FCC TEST REPORT

REPORT NO.:	RF140421C37
MODEL NO.:	PCE3200AH
FCC ID:	QXO-24G32
RECEIVED:	Apr. 15, 2014
TESTED:	Apr. 16 ~ May 30, 2014
ISSUED:	Jun. 05, 2014

APPLICANT:	Extreme Networks, Inc.
ADDRESS:	9 Northeastern Blvd. Salem, New Hampshire, United States, 03079

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.
TEST LOCATION:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF140421C37	Original release.	Jun. 05, 2014

1. CERTIFICATION

PRODUCT:	802.11 bgn PCIe Module
MODEL NO.:	PCE3200AH
BRAND:	Extreme
APPLICANT:	Extreme Networks, Inc.
TESTED:	Apr. 16 ~ May 30, 2014
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 15, Subpart C (Section 15.247)**
	ANSI C63.10-2009

The above equipment (model: PCE3200AH) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** 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 : Celine Chou **, DATE :** Jun. 05, 2014

Celine Chou / Specialist

APPROVED BY : Ken Liu **, DATE :** Jun. 05, 2014

Ken Liu / Senior Manager

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	**TEST TYPE**	**RESULT**	**REMARK**
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -14.72dB at 15.52344MHz.
15.205 & 209	Radiated Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 2375.00, 2386.00, 2390.00, 2483.50, 2487.00, 2490.00, 2492.00, 2494.00 and 2496.00MHz.
15.247(d)	Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 2483.50MHz.
15.247(d)	Antenna Port Emission	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.
15.247(b)	Conducted power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is N-Type. (The device is professionally installed)

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz~30MHz	2.44dB
Radiated emissions	30MHz ~ 200MHz	3.34 dB
	200MHz ~1000MHz	3.35 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	802.11 bgn PCIe Module
MODEL NO.	PCE3200AH
POWER SUPPLY	5Vdc (External Board)
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b:11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 450.0Mbps
OPERATING FREQUENCY	2412 ~ 2462MHz
NUMBER OF CHANNEL	11 for 802.11b, 802.11g, 802.11n (20MHz) 7 for 802.11n (40MHz)
OUTPUT POWER	**Ant. 1:** 752.523mW **Ant. 2:** 96.820mW **Ant. 3:** 399.481mW **Ant. 4 (3TX):** 770.987mW **Ant. 4 (2TX):** 847.340mW **Ant. 5:** 930.496mW **Ant. 6:** 373.956mW
ANTENNA TYPE	Refer to note
ANTENNA CONNECTOR	Refer to note
DATA CABLE	NA
I/O PORTS	Refer to user's manual
ACCESSORY DEVICES	NA

NOTE:

1. The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers.

MODULATION MODE	TX FUNCTION (Ant. 1, 2, 3, 5, 6)	TX FUNCTION (Ant. 4)
802.11b	3TX	2TX / 3TX
802.11g	3TX	2TX / 3TX
802.11n (20MHz)	3TX	2TX / 3TX
802.11n (40MHz)	3TX	2TX / 3TX

2. There are 6 antennas for the EUT.

No.	Model	Type	Gain (dBi)	Connector
1	WS-AO-DT05120N	Sector	5	N-Type
2	WS-AO-DX13025N	Panel	12.5	N-Type
3	WS-AO-DX10055N	Panel	9.5	N-Type
4	Omni Stubby	Dipole	2	N-Type
5	Senao dipole 2.4G	Dipole	5	N-Type
6	SuperPass SP-G2HJ2H-6L	Sector	6	N-Type

3. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 DESCRIPTION OF TEST MODES

11 channels are provided for 802.11b, 802.11g and 802.11n (20MHz):

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

7 channels are provided for 802.11n (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
3	2422MHz	7	2442MHz
4	2427MHz	8	2447MHz
5	2432MHz	9	2452MHz
6	2437MHz		

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
A	√	√	√	√	EUT with Ant. 1
B	√	√	√	√	EUT with Ant. 2
C	√	√	√	√	EUT with Ant. 3
D	√	√	√	√	EUT with Ant. 4 (3TX)
E	√	√	√	√	EUT with Ant. 4 (2TX)
F	√	√	√	√	EUT with Ant. 5
G	√	√	√	√	EUT with Ant. 6

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

NOTE: For test mode G, the antenna of EUT had been pre-tested on the positioned of Y axis and Z axis. The worst case was found when positioned on **Y-plane**.

RADIATED EMISSION TEST (ABOVE 1GHz):

☒ 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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B ,C, D, E, F, G	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2
	802.11n (40MHz)	3 to 9	3, 6, 9	OFDM	BPSK	15.0

RADIATED EMISSION TEST (BELOW 1GHz):

☒ 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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B ,C, D, E, F, G	802.11b	1 to 11	1	DSSS	DBPSK	1.0

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B ,C, D, E, F, G	802.11b	1 to 11	1	DSSS	DBPSK	1.0

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B ,C, D, E, F, G	802.11b	1 to 11	1, 11	DSSS	DBPSK	1.0
	802.11g	1 to 11	1, 11	OFDM	BPSK	6.0
	802.11n (20MHz)	1 to 11	1, 11	OFDM	BPSK	7.2
	802.11n (40MHz)	3 to 9	3, 9	OFDM	BPSK	15.0

ANTENNA PORT CONDUCTED MEASUREMENT:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

☒ 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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B ,C, D, E, F, G	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2
	802.11n (40MHz)	3 to 9	3, 6, 9	OFDM	BPSK	15.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	22deg. C, 67%RH 21deg. C, 62%RH 22deg. C, 65%RH	120Vac, 60Hz	Chris Lin Jones Chang
RE<1G	22deg. C, 67%RH 21deg. C, 62%RH 22deg. C, 65%RH	120Vac, 60Hz	Chris Lin Jones Chang
PLC	25deg. C, 68%RH	120Vac, 60Hz	Sun Lin
APCM	25deg. C, 60%RH	120Vac, 60Hz	Martin Lee

3.3 DUTY CYCLE OF TEST SIGNAL

TEST MODE A

802.11b: Duty cycle of test signal is 100 %, duty factor is not required.

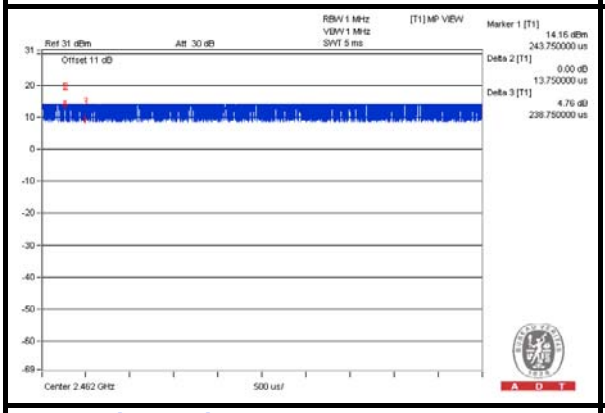
802.11g, 802.11n (20MHz), 802.11n (40MHz): Duty cycle of test signal < 98 %, duty factor is required.

802.11g: Duty cycle = 1.359/1.410 = 0.963, Duty factor = 10 * log(1/0.963) = 0.16

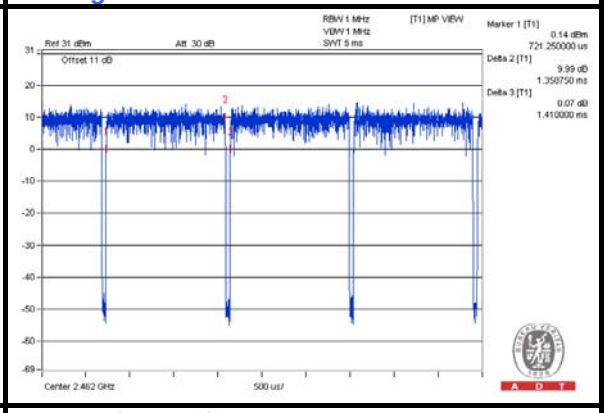
802.11n (20MHz): Duty cycle = 1.271/1.321 = 0.962, Duty factor = 10 * log(1/0.962) = 0.17

802.11n (40MHz): Duty cycle = 0.631/0.671 = 0.940, Duty factor = 10 * log(1/0.940) = 0.27

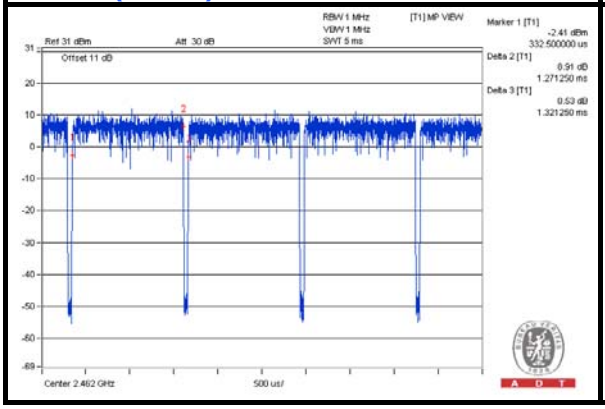
802.11b



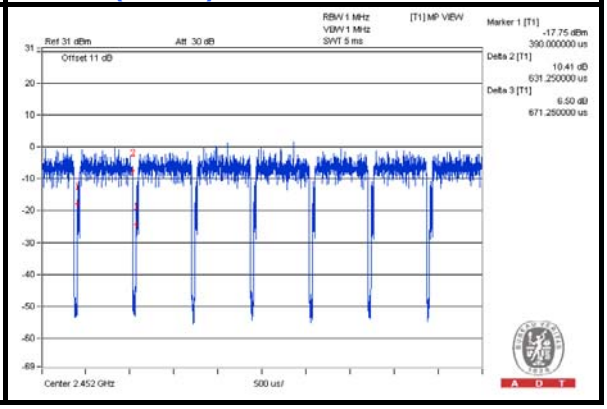
802.11g



802.11n (20MHz)



802.11n (40MHz)



TEST MODE B

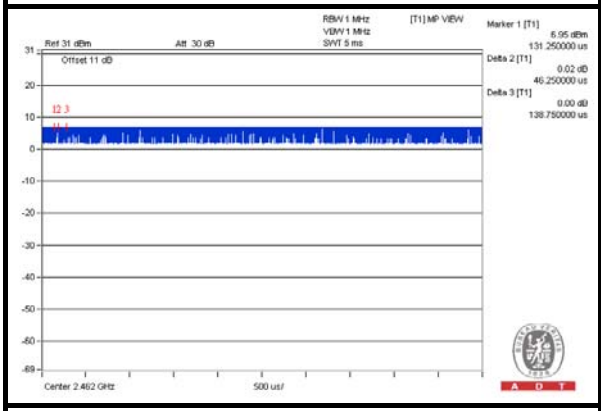
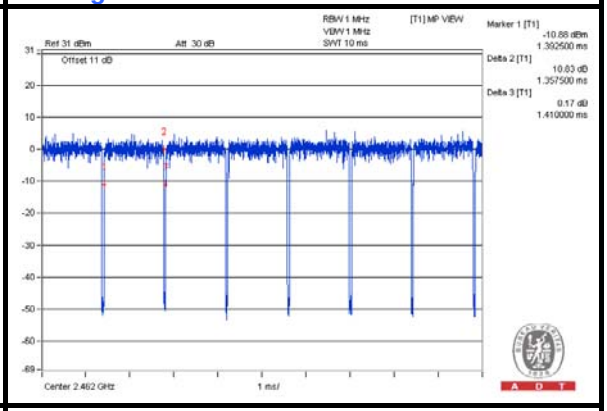
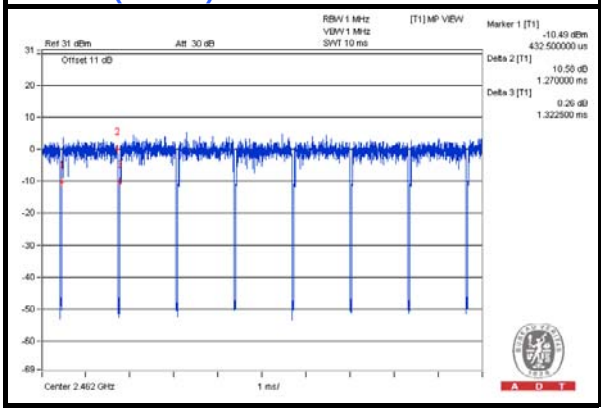
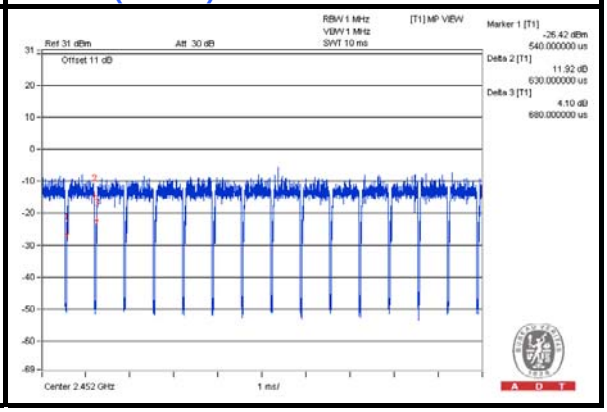
802.11b: Duty cycle of test signal is 100 %, duty factor is not required.

802.11g, 802.11n (20MHz), 802.11n (40MHz): Duty cycle of test signal < 98 %, duty factor is required.

802.11g: Duty cycle = 1.358/1.410 = 0.963, Duty factor = 10 * log(1/0.963) = 0.16

802.11n (20MHz): Duty cycle = 1.270/1.323 = 0.960, Duty factor = 10 * log(1/0.960) = 0.18

802.11n (40MHz): Duty cycle = 0.630/0.680 = 0.926, Duty factor = 10 * log(1/0.926) = 0.33

802.11b	802.11g
	
802.11n (20MHz)	**802.11n (40MHz)**
	

TEST MODE C

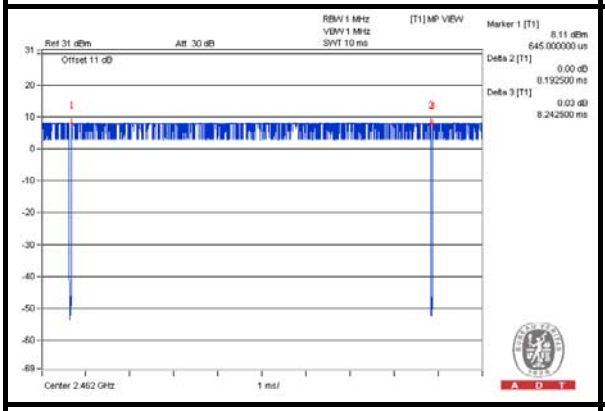
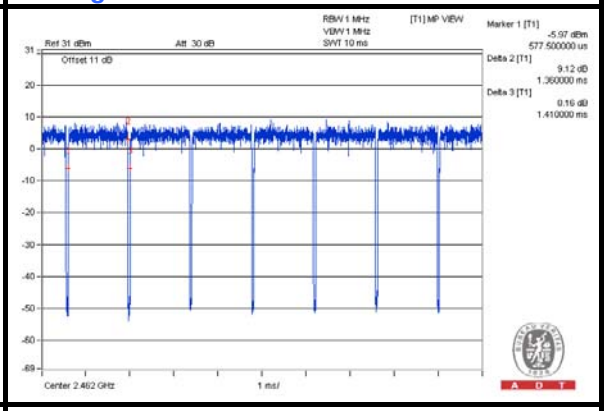
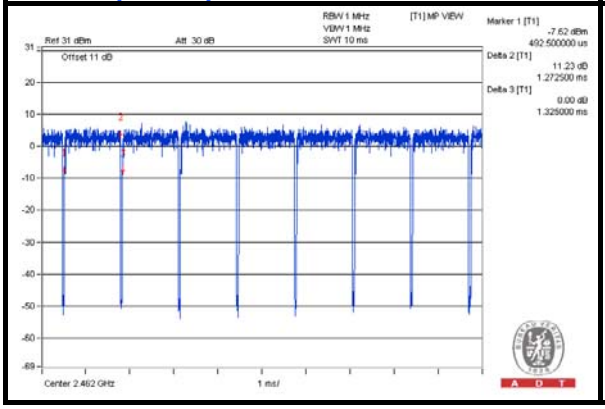
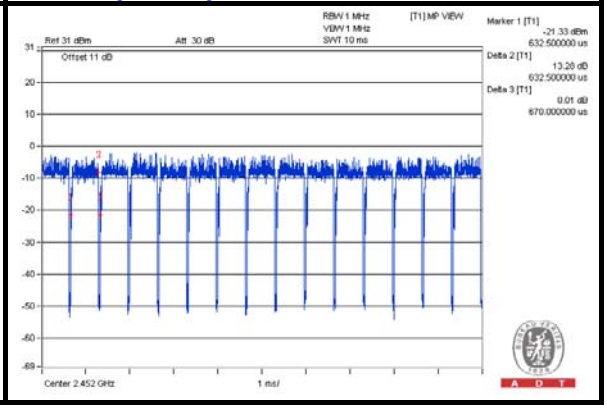
802.11b: Duty cycle = Duty cycle of test signal > 98 %, duty factor is not required.

802.11g, 802.11n (20MHz), 802.11n (40MHz): Duty cycle of test signal < 98 %, duty factor is required.

802.11g: Duty cycle = 1.360/1.410 = 0.965, Duty factor = 10 * log(1/0.965) = 0.16

802.11n (20MHz): Duty cycle = 1.273/1.325 = 0.961, Duty factor = 10 * log(1/0.961) = 0.17

802.11n (40MHz): Duty cycle = 0.633/0.670 = 0.945, Duty factor = 10 * log(1/0.945) = 0.25

802.11b	802.11g
	
802.11n (20MHz)	**802.11n (40MHz)**
	

TEST MODE D

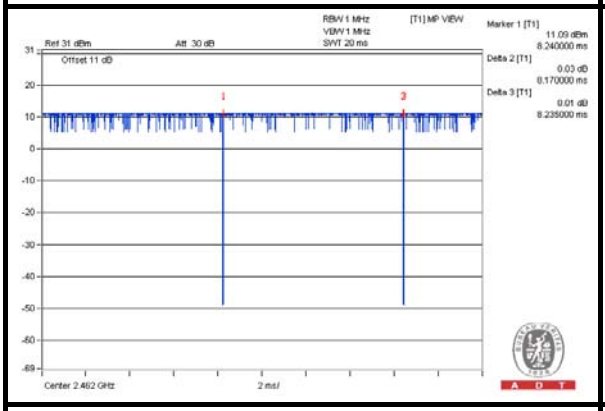
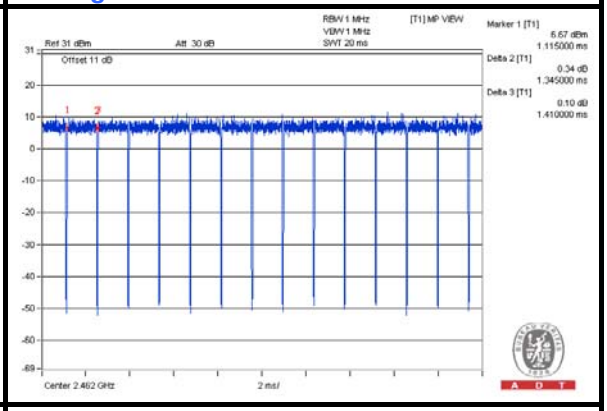
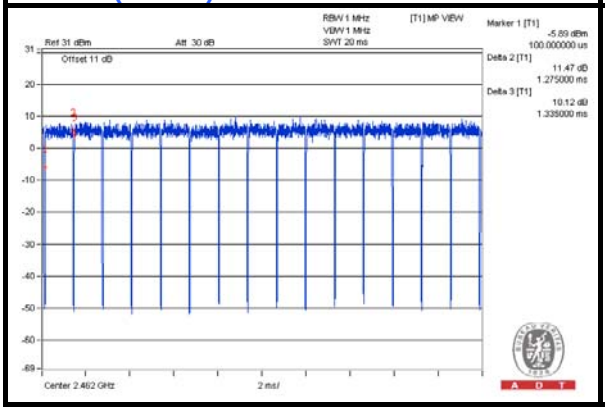
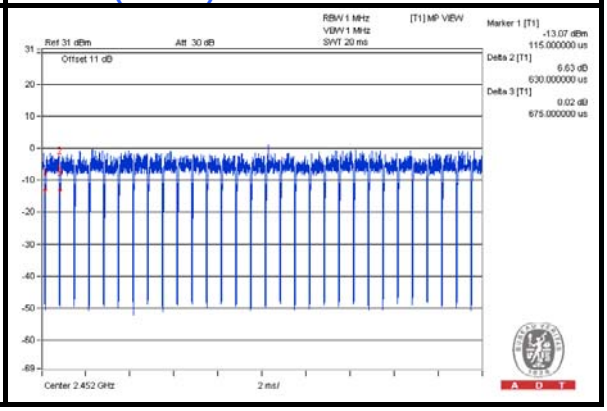
802.11b: Duty cycle = Duty cycle of test signal > 98 %, duty factor is not required.

802.11g, 802.11n (20MHz), 802.11n (40MHz): Duty cycle of test signal < 98 %, duty factor is required.

802.11g: Duty cycle = 1.345/1.410 = 0.954, Duty factor = 10 * log(1/0.954) = 0.20

802.11n (20MHz): Duty cycle = 1.275/1.335 = 0.955, Duty factor = 10 * log(1/0.955) = 0.20

802.11n (40MHz): Duty cycle = 0.633/0.675 = 0.938, Duty factor = 10 * log(1/0.938) = 0.28

802.11b	802.11g
	
802.11n (20MHz)	**802.11n (40MHz)**
	

TEST MODE E

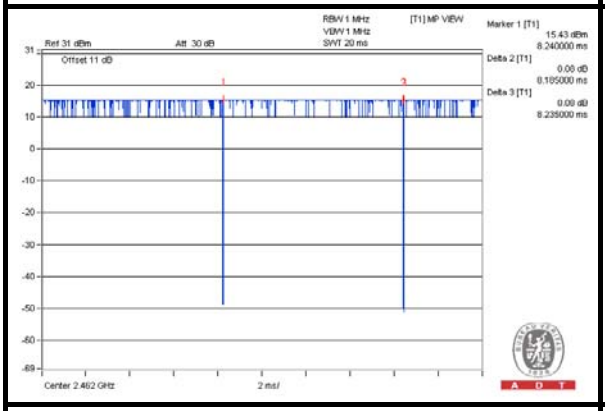
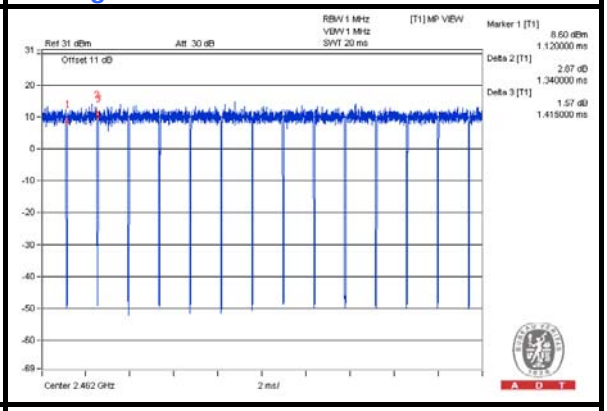
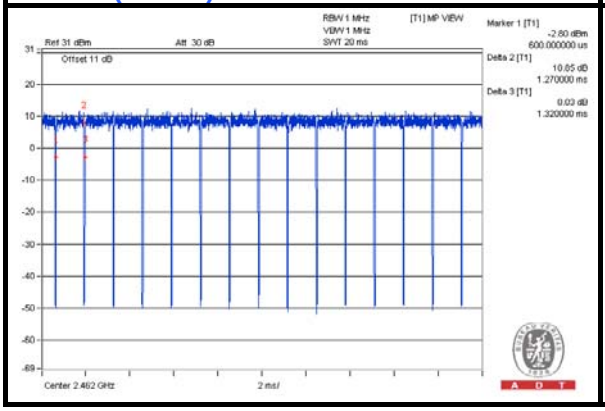
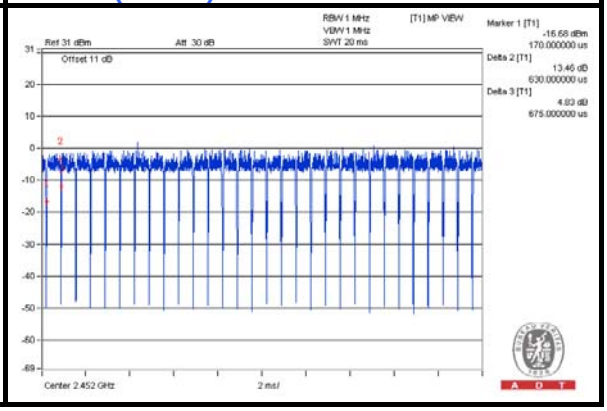
802.11b: Duty cycle = Duty cycle of test signal > 98 %, duty factor is not required.

802.11g, 802.11n (20MHz), 802.11n (40MHz): Duty cycle of test signal < 98 %, duty factor is required.

802.11g: Duty cycle = 1.340/1.415 = 0.947, Duty factor = 10 * log(1/0.947) = 0.24

802.11n (20MHz): Duty cycle = 1.270/1.320 = 0.962, Duty factor = 10 * log(1/0.962) = 0.17

802.11n (40MHz): Duty cycle = 0.630/0.675 = 0.933, Duty factor = 10 * log(1/0.933) = 0.30

802.11b	802.11g
	
802.11n (20MHz)	**802.11n (40MHz)**
	

TEST MODE F

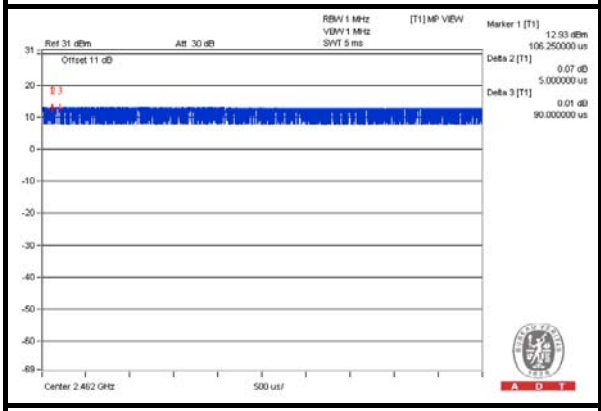
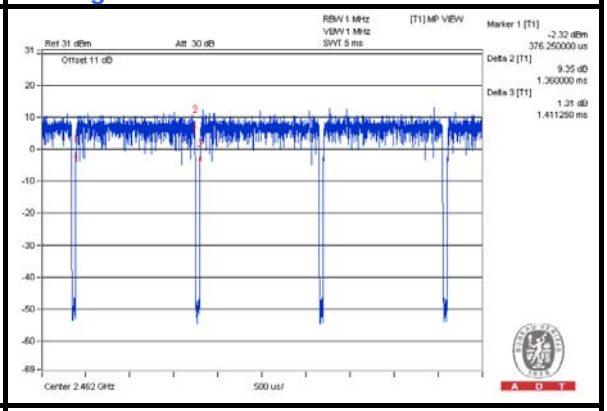
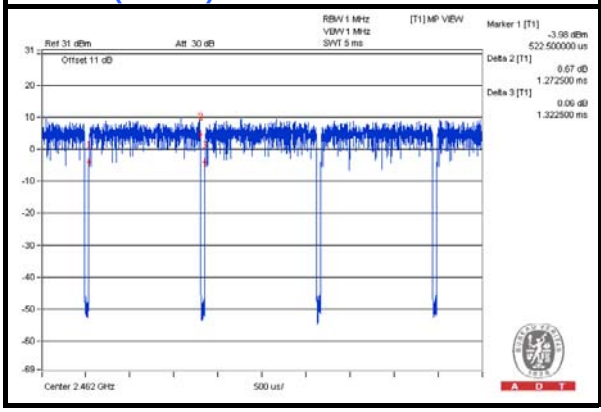
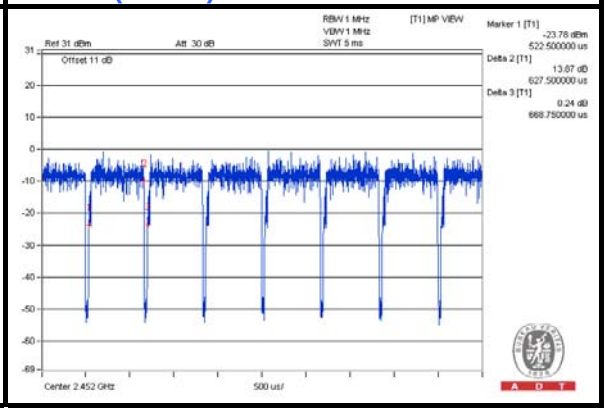
802.11b: Duty cycle of test signal is 100 %, duty factor is not required.

802.11g, 802.11n (20MHz), 802.11n (40MHz): Duty cycle of test signal < 98 %, duty factor is required.

802.11g: Duty cycle = 1.360/1.411 = 0.964, Duty factor = 10 * log(1/0.964) = 0.16

802.11n (20MHz): Duty cycle = 1.273/1.323 = 0.962, Duty factor = 10 * log(1/0.962) = 0.17

802.11n (40MHz): Duty cycle = 0.628/0.669 = 0.939, Duty factor = 10 * log(1/0.939) = 0.27

802.11b	802.11g
	
802.11n (20MHz)	**802.11n (40MHz)**
	

TEST MODE G

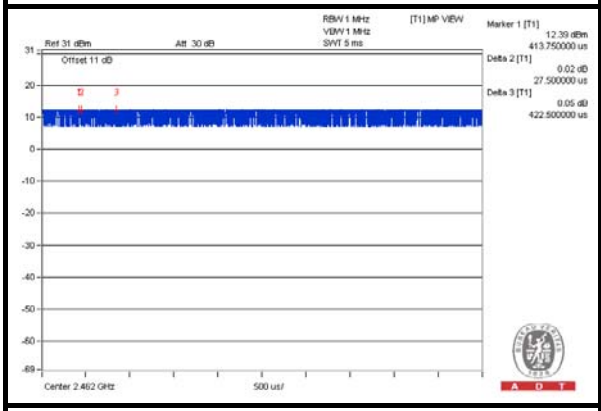
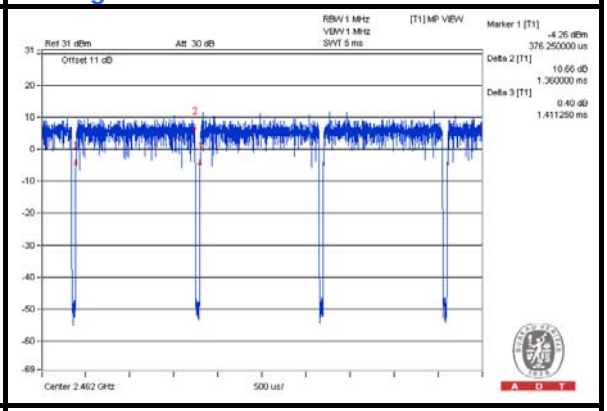
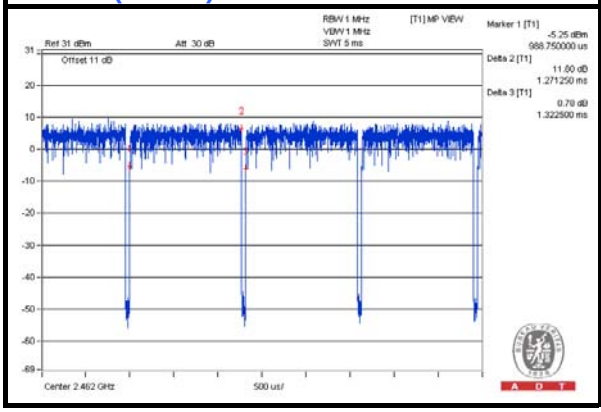
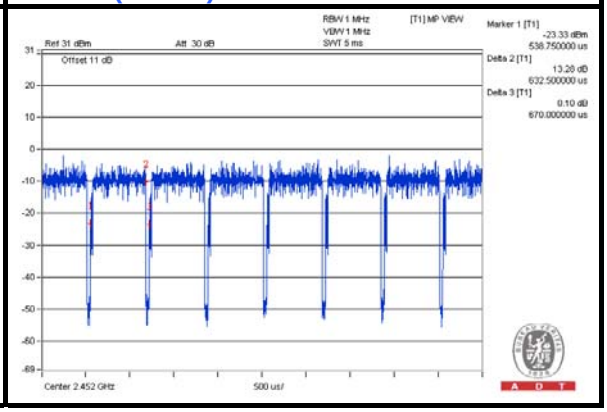
802.11b: Duty cycle of test signal is 100 %, duty factor is not required.

802.11g, 802.11n (20MHz), 802.11n (40MHz): Duty cycle of test signal < 98 %, duty factor is required.

802.11g: Duty cycle = 1.360/1.411 = 0.964, Duty factor = 10 * log(1/0.964) = 0.16

802.11n (20MHz): Duty cycle = 1.271/1.323 = 0.961, Duty factor = 10 * log(1/0.961) = 0.17

802.11n (40MHz): Duty cycle = 0.633/0.670 = 0.945, Duty factor = 10 * log(1/0.945) = 0.25

802.11b	802.11g
	
802.11n (20MHz)	**802.11n (40MHz)**
	

3.4 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Notebook	DELL	D531	CN-0XM006-48643-81U-2610	QDS-BRCM1020
2	Extenal Board	NA	NA	NA	NA
3	Power Supply	Topward	6603D	802001	NA

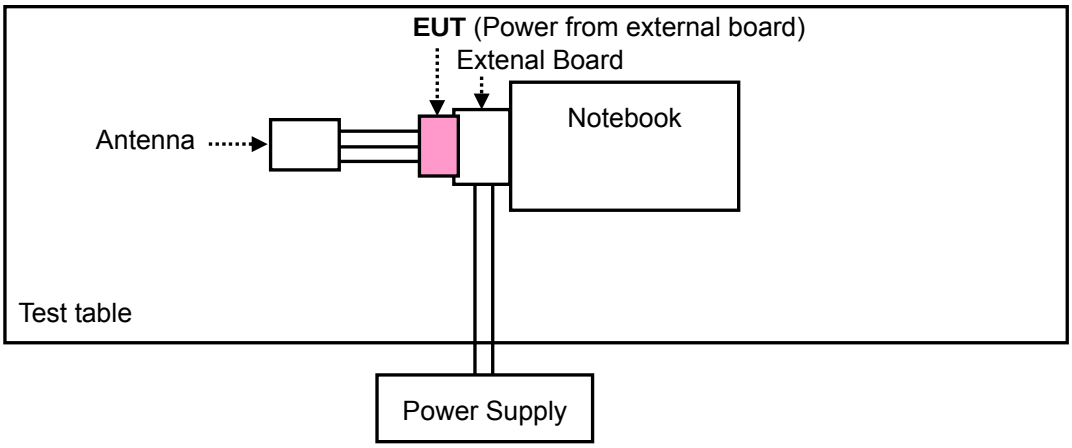
NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA
3	1.8m power cable x 2

NOTE:

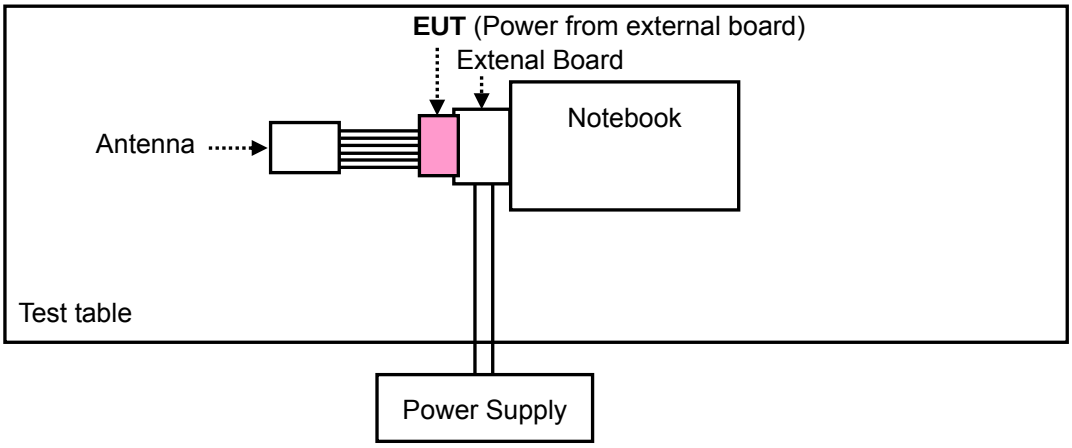
1. All power cords of the above support units are non-shielded (1.8m).
2. Item 2 was provided by client.
3. Item 3 was placed under the test table.

3.4.1 CONFIGURATION OF SYSTEM UNDER TEST

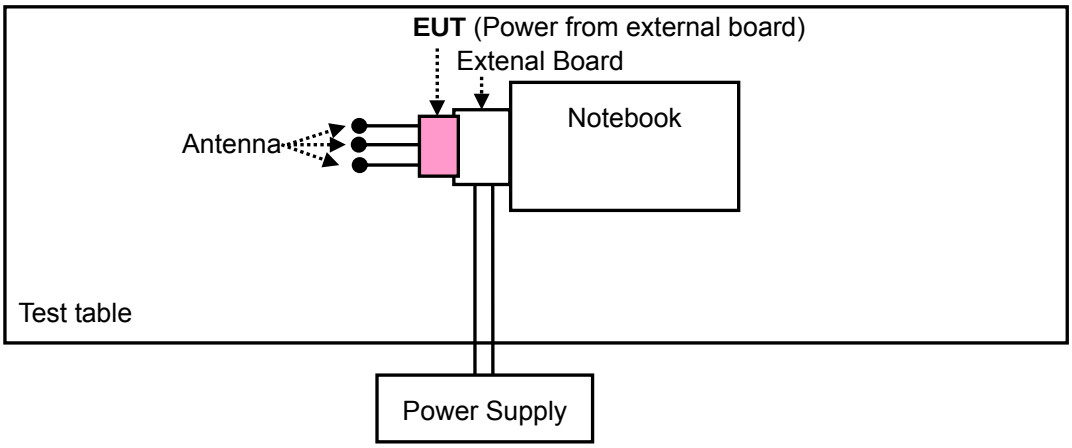
TEST MODE A, G



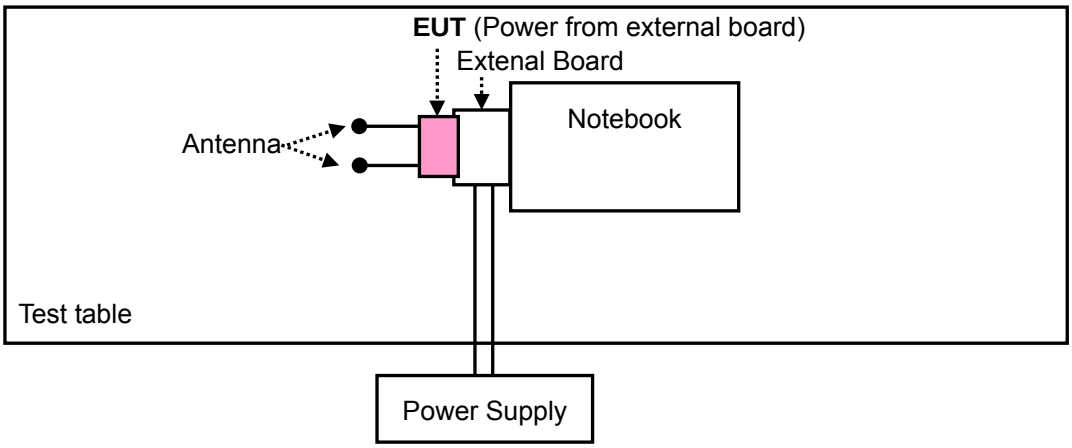
TEST MODE B, C



TEST MODE D, F



TEST MODE E



3.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart C (15.247)
558074 D01 DTS Meas Guidance v03r01
662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2009

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

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 30dB below the highest level of the desired power:

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. 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 30dB under any condition of modulation.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100187	Jan. 02, 2014	Jan. 01, 2015
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Mar. 03, 2014	Mar. 02, 2015
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Feb. 26, 2014	Feb. 25, 2015
HORN Antenna SCHWARZBECK	9120D	209	Sep. 12, 2013	Sep. 11, 2014
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 15, 2013	Jul. 14, 2014
Preamplifier Agilent	8447D	2944A10633	Oct. 07, 2013	Oct. 06, 2014
Preamplifier Agilent	8449B	3008A01964	Aug. 26, 2013	Aug. 25, 2014
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	214378/4	Aug. 26, 2013	Aug. 25, 2014
RF signal cable HUBER+SUHNNER	SUCOFLEX 106	12738/6 +309224/4	Aug. 26, 2013	Aug. 25, 2014
Software BV ADT	ADT_Radiated_ V7.6.15.9.4	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table BV ADT	TT100	TT93021703	NA	NA
Turn Table Controller BV ADT	SC100	SC93021703	NA	NA
High Speed Peak Power Meter	ML2495A	0824011	Jul. 29, 2013	Jul. 28, 2014
Power Sensor	MA2411B	0738171	Jul. 29, 2013	Jul. 28, 2014

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 HwaYa Chamber 3.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 988962.
5. The IC Site Registration No. is IC 7450F-3.

4.1.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

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

c. Height of receiving antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

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

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

f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

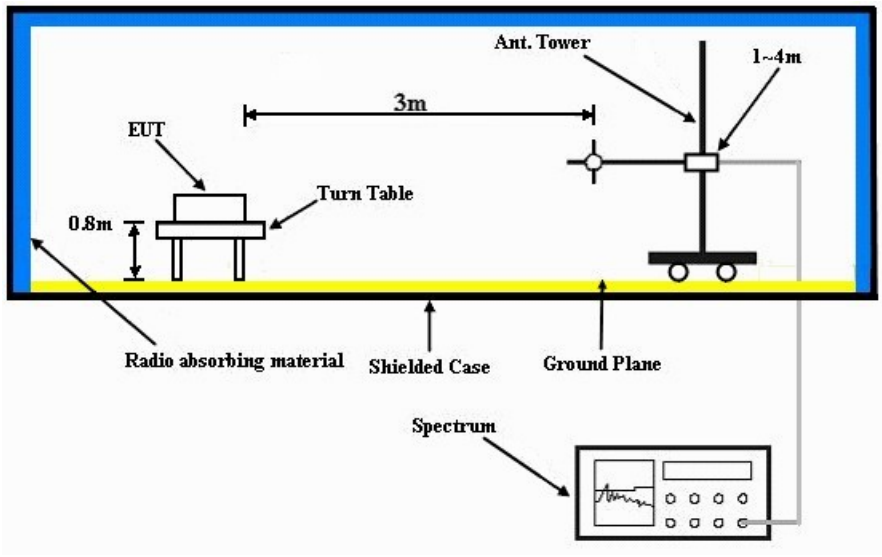
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

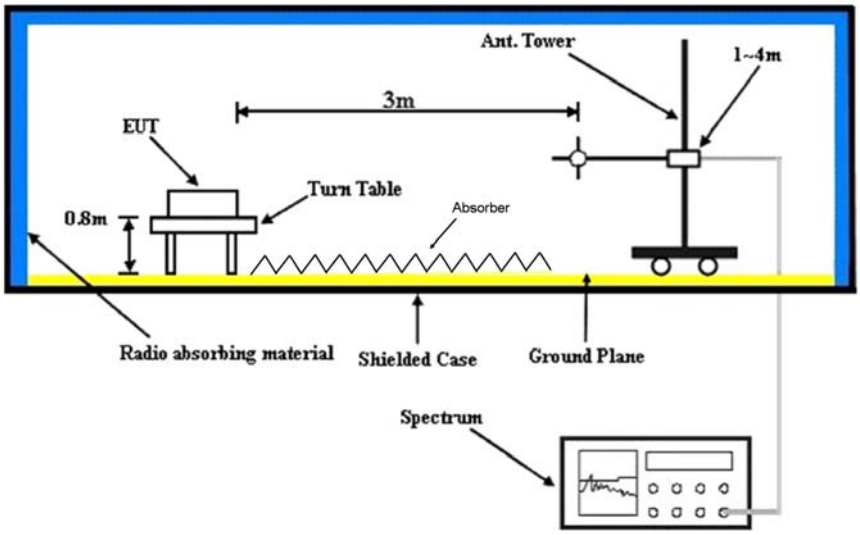
No deviation.

4.1.5 TEST SETUP

Frequency range 30MHz~1GHz



Frequency range above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

a. Plugged the EUT into notebook via external board and placed them on the testing table.
b. The notebook system ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
c. The necessary accessories enable the system in full functions.

4.1.7 TEST RESULTS

ABOVE 1GHz DATA：

TEST MODE A

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	58.5 PK	74.0	-15.5	1.18 H	348	27.50	31.00
2	2386.00	48.3 AV	54.0	-5.7	1.18 H	348	17.30	31.00
3	*2412.00	108.7 PK			1.17 H	340	77.60	31.10
4	*2412.00	105.3 AV			1.17 H	340	74.20	31.10
5	4824.00	53.8 PK	74.0	-20.2	1.00 H	12	48.90	4.90
6	4824.00	49.5 AV	54.0	-4.5	1.00 H	12	44.60	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.00	63.8 PK	74.0	-10.2	1.13 V	329	32.80	31.00
2	2386.00	52.9 AV	54.0	-1.1	1.13 V	329	21.90	31.00
3	*2412.00	115.8 PK			1.34 V	313	84.70	31.10
4	*2412.00	112.7 AV			1.34 V	313	81.60	31.10
5	4824.00	54.5 PK	74.0	-19.5	1.00 V	331	49.60	4.90
6	4824.00	51.3 AV	54.0	-2.7	1.00 V	331	46.40	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	56.1 PK	74.0	-17.9	1.20 H	339	25.10	31.00
2	2390.00	46.8 AV	54.0	-7.2	1.20 H	339	15.80	31.00
3	*2437.00	108.2 PK			1.17 H	346	77.00	31.20
4	*2437.00	104.3 AV			1.17 H	346	73.10	31.20
5	4874.00	53.2 PK	74.0	-20.8	1.00 H	7	48.20	5.00
6	4874.00	48.7 AV	54.0	-5.3	1.00 H	7	43.70	5.00
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	57.0 PK	74.0	-17.0	1.00 V	321	26.00	31.00
2	2390.00	46.8 AV	54.0	-7.2	1.00 V	321	15.80	31.00
3	*2437.00	115.9 PK			1.09 V	9	84.70	31.20
4	*2437.00	112.4 AV			1.09 V	9	81.20	31.20
5	4874.00	55.8 PK	74.0	-18.2	1.26 V	351	50.80	5.00
6	4874.00	52.6 AV	54.0	-1.4	1.26 V	351	47.60	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	110.3 PK			1.16 H	344	79.00	31.30
2	*2462.00	106.8 AV			1.16 H	344	75.50	31.30
3	2487.00	57.1 PK	74.0	-16.9	1.15 H	1	25.70	31.40
4	2487.00	45.6 AV	54.0	-8.4	1.15 H	1	14.20	31.40
5	4924.00	53.0 PK	74.0	-21.0	1.00 H	340	47.80	5.20
6	4924.00	48.9 AV	54.0	-5.1	1.00 H	340	43.70	5.20
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	*2462.00	116.1 PK			1.07 V	14	84.80	31.30
2	*2462.00	112.6 AV			1.07 V	14	81.30	31.30
3	2487.00	67.1 PK	74.0	-6.9	1.12 V	326	35.70	31.40
4	**2487.00**	**53.0 AV**	**54.0**	**-1.0**	**1.12 V**	**326**	**21.60**	**31.40**
5	4924.00	56.0 PK	74.0	-18.0	1.25 V	355	50.80	5.20
6	4924.00	51.9 AV	54.0	-2.1	1.25 V	355	46.70	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	66.0 PK	74.0	-8.0	1.21 H	0	35.00	31.00
2	2390.00	51.5 AV	54.0	-2.5	1.21 H	0	20.50	31.00
3	*2412.00	109.0 PK			1.18 H	346	77.90	31.10
4	*2412.00	99.8 AV			1.18 H	346	68.70	31.10
5	4824.00	47.7 PK	74.0	-26.3	1.13 H	13	42.80	4.90
6	4824.00	35.4 AV	54.0	-18.6	1.13 H	13	30.50	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.1 PK	74.0	-4.9	1.10 V	19	38.10	31.00
2	2390.00	52.4 AV	54.0	-1.6	1.10 V	19	21.40	31.00
3	*2412.00	116.8 PK			1.32 V	10	85.70	31.10
4	*2412.00	106.6 AV			1.32 V	10	75.50	31.10
5	4824.00	53.1 PK	74.0	-20.9	1.21 V	353	48.20	4.90
6	4824.00	38.2 AV	54.0	-15.8	1.21 V	353	33.30	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	58.8 PK	74.0	-15.2	1.20 H	342	27.80	31.00
2	2390.00	47.1 AV	54.0	-6.9	1.20 H	342	16.10	31.00
3	*2437.00	113.4 PK			1.18 H	347	82.20	31.20
4	*2437.00	103.7 AV			1.18 H	347	72.50	31.20
5	2483.50	61.4 PK	74.0	-12.6	1.14 H	0	30.00	31.40
6	2483.50	49.2 AV	54.0	-4.8	1.14 H	0	17.80	31.40
7	4874.00	54.2 PK	74.0	-19.8	1.00 H	343	49.20	5.00
8	4874.00	40.8 AV	54.0	-13.2	1.00 H	343	35.80	5.00
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	62.3 PK	74.0	-11.7	1.14 V	10	31.30	31.00
2	2390.00	50.1 AV	54.0	-3.9	1.14 V	10	19.10	31.00
3	*2437.00	120.3 PK			1.09 V	12	89.10	31.20
4	*2437.00	110.3 AV			1.09 V	12	79.10	31.20
5	2483.50	67.0 PK	74.0	-7.0	1.31 V	14	35.60	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.31 V**	**14**	**21.60**	**31.40**
7	4874.00	57.1 PK	74.0	-16.9	1.12 V	350	52.10	5.00
8	4874.00	43.4 AV	54.0	-10.6	1.12 V	350	38.40	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	111.7 PK			1.16 H	353	80.40	31.30
2	*2462.00	102.2 AV			1.16 H	353	70.90	31.30
3	2483.50	66.6 PK	74.0	-7.4	1.14 H	0	35.20	31.40
4	2483.50	51.2 AV	54.0	-2.8	1.14 H	0	19.80	31.40
5	4924.00	49.3 PK	74.0	-24.7	1.09 H	3	44.10	5.20
6	4924.00	36.9 AV	54.0	-17.1	1.09 H	3	31.70	5.20
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	*2462.00	116.2 PK			1.04 V	32	84.90	31.30
2	*2462.00	106.4 AV			1.04 V	32	75.10	31.30
3	2483.50	67.7 PK	74.0	-6.3	1.29 V	318	36.30	31.40
4	2483.50	52.7 AV	54.0	-1.3	1.29 V	318	21.30	31.40
5	4924.00	51.7 PK	74.0	-22.3	1.15 V	353	46.50	5.20
6	4924.00	39.1 AV	54.0	-14.9	1.15 V	353	33.90	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.9 PK	74.0	-12.1	1.42 H	360	30.90	31.00
2	2390.00	48.3 AV	54.0	-5.7	1.42 H	360	17.30	31.00
3	*2412.00	105.4 PK			1.19 H	357	74.30	31.10
4	*2412.00	94.6 AV			1.19 H	357	63.50	31.10
5	4824.00	46.4 PK	74.0	-27.6	1.10 H	84	41.50	4.90
6	4824.00	34.5 AV	54.0	-19.5	1.10 H	84	29.60	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.7 PK	74.0	-7.3	1.11 V	19	35.70	31.00
2	2390.00	52.3 AV	54.0	-1.7	1.11 V	19	21.30	31.00
3	*2412.00	112.3 PK			1.12 V	348	81.20	31.10
4	*2412.00	102.4 AV			1.12 V	348	71.30	31.10
5	4824.00	46.5 PK	74.0	-27.5	1.18 V	250	41.60	4.90
6	4824.00	33.9 AV	54.0	-20.1	1.18 V	250	29.00	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	57.6 PK	74.0	-16.4	1.21 H	0	26.60	31.00
2	2390.00	46.8 AV	54.0	-7.2	1.21 H	0	15.80	31.00
3	*2437.00	112.7 PK			1.18 H	345	81.50	31.20
4	*2437.00	102.6 AV			1.18 H	345	71.40	31.20
5	2483.50	61.5 PK	74.0	-12.5	1.14 H	358	30.10	31.40
6	2483.50	48.6 AV	54.0	-5.4	1.14 H	358	17.20	31.40
7	4874.00	53.1 PK	74.0	-20.9	1.00 H	345	48.10	5.00
8	4874.00	39.9 AV	54.0	-14.1	1.00 H	345	34.90	5.00
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	62.7 PK	74.0	-11.3	1.14 V	14	31.70	31.00
2	2390.00	50.4 AV	54.0	-3.6	1.14 V	14	19.40	31.00
3	*2437.00	118.1 PK			1.10 V	9	86.90	31.20
4	*2437.00	108.6 AV			1.10 V	9	77.40	31.20
5	2483.50	67.3 PK	74.0	-6.7	1.29 V	19	35.90	31.40
6	2483.50	52.1 AV	54.0	-1.9	1.29 V	19	20.70	31.40
7	4874.00	55.2 PK	74.0	-18.8	1.00 V	349	50.20	5.00
8	4874.00	42.1 AV	54.0	-11.9	1.00 V	349	37.10	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	107.8 PK			1.39 H	342	76.50	31.30
2	*2462.00	98.7 AV			1.39 H	342	67.40	31.30
3	2483.50	63.7 PK	74.0	-10.3	1.14 H	0	32.30	31.40
4	2483.50	49.7 AV	54.0	-4.3	1.14 H	0	18.30	31.40
5	4924.00	46.5 PK	74.0	-27.5	1.07 H	12	41.30	5.20
6	4924.00	34.2 AV	54.0	-19.8	1.07 H	12	29.00	5.20
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	*2462.00	113.4 PK			1.06 V	25	82.10	31.30
2	*2462.00	103.7 AV			1.06 V	25	72.40	31.30
3	2483.50	64.6 PK	74.0	-9.4	1.34 V	18	33.20	31.40
4	2483.50	52.3 AV	54.0	-1.7	1.34 V	18	20.90	31.40
5	4924.00	48.8 PK	74.0	-25.2	1.12 V	344	43.60	5.20
6	4924.00	35.6 AV	54.0	-18.4	1.12 V	344	30.40	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.0 PK	74.0	-12.0	1.25 H	341	31.00	31.00
2	2390.00	48.9 AV	54.0	-5.1	1.25 H	341	17.90	31.00
3	*2422.00	100.1 PK			1.41 H	344	68.90	31.20
4	*2422.00	90.5 AV			1.41 H	344	59.30	31.20
5	4844.00	47.1 PK	74.0	-26.9	1.10 H	203	42.10	5.00
6	4844.00	34.0 AV	54.0	-20.0	1.00 H	203	29.00	5.00
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	69.5 PK	74.0	-4.5	1.12 V	0	38.50	31.00
2	2390.00	52.9 AV	54.0	-1.1	1.12 V	0	21.90	31.00
3	*2422.00	106.6 PK			1.09 V	30	75.40	31.20
4	*2422.00	96.8 AV			1.09 V	30	65.60	31.20
5	4844.00	47.5 PK	74.0	-26.5	1.60 V	353	42.50	5.00
6	4844.00	34.3 AV	54.0	-19.7	1.60 V	353	29.30	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.4 PK	74.0	-14.6	1.15 H	349	28.40	31.00
2	2390.00	49.1 AV	54.0	-4.9	1.15 H	349	18.10	31.00
3	*2437.00	104.9 PK			1.17 H	356	73.70	31.20
4	*2437.00	95.4 AV			1.17 H	356	64.20	31.20
5	2483.50	57.9 PK	74.0	-16.1	1.16 H	359	26.50	31.40
6	2483.50	48.1 AV	54.0	-5.9	1.16 H	359	16.70	31.40
7	4874.00	47.5 PK	74.0	-26.5	1.36 H	29	42.50	5.00
8	4874.00	33.9 AV	54.0	-20.1	1.36 H	29	28.90	5.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.5 PK	74.0	-5.5	1.13 V	322	37.50	31.00
2	2390.00	52.2 AV	54.0	-1.8	1.13 V	322	21.20	31.00
3	*2437.00	111.4 PK			1.10 V	7	80.20	31.20
4	*2437.00	100.4 AV			1.10 V	7	69.20	31.20
5	2483.50	65.1 PK	74.0	-8.9	1.10 V	7	33.70	31.40
6	2483.50	52.7 AV	54.0	-1.3	1.10 V	7	21.30	31.40
7	4874.00	48.3 PK	74.0	-25.7	1.26 V	121	43.30	5.00
8	4874.00	34.6 AV	54.0	-19.4	1.26 V	121	29.60	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	99.4 PK			1.40 H	354	68.10	31.30
2	*2452.00	89.9 AV			1.40 H	354	58.60	31.30
3	2483.50	63.6 PK	74.0	-10.4	1.38 H	350	32.20	31.40
4	2483.50	48.5 AV	54.0	-5.5	1.38 H	350	17.10	31.40
5	4904.00	47.1 PK	74.0	-26.9	1.56 H	201	42.00	5.10
6	4904.00	34.1 AV	54.0	-19.9	1.56 H	201	29.00	5.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	106.0 PK			1.09 V	322	74.70	31.30
2	*2452.00	95.6 AV			1.09 V	322	64.30	31.30
3	2483.50	70.4 PK	74.0	-3.6	1.10 V	322	39.00	31.40
4	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.10 V**	**322**	**21.60**	**31.40**
5	4904.00	47.5 PK	74.0	-26.5	1.26 V	289	42.40	5.10
6	4904.00	34.4 AV	54.0	-19.6	1.26 V	289	29.30	5.10

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

TEST MODE B

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.0 PK	74.0	-13.0	1.20 H	326	30.00	31.00
2	2390.00	47.8 AV	54.0	-6.2	1.20 H	326	16.80	31.00
3	*2412.00	108.8 PK			1.17 H	353	77.70	31.10
4	*2412.00	105.2 AV			1.17 H	353	74.10	31.10
5	2490.00	62.5 PK	74.0	-11.5	1.13 H	350	31.00	31.50
6	2490.00	50.6 AV	54.0	-3.4	1.13 H	350	19.10	31.50
7	4824.00	46.8 PK	74.0	-27.2	1.10 H	348	41.90	4.90
8	4824.00	34.2 AV	54.0	-19.8	1.10 H	348	29.30	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.3 PK	74.0	-7.7	1.15 V	349	35.30	31.00
2	2390.00	49.9 AV	54.0	-4.1	1.15 V	349	18.90	31.00
3	*2412.00	115.7 PK			1.15 V	352	84.60	31.10
4	*2412.00	111.8 AV			1.15 V	352	80.70	31.10
5	2490.00	67.2 PK	74.0	-6.8	1.14 V	351	35.70	31.50
6	**2490.00**	**53.0 AV**	**54.0**	**-1.0**	**1.14 V**	**351**	**21.50**	**31.50**
7	4824.00	48.8 PK	74.0	-25.2	1.56 V	47	43.90	4.90
8	4824.00	36.8 AV	54.0	-17.2	1.56 V	47	31.90	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	2350.00	59.6 PK	74.0	-14.4	1.16 H	358	28.70	30.90
2	2350.00	48.9 AV	54.0	-5.1	1.16 H	358	18.00	30.90
3	*2437.00	114.8 PK			1.16 H	348	83.60	31.20
4	*2437.00	111.1 AV			1.16 H	348	79.90	31.20
5	2483.50	65.1 PK	74.0	-8.9	1.13 H	349	33.70	31.40
6	2483.50	51.8 AV	54.0	-2.2	1.13 H	349	20.40	31.40
7	4874.00	47.9 PK	74.0	-26.1	1.18 H	1	42.90	5.00
8	4874.00	35.8 AV	54.0	-18.2	1.18 H	1	30.80	5.00
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	2350.00	62.9 PK	74.0	-11.1	1.20 V	354	32.00	30.90
2	2350.00	52.2 AV	54.0	-1.8	1.20 V	354	21.30	30.90
3	*2437.00	120.4 PK			1.14 V	353	89.20	31.20
4	*2437.00	117.0 AV			1.14 V	353	85.80	31.20
5	2483.50	66.7 PK	74.0	-7.3	1.11 V	354	35.30	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.11 V**	**354**	**21.60**	**31.40**
7	4874.00	48.1 PK	74.0	-25.9	1.23 V	55	43.10	5.00
8	4874.00	36.6 AV	54.0	-17.4	1.23 V	55	31.60	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	2375.00	59.6 PK	74.0	-14.4	1.00 H	359	28.60	31.00
2	2375.00	49.0 AV	54.0	-5.0	1.00 H	359	18.00	31.00
3	*2462.00	114.4 PK			1.12 H	355	83.10	31.30
4	*2462.00	110.7 AV			1.12 H	355	79.40	31.30
5	2483.50	64.2 PK	74.0	-9.8	1.10 H	357	32.80	31.40
6	2483.50	52.0 AV	54.0	-2.0	1.10 H	357	20.60	31.40
7	4924.00	50.0 PK	74.0	-24.0	1.16 H	355	44.80	5.20
8	4924.00	37.2 AV	54.0	-16.8	1.16 H	355	32.00	5.20
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	2375.00	64.9 PK	74.0	-9.1	1.22 V	353	33.90	31.00
2	**2375.00**	**53.0 AV**	**54.0**	**-1.0**	**1.22 V**	**353**	**22.00**	**31.00**
3	*2462.00	118.8 PK			1.15 V	352	87.50	31.30
4	*2462.00	114.9 AV			1.15 V	352	83.60	31.30
5	2483.50	68.2 PK	74.0	-5.8	1.35 V	352	36.80	31.40
6	2483.50	52.4 AV	54.0	-1.6	1.35 V	352	21.00	31.40
7	4924.00	50.8 PK	74.0	-23.2	1.50 V	56	45.60	5.20
8	4924.00	38.6 AV	54.0	-15.4	1.50 V	56	33.40	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.9 PK	74.0	-14.1	1.00 H	347	28.90	31.00
2	2390.00	49.4 AV	54.0	-4.6	1.00 H	347	18.40	31.00
3	*2412.00	110.8 PK			1.20 H	353	79.70	31.10
4	*2412.00	101.3 AV			1.20 H	353	70.20	31.10
5	2492.00	66.4 PK	74.0	-7.6	1.10 H	351	34.90	31.50
6	2492.00	51.8 AV	54.0	-2.2	1.10 H	351	20.30	31.50
7	4824.00	47.9 PK	74.0	-26.1	1.25 H	49	43.00	4.90
8	4824.00	36.0 AV	54.0	-18.0	1.25 H	49	31.10	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	63.2 PK	74.0	-10.8	1.00 V	351	32.20	31.00
2	2390.00	51.0 AV	54.0	-3.0	1.00 V	351	20.00	31.00
3	*2412.00	118.1 PK			1.14 V	351	87.00	31.10
4	*2412.00	107.0 AV			1.14 V	351	75.90	31.10
5	2492.00	66.7 PK	74.0	-7.3	1.12 V	352	35.20	31.50
6	**2492.00**	**53.0 AV**	**54.0**	**-1.0**	**1.12 V**	**352**	**21.50**	**31.50**
7	4824.00	48.0 PK	74.0	-26.0	1.34 V	350	43.10	4.90
8	4824.00	36.2 AV	54.0	-17.8	1.34 V	350	31.30	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	60.2 PK	74.0	-13.8	1.00 H	312	29.20	31.00
2	2390.00	49.1 AV	54.0	-4.9	1.00 H	312	18.10	31.00
3	*2437.00	113.9 PK			1.40 H	355	82.70	31.20
4	*2437.00	103.4 AV			1.40 H	355	72.20	31.20
5	2483.50	65.3 PK	74.0	-8.7	1.13 H	352	33.90	31.40
6	2483.50	51.4 AV	54.0	-2.6	1.13 H	352	20.00	31.40
7	4874.00	47.5 PK	74.0	-26.5	1.60 H	13	42.50	5.00
8	4874.00	36.0 AV	54.0	-18.0	1.60 H	13	31.00	5.00
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	65.0 PK	74.0	-9.0	1.16 V	350	34.00	31.00
2	2390.00	51.6 AV	54.0	-2.4	1.16 V	350	20.60	31.00
3	*2437.00	118.4 PK			1.13 V	350	87.20	31.20
4	*2437.00	108.6 AV			1.13 V	350	77.40	31.20
5	2483.50	68.1 PK	74.0	-5.9	1.12 V	352	36.70	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.12 V**	**352**	**21.60**	**31.40**
7	4874.00	46.8 PK	74.0	-27.2	1.28 V	300	41.80	5.00
8	4874.00	35.4 AV	54.0	-18.6	1.28 V	300	30.40	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.4 PK	74.0	-14.6	1.20 H	13	28.40	31.00
2	2390.00	49.2 AV	54.0	-4.8	1.20 H	13	18.20	31.00
3	*2462.00	114.4 PK			1.14 H	351	83.10	31.30
4	*2462.00	103.8 AV			1.14 H	351	72.50	31.30
5	2483.50	64.1 PK	74.0	-9.9	1.15 H	348	32.70	31.40
6	2483.50	50.6 AV	54.0	-3.4	1.15 H	348	19.20	31.40
7	4924.00	47.6 PK	74.0	-26.4	1.15 H	31	42.40	5.20
8	4924.00	35.5 AV	54.0	-18.5	1.15 H	31	30.30	5.20
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	63.3 PK	74.0	-10.7	1.17 V	9	32.30	31.00
2	2390.00	51.8 AV	54.0	-2.2	1.17 V	9	20.80	31.00
3	*2462.00	118.5 PK			1.14 V	350	87.20	31.30
4	*2462.00	108.8 AV			1.14 V	350	77.50	31.30
5	2483.50	67.9 PK	74.0	-6.1	1.10 V	348	36.50	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.10 V**	**348**	**21.60**	**31.40**
7	4924.00	47.8 PK	74.0	-26.2	1.45 V	330	42.60	5.20
8	4924.00	35.8 AV	54.0	-18.2	1.45 V	330	30.60	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	60.2 PK	74.0	-13.8	1.20 H	355	29.20	31.00
2	2390.00	49.6 AV	54.0	-4.4	1.20 H	355	18.60	31.00
3	*2412.00	110.0 PK			1.17 H	355	78.90	31.10
4	*2412.00	99.4 AV			1.17 H	355	68.30	31.10
5	2483.50	65.0 PK	74.0	-9.0	1.10 H	351	33.60	31.40
6	2483.50	51.4 AV	54.0	-2.6	1.10 H	351	20.00	31.40
7	4824.00	46.3 PK	74.0	-27.7	1.02 H	30	41.40	4.90
8	4824.00	33.3 AV	54.0	-20.7	1.02 H	30	28.40	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.5 PK	74.0	-8.5	1.17 V	349	34.50	31.00
2	2390.00	51.4 AV	54.0	-2.6	1.17 V	349	20.40	31.00
3	*2412.00	115.7 PK			1.14 V	353	84.60	31.10
4	*2412.00	106.1 AV			1.14 V	353	75.00	31.10
5	2494.00	66.9 PK	74.0	-7.1	1.12 V	348	35.40	31.50
6	**2494.00**	**53.0 AV**	**54.0**	**-1.0**	**1.12 V**	**348**	**21.50**	**31.50**
7	4824.00	46.6 PK	74.0	-27.4	1.21 V	321	41.70	4.90
8	4824.00	34.7 AV	54.0	-19.3	1.21 V	321	29.80	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.6 PK	74.0	-14.4	1.10 H	6	28.60	31.00
2	2390.00	49.2 AV	54.0	-4.8	1.10 H	6	18.20	31.00
3	*2437.00	113.9 PK			1.14 H	7	82.70	31.20
4	*2437.00	103.3 AV			1.14 H	7	72.10	31.20
5	2483.50	64.6 PK	74.0	-9.4	1.11 H	355	33.20	31.40
6	2483.50	51.3 AV	54.0	-2.7	1.11 H	355	19.90	31.40
7	4874.00	46.5 PK	74.0	-27.5	1.02 H	98	41.50	5.00
8	4874.00	33.4 AV	54.0	-20.6	1.02 H	98	28.40	5.00
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	63.7 PK	74.0	-10.3	1.18 V	350	32.70	31.00
2	2390.00	51.2 AV	54.0	-2.8	1.18 V	350	20.20	31.00
3	*2437.00	117.9 PK			1.14 V	351	86.70	31.20
4	*2437.00	108.3 AV			1.14 V	351	77.10	31.20
5	2483.50	66.5 PK	74.0	-7.5	1.10 V	352	35.10	31.40
6	2483.50	52.9 AV	54.0	-1.1	1.10 V	352	21.50	31.40
7	4874.00	46.3 PK	74.0	-27.7	1.29 V	11	41.30	5.00
8	4874.00	34.8 AV	54.0	-19.2	1.29 V	11	29.80	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	60.5 PK	74.0	-13.5	1.19 H	352	29.50	31.00
2	2390.00	49.2 AV	54.0	-4.8	1.19 H	352	18.20	31.00
3	*2462.00	112.8 PK			1.38 H	150	81.50	31.30
4	*2462.00	102.8 AV			1.38 H	150	71.50	31.30
5	2483.50	65.8 PK	74.0	-8.2	1.12 H	10	34.40	31.40
6	2483.50	52.0 AV	54.0	-2.0	1.12 H	10	20.60	31.40
7	4924.00	46.4 PK	74.0	-27.6	1.15 H	61	41.20	5.20
8	4924.00	35.0 AV	54.0	-19.0	1.15 H	61	29.80	5.20
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	63.0 PK	74.0	-11.0	1.17 V	349	32.00	31.00
2	2390.00	51.9 AV	54.0	-2.1	1.17 V	349	20.90	31.00
3	*2462.00	117.6 PK			1.13 V	356	86.30	31.30
4	*2462.00	107.6 AV			1.13 V	356	76.30	31.30
5	2483.50	67.5 PK	74.0	-6.5	1.09 V	349	36.10	31.40
6	2483.50	52.5 AV	54.0	-1.5	1.09 V	349	21.10	31.40
7	4924.00	46.5 PK	74.0	-27.5	1.34 V	339	41.30	5.20
8	4924.00	35.7 AV	54.0	-18.3	1.34 V	339	30.50	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	64.3 PK	74.0	-9.7	1.17 H	12	33.30	31.00
2	2390.00	48.5 AV	54.0	-5.5	1.17 H	12	17.50	31.00
3	*2422.00	106.1 PK			1.39 H	357	74.90	31.20
4	*2422.00	94.8 AV			1.39 H	357	63.60	31.20
5	2483.50	60.4 PK	74.0	-13.6	1.11 H	358	29.00	31.40
6	2483.50	49.4 AV	54.0	-4.6	1.11 H	358	18.00	31.40
7	4844.00	45.7 PK	74.0	-28.3	1.22 H	101	40.70	5.00
8	4844.00	32.8 AV	54.0	-21.2	1.22 H	101	27.80	5.00
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	69.5 PK	74.0	-4.5	1.18 V	349	38.50	31.00
2	**2390.00**	**53.0 AV**	**54.0**	**-1.0**	**1.18 V**	**349**	**22.00**	**31.00**
3	*2422.00	109.4 PK			1.12 V	354	78.20	31.20
4	*2422.00	100.0 AV			1.12 V	354	68.80	31.20
5	4844.00	45.7 PK	74.0	-28.3	1.36 V	44	40.70	5.00
6	4844.00	33.2 AV	54.0	-20.8	1.36 V	44	28.20	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	58.2 PK	74.0	-15.8	1.09 H	8	27.20	31.00
2	2390.00	47.8 AV	54.0	-6.2	1.09 H	8	16.80	31.00
3	*2437.00	110.4 PK			1.35 H	350	79.20	31.20
4	*2437.00	98.7 AV			1.35 H	350	67.50	31.20
5	2483.50	64.7 PK	74.0	-9.3	1.14 H	351	33.30	31.40
6	2483.50	52.1 AV	54.0	-1.9	1.14 H	351	20.70	31.40
7	4874.00	46.3 PK	74.0	-27.7	1.28 H	311	41.30	5.00
8	4874.00	33.0 AV	54.0	-21.0	1.28 H	311	28.00	5.00
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	61.8 PK	74.0	-12.2	1.00 V	12	30.80	31.00
2	2390.00	50.2 AV	54.0	-3.8	1.00 V	12	19.20	31.00
3	*2437.00	113.7 PK			1.15 V	355	82.50	31.20
4	*2437.00	103.7 AV			1.15 V	355	72.50	31.20
5	2483.50	66.1 PK	74.0	-7.9	1.11 V	352	34.70	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.11 V**	**352**	**21.60**	**31.40**
7	4874.00	46.4 PK	74.0	-27.6	1.17 V	65	41.40	5.00
8	4874.00	33.5 AV	54.0	-20.5	1.17 V	65	28.50	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Chris Lin

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	58.1 PK	74.0	-15.9	1.00 H	9	27.10	31.00
2	2390.00	47.3 AV	54.0	-6.7	1.00 H	9	16.30	31.00
3	*2452.00	104.6 PK			1.13 H	350	73.30	31.30
4	*2452.00	93.4 AV			1.13 H	350	62.10	31.30
5	2483.50	69.5 PK	74.0	-4.5	1.15 H	359	38.10	31.40
6	2483.50	51.8 AV	54.0	-2.2	1.15 H	359	20.40	31.40
7	4904.00	45.6 PK	74.0	-28.4	1.14 H	35	40.50	5.10
8	4904.00	32.5 AV	54.0	-21.5	1.14 H	35	27.40	5.10
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	58.5 PK	74.0	-15.5	1.00 V	345	27.50	31.00
2	2390.00	48.0 AV	54.0	-6.0	1.00 V	345	17.00	31.00
3	*2452.00	107.9 PK			1.15 V	354	76.60	31.30
4	*2452.00	98.3 AV			1.15 V	354	67.00	31.30
5	2483.50	72.7 PK	74.0	-1.3	1.11 V	350	41.30	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.11 V**	**350**	**21.60**	**31.40**
7	4904.00	45.8 PK	74.0	-28.2	1.30 V	154	40.70	5.10
8	4904.00	32.7 AV	54.0	-21.3	1.30 V	154	27.60	5.10

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

TEST MODE C

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	2360.00	54.7 PK	74.0	-19.3	1.20 H	210	23.80	30.90
2	2360.00	44.4 AV	54.0	-9.6	1.20 H	210	13.50	30.90
3	*2412.00	99.3 PK			1.09 H	10	68.20	31.10
4	*2412.00	95.7 AV			1.09 H	10	64.60	31.10
5	2495.00	56.4 PK	74.0	-17.6	1.15 H	270	24.90	31.50
6	2495.00	46.0 AV	54.0	-8.0	1.15 H	270	14.50	31.50
7	4824.00	47.4 PK	74.0	-26.6	1.11 H	88	42.50	4.90
8	4824.00	35.2 AV	54.0	-18.8	1.11 H	88	30.30	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2360.00	59.8 PK	74.0	-14.2	1.12 V	9	28.90	30.90
2	2360.00	49.8 AV	54.0	-4.2	1.12 V	9	18.90	30.90
3	*2412.00	116.3 PK			1.13 V	345	85.20	31.10
4	*2412.00	112.8 AV			1.13 V	345	81.70	31.10
5	2495.00	65.3 PK	74.0	-8.7	1.11 V	334	33.80	31.50
6	2495.00	52.9 AV	54.0	-1.1	1.11 V	334	21.40	31.50
7	4824.00	48.7 PK	74.0	-25.3	1.09 V	138	43.80	4.90
8	4824.00	36.4 AV	54.0	-17.6	1.09 V	138	31.50	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	2350.00	56.0 PK	74.0	-18.0	1.20 H	322	25.10	30.90
2	2350.00	45.5 AV	54.0	-8.5	1.20 H	322	14.60	30.90
3	*2437.00	106.8 PK			1.86 H	319	75.60	31.20
4	*2437.00	103.4 AV			1.86 H	319	72.20	31.20
5	2483.50	55.2 PK	74.0	-18.8	1.12 H	343	23.80	31.40
6	2483.50	44.8 AV	54.0	-9.2	1.12 H	343	13.40	31.40
7	4874.00	49.4 PK	74.0	-24.6	1.20 H	326	44.40	5.00
8	4874.00	41.6 AV	54.0	-12.4	1.20 H	326	36.60	5.00
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	2350.00	62.6 PK	74.0	-11.4	1.13 V	348	31.70	30.90
2	2350.00	51.8 AV	54.0	-2.2	1.13 V	348	20.90	30.90
3	*2437.00	123.3 PK			1.10 V	359	92.10	31.20
4	*2437.00	120.5 AV			1.10 V	359	89.30	31.20
5	2483.50	61.6 PK	74.0	-12.4	1.11 V	340	30.20	31.40
6	2483.50	52.1 AV	54.0	-1.9	1.11 V	340	20.70	31.40
7	4874.00	50.6 PK	74.0	-23.4	1.00 V	356	45.60	5.00
8	4874.00	45.2 AV	54.0	-8.8	1.00 V	356	40.20	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	2377.00	55.6 PK	74.0	-18.4	1.20 H	333	24.60	31.00
2	2377.00	45.4 AV	54.0	-8.6	1.20 H	333	14.40	31.00
3	*2462.00	102.5 PK			1.49 H	313	71.20	31.30
4	*2462.00	98.8 AV			1.49 H	313	67.50	31.30
5	2483.50	57.4 PK	74.0	-16.6	1.40 H	39	26.00	31.40
6	2483.50	46.8 AV	54.0	-7.2	1.40 H	39	15.40	31.40
7	4924.00	48.1 PK	74.0	-25.9	1.16 H	68	42.90	5.20
8	4924.00	35.7 AV	54.0	-18.3	1.16 H	68	30.50	5.20
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	2377.00	63.3 PK	74.0	-10.7	1.16 V	343	32.30	31.00
2	2377.00	52.2 AV	54.0	-1.8	1.16 V	343	21.20	31.00
3	*2462.00	120.4 PK			1.11 V	348	89.10	31.30
4	*2462.00	116.9 AV			1.11 V	348	85.60	31.30
5	2483.50	63.4 PK	74.0	-10.6	1.09 V	351	32.00	31.40
6	2483.50	52.8 AV	54.0	-1.2	1.09 V	351	21.40	31.40
7	4924.00	49.2 PK	74.0	-24.8	1.09 V	81	44.00	5.20
8	4924.00	37.5 AV	54.0	-16.5	1.09 V	81	32.30	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	54.7 PK	74.0	-19.3	1.08 H	65	23.70	31.00
2	2390.00	44.5 AV	54.0	-9.5	1.08 H	65	13.50	31.00
3	*2412.00	102.7 PK			1.00 H	37	71.60	31.10
4	*2412.00	92.5 AV			1.00 H	37	61.40	31.10
5	2493.00	56.4 PK	74.0	-17.6	1.03 H	329	24.90	31.50
6	2493.00	46.3 AV	54.0	-7.7	1.03 H	329	14.80	31.50
7	4824.00	47.0 PK	74.0	-27.0	1.40 H	268	42.10	4.90
8	4824.00	34.5 AV	54.0	-19.5	1.40 H	268	29.60	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.9 PK	74.0	-2.1	1.13 V	8	40.90	31.00
2	2390.00	52.8 AV	54.0	-1.2	1.13 V	8	21.80	31.00
3	*2412.00	117.4 PK			1.13 V	336	86.30	31.10
4	*2412.00	108.0 AV			1.13 V	336	76.90	31.10
5	2493.00	65.1 PK	74.0	-8.9	1.10 V	337	33.60	31.50
6	2493.00	52.1 AV	54.0	-1.9	1.10 V	337	20.60	31.50
7	4824.00	48.4 PK	74.0	-25.6	1.19 V	359	43.50	4.90
8	4824.00	36.3 AV	54.0	-17.7	1.19 V	359	31.40	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	57.1 PK	74.0	-16.9	1.42 H	293	26.10	31.00
2	2390.00	46.8 AV	54.0	-7.2	1.42 H	293	15.80	31.00
3	*2437.00	108.5 PK			1.53 H	308	77.30	31.20
4	*2437.00	99.1 AV			1.53 H	308	67.90	31.20
5	2483.50	58.4 PK	74.0	-15.6	1.13 H	313	27.00	31.40
6	2483.50	48.1 AV	54.0	-5.9	1.13 H	313	16.70	31.40
7	4874.00	47.9 PK	74.0	-26.1	1.48 H	189	42.90	5.00
8	4874.00	35.3 AV	54.0	-18.7	1.48 H	189	30.30	5.00
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	65.2 PK	74.0	-8.8	1.15 V	335	34.20	31.00
2	2390.00	51.5 AV	54.0	-2.5	1.15 V	335	20.50	31.00
3	*2437.00	123.8 PK			1.12 V	347	92.60	31.20
4	*2437.00	114.2 AV			1.12 V	347	83.00	31.20
5	2483.50	67.6 PK	74.0	-6.4	1.06 V	341	36.20	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.06 V**	**341**	**21.60**	**31.40**
7	4874.00	49.1 PK	74.0	-24.9	1.20 V	31	44.10	5.00
8	4874.00	36.5 AV	54.0	-17.5	1.20 V	31	31.50	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	102.7 PK			1.07 H	198	71.40	31.30
2	*2462.00	93.2 AV			1.07 H	198	61.90	31.30
3	2483.50	57.7 PK	74.0	-16.3	1.11 H	302	26.30	31.40
4	2483.50	47.1 AV	54.0	-6.9	1.11 H	302	15.70	31.40
5	4924.00	46.9 PK	74.0	-27.1	1.32 H	151	41.70	5.20
6	4924.00	35.8 AV	54.0	-18.2	1.32 H	151	30.60	5.20
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	*2462.00	117.5 PK			1.09 V	341	86.20	31.30
2	*2462.00	108.2 AV			1.09 V	341	76.90	31.30
3	2483.50	68.6 PK	74.0	-5.4	1.10 V	1	37.20	31.40
4	2483.50	52.6 AV	54.0	-1.4	1.10 V	1	21.20	31.40
5	4924.00	47.5 PK	74.0	-26.5	1.21 V	351	42.30	5.20
6	4924.00	36.2 AV	54.0	-17.8	1.21 V	351	31.00	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	55.7 PK	74.0	-18.3	1.15 H	320	24.70	31.00
2	2390.00	45.5 AV	54.0	-8.5	1.15 H	320	14.50	31.00
3	*2412.00	100.4 PK			1.55 H	307	69.30	31.10
4	*2412.00	90.8 AV			1.55 H	307	59.70	31.10
5	4824.00	46.1 PK	74.0	-27.9	1.22 H	79	41.20	4.90
6	4824.00	33.8 AV	54.0	-20.2	1.22 H	79	28.90	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.7 PK	74.0	-4.3	1.13 V	1	38.70	31.00
2	2390.00	52.3 AV	54.0	-1.7	1.13 V	1	21.30	31.00
3	*2412.00	116.2 PK			1.14 V	342	85.10	31.10
4	*2412.00	106.7 AV			1.14 V	342	75.60	31.10
5	4824.00	47.2 PK	74.0	-26.8	1.19 V	233	42.30	4.90
6	4824.00	34.4 AV	54.0	-19.6	1.19 V	233	29.50	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	100.5 PK			1.06 H	196	69.20	31.30
2	*2462.00	91.3 AV			1.06 H	196	60.00	31.30
3	2483.50	59.6 PK	74.0	-14.4	1.18 H	269	28.20	31.40
4	2483.50	49.1 AV	54.0	-4.9	1.18 H	269	17.70	31.40
5	4924.00	46.9 PK	74.0	-27.1	1.47 H	279	41.70	5.20
6	4924.00	34.2 AV	54.0	-19.8	1.47 H	279	29.00	5.20
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	*2462.00	115.8 PK			1.08 V	355	84.50	31.30
2	*2462.00	106.0 AV			1.08 V	355	74.70	31.30
3	2483.50	68.8 PK	74.0	-5.2	1.09 V	3	37.40	31.40
4	2483.50	52.7 AV	54.0	-1.3	1.09 V	3	21.30	31.40
5	4924.00	47.5 PK	74.0	-26.5	1.17 V	359	42.30	5.20
6	4924.00	34.8 AV	54.0	-19.2	1.17 V	359	29.60	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	56.3 PK	74.0	-17.7	1.15 H	344	25.30	31.00
2	2390.00	46.0 AV	54.0	-8.0	1.15 H	344	15.00	31.00
3	*2437.00	105.9 PK			1.04 H	197	74.70	31.20
4	*2437.00	96.5 AV			1.04 H	197	65.30	31.20
5	2483.50	60.4 PK	74.0	-13.6	1.09 H	300	29.00	31.40
6	2483.50	49.5 AV	54.0	-4.5	1.09 H	300	18.10	31.40
7	4874.00	46.6 PK	74.0	-27.4	1.18 H	247	41.60	5.00
8	4874.00	34.3 AV	54.0	-19.7	1.18 H	247	29.30	5.00
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	63.1 PK	74.0	-10.9	1.16 V	341	32.10	31.00
2	2390.00	51.5 AV	54.0	-2.5	1.16 V	341	20.50	31.00
3	*2437.00	122.8 PK			1.10 V	344	91.60	31.20
4	*2437.00	112.9 AV			1.10 V	344	81.70	31.20
5	2483.50	63.0 PK	74.0	-11.0	1.09 V	344	31.60	31.40
6	2483.50	52.4 AV	54.0	-1.6	1.09 V	344	21.00	31.40
7	4874.00	47.5 PK	74.0	-26.5	1.06 V	91	42.50	5.00
8	4874.00	35.6 AV	54.0	-18.4	1.06 V	91	30.60	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	58.2 PK	74.0	-15.8	1.06 H	234	27.20	31.00
2	2390.00	47.8 AV	54.0	-6.2	1.06 H	234	16.80	31.00
3	*2422.00	94.2 PK			1.00 H	261	63.00	31.20
4	*2422.00	84.0 AV			1.00 H	261	52.80	31.20
5	4844.00	46.1 PK	74.0	-27.9	1.10 H	198	41.10	5.00
6	4844.00	33.5 AV	54.0	-20.5	1.10 H	198	28.50	5.00
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	69.3 PK	74.0	-4.7	1.14 V	333	38.30	31.00
2	2390.00	52.5 AV	54.0	-1.5	1.14 V	333	21.50	31.00
3	*2422.00	110.4 PK			1.12 V	351	79.20	31.20
4	*2422.00	101.1 AV			1.12 V	351	69.90	31.20
5	4844.00	46.4 PK	74.0	-27.6	1.00 V	23	41.40	5.00
6	4844.00	33.9 AV	54.0	-20.1	1.00 V	23	28.90	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

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	55.6 PK	74.0	-18.4	1.00 H	109	24.60	31.00
2	2390.00	45.9 AV	54.0	-8.1	1.00 H	109	14.90	31.00
3	*2437.00	101.0 PK			1.06 H	199	69.80	31.20
4	*2437.00	90.4 AV			1.06 H	199	59.20	31.20
5	2483.50	57.6 PK	74.0	-16.4	1.10 H	298	26.20	31.40
6	2483.50	46.8 AV	54.0	-7.2	1.10 H	298	15.40	31.40
7	4874.00	46.2 PK	74.0	-27.8	1.14 H	246	41.20	5.00
8	4874.00	34.7 AV	54.0	-19.3	1.14 H	246	29.70	5.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.3 PK	74.0	-5.7	1.09 V	337	37.30	31.00
2	2390.00	52.9 AV	54.0	-1.1	1.09 V	337	21.90	31.00
3	*2437.00	115.9 PK			1.11 V	346	84.70	31.20
4	*2437.00	106.0 AV			1.11 V	346	74.80	31.20
5	2483.50	66.4 PK	74.0	-7.6	1.09 V	333	35.00	31.40
6	2483.50	52.6 AV	54.0	-1.4	1.09 V	333	21.20	31.40
7	4874.00	46.7 PK	74.0	-27.3	1.25 V	284	41.70	5.00
8	4874.00	35.1 AV	54.0	-18.9	1.25 V	284	30.10	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Jones Chang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	94.5 PK			1.06 H	197	63.20	31.30
2	*2452.00	85.2 AV			1.06 H	197	53.90	31.30
3	2483.50	57.7 PK	74.0	-16.3	1.10 H	223	26.30	31.40
4	2483.50	46.9 AV	54.0	-7.1	1.10 H	223	15.50	31.40
5	4904.00	46.3 PK	74.0	-27.7	1.28 H	192	41.20	5.10
6	4904.00	33.1 AV	54.0	-20.9	1.28 H	192	28.00	5.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	110.0 PK			1.11 V	343	78.70	31.30
2	*2452.00	100.4 AV			1.11 V	343	69.10	31.30
3	2483.50	72.8 PK	74.0	-1.2	1.11 V	339	41.40	31.40
4	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.11 V**	**339**	**21.60**	**31.40**
5	4904.00	46.6 PK	74.0	-27.4	1.06 V	43	41.50	5.10
6	4904.00	33.4 AV	54.0	-20.6	1.06 V	43	28.30	5.10

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

TEST MODE D

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	2328.00	54.8 PK	74.0	-19.2	1.40 H	257	24.00	30.80
2	2328.00	44.8 AV	54.0	-9.2	1.40 H	257	14.00	30.80
3	2390.00	55.8 PK	74.0	-18.2	1.44 H	259	24.80	31.00
4	2390.00	45.9 AV	54.0	-8.1	1.44 H	259	14.90	31.00
5	*2412.00	110.4 PK			1.40 H	261	79.30	31.10
6	*2412.00	106.8 AV			1.40 H	261	75.70	31.10
7	2494.00	57.6 PK	74.0	-16.4	1.30 H	48	26.10	31.50
8	2494.00	48.5 AV	54.0	-5.5	1.30 H	48	17.00	31.50
9	4824.00	48.1 PK	74.0	-25.9	1.24 H	248	43.20	4.90
10	4824.00	38.8 AV	54.0	-15.2	1.24 H	248	33.90	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2328.00	59.1 PK	74.0	-14.9	1.08 V	57	28.30	30.80
2	2328.00	51.0 AV	54.0	-3.0	1.08 V	57	20.20	30.80
3	2386.00	65.4 PK	74.0	-8.6	1.05 V	57	34.40	31.00
4	**2386.00**	**53.0 AV**	**54.0**	**-1.0**	**1.05 V**	**57**	**22.00**	**31.00**
5	*2412.00	117.6 PK			1.04 V	257	86.50	31.10
6	*2412.00	114.1 AV			1.04 V	257	83.00	31.10
7	2494.00	64.5 PK	74.0	-9.5	1.01 V	264	33.00	31.50
8	2494.00	52.5 AV	54.0	-1.5	1.01 V	264	21.00	31.50
9	4824.00	53.5 PK	74.0	-20.5	1.76 V	94	48.60	4.90
10	4824.00	49.6 AV	54.0	-4.4	1.76 V	94	44.70	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	2360.00	55.6 PK	74.0	-18.4	1.49 H	257	24.70	30.90
2	2360.00	46.2 AV	54.0	-7.8	1.49 H	257	15.30	30.90
3	*2437.00	113.2 PK			1.41 H	221	82.00	31.20
4	*2437.00	109.5 AV			1.41 H	221	78.30	31.20
5	2483.50	57.0 PK	74.0	-17.0	1.41 H	232	25.60	31.40
6	2483.50	46.1 AV	54.0	-7.9	1.41 H	232	14.70	31.40
7	4874.00	48.9 PK	74.0	-25.1	1.27 H	271	43.90	5.00
8	4874.00	36.8 AV	54.0	-17.2	1.27 H	271	31.80	5.00
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	2360.00	63.2 PK	74.0	-10.8	1.09 V	281	32.30	30.90
2	2360.00	52.9 AV	54.0	-1.1	1.09 V	281	22.00	30.90
3	*2437.00	122.5 PK			1.04 V	288	91.30	31.20
4	*2437.00	119.3 AV			1.04 V	288	88.10	31.20
5	2483.50	67.4 PK	74.0	-6.6	1.02 V	260	36.00	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.02 V**	**260**	**21.60**	**31.40**
7	4874.00	55.9 PK	74.0	-18.1	1.66 V	97	50.90	5.00
8	4874.00	52.3 AV	54.0	-1.7	1.66 V	97	47.30	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	2380.00	56.4 PK	74.0	-17.6	1.35 H	245	25.40	31.00
2	2380.00	45.6 AV	54.0	-8.4	1.35 H	245	14.60	31.00
3	*2462.00	108.9 PK			1.32 H	244	77.60	31.30
4	*2462.00	105.5 AV			1.32 H	244	74.20	31.30
5	2483.50	57.9 PK	74.0	-16.1	1.30 H	32	26.50	31.40
6	2483.50	46.5 AV	54.0	-7.5	1.30 H	32	15.10	31.40
7	4924.00	48.6 PK	74.0	-25.4	1.42 H	246	43.40	5.20
8	4924.00	38.1 AV	54.0	-15.9	1.42 H	246	32.90	5.20
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	2380.00	62.2 PK	74.0	-11.8	1.08 V	273	31.20	31.00
2	2380.00	51.5 AV	54.0	-2.5	1.08 V	273	20.50	31.00
3	*2462.00	117.5 PK			1.03 V	261	86.20	31.30
4	*2462.00	113.8 AV			1.03 V	261	82.50	31.30
5	2483.50	65.2 PK	74.0	-8.8	1.03 V	260	33.80	31.40
6	2483.50	52.7 AV	54.0	-1.3	1.03 V	260	21.30	31.40
7	4924.00	53.4 PK	74.0	-20.6	1.79 V	101	48.20	5.20
8	4924.00	49.1 AV	54.0	-4.9	1.79 V	101	43.90	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	56.8 PK	74.0	-17.2	1.28 H	287	25.80	31.00
2	2390.00	45.4 AV	54.0	-8.6	1.28 H	287	14.40	31.00
3	*2412.00	105.2 PK			1.30 H	306	74.10	31.10
4	*2412.00	95.7 AV			1.30 H	306	64.60	31.10
5	2495.00	55.2 PK	74.0	-18.8	1.26 H	237	23.70	31.50
6	2495.00	45.0 AV	54.0	-9.0	1.26 H	237	13.50	31.50
7	4824.00	47.5 PK	74.0	-26.5	1.47 H	55	42.60	4.90
8	4824.00	33.9 AV	54.0	-20.1	1.47 H	55	29.00	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.9 PK	74.0	-4.1	1.03 V	260	38.90	31.00
2	2390.00	52.6 AV	54.0	-1.4	1.03 V	260	21.60	31.00
3	*2412.00	117.2 PK			1.07 V	259	86.10	31.10
4	*2412.00	106.8 AV			1.07 V	259	75.70	31.10
5	2495.00	67.3 PK	74.0	-6.7	1.00 V	257	35.80	31.50
6	2495.00	52.2 AV	54.0	-1.8	1.00 V	257	20.70	31.50
7	4824.00	48.1 PK	74.0	-25.9	1.66 V	111	43.20	4.90
8	4824.00	34.8 AV	54.0	-19.2	1.66 V	111	29.90	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	56.4 PK	74.0	-17.6	1.42 H	212	25.40	31.00
2	2390.00	46.2 AV	54.0	-7.8	1.42 H	212	15.20	31.00
3	*2437.00	114.3 PK			1.42 H	217	83.10	31.20
4	*2437.00	105.0 AV			1.42 H	217	73.80	31.20
5	2483.50	58.4 PK	74.0	-15.6	1.40 H	222	27.00	31.40
6	2483.50	48.1 AV	54.0	-5.9	1.40 H	222	16.70	31.40
7	4874.00	48.1 PK	74.0	-25.9	1.36 H	211	43.10	5.00
8	4874.00	34.7 AV	54.0	-19.3	1.36 H	211	29.70	5.00
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	65.8 PK	74.0	-8.2	1.08 V	258	34.80	31.00
2	2390.00	51.5 AV	54.0	-2.5	1.08 V	258	20.50	31.00
3	*2437.00	123.0 PK			1.03 V	256	91.80	31.20
4	*2437.00	113.3 AV			1.03 V	256	82.10	31.20
5	2483.50	65.2 PK	74.0	-8.8	1.00 V	259	33.80	31.40
6	2483.50	52.8 AV	54.0	-1.2	1.00 V	259	21.40	31.40
7	4874.00	51.8 PK	74.0	-22.2	1.77 V	99	46.80	5.00
8	4874.00	38.0 AV	54.0	-16.0	1.77 V	99	33.00	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	107.3 PK			1.39 H	259	76.00	31.30
2	*2462.00	97.2 AV			1.39 H	259	65.90	31.30
3	2483.50	57.3 PK	74.0	-16.7	1.32 H	266	25.90	31.40
4	2483.50	46.9 AV	54.0	-7.1	1.32 H	266	15.50	31.40
5	4924.00	47.8 PK	74.0	-26.2	1.28 H	256	42.60	5.20
6	4924.00	34.9 AV	54.0	-19.1	1.28 H	256	29.70	5.20
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	*2462.00	115.6 PK			1.02 V	260	84.30	31.30
2	*2462.00	106.2 AV			1.02 V	260	74.90	31.30
3	2483.50	67.1 PK	74.0	-6.9	1.00 V	280	35.70	31.40
4	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.00 V**	**280**	**21.60**	**31.40**
5	4924.00	49.4 PK	74.0	-24.6	1.62 V	131	44.20	5.20
6	4924.00	35.7 AV	54.0	-18.3	1.62 V	131	30.50	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	56.4 PK	74.0	-17.6	1.33 H	33	25.40	31.00
2	2390.00	46.1 AV	54.0	-7.9	1.33 H	33	15.10	31.00
3	*2412.00	104.7 PK			1.33 H	35	73.60	31.10
4	*2412.00	95.6 AV			1.33 H	35	64.50	31.10
5	4824.00	46.9 PK	74.0	-27.1	1.27 H	94	42.00	4.90
6	4824.00	33.5 AV	54.0	-20.5	1.27 H	94	28.60	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.0 PK	74.0	-4.0	1.06 V	260	39.00	31.00
2	2390.00	52.3 AV	54.0	-1.7	1.06 V	260	21.30	31.00
3	*2412.00	114.6 PK			1.06 V	256	83.50	31.10
4	*2412.00	105.2 AV			1.06 V	256	74.10	31.10
5	4824.00	48.7 PK	74.0	-25.3	1.70 V	45	43.80	4.90
6	4824.00	34.7 AV	54.0	-19.3	1.70 V	45	29.80	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	55.4 PK	74.0	-18.6	1.40 H	200	24.40	31.00
2	2390.00	45.2 AV	54.0	-8.8	1.40 H	200	14.20	31.00
3	*2437.00	111.6 PK			1.42 H	217	80.40	31.20
4	*2437.00	102.4 AV			1.42 H	217	71.20	31.20
5	2483.50	55.9 PK	74.0	-18.1	1.42 H	220	24.50	31.40
6	2483.50	45.7 AV	54.0	-8.3	1.42 H	220	14.30	31.40
7	4874.00	47.5 PK	74.0	-26.5	1.20 H	78	42.50	5.00
8	4874.00	34.1 AV	54.0	-19.9	1.20 H	78	29.10	5.00
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	61.7 PK	74.0	-12.3	1.05 V	238	30.70	31.00
2	2390.00	50.3 AV	54.0	-3.7	1.05 V	238	19.30	31.00
3	*2437.00	121.4 PK			1.03 V	260	90.20	31.20
4	*2437.00	111.7 AV			1.03 V	260	80.50	31.20
5	2483.50	65.6 PK	74.0	-8.4	1.03 V	259	34.20	31.40
6	2483.50	52.4 AV	54.0	-1.6	1.03 V	259	21.00	31.40
7	4874.00	48.2 PK	74.0	-25.8	1.54 V	190	43.20	5.00
8	4874.00	35.7 AV	54.0	-18.3	1.54 V	190	30.70	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	105.9 PK			1.29 H	36	74.60	31.30
2	*2462.00	96.7 AV			1.29 H	36	65.40	31.30
3	2483.50	57.5 PK	74.0	-16.5	1.31 H	44	26.10	31.40
4	2483.50	47.8 AV	54.0	-6.2	1.31 H	44	16.40	31.40
5	4924.00	47.2 PK	74.0	-26.8	1.20 H	245	42.00	5.20
6	4924.00	34.1 AV	54.0	-19.9	1.20 H	245	28.90	5.20
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	*2462.00	114.7 PK			1.02 V	290	83.40	31.30
2	*2462.00	105.1 AV			1.02 V	290	73.80	31.30
3	2483.50	68.8 PK	74.0	-5.2	1.01 V	284	37.40	31.40
4	2483.50	52.6 AV	54.0	-1.4	1.01 V	284	21.20	31.40
5	4924.00	48.9 PK	74.0	-25.1	1.52 V	90	43.70	5.20
6	4924.00	36.5 AV	54.0	-17.5	1.52 V	90	31.30	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	60.2 PK	74.0	-13.8	1.41 H	252	29.20	31.00
2	2390.00	50.0 AV	54.0	-4.0	1.41 H	252	19.00	31.00
3	*2422.00	99.5 PK			1.39 H	218	68.30	31.20
4	*2422.00	90.3 AV			1.39 H	218	59.10	31.20
5	4844.00	46.5 PK	74.0	-27.5	1.17 H	29	41.50	5.00
6	4844.00	33.9 AV	54.0	-20.1	1.17 H	29	28.90	5.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.3 PK	74.0	-3.7	1.04 V	236	39.30	31.00
2	2390.00	52.5 AV	54.0	-1.5	1.04 V	236	21.50	31.00
3	*2422.00	111.2 PK			1.05 V	257	80.00	31.20
4	*2422.00	100.9 AV			1.05 V	257	69.70	31.20
5	4844.00	47.2 PK	74.0	-26.8	1.55 V	111	42.20	5.00
6	4844.00	34.3 AV	54.0	-19.7	1.55 V	111	29.30	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	60.3 PK	74.0	-13.7	1.29 H	212	29.30	31.00
2	2390.00	46.6 AV	54.0	-7.4	1.29 H	212	15.60	31.00
3	*2437.00	103.5 PK			1.40 H	221	72.30	31.20
4	*2437.00	94.4 AV			1.40 H	221	63.20	31.20
5	2483.50	57.7 PK	74.0	-16.3	1.40 H	224	26.30	31.40
6	2483.50	47.9 AV	54.0	-6.1	1.40 H	224	16.50	31.40
7	4874.00	48.0 PK	74.0	-26.0	1.23 H	43	43.00	5.00
8	4874.00	34.0 AV	54.0	-20.0	1.23 H	43	29.00	5.00
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	65.2 PK	74.0	-8.8	1.05 V	322	34.20	31.00
2	2390.00	50.5 AV	54.0	-3.5	1.05 V	322	19.50	31.00
3	*2437.00	114.8 PK			1.06 V	260	83.60	31.20
4	*2437.00	105.0 AV			1.06 V	260	73.80	31.20
5	2483.50	64.7 PK	74.0	-9.3	1.02 V	259	33.30	31.40
6	2483.50	52.9 AV	54.0	-1.1	1.02 V	259	21.50	31.40
7	4874.00	48.6 PK	74.0	-25.4	1.53 V	153	43.60	5.00
8	4874.00	34.2 AV	54.0	-19.8	1.53 V	153	29.20	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	99.6 PK			1.37 H	255	68.30	31.30
2	*2452.00	90.0 AV			1.37 H	255	58.70	31.30
3	2483.50	62.9 PK	74.0	-11.1	1.35 H	250	31.50	31.40
4	2483.50	48.8 AV	54.0	-5.2	1.35 H	250	17.40	31.40
5	4904.00	46.3 PK	74.0	-27.7	1.19 H	21	41.20	5.10
6	4904.00	33.7 AV	54.0	-20.3	1.19 H	21	28.60	5.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	110.2 PK			1.05 V	261	78.90	31.30
2	*2452.00	100.8 AV			1.05 V	261	69.50	31.30
3	2483.50	70.2 PK	74.0	-3.8	1.00 V	294	38.80	31.40
4	2483.50	52.6 AV	54.0	-1.4	1.00 V	294	21.20	31.40
5	4904.00	46.6 PK	74.0	-27.4	1.49 V	121	41.50	5.10
6	4904.00	33.9 AV	54.0	-20.1	1.49 V	121	28.80	5.10

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

TEST MODE E

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	55.4 PK	74.0	-18.6	1.00 H	191	24.40	31.00
2	2390.00	45.2 AV	54.0	-8.8	1.00 H	191	14.20	31.00
3	*2412.00	106.4 PK			1.00 H	54	75.30	31.10
4	*2412.00	103.0 AV			1.00 H	54	71.90	31.10
5	4824.00	48.2 PK	74.0	-25.8	1.69 H	325	43.30	4.90
6	4824.00	38.2 AV	54.0	-15.8	1.69 H	325	33.30	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.4 PK	74.0	-13.6	1.04 V	52	29.40	31.00
2	2390.00	52.5 AV	54.0	-1.5	1.04 V	52	21.50	31.00
3	*2412.00	116.9 PK			1.03 V	57	85.80	31.10
4	*2412.00	113.1 AV			1.03 V	57	82.00	31.10
5	4824.00	50.6 PK	74.0	-23.4	1.00 V	340	45.70	4.90
6	4824.00	44.9 AV	54.0	-9.1	1.00 V	340	40.00	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	2350.00	55.9 PK	74.0	-18.1	1.09 H	19	25.00	30.90
2	2350.00	45.3 AV	54.0	-8.7	1.09 H	19	14.40	30.90
3	*2437.00	109.8 PK			1.24 H	50	78.60	31.20
4	*2437.00	106.4 AV			1.24 H	50	75.20	31.20
5	2483.50	55.7 PK	74.0	-18.3	1.16 H	47	24.30	31.40
6	2483.50	45.0 AV	54.0	-9.0	1.16 H	47	13.60	31.40
7	4874.00	49.0 PK	74.0	-25.0	1.28 H	43	44.00	5.00
8	4874.00	39.9 AV	54.0	-14.1	1.28 H	43	34.90	5.00
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	2350.00	61.0 PK	74.0	-13.0	1.05 V	101	30.10	30.90
2	2350.00	51.9 AV	54.0	-2.1	1.05 V	101	21.00	30.90
3	*2437.00	121.1 PK			1.02 V	82	89.90	31.20
4	*2437.00	117.3 AV			1.02 V	82	86.10	31.20
5	2483.50	62.7 PK	74.0	-11.3	1.00 V	234	31.30	31.40
6	2483.50	51.3 AV	54.0	-2.7	1.00 V	234	19.90	31.40
7	4874.00	53.8 PK	74.0	-20.2	1.10 V	337	48.80	5.00
8	4874.00	50.5 AV	54.0	-3.5	1.10 V	337	45.50	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	107.9 PK			1.02 H	22	76.60	31.30
2	*2462.00	104.2 AV			1.02 H	22	72.90	31.30
3	2483.50	57.5 PK	74.0	-16.5	1.03 H	27	26.10	31.40
4	2483.50	46.6 AV	54.0	-7.4	1.03 H	27	15.20	31.40
5	4924.00	47.8 PK	74.0	-26.2	1.36 H	317	42.60	5.20
6	4924.00	37.5 AV	54.0	-16.5	1.36 H	317	32.30	5.20
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	*2462.00	118.0 PK			1.01 V	58	86.70	31.30
2	*2462.00	114.2 AV			1.01 V	58	82.90	31.30
3	2483.50	62.4 PK	74.0	-11.6	1.02 V	282	31.00	31.40
4	2483.50	52.5 AV	54.0	-1.5	1.02 V	282	21.10	31.40
5	4924.00	52.8 PK	74.0	-21.2	1.01 V	82	47.60	5.20
6	4924.00	47.7 AV	54.0	-6.3	1.01 V	82	42.50	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.3 PK	74.0	-12.7	1.11 H	11	30.30	31.00
2	2390.00	48.1 AV	54.0	-5.9	1.11 H	11	17.10	31.00
3	*2412.00	105.8 PK			1.07 H	7	74.70	31.10
4	*2412.00	97.1 AV			1.07 H	7	66.00	31.10
5	4824.00	46.8 PK	74.0	-27.2	1.10 H	230	41.90	4.90
6	4824.00	33.9 AV	54.0	-20.1	1.10 H	230	29.00	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.5 PK	74.0	-3.5	1.05 V	88	39.50	31.00
2	**2390.00**	**53.0 AV**	**54.0**	**-1.0**	**1.05 V**	**88**	**22.00**	**31.00**
3	*2412.00	114.8 PK			1.01 V	85	83.70	31.10
4	*2412.00	106.0 AV			1.01 V	85	74.90	31.10
5	4824.00	46.8 PK	74.0	-27.2	1.10 V	230	41.90	4.90
6	4824.00	33.9 AV	54.0	-20.1	1.10 V	230	29.00	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	57.3 PK	74.0	-16.7	1.10 H	10	26.30	31.00
2	2390.00	46.1 AV	54.0	-7.9	1.10 H	10	15.10	31.00
3	*2437.00	112.0 PK			1.00 H	55	80.80	31.20
4	*2437.00	102.7 AV			1.00 H	55	71.50	31.20
5	2483.50	61.4 PK	74.0	-12.6	1.02 H	25	30.00	31.40
6	2483.50	47.0 AV	54.0	-7.0	1.02 H	25	15.60	31.40
7	4974.00	47.6 PK	74.0	-26.4	1.33 H	220	42.00	5.60
8	4974.00	34.3 AV	54.0	-19.7	1.33 H	220	28.70	5.60
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	2390.00	63.4 PK	74.0	-10.6	1.01 V	100	32.40	31.00
2	2390.00	51.5 AV	54.0	-2.5	1.01 V	100	20.50	31.00
3	*2437.00	121.3 PK			1.04 V	80	90.10	31.20
4	*2437.00	111.8 AV			1.04 V	80	80.60	31.20
5	2483.50	68.3 PK	74.0	-5.7	1.00 V	49	36.90	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.00 V**	**49**	**21.60**	**31.40**
7	4874.00	46.9 PK	74.0	-27.1	1.22 V	107	41.90	5.00
8	4874.00	34.0 AV	54.0	-20.0	1.22 V	107	29.00	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	105.6 PK			1.00 H	160	74.30	31.30
2	*2462.00	96.8 AV			1.00 H	160	65.50	31.30
3	2483.50	61.0 PK	74.0	-13.0	1.04 H	19	29.60	31.40
4	2483.50	47.0 AV	54.0	-7.0	1.04 H	19	15.60	31.40
5	4924.00	47.7 PK	74.0	-26.3	1.03 H	69	42.50	5.20
6	4924.00	33.3 AV	54.0	-20.7	1.03 H	69	28.10	5.20
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	*2462.00	115.5 PK			1.00 V	57	84.20	31.30
2	*2462.00	106.6 AV			1.00 V	57	75.30	31.30
3	2483.50	70.7 PK	74.0	-3.3	1.00 V	48	39.30	31.40
4	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.00 V**	**48**	**21.60**	**31.40**
5	4924.00	47.8 PK	74.0	-26.2	1.05 V	41	42.60	5.20
6	4924.00	34.1 AV	54.0	-19.9	1.05 V	41	28.90	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	56.7 PK	74.0	-17.3	1.40 H	3	25.70	31.00
2	2390.00	46.3 AV	54.0	-7.7	1.40 H	3	15.30	31.00
3	*2412.00	104.9 PK			1.09 H	7	73.80	31.10
4	*2412.00	95.0 AV			1.09 H	7	63.90	31.10
5	4824.00	46.4 PK	74.0	-27.6	1.30 H	33	41.50	4.90
6	4824.00	33.5 AV	54.0	-20.5	1.30 H	33	28.60	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.3 PK	74.0	-6.7	1.00 V	96	36.30	31.00
2	2390.00	52.5 AV	54.0	-1.5	1.00 V	96	21.50	31.00
3	*2412.00	113.8 PK			1.02 V	80	82.70	31.10
4	*2412.00	104.0 AV			1.02 V	80	72.90	31.10
5	4824.00	46.8 PK	74.0	-27.2	1.23 V	20	41.90	4.90
6	4824.00	33.5 AV	54.0	-20.5	1.23 V	20	28.60	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	56.4 PK	74.0	-17.6	1.10 H	190	25.40	31.00
2	2390.00	45.4 AV	54.0	-8.6	1.10 H	190	14.40	31.00
3	*2437.00	111.5 PK			1.00 H	55	80.30	31.20
4	*2437.00	101.9 AV			1.00 H	55	70.70	31.20
5	2483.50	61.8 PK	74.0	-12.2	1.10 H	87	30.40	31.40
6	2483.50	50.8 AV	54.0	-3.2	1.10 H	87	19.40	31.40
7	4874.00	48.5 PK	74.0	-25.5	1.05 H	21	43.50	5.00
8	4874.00	35.1 AV	54.0	-18.9	1.05 H	21	30.10	5.00
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	63.7 PK	74.0	-10.3	1.01 V	98	32.70	31.00
2	2390.00	52.0 AV	54.0	-2.0	1.01 V	98	21.00	31.00
3	*2437.00	121.4 PK			1.02 V	83	90.20	31.20
4	*2437.00	111.5 AV			1.02 V	83	80.30	31.20
5	2483.50	68.3 PK	74.0	-5.7	1.00 V	58	36.90	31.40
6	2483.50	52.6 AV	54.0	-1.4	1.00 V	58	21.20	31.40
7	4874.00	49.9 PK	74.0	-24.1	1.09 V	80	44.90	5.00
8	4874.00	37.5 AV	54.0	-16.5	1.09 V	80	32.50	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	103.9 PK			1.23 H	9	72.60	31.30
2	*2462.00	94.9 AV			1.23 H	9	63.60	31.30
3	2483.50	59.8 PK	74.0	-14.2	1.09 H	13	28.40	31.40
4	2483.50	47.3 AV	54.0	-6.7	1.09 H	13	15.90	31.40
5	4924.00	47.1 PK	74.0	-26.9	1.04 H	25	41.90	5.20
6	4924.00	34.9 AV	54.0	-19.1	1.04 H	25	29.70	5.20
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	*2462.00	114.9 PK			1.02 V	52	83.60	31.30
2	*2462.00	104.9 AV			1.02 V	52	73.60	31.30
3	2483.50	66.6 PK	74.0	-7.4	1.02 V	257	35.20	31.40
4	2483.50	52.3 AV	54.0	-1.7	1.02 V	257	20.90	31.40
5	4924.00	47.1 PK	74.0	-26.9	1.17 V	42	41.90	5.20
6	4924.00	34.2 AV	54.0	-19.8	1.17 V	42	29.00	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	57.7 PK	74.0	-16.3	1.00 H	85	26.70	31.00
2	2390.00	46.5 AV	54.0	-7.5	1.00 H	85	15.50	31.00
3	*2422.00	97.9 PK			1.00 H	53	66.70	31.20
4	*2422.00	87.2 AV			1.00 H	53	56.00	31.20
5	4844.00	47.3 PK	74.0	-26.7	1.36 H	127	42.30	5.00
6	4844.00	34.4 AV	54.0	-19.6	1.36 H	127	29.40	5.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.0 PK	74.0	-6.0	1.05 V	83	37.00	31.00
2	2390.00	52.3 AV	54.0	-1.7	1.05 V	83	21.30	31.00
3	*2422.00	107.9 PK			1.02 V	82	76.70	31.20
4	*2422.00	97.2 AV			1.02 V	82	66.00	31.20
5	4844.00	46.9 PK	74.0	-27.1	1.30 V	58	41.90	5.00
6	4844.00	33.9 AV	54.0	-20.1	1.30 V	58	28.90	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	58.5 PK	74.0	-15.5	1.23 H	4	27.50	31.00
2	2390.00	46.0 AV	54.0	-8.0	1.23 H	4	15.00	31.00
3	*2437.00	101.8 PK			1.25 H	8	70.60	31.20
4	*2437.00	92.0 AV			1.25 H	8	60.80	31.20
5	2483.50	56.6 PK	74.0	-17.4	1.31 H	19	25.20	31.40
6	2483.50	44.8 AV	54.0	-9.2	1.31 H	19	13.40	31.40
7	4874.00	46.8 PK	74.0	-27.2	1.24 H	85	41.80	5.00
8	4874.00	33.7 AV	54.0	-20.3	1.24 H	85	28.70	5.00
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	66.2 PK	74.0	-7.8	1.02 V	87	35.20	31.00
2	2390.00	52.8 AV	54.0	-1.2	1.02 V	87	21.80	31.00
3	*2437.00	111.5 PK			1.00 V	85	80.30	31.20
4	*2437.00	101.1 AV			1.00 V	85	69.90	31.20
5	2483.50	67.8 PK	74.0	-6.2	1.00 V	235	36.40	31.40
6	2483.50	51.6 AV	54.0	-2.4	1.00 V	235	20.20	31.40
7	4874.00	46.9 PK	74.0	-27.1	1.19 V	54	41.90	5.00
8	4874.00	34.7 AV	54.0	-19.3	1.19 V	54	29.70	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	95.9 PK			1.00 H	51	64.60	31.30
2	*2452.00	86.5 AV			1.00 H	51	55.20	31.30
3	2483.50	60.1 PK	74.0	-13.9	1.03 H	19	28.70	31.40
4	2483.50	45.5 AV	54.0	-8.5	1.03 H	19	14.10	31.40
5	4904.00	47.0 PK	74.0	-27.0	1.13 H	94	41.90	5.10
6	4904.00	34.1 AV	54.0	-19.9	1.13 H	94	29.00	5.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	105.5 PK			1.00 V	57	74.20	31.30
2	*2452.00	96.1 AV			1.00 V	57	64.80	31.30
3	2483.50	70.6 PK	74.0	-3.4	1.00 V	51	39.20	31.40
4	2483.50	52.4 AV	54.0	-1.6	1.00 V	51	21.00	31.40
5	4904.00	47.0 PK	74.0	-27.0	1.23 V	74	41.90	5.10
6	4904.00	34.8 AV	54.0	-19.2	1.23 V	74	29.70	5.10

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

TEST MODE F

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	55.0 PK	74.0	-19.0	1.03 H	230	24.00	31.00
2	2390.00	43.2 AV	54.0	-10.8	1.03 H	230	12.20	31.00
3	*2412.00	99.1 PK			1.87 H	76	68.00	31.10
4	*2412.00	95.3 AV			1.87 H	76	64.20	31.10
5	2497.00	55.7 PK	74.0	-18.3	1.10 H	217	24.20	31.50
6	2497.00	44.4 AV	54.0	-9.6	1.10 H	217	12.90	31.50
7	4824.00	47.6 PK	74.0	-26.4	1.16 H	331	42.70	4.90
8	4824.00	36.5 AV	54.0	-17.5	1.16 H	331	31.60	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.1 PK	74.0	-15.9	1.01 V	231	27.10	31.00
2	2390.00	51.3 AV	54.0	-2.7	1.01 V	231	20.30	31.00
3	*2412.00	113.8 PK			1.01 V	82	82.70	31.10
4	*2412.00	110.7 AV			1.01 V	82	79.60	31.10
5	2497.00	64.9 PK	74.0	-9.1	1.00 V	59	33.40	31.50
6	2497.00	52.6 AV	54.0	-1.4	1.00 V	59	21.10	31.50
7	4824.00	48.4 PK	74.0	-25.6	1.12 V	349	43.50	4.90
8	4824.00	41.1 AV	54.0	-12.9	1.12 V	349	36.20	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	2352.00	55.3 PK	74.0	-18.7	1.17 H	41	24.40	30.90
2	2352.00	43.7 AV	54.0	-10.3	1.17 H	41	12.80	30.90
3	*2437.00	106.9 PK			1.00 H	81	75.70	31.20
4	*2437.00	103.5 AV			1.00 H	81	72.30	31.20
5	2483.50	54.9 PK	74.0	-19.1	1.19 H	41	23.50	31.40
6	2483.50	44.6 AV	54.0	-9.4	1.19 H	41	13.20	31.40
7	4874.00	50.0 PK	74.0	-24.0	1.00 H	325	45.00	5.00
8	4874.00	43.8 AV	54.0	-10.2	1.00 H	325	38.80	5.00
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	2352.00	58.8 PK	74.0	-15.2	1.03 V	52	27.90	30.90
2	2352.00	51.7 AV	54.0	-2.3	1.03 V	52	20.80	30.90
3	*2437.00	121.6 PK			1.00 V	261	90.40	31.20
4	*2437.00	118.1 AV			1.00 V	261	86.90	31.20
5	2483.50	62.7 PK	74.0	-11.3	1.00 V	288	31.30	31.40
6	2483.50	52.3 AV	54.0	-1.7	1.00 V	288	20.90	31.40
7	4874.00	53.2 PK	74.0	-20.8	1.09 V	210	48.20	5.00
8	4874.00	48.9 AV	54.0	-5.1	1.09 V	210	43.90	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	104.2 PK			1.32 H	225	72.90	31.30
2	*2462.00	100.2 AV			1.32 H	225	68.90	31.30
3	2483.50	55.3 PK	74.0	-18.7	1.04 H	43	23.90	31.40
4	2483.50	45.1 AV	54.0	-8.9	1.04 H	43	13.70	31.40
5	4924.00	48.0 PK	74.0	-26.0	1.21 H	323	42.80	5.20
6	4924.00	37.8 AV	54.0	-16.2	1.21 H	323	32.60	5.20
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	*2462.00	115.8 PK			1.00 V	58	84.50	31.30
2	*2462.00	112.0 AV			1.00 V	58	80.70	31.30
3	2483.50	64.1 PK	74.0	-9.9	1.00 V	55	32.70	31.40
4	2483.50	52.3 AV	54.0	-1.7	1.00 V	55	20.90	31.40
5	4924.00	48.8 PK	74.0	-25.2	1.09 V	35	43.60	5.20
6	4924.00	40.0 AV	54.0	-14.0	1.09 V	35	34.80	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	54.4 PK	74.0	-19.6	1.06 H	91	23.40	31.00
2	2390.00	44.2 AV	54.0	-9.8	1.06 H	91	13.20	31.00
3	*2412.00	102.6 PK			1.06 H	221	71.50	31.10
4	*2412.00	92.9 AV			1.06 H	221	61.80	31.10
5	4824.00	46.8 PK	74.0	-27.2	1.15 H	74	41.90	4.90
6	4824.00	33.9 AV	54.0	-20.1	1.15 H	74	29.00	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.1 PK	74.0	-3.9	1.00 V	295	39.10	31.00
2	2390.00	52.3 AV	54.0	-1.7	1.00 V	295	21.30	31.00
3	*2412.00	116.0 PK			1.00 V	280	84.90	31.10
4	*2412.00	106.5 AV			1.00 V	280	75.40	31.10
5	4824.00	46.6 PK	74.0	-27.4	1.00 V	18	41.70	4.90
6	4824.00	33.6 AV	54.0	-20.4	1.00 V	18	28.70	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	54.7 PK	74.0	-19.3	1.10 H	134	23.70	31.00
2	2390.00	43.6 AV	54.0	-10.4	1.10 H	134	12.60	31.00
3	*2437.00	106.2 PK			1.79 H	84	75.00	31.20
4	*2437.00	97.1 AV			1.79 H	84	65.90	31.20
5	2483.50	55.4 PK	74.0	-18.6	1.04 H	55	24.00	31.40
6	2483.50	44.1 AV	54.0	-9.9	1.04 H	55	12.70	31.40
7	4874.00	46.6 PK	74.0	-27.4	1.17 H	65	41.60	5.00
8	4874.00	34.4 AV	54.0	-19.6	1.17 H	65	29.40	5.00
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	61.8 PK	74.0	-12.2	1.00 V	287	30.80	31.00
2	2390.00	51.3 AV	54.0	-2.7	1.00 V	287	20.30	31.00
3	*2437.00	120.0 PK			1.00 V	52	88.80	31.20
4	*2437.00	111.2 AV			1.00 V	52	80.00	31.20
5	2483.50	64.7 PK	74.0	-9.3	1.00 V	279	33.30	31.40
6	2483.50	52.3 AV	54.0	-1.7	1.00 V	279	20.90	31.40
7	4874.00	46.9 PK	74.0	-27.1	1.14 V	87	41.90	5.00
8	4874.00	35.4 AV	54.0	-18.6	1.14 V	87	30.40	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	104.9 PK			1.03 H	224	73.60	31.30
2	*2462.00	94.8 AV			1.03 H	224	63.50	31.30
3	2483.50	55.6 PK	74.0	-18.4	1.09 H	224	24.20	31.40
4	2483.50	45.4 AV	54.0	-8.6	1.09 H	224	14.00	31.40
5	4924.00	47.9 PK	74.0	-26.1	1.23 H	54	42.70	5.20
6	4924.00	35.1 AV	54.0	-18.9	1.23 H	54	29.90	5.20
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	*2462.00	116.0 PK			1.00 V	54	84.70	31.30
2	*2462.00	106.9 AV			1.00 V	54	75.60	31.30
3	2483.50	69.4 PK	74.0	-4.6	1.00 V	262	38.00	31.40
4	2483.50	52.9 AV	54.0	-1.1	1.00 V	262	21.50	31.40
5	4924.00	46.7 PK	74.0	-27.3	1.17 V	41	41.50	5.20
6	4924.00	33.9 AV	54.0	-20.1	1.17 V	41	28.70	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	55.0 PK	74.0	-19.0	1.23 H	84	24.00	31.00
2	2390.00	44.9 AV	54.0	-9.1	1.23 H	84	13.90	31.00
3	*2412.00	98.9 PK			1.44 H	169	67.80	31.10
4	*2412.00	89.2 AV			1.44 H	169	58.10	31.10
5	4824.00	46.8 PK	74.0	-27.2	1.23 H	229	41.90	4.90
6	4824.00	34.6 AV	54.0	-19.4	1.23 H	229	29.70	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.1 PK	74.0	-5.9	1.26 V	335	37.10	31.00
2	2390.00	52.7 AV	54.0	-1.3	1.26 V	335	21.70	31.00
3	*2412.00	113.3 PK			1.00 V	55	82.20	31.10
4	*2412.00	103.8 AV			1.00 V	55	72.70	31.10
5	4824.00	46.5 PK	74.0	-27.5	1.33 V	205	41.60	4.90
6	4824.00	34.8 AV	54.0	-19.2	1.33 V	205	29.90	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	54.7 PK	74.0	-19.3	1.15 H	74	23.70	31.00
2	2390.00	44.6 AV	54.0	-9.4	1.15 H	74	13.60	31.00
3	*2437.00	104.8 PK			1.00 H	84	73.60	31.20
4	*2437.00	95.4 AV			1.00 H	84	64.20	31.20
5	2483.50	55.9 PK	74.0	-18.1	1.00 H	114	24.50	31.40
6	2483.50	44.2 AV	54.0	-9.8	1.00 H	114	12.80	31.40
7	4874.00	46.6 PK	74.0	-27.4	1.15 H	69	41.60	5.00
8	4874.00	33.7 AV	54.0	-20.3	1.15 H	69	28.70	5.00
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	60.5 PK	74.0	-13.5	1.00 V	286	29.50	31.00
2	2390.00	48.8 AV	54.0	-5.2	1.00 V	286	17.80	31.00
3	*2437.00	119.4 PK			1.00 V	263	88.20	31.20
4	*2437.00	110.0 AV			1.00 V	263	78.80	31.20
5	2483.50	66.1 PK	74.0	-7.9	1.00 V	283	34.70	31.40
6	2483.50	52.3 AV	54.0	-1.7	1.00 V	283	20.90	31.40
7	4874.00	46.6 PK	74.0	-27.4	1.20 V	147	41.60	5.00
8	4874.00	34.0 AV	54.0	-20.0	1.20 V	147	29.00	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	102.9 PK			1.04 H	223	71.60	31.30
2	*2462.00	93.0 AV			1.04 H	223	61.70	31.30
3	2483.50	56.0 PK	74.0	-18.0	1.06 H	258	24.60	31.40
4	2483.50	44.3 AV	54.0	-9.7	1.06 H	258	12.90	31.40
5	4924.00	47.2 PK	74.0	-26.8	1.24 H	51	42.00	5.20
6	4924.00	34.9 AV	54.0	-19.1	1.24 H	51	29.70	5.20
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	*2462.00	114.9 PK			1.00 V	259	83.60	31.30
2	*2462.00	105.3 AV			1.00 V	259	74.00	31.30
3	2483.50	68.0 PK	74.0	-6.0	1.00 V	80	36.60	31.40
4	2483.50	52.9 AV	54.0	-1.1	1.00 V	80	21.50	31.40
5	4924.00	46.7 PK	74.0	-27.3	1.23 V	204	41.50	5.20
6	4924.00	34.9 AV	54.0	-19.1	1.23 V	204	29.70	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	54.2 PK	74.0	-19.8	1.03 H	308	23.20	31.00
2	2390.00	43.4 AV	54.0	-10.6	1.03 H	308	12.40	31.00
3	*2422.00	95.4 PK			1.05 H	222	64.20	31.20
4	*2422.00	85.7 AV			1.05 H	222	54.50	31.20
5	4844.00	46.6 PK	74.0	-27.4	1.22 H	58	41.60	5.00
6	4844.00	33.7 AV	54.0	-20.3	1.22 H	58	28.70	5.00
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	66.6 PK	74.0	-7.4	1.00 V	282	35.60	31.00
2	2390.00	52.3 AV	54.0	-1.7	1.00 V	282	21.30	31.00
3	*2422.00	106.8 PK			1.00 V	51	75.60	31.20
4	*2422.00	97.8 AV			1.00 V	51	66.60	31.20
5	4844.00	46.6 PK	74.0	-27.4	1.14 V	52	41.60	5.00
6	4844.00	34.0 AV	54.0	-20.0	1.14 V	52	29.00	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	55.9 PK	74.0	-18.1	1.23 H	47	24.90	31.00
2	2390.00	44.0 AV	54.0	-10.0	1.23 H	47	13.00	31.00
3	*2437.00	98.4 PK			1.05 H	221	67.20	31.20
4	*2437.00	88.6 AV			1.05 H	221	57.40	31.20
5	2483.50	72.2 PK	74.0	-1.8	1.06 H	302	40.80	31.40
6	2483.50	44.1 AV	54.0	-9.9	1.06 H	302	12.70	31.40
7	4874.00	46.8 PK	74.0	-27.2	1.05 H	74	41.80	5.00
8	4874.00	33.6 AV	54.0	-20.4	1.05 H	74	28.60	5.00
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	66.6 PK	74.0	-7.4	1.02 V	50	35.60	31.00
2	2390.00	52.3 AV	54.0	-1.7	1.02 V	50	21.30	31.00
3	*2437.00	111.8 PK			1.00 V	257	80.60	31.20
4	*2437.00	102.9 AV			1.00 V	257	71.70	31.20
5	2483.50	64.9 PK	74.0	-9.1	1.00 V	272	33.50	31.40
6	2483.50	52.5 AV	54.0	-1.5	1.00 V	272	21.10	31.40
7	4874.00	47.5 PK	74.0	-26.5	1.06 V	50	42.50	5.00
8	4874.00	34.0 AV	54.0	-20.0	1.06 V	50	29.00	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	95.2 PK			1.05 H	223	63.90	31.30
2	*2452.00	85.6 AV			1.05 H	223	54.30	31.30
3	2483.50	56.8 PK	74.0	-17.2	1.15 H	330	25.40	31.40
4	2483.50	43.8 AV	54.0	-10.2	1.15 H	330	12.40	31.40
5	4844.00	46.7 PK	74.0	-27.3	1.14 H	85	41.70	5.00
6	4844.00	34.9 AV	54.0	-19.1	1.14 H	85	29.90	5.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	108.5 PK			1.00 V	81	77.20	31.30
2	*2452.00	97.7 AV			1.00 V	81	66.40	31.30
3	2483.50	71.0 PK	74.0	-3.0	1.00 V	262	39.60	31.40
4	2483.50	52.9 AV	54.0	-1.1	1.00 V	262	21.50	31.40
5	4904.00	46.7 PK	74.0	-27.3	1.15 V	71	41.60	5.10
6	4904.00	34.8 AV	54.0	-19.2	1.15 V	71	29.70	5.10

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

TEST MODE G

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	2360.00	60.7 PK	74.0	-13.3	1.00 H	359	29.80	30.90
2	2360.00	51.4 AV	54.0	-2.6	1.00 H	359	20.50	30.90
3	*2412.00	117.1 PK			1.56 H	355	86.00	31.10
4	*2412.00	113.3 AV			1.56 H	355	82.20	31.10
5	2496.00	66.0 PK	74.0	-8.0	1.24 H	350	34.50	31.50
6	**2496.00**	**53.0 AV**	**54.0**	**-1.0**	**1.24 H**	**350**	**21.50**	**31.50**
7	4824.00	48.1 PK	74.0	-25.9	1.60 H	308	43.20	4.90
8	4824.00	35.7 AV	54.0	-18.3	1.60 H	308	30.80	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	53.5 PK	74.0	-20.5	1.23 V	12	22.50	31.00
2	2390.00	43.8 AV	54.0	-10.2	1.23 V	12	12.80	31.00
3	*2412.00	100.2 PK			2.15 V	33	69.10	31.10
4	*2412.00	96.4 AV			2.15 V	33	65.30	31.10
5	2496.00	22.5 PK	74.0	-51.5	1.12 V	321	24.40	-1.90
6	2496.00	11.5 AV	54.0	-42.5	1.12 V	321	13.40	-1.90
7	4824.00	48.8 PK	74.0	-25.2	1.61 V	92	43.90	4.90
8	4824.00	36.2 AV	54.0	-17.8	1.61 V	92	31.30	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	2350.00	63.9 PK	74.0	-10.1	1.14 H	349	33.00	30.90
2	2350.00	52.6 AV	54.0	-1.4	1.14 H	349	21.70	30.90
3	*2437.00	121.8 PK			1.24 H	358	90.60	31.20
4	*2437.00	118.1 AV			1.24 H	358	86.90	31.20
5	2483.50	65.9 PK	74.0	-8.1	1.21 H	350	34.50	31.40
6	2483.50	52.0 AV	54.0	-2.0	1.21 H	350	20.60	31.40
7	4874.00	51.0 PK	74.0	-23.0	1.25 H	356	46.00	5.00
8	4874.00	41.7 AV	54.0	-12.3	1.25 H	356	36.70	5.00
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	2350.00	54.6 PK	74.0	-19.4	1.00 V	99	23.70	30.90
2	2350.00	44.4 AV	54.0	-9.6	1.00 V	99	13.50	30.90
3	*2437.00	102.3 PK			2.08 V	20	71.10	31.20
4	*2437.00	99.2 AV			2.08 V	20	68.00	31.20
5	2483.50	58.2 PK	74.0	-15.8	1.61 V	82	26.80	31.40
6	2483.50	48.0 AV	54.0	-6.0	1.61 V	82	16.60	31.40
7	4874.00	50.0 PK	74.0	-24.0	1.60 V	69	45.00	5.00
8	4874.00	41.4 AV	54.0	-12.6	1.60 V	69	36.40	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	2375.00	62.6 PK	74.0	-11.4	1.33 H	352	31.60	31.00
2	2375.00	51.8 AV	54.0	-2.2	1.33 H	352	20.80	31.00
3	*2462.00	117.9 PK			1.50 H	355	86.60	31.30
4	*2462.00	114.5 AV			1.50 H	355	83.20	31.30
5	2483.50	67.6 PK	74.0	-6.4	1.22 H	352	36.20	31.40
6	2483.50	52.5 AV	54.0	-1.5	1.22 H	352	21.10	31.40
7	4924.00	51.6 PK	74.0	-22.4	1.00 H	348	46.40	5.20
8	4924.00	38.7 AV	54.0	-15.3	1.00 H	348	33.50	5.20
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	2375.00	54.9 PK	74.0	-19.1	1.08 V	77	23.90	31.00
2	2375.00	44.7 AV	54.0	-9.3	1.08 V	77	13.70	31.00
3	*2462.00	103.4 PK			1.19 V	108	72.10	31.30
4	*2462.00	99.9 AV			1.19 V	108	68.60	31.30
5	2483.50	57.5 PK	74.0	-16.5	1.20 V	119	26.10	31.40
6	2483.50	47.0 AV	54.0	-7.0	1.20 V	119	15.60	31.40
7	4924.00	50.7 PK	74.0	-23.3	1.15 V	76	45.50	5.20
8	4924.00	38.9 AV	54.0	-15.1	1.15 V	76	33.70	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	69.1 PK	74.0	-4.9	1.13 H	358	38.10	31.00
2	2390.00	52.5 AV	54.0	-1.5	1.13 H	358	21.50	31.00
3	*2412.00	117.9 PK			1.27 H	359	86.80	31.10
4	*2412.00	108.3 AV			1.27 H	359	77.20	31.10
5	2493.00	65.6 PK	74.0	-8.4	1.11 H	354	34.10	31.50
6	2493.00	52.6 AV	54.0	-1.4	1.11 H	354	21.10	31.50
7	4824.00	48.1 PK	74.0	-25.9	1.52 H	345	43.20	4.90
8	4824.00	34.4 AV	54.0	-19.6	1.52 H	345	29.50	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	56.4 PK	74.0	-17.6	1.28 V	34	25.40	31.00
2	2390.00	46.2 AV	54.0	-7.8	1.28 V	34	15.20	31.00
3	*2412.00	99.8 PK			1.50 V	85	68.70	31.10
4	*2412.00	90.6 AV			1.50 V	85	59.50	31.10
5	2493.00	55.1 PK	74.0	-18.9	1.22 V	97	23.60	31.50
6	2493.00	44.6 AV	54.0	-9.4	1.22 V	97	13.10	31.50
7	4824.00	47.7 PK	74.0	-26.3	1.63 V	24	42.80	4.90
8	4824.00	34.1 AV	54.0	-19.9	1.63 V	24	29.20	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	66.4 PK	74.0	-7.6	1.15 H	349	35.40	31.00
2	2390.00	52.2 AV	54.0	-1.8	1.15 H	349	21.20	31.00
3	*2437.00	124.5 PK			1.26 H	354	93.30	31.20
4	*2437.00	114.6 AV			1.26 H	354	83.40	31.20
5	2488.00	67.1 PK	74.0	-6.9	1.14 H	352	35.70	31.40
6	2488.00	52.7 AV	54.0	-1.3	1.14 H	352	21.30	31.40
7	4874.00	47.8 PK	74.0	-26.2	1.30 H	296	42.80	5.00
8	4874.00	35.4 AV	54.0	-18.6	1.30 H	296	30.40	5.00
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	55.7 PK	74.0	-18.3	1.25 V	94	24.70	31.00
2	2390.00	45.6 AV	54.0	-8.4	1.25 V	94	14.60	31.00
3	*2437.00	105.9 PK			1.22 V	108	74.70	31.20
4	*2437.00	96.5 AV			1.22 V	108	65.30	31.20
5	2483.50	58.8 PK	74.0	-15.2	1.15 V	89	27.40	31.40
6	2483.50	47.7 AV	54.0	-6.3	1.15 V	89	16.30	31.40
7	4874.00	47.5 PK	74.0	-26.5	1.42 V	55	42.50	5.00
8	4874.00	34.3 AV	54.0	-19.7	1.42 V	55	29.30	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	119.0 PK			1.00 H	351	87.70	31.30
2	*2462.00	109.4 AV			1.00 H	351	78.10	31.30
3	2483.50	69.0 PK	74.0	-5.0	1.11 H	354	37.60	31.40
4	2483.50	52.9 AV	54.0	-1.1	1.11 H	354	21.50	31.40
5	4924.00	47.5 PK	74.0	-26.5	1.33 H	339	42.30	5.20
6	4924.00	34.6 AV	54.0	-19.4	1.33 H	339	29.40	5.20
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	*2462.00	104.5 PK			1.01 V	81	73.20	31.30
2	*2462.00	95.5 AV			1.01 V	81	64.20	31.30
3	2483.50	56.5 PK	74.0	-17.5	1.12 V	54	25.10	31.40
4	2483.50	45.9 AV	54.0	-8.1	1.12 V	54	14.50	31.40
5	4924.00	47.4 PK	74.0	-26.6	1.44 V	149	42.20	5.20
6	4924.00	34.3 AV	54.0	-19.7	1.44 V	149	29.10	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	68.0 PK	74.0	-6.0	1.00 H	351	37.00	31.00
2	2390.00	52.9 AV	54.0	-1.1	1.00 H	351	21.90	31.00
3	*2412.00	116.0 PK			1.32 H	356	84.90	31.10
4	*2412.00	106.2 AV			1.32 H	356	75.10	31.10
5	4824.00	47.1 PK	74.0	-26.9	1.25 H	310	42.20	4.90
6	4824.00	33.9 AV	54.0	-20.1	1.25 H	310	29.00	4.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	54.6 PK	74.0	-19.4	1.09 V	32	23.60	31.00
2	2390.00	44.4 AV	54.0	-9.6	1.09 V	32	13.40	31.00
3	*2412.00	99.6 PK			1.22 V	55	68.50	31.10
4	*2412.00	90.1 AV			1.22 V	55	59.00	31.10
5	4824.00	47.1 PK	74.0	-26.9	1.10 V	222	42.20	4.90
6	4824.00	33.5 AV	54.0	-20.5	1.10 V	222	28.60	4.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	2355.00	63.4 PK	74.0	-10.6	1.12 H	344	32.50	30.90
2	2355.00	51.9 AV	54.0	-2.1	1.12 H	344	21.00	30.90
3	*2437.00	122.9 PK			1.51 H	355	91.70	31.20
4	*2437.00	113.5 AV			1.51 H	355	82.30	31.20
5	2483.50	66.4 PK	74.0	-7.6	1.09 H	351	35.00	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.09 H**	**351**	**21.60**	**31.40**
7	4874.00	46.8 PK	74.0	-27.2	1.56 H	125	41.80	5.00
8	4874.00	33.8 AV	54.0	-20.2	1.56 H	125	28.80	5.00
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	2355.00	56.6 PK	74.0	-17.4	1.00 V	29	25.70	30.90
2	2355.00	46.5 AV	54.0	-7.5	1.00 V	29	15.60	30.90
3	*2437.00	106.6 PK			1.00 V	81	75.40	31.20
4	*2437.00	97.4 AV			1.00 V	81	66.20	31.20
5	2483.50	59.6 PK	74.0	-14.4	1.16 V	101	28.20	31.40
6	2483.50	49.2 AV	54.0	-4.8	1.16 V	101	17.80	31.40
7	4874.00	46.6 PK	74.0	-27.4	1.24 V	299	41.60	5.00
8	4874.00	32.9 AV	54.0	-21.1	1.24 V	299	27.90	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	118.4 PK			1.55 H	354	87.10	31.30
2	*2462.00	108.7 AV			1.55 H	354	77.40	31.30
3	2483.50	69.1 PK	74.0	-4.9	1.22 H	350	37.70	31.40
4	2483.50	52.7 AV	54.0	-1.3	1.22 H	350	21.30	31.40
5	4924.00	47.7 PK	74.0	-26.3	1.59 H	269	42.50	5.20
6	4924.00	33.9 AV	54.0	-20.1	1.59 H	269	28.70	5.20
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	*2462.00	103.1 PK			1.00 V	80	71.80	31.30
2	*2462.00	93.9 AV			1.00 V	80	62.60	31.30
3	2483.50	57.6 PK	74.0	-16.4	1.06 V	72	26.20	31.40
4	2483.50	47.0 AV	54.0	-7.0	1.06 V	72	15.60	31.40
5	4924.00	47.3 PK	74.0	-26.7	1.36 V	68	42.10	5.20
6	4924.00	33.2 AV	54.0	-20.8	1.36 V	68	28.00	5.20

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	69.2 PK	74.0	-4.8	1.02 H	351	38.20	31.00
2	2390.00	52.9 AV	54.0	-1.1	1.02 H	351	21.90	31.00
3	*2422.00	109.3 PK			1.16 H	355	78.10	31.20
4	*2422.00	99.8 AV			1.16 H	355	68.60	31.20
5	4844.00	46.8 PK	74.0	-27.2	1.25 H	347	41.80	5.00
6	4844.00	33.3 AV	54.0	-20.7	1.25 H	347	28.30	5.00
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	56.0 PK	74.0	-18.0	1.07 V	93	25.00	31.00
2	2390.00	45.9 AV	54.0	-8.1	1.07 V	93	14.90	31.00
3	*2422.00	95.0 PK			1.00 V	81	63.80	31.20
4	*2422.00	83.7 AV			1.00 V	81	52.50	31.20
5	4844.00	46.5 PK	74.0	-27.5	1.19 V	49	41.50	5.00
6	4844.00	33.3 AV	54.0	-20.7	1.19 V	49	28.30	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	2360.00	63.2 PK	74.0	-10.8	1.00 H	351	32.30	30.90
2	2360.00	51.1 AV	54.0	-2.9	1.00 H	351	20.20	30.90
3	*2437.00	115.5 PK			1.23 H	352	84.30	31.20
4	*2437.00	105.1 AV			1.23 H	352	73.90	31.20
5	2483.50	67.4 PK	74.0	-6.6	1.00 H	351	36.00	31.40
6	**2483.50**	**53.0 AV**	**54.0**	**-1.0**	**1.00 H**	**351**	**21.60**	**31.40**
7	4874.00	46.3 PK	74.0	-27.7	1.34 H	189	41.30	5.00
8	4874.00	33.2 AV	54.0	-20.8	1.34 H	189	28.20	5.00
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	2360.00	55.1 PK	74.0	-18.9	1.09 V	88	24.20	30.90
2	2360.00	44.5 AV	54.0	-9.5	1.09 V	88	13.60	30.90
3	*2437.00	98.7 PK			1.20 V	106	67.50	31.20
4	*2437.00	89.4 AV			1.20 V	106	58.20	31.20
5	2483.50	59.4 PK	74.0	-14.6	1.00 V	30	28.00	31.40
6	2483.50	49.0 AV	54.0	-5.0	1.00 V	30	17.60	31.40
7	4874.00	45.7 PK	74.0	-28.3	1.00 V	255	40.70	5.00
8	4874.00	32.8 AV	54.0	-21.2	1.00 V	255	27.80	5.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	108.5 PK			1.00 H	353	77.20	31.30
2	*2452.00	98.7 AV			1.00 H	353	67.40	31.30
3	2483.50	72.3 PK	74.0	-1.7	1.16 H	350	40.90	31.40
4	2483.50	52.9 AV	54.0	-1.1	1.16 H	350	21.50	31.40
5	4904.00	46.1 PK	74.0	-27.9	1.22 H	356	41.00	5.10
6	4904.00	33.1 AV	54.0	-20.9	1.22 H	356	28.00	5.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	94.9 PK			1.00 V	82	63.60	31.30
2	*2452.00	85.2 AV			1.00 V	82	53.90	31.30
3	2483.50	55.9 PK	74.0	-18.1	1.03 V	44	24.50	31.40
4	2483.50	45.4 AV	54.0	-8.6	1.03 V	44	14.00	31.40
5	4904.00	46.4 PK	74.0	-27.6	1.00 V	57	41.30	5.10
6	4904.00	33.3 AV	54.0	-20.7	1.00 V	57	28.20	5.10

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

BELOW 1GHz WORST-CASE DATA：

TEST MODE A

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	57.12	31.6 QP	40.0	-8.4	1.99 H	340	46.20	-14.60
2	142.67	41.2 QP	43.5	-2.3	1.99 H	125	55.50	-14.30
3	239.88	37.4 QP	46.0	-8.6	1.00 H	140	52.10	-14.70
4	335.15	38.3 QP	46.0	-7.7	1.00 H	148	49.90	-11.60
5	432.37	35.1 QP	46.0	-10.9	1.99 H	155	44.50	-9.40
6	527.64	35.5 QP	46.0	-10.5	1.49 H	154	43.30	-7.80
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	37.68	24.1 QP	40.0	-15.9	1.01 V	7	39.40	-15.30
2	57.12	27.0 QP	40.0	-13.0	1.01 V	226	41.60	-14.60
3	132.95	30.3 QP	43.5	-13.2	1.51 V	304	45.20	-14.90
4	239.88	29.3 QP	46.0	-16.7	1.01 V	263	44.00	-14.70
5	335.15	30.2 QP	46.0	-15.8	1.01 V	133	41.80	-11.60
6	449.87	29.1 QP	46.0	-16.9	1.01 V	358	38.30	-9.20

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) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE B

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	99.89	40.3 QP	43.5	-3.2	1.99 H	123	59.10	-18.80
2	142.67	36.2 QP	43.5	-7.3	1.00 H	173	50.50	-14.30
3	166.00	37.7 QP	43.5	-5.8	1.99 H	8	51.70	-14.00
4	239.88	37.0 QP	46.0	-9.0	1.00 H	135	51.70	-14.70
5	500.42	42.2 QP	46.0	-3.8	1.49 H	89	50.50	-8.30
6	873.72	35.4 QP	46.0	-10.6	1.00 H	355	36.50	-1.10
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	57.12	28.4 QP	40.0	-11.6	1.00 V	255	43.00	-14.60
2	99.89	32.7 QP	43.5	-10.8	1.00 V	70	51.50	-18.80
3	166.00	33.1 QP	43.5	-10.4	2.00 V	227	47.10	-14.00
4	335.15	30.8 QP	46.0	-15.2	1.00 V	156	42.40	-11.60
5	500.42	38.6 QP	46.0	-7.4	1.00 V	170	46.90	-8.30
6	873.72	34.4 QP	46.0	-11.6	2.00 V	266	35.50	-1.10

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) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE C

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	21deg. C, 62%RH	TESTED BY	Chris Lin

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	57.12	32.0 QP	40.0	-8.0	1.99 H	13	46.60	-14.60
2	156.28	37.4 QP	43.5	-6.1	1.99 H	14	51.10	-13.70
3	239.88	38.6 QP	46.0	-7.4	1.00 H	61	53.30	-14.70
4	335.15	37.9 QP	46.0	-8.1	1.00 H	91	49.50	-11.60
5	366.26	33.2 QP	46.0	-12.8	1.00 H	111	44.10	-10.90
6	527.64	35.2 QP	46.0	-10.8	1.49 H	76	43.00	-7.80
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	44.82	38.2 QP	40.0	-1.8	1.00 V	336	52.90	-14.70
2	62.95	37.2 QP	40.0	-2.8	1.00 V	203	52.40	-15.20
3	142.67	34.2 QP	43.5	-9.3	1.00 V	202	48.50	-14.30
4	232.11	34.7 QP	46.0	-11.3	1.00 V	94	50.40	-15.70
5	335.15	31.9 QP	46.0	-14.1	1.00 V	191	43.50	-11.60
6	498.47	43.2 QP	46.0	-2.8	1.00 V	155	51.50	-8.30

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) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE D

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 67%RH	TESTED BY	Jones Chang

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	57.12	30.8 QP	40.0	-9.2	2.00 H	234	45.40	-14.60
2	142.67	42.2 QP	43.5	-1.3	2.00 H	1	56.50	-14.30
3	171.83	41.7 QP	43.5	-1.8	1.00 H	11	55.90	-14.20
4	239.88	39.2 QP	46.0	-6.8	1.00 H	143	53.90	-14.70
5	335.15	40.5 QP	46.0	-5.5	1.00 H	119	52.10	-11.60
6	527.64	34.7 QP	46.0	-11.3	1.50 H	155	42.50	-7.80
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	57.12	27.0 QP	40.0	-13.0	1.00 V	102	41.60	-14.60
2	142.67	33.9 QP	43.5	-9.6	1.99 V	293	48.20	-14.30
3	239.88	30.1 QP	46.0	-15.9	1.99 V	66	44.80	-14.70
4	335.15	29.9 QP	46.0	-16.1	1.00 V	141	41.50	-11.60
5	527.64	32.0 QP	46.0	-14.0	1.00 V	246	39.80	-7.80
6	972.88	31.9 QP	54.0	-22.1	1.00 V	8	30.90	1.00

REMARKS:

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

TEST MODE E

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	57.12	33.0 QP	40.0	-7.0	2.00 H	310	47.60	-14.60
2	166.00	40.2 QP	43.5	-3.3	1.50 H	202	54.20	-14.00
3	265.16	38.9 QP	46.0	-7.1	1.26 H	92	52.40	-13.50
4	335.15	33.5 QP	46.0	-12.5	1.01 H	196	45.10	-11.60
5	500.42	41.8 QP	46.0	-4.2	1.50 H	108	50.10	-8.30
6	900.94	33.2 QP	46.0	-12.8	1.26 H	61	33.60	-0.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	166.00	33.3 QP	43.5	-10.2	1.03 V	135	47.30	-14.00
2	265.16	32.9 QP	46.0	-13.1	1.99 V	15	46.40	-13.50
3	298.21	38.0 QP	46.0	-8.0	1.24 V	75	50.30	-12.30
4	335.15	30.9 QP	46.0	-15.1	1.50 V	61	42.50	-11.60
5	500.42	42.0 QP	46.0	-4.0	1.03 V	277	50.30	-8.30
6	900.94	33.4 QP	46.0	-12.6	1.03 V	102	33.80	-0.40

REMARKS:

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

TEST MODE F

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Chris Lin

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	57.12	32.6 QP	40.0	-7.4	2.00 H	63	47.20	-14.60
2	166.00	40.9 QP	43.5	-2.6	1.50 H	176	54.90	-14.00
3	265.16	39.0 QP	46.0	-7.0	1.00 H	86	52.50	-13.50
4	335.15	36.6 QP	46.0	-9.4	1.00 H	88	48.20	-11.60
5	500.42	43.1 QP	46.0	-2.9	1.50 H	27	51.40	-8.30
6	900.94	33.3 QP	46.0	-12.7	1.50 H	128	33.70	-0.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	33.0 QP	43.5	-10.5	1.00 V	66	51.80	-18.80
2	166.00	31.6 QP	43.5	-11.9	1.99 V	97	45.60	-14.00
3	374.04	30.2 QP	46.0	-15.8	1.25 V	156	40.90	-10.70
4	498.47	41.5 QP	46.0	-4.5	1.00 V	129	49.80	-8.30
5	832.89	32.3 QP	46.0	-13.7	1.00 V	76	34.00	-1.70
6	900.94	33.2 QP	46.0	-12.8	1.00 V	111	33.60	-0.40

REMARKS:

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

TEST MODE G

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 65%RH	TESTED BY	Jones Chang

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	57.12	30.9 QP	40.0	-9.1	2.00 H	8	45.50	-14.60
2	99.89	40.2 QP	43.5	-3.3	2.00 H	112	59.00	-18.80
3	166.00	38.2 QP	43.5	-5.3	1.49 H	284	52.20	-14.00
4	239.88	39.8 QP	46.0	-6.2	1.00 H	129	54.50	-14.70
5	335.15	37.2 QP	46.0	-8.8	1.00 H	98	48.80	-11.60
6	527.64	36.5 QP	46.0	-9.5	1.49 H	69	44.30	-7.80
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	57.12	27.3 QP	40.0	-12.7	1.01 V	7	41.90	-14.60
2	99.89	33.0 QP	43.5	-10.5	1.01 V	66	51.80	-18.80
3	166.00	34.2 QP	43.5	-9.3	1.01 V	147	48.20	-14.00
4	199.05	33.1 QP	43.5	-10.4	1.01 V	355	49.70	-16.60
5	498.47	40.1 QP	46.0	-5.9	2.00 V	28	48.40	-8.30
6	900.94	33.8 QP	46.0	-12.2	1.50 V	164	34.20	-0.40

REMARKS:

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

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 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. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

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

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Apr. 24, 2013	Apr. 23, 2014
			Apr. 24, 2014	Apr. 23, 2015
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 27, 2013	Dec. 26, 2014
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 23, 2013	Dec. 22, 2014
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Jul. 08, 2013	Jul. 07, 2014
Software ADT	BV ADT_Cond_V7.3.7.3	NA	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 HwaYa Shielded Room 2.

3. The VCCI Site Registration No. is C-2047.

4.2.3 TEST PROCEDURES

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

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

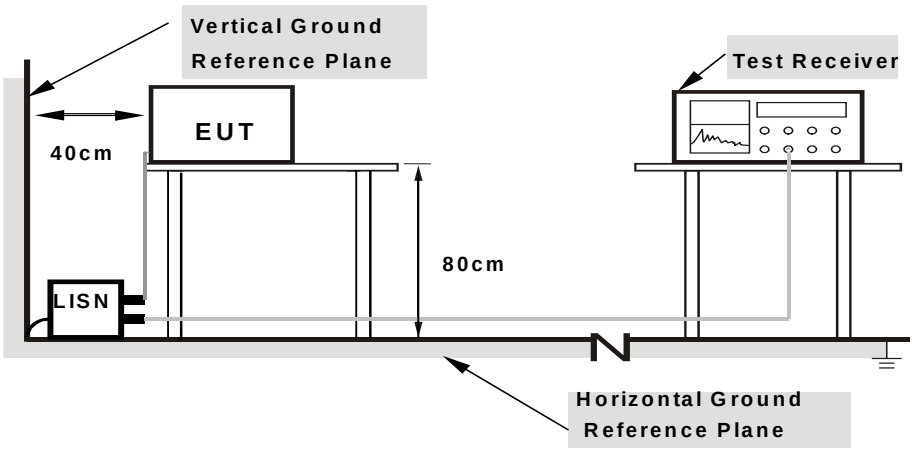
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



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

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

4.2.7 TEST RESULTS

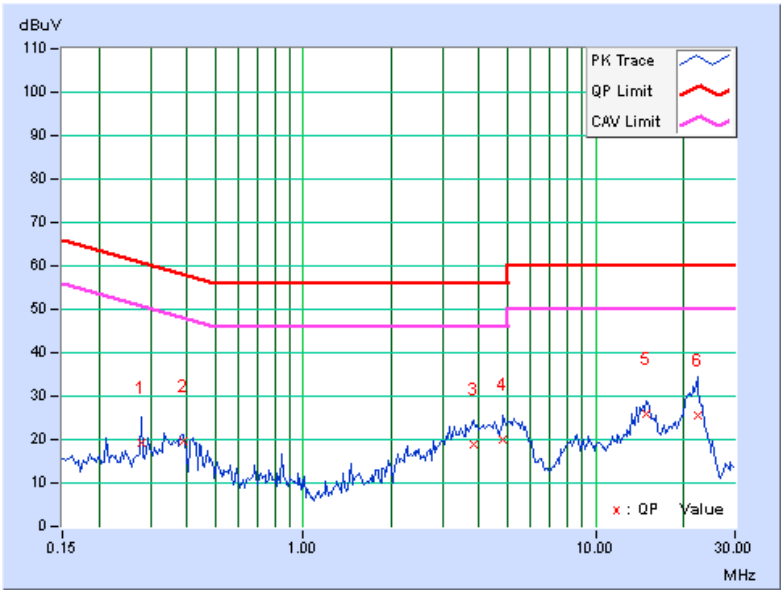
CONDUCTED WORST-CASE DATA：802.11b

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.27891	0.29	18.82	10.38	19.11	10.67	60.85	50.85	-41.74	-40.18
2	0.38828	0.30	19.20	15.39	19.50	15.69	58.10	48.10	-38.60	-32.41
3	3.80859	0.42	18.58	14.80	19.00	15.22	56.00	46.00	-37.00	-30.78
4	4.83984	0.44	19.63	15.57	20.07	16.01	56.00	46.00	-35.93	-29.99
5	14.96875	0.53	25.27	16.78	25.80	17.31	60.00	50.00	-34.20	-32.69
6	22.36719	0.56	24.83	19.31	25.39	19.87	60.00	50.00	-34.61	-30.13

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

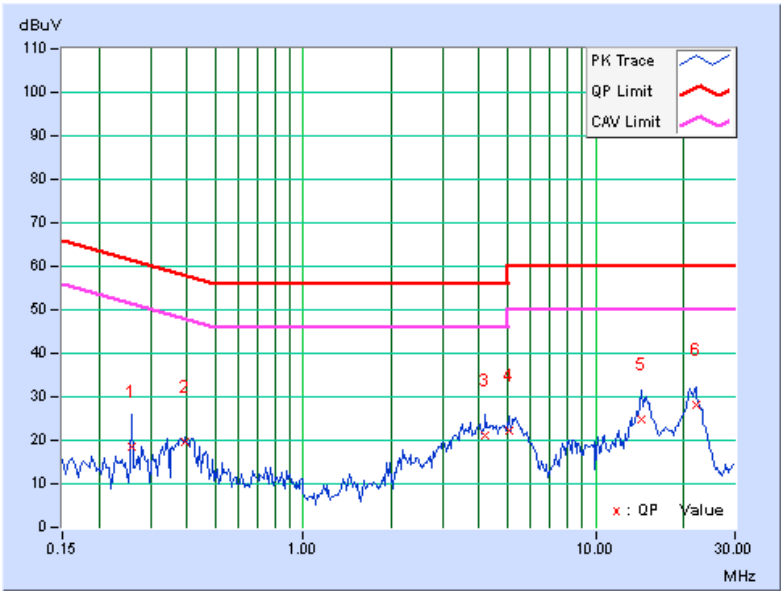


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.25938	0.29	18.20	1.00	18.49	1.29	61.45	51.45	-42.97	-50.17
2	0.39609	0.30	19.17	15.41	19.47	15.71	57.93	47.93	-38.47	-32.23
3	4.18359	0.44	20.60	16.80	21.04	17.24	56.00	46.00	-34.96	-28.76
4	5.05469	0.45	21.87	17.83	22.32	18.28	60.00	50.00	-37.68	-31.72
5	14.35156	0.56	24.24	17.59	24.80	18.15	60.00	50.00	-35.20	-31.85
6	21.98047	0.61	27.37	22.03	27.98	22.64	60.00	50.00	-32.02	-27.36

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

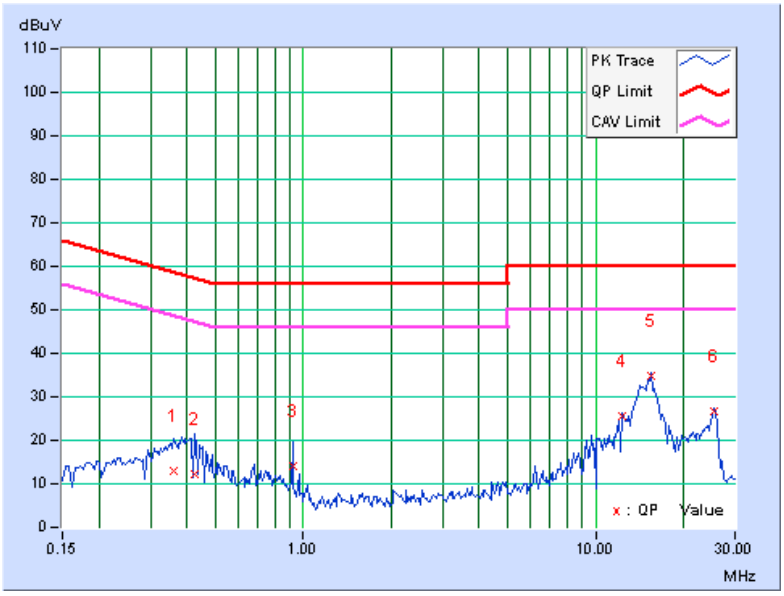


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.36094	0.30	12.70	5.37	13.00	5.67	58.71	48.71	-45.71	-43.04
2	0.42344	0.30	12.00	7.79	12.30	8.09	57.38	47.38	-45.08	-39.29
3	0.91953	0.33	13.57	10.78	13.90	11.11	56.00	46.00	-42.10	-34.89
4	12.37891	0.51	25.09	23.30	25.60	23.81	60.00	50.00	-34.40	-26.19
5	15.52344	0.54	34.18	33.62	34.72	34.16	60.00	50.00	-25.28	-15.84
6	25.32031	0.53	26.11	23.82	26.64	24.35	60.00	50.00	-33.36	-25.65

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

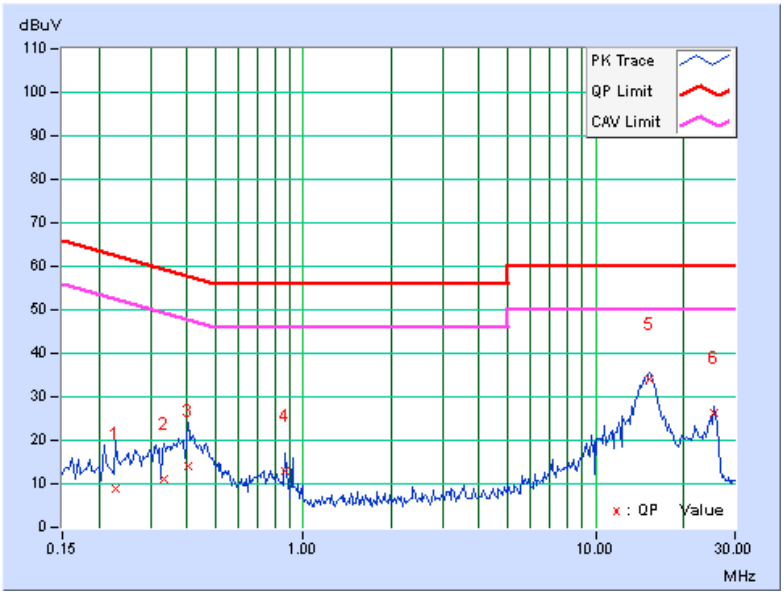


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.22812	0.28	8.63	6.16	8.91	6.44	62.52	52.52	-53.61	-46.08
2	0.33359	0.29	10.66	7.16	10.95	7.45	59.36	49.36	-48.41	-41.91
3	0.40391	0.30	13.66	5.67	13.96	5.97	57.77	47.77	-43.81	-41.80
4	0.86875	0.33	12.58	1.68	12.91	2.01	56.00	46.00	-43.09	-43.99
5	15.32813	0.57	33.60	32.99	34.17	33.56	60.00	50.00	-25.83	-16.44
6	25.57813	0.55	25.75	24.00	26.30	24.55	60.00	50.00	-33.70	-25.45

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

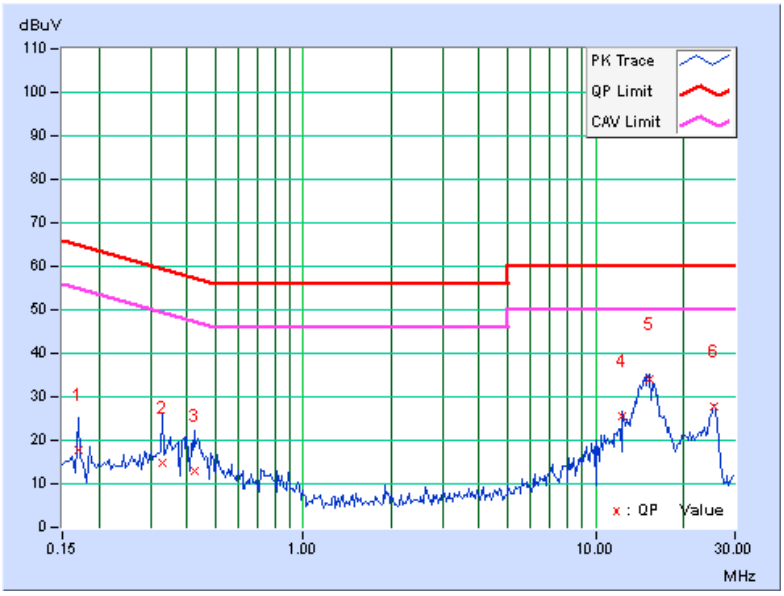


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.27	17.57	4.05	17.84	4.32	64.98	54.98	-47.14	-50.66
2	0.32969	0.29	14.52	7.18	14.81	7.47	59.46	49.46	-44.65	-41.99
3	0.42344	0.30	12.75	6.00	13.05	6.30	57.38	47.38	-44.33	-41.08
4	12.37891	0.51	24.97	23.44	25.48	23.95	60.00	50.00	-34.52	-26.05
5	15.32813	0.53	33.64	33.11	34.17	33.64	60.00	50.00	-25.83	-16.36
6	25.51563	0.53	27.27	25.26	27.80	25.79	60.00	50.00	-32.20	-24.21

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

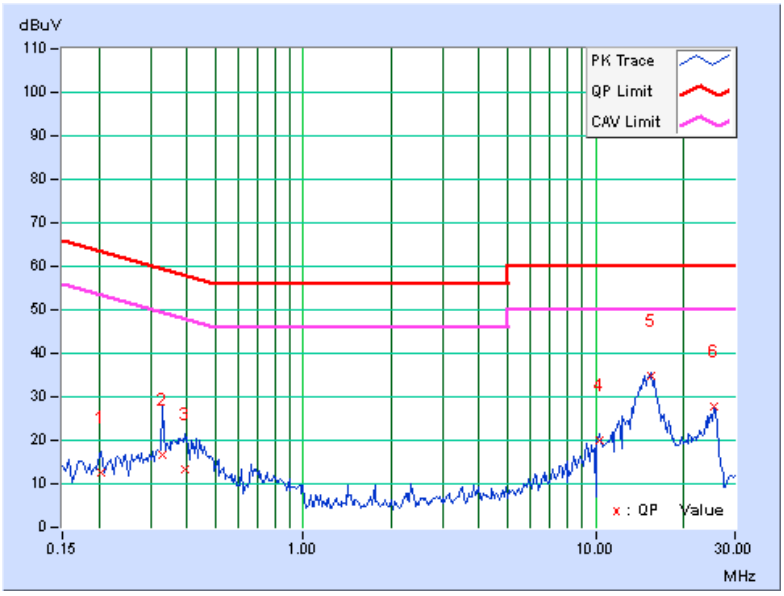


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.20469	0.28	12.47	5.41	12.75	5.69	63.42	53.42	-50.67	-47.73
2	0.32969	0.29	16.54	7.08	16.83	7.37	59.46	49.46	-42.63	-42.09
3	0.39219	0.30	13.14	5.91	13.44	6.21	58.02	48.02	-44.58	-41.81
4	10.31641	0.52	19.53	18.88	20.05	19.40	60.00	50.00	-39.95	-30.60
5	15.52344	0.57	34.18	33.68	34.75	34.25	60.00	50.00	-25.25	-15.75
6	25.51563	0.55	27.37	25.30	27.92	25.85	60.00	50.00	-32.08	-24.15

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

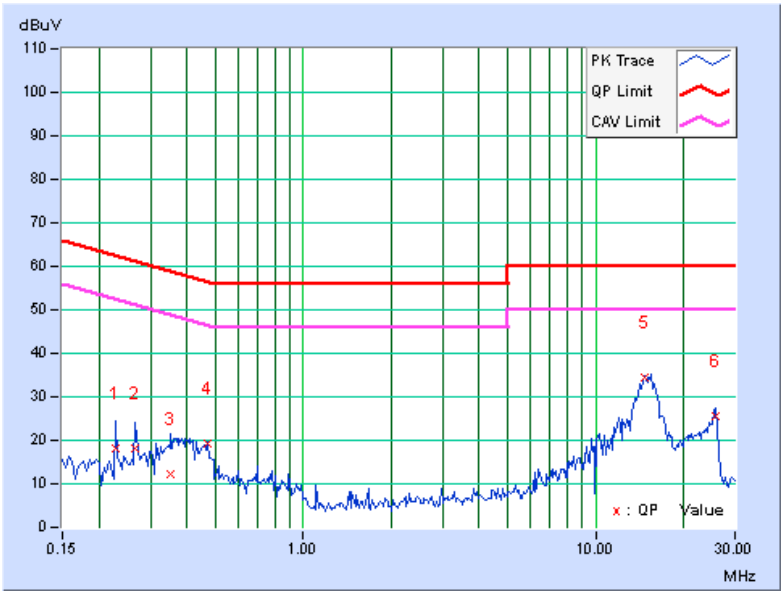


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.22812	0.28	17.99	11.07	18.27	11.35	62.52	52.52	-44.25	-41.17
2	0.26719	0.29	17.86	7.32	18.15	7.61	61.20	51.20	-43.06	-43.60
3	0.35313	0.30	11.85	6.46	12.15	6.76	58.89	48.89	-46.74	-42.13
4	0.47031	0.30	18.97	6.50	19.27	6.80	56.51	46.51	-37.23	-39.70
5	14.64063	0.53	33.78	33.51	34.31	34.04	60.00	50.00	-25.69	-15.96
6	25.77734	0.52	25.05	23.18	25.57	23.70	60.00	50.00	-34.43	-26.30

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

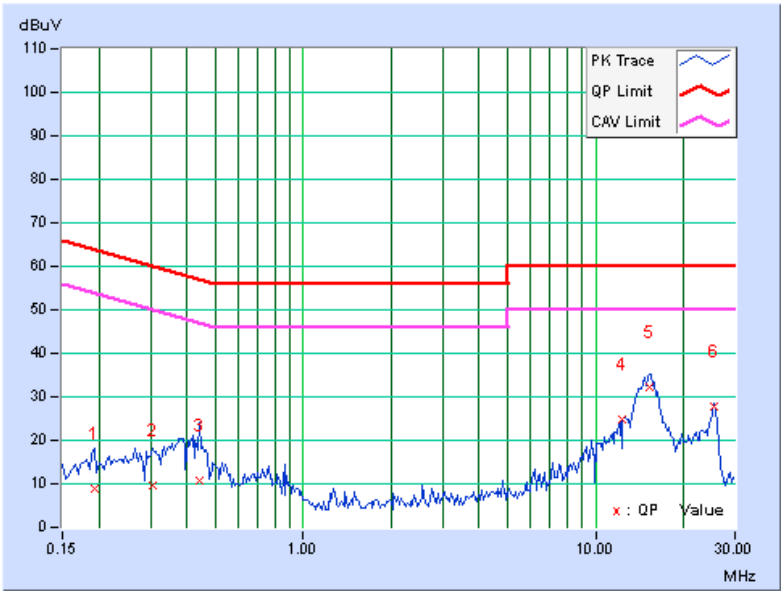


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19297	0.28	8.45	4.85	8.73	5.13	63.91	53.91	-55.18	-48.78
2	0.30625	0.29	9.46	7.39	9.75	7.68	60.07	50.07	-50.32	-42.39
3	0.43906	0.30	10.54	1.05	10.84	1.35	57.08	47.08	-46.24	-45.73
4	12.37916	0.54	24.34	23.34	24.88	23.88	60.00	50.00	-35.12	-26.12
5	15.33203	0.57	31.61	30.80	32.18	31.37	60.00	50.00	-27.82	-18.63
6	25.51563	0.55	27.15	25.14	27.70	25.69	60.00	50.00	-32.30	-24.31

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

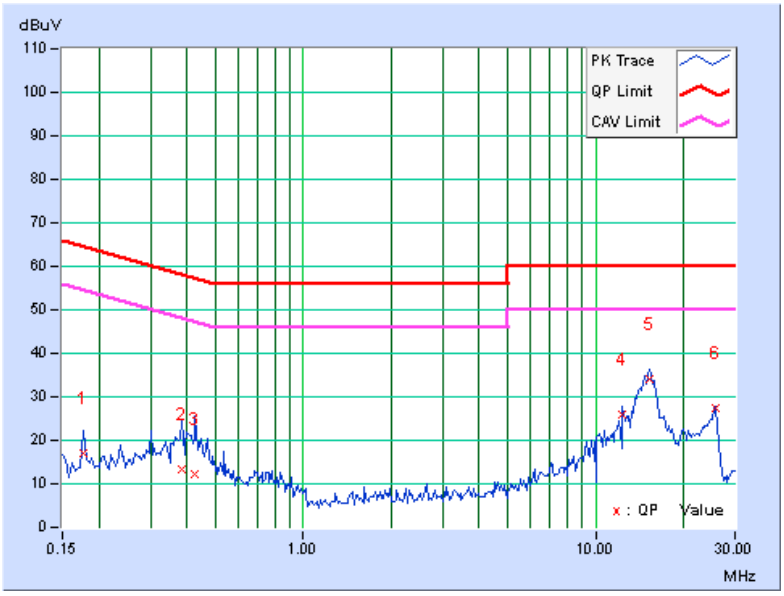


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	E		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	16.90	2.69	17.17	2.96	64.61	54.61	-47.44	-51.65
2	0.38438	0.30	13.14	6.30	13.44	6.60	58.18	48.18	-44.75	-41.59
3	0.42734	0.30	12.00	6.14	12.30	6.44	57.30	47.30	-45.00	-40.86
4	12.37891	0.51	25.57	23.64	26.08	24.15	60.00	50.00	-33.92	-25.85
5	15.32813	0.53	33.62	33.09	34.15	33.62	60.00	50.00	-25.85	-16.38
6	25.71094	0.52	26.89	24.74	27.41	25.26	60.00	50.00	-32.59	-24.74

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

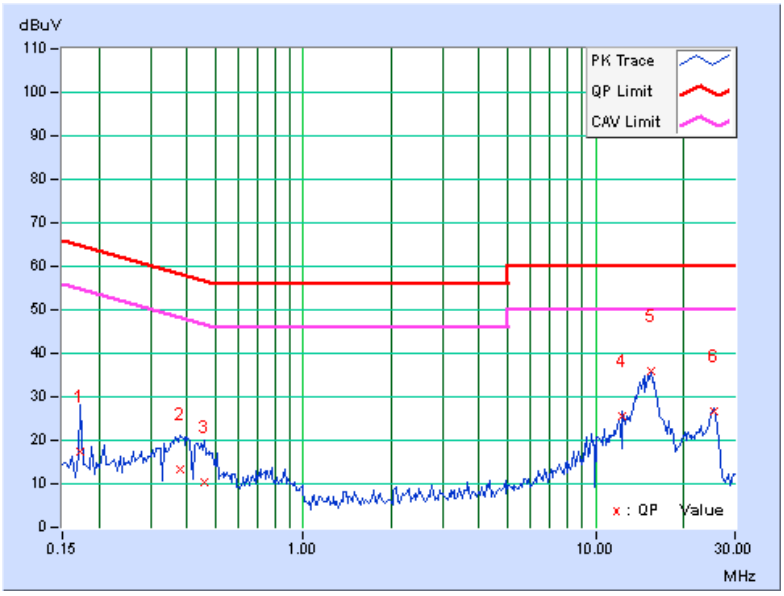


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	E		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.27	17.03	2.78	17.30	3.05	64.79	54.79	-47.49	-51.74
2	0.38047	0.30	13.00	6.32	13.30	6.62	58.27	48.27	-44.97	-41.65
3	0.45859	0.30	10.07	6.29	10.37	6.59	56.72	46.72	-46.34	-40.12
4	12.37891	0.54	25.05	24.38	25.59	24.92	60.00	50.00	-34.41	-25.08
5	15.52344	0.57	35.18	32.64	35.75	33.21	60.00	50.00	-24.25	-16.79
6	25.28516	0.56	26.13	22.61	26.69	23.17	60.00	50.00	-33.31	-26.83

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

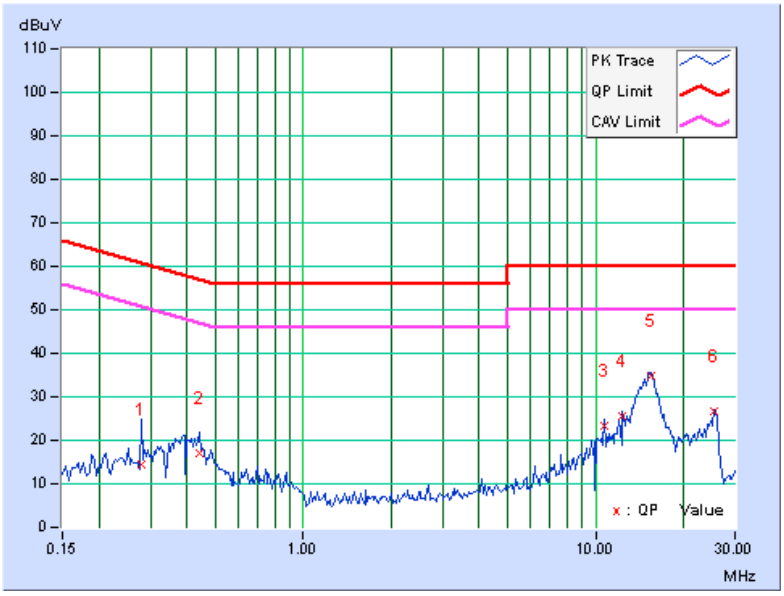


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	F		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.27891	0.29	14.00	2.02	14.29	2.31	60.85	50.85	-46.56	-48.54
2	0.43906	0.30	16.57	6.11	16.87	6.41	57.08	47.08	-40.21	-40.67
3	10.71094	0.50	23.00	20.00	23.50	20.50	60.00	50.00	-36.50	-29.50
4	12.37891	0.51	24.97	23.34	25.48	23.85	60.00	50.00	-34.52	-26.15
5	15.52344	0.54	34.15	33.68	34.69	34.22	60.00	50.00	-25.31	-15.78
6	25.32031	0.53	26.27	23.88	26.80	24.41	60.00	50.00	-33.20	-25.59

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

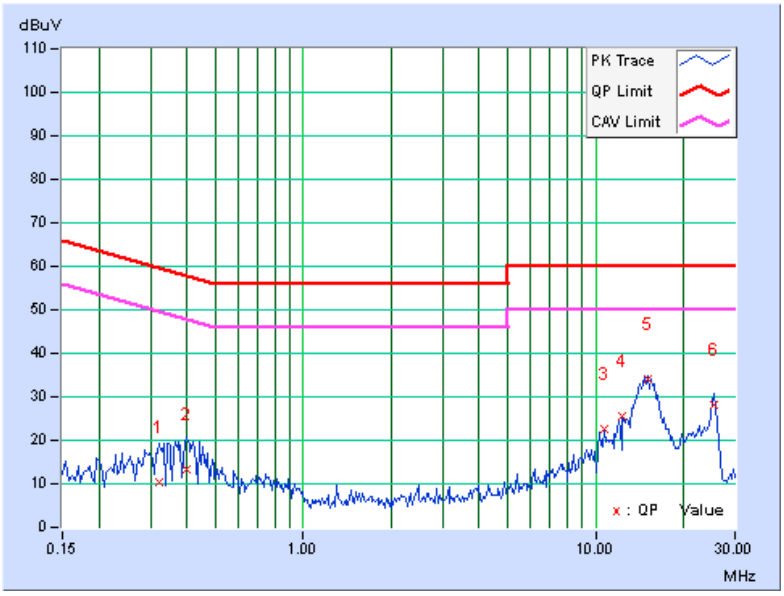


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	F		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.32188	0.29	10.08	7.14	10.37	7.43	59.66	49.66	-49.29	-42.23
2	0.40000	0.30	13.02	2.10	13.32	2.40	57.85	47.85	-44.53	-45.45
3	10.71094	0.53	21.99	19.68	22.52	20.21	60.00	50.00	-37.48	-29.79
4	12.37891	0.54	25.01	23.46	25.55	24.00	60.00	50.00	-34.45	-26.00
5	15.03516	0.57	33.52	33.01	34.09	33.58	60.00	50.00	-25.91	-16.42
6	25.51563	0.55	27.47	25.40	28.02	25.95	60.00	50.00	-31.98	-24.05

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

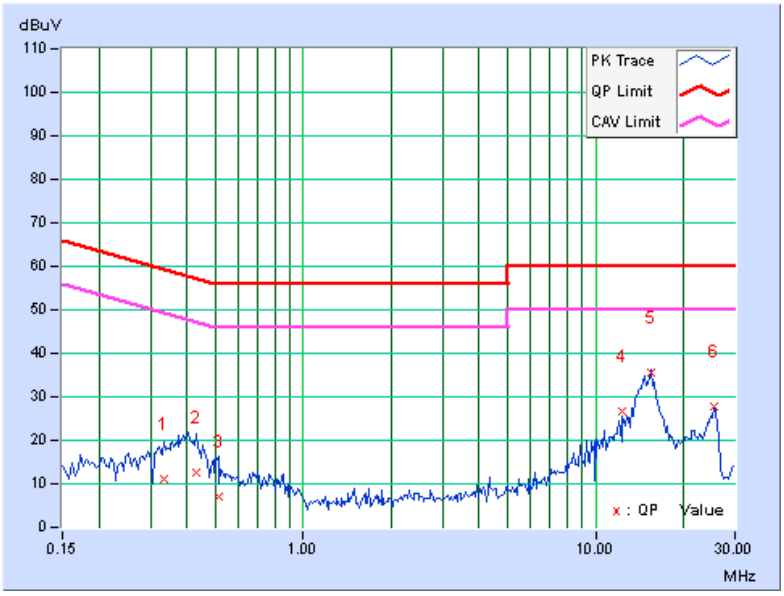


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	G		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.33359	0.29	10.84	7.12	11.13	7.41	59.36	49.36	-48.23	-41.95
2	0.43125	0.30	12.14	5.91	12.44	6.21	57.23	47.23	-44.79	-41.02
3	0.51328	0.31	6.62	5.17	6.93	5.48	56.00	46.00	-49.07	-40.52
4	12.37891	0.51	26.07	24.24	26.58	24.75	60.00	50.00	-33.42	-25.25
5	**15.52344**	**0.54**	**35.17**	**34.74**	**35.71**	**35.28**	**60.00**	**50.00**	**-24.29**	**-14.72**
6	25.31641	0.53	27.19	24.19	27.72	24.72	60.00	50.00	-32.28	-25.28

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

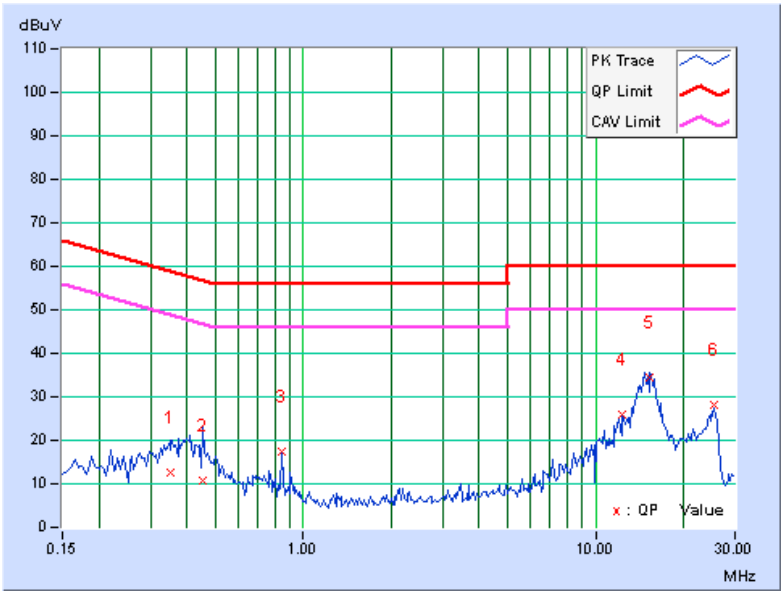


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	G		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.34922	0.29	12.14	6.39	12.43	6.68	58.98	48.98	-46.55	-42.30
2	0.45469	0.30	10.31	5.90	10.61	6.20	56.79	46.79	-46.18	-40.59
3	0.84922	0.33	16.99	10.44	17.32	10.77	56.00	46.00	-38.68	-35.23
4	12.37891	0.54	25.37	23.30	25.91	23.84	60.00	50.00	-34.09	-26.16
5	15.32813	0.57	33.69	33.13	34.26	33.70	60.00	50.00	-25.74	-16.30
6	25.51563	0.55	27.45	25.42	28.00	25.97	60.00	50.00	-32.00	-24.03

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

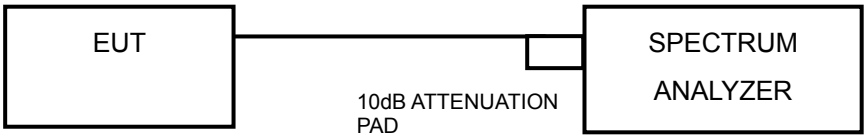


4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST SETUP



4.3.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

4.3.4 TEST PROCEDURE

a. Set resolution bandwidth (RBW) = 100kHz
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

4.3.5 DEVIATION FROM TEST STANDARD

No deviation.

4.3.6 EUT OPERATING CONDITIONS

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

4.3.7 TEST RESULTS

TEST MODE A

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.07	10.11	10.08	0.5	PASS
6	2437	10.14	10.11	10.12	0.5	PASS
11	2462	10.12	10.12	10.12	0.5	PASS

802.11g

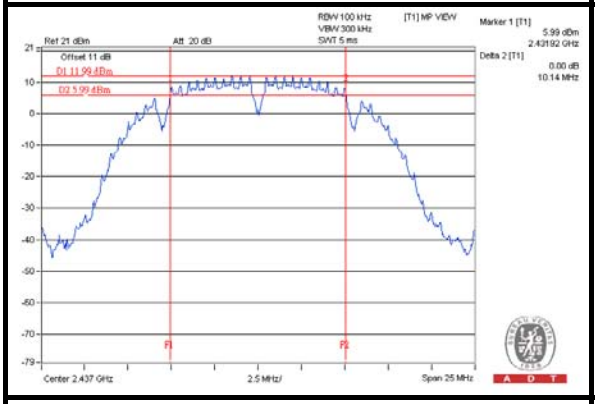
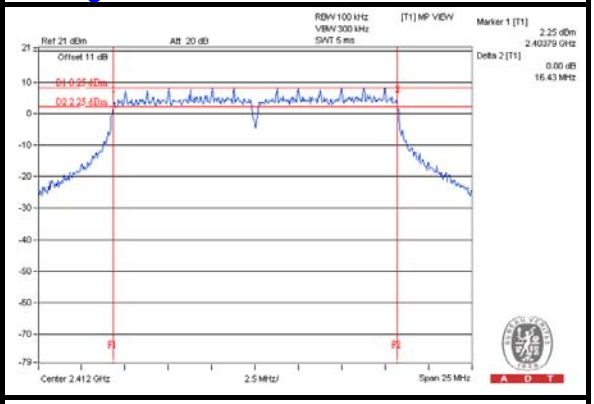
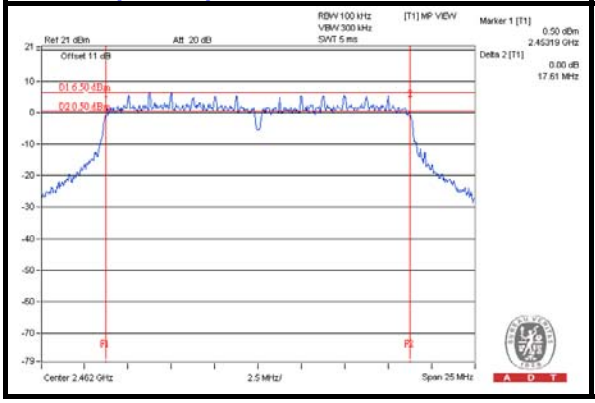
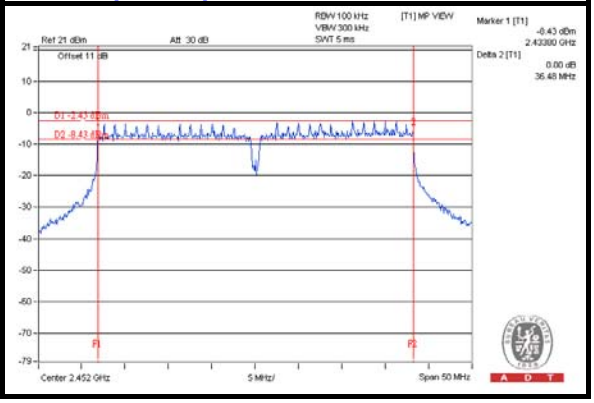
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.43	16.41	16.39	0.5	PASS
6	2437	16.38	16.38	16.38	0.5	PASS
11	2462	16.39	16.40	16.40	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.60	17.61	17.36	0.5	PASS
6	2437	17.60	17.32	17.61	0.5	PASS
11	2462	17.61	17.61	17.60	0.5	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
3	2422	35.89	36.37	36.39	0.5	PASS
6	2437	36.45	33.19	33.18	0.5	PASS
9	2452	36.47	36.07	36.48	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11b	802.11g
	
802.11n (20MHz)	802.11n (40MHz)
	

TEST MODE B

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.06	10.09	10.09	0.5	PASS
6	2437	10.13	10.11	10.12	0.5	PASS
11	2462	10.11	10.09	10.11	0.5	PASS

802.11g

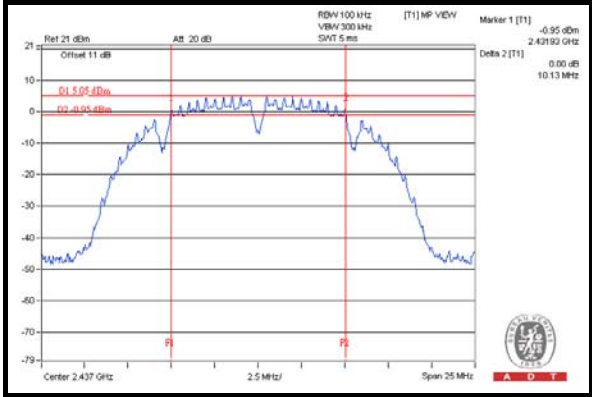
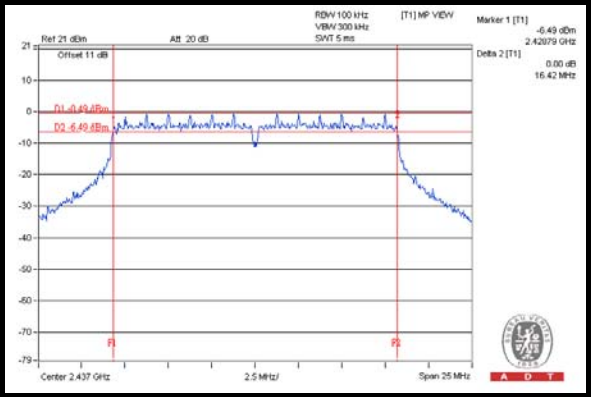
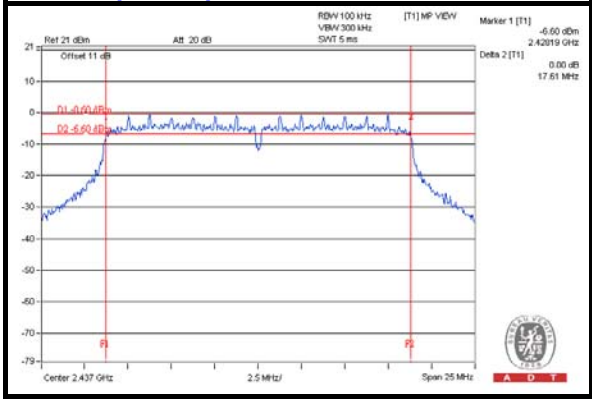
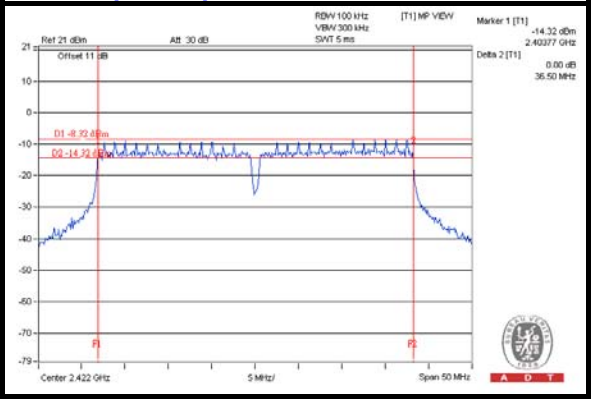
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.38	16.42	16.42	0.5	PASS
6	2437	16.42	16.38	16.39	0.5	PASS
11	2462	16.37	16.39	16.39	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.61	17.60	17.61	0.5	PASS
6	2437	17.61	17.60	17.36	0.5	PASS
11	2462	17.61	17.29	17.61	0.5	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
3	2422	36.50	35.94	35.87	0.5	PASS
6	2437	36.47	36.48	36.45	0.5	PASS
9	2452	36.46	36.42	36.47	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11b	802.11g
	
802.11n (20MHz)	802.11n (40MHz)
	

TEST MODE C

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.07	10.12	9.62	0.5	PASS
6	2437	10.11	10.08	10.12	0.5	PASS
11	2462	10.11	10.12	10.10	0.5	PASS

802.11g

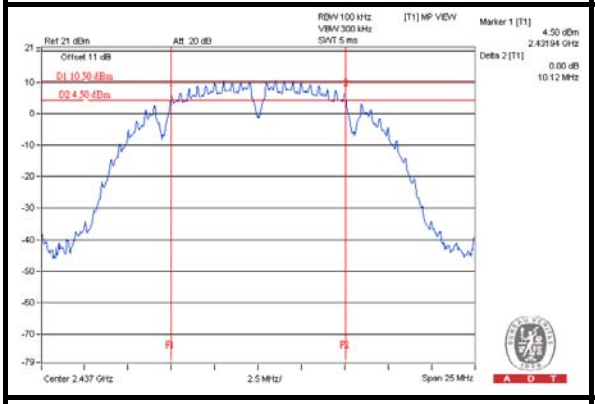
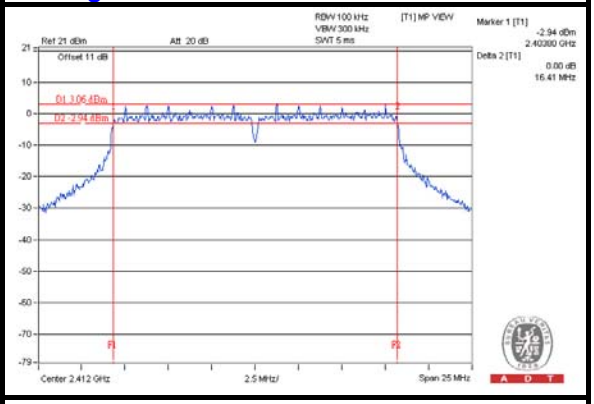
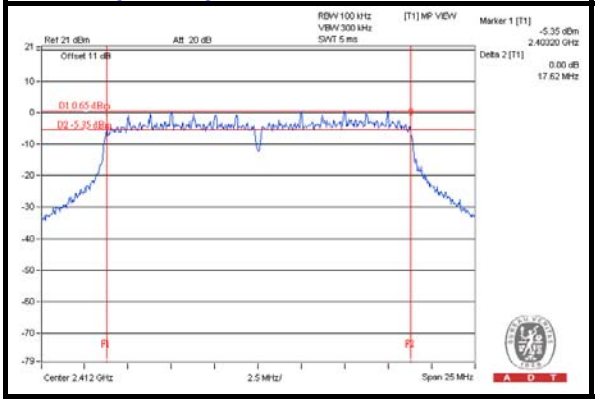
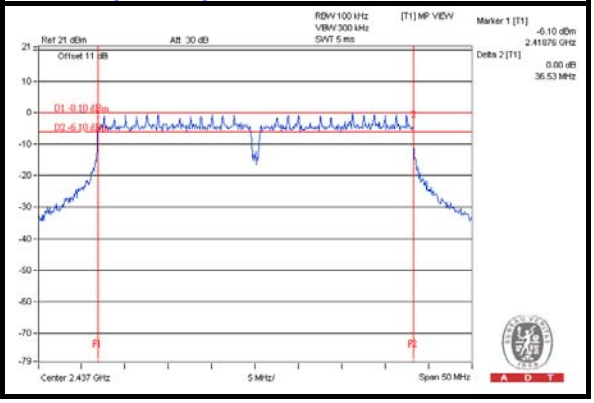
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.41	16.41	16.39	0.5	PASS
6	2437	16.38	16.37	16.40	0.5	PASS
11	2462	16.39	16.38	16.41	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.58	17.35	17.62	0.5	PASS
6	2437	17.37	17.59	17.61	0.5	PASS
11	2462	17.37	17.35	17.61	0.5	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
3	2422	36.49	34.78	36.16	0.5	PASS
6	2437	36.53	36.20	36.42	0.5	PASS
9	2452	36.53	36.48	36.47	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11b	802.11g
	
802.11n (20MHz)	802.11n (40MHz)
	

TEST MODE D

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.12	10.10	10.10	0.5	PASS
6	2437	10.13	10.09	10.12	0.5	PASS
11	2462	10.13	10.11	10.13	0.5	PASS

802.11g

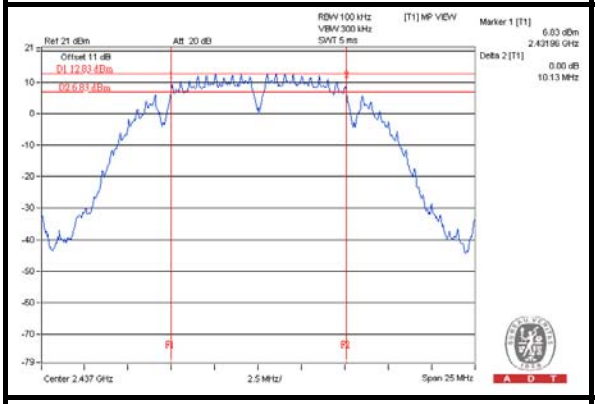
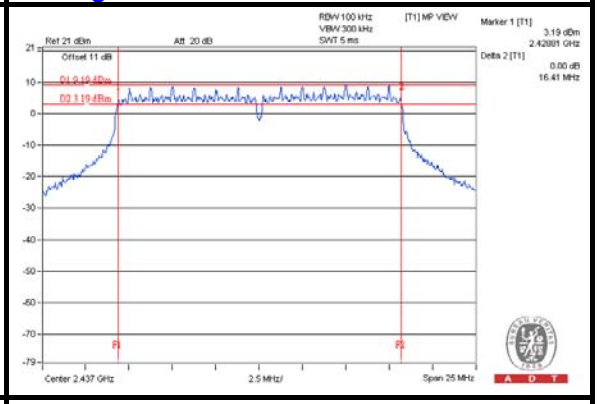
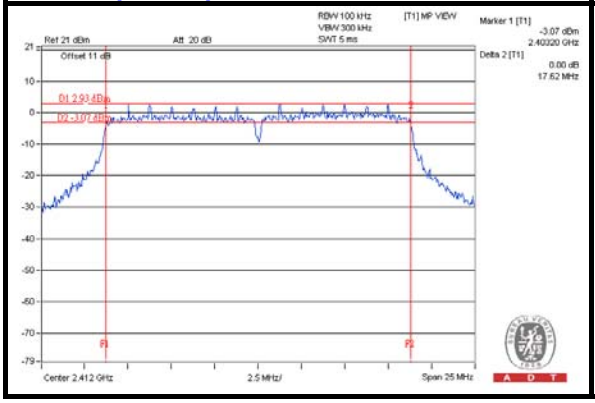
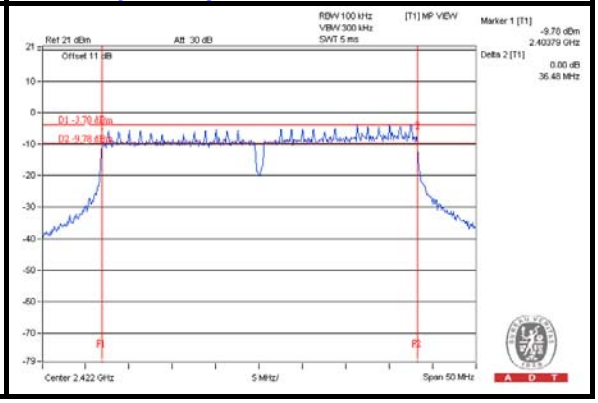
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.38	16.38	16.41	0.5	PASS
6	2437	16.39	16.39	16.41	0.5	PASS
11	2462	16.40	16.37	16.39	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.62	17.62	16.99	0.5	PASS
6	2437	17.58	17.62	17.61	0.5	PASS
11	2462	17.59	17.60	17.60	0.5	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
3	2422	36.44	35.87	36.48	0.5	PASS
6	2437	36.47	36.45	36.46	0.5	PASS
9	2452	36.46	36.43	36.47	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11b	802.11g
	
802.11n (20MHz)	802.11n (40MHz)
	

TEST MODE E

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2412	10.09	10.07	0.5	PASS
6	2437	10.12	10.09	0.5	PASS
11	2462	10.12	10.13	0.5	PASS

802.11g

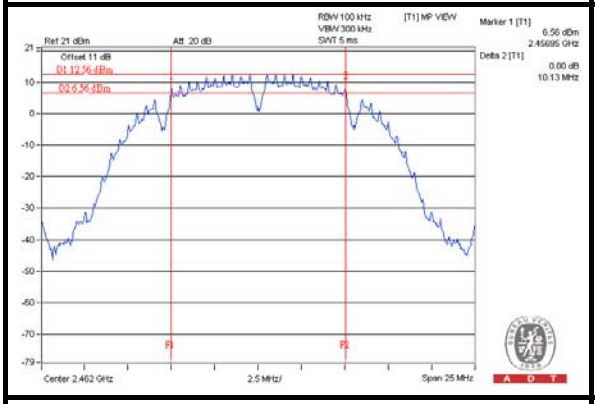
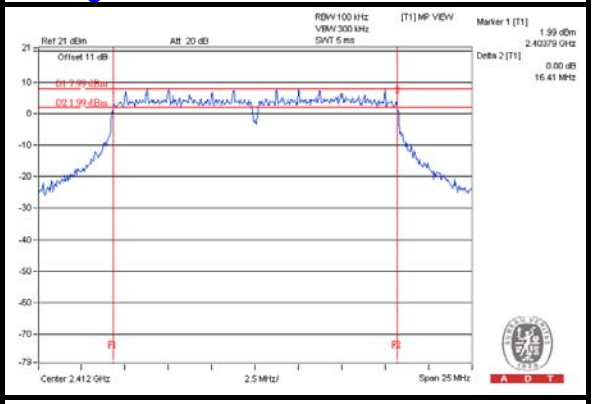
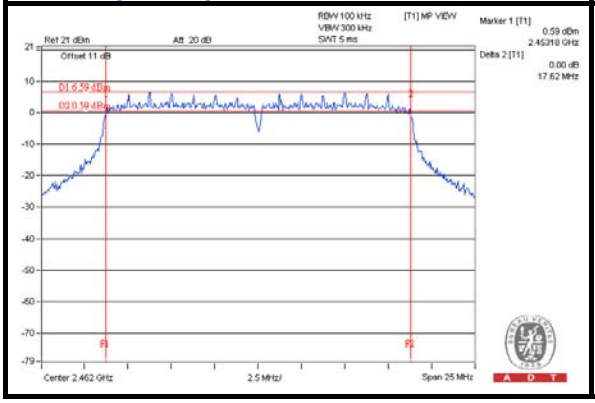
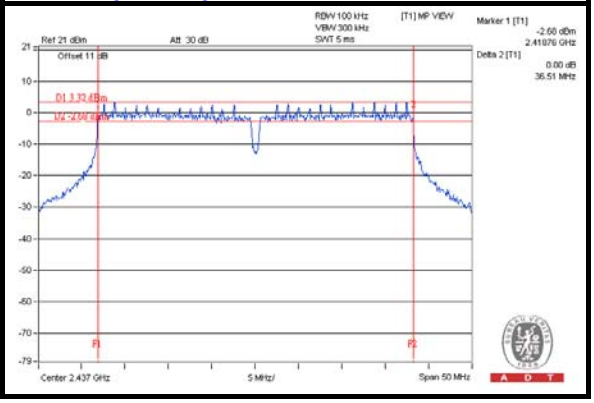
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2412	16.41	16.41	0.5	PASS
6	2437	16.39	16.36	0.5	PASS
11	2462	16.39	16.41	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2412	17.61	17.60	0.5	PASS
6	2437	17.58	17.34	0.5	PASS
11	2462	17.62	17.61	0.5	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
3	2422	36.49	35.93	0.5	PASS
6	2437	36.51	36.14	0.5	PASS
9	2452	36.47	36.47	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11b	802.11g
	
802.11n (20MHz)	802.11n (40MHz)
	

TEST MODE F

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.09	10.12	10.11	0.5	PASS
6	2437	10.13	9.62	10.12	0.5	PASS
11	2462	10.11	10.12	10.11	0.5	PASS

802.11g

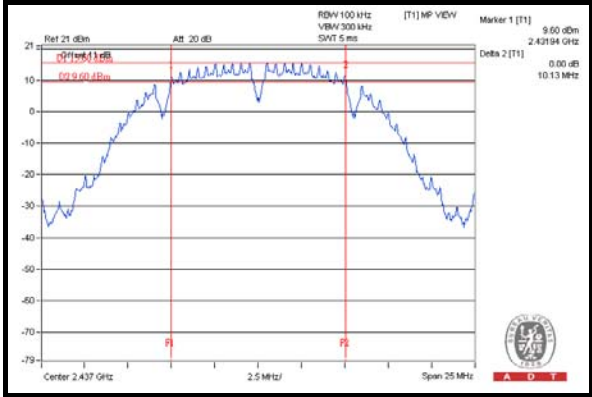
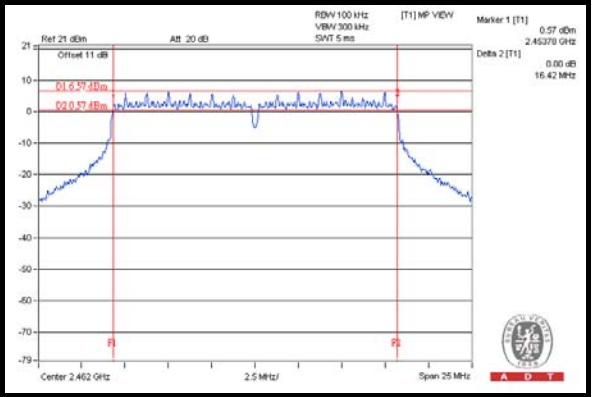
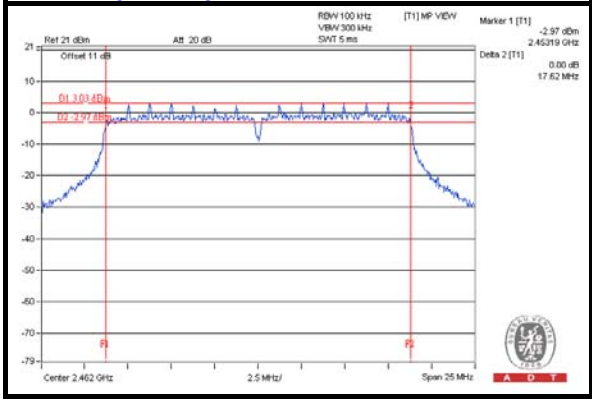
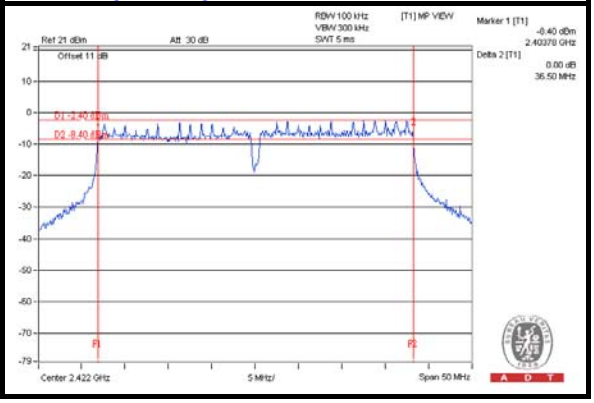
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.38	16.08	16.39	0.5	PASS
6	2437	16.37	16.40	16.38	0.5	PASS
11	2462	16.38	16.40	16.42	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.36	17.59	17.35	0.5	PASS
6	2437	17.60	17.60	17.35	0.5	PASS
11	2462	17.61	17.62	17.61	0.5	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
3	2422	35.89	36.50	35.93	0.5	PASS
6	2437	35.89	36.13	36.47	0.5	PASS
9	2452	36.48	36.21	36.46	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11b	802.11g
	
802.11n (20MHz)	802.11n (40MHz)
	

TEST MODE G

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.11	10.07	10.07	0.5	PASS
6	2437	10.11	10.11	10.10	0.5	PASS
11	2462	10.10	10.12	10.11	0.5	PASS

802.11g

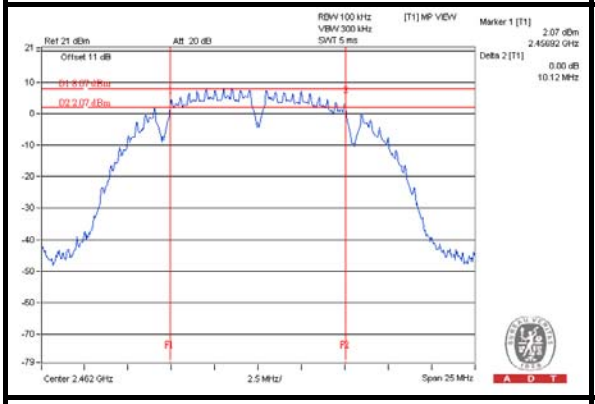
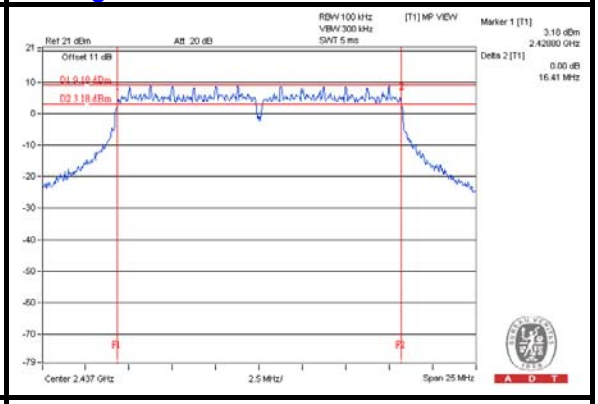
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.38	16.41	16.39	0.5	PASS
6	2437	16.41	16.40	16.40	0.5	PASS
11	2462	16.40	16.40	16.40	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.56	17.34	17.62	0.5	PASS
6	2437	17.61	16.99	17.60	0.5	PASS
11	2462	17.61	17.60	17.60	0.5	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
3	2422	36.49	35.84	36.44	0.5	PASS
6	2437	36.43	35.84	36.17	0.5	PASS
9	2452	36.47	36.45	36.45	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11b	802.11g
	
802.11n (20MHz)	802.11n (40MHz)