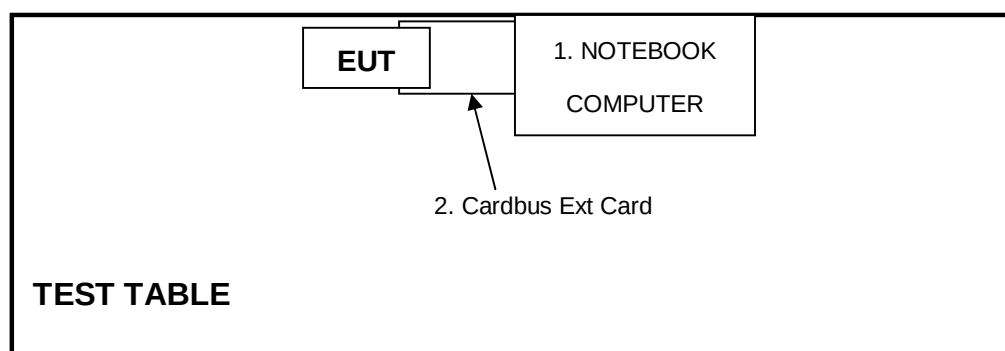
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK COMPUTER	DELL	PP18L	6976685584	FCC Doc
2	Cardbus Ext Card	NA	NA	NA	NA

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

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

3.6 CONFIGURATION OF SYSTEM UNDER 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 (dBμV)	
	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

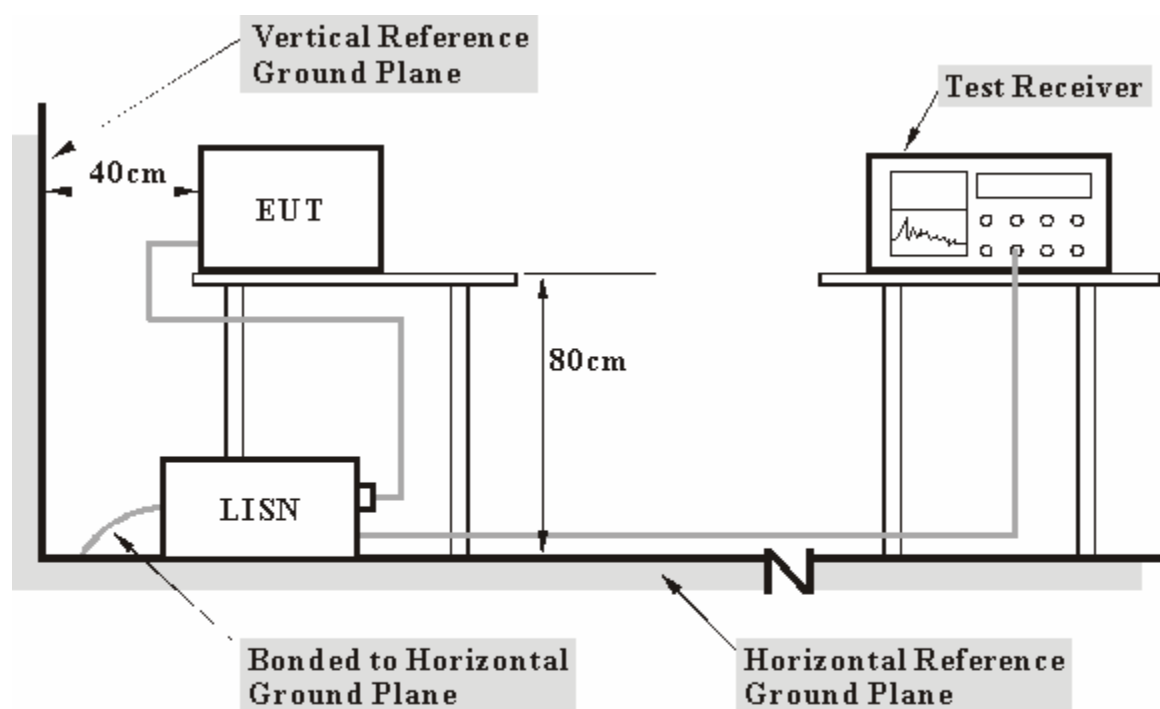
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver	ESCS 30	847124/029	Mar. 28, 2008
Line-Impedance Stabilization Network(for EUT)	ENV-216	100071	Nov. 26, 2007
Line-Impedance Stabilization Network(for Peripheral)	ESH3-Z5	848773/004	Oct. 26, 2007
RF Cable (JETBAO)	RG233/U	Cable_CB_01	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

- 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.
- Both lines of the power mains connected to the EUT/HOST were checked for maximum conducted interference.
- 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:**
- Support units were connected to second LISN.
 - Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

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

4.1.5 EUT OPERATING CONDITIONS

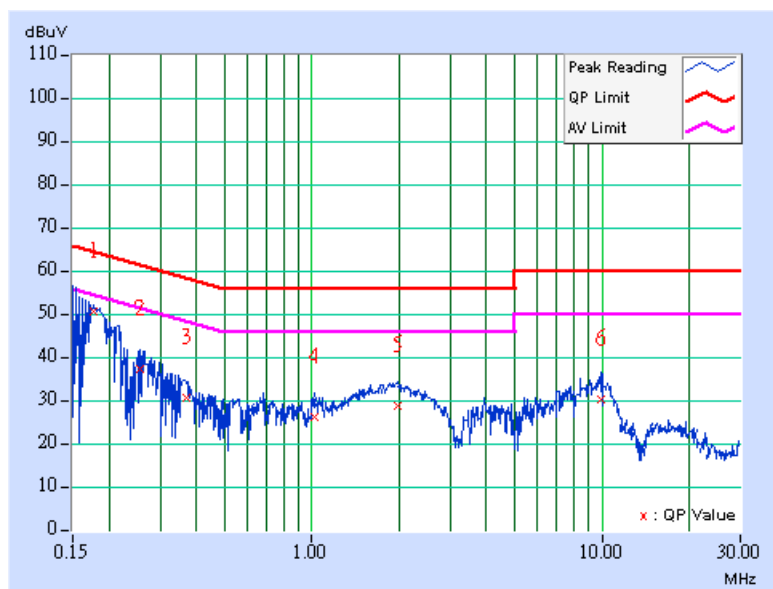
- a. Connect the EUT with the support unit 1 (Notebook computer) and placed it on the testing table via support unit 2 (Cardbus Ext Card).
- b. The support unit 1 (Notebook computer) ran a test program “QATest_QA2561” to enable EUT under transmission condition continuously at specific channel frequency.

4.1.6 TEST RESULTS

INPUT POWER	120Vac, 60 Hz	6dB BANDWIDTH	9 kHz
PHASE	Line (L)	TRANSFER RATE	6Mbps
ENVIRONMENTAL CONDITIONS	20deg. C, 62%RH, 960hPa	TESTED BY	Sky Liao

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	0.177	0.40	49.92	-	50.32	-	64.61	54.61	-14.29	-
2	0.255	0.40	36.56	-	36.96	-	61.58	51.58	-24.62	-
3	0.369	0.40	29.83	-	30.23	-	58.53	48.53	-28.30	-
4	1.021	0.40	25.41	-	25.81	-	56.00	46.00	-30.19	-
5	1.974	0.50	28.24	-	28.74	-	56.00	46.00	-27.26	-
6	9.898	0.80	29.67	-	30.47	-	60.00	50.00	-29.53	-

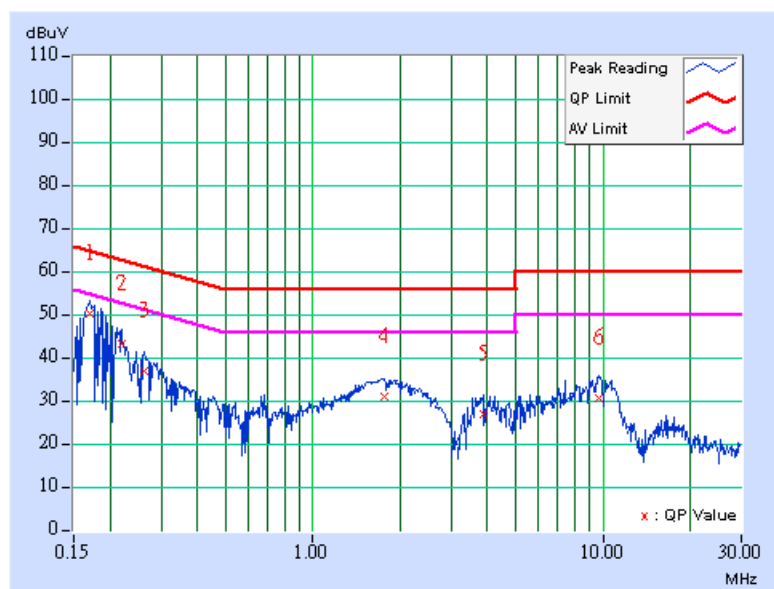
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



INPUT POWER	120Vac, 60 Hz	6dB BANDWIDTH	9 kHz
PHASE	Neutral (N)	TRANSFER RATE	6Mbps
ENVIRONMENTAL CONDITIONS	20deg. C, 62%RH, 960hPa	TESTED BY	Sky Liao

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	0.170	0.20	49.57	-	49.77	-	64.98	54.98	-15.21	-
2	0.220	0.20	42.41	-	42.61	-	62.81	52.81	-20.20	-
3	0.263	0.20	36.03	-	36.23	-	61.33	51.33	-25.10	-
4	1.763	0.38	30.32	-	30.70	-	56.00	46.00	-25.30	-
5	3.883	0.49	26.16	-	26.65	-	56.00	46.00	-29.35	-
6	9.742	0.88	29.90	-	30.78	-	60.00	50.00	-29.22	-

- 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	$2400/F(\text{kHz})$	300
0.490-1.705	$24000/F(\text{kHz})$	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, 2008
HP Pre_Amplifier	8449B	3008A01922	Sep. 18, 2007
ROHDE & SCHWARZ Test Receiver	ESCS30	100375	Sep. 20, 2007
CHASE Broadband Antenna	VULB 9168	138	July 17, 2008
Schwarzbeck Horn_Antenna	BBHA9120	D124	Jan. 01, 2008
Schwarzbeck Horn_Antenna	BBHA 9170	BBHA9170153	Jan. 25, 2008
SCHWARZBECK Biconical Antenna	VHBA9123	459	Jun. 08, 2009
SCHWARZBECK Periodic Antenna	UPA6108	1148	Jun. 08, 2009
R&S Loop Antenna	HFH2-Z2	881058/15	Nov. 29, 2007
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, 2008
Software	ADT_Radiated_V 7.6.15.7	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.
7. Loop antenna was used for all emissions below 30 MHz.

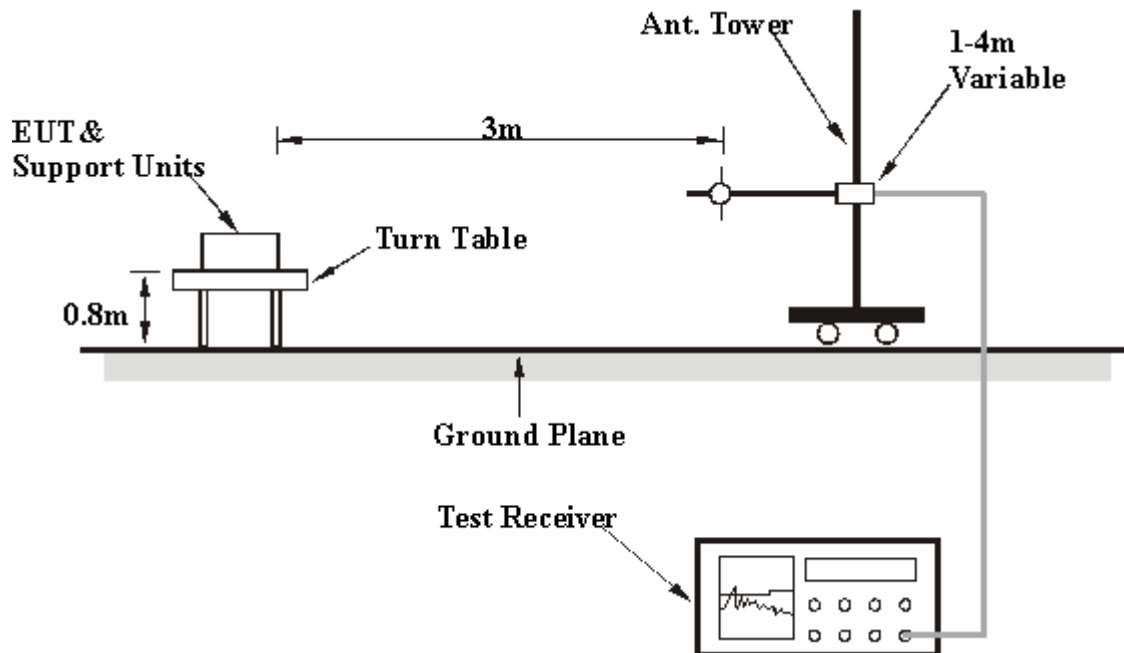
4.2.3 TEST PROCEDURES

- 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 – WITH ANTENNA 2

Below 1GHz Worst-Case Data

MODULATION TYPE	DSSS	CHANNEL	Channel 1
INPUT POWER	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	24deg. C, 70%RH, 960hPa	TRANSFER RATE	1Mbps
TESTED BY	Phoenix 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	41.06	33.06 QP	40.00	-6.94	1.00 H	110	18.71	14.35
2	132.70	27.48 QP	43.50	-16.02	1.00 H	295	14.64	12.84
3	166.53	43.34 QP	43.50	-0.16	1.63 H	177	29.58	13.76
4	200.08	28.58 QP	43.50	-14.92	1.00 H	1	16.98	11.60
5	233.00	37.04 QP	46.00	-8.96	1.26 H	192	24.00	13.04
6	266.75	39.75 QP	46.00	-6.25	1.01 H	120	24.85	14.90
7	365.90	33.31 QP	46.00	-12.69	1.04 H	329	15.41	17.90
8	600.80	34.45 QP	46.00	-11.55	1.04 H	0	9.96	24.49
9	765.35	30.37 QP	46.00	-15.63	1.01 H	18	2.96	27.41
10	863.87	31.52 QP	46.00	-14.48	1.00 H	280	3.00	28.52

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	55.67	30.85 QP	40.00	-9.15	1.00 V	217	16.54	14.31
2	119.84	28.10 QP	43.50	-15.40	1.00 V	56	16.30	11.80
3	166.66	33.87 QP	43.50	-9.63	1.00 V	202	20.12	13.75
4	202.83	27.12 QP	43.50	-16.38	1.00 V	1	15.40	11.72
5	365.60	30.39 QP	46.00	-15.61	1.00 V	60	12.50	17.89
6	600.80	34.38 QP	46.00	-11.62	1.08 V	30	9.89	24.49
7	763.00	30.49 QP	46.00	-15.51	1.20 V	114	3.09	27.40
8	863.70	34.88 QP	46.00	-11.12	1.26 V	143	6.36	28.52
9	900.80	34.29 QP	46.00	-11.71	1.32 V	157	5.42	28.87

- 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	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	2328.88	57.00 PK	74.00	-17.00	1.63 H	241	26.95	30.05
2	2328.88	45.60 AV	54.00	-8.40	1.63 H	241	15.55	30.05
3	*2412.00	100.00 PK			1.52 H	240	69.59	30.41
4	*2412.00	94.40 AV			1.52 H	240	63.99	30.41
5	4824.00	46.20 PK	74.00	-27.80	1.26 H	12	10.41	35.79
6	4824.00	39.10 AV	54.00	-14.90	1.26 H	12	3.31	35.79
7	7236.00	50.80 PK	74.00	-23.20	1.00 H	28	9.20	41.60
8	7236.00	38.40 AV	54.00	-15.60	1.00 H	28	-3.20	41.60
9	14472.00	62.80 PK	74.00	-11.20	1.32 H	50	12.79	50.01
10	14472.00	49.70 AV	54.00	-4.30	1.32 H	50	-0.31	50.01

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	2386.30	61.40 PK	74.00	-12.60	1.40 V	70	31.10	30.30
2	2386.30	50.60 AV	54.00	-3.40	1.40 V	70	20.30	30.30
3	*2412.00	110.30 PK			1.39 V	112	79.89	30.41
4	*2412.00	105.60 AV			1.39 V	112	75.19	30.41
5	4824.00	49.30 PK	74.00	-24.70	1.37 V	7	13.51	35.79
6	4824.00	42.70 AV	54.00	-11.30	1.37 V	7	6.91	35.79
7	7236.00	53.30 PK	74.00	-20.70	1.17 V	267	11.70	41.60
8	7236.00	41.50 AV	54.00	-12.50	1.17 V	267	-0.10	41.60
9	14472.00	63.36 PK	74.00	-10.64	1.23 V	52	13.35	50.01
10	14472.00	51.00 AV	54.00	-3.00	1.23 V	52	0.99	50.01

- 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	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	99.90 PK			1.34 H	242	69.38	30.52
2	*2437.00	94.50 AV			1.34 H	242	63.98	30.52
3	4874.00	45.80 PK	74.00	-28.20	1.38 H	21	9.88	35.92
4	4874.00	39.00 AV	54.00	-15.00	1.38 H	21	3.08	35.92
5	7311.00	51.80 PK	74.00	-22.20	1.26 H	2	9.99	41.81
6	7311.00	40.40 AV	54.00	-13.60	1.26 H	2	-1.41	41.81

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	*2437.00	111.00 PK			1.56 V	114	80.48	30.52
2	*2437.00	106.00 AV			1.56 V	114	75.48	30.52
3	4874.00	49.50 PK	74.00	-24.50	1.38 V	206	13.58	35.92
4	4874.00	43.00 AV	54.00	-11.00	1.38 V	206	7.08	35.92
5	7311.00	54.20 PK	74.00	-19.80	1.22 V	258	12.39	41.81
6	7311.00	43.80 AV	54.00	-10.20	1.22 V	258	1.99	41.81

- 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	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	TESTED BY	Sky Liao

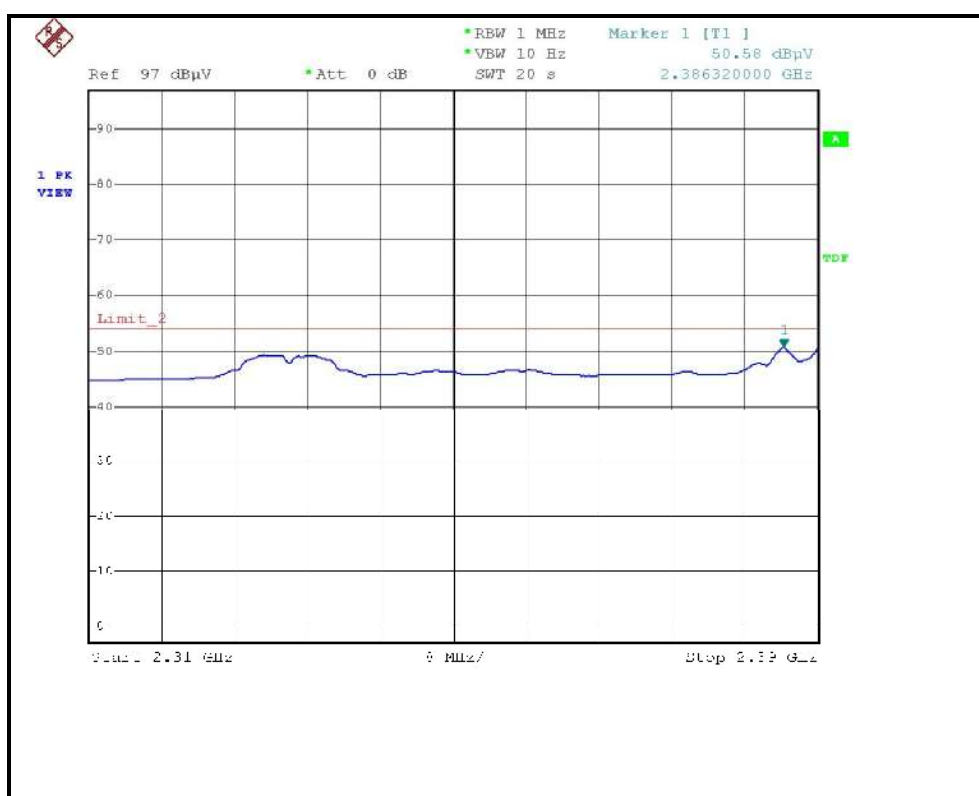
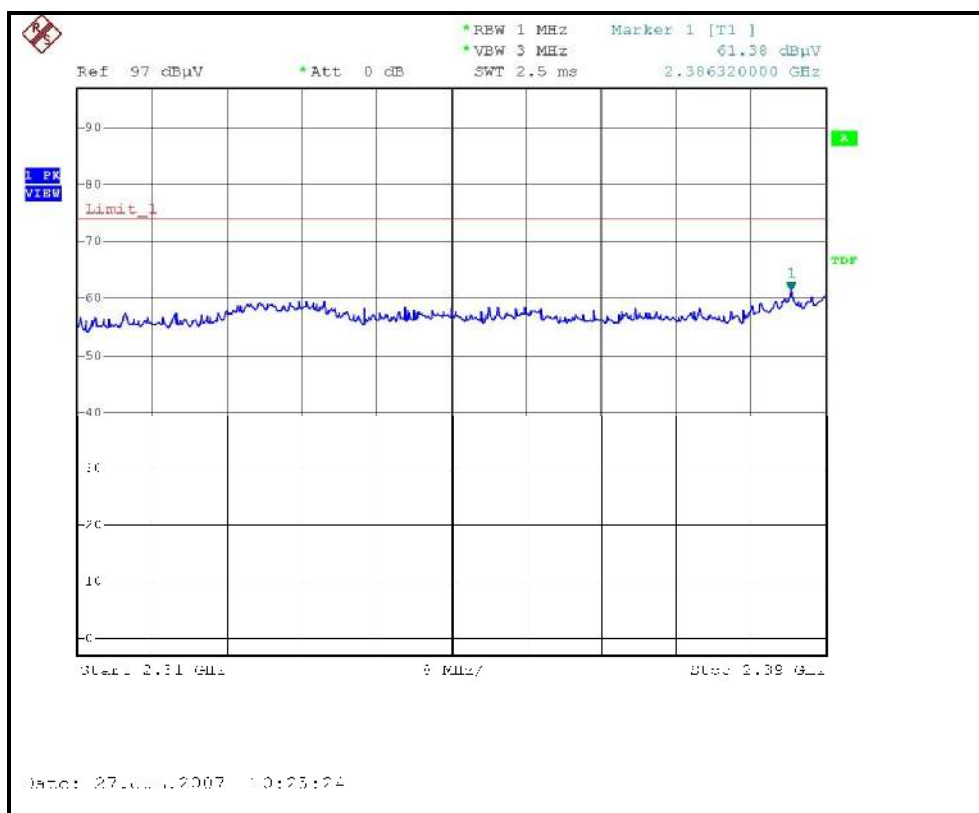
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	98.80 PK			1.32 H	241	68.17	30.63
2	*2462.00	93.40 AV			1.32 H	241	62.77	30.63
3	2487.85	59.30 PK	74.00	-14.70	1.31 H	230	28.56	30.74
4	2487.85	46.70 AV	54.00	-7.30	1.31 H	230	15.96	30.74
5	4924.00	49.40 PK	74.00	-24.60	1.48 H	350	13.34	36.06
6	4924.00	43.50 AV	54.00	-10.50	1.48 H	350	7.44	36.06
7	7386.00	53.10 PK	74.00	-20.90	1.48 H	6	11.09	42.01
8	7386.00	41.70 AV	54.00	-12.30	1.48 H	6	-0.31	42.01

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	111.10 PK			1.62 V	110	80.47	30.63
2	*2462.00	106.30 AV			1.62 V	110	75.67	30.63
3	2487.90	62.90 PK	74.00	-11.10	1.36 V	111	32.16	30.74
4	2487.90	51.80 AV	54.00	-2.20	1.36 V	111	21.06	30.74
5	4924.00	49.80 PK	74.00	-24.20	1.35 V	256	13.74	36.06
6	4924.00	43.30 AV	54.00	-10.70	1.35 V	256	7.24	36.06
7	7386.00	54.70 PK	74.00	-19.30	1.15 V	257	12.69	42.01
8	7386.00	44.30 AV	54.00	-9.70	1.15 V	257	2.29	42.01

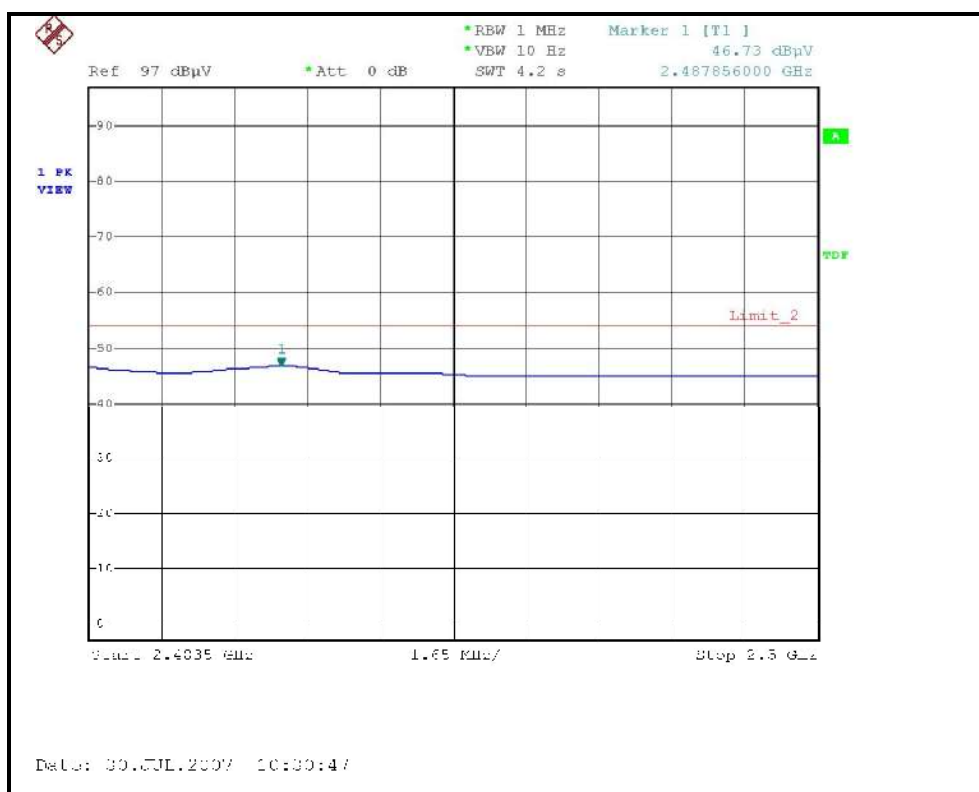
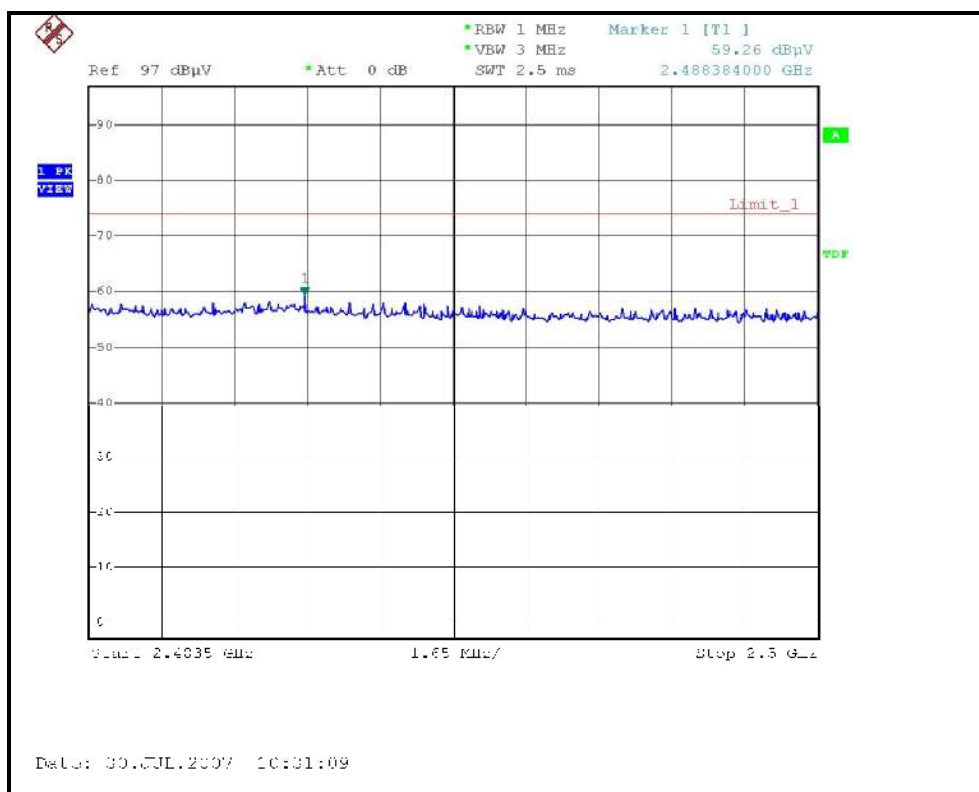
REMARKS:

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

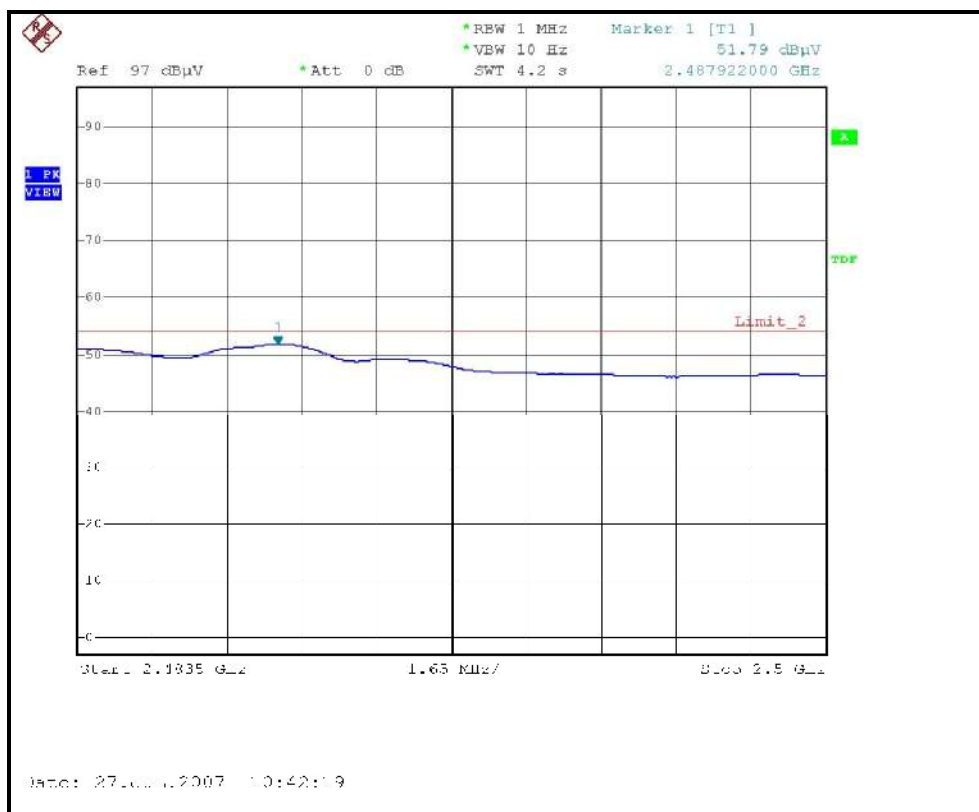
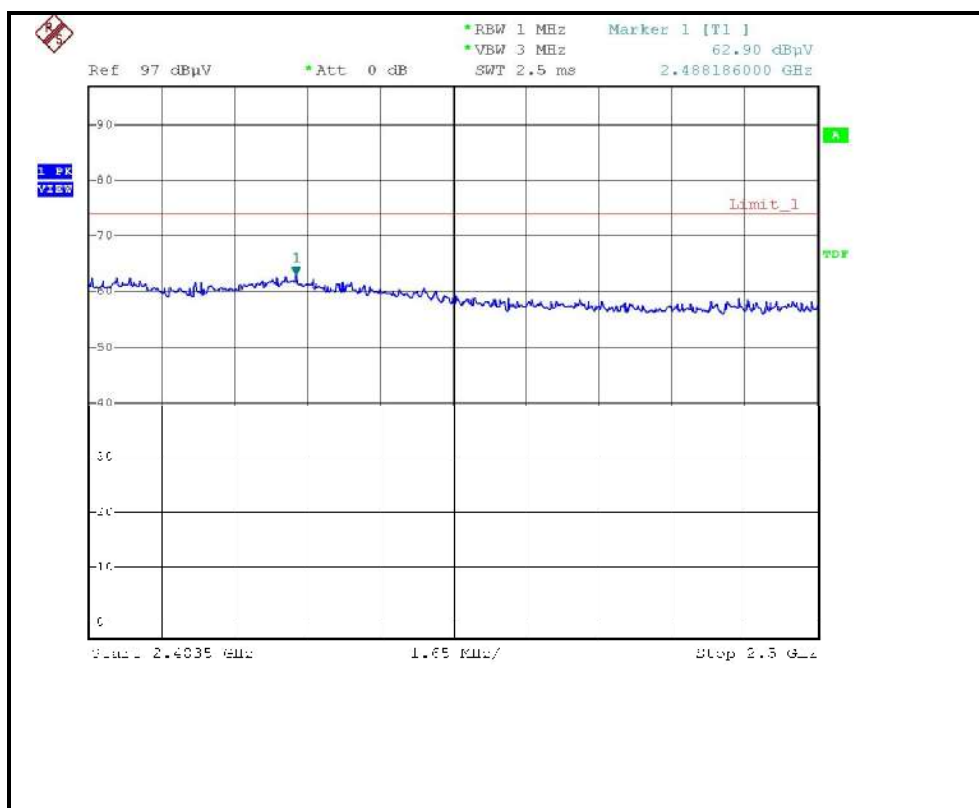
RESTRICTED BANDEDGE (802.11b MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, VERTICAL)



802.11g OFDM modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	2390.00	55.90 PK	74.00	-18.10	1.55 H	256	25.58	30.32
2	2390.00	44.50 AV	54.00	-9.50	1.55 H	256	14.18	30.32
3	*2412.00	97.60 PK			1.55 H	251	67.19	30.41
4	*2412.00	86.70 AV			1.55 H	251	56.29	30.41
5	4824.00	46.40 PK	74.00	-27.60	1.45 H	352	10.61	35.79
6	4824.00	34.00 AV	54.00	-20.00	1.45 H	352	-1.79	35.79
7	7236.00	53.10 PK	74.00	-20.90	1.30 H	219	11.50	41.60
8	7236.00	39.50 AV	54.00	-14.50	1.30 H	219	-2.10	41.60

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	2359.60	63.21 PK	74.00	-10.79	1.44 V	70	33.02	30.19
2	2359.60	47.30 AV	54.00	-6.70	1.44 V	70	17.11	30.19
3	*2412.00	109.60 PK			1.38 V	111	79.19	30.41
4	*2412.00	99.20 AV			1.38 V	111	68.79	30.41
5	4824.00	47.20 PK	74.00	-26.80	1.25 V	6	11.41	35.79
6	4824.00	34.50 AV	54.00	-19.50	1.25 V	6	-1.29	35.79
7	7236.00	53.30 PK	74.00	-20.70	1.31 V	266	11.70	41.60
8	7236.00	39.30 AV	54.00	-14.70	1.31 V	266	-2.30	41.60

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

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	*2437.00	99.80 PK			1.55 H	250	69.28	30.52
2	*2437.00	89.20 AV			1.55 H	250	58.68	30.52
3	4874.00	47.50 PK	74.00	-26.50	1.58 H	341	11.58	35.92
4	4874.00	34.20 AV	54.00	-19.80	1.58 H	341	-1.72	35.92
5	7311.00	53.20 PK	74.00	-20.80	1.44 H	127	11.39	41.81
6	7311.00	39.60 AV	54.00	-14.40	1.44 H	127	-2.21	41.81

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	*2437.00	110.90 PK			1.36 V	107	80.38	30.52
2	*2437.00	100.20 AV			1.36 V	107	69.68	30.52
3	4874.00	48.40 PK	74.00	-25.60	1.30 V	12	12.48	35.92
4	4874.00	34.70 AV	54.00	-19.30	1.30 V	12	-1.22	35.92
5	7311.00	53.90 PK	74.00	-20.10	1.35 V	169	12.09	41.81
6	7311.00	40.60 AV	54.00	-13.40	1.35 V	169	-1.21	41.81

- 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

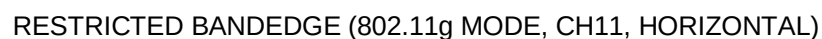
MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	TESTED BY	Phoenix Huang

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	*2462.00	101.70 PK			1.51 H	277	71.07	30.63
2	*2462.00	90.80 AV			1.51 H	277	60.17	30.63
3	2483.50	60.50 PK	74.00	-13.50	1.49 H	278	29.78	30.72
4	2483.50	46.11 AV	54.00	-7.89	1.49 H	278	15.39	30.72
5	4924.00	48.00 PK	74.00	-26.00	1.33 H	341	11.94	36.06
6	4924.00	34.20 AV	54.00	-19.80	1.33 H	341	-1.86	36.06
7	7386.00	55.00 PK	74.00	-19.00	1.32 H	21	12.99	42.01
8	7386.00	40.00 AV	54.00	-14.00	1.32 H	21	-2.01	42.01

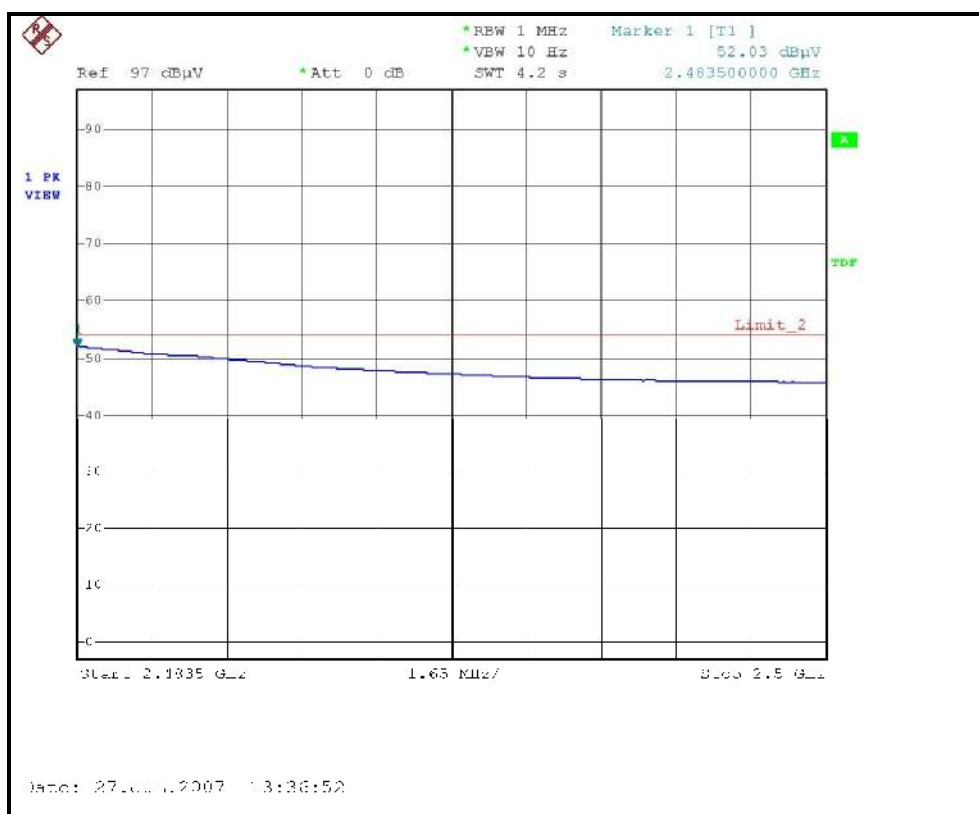
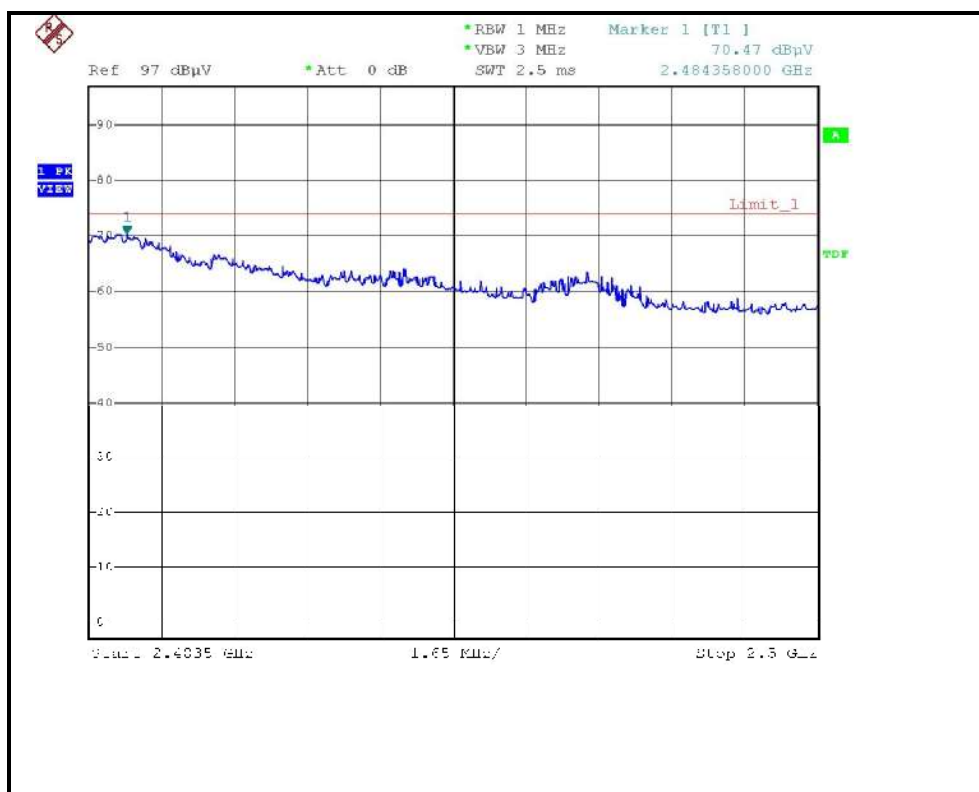
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	110.90 PK			1.35 V	111	80.27	30.63
2	*2462.00	100.30 AV			1.35 V	111	69.67	30.63
3	2483.50	70.50 PK	74.00	-3.50	1.35 V	110	39.78	30.72
4	2483.50	52.03 AV	54.00	-1.97	1.35 V	110	21.31	30.72
5	4924.00	47.10 PK	74.00	-26.90	1.22 V	15	11.04	36.06
6	4924.00	34.50 AV	54.00	-19.50	1.22 V	15	-1.56	36.06
7	7386.00	55.30 PK	74.00	-18.70	1.23 V	344	13.29	42.01
8	7386.00	40.80 AV	54.00	-13.20	1.23 V	344	-1.21	42.01

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, CH11, VERTICAL)



4.2.7 TEST RESULTS – WITH ANTENNA 6

Below 1GHz Worst-Case Data

MODULATION TYPE	DSSS	CHANNEL	Channel 1
INPUT POWER	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	24deg. C, 70%RH, 960hPa	TRANSFER RATE	1Mbps
TESTED BY	Phoenix 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	41.06	33.41 QP	40.00	-6.59	1.31 H	78	19.06	14.35
2	166.51	41.41 QP	43.50	-2.09	1.63 H	179	27.65	13.76
3	199.94	31.95 QP	43.50	-11.55	1.14 H	202	20.35	11.60
4	232.96	40.25 QP	46.00	-5.75	1.19 H	328	27.21	13.04
5	266.41	45.14 QP	46.00	-0.86	1.03 H	172	30.29	14.85
6	300.00	40.64 QP	46.00	-5.36	1.06 H	1	23.81	16.83
7	600.00	34.37 QP	46.00	-11.63	1.18 H	185	9.89	24.48
8	766.20	33.79 QP	46.00	-12.21	1.21 H	166	6.37	27.42
9	863.00	36.60 QP	46.00	-9.40	1.24 H	16	8.08	28.52

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	72.92	35.96 QP	40.00	-4.04	1.00 V	45	24.10	11.86
2	118.82	32.77 QP	43.50	-10.73	1.00 V	1	21.09	11.68
3	166.78	31.78 QP	43.50	-11.72	1.00 V	300	18.03	13.75
4	266.56	37.97 QP	46.00	-8.03	1.00 V	277	23.10	14.87
5	299.19	33.30 QP	46.00	-12.70	1.00 V	211	16.51	16.79
6	366.70	33.12 QP	46.00	-12.88	1.00 V	47	15.19	17.93
7	499.20	28.11 QP	46.00	-17.89	1.00 V	251	6.37	21.74
8	797.10	32.01 QP	46.00	-13.99	1.21 V	201	4.46	27.55
9	864.40	33.60 QP	46.00	-12.40	1.23 V	127	5.07	28.53

- 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	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	2334.60	61.75 PK	74.00	-12.25	1.27 H	270	31.60	30.15
2	2334.60	52.37 AV	54.00	-1.63	1.27 H	270	22.22	30.15
3	*2412.00	109.20 PK			1.28 H	250	78.71	30.49
4	*2412.00	104.70 AV			1.28 H	250	74.21	30.49
5	4824.00	53.00 PK	74.00	-21.00	1.30 H	226	17.31	35.69
6	4824.00	48.30 AV	54.00	-5.70	1.30 H	226	12.61	35.69
7	7236.00	53.40 PK	74.00	-20.60	1.38 H	210	11.16	42.24
8	7236.00	40.40 AV	54.00	-13.60	1.38 H	210	-1.84	42.24
9	14472.00	64.40 PK	74.00	-9.60	1.36 H	175	15.17	49.23
10	14472.00	51.40 AV	54.00	-2.60	1.36 H	175	2.17	49.23

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	2329.50	59.19 PK	74.00	-14.81	1.03 V	274	29.07	30.12
2	2329.50	47.85 AV	54.00	-6.15	1.03 V	274	17.73	30.12
3	*2412.00	104.30 PK			1.04 V	250	73.81	30.49
4	*2412.00	99.10 AV			1.04 V	250	68.61	30.49
5	4824.00	51.40 PK	74.00	-22.60	1.32 V	0	15.71	35.69
6	4824.00	46.20 AV	54.00	-7.80	1.32 V	0	10.51	35.69
7	7236.00	53.20 PK	74.00	-20.80	1.10 V	295	10.96	42.24
8	7236.00	39.50 AV	54.00	-14.50	1.10 V	295	-2.74	42.24
9	14472.00	63.80 PK	74.00	-10.20	1.54 V	125	14.57	49.23
10	14472.00	51.10 AV	54.00	-2.90	1.54 V	125	1.87	49.23

- 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	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	110.70 PK			1.60 H	276	80.09	30.61
2	*2437.00	106.00 AV			1.60 H	276	75.39	30.61
3	4874.00	50.70 PK	74.00	-23.30	1.17 H	228	14.90	35.80
4	4874.00	44.50 AV	54.00	-9.50	1.17 H	228	8.70	35.80
5	7311.00	52.80 PK	74.00	-21.20	1.32 H	208	10.28	42.52
6	7311.00	39.80 AV	54.00	-14.20	1.32 H	208	-2.72	42.52

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	104.70 PK			1.02 V	250	74.09	30.61
2	*2437.00	99.80 AV			1.02 V	250	69.19	30.61
3	4874.00	49.20 PK	74.00	-24.80	1.15 V	348	13.40	35.80
4	4874.00	42.60 AV	54.00	-11.40	1.15 V	348	6.80	35.80
5	7311.00	53.00 PK	74.00	-21.00	1.22 V	265	10.48	42.52
6	7311.00	39.20 AV	54.00	-14.80	1.22 V	265	-3.32	42.52

- 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	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	112.30 PK			1.48 H	258	81.58	30.72
2	*2462.00	107.70 AV			1.48 H	258	76.98	30.72
3	2483.50	64.28 PK	74.00	-9.72	1.48 H	260	33.46	30.82
4	2483.50	53.89 AV	54.00	-0.11	1.48 H	260	23.07	30.82
5	4924.00	50.90 PK	74.00	-23.10	1.28 H	228	15.00	35.90
6	4924.00	44.40 AV	54.00	-9.60	1.28 H	228	8.50	35.90
7	7386.00	53.00 PK	74.00	-21.00	1.28 H	228	10.20	42.80
8	7386.00	40.00 AV	54.00	-14.00	1.28 H	228	-2.80	42.80

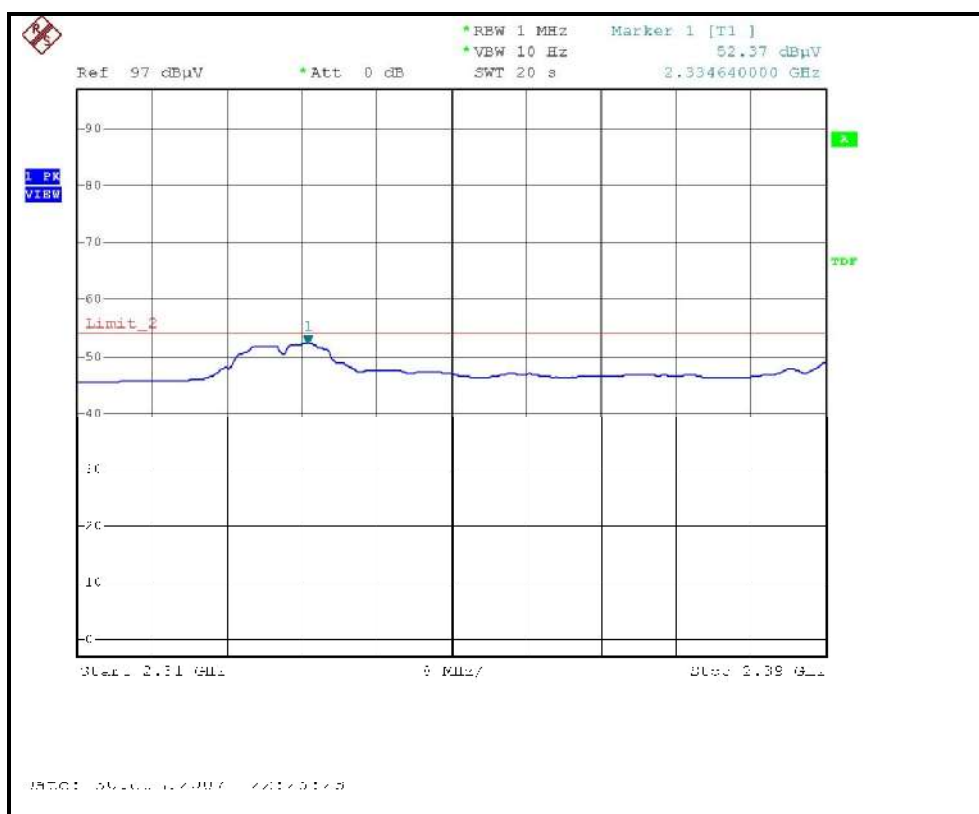
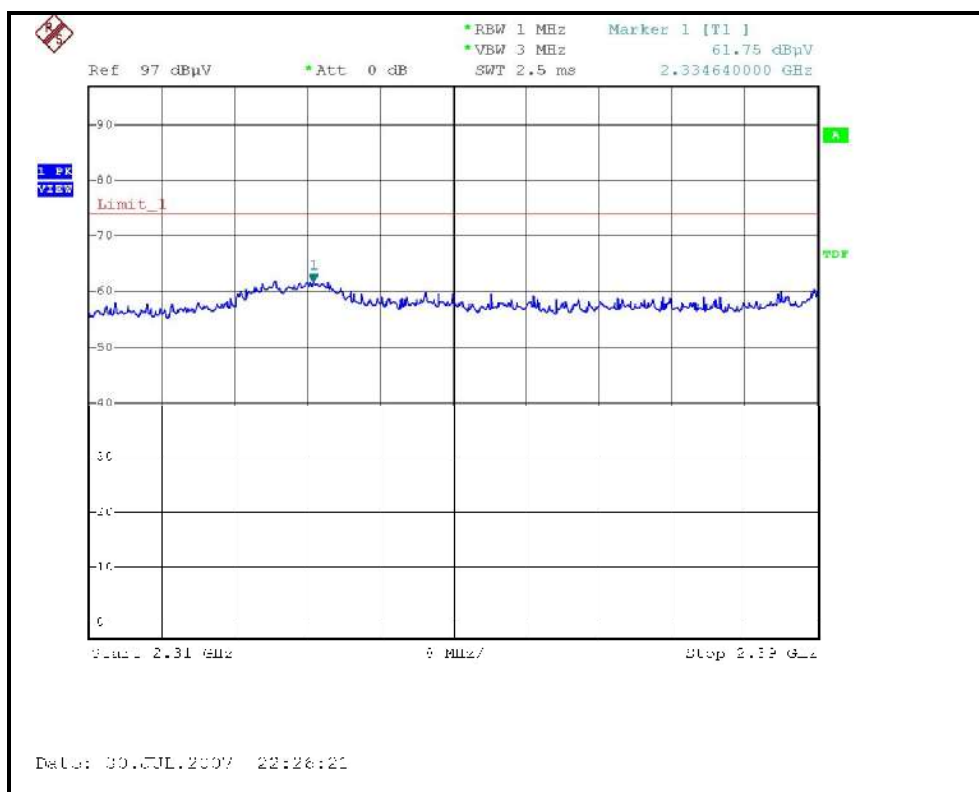
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

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	105.00 PK			1.00 V	256	74.28	30.72
2	*2462.00	100.00 AV			1.00 V	256	69.28	30.72
3	2483.90	58.71 PK	74.00	-15.29	1.00 V	220	27.89	30.82
4	2483.90	47.63 AV	54.00	-6.37	1.00 V	220	16.81	30.82
5	4924.00	49.40 PK	74.00	-24.60	1.16 V	350	13.50	35.90
6	4924.00	42.80 AV	54.00	-11.20	1.16 V	350	6.90	35.90
7	7386.00	53.20 PK	74.00	-20.80	1.26 V	275	10.40	42.80
8	7386.00	39.40 AV	54.00	-14.60	1.26 V	275	-3.40	42.80

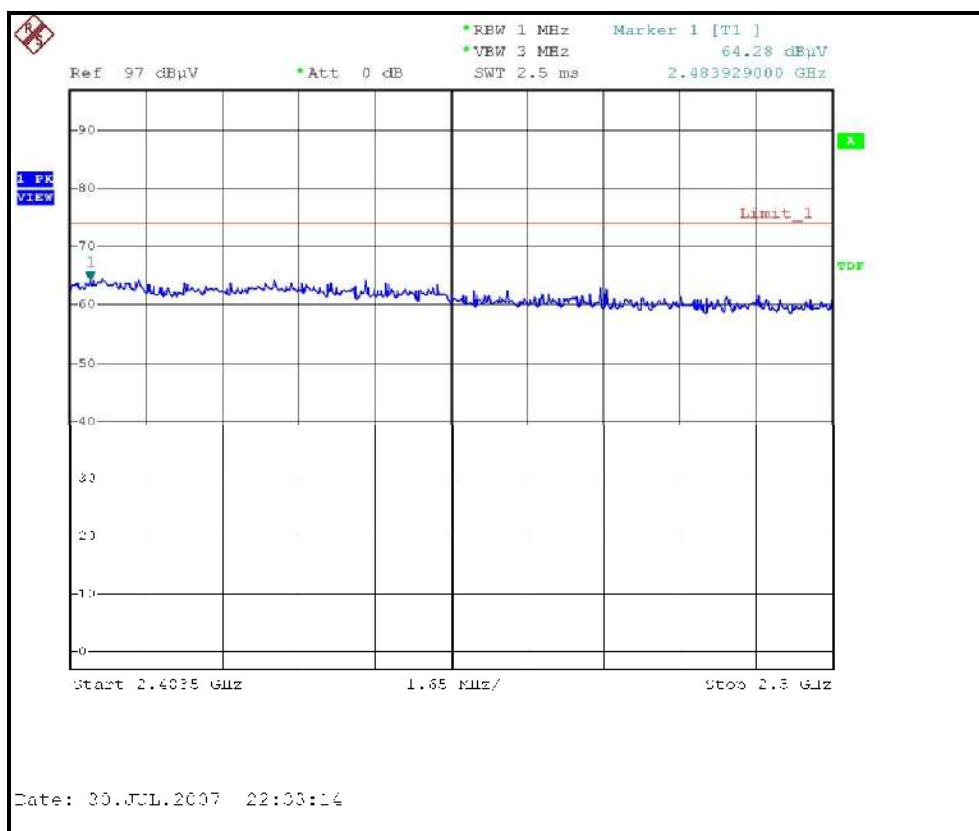
REMARKS:

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, CH11, HORIZONTAL)



802.11g OFDM modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	2359.44	58.84 PK	74.00	-15.16	1.60 H	274	28.58	30.26
2	2359.44	47.34 AV	54.00	-6.66	1.60 H	274	17.08	30.26
3	*2412.00	109.40 PK			1.58 H	275	78.91	30.49
4	*2412.00	98.70 AV			1.58 H	275	68.21	30.49
5	4824.00	48.40 PK	74.00	-25.60	1.32 H	228	12.71	35.69
6	4824.00	34.80 AV	54.00	-19.20	1.32 H	228	-0.89	35.69
7	7236.00	52.20 PK	74.00	-21.80	1.00 H	98	9.96	42.24
8	7236.00	39.20 AV	54.00	-14.80	1.00 H	98	-3.04	42.24

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	2339.10	57.65 PK	74.00	-16.35	1.02 V	262	27.48	30.17
2	2339.10	46.37 AV	54.00	-7.63	1.02 V	262	16.20	30.17
3	*2412.00	102.80 PK			1.00 V	263	72.31	30.49
4	*2412.00	92.10 AV			1.00 V	263	61.61	30.49
5	4824.00	47.80 PK	74.00	-26.20	1.32 V	2	12.11	35.69
6	4824.00	34.30 AV	54.00	-19.70	1.32 V	2	-1.39	35.69
7	7236.00	52.70 PK	74.00	-21.30	1.20 V	28	10.46	42.24
8	7236.00	39.00 AV	54.00	-15.00	1.20 V	28	-3.24	42.24

- 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	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	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	*2437.00	109.80 PK			1.48 H	275	79.19	30.61
2	*2437.00	99.60 AV			1.48 H	275	68.99	30.61
3	4874.00	48.00 PK	74.00	-26.00	1.32 H	225	12.20	35.80
4	4874.00	34.20 AV	54.00	-19.80	1.32 H	225	-1.60	35.80
5	7311.00	52.20 PK	74.00	-21.80	1.00 H	86	9.68	42.52
6	7311.00	39.00 AV	54.00	-15.00	1.00 H	86	-3.52	42.52

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	103.30 PK			1.03 V	250	72.69	30.61
2	*2437.00	92.60 AV			1.03 V	250	61.99	30.61
3	4874.00	48.20 PK	74.00	-25.80	1.30 V	10	12.40	35.80
4	4874.00	34.50 AV	54.00	-19.50	1.30 V	10	-1.30	35.80
5	7311.00	53.00 PK	74.00	-21.00	1.22 V	34	10.48	42.52
6	7311.00	39.20 AV	54.00	-14.80	1.22 V	34	-3.32	42.52

- 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

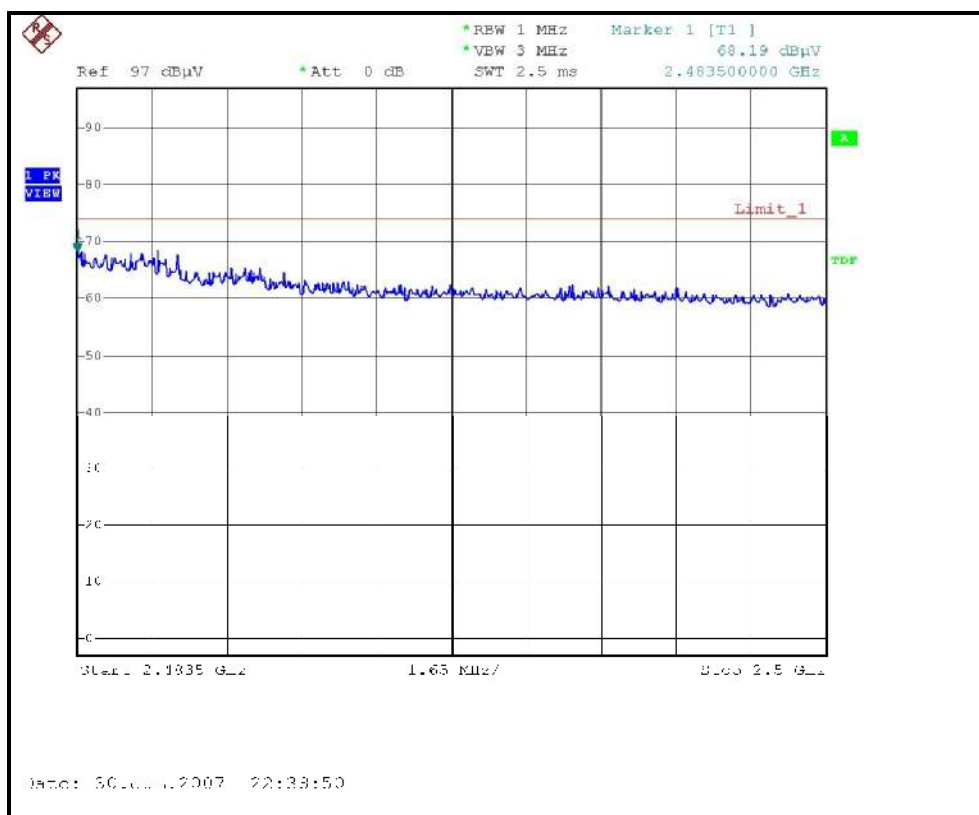
MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 66%RH, 960hPa	TESTED BY	Phoenix Huang

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	*2462.00	111.30 PK			1.48 H	260	80.58	30.72
2	*2462.00	101.00 AV			1.48 H	260	70.28	30.72
3	2483.50	68.19 PK	74.00	-5.81	1.46 H	260	37.37	30.82
4	2483.50	51.61 AV	54.00	-2.39	1.46 H	260	20.79	30.82
5	4924.00	48.20 PK	74.00	-25.80	1.22 H	236	12.30	35.90
6	4924.00	34.40 AV	54.00	-19.60	1.22 H	236	-1.50	35.90
7	7386.00	52.40 PK	74.00	-21.60	1.00 H	92	9.60	42.80
8	7386.00	39.20 AV	54.00	-14.80	1.00 H	92	-3.60	42.80

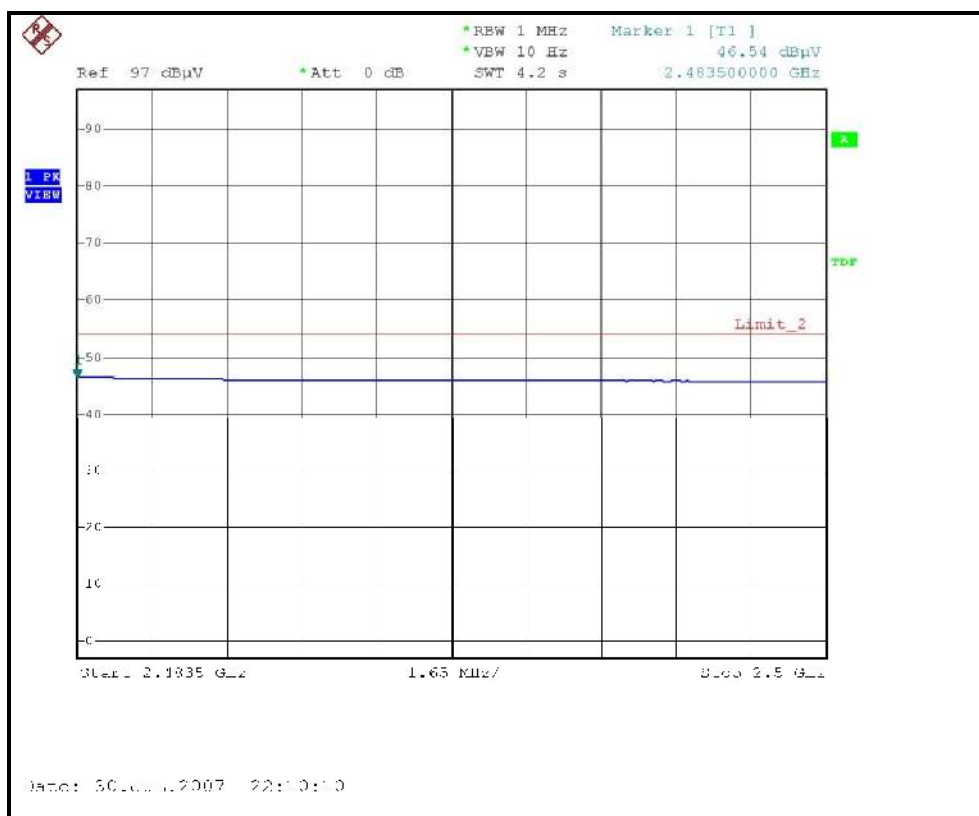
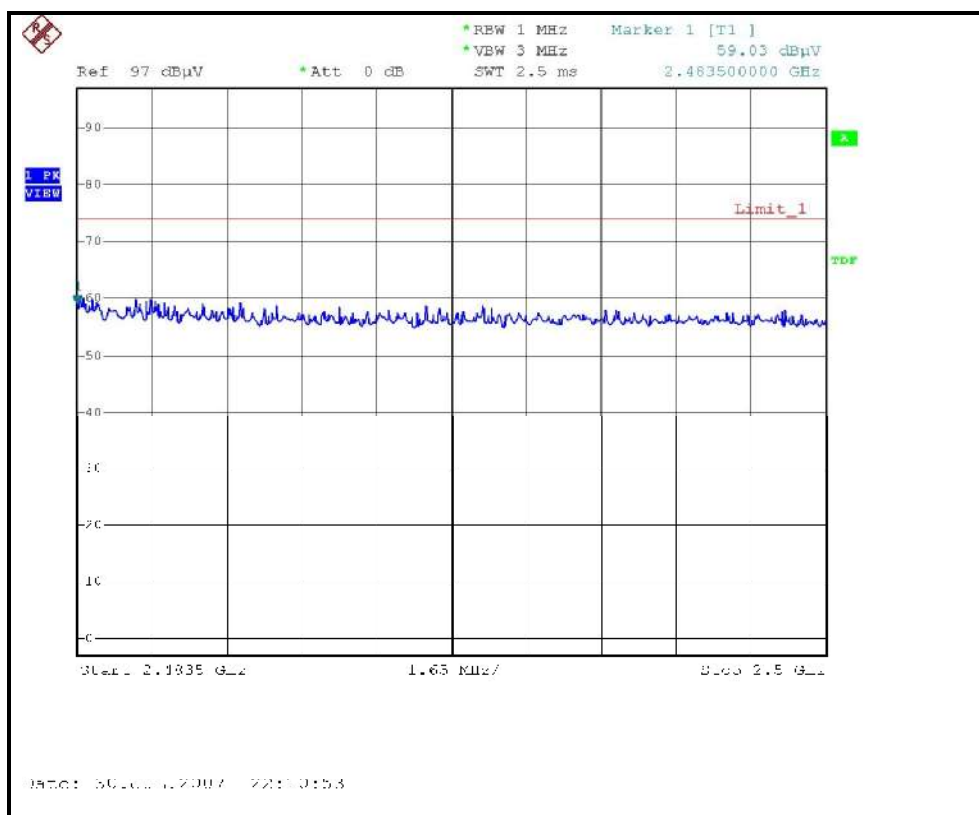
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	103.90 PK			1.00 V	256	73.18	30.72
2	*2462.00	93.30 AV			1.00 V	256	62.58	30.72
3	2483.50	59.03 PK	74.00	-14.97	1.00 V	244	28.21	30.82
4	2483.50	46.54 AV	54.00	-7.46	1.00 V	244	15.72	30.82
5	4924.00	47.60 PK	74.00	-26.40	1.26 V	5	11.70	35.90
6	4924.00	34.20 AV	54.00	-19.80	1.26 V	5	-1.70	35.90
7	7386.00	52.80 PK	74.00	-21.20	1.25 V	20	10.00	42.80
8	7386.00	39.00 AV	54.00	-15.00	1.25 V	20	-3.80	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, CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE, CH11, VERTICAL)



4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 09, 2007

NOTE:

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

4.3.3 TEST PROCEDURE

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

4.3.4 TEST SETUP



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

4.3.5 EUT OPERATING CONDITIONS

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

4.3.6 TEST RESULTS –DSSS

802.11b DSSS modulation

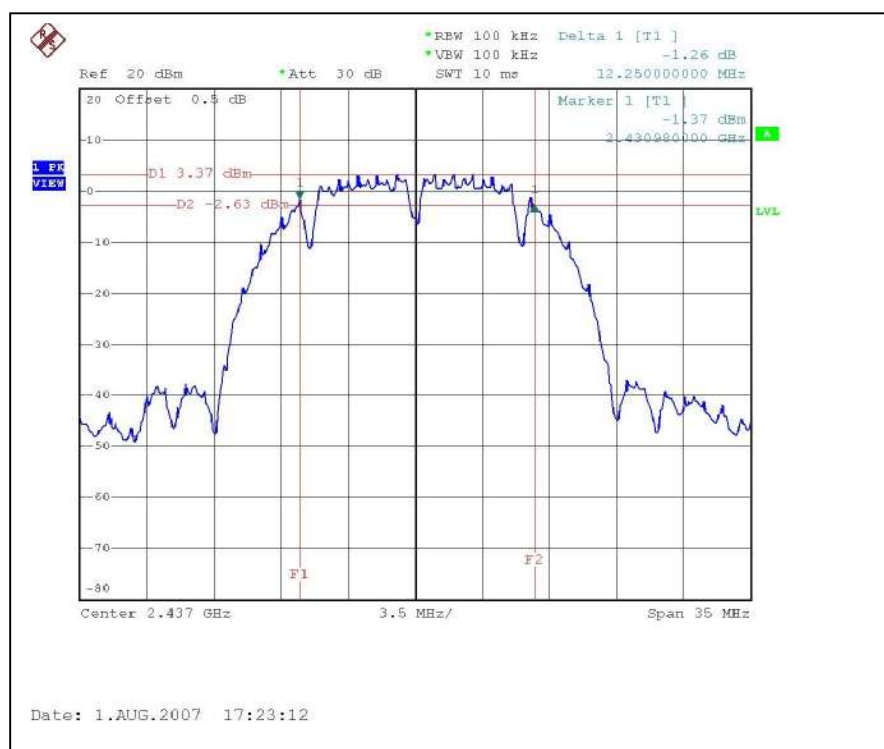
MODULATION TYPE	CCK	TRANSFER RATE	1Mbps
INPUT POWER	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	28 deg. C, 62 %RH, 960 hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	12.25	0.5	PASS
6	2437	12.25	0.5	PASS
11	2462	12.11	0.5	PASS

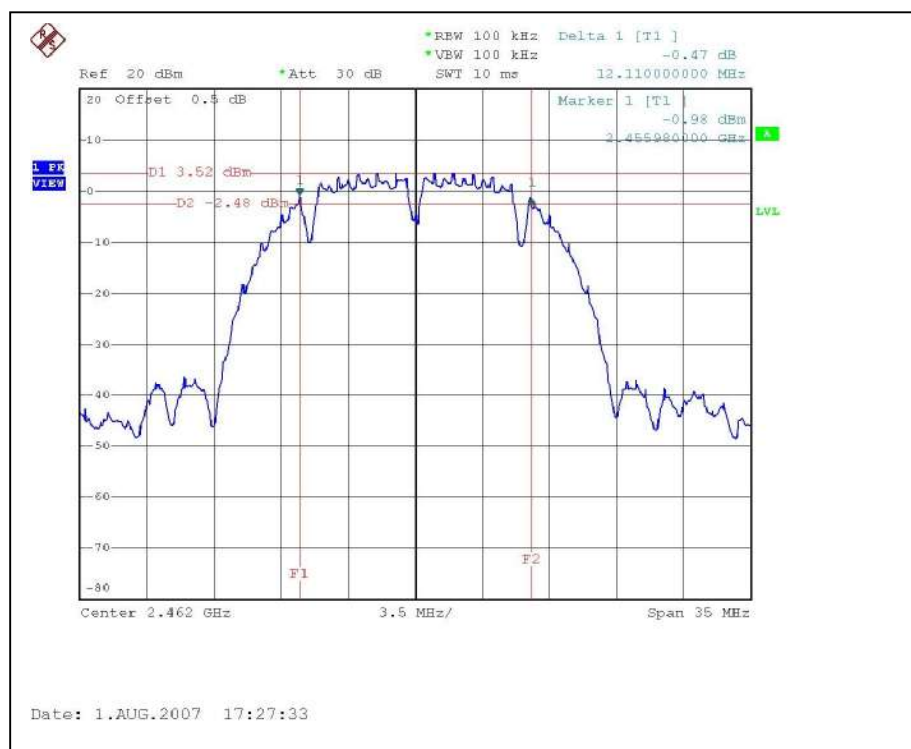
CH1



CH6



CH11



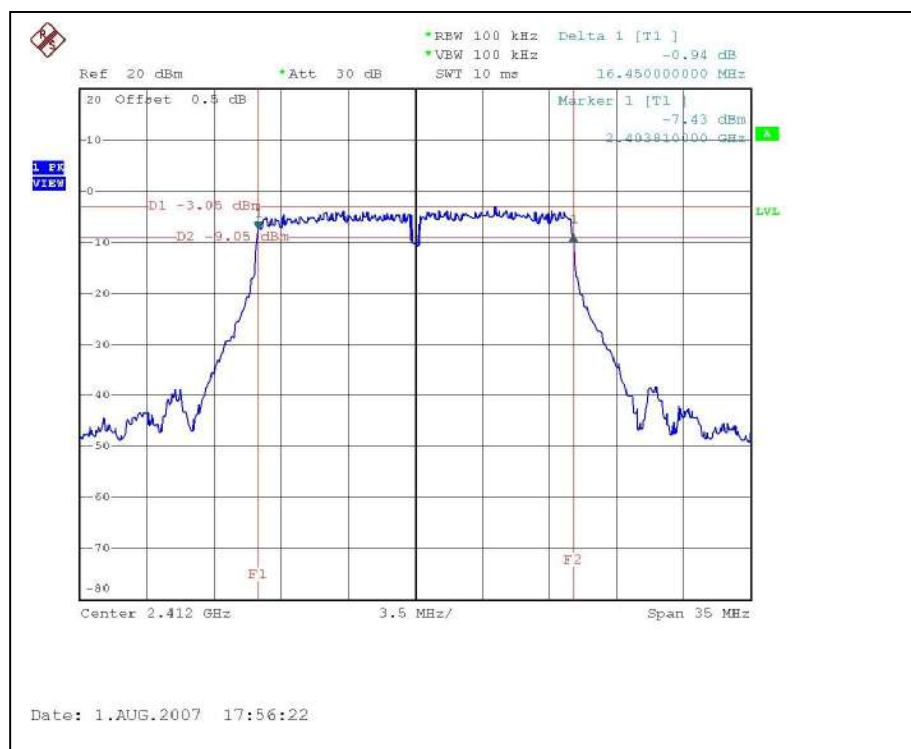
4.3.7 TEST RESULTS-OFDM

802.11g OFDM modulation

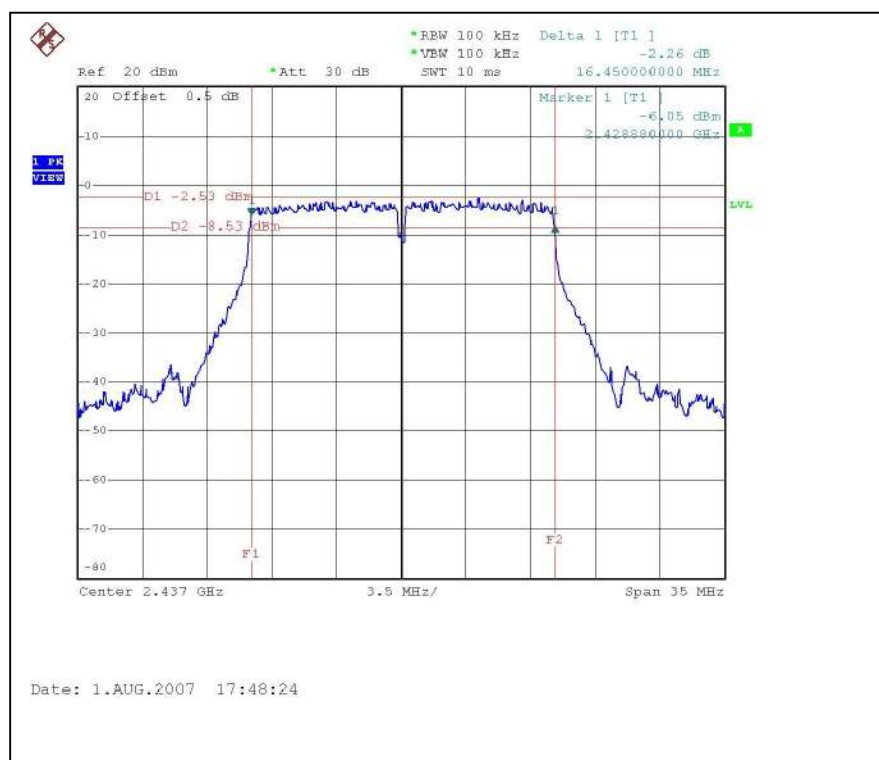
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	28 deg. C, 62 %RH, 960 hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	16.45	0.5	PASS
6	2437	16.45	0.5	PASS
11	2462	16.52	0.5	PASS

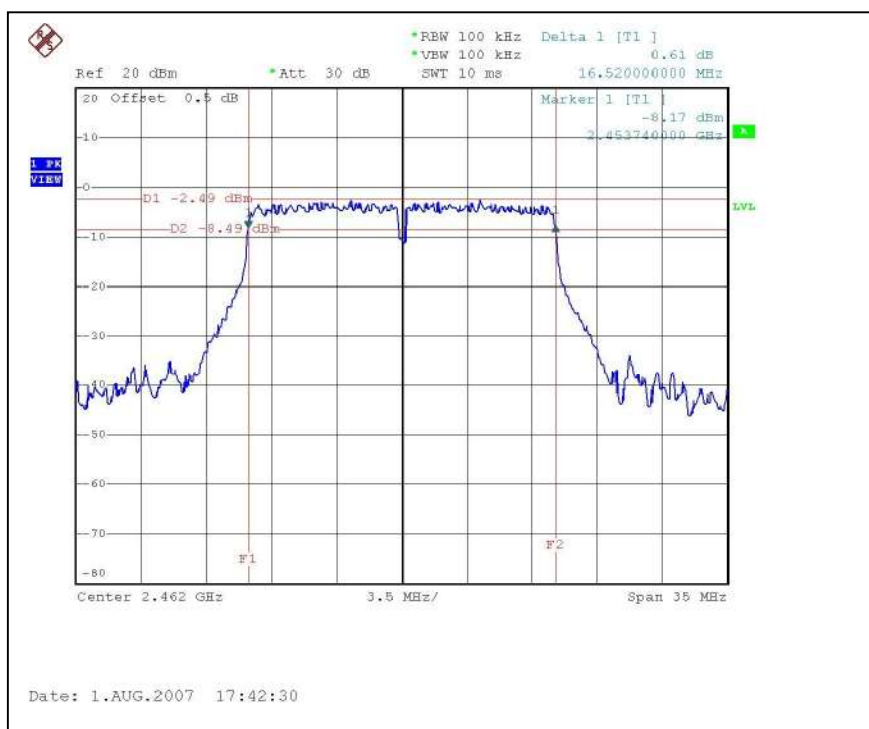
CH1



CH6



CH11



4.4 MAXIMUM PEAK OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM PEAK OUTPUT POWER MEASUREMENT

The Maximum Peak Output Power Measurement is 30dBm.

4.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 09, 2007
Agilent SIGNAL GENERATOR	E8257C	MY43320668	Dec. 07, 2007
TEKTRONIX OSCILLOSCOPE	TDS380	B016335	Jul. 04, 2008
NARDA DETECTOR	4503A	FSCM99899	NA

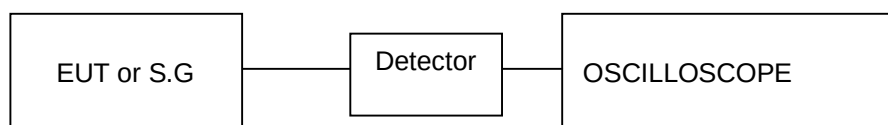
NOTE:

The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.4.3 TEST PROCEDURES

1. A detector was used on the output port of the EUT. An oscilloscope was used to read the peak response of the detector.
2. Replaced the EUT by the signal generator. The center frequency of the S.G was adjusted to the center frequency of the measured channel.
3. Adjusted the power to have the same peak reading on oscilloscope. Record the power level.

4.4.4 TEST SETUP



4.4.5 EUT OPERATING CONDITIONS

Same as Item 4.3.5

4.4.6 TEST RESULTS – DSSS

802.11b DSSS modulation

MODULATION TYPE	CCK	TRANSFER RATE	11Mbps
INPUT POWER	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	28 deg. C, 62 %RH, 960 hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	63.096	18.0	30	PASS
6	2437	66.069	18.2	30	PASS
11	2462	61.660	17.9	30	PASS

4.4.7 TEST RESULTS –OFDM

802.11g OFDM modulation

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	28 deg. C, 62 %RH, 960 hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	47.863	16.8	30	PASS
6	2437	51.286	17.1	30	PASS
11	2462	48.978	16.9	30	PASS

4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

4.5.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 09, 2007

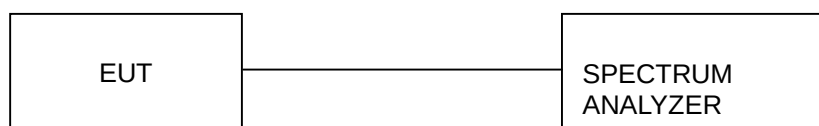
NOTE:

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

4.5.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3 kHz RBW and 30 kHz VBW, set sweep time=span/3kHz. The power spectral density was measured and recorded. The sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

4.5.4 TEST SETUP



4.5.5 EUT OPERATING CONDITIONS

Same as 4.3.5

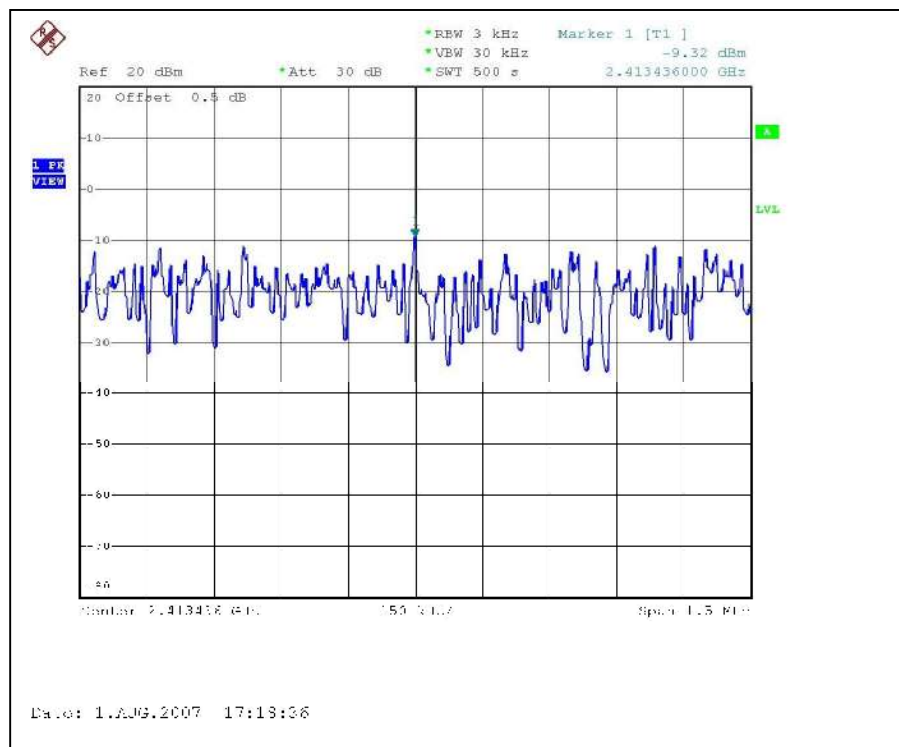
4.5.6 TEST RESULTS –DSSS

802.11b DSSS modulation

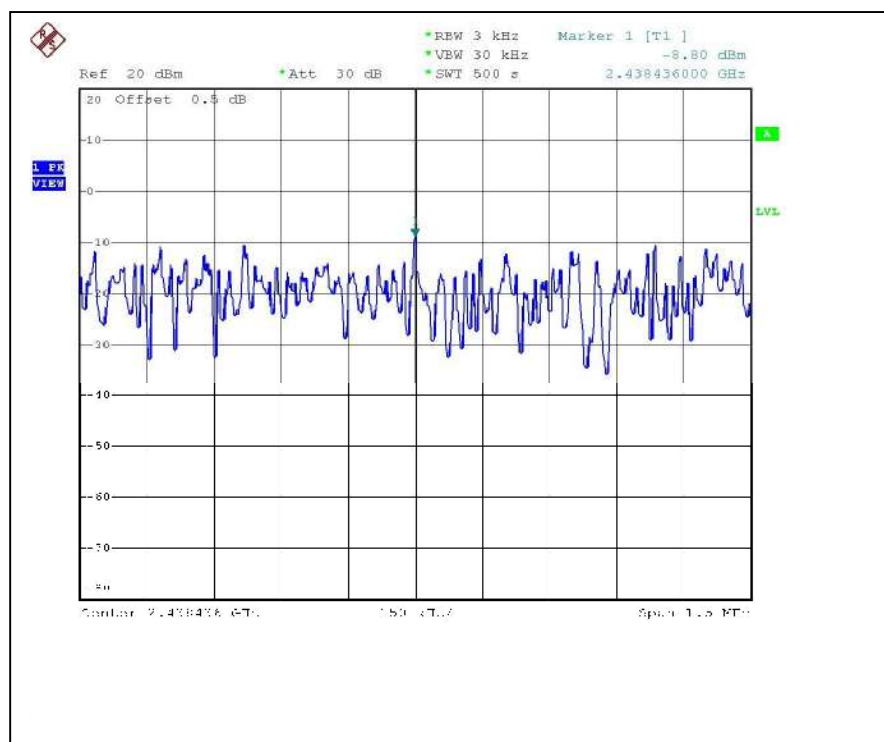
MODULATION TYPE	CCK	TRANSFER RATE	11Mbps
INPUT POWER	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	28 deg. C, 62 %RH, 960 hPa
TESTED BY	Wen Yu		

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 KHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-9.32	8	PASS
6	2437	-8.80	8	PASS
11	2462	-8.72	8	PASS

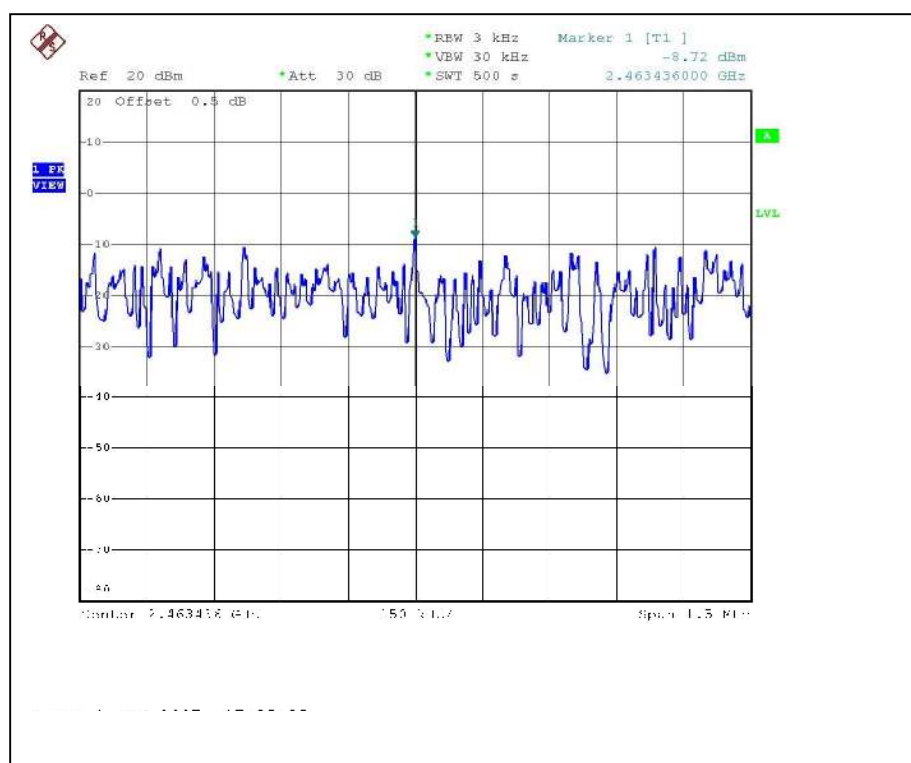
CH1



CH6



CH11



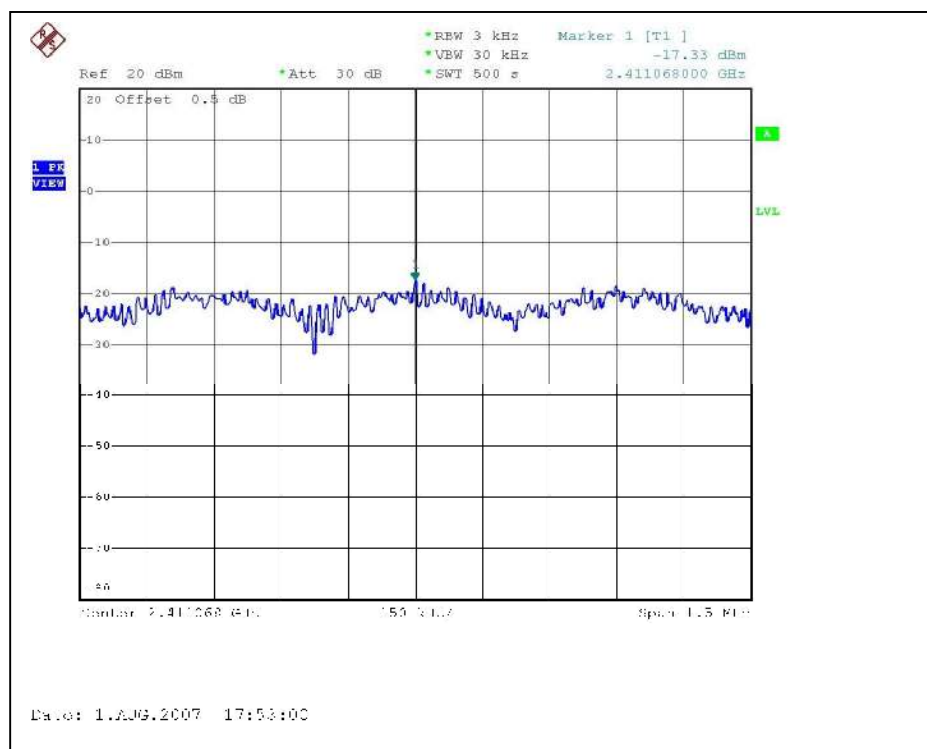
4.5.7 TEST RESULTS –OFDM

802.11g OFDM modulation

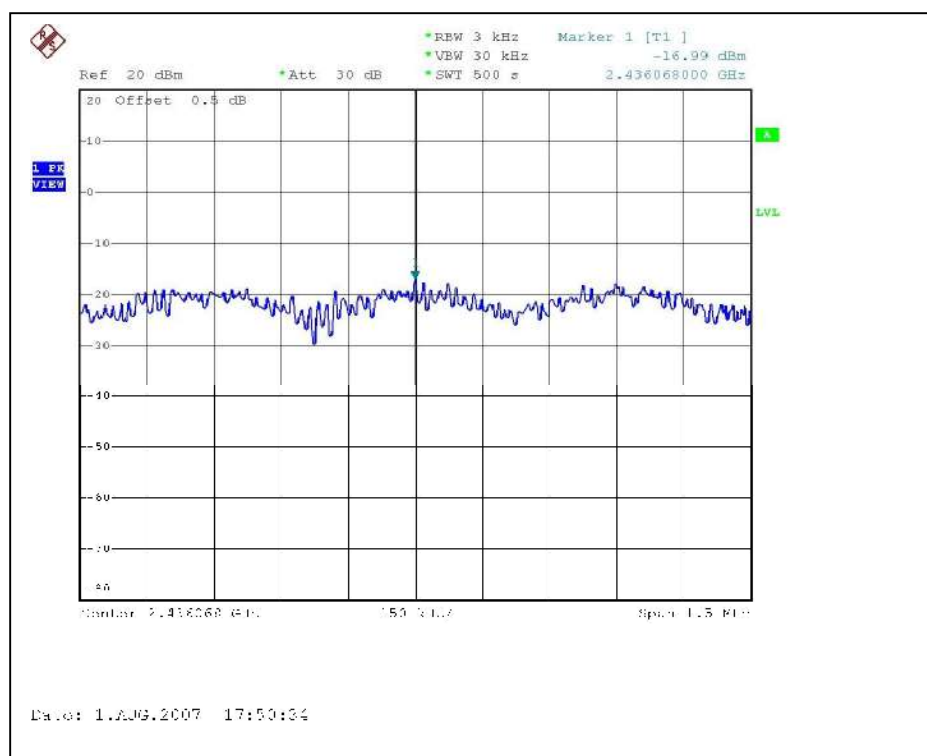
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	28 deg. C, 62 %RH, 960 hPa
TESTED BY	Wen Yu		

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 KHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-17.33	8	PASS
6	2437	-16.99	8	PASS
11	2462	-16.71	8	PASS

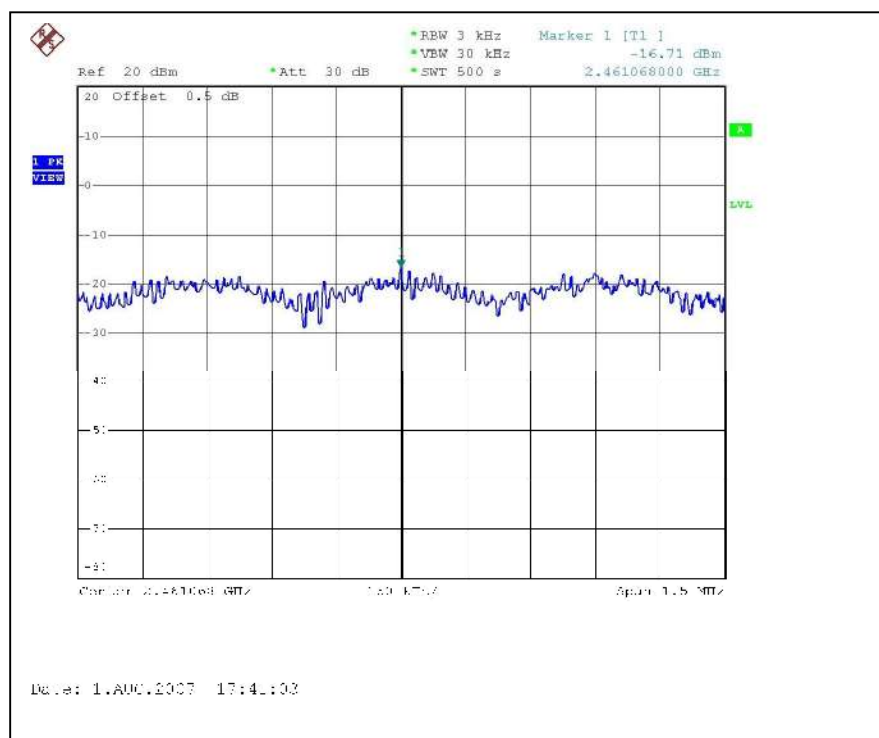
CH1



CH6



CH11



4.6 CONDUCTED EMISSION AND BAND EDGES MEASUREMENT

4.6.1 LIMITS OF CONDUCTED EMISSION AND BAND EDGES MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100KHz Resolution Bandwidth).

4.6.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 09, 2007

NOTE:

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

4.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low loss cable. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges were measured and recorded.

The spectrum plots (RBW = VBW = 100kHz) are attached on the following pages.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation

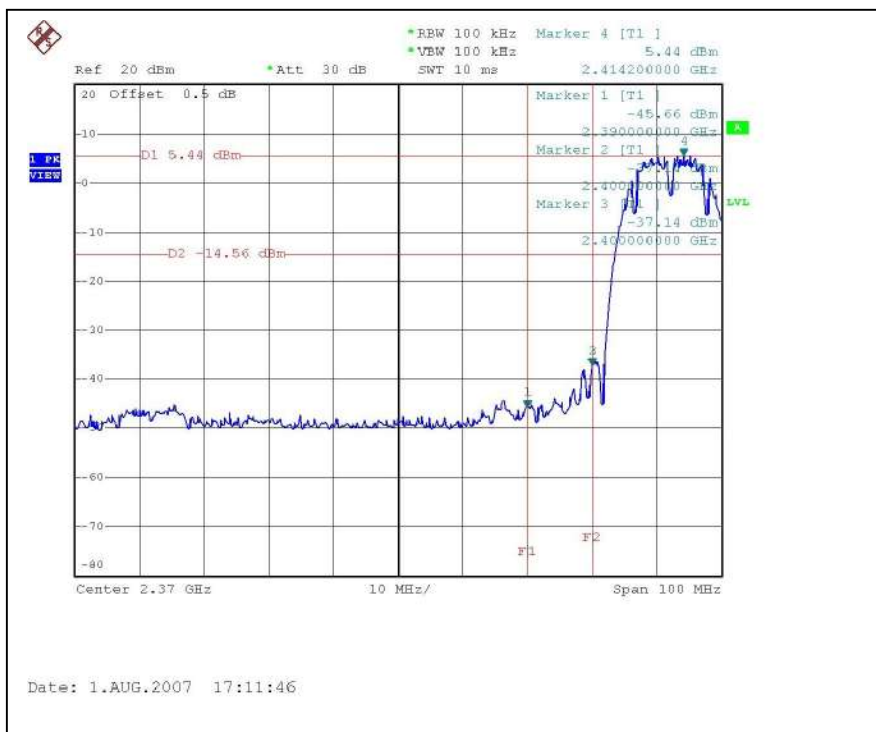
4.6.5 EUT OPERATING CONDITION

Same as Item 4.3.5

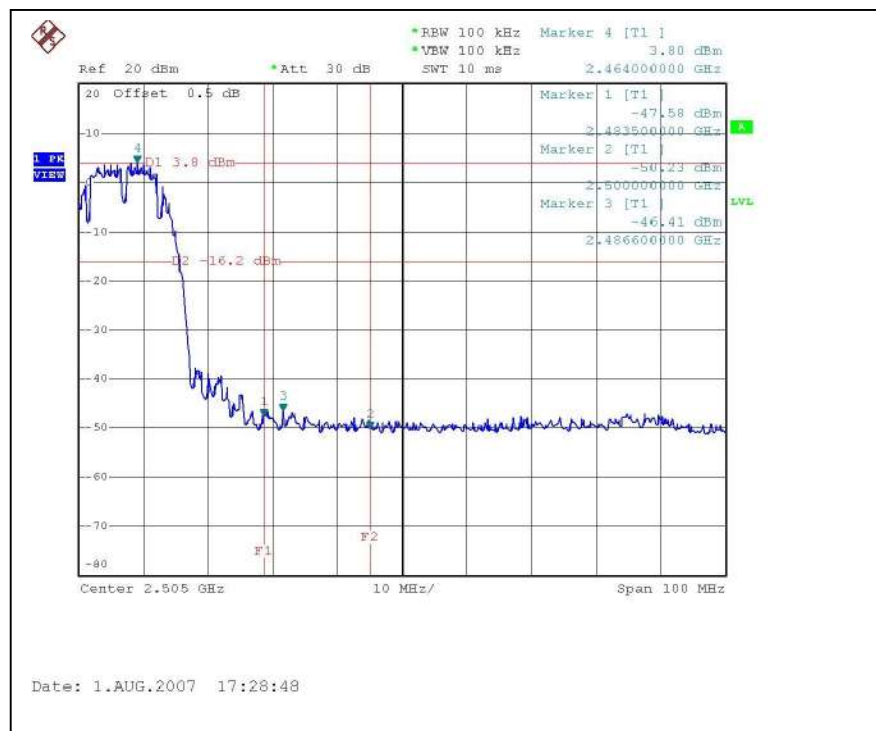
4.6.6 TEST RESULTS

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

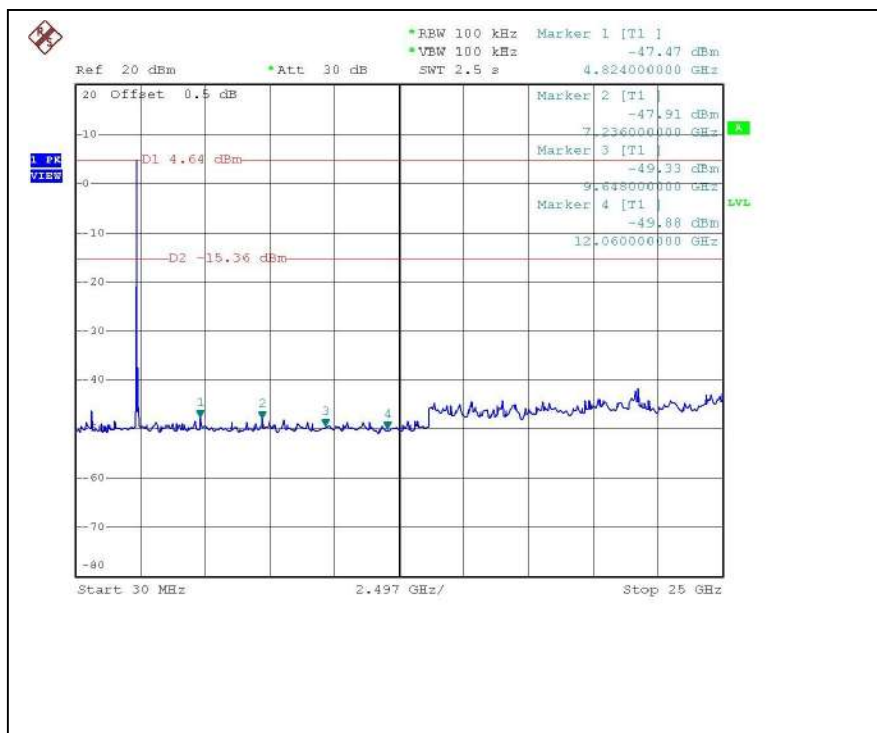
802.11b DSSS MODULATION: CH1



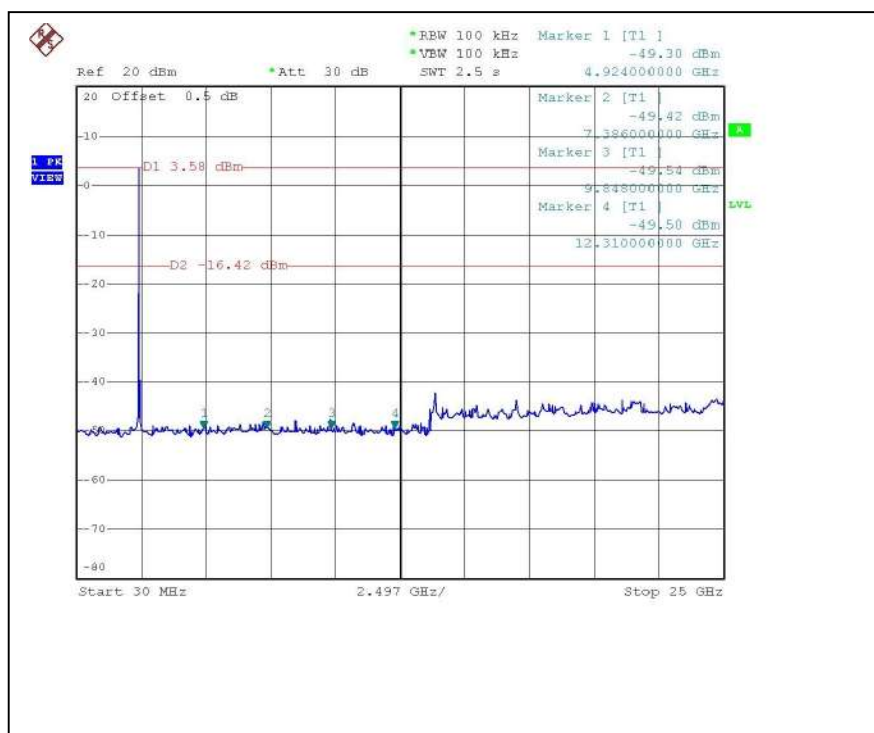
CH11



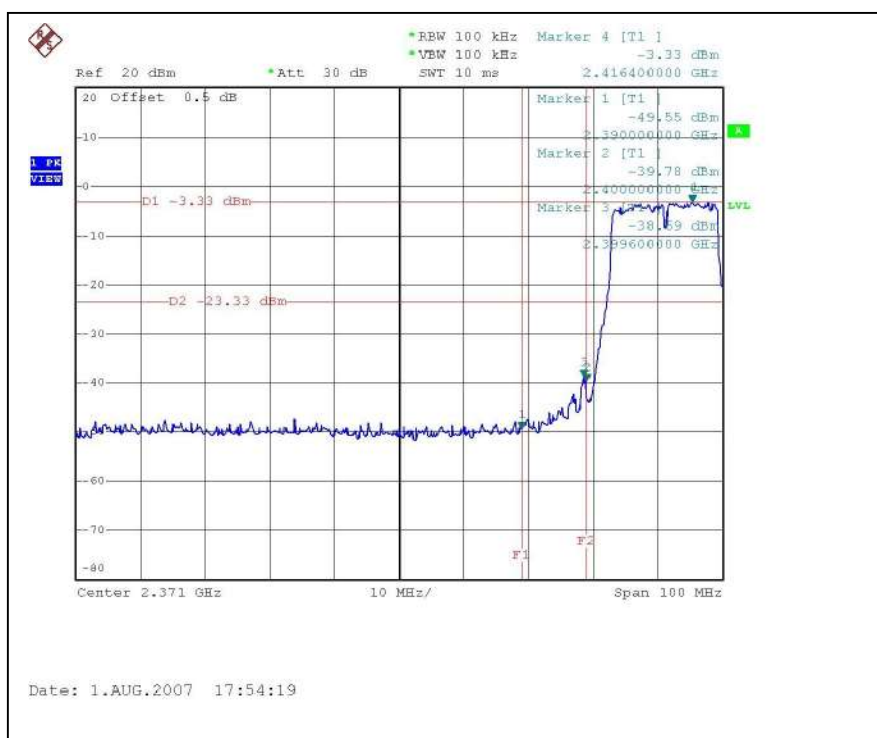
CH1



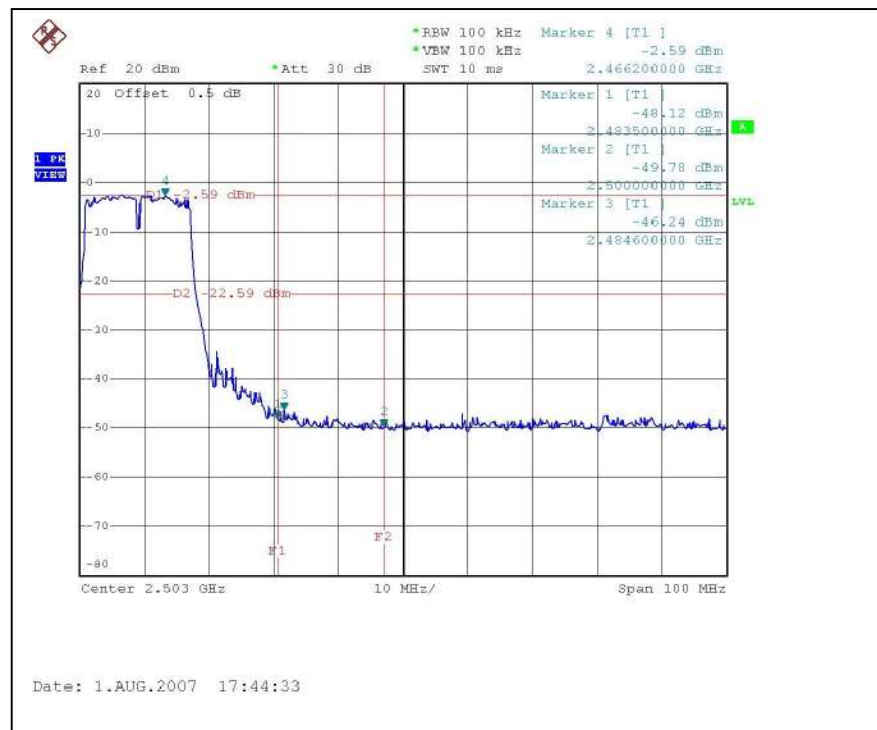
CH11



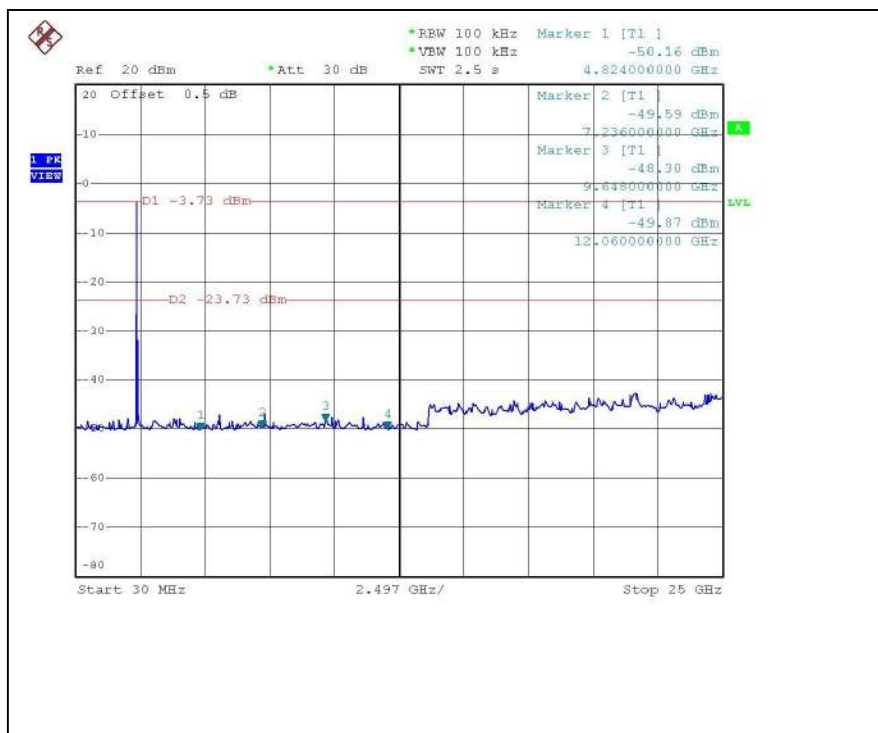
802.11g OFDM MODULATION: CH1



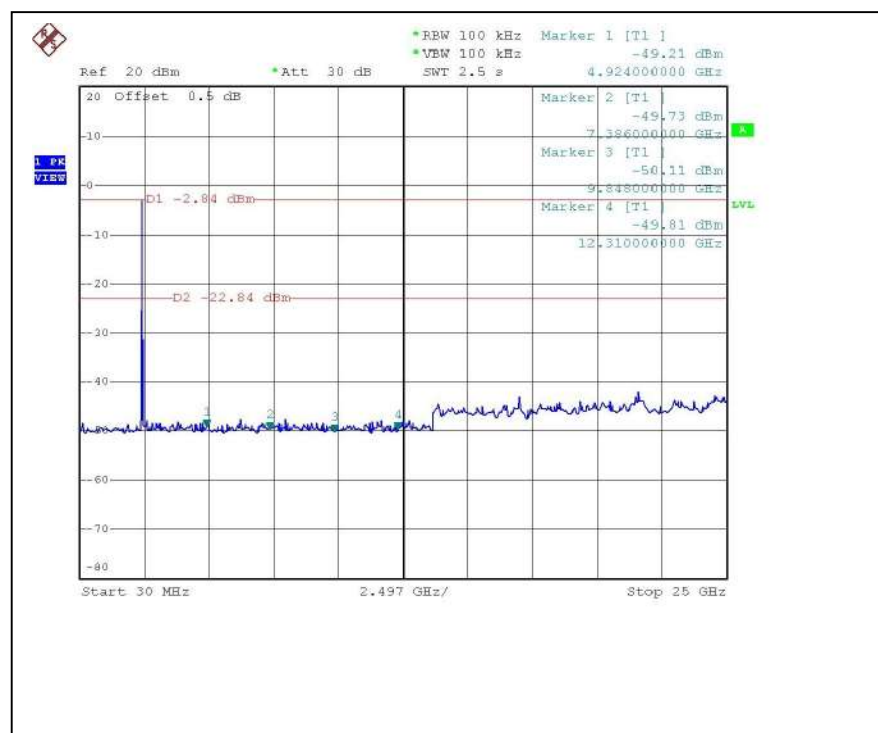
CH11



CH1



CH11



4.7 ANTENNA REQUIREMENT

4.7.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.7.2 ANTENNA CONNECTED CONSTRUCTION

The antennas used in this product are as below:

No.	Antenna Type	Gain (dBi)	Connector Type	Antenna gain include cable loss
1	$\lambda/4$ Dipole	2.25 dBi	SMA Reverse	No
2	$\lambda/4$ Dipole	2.24 dBi	I-PEX	Yes
3	$1/4\lambda$ Dipole Sleeve	2.1 dBi	RP-SMA (M)	No
4	$1/4\lambda$ Dipole Sleeve	2.1 dBi	RP-SMA (M)	No
5	$1/4\lambda$ Dipole Sleeve	2.1 dBi	RP-SMA (M)	No
6	PCB	1.14 dBi	I-PEX	Yes
7	$1/4 \lambda$ Dipole Sleeve	2.1 dBi	SMA Reverse	No

! Antenna 1,3,4,5 could choose antenna cable 1,2,3; Antenna 7 could choose antenna cable 4,5 (refer to table of NOTE 2) °

! From above antennas, antenna 2 and 6 were chosen for final test.

There are five antenna cables provided to above antennas:

No.	Brand Name	Model No.	Cable length (cm)	Cable loss (dBi)
1	WAN SHIH	SOW1294A1	11.66	0.71
2	KIN SUN	6603070205-105	10.5	0.5
3	WAN SHIH	SOW1916A1	11.9	0.57
4	WAN SHIH	THW1572A1	9	0.52
5	WAN SHIH	SAW0085A2	16	0.69

5 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025:

USA	FCC, UL, A2LA
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA, CSA
R.O.C.	TAF, BSMI, NCC
Netherlands	Telefication
Singapore	PSB, GOST-ASIA (MOU)
Russia	CERTIS (MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml.

If you have any comments, please feel free to contact us at the following:

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Fax: 886-2-26052943

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Fax: 886-3-5935342

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Tel: 886-3-3183232

Fax: 886-3-3185050

Email: service@adt.com.tw

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.