FCC TEST REPORT (15.407)

REPORT NO.:	RF121009E03B-1
MODEL NO.:	WN6500RH
FCC ID:	SUZ-WN6500RHN
RECEIVED:	Oct. 09, 2012
TESTED:	Oct. 22, 2012 ~ Jan. 05, 2013
ISSUED:	Jan. 10, 2013

APPLICANT:	Coretronic Corp.
ADDRESS:	No. 11, Li Hsing Rd, Science-Based Industrial Park, Hsinchu, Taiwan.
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
RF121009E03B-1	Original release	Jan. 10, 2013

1. CERTIFICATION

PRODUCT: 802.11n, Dual Band, 2T2R Wireless LAN PCI Express Half Mini Module

MODEL: WN6500RH

BRAND: Coretronic

APPLICANT: Coretronic Corp.

TESTED: Oct. 22, 2012 ~ Jan. 05, 2013

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: **FCC Part 15, Subpart E (Section 15.407)**
ANSI C63.10-2009

The above equipment (model: WN6500RH) 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 : _____ , DATE : Jan. 10, 2013
Ivy Lin / Specialist

APPROVED BY : _____ , DATE : Jan. 10, 2013
Ken Liu / Manager

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407)			
STANDARD SECTION	**TEST TYPE**	**RESULT**	**REMARK**
15.407(b)(6)	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -7.59dB at 0.32595MHz.
15.407(b/1/2/3)(b)(6)	Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 5350.00MHz.
15.407(a/1/2)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(6)	Peak Power Excursion	PASS	Meet the requirement of limit.
15.407(a/1/2)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is I-PEX not a standard connector.

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	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 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	802.11n, Dual Band, 2T2R Wireless LAN PCI Express Half Mini Module
MODEL NO.	WN6500RH
POWER SUPPLY	3.3Vdc (Host equipment)
MODULATION TYPE	64QAM, 16QAM, QPSK, BPSK
MODULATION TECHNOLOGY	OFDM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300.0Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz & 5500 ~ 5700MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11a, 802.11n (20MHz) 2 for 802.11n (40MHz) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n (20MHz) 2 for 802.11n (40MHz) 5500 ~ 5700MHz: 11 for 802.11a, 802.11n (20MHz) 5 for 802.11n (40MHz)
OUTPUT POWER	30.779mW for 5180 ~ 5240MHz 32.103mW for 5260 ~ 5320MHz 31.459mW for 5500 ~ 5700MHz
ANTENNA TYPE	Refer to Note
ANTENNA CONNECTOR	I-PEX
DATA CABLE	N/A
I/O PORTS	Refer to user's manual
ACCESSORY DEVICES	N/A

NOTE:

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

MODULATION MODE	TX FUNCTION
802.11b	1TX
802.11g	1TX
802.11a	1TX
802.11n (20MHz) (MCS 0)	1TX
802.11n (20MHz) (MCS 8)	2TX
802.11n (40MHz) (MCS 0)	1TX
802.11n (40MHz) (MCS 8)	2TX

2. The following antennas are provided to the EUT.

Antenna type	Antenna gain (dBi)					
	2.4GHz	5150GHz	5.18 ~ 5.24GHz	5.26 ~ 5.32GHz	5.50 ~ 5.70GHz	5745 ~5825MHz
PIFA	1.9	2.21	2.59	3.94	3.73	4.21
Monopole	4.83	5.91	6.08	6.15	5.71	5.67

* The monopole antenna with high antenna gain is for final test.

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

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

FOR 5500 ~ 5700MHz

11 channels are provided for 802.11a, 802.11n (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz		

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510MHz	126	5630MHz
110	5550MHz	134	5670MHz
118	5590MHz		

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
A 1	√	-	-	-	PIFA antenna: 1 TX
A 2	√	√	√	-	PIFA antenna: 2 TX
B 1	√	-	-	√	Monopole antenna: 1 TX
B 2	√	√	√	√	Monopole antenna: 2 TX

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

NOTE:

1. For PIFA antenna, the antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane.**
2. For Monopole antenna, the antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane.**
3. "-"means no effect.

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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
A 1, B 1	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0	1TX
A 1, B 1	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	6.5	1TX
A 2, B 2	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	13.0	2TX
A 1, B 1	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	13.5	1TX
A 2, B 2	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	27.0	2TX
A 1, B 1	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6.0	1TX
A 1, B 1	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	6.5	1TX
A 2, B 2	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	13.0	2TX
A 1, B 1	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	13.5	1TX
A 2, B 2	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	27.0	2TX
A 1, B 1	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0	1TX
A 1, B 1	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	6.5	1TX
A 2, B 2	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	13.0	2TX
A 1, B 1	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	13.5	1TX
A 2, B 2	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	27.0	2TX

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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
A 2, B 2	802.11n (20MHz)	5180-5320	36 to 64	64	OFDM	BPSK	13.0	2TX
A 2, B 2	802.11n (20MHz)	5500-5700	100 to 140	140	OFDM	BPSK	13.0	2TX

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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
A 2, B 2	802.11n (20MHz)	5180-5320	36 to 64	64	OFDM	BPSK	13.0	2TX
A 2, B 2	802.11n (20MHz)	5500-5700	100 to 140	140	OFDM	BPSK	13.0	2TX

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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
B 1	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0	1TX
B 1	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	6.5	1TX
B 2	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	13.0	2TX
B 1	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	13.5	1TX
B 2	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	27.0	2TX
B 1	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6.0	1TX
B 1	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	6.5	1TX
B 2	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	13.0	2TX
B 1	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	13.5	1TX
B 2	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	27.0	2TX
B 1	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0	1TX
B 1	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	6.5	1TX
B 2	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	13.0	2TX
B 1	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	13.5	1TX
B 2	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	27.0	2TX

TEST CONDITION:

APPLICABLE TO	TEST MODE	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	A 1, A 2	25deg. C, 67%RH	120Vac, 60Hz	Cedric Wu, Chris Lin
	B 1, B 2	25deg. C, 68%RH	120Vac, 60Hz	Antony Lee, Match Tsui
RE<1G	A 2	25deg. C, 67%RH	120Vac, 60Hz	Cedric Wu
	B 2	24deg. C, 64%RH	120Vac, 60Hz	Match Tsui
PLC	A 2	25deg. C, 65%RH	120Vac, 60Hz	Chris Lin
	B 2	24deg. C, 64%RH	120Vac, 60Hz	Match Tsui
APCM	B 1, B 2	25deg. C, 60%RH	120Vac, 60Hz	Frank Liu

3.3 DUTY CYCLE OF TEST SIGNAL

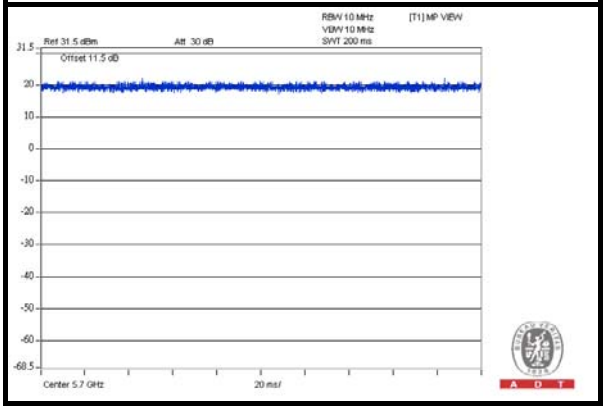
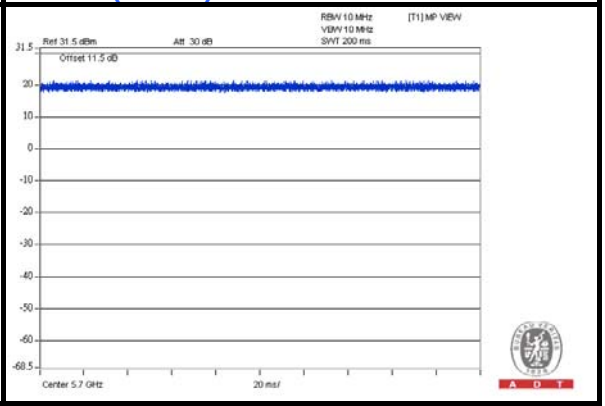
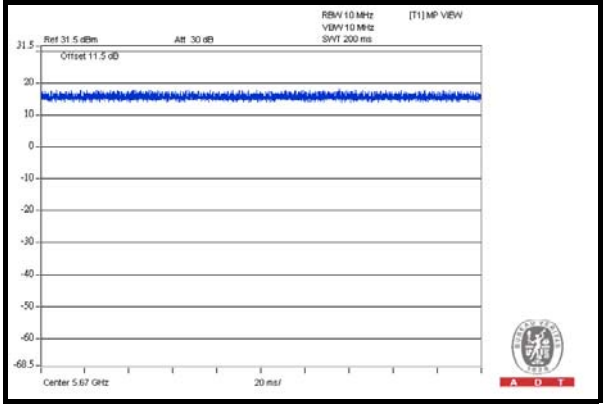
Duty cycle of test signal is > 98 %, duty factor is not required.

For 1 TX

802.11a: Duty cycle > 98 %

802.11n (20MHz): Duty cycle > 98 %

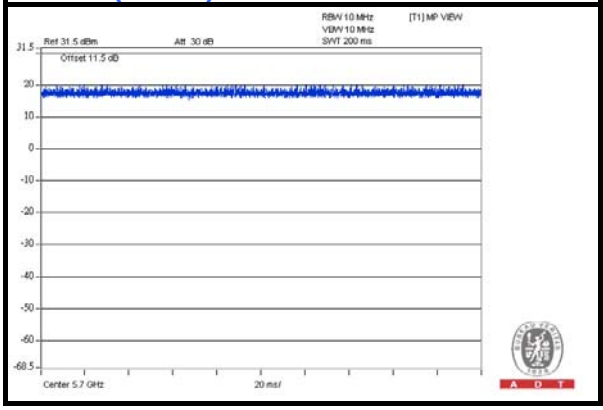
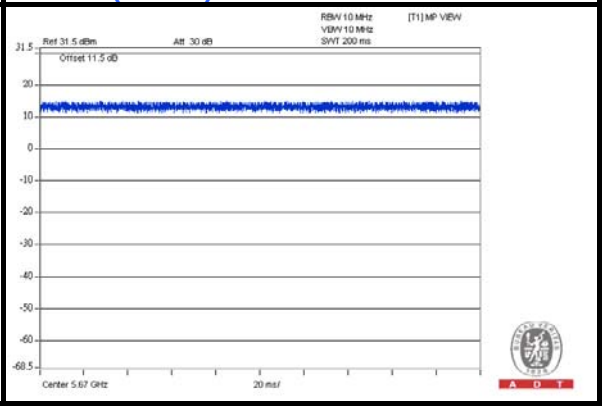
802.11n (40MHz): Duty cycle > 98 %

802.11a	802.11n (20MHz)
	
802.11n (40MHz)	
	

For 2 TX

802.11n (20MHz): Duty cycle > 98 %

802.11n (40MHz): Duty cycle > 98 %

802.11n (20MHz)	802.11n (40MHz)
	

3.4 DESCRIPTION OF SUPPORT UNITS

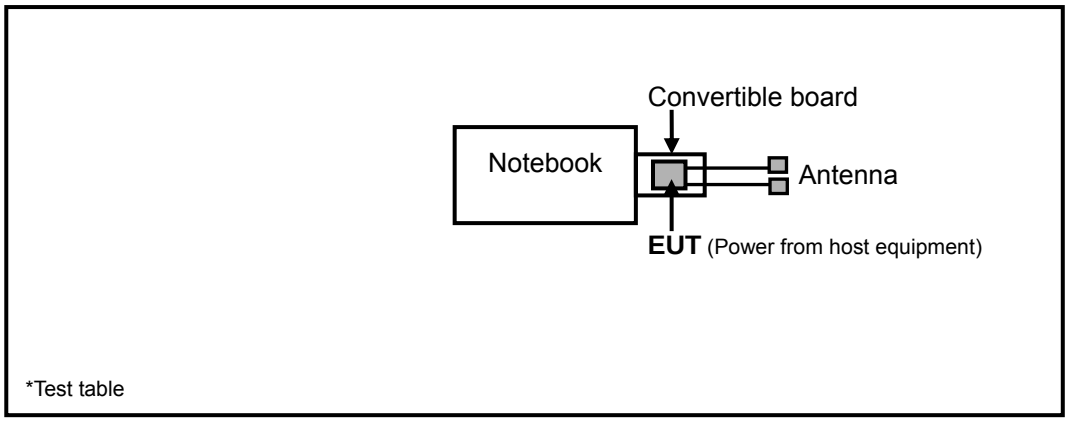
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK	DELL	E5420	BPQ8MQ1	NA
2	CONVERTIBLE BOARD	NA	NA	NA	NA

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

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

3.4.1 CONFIGURATION OF SYSTEM UNDER TEST



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 E (15.407)
789033 D01 General UNII Test Procedures v01r02
662911 D01 Multiple Transmitter Output v01 r02
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:

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 20dB under any condition of modulation.

4.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
√	FIELD STRENGTH AT 3m (dBµV/m)	
	PK	AV
	74	54
	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m)
	PK	PK
	-27	68.3

NOTE: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ µV/m, where P is the eirp (Watts).

4.1.3 TEST INSTRUMENTS

Test date: Oct. 22 ~ Dec. 10, 2012

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCI	100744	Apr. 19, 2012	Apr. 18, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jan. 30, 2012	Jan. 29, 2013
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Apr. 03, 2012	Apr. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Sep. 12, 2012	Sep. 11, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 11, 2012	Jul. 10, 2013
Preamplifier Agilent	8449B	3008A01975	Mar. 03, 2012	Mar. 02, 2013
Preamplifier Agilent	8447D	944A10663	May 11, 2012	May 10, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	295013/4 283403/4	Aug. 28, 2012	Aug. 27, 2013
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 11, 2012	Aug. 10, 2013
Software	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn Table Controller EMCO	2090	NA	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	980116	Jan. 02, 2012	Jan. 01, 2013

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 9.

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 460141.

5. The IC Site Registration No. is IC 7450F-4.

4.1.4 TEST PROCEDURES

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

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

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

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

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

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

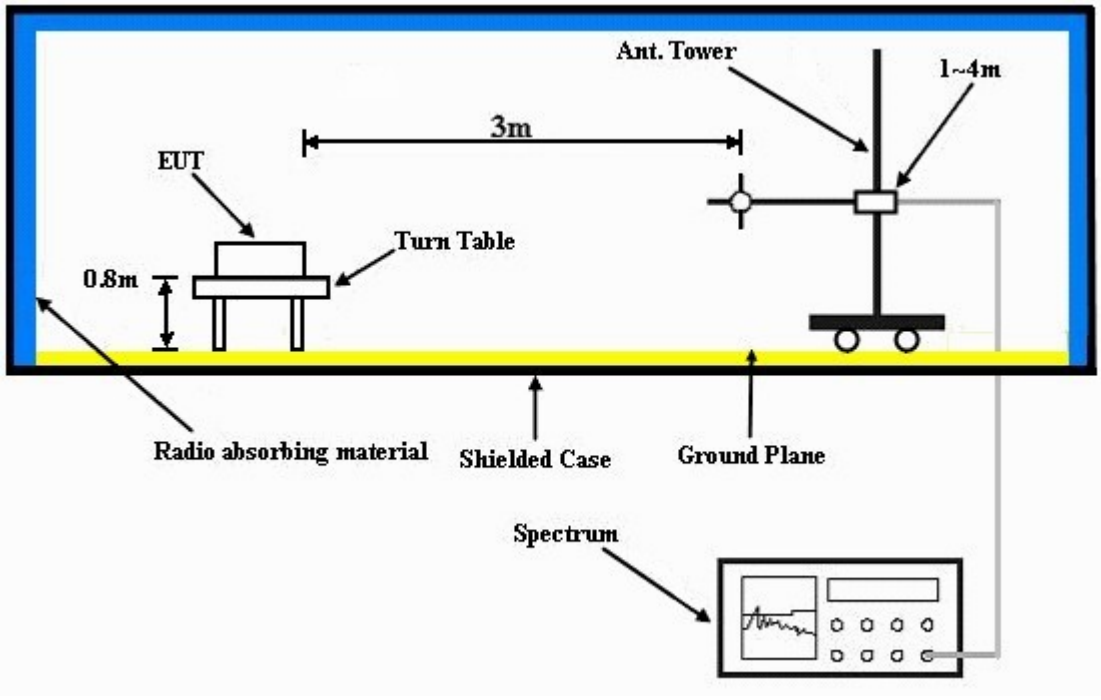
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth 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 1kHz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.5 DEVIATION FROM TEST STANDARD

No deviation.

4.1.6 TEST SETUP



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

4.1.7 EUT OPERATING CONDITION

a. Plugged EUT into notebook system and placed 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.

4.1.8 TEST RESULTS

PIFA Antenna_1 TX

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5150.00	60.0 PK	74.0	-14.0	1.09 H	173	21.40	38.60
2	5150.00	47.1 AV	54.0	-6.9	1.09 H	173	8.50	38.60
3	*5180.00	101.8 PK			1.10 H	164	63.20	38.60
4	*5180.00	92.4 AV			1.10 H	164	53.80	38.60
5	#10360.00	58.6 PK	74.0	-15.4	1.00 H	160	9.10	49.50
6	#10360.00	45.4 AV	54.0	-8.6	1.00 H	160	-4.10	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.4 PK	74.0	-8.6	1.00 V	308	26.80	38.60
2	5150.00	51.8 AV	54.0	-2.2	1.00 V	308	13.20	38.60
3	*5180.00	108.7 PK			1.00 V	309	70.10	38.60
4	*5180.00	98.9 AV			1.00 V	309	60.30	38.60
5	#10360.00	62.6 PK	74.0	-11.4	1.66 V	275	13.10	49.50
6	#10360.00	48.7 AV	54.0	-5.3	1.66 V	275	-0.80	49.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5200.00	102.9 PK			1.00 H	185	64.30	38.60
2	*5200.00	93.2 AV			1.00 H	185	54.60	38.60
3	#10400.00	58.4 PK	74.0	-15.6	1.00 H	157	8.90	49.50
4	#10400.00	45.2 AV	54.0	-8.8	1.00 H	157	-4.30	49.50
5	15600.00	62.1 PK	74.0	-11.9	1.00 H	100	11.40	50.70
6	15600.00	49.6 AV	54.0	-4.4	1.00 H	100	-1.10	50.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	108.2 PK			1.00 V	310	69.60	38.60
2	*5200.00	98.3 AV			1.00 V	310	59.70	38.60
3	#10400.00	61.3 PK	74.0	-12.7	1.64 V	275	11.80	49.50
4	#10400.00	47.7 AV	54.0	-6.3	1.64 V	275	-1.80	49.50
5	15600.00	64.7 PK	74.0	-9.3	1.12 V	309	14.00	50.70
6	15600.00	50.9 AV	54.0	-3.1	1.12 V	309	0.20	50.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5240.00	103.8 PK			1.09 H	184	65.10	38.70
2	*5240.00	93.7 AV			1.09 H	184	55.00	38.70
3	5350.00	56.9 PK	74.0	-17.1	1.05 H	180	18.10	38.80
4	5350.00	44.6 AV	54.0	-9.4	1.05 H	180	5.80	38.80
5	#10480.00	58.5 PK	74.0	-15.5	1.00 H	155	8.80	49.70
6	#10480.00	45.3 AV	54.0	-8.7	1.00 H	155	-4.40	49.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	109.8 PK			1.10 V	308	71.10	38.70
2	*5240.00	99.6 AV			1.10 V	308	60.90	38.70
3	5350.00	57.4 PK	74.0	-16.6	1.10 V	305	18.60	38.80
4	5350.00	44.6 AV	54.0	-9.4	1.10 V	305	5.80	38.80
5	#10480.00	60.6 PK	74.0	-13.4	1.56 V	271	10.90	49.70
6	#10480.00	47.0 AV	54.0	-7.0	1.56 V	271	-2.70	49.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5150.00	55.7 PK	74.0	-18.3	1.08 H	163	17.10	38.60
2	5150.00	44.3 AV	54.0	-9.7	1.08 H	163	5.70	38.60
3	*5260.00	104.4 PK			1.08 H	163	65.70	38.70
4	*5260.00	94.2 AV			1.08 H	163	55.50	38.70
5	#10520.00	57.8 PK	74.0	-16.2	1.00 H	157	8.00	49.80
6	#10520.00	45.0 AV	54.0	-9.0	1.00 H	157	-4.80	49.80
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	5150.00	57.0 PK	74.0	-17.0	1.30 V	305	18.40	38.60
2	5150.00	44.4 AV	54.0	-9.6	1.30 V	305	5.80	38.60
3	*5260.00	110.0 PK			1.35 V	309	71.30	38.70
4	*5260.00	99.8 AV			1.35 V	309	61.10	38.70
5	#10520.00	58.9 PK	74.0	-15.1	1.62 V	270	9.10	49.80
6	#10520.00	46.7 AV	54.0	-7.3	1.62 V	270	-3.10	49.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5300.00	104.2 PK			1.18 H	181	65.40	38.80
2	*5300.00	94.4 AV			1.18 H	181	55.60	38.80
3	10600.00	57.6 PK	74.0	-16.4	1.00 H	160	7.60	50.00
4	10600.00	44.8 AV	54.0	-9.2	1.00 H	160	-5.20	50.00
5	15900.00	60.4 PK	74.0	-13.6	1.00 H	109	10.30	50.10
6	15900.00	48.0 AV	54.0	-6.0	1.00 H	109	-2.10	50.10
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	*5300.00	109.4 PK			1.50 V	322	70.60	38.80
2	*5300.00	99.4 AV			1.50 V	322	60.60	38.80
3	10600.00	58.6 PK	74.0	-15.4	1.59 V	268	8.60	50.00
4	10600.00	45.9 AV	54.0	-8.1	1.59 V	268	-4.10	50.00
5	15900.00	62.3 PK	74.0	-11.7	1.17 V	310	12.20	50.10
6	15900.00	49.4 AV	54.0	-4.6	1.17 V	310	-0.70	50.10

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).
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 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5320.00	103.9 PK			1.06 H	161	65.10	38.80
2	*5320.00	93.8 AV			1.06 H	161	55.00	38.80
3	5350.00	62.0 PK	74.0	-12.0	1.07 H	166	23.20	38.80
4	5350.00	46.2 AV	54.0	-7.8	1.07 H	166	7.40	38.80
5	10640.00	57.5 PK	74.0	-16.5	1.00 H	150	7.30	50.20
6	10640.00	44.9 AV	54.0	-9.1	1.00 H	150	-5.30	50.20
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	*5320.00	110.1 PK			1.34 V	308	71.30	38.80
2	*5320.00	100.3 AV			1.34 V	308	61.50	38.80
3	5350.00	66.2 PK	74.0	-7.8	1.08 V	308	27.40	38.80
4	5350.00	49.7 AV	54.0	-4.3	1.08 V	308	10.90	38.80
5	10640.00	58.3 PK	74.0	-15.7	1.55 V	268	8.10	50.20
6	10640.00	45.1 AV	54.0	-8.9	1.55 V	268	-5.10	50.20

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5460.00	57.1 PK	74.0	-16.9	1.13 H	170	18.10	39.00
2	5460.00	45.3 AV	54.0	-8.7	1.13 H	170	6.30	39.00
3	#5470.00	57.6 PK	74.0	-16.4	1.10 H	170	18.60	39.00
4	#5470.00	44.3 AV	54.0	-9.7	1.10 H	170	5.30	39.00
5	*5500.00	98.4 PK			1.14 H	172	59.30	39.10
6	*5500.00	88.6 AV			1.14 H	172	49.50	39.10
7	11000.00	59.4 PK	74.0	-14.6	1.00 H	163	7.80	51.60
8	11000.00	46.1 AV	54.0	-7.9	1.00 H	163	-5.50	51.60
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	5460.00	59.7 PK	74.0	-14.3	1.32 V	292	20.70	39.00
2	5460.00	48.7 AV	54.0	-5.3	1.32 V	292	9.70	39.00
3	#5470.00	60.1 PK	74.0	-13.9	1.30 V	293	21.10	39.00
4	#5470.00	45.9 AV	54.0	-8.1	1.30 V	293	6.90	39.00
5	*5500.00	107.3 PK			1.30 V	293	68.20	39.10
6	*5500.00	97.5 AV			1.30 V	293	58.40	39.10
7	11000.00	58.2 PK	74.0	-15.8	1.00 V	270	6.60	51.60
8	11000.00	46.0 AV	54.0	-8.0	1.00 V	270	-5.60	51.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5580.00	103.9 PK			1.00 H	166	64.70	39.20
2	*5580.00	93.8 AV			1.00 H	166	54.60	39.20
3	11160.00	58.6 PK	74.0	-15.4	1.00 H	143	7.30	51.30
4	11160.00	46.2 AV	54.0	-7.8	1.00 H	143	-5.10	51.30
5	#16740.00	63.8 PK	74.0	-10.2	1.00 H	102	10.80	53.00
6	#16740.00	51.1 AV	54.0	-2.9	1.00 H	102	-1.90	53.00
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	*5580.00	111.8 PK			1.28 V	291	72.60	39.20
2	*5580.00	102.0 AV			1.28 V	291	62.80	39.20
3	11160.00	61.3 PK	74.0	-12.7	1.56 V	259	10.00	51.30
4	11160.00	48.1 AV	54.0	-5.9	1.56 V	259	-3.20	51.30
5	#16740.00	64.9 PK	74.0	-9.1	1.00 V	308	11.90	53.00
6	#16740.00	51.5 AV	54.0	-2.5	1.00 V	308	-1.50	53.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5700.00	101.9 PK			1.00 H	171	62.40	39.50
2	*5700.00	92.4 AV			1.00 H	171	52.90	39.50
3	#5725.00	55.7 PK	74.0	-18.3	1.00 H	179	16.20	39.50
4	#5725.00	44.9 AV	54.0	-9.1	1.00 H	179	5.40	39.50
5	11400.00	58.8 PK	74.0	-15.2	1.00 H	150	7.20	51.60
6	11400.00	46.6 AV	54.0	-7.4	1.00 H	150	-5.00	51.60
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	*5700.00	109.7 PK			1.24 V	293	70.20	39.50
2	*5700.00	100.2 AV			1.24 V	293	60.70	39.50
3	#5725.00	63.4 PK	74.0	-10.6	1.25 V	280	23.90	39.50
4	#5725.00	49.8 AV	54.0	-4.2	1.25 V	280	10.30	39.50
5	11400.00	60.1 PK	74.0	-13.9	1.65 V	260	8.50	51.60
6	11400.00	47.5 AV	54.0	-6.5	1.65 V	260	-4.10	51.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5150.00	55.3 PK	74.0	-18.7	1.21 H	346	16.70	38.60
2	5150.00	42.4 AV	54.0	-11.6	1.21 H	346	3.80	38.60
3	*5180.00	96.7 PK			1.21 H	346	58.10	38.60
4	*5180.00	86.3 AV			1.21 H	346	47.70	38.60
5	#10360.00	57.0 PK	74.0	-17.0	1.10 H	42	7.50	49.50
6	#10360.00	43.9 AV	54.0	-10.1	1.10 H	42	-5.60	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.7 PK	74.0	-19.3	1.23 V	45	16.10	38.60
2	5150.00	42.3 AV	54.0	-11.7	1.23 V	45	3.70	38.60
3	*5180.00	100.1 PK			1.23 V	45	61.50	38.60
4	*5180.00	91.0 AV			1.23 V	45	52.40	38.60
5	#10360.00	57.1 PK	74.0	-16.9	1.23 V	45	7.60	49.50
6	#10360.00	44.7 AV	54.0	-9.3	1.23 V	45	-4.80	49.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5200.00	97.3 PK			1.00 H	360	58.70	38.60
2	*5200.00	87.2 AV			1.00 H	360	48.60	38.60
3	#10400.00	56.1 PK	74.0	-17.9	1.10 H	62	6.60	49.50
4	#10400.00	43.3 AV	54.0	-10.7	1.10 H	62	-6.20	49.50
5	15600.00	57.6 PK	74.0	-16.4	1.12 H	36	6.90	50.70
6	15600.00	44.9 AV	54.0	-9.1	1.12 H	36	-5.80	50.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	100.8 PK			1.00 V	133	62.20	38.60
2	*5200.00	91.5 AV			1.00 V	133	52.90	38.60
3	#10400.00	56.1 PK	74.0	-17.9	1.00 V	62	6.60	49.50
4	#10400.00	44.3 AV	54.0	-9.7	1.00 V	62	-5.20	49.50
5	15600.00	57.8 PK	74.0	-16.2	1.15 V	72	7.10	50.70
6	15600.00	45.3 AV	54.0	-8.7	1.15 V	72	-5.40	50.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5240.00	97.6 PK			1.19 H	343	58.90	38.70
2	*5240.00	88.0 AV			1.19 H	343	49.30	38.70
3	5350.00	55.7 PK	74.0	-18.3	1.19 H	343	16.90	38.80
4	5350.00	42.6 AV	54.0	-11.4	1.19 H	343	3.80	38.80
5	#10480.00	57.3 PK	74.0	-16.7	1.10 H	63	7.60	49.70
6	#10480.00	44.3 AV	54.0	-9.7	1.10 H	63	-5.40	49.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	101.7 PK			1.00 V	134	63.00	38.70
2	*5240.00	91.4 AV			1.00 V	134	52.70	38.70
3	5350.00	56.8 PK	74.0	-17.2	1.00 V	134	18.00	38.80
4	5350.00	43.2 AV	54.0	-10.8	1.00 V	134	4.40	38.80
5	#10480.00	56.6 PK	74.0	-17.4	1.00 V	134	6.90	49.70
6	#10480.00	43.9 AV	54.0	-10.1	1.00 V	134	-5.80	49.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5150.00	58.1 PK	74.0	-15.9	1.00 H	36	19.50	38.60
2	5150.00	42.9 AV	54.0	-11.1	1.00 H	36	4.30	38.60
3	*5260.00	97.4 PK			1.00 H	36	58.70	38.70
4	*5260.00	87.2 AV			1.00 H	36	48.50	38.70
5	#10520.00	58.3 PK	74.0	-15.7	1.12 H	245	8.50	49.80
6	#10520.00	44.0 AV	54.0	-10.0	1.12 H	245	-5.80	49.80
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	5150.00	57.6 PK	74.0	-16.4	1.00 V	139	19.00	38.60
2	5150.00	43.7 AV	54.0	-10.3	1.00 V	139	5.10	38.60
3	*5260.00	99.9 PK			1.00 V	139	61.20	38.70
4	*5260.00	89.8 AV			1.00 V	139	51.10	38.70
5	#10520.00	57.7 PK	74.0	-16.3	1.14 V	63	7.90	49.80
6	#10520.00	43.9 AV	54.0	-10.1	1.14 V	63	-5.90	49.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5300.00	99.8 PK			1.03 H	317	61.00	38.80
2	*5300.00	90.0 AV			1.03 H	317	51.20	38.80
3	10600.00	57.6 PK	74.0	-16.4	1.09 H	64	7.60	50.00
4	10600.00	43.8 AV	54.0	-10.2	1.09 H	64	-6.20	50.00
5	15900.00	57.2 PK	74.0	-16.8	1.04 H	23	7.10	50.10
6	15900.00	45.4 AV	54.0	-8.6	1.04 H	23	-4.70	50.10
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	*5300.00	99.8 PK			1.35 V	139	61.00	38.80
2	*5300.00	90.7 AV			1.35 V	139	51.90	38.80
3	10600.00	57.3 PK	74.0	-16.7	1.14 V	63	7.30	50.00
4	10600.00	44.1 AV	54.0	-9.9	1.14 V	63	-5.90	50.00
5	15900.00	57.6 PK	74.0	-16.4	1.10 V	139	7.50	50.10
6	15900.00	45.1 AV	54.0	-8.9	1.10 V	139	-5.00	50.10

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).
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 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5320.00	99.5 PK			1.03 H	317	60.70	38.80
2	*5320.00	89.2 AV			1.03 H	317	50.40	38.80
3	5350.00	57.5 PK	74.0	-16.5	1.03 H	317	18.70	38.80
4	5350.00	42.4 AV	54.0	-11.6	1.03 H	317	3.60	38.80
5	10640.00	58.3 PK	74.0	-15.7	1.14 H	96	8.10	50.20
6	10640.00	44.4 AV	54.0	-9.6	1.14 H	96	-5.80	50.20
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	*5320.00	100.6 PK			1.08 V	136	61.80	38.80
2	*5320.00	90.7 AV			1.08 V	136	51.90	38.80
3	5350.00	57.5 PK	74.0	-16.5	1.08 V	136	18.70	38.80
4	5350.00	43.1 AV	54.0	-10.9	1.08 V	136	4.30	38.80
5	10640.00	57.1 PK	74.0	-16.9	1.07 V	66	6.90	50.20
6	10640.00	44.0 AV	54.0	-10.0	1.07 V	66	-6.20	50.20

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5460.00	57.1 PK	74.0	-16.9	1.00 H	311	18.10	39.00
2	5460.00	42.9 AV	54.0	-11.1	1.00 H	311	3.90	39.00
3	#5470.00	56.2 PK	74.0	-17.8	1.00 H	311	17.20	39.00
4	#5470.00	42.9 AV	54.0	-11.1	1.00 H	311	3.90	39.00
5	*5500.00	96.0 PK			1.00 H	311	56.90	39.10
6	*5500.00	86.3 AV			1.00 H	311	47.20	39.10
7	11000.00	59.4 PK	74.0	-14.6	1.17 H	52	7.80	51.60
8	11000.00	46.1 AV	54.0	-7.9	1.17 H	52	-5.50	51.60
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	5460.00	55.9 PK	74.0	-18.1	1.00 V	182	16.90	39.00
2	5460.00	43.6 AV	54.0	-10.4	1.00 V	182	4.60	39.00
3	#5470.00	54.0 PK	74.0	-20.0	1.00 V	182	15.00	39.00
4	#5470.00	43.3 AV	54.0	-10.7	1.00 V	182	4.30	39.00
5	*5500.00	101.2 PK			1.00 V	182	62.10	39.10
6	*5500.00	90.8 AV			1.00 V	182	51.70	39.10
7	11000.00	59.4 PK	74.0	-14.6	1.04 V	62	7.80	51.60
8	11000.00	46.4 AV	54.0	-7.6	1.04 V	62	-5.20	51.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5580.00	98.0 PK			1.00 H	317	58.80	39.20
2	*5580.00	88.3 AV			1.00 H	317	49.10	39.20
3	11160.00	57.7 PK	74.0	-16.3	1.12 H	85	6.40	51.30
4	11160.00	45.0 AV	54.0	-9.0	1.12 H	85	-6.30	51.30
5	#16740.00	61.0 PK	74.0	-13.0	1.14 H	52	8.00	53.00
6	#16740.00	47.2 AV	54.0	-6.8	1.14 H	52	-5.80	53.00
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	*5580.00	98.8 PK			1.46 V	177	59.60	39.20
2	*5580.00	88.4 AV			1.46 V	177	49.20	39.20
3	11160.00	59.0 PK	74.0	-15.0	1.00 V	85	7.70	51.30
4	11160.00	45.3 AV	54.0	-8.7	1.00 V	85	-6.00	51.30
5	#16740.00	60.5 PK	74.0	-13.5	1.00 V	47	7.50	53.00
6	#16740.00	46.8 AV	54.0	-7.2	1.00 V	47	-6.20	53.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5700.00	97.5 PK			1.00 H	315	58.00	39.50
2	*5700.00	87.4 AV			1.00 H	315	47.90	39.50
3	#5725.00	57.4 PK	74.0	-16.6	1.00 H	315	17.90	39.50
4	#5725.00	45.3 AV	54.0	-8.7	1.00 H	315	5.80	39.50
5	11400.00	59.9 PK	74.0	-14.1	1.08 H	41	8.30	51.60
6	11400.00	46.8 AV	54.0	-7.2	1.08 H	41	-4.80	51.60
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	*5700.00	99.2 PK			1.00 V	139	59.70	39.50
2	*5700.00	89.3 AV			1.00 V	139	49.80	39.50
3	#5725.00	59.1 PK	74.0	-14.9	1.00 V	139	19.60	39.50
4	#5725.00	44.7 AV	54.0	-9.3	1.00 V	139	5.20	39.50
5	11400.00	59.2 PK	74.0	-14.8	1.12 V	95	7.60	51.60
6	11400.00	46.8 AV	54.0	-7.2	1.12 V	95	-4.80	51.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5150.00	56.9 PK	74.0	-17.1	1.00 H	37	18.30	38.60
2	5150.00	42.9 AV	54.0	-11.1	1.00 H	37	4.30	38.60
3	*5190.00	93.3 PK			1.00 H	37	54.70	38.60
4	*5190.00	84.1 AV			1.00 H	37	45.50	38.60
5	#10380.00	57.9 PK	74.0	-16.1	1.14 H	52	8.40	49.50
6	#10380.00	43.5 AV	54.0	-10.5	1.14 H	52	-6.00	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.4 PK	74.0	-16.6	1.10 V	129	18.80	38.60
2	5150.00	43.6 AV	54.0	-10.4	1.10 V	129	5.00	38.60
3	*5190.00	96.6 PK			1.10 V	129	58.00	38.60
4	*5190.00	87.2 AV			1.10 V	129	48.60	38.60
5	#10380.00	57.5 PK	74.0	-16.5	1.00 V	42	8.00	49.50
6	#10380.00	44.5 AV	54.0	-9.5	1.00 V	42	-5.00	49.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5230.00	95.2 PK			1.30 H	347	56.60	38.60
2	*5230.00	85.1 AV			1.30 H	347	46.50	38.60
3	5350.00	55.9 PK	74.0	-18.1	1.30 H	347	17.10	38.80
4	5350.00	42.4 AV	54.0	-11.6	1.30 H	347	3.60	38.80
5	#10460.00	57.4 PK	74.0	-16.6	1.08 H	42	7.80	49.60
6	#10460.00	43.6 AV	54.0	-10.4	1.08 H	42	-6.00	49.60
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	*5230.00	96.7 PK			1.11 V	133	58.10	38.60
2	*5230.00	87.5 AV			1.11 V	133	48.90	38.60
3	5350.00	57.5 PK	74.0	-16.5	1.11 V	133	18.70	38.80
4	5350.00	44.0 AV	54.0	-10.0	1.11 V	133	5.20	38.80
5	#10460.00	59.1 PK	74.0	-14.9	1.17 V	238	9.50	49.60
6	#10460.00	44.6 AV	54.0	-9.4	1.17 V	238	-5.00	49.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5150.00	57.9 PK	74.0	-16.1	1.40 H	313	19.30	38.60
2	5150.00	42.3 AV	54.0	-11.7	1.40 H	313	3.70	38.60
3	*5270.00	95.5 PK			1.40 H	313	56.80	38.70
4	*5270.00	85.5 AV			1.40 H	313	46.80	38.70
5	#10540.00	59.1 PK	74.0	-14.9	1.17 H	85	9.30	49.80
6	#10540.00	43.8 AV	54.0	-10.2	1.17 H	85	-6.00	49.80
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	5150.00	56.7 PK	74.0	-17.3	1.00 V	139	18.10	38.60
2	5150.00	42.7 AV	54.0	-11.3	1.00 V	139	4.10	38.60
3	*5270.00	97.1 PK			1.00 V	139	58.40	38.70
4	*5270.00	87.8 AV			1.00 V	139	49.10	38.70
5	#10540.00	58.3 PK	74.0	-15.7	1.10 V	88	8.50	49.80
6	#10540.00	45.0 AV	54.0	-9.0	1.10 V	88	-4.80	49.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 62	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5310.00	96.1 PK			1.03 H	318	57.30	38.80
2	*5310.00	86.5 AV			1.03 H	318	47.70	38.80
3	5350.00	58.8 PK	74.0	-15.2	4.00 H	315	20.00	38.80
4	5350.00	45.0 AV	54.0	-9.0	4.00 H	315	6.20	38.80
5	10620.00	58.0 PK	74.0	-16.0	1.14 H	55	7.90	50.10
6	10620.00	43.8 AV	54.0	-10.2	1.14 H	55	-6.30	50.10
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	*5310.00	97.8 PK			1.23 V	135	59.00	38.80
2	*5310.00	88.1 AV			1.23 V	135	49.30	38.80
3	5350.00	59.1 PK	74.0	-14.9	1.23 V	135	20.30	38.80
4	5350.00	47.2 AV	54.0	-6.8	1.23 V	135	8.40	38.80
5	10620.00	57.9 PK	74.0	-16.1	1.15 V	96	7.80	50.10
6	10620.00	45.2 AV	54.0	-8.8	1.15 V	96	-4.90	50.10

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).
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 102	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	5460.00	54.9 PK	74.0	-19.1	1.00 H	311	15.90	39.00
2	5460.00	43.4 AV	54.0	-10.6	1.00 H	311	4.40	39.00
3	#5470.00	59.3 PK	74.0	-14.7	1.00 H	311	20.30	39.00
4	#5470.00	46.9 AV	54.0	-7.1	1.00 H	311	7.90	39.00
5	*5510.00	93.5 PK			1.02 H	316	54.40	39.10
6	*5510.00	84.4 AV			1.02 H	316	45.30	39.10
7	11020.00	60.2 PK	74.0	-13.8	1.10 H	96	8.70	51.50
8	11020.00	46.0 AV	54.0	-8.0	1.10 H	96	-5.50	51.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	54.7 PK	74.0	-19.3	1.00 V	183	15.70	39.00
2	5460.00	43.0 AV	54.0	-11.0	1.00 V	183	4.00	39.00
3	#5470.00	57.0 PK	74.0	-17.0	1.00 V	183	18.00	39.00
4	#5470.00	46.7 AV	54.0	-7.3	1.00 V	183	7.70	39.00
5	*5510.00	97.9 PK			1.00 V	183	58.80	39.10
6	*5510.00	88.1 AV			1.00 V	183	49.00	39.10
7	11020.00	60.5 PK	74.0	-13.5	1.00 V	51	9.00	51.50
8	11020.00	46.1 AV	54.0	-7.9	1.00 V	51	-5.40	51.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 110	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5550.00	96.8 PK			1.00 H	309	57.70	39.10
2	*5550.00	86.8 AV			1.00 H	309	47.70	39.10
3	11100.00	59.2 PK	74.0	-14.8	1.05 H	45	7.90	51.30
4	11100.00	44.5 AV	54.0	-9.5	1.05 H	45	-6.80	51.30
5	#16650.00	59.3 PK	74.0	-14.7	1.10 H	47	6.70	52.60
6	#16650.00	47.0 AV	54.0	-7.0	1.10 H	47	-5.60	52.60
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	*5550.00	102.1 PK			1.55 V	94	63.00	39.10
2	*5550.00	92.0 AV			1.55 V	94	52.90	39.10
3	11110.00	57.6 PK	74.0	-16.4	1.00 V	52	6.30	51.30
4	11110.00	44.7 AV	54.0	-9.3	1.00 V	52	-6.60	51.30
5	#16650.00	60.3 PK	74.0	-13.7	1.12 V	55	7.70	52.60
6	#16650.00	47.0 AV	54.0	-7.0	1.12 V	55	-5.60	52.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 134	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 1		

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	*5670.00	95.1 PK			1.00 H	316	55.70	39.40
2	*5670.00	85.0 AV			1.00 H	316	45.60	39.40
3	#5725.00	56.3 PK	74.0	-17.7	1.00 H	316	16.80	39.50
4	#5725.00	44.6 AV	54.0	-9.4	1.00 H	316	5.10	39.50
5	11340.00	60.4 PK	74.0	-13.6	1.15 H	74	8.70	51.70
6	11340.00	46.4 AV	54.0	-7.6	1.15 H	74	-5.30	51.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	97.6 PK			1.00 V	102	58.20	39.40
2	*5670.00	88.4 AV			1.00 V	102	49.00	39.40
3	#5725.00	59.4 PK	74.0	-14.6	1.00 V	102	19.90	39.50
4	#5725.00	46.4 AV	54.0	-7.6	1.00 V	102	6.90	39.50
5	11340.00	60.8 PK	74.0	-13.2	1.10 V	25	9.10	51.70
6	11340.00	47.3 AV	54.0	-6.7	1.10 V	25	-4.40	51.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

PIFA Antenna_2 TX

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	5150.00	59.4 PK	74.0	-14.6	1.30 H	165	20.80	38.60
2	5150.00	45.5 AV	54.0	-8.5	1.30 H	165	6.90	38.60
3	*5180.00	102.4 PK			1.35 H	166	63.80	38.60
4	*5180.00	91.4 AV			1.35 H	166	52.80	38.60
5	#10360.00	57.5 PK	74.0	-16.5	1.00 H	150	8.00	49.50
6	#10360.00	45.0 AV	54.0	-9.0	1.00 H	150	-4.50	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.0 PK	74.0	-11.0	1.00 V	309	24.40	38.60
2	5150.00	49.3 AV	54.0	-4.7	1.00 V	309	10.70	38.60
3	*5180.00	108.5 PK			1.00 V	310	69.90	38.60
4	*5180.00	97.3 AV			1.00 V	310	58.70	38.60
5	#10360.00	59.6 PK	74.0	-14.4	1.59 V	275	10.10	49.50
6	#10360.00	47.1 AV	54.0	-6.9	1.59 V	275	-2.40	49.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 40	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5200.00	103.8 PK			1.00 H	180	65.20	38.60
2	*5200.00	92.1 AV			1.00 H	180	53.50	38.60
3	#10400.00	58.5 PK	74.0	-15.5	1.00 H	170	9.00	49.50
4	#10400.00	45.9 AV	54.0	-8.1	1.00 H	170	-3.60	49.50
5	15600.00	62.0 PK	74.0	-12.0	1.00 H	110	11.30	50.70
6	15600.00	49.2 AV	54.0	-4.8	1.00 H	110	-1.50	50.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	109.7 PK			1.00 V	310	71.10	38.60
2	*5200.00	98.1 AV			1.00 V	310	59.50	38.60
3	#10400.00	61.5 PK	74.0	-12.5	1.67 V	274	12.00	49.50
4	#10400.00	48.2 AV	54.0	-5.8	1.67 V	274	-1.30	49.50
5	15600.00	62.7 PK	74.0	-11.3	1.14 V	305	12.00	50.70
6	15600.00	49.7 AV	54.0	-4.3	1.14 V	305	-1.00	50.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 48	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5240.00	104.8 PK			1.32 H	182	66.10	38.70
2	*5240.00	93.1 AV			1.32 H	182	54.40	38.70
3	5350.00	56.7 PK	74.0	-17.3	1.35 H	180	17.90	38.80
4	5350.00	34.3 AV	54.0	-19.7	1.35 H	180	-4.50	38.80
5	#10480.00	58.5 PK	74.0	-15.5	1.00 H	160	8.80	49.70
6	#10480.00	45.7 AV	54.0	-8.3	1.00 H	160	-4.00	49.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	110.6 PK			1.00 V	313	71.90	38.70
2	*5240.00	98.6 AV			1.00 V	313	59.90	38.70
3	5350.00	56.8 PK	74.0	-17.2	1.00 V	310	18.00	38.80
4	5350.00	45.3 AV	54.0	-8.7	1.00 V	310	6.50	38.80
5	#10480.00	61.9 PK	74.0	-12.1	1.64 V	251	12.20	49.70
6	#10480.00	48.2 AV	54.0	-5.8	1.64 V	251	-1.50	49.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 52	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	5150.00	56.8 PK	74.0	-17.2	1.00 H	181	18.20	38.60
2	5150.00	44.9 AV	54.0	-9.1	1.00 H	181	6.30	38.60
3	*5260.00	104.0 PK			1.00 H	185	65.30	38.70
4	*5260.00	92.4 AV			1.00 H	185	53.70	38.70
5	#10520.00	57.6 PK	74.0	-16.4	1.00 H	154	7.80	49.80
6	#10520.00	44.8 AV	54.0	-9.2	1.00 H	154	-5.00	49.80
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	5150.00	56.3 PK	74.0	-17.7	1.34 V	310	17.70	38.60
2	5150.00	45.0 AV	54.0	-9.0	1.34 V	310	6.40	38.60
3	*5260.00	109.4 PK			1.34 V	307	70.70	38.70
4	*5260.00	98.5 AV			1.34 V	307	59.80	38.70
5	#10520.00	60.2 PK	74.0	-13.8	1.64 V	255	10.40	49.80
6	#10520.00	47.1 AV	54.0	-6.9	1.64 V	255	-2.70	49.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 60	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5300.00	105.8 PK			1.09 H	185	67.00	38.80
2	*5300.00	94.4 AV			1.09 H	185	55.60	38.80
3	10600.00	57.5 PK	74.0	-16.5	1.00 H	169	7.50	50.00
4	10600.00	45.1 AV	54.0	-8.9	1.00 H	169	-4.90	50.00
5	15900.00	60.9 PK	74.0	-13.1	1.00 H	105	10.80	50.10
6	15900.00	48.1 AV	54.0	-5.9	1.00 H	105	-2.00	50.10
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	*5300.00	114.3 PK			1.52 V	324	75.50	38.80
2	*5300.00	99.5 AV			1.52 V	324	60.70	38.80
3	10600.00	58.6 PK	74.0	-15.4	1.52 V	258	8.60	50.00
4	10600.00	46.0 AV	54.0	-8.0	1.52 V	258	-4.00	50.00
5	15900.00	60.8 PK	74.0	-13.2	1.13 V	315	10.70	50.10
6	15900.00	48.3 AV	54.0	-5.7	1.13 V	315	-1.80	50.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 64	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5320.00	103.7 PK			1.06 H	168	64.90	38.80
2	*5320.00	92.3 AV			1.06 H	168	53.50	38.80
3	5350.00	58.8 PK	74.0	-15.2	1.05 H	165	20.00	38.80
4	5350.00	45.9 AV	54.0	-8.1	1.05 H	165	7.10	38.80
5	10640.00	57.8 PK	74.0	-16.2	1.00 H	145	7.60	50.20
6	10640.00	45.0 AV	54.0	-9.0	1.00 H	145	-5.20	50.20
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	*5320.00	111.9 PK			1.37 V	320	73.10	38.80
2	*5320.00	100.1 AV			1.37 V	320	61.30	38.80
3	5350.00	61.5 PK	74.0	-12.5	1.35 V	234	22.70	38.80
4	5350.00	48.6 AV	54.0	-5.4	1.35 V	234	9.80	38.80
5	10640.00	58.4 PK	74.0	-15.6	1.60 V	251	8.20	50.20
6	10640.00	46.0 AV	54.0	-8.0	1.60 V	251	-4.20	50.20

REMARKS:

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

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 100	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	5460.00	57.2 PK	74.0	-16.8	1.10 H	162	18.20	39.00
2	5460.00	45.0 AV	54.0	-9.0	1.10 H	162	6.00	39.00
3	#5470.00	61.5 PK	74.0	-12.5	1.14 H	161	22.50	39.00
4	#5470.00	46.2 AV	54.0	-7.8	1.14 H	161	7.20	39.00
5	*5500.00	103.4 PK			1.15 H	168	64.30	39.10
6	*5500.00	90.8 AV			1.15 H	168	51.70	39.10
7	11000.00	59.4 PK	74.0	-14.6	1.00 H	171	7.80	51.60
8	11000.00	46.9 AV	54.0	-7.1	1.00 H	171	-4.70	51.60
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	5460.00	61.1 PK	74.0	-12.9	1.32 V	289	22.10	39.00
2	5460.00	49.1 AV	54.0	-4.9	1.32 V	289	10.10	39.00
3	#5470.00	67.8 PK	74.0	-6.2	1.32 V	287	28.80	39.00
4	#5470.00	51.1 AV	54.0	-2.9	1.32 V	287	12.10	39.00
5	*5500.00	111.9 PK			1.31 V	289	72.80	39.10
6	*5500.00	99.8 AV			1.31 V	289	60.70	39.10
7	11000.00	59.1 PK	74.0	-14.9	1.00 V	252	7.50	51.60
8	11000.00	46.4 AV	54.0	-7.6	1.00 V	252	-5.20	51.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 116	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5580.00	102.5 PK			1.00 H	166	63.30	39.20
2	*5580.00	92.4 AV			1.00 H	166	53.20	39.20
3	11160.00	59.5 PK	74.0	-14.5	1.00 H	147	8.20	51.30
4	11160.00	46.6 AV	54.0	-7.4	1.00 H	147	-4.70	51.30
5	#16740.00	64.0 PK	74.0	-10.0	1.00 H	90	11.00	53.00
6	#16740.00	51.4 AV	54.0	-2.6	1.00 H	90	-1.60	53.00
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	*5580.00	111.1 PK			1.27 V	287	71.90	39.20
2	*5580.00	100.2 AV			1.27 V	287	61.00	39.20
3	11160.00	58.9 PK	74.0	-15.1	1.57 V	257	7.60	51.30
4	11160.00	47.1 AV	54.0	-6.9	1.57 V	257	-4.20	51.30
5	#16740.00	64.4 PK	74.0	-9.6	1.00 V	310	11.40	53.00
6	#16740.00	51.6 AV	54.0	-2.4	1.00 V	310	-1.40	53.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 140	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5700.00	104.3 PK			1.00 H	173	64.80	39.50
2	*5700.00	92.2 AV			1.00 H	173	52.70	39.50
3	#5725.00	60.4 PK	74.0	-13.6	1.00 H	174	20.90	39.50
4	#5725.00	46.4 AV	54.0	-7.6	1.00 H	174	6.90	39.50
5	11400.00	59.1 PK	74.0	-14.9	1.00 H	133	7.50	51.60
6	11400.00	46.5 AV	54.0	-7.5	1.00 H	133	-5.10	51.60
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	*5700.00	111.4 PK			1.25 V	292	71.90	39.50
2	*5700.00	100.0 AV			1.25 V	292	60.50	39.50
3	#5725.00	65.4 PK	74.0	-8.6	1.25 V	290	25.90	39.50
4	#5725.00	51.9 AV	54.0	-2.1	1.25 V	290	12.40	39.50
5	11400.00	59.4 PK	74.0	-14.6	1.60 V	267	7.80	51.60
6	11400.00	46.9 AV	54.0	-7.1	1.60 V	267	-4.70	51.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 38	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	5150.00	58.6 PK	74.0	-15.4	1.00 H	185	20.00	38.60
2	5150.00	46.6 AV	54.0	-7.4	1.00 H	185	8.00	38.60
3	*5190.00	94.0 PK			1.00 H	186	55.40	38.60
4	*5190.00	82.8 AV			1.00 H	186	44.20	38.60
5	#10380.00	57.8 PK	74.0	-16.2	1.00 H	135	8.30	49.50
6	#10380.00	44.8 AV	54.0	-9.2	1.00 H	135	-4.70	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.2 PK	74.0	-10.8	1.00 V	309	24.60	38.60
2	5150.00	51.7 AV	54.0	-2.3	1.00 V	309	13.10	38.60
3	*5190.00	100.3 PK			1.00 V	309	61.70	38.60
4	*5190.00	89.2 AV			1.00 V	309	50.60	38.60
5	#10380.00	58.2 PK	74.0	-15.8	1.00 V	265	8.70	49.50
6	#10380.00	44.7 AV	54.0	-9.3	1.00 V	265	-4.80	49.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 46	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5230.00	99.9 PK			1.05 H	185	61.30	38.60
2	*5230.00	88.5 AV			1.05 H	185	49.90	38.60
3	5350.00	56.9 PK	74.0	-17.1	1.02 H	183	18.10	38.80
4	5350.00	44.6 AV	54.0	-9.4	1.02 H	183	5.80	38.80
5	#10460.00	57.3 PK	74.0	-16.7	1.00 H	138	7.70	49.60
6	#10460.00	45.2 AV	54.0	-8.8	1.00 H	138	-4.40	49.60
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	*5230.00	105.5 PK			1.00 V	314	66.90	38.60
2	*5230.00	93.9 AV			1.00 V	314	55.30	38.60
3	5350.00	56.8 PK	74.0	-17.2	1.00 V	317	18.00	38.80
4	5350.00	44.4 AV	54.0	-9.6	1.00 V	317	5.60	38.80
5	#10460.00	58.1 PK	74.0	-15.9	1.00 V	272	8.50	49.60
6	#10460.00	45.1 AV	54.0	-8.9	1.00 V	272	-4.50	49.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 54	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	5150.00	47.0 PK	74.0	-27.0	1.20 H	180	8.40	38.60
2	5150.00	44.9 AV	54.0	-9.1	1.20 H	180	6.30	38.60
3	*5270.00	101.0 PK			1.20 H	185	62.30	38.70
4	*5270.00	90.3 AV			1.20 H	185	51.60	38.70
5	#10540.00	57.2 PK	74.0	-16.8	1.00 H	130	7.40	49.80
6	#10540.00	45.9 AV	54.0	-8.1	1.00 H	130	-3.90	49.80
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	5150.00	56.1 PK	74.0	-17.9	1.35 V	325	17.50	38.60
2	5150.00	44.7 AV	54.0	-9.3	1.35 V	325	6.10	38.60
3	*5270.00	107.0 PK			1.37 V	327	68.30	38.70
4	*5270.00	95.9 AV			1.37 V	327	57.20	38.70
5	#10540.00	57.6 PK	74.0	-16.4	1.00 V	260	7.80	49.80
6	#10540.00	45.8 AV	54.0	-8.2	1.00 V	260	-4.00	49.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 62	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5310.00	96.0 PK			1.00 H	190	57.20	38.80
2	*5310.00	84.7 AV			1.00 H	190	45.90	38.80
3	5350.00	58.2 PK	74.0	-15.8	1.00 H	185	19.40	38.80
4	5350.00	46.4 AV	54.0	-7.6	1.00 H	185	7.60	38.80
5	10620.00	57.4 PK	74.0	-16.6	1.00 H	155	7.30	50.10
6	10620.00	45.0 AV	54.0	-9.0	1.00 H	155	-5.10	50.10
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	*5310.00	101.9 PK			1.36 V	326	63.10	38.80
2	*5310.00	90.9 AV			1.36 V	326	52.10	38.80
3	5350.00	67.1 PK	74.0	-6.9	1.35 V	234	28.30	38.80
4	**5350.00**	**53.0 AV**	**54.0**	**-1.0**	**1.35 V**	**234**	**14.20**	**38.80**
5	10620.00	57.3 PK	74.0	-16.7	1.00 V	264	7.20	50.10
6	10620.00	44.9 AV	54.0	-9.1	1.00 V	264	-5.20	50.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 102	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	5460.00	57.0 PK	74.0	-17.0	1.12 H	165	18.00	39.00
2	5460.00	44.6 AV	54.0	-9.4	1.12 H	165	5.60	39.00
3	#5470.00	60.4 PK	74.0	-13.6	1.10 H	160	21.40	39.00
4	#5470.00	46.5 AV	54.0	-7.5	1.10 H	160	7.50	39.00
5	*5510.00	94.2 PK			1.13 H	162	55.10	39.10
6	*5510.00	82.9 AV			1.13 H	162	43.80	39.10
7	11020.00	59.8 PK	74.0	-14.2	1.00 H	165	8.30	51.50
8	11020.00	46.9 AV	54.0	-7.1	1.00 H	165	-4.60	51.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.5 PK	74.0	-13.5	1.33 V	291	21.50	39.00
2	5460.00	47.1 AV	54.0	-6.9	1.33 V	291	8.10	39.00
3	#5470.00	67.6 PK	74.0	-6.4	1.32 V	289	28.60	39.00
4	#5470.00	51.8 AV	54.0	-2.2	1.32 V	289	12.80	39.00
5	*5510.00	101.3 PK			1.43 V	287	62.20	39.10
6	*5510.00	90.8 AV			1.43 V	287	51.70	39.10
7	11020.00	58.8 PK	74.0	-15.2	1.00 V	257	7.30	51.50
8	11020.00	46.7 AV	54.0	-7.3	1.00 V	257	-4.80	51.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 110	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5550.00	99.8 PK			1.02 H	165	60.70	39.10
2	*5550.00	89.3 AV			1.02 H	165	50.20	39.10
3	11100.00	59.1 PK	74.0	-14.9	1.00 H	143	7.80	51.30
4	11100.00	46.6 AV	54.0	-7.4	1.00 H	143	-4.70	51.30
5	#16650.00	63.5 PK	74.0	-10.5	1.00 H	301	10.90	52.60
6	#16650.00	50.8 AV	54.0	-3.2	1.00 H	301	-1.80	52.60
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	*5550.00	108.4 PK			1.29 V	291	69.30	39.10
2	*5550.00	97.4 AV			1.29 V	291	58.30	39.10
3	11100.00	59.5 PK	74.0	-14.5	1.00 V	255	8.20	51.30
4	11100.00	47.1 AV	54.0	-6.9	1.00 V	255	-4.20	51.30
5	#16650.00	63.9 PK	74.0	-10.1	1.00 V	301	11.30	52.60
6	#16650.00	51.1 AV	54.0	-2.9	1.00 V	301	-1.50	52.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 134	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	*5670.00	97.8 PK			1.00 H	177	58.40	39.40
2	*5670.00	82.7 AV			1.00 H	177	43.30	39.40
3	#5725.00	54.4 PK	74.0	-19.6	1.00 H	180	14.90	39.50
4	#5725.00	44.1 AV	54.0	-9.9	1.00 H	180	4.60	39.50
5	11340.00	58.7 PK	74.0	-15.3	1.00 H	125	7.00	51.70
6	11340.00	46.1 AV	54.0	-7.9	1.00 H	125	-5.60	51.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	104.8 PK			1.26 V	290	65.40	39.40
2	*5670.00	93.7 AV			1.26 V	290	54.30	39.40
3	#5725.00	56.0 PK	74.0	-18.0	1.21 V	291	16.50	39.50
4	#5725.00	45.1 AV	54.0	-8.9	1.21 V	291	5.60	39.50
5	11340.00	58.6 PK	74.0	-15.4	1.00 V	248	6.90	51.70
6	11340.00	46.2 AV	54.0	-7.8	1.00 V	248	-5.50	51.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Monopole Antenna_1TX

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	5150.00	50.2 PK	74.0	-23.8	1.00 H	301	12.40	37.80
2	5150.00	34.3 AV	54.0	-19.7	1.00 H	301	-3.50	37.80
3	*5180.00	93.8 PK			1.00 H	301	56.00	37.80
4	*5180.00	83.7 AV			1.00 H	301	45.90	37.80
5	#10360.00	57.2 PK	74.0	-16.8	1.00 H	98	8.40	48.80
6	#10360.00	43.9 AV	54.0	-10.1	1.00 H	98	-4.90	48.80
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	5150.00	57.4 PK	74.0	-16.6	1.20 V	15	19.60	37.80
2	5150.00	39.2 AV	54.0	-14.8	1.20 V	15	1.40	37.80
3	*5180.00	101.4 PK			1.09 V	4	63.60	37.80
4	*5180.00	91.9 AV			1.09 V	4	54.10	37.80
5	#10360.00	58.7 PK	74.0	-15.3	1.00 V	33	9.90	48.80
6	#10360.00	45.8 AV	54.0	-8.2	1.00 V	33	-3.00	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	*5200.00	93.7 PK			1.00 H	231	55.80	37.90
2	*5200.00	84.1 AV			1.00 H	231	46.20	37.90
3	#6933.00	50.8 PK	74.0	-23.2	1.00 H	349	8.30	42.50
4	#6933.00	39.0 AV	54.0	-15.0	1.00 H	349	-3.50	42.50
5	#10400.00	58.0 PK	74.0	-16.0	1.00 H	54	9.20	48.80
6	#10400.00	45.2 AV	54.0	-8.8	1.00 H	54	-3.60	48.80
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	*5200.00	101.3 PK			1.00 V	41	63.40	37.90
2	*5200.00	92.4 AV			1.00 V	41	54.50	37.90
3	#6933.00	53.4 PK	74.0	-20.6	1.01 V	41	10.90	42.50
4	#6933.00	45.5 AV	54.0	-8.5	1.01 V	41	3.00	42.50
5	#10400.00	59.5 PK	74.0	-14.5	1.23 V	19	10.70	48.80
6	#10400.00	46.5 AV	54.0	-7.5	1.23 V	19	-2.30	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	*5240.00	97.4 PK			1.00 H	302	59.50	37.90
2	*5240.00	87.1 AV			1.00 H	302	49.20	37.90
3	#6986.00	51.1 PK	74.0	-22.9	1.00 H	214	8.50	42.60
4	#6986.00	37.1 AV	54.0	-16.9	1.00 H	214	-5.50	42.60
5	#10480.00	57.7 PK	74.0	-16.3	1.00 H	26	8.70	49.00
6	#10480.00	44.0 AV	54.0	-10.0	1.00 H	26	-5.00	49.00
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	*5240.00	104.6 PK			1.18 V	9	66.70	37.90
2	*5240.00	94.8 AV			1.18 V	9	56.90	37.90
3	#6986.00	52.5 PK	74.0	-21.5	1.00 V	53	9.90	42.60
4	#6986.00	43.1 AV	54.0	-10.9	1.00 V	53	0.50	42.60
5	#10480.00	59.7 PK	74.0	-14.3	1.00 V	263	10.70	49.00
6	#10480.00	46.6 AV	54.0	-7.4	1.00 V	263	-2.40	49.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	*5260.00	97.3 PK			1.00 H	297	59.40	37.90
2	*5260.00	87.2 AV			1.00 H	297	49.30	37.90
3	#7013.00	55.3 PK	74.0	-18.7	1.00 H	124	12.60	42.70
4	#7013.00	45.8 AV	54.0	-8.2	1.00 H	124	3.10	42.70
5	#10520.00	60.0 PK	74.0	-14.0	1.24 H	302	10.90	49.10
6	#10520.00	47.3 AV	54.0	-6.7	1.24 H	302	-1.80	49.10
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	*5260.00	103.6 PK			1.07 V	22	65.70	37.90
2	*5260.00	94.2 AV			1.07 V	22	56.30	37.90
3	#7013.00	55.6 PK	74.0	-18.4	1.00 V	52	12.90	42.70
4	#7013.00	46.3 AV	54.0	-7.7	1.00 V	52	3.60	42.70
5	#10520.00	60.4 PK	74.0	-13.6	1.00 V	125	11.30	49.10
6	#10520.00	46.7 AV	54.0	-7.3	1.00 V	125	-2.40	49.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	*5300.00	100.2 PK			1.02 H	52	62.20	38.00
2	*5300.00	90.1 AV			1.02 H	52	52.10	38.00
3	#7066.00	57.3 PK	74.0	-16.7	1.00 H	58	14.40	42.90
4	#7066.00	48.4 AV	54.0	-5.6	1.00 H	58	5.50	42.90
5	10600.00	58.6 PK	74.0	-15.4	1.00 H	331	9.60	49.00
6	10600.00	45.3 AV	54.0	-8.7	1.00 H	331	-3.70	49.00
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	*5300.00	104.2 PK			1.00 V	47	66.20	38.00
2	*5300.00	93.2 AV			1.00 V	47	55.20	38.00
3	#7066.00	55.2 PK	74.0	-18.8	1.00 V	39	12.30	42.90
4	#7066.00	46.7 AV	54.0	-7.3	1.00 V	39	3.80	42.90
5	10600.00	60.4 PK	74.0	-13.6	1.24 V	27	11.40	49.00
6	10600.00	47.6 AV	54.0	-6.4	1.24 V	27	-1.40	49.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	*5320.00	99.3 PK			1.00 H	96	61.30	38.00
2	*5320.00	89.8 AV			1.00 H	96	51.80	38.00
3	5350.00	50.6 PK	74.0	-23.4	1.00 H	54	12.50	38.10
4	5350.00	36.1 AV	54.0	-17.9	1.00 H	54	-2.00	38.10
5	10640.00	58.7 PK	74.0	-15.3	1.00 H	214	9.50	49.20
6	10640.00	45.3 AV	54.0	-8.7	1.00 H	214	-3.90	49.20
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	*5320.00	105.8 PK			1.04 V	345	67.80	38.00
2	*5320.00	95.6 AV			1.04 V	345	57.60	38.00
3	5350.00	57.9 PK	74.0	-16.1	1.04 V	345	19.80	38.10
4	5350.00	40.6 AV	54.0	-13.4	1.04 V	345	2.50	38.10
5	10640.00	58.2 PK	74.0	-15.8	1.00 V	284	9.00	49.20
6	10640.00	45.3 AV	54.0	-8.7	1.00 V	284	-3.90	49.20

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	5460.00	47.0 PK	74.0	-27.0	1.00 H	105	8.70	38.30
2	5460.00	35.9 AV	54.0	-18.1	1.00 H	105	-2.40	38.30
3	#5470.00	51.5 PK	74.0	-22.5	1.00 H	105	13.20	38.30
4	#5470.00	36.1 AV	54.0	-17.9	1.00 H	105	-2.20	38.30
5	*5500.00	95.3 PK			1.00 H	105	57.00	38.30
6	*5500.00	85.4 AV			1.00 H	105	47.10	38.30
7	11000.00	59.6 PK	74.0	-14.4	1.00 H	149	9.90	49.70
8	11000.00	47.8 AV	54.0	-6.2	1.00 H	149	-1.90	49.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	48.3 PK	74.0	-25.7	1.00 V	318	10.00	38.30
2	5460.00	36.8 AV	54.0	-17.2	1.00 V	318	-1.50	38.30
3	#5470.00	59.4 PK	74.0	-14.6	1.00 V	318	21.10	38.30
4	#5470.00	40.3 AV	54.0	-13.7	1.00 V	318	2.00	38.30
5	*5500.00	105.0 PK			1.00 V	318	66.70	38.30
6	*5500.00	94.0 AV			1.00 V	318	55.70	38.30
7	11000.00	59.6 PK	74.0	-14.4	1.00 V	215	9.90	49.70
8	11000.00	47.3 AV	54.0	-6.7	1.00 V	215	-2.40	49.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	*5580.00	96.4 PK			1.00 H	153	58.00	38.40
2	*5580.00	85.4 AV			1.00 H	153	47.00	38.40
3	7440.00	52.3 PK	74.0	-21.7	1.00 H	351	8.40	43.90
4	7440.00	40.1 AV	54.0	-13.9	1.00 H	351	-3.80	43.90
5	11160.00	58.6 PK	74.0	-15.4	1.00 H	159	9.10	49.50
6	11160.00	45.4 AV	54.0	-8.6	1.00 H	159	-4.10	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.4 PK			1.00 V	320	67.00	38.40
2	*5580.00	94.3 AV			1.00 V	320	55.90	38.40
3	7440.00	55.6 PK	74.0	-18.4	1.00 V	57	11.70	43.90
4	7440.00	46.8 AV	54.0	-7.2	1.00 V	57	2.90	43.90
5	11160.00	59.4 PK	74.0	-14.6	1.54 V	325	9.90	49.50
6	11160.00	46.8 AV	54.0	-7.2	1.54 V	325	-2.70	49.50

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Antony Lee
TEST MODE	B 1		

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	*5700.00	95.6 PK			1.00 H	133	56.90	38.70
2	*5700.00	85.4 AV			1.00 H	133	46.70	38.70
3	#5725.00	47.7 PK	74.0	-26.3	1.00 H	133	9.00	38.70
4	#5725.00	36.2 AV	54.0	-17.8	1.00 H	133	-2.50	38.70
5	11400.00	60.5 PK	74.0	-13.5	1.24 H	27	11.10	49.40
6	11400.00	46.7 AV	54.0	-7.3	1.24 H	27	-2.70	49.40
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	*5700.00	105.1 PK			1.00 V	269	66.40	38.70
2	*5700.00	94.2 AV			1.00 V	269	55.50	38.70
3	#5725.00	52.8 PK	74.0	-21.2	1.00 V	269	14.10	38.70
4	#5725.00	40.5 AV	54.0	-13.5	1.00 V	269	1.80	38.70
5	11400.00	60.3 PK	74.0	-13.7	1.35 V	36	10.90	49.40
6	11400.00	47.2 AV	54.0	-6.8	1.35 V	36	-2.20	49.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	5150.00	51.6 PK	74.0	-22.4	1.13 H	304	13.80	37.80
2	5150.00	34.6 AV	54.0	-19.4	1.13 H	304	-3.20	37.80
3	*5180.00	94.2 PK			1.00 H	302	56.40	37.80
4	*5180.00	83.7 AV			1.00 H	302	45.90	37.80
5	#10360.00	57.4 PK	74.0	-16.6	1.00 H	300	8.60	48.80
6	#10360.00	43.9 AV	54.0	-10.1	1.00 H	300	-4.90	48.80
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	5150.00	59.6 PK	74.0	-14.4	1.08 V	11	21.80	37.80
2	5150.00	41.0 AV	54.0	-13.0	1.08 V	11	3.20	37.80
3	*5180.00	102.3 PK			1.09 V	9	64.50	37.80
4	*5180.00	91.9 AV			1.09 V	9	54.10	37.80
5	#10360.00	57.0 PK	74.0	-17.0	1.00 V	180	8.20	48.80
6	#10360.00	45.8 AV	54.0	-8.2	1.00 V	180	-3.00	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5200.00	94.0 PK			1.01 H	299	56.10	37.90
2	*5200.00	83.8 AV			1.01 H	299	45.90	37.90
3	#10400.00	58.5 PK	74.0	-15.5	1.00 H	300	9.70	48.80
4	#10400.00	46.0 AV	54.0	-8.0	1.00 H	300	-2.80	48.80
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	*5200.00	102.2 PK			1.10 V	10	64.30	37.90
2	*5200.00	92.0 AV			1.10 V	10	54.10	37.90
3	#10400.00	57.9 PK	74.0	-16.1	1.00 V	180	9.10	48.80
4	#10400.00	44.1 AV	54.0	-9.9	1.00 V	180	-4.70	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5240.00	95.5 PK			1.01 H	309	57.60	37.90
2	*5240.00	84.9 AV			1.01 H	309	47.00	37.90
3	#10480.00	58.5 PK	74.0	-15.5	1.11 H	350	9.50	49.00
4	#10480.00	46.0 AV	54.0	-8.0	1.11 H	350	-3.00	49.00
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	*5240.00	103.7 PK			1.11 V	5	65.80	37.90
2	*5240.00	92.2 AV			1.11 V	5	54.30	37.90
3	#10480.00	57.7 PK	74.0	-16.3	1.13 V	10	8.70	49.00
4	#10480.00	43.8 AV	54.0	-10.2	1.13 V	10	-5.20	49.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5260.00	96.3 PK			1.00 H	309	58.40	37.90
2	*5260.00	85.4 AV			1.00 H	309	47.50	37.90
3	#10520.00	57.7 PK	74.0	-16.3	1.00 H	360	8.60	49.10
4	#10520.00	44.9 AV	54.0	-9.1	1.00 H	360	-4.20	49.10
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	*5260.00	104.0 PK			1.10 V	24	66.10	37.90
2	*5260.00	93.7 AV			1.10 V	24	55.80	37.90
3	#10520.00	58.4 PK	74.0	-15.6	1.02 V	180	9.30	49.10
4	#10520.00	45.3 AV	54.0	-8.7	1.02 V	180	-3.80	49.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5300.00	96.1 PK			1.02 H	310	58.10	38.00
2	*5300.00	85.8 AV			1.02 H	310	47.80	38.00
3	10600.00	57.6 PK	74.0	-16.4	1.20 H	180	8.60	49.00
4	10600.00	44.3 AV	54.0	-9.7	1.20 H	180	-4.70	49.00
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	*5300.00	104.1 PK			1.08 V	7	66.10	38.00
2	*5300.00	93.7 AV			1.08 V	7	55.70	38.00
3	10600.00	58.5 PK	74.0	-15.5	1.08 V	0	9.50	49.00
4	10600.00	45.9 AV	54.0	-8.1	1.08 V	0	-3.10	49.00

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5320.00	98.5 PK			1.10 H	306	60.50	38.00
2	*5320.00	88.4 AV			1.10 H	306	50.40	38.00
3	5350.00	49.2 PK	74.0	-24.8	1.08 H	307	11.10	38.10
4	5350.00	35.6 AV	54.0	-18.4	1.08 H	307	-2.50	38.10
5	10640.00	58.0 PK	74.0	-16.0	1.08 H	360	8.80	49.20
6	10640.00	44.5 AV	54.0	-9.5	1.08 H	360	-4.70	49.20
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	*5320.00	105.5 PK			1.01 V	350	67.50	38.00
2	*5320.00	95.4 AV			1.01 V	350	57.40	38.00
3	5350.00	57.4 PK	74.0	-16.6	1.01 V	350	19.30	38.10
4	5350.00	40.4 AV	54.0	-13.6	1.01 V	350	2.30	38.10
5	10640.00	58.6 PK	74.0	-15.4	1.00 V	310	9.40	49.20
6	10640.00	46.0 AV	54.0	-8.0	1.00 V	310	-3.20	49.20

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	5448.00	46.5 PK	74.0	-27.5	1.31 H	302	8.30	38.20
2	5448.00	37.2 AV	54.0	-16.8	1.31 H	302	-1.00	38.20
3	#5470.00	50.8 PK	74.0	-23.2	1.31 H	302	12.50	38.30
4	#5470.00	36.7 AV	54.0	-17.3	1.31 H	302	-1.60	38.30
5	*5500.00	97.4 PK			1.28 H	302	59.10	38.30
6	*5500.00	87.1 AV			1.28 H	302	48.80	38.30
7	11000.00	57.7 PK	74.0	-16.3	1.04 H	10	8.00	49.70
8	11000.00	45.1 AV	54.0	-8.9	1.04 H	10	-4.60	49.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5448.00	53.9 PK	74.0	-20.1	1.14 V	3	15.70	38.20
2	5448.00	43.6 AV	54.0	-10.4	1.14 V	3	5.40	38.20
3	#5470.00	59.5 PK	74.0	-14.5	1.14 V	3	21.20	38.30
4	#5470.00	42.5 AV	54.0	-11.5	1.14 V	3	4.20	38.30
5	*5500.00	105.9 PK			1.13 V	3	67.60	38.30
6	*5500.00	95.5 AV			1.13 V	3	57.20	38.30
7	11000.00	57.2 PK	74.0	-16.8	1.00 V	310	7.50	49.70
8	11000.00	45.4 AV	54.0	-8.6	1.00 V	310	-4.30	49.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5580.00	97.5 PK			1.29 H	311	59.10	38.40
2	*5580.00	87.3 AV			1.29 H	311	48.90	38.40
3	11160.00	58.6 PK	74.0	-15.4	1.29 H	360	9.10	49.50
4	11160.00	44.7 AV	54.0	-9.3	1.29 H	360	-4.80	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	106.0 PK			1.11 V	10	67.60	38.40
2	*5580.00	95.4 AV			1.11 V	10	57.00	38.40
3	11160.00	59.6 PK	74.0	-14.4	1.30 V	180	10.10	49.50
4	11160.00	45.7 AV	54.0	-8.3	1.30 V	180	-3.80	49.50

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5700.00	97.6 PK			1.37 H	327	58.90	38.70
2	*5700.00	87.5 AV			1.37 H	327	48.80	38.70
3	#5725.00	53.7 PK	74.0	-20.3	1.37 H	327	15.00	38.70
4	#5725.00	37.2 AV	54.0	-16.8	1.37 H	327	-1.50	38.70
5	#10400.00	57.7 PK	74.0	-16.3	1.30 H	10	8.90	48.80
6	#10400.00	44.2 AV	54.0	-9.8	1.30 H	10	-4.60	48.80
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	*5700.00	106.1 PK			1.07 V	4	67.40	38.70
2	*5700.00	95.6 AV			1.07 V	4	56.90	38.70
3	#5725.00	60.9 PK	74.0	-13.1	1.07 V	0	22.20	38.70
4	#5725.00	44.5 AV	54.0	-9.5	1.07 V	0	5.80	38.70
5	#10400.00	57.4 PK	74.0	-16.6	1.07 V	360	8.60	48.80
6	#10400.00	44.5 AV	54.0	-9.5	1.07 V	360	-4.30	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	5150.00	57.0 PK	74.0	-17.0	1.00 H	341	19.20	37.80
2	5150.00	43.5 AV	54.0	-10.5	1.00 H	341	5.70	37.80
3	*5190.00	90.0 PK			1.01 H	340	52.20	37.80
4	*5190.00	79.8 AV			1.01 H	340	42.00	37.80
5	#10380.00	57.4 PK	74.0	-16.6	1.00 H	180	8.60	48.80
6	#10380.00	44.2 AV	54.0	-9.8	1.00 H	180	-4.60	48.80
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	5150.00	67.2 PK	74.0	-6.8	1.36 V	138	29.40	37.80
2	5150.00	52.0 AV	54.0	-2.0	1.36 V	138	14.20	37.80
3	*5190.00	98.7 PK			1.36 V	147	60.90	37.80
4	*5190.00	88.4 AV			1.36 V	147	50.60	37.80
5	#10380.00	57.6 PK	74.0	-16.4	1.03 V	360	8.80	48.80
6	#10380.00	45.7 AV	54.0	-8.3	1.03 V	360	-3.10	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5230.00	91.8 PK			1.00 H	354	53.90	37.90
2	*5230.00	81.4 AV			1.00 H	354	43.50	37.90
3	#10460.00	57.6 PK	74.0	-16.4	1.04 H	360	8.60	49.00
4	#10460.00	44.6 AV	54.0	-9.4	1.04 H	360	-4.40	49.00
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	*5230.00	99.1 PK			1.35 V	151	61.20	37.90
2	*5230.00	89.0 AV			1.35 V	151	51.10	37.90
3	#10460.00	58.0 PK	74.0	-16.0	1.00 V	0	9.00	49.00
4	#10460.00	45.9 AV	54.0	-8.1	1.00 V	0	-3.10	49.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5270.00	93.9 PK			1.00 H	351	55.90	38.00
2	*5270.00	83.5 AV			1.00 H	351	45.50	38.00
3	#10540.00	57.8 PK	74.0	-16.2	1.01 H	0	8.70	49.10
4	#10540.00	44.5 AV	54.0	-9.5	1.01 H	0	-4.60	49.10
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	*5270.00	99.8 PK			1.10 V	153	61.80	38.00
2	*5270.00	89.5 AV			1.10 V	153	51.50	38.00
3	#10540.00	57.9 PK	74.0	-16.1	1.04 V	360	8.80	49.10
4	#10540.00	46.0 AV	54.0	-8.0	1.04 V	360	-3.10	49.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 62	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5310.00	95.9 PK			1.00 H	353	57.90	38.00
2	*5310.00	85.8 AV			1.00 H	353	47.80	38.00
3	5350.00	64.7 PK	74.0	-9.3	1.00 H	353	26.60	38.10
4	5350.00	49.7 AV	54.0	-4.3	1.00 H	353	11.60	38.10
5	10620.00	57.9 PK	74.0	-16.1	1.00 H	230	8.80	49.10
6	10620.00	44.5 AV	54.0	-9.5	1.00 H	230	-4.60	49.10
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	*5310.00	100.5 PK			1.10 V	159	62.50	38.00
2	*5310.00	90.3 AV			1.10 V	159	52.30	38.00
3	5350.00	65.4 PK	74.0	-8.6	1.00 V	142	27.30	38.10
4	5350.00	52.0 AV	54.0	-2.0	1.00 V	142	13.90	38.10
5	10620.00	57.9 PK	74.0	-16.1	1.30 V	10	8.80	49.10
6	10620.00	46.0 AV	54.0	-8.0	1.30 V	10	-3.10	49.10

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).
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 102	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	5460.00	56.2 PK	74.0	-17.8	1.05 H	356	17.90	38.30
2	5460.00	42.0 AV	54.0	-12.0	1.05 H	356	3.70	38.30
3	#5470.00	62.7 PK	74.0	-11.3	1.05 H	356	24.40	38.30
4	#5470.00	48.4 AV	54.0	-5.6	1.05 H	356	10.10	38.30
5	*5510.00	95.9 PK			1.00 H	357	57.50	38.40
6	*5510.00	85.8 AV			1.00 H	357	47.40	38.40
7	11020.00	58.3 PK	74.0	-15.7	1.05 H	0	8.70	49.60
8	11020.00	45.2 AV	54.0	-8.8	1.05 H	0	-4.40	49.60
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	5460.00	57.5 PK	74.0	-16.5	1.09 V	34	19.20	38.30
2	5460.00	43.1 AV	54.0	-10.9	1.09 V	34	4.80	38.30
3	#5470.00	63.8 PK	74.0	-10.2	1.09 V	34	25.50	38.30
4	#5470.00	50.2 AV	54.0	-3.8	1.09 V	34	11.90	38.30
5	*5510.00	98.5 PK			1.08 V	34	60.10	38.40
6	*5510.00	88.1 AV			1.08 V	34	49.70	38.40
7	11050.00	58.9 PK	74.0	-15.1	1.10 V	180	9.30	49.60
8	11050.00	46.9 AV	54.0	-7.1	1.10 V	180	-2.70	49.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 110	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5550.00	95.8 PK			1.07 H	359	57.40	38.40
2	*5550.00	85.7 AV			1.07 H	359	47.30	38.40
3	11100.00	58.5 PK	74.0	-15.5	1.10 H	360	9.00	49.50
4	11100.00	45.4 AV	54.0	-8.6	1.10 H	360	-4.10	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	99.3 PK			1.10 V	41	60.90	38.40
2	*5550.00	89.2 AV			1.10 V	41	50.80	38.40
3	11100.00	58.5 PK	74.0	-15.5	1.10 V	170	9.00	49.50
4	11100.00	46.6 AV	54.0	-7.4	1.10 V	170	-2.90	49.50

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 134	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 1		

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	*5670.00	95.7 PK			1.04 H	350	57.10	38.60
2	*5670.00	85.6 AV			1.04 H	350	47.00	38.60
3	#5725.00	51.0 PK	74.0	-23.0	1.04 H	350	12.30	38.70
4	#5725.00	37.1 AV	54.0	-16.9	1.04 H	350	-1.60	38.70
5	11340.00	58.3 PK	74.0	-15.7	1.08 H	0	8.80	49.50
6	11340.00	45.1 AV	54.0	-8.9	1.08 H	0	-4.40	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	99.8 PK			1.35 V	122	61.20	38.60
2	*5670.00	89.8 AV			1.35 V	122	51.20	38.60
3	#5725.00	51.8 PK	74.0	-22.2	1.08 V	114	13.10	38.70
4	#5725.00	39.1 AV	54.0	-14.9	1.08 V	114	0.40	38.70
5	11340.00	58.7 PK	74.0	-15.3	1.08 V	360	9.20	49.50
6	11340.00	46.6 AV	54.0	-7.4	1.08 V	360	-2.90	49.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Monopole Antenna_2 TX

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	5150.00	45.4 PK	74.0	-28.6	1.00 H	288	7.60	37.80
2	5150.00	34.3 AV	54.0	-19.7	1.00 H	288	-3.50	37.80
3	*5180.00	95.1 PK			1.00 H	302	57.30	37.80
4	*5180.00	83.5 AV			1.00 H	302	45.70	37.80
5	#10360.00	57.2 PK	74.0	-16.8	1.17 H	120	8.40	48.80
6	#10360.00	44.2 AV	54.0	-9.8	1.17 H	120	-4.60	48.80
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	5150.00	55.0 PK	74.0	-19.0	1.08 V	11	17.20	37.80
2	5150.00	39.4 AV	54.0	-14.6	1.08 V	11	1.60	37.80
3	*5180.00	103.5 PK			1.09 V	0	65.70	37.80
4	*5180.00	92.0 AV			1.09 V	0	54.20	37.80
5	#10360.00	57.5 PK	74.0	-16.5	1.20 V	360	8.70	48.80
6	#10360.00	44.5 AV	54.0	-9.5	1.20 V	360	-4.30	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 40	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5200.00	95.8 PK			1.00 H	291	57.90	37.90
2	*5200.00	84.1 AV			1.00 H	291	46.20	37.90
3	#10400.00	57.4 PK	74.0	-16.6	1.10 H	350	8.60	48.80
4	#10400.00	44.3 AV	54.0	-9.7	1.10 H	350	-4.50	48.80

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	*5200.00	104.1 PK			1.10 V	1	66.20	37.90
2	*5200.00	92.7 AV			1.10 V	1	54.80	37.90
3	#10400.00	57.8 PK	74.0	-16.2	1.20 V	0	9.00	48.80
4	#10400.00	44.7 AV	54.0	-9.3	1.20 V	0	-4.10	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 48	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5240.00	96.4 PK			1.00 H	301	58.50	37.90
2	*5240.00	84.8 AV			1.00 H	301	46.90	37.90
3	#10480.00	58.0 PK	74.0	-16.0	1.00 H	150	9.00	49.00
4	#10480.00	44.7 AV	54.0	-9.3	1.00 H	150	-4.30	49.00
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	*5240.00	104.7 PK			1.09 V	360	66.80	37.90
2	*5240.00	93.4 AV			1.09 V	360	55.50	37.90
3	#10480.00	58.3 PK	74.0	-15.7	1.01 V	350	9.30	49.00
4	#10480.00	45.0 AV	54.0	-9.0	1.01 V	350	-4.00	49.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 52	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5260.00	97.6 PK			1.02 H	296	59.70	37.90
2	*5260.00	86.1 AV			1.02 H	296	48.20	37.90
3	#10520.00	57.5 PK	74.0	-16.5	1.02 H	360	8.40	49.10
4	#10520.00	44.4 AV	54.0	-9.6	1.02 H	360	-4.70	49.10
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	*5260.00	106.0 PK			1.01 V	358	68.10	37.90
2	*5260.00	95.2 AV			1.01 V	358	57.30	37.90
3	#10520.00	57.8 PK	74.0	-16.2	1.00 V	0	8.70	49.10
4	#10520.00	44.7 AV	54.0	-9.3	1.00 V	0	-4.40	49.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 60	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5300.00	99.7 PK			1.00 H	48	61.70	38.00
2	*5300.00	88.6 AV			1.00 H	48	50.60	38.00
3	10600.00	58.4 PK	74.0	-15.6	1.00 H	300	9.40	49.00
4	10600.00	44.7 AV	54.0	-9.3	1.00 H	300	-4.30	49.00
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	*5300.00	107.9 PK			1.05 V	355	69.90	38.00
2	*5300.00	96.4 AV			1.05 V	355	58.40	38.00
3	10600.00	58.5 PK	74.0	-15.5	1.20 V	180	9.50	49.00
4	10600.00	45.0 AV	54.0	-9.0	1.20 V	180	-4.00	49.00

REMARKS:

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

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 64	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5320.00	100.4 PK			1.03 H	55	62.40	38.00
2	*5320.00	89.2 AV			1.03 H	55	51.20	38.00
3	5350.00	49.5 PK	74.0	-24.5	1.19 H	54	11.40	38.10
4	5350.00	36.8 AV	54.0	-17.2	1.19 H	54	-1.30	38.10
5	10640.00	57.8 PK	74.0	-16.2	1.10 H	180	8.60	49.20
6	10640.00	44.6 AV	54.0	-9.4	1.10 H	180	-4.60	49.20
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	*5320.00	108.2 PK			1.06 V	348	70.20	38.00
2	*5320.00	96.5 AV			1.06 V	348	58.50	38.00
3	5350.00	56.5 PK	74.0	-17.5	1.04 V	348	18.40	38.10
4	5350.00	42.6 AV	54.0	-11.4	1.04 V	348	4.50	38.10
5	10640.00	58.3 PK	74.0	-15.7	1.02 V	180	9.10	49.20
6	10640.00	45.1 AV	54.0	-8.9	1.02 V	180	-4.10	49.20

REMARKS:

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

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 100	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	5448.00	47.1 PK	74.0	-26.9	1.08 H	209	8.90	38.20
2	5448.00	36.0 AV	54.0	-18.0	1.08 H	209	-2.20	38.20
3	#5470.00	47.6 PK	74.0	-26.4	1.08 H	209	9.30	38.30
4	#5470.00	34.4 AV	54.0	-19.6	1.08 H	209	-3.90	38.30
5	*5500.00	97.3 PK			1.00 H	206	59.00	38.30
6	*5500.00	85.7 AV			1.00 H	206	47.40	38.30
7	11000.00	58.5 PK	74.0	-15.5	1.08 H	360	8.80	49.70
8	11000.00	45.3 AV	54.0	-8.7	1.08 H	360	-4.40	49.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5448.00	53.6 PK	74.0	-20.4	1.00 V	285	15.40	38.20
2	5448.00	41.0 AV	54.0	-13.0	1.00 V	285	2.80	38.20
3	5460.00	52.1 PK	74.0	-21.9	1.00 V	285	13.80	38.30
4	5460.00	39.0 AV	54.0	-15.0	1.00 V	285	0.70	38.30
5	*5500.00	105.5 PK			1.01 V	289	67.20	38.30
6	*5500.00	93.8 AV			1.01 V	289	55.50	38.30
7	11000.00	59.0 PK	74.0	-15.0	1.00 V	280	9.30	49.70
8	11000.00	45.8 AV	54.0	-8.2	1.00 V	280	-3.90	49.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 116	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5580.00	97.8 PK			1.10 H	210	59.40	38.40
2	*5580.00	86.4 AV			1.10 H	210	48.00	38.40
3	11160.00	58.1 PK	74.0	-15.9	1.00 H	350	8.60	49.50
4	11160.00	45.0 AV	54.0	-9.0	1.00 H	350	-4.50	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.8 PK			1.02 V	284	67.40	38.40
2	*5580.00	94.1 AV			1.02 V	284	55.70	38.40
3	11160.00	58.2 PK	74.0	-15.8	1.07 V	0	8.70	49.50
4	11160.00	45.3 AV	54.0	-8.7	1.07 V	0	-4.20	49.50

REMARKS:

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

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 140	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5700.00	98.3 PK			1.05 H	209	59.60	38.70
2	*5700.00	87.0 AV			1.05 H	209	48.30	38.70
3	#5725.00	51.1 PK	74.0	-22.9	1.04 H	210	12.40	38.70
4	#5725.00	37.5 AV	54.0	-16.5	1.04 H	210	-1.20	38.70
5	11400.00	58.2 PK	74.0	-15.8	1.04 H	0	8.80	49.40
6	11400.00	45.2 AV	54.0	-8.8	1.04 H	0	-4.20	49.40
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	*5700.00	106.3 PK			1.07 V	285	67.60	38.70
2	*5700.00	94.6 AV			1.07 V	285	55.90	38.70
3	#5725.00	58.3 PK	74.0	-15.7	1.07 V	285	19.60	38.70
4	#5725.00	43.6 AV	54.0	-10.4	1.07 V	285	4.90	38.70
5	11400.00	58.4 PK	74.0	-15.6	1.05 V	10	9.00	49.40
6	11400.00	45.2 AV	54.0	-8.8	1.05 V	10	-4.20	49.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 38	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	5150.00	53.7 PK	74.0	-20.3	1.00 H	342	15.90	37.80
2	5150.00	40.8 AV	54.0	-13.2	1.00 H	342	3.00	37.80
3	*5190.00	90.4 PK			1.00 H	341	52.60	37.80
4	*5190.00	78.8 AV			1.00 H	341	41.00	37.80
5	#10380.00	57.4 PK	74.0	-16.6	1.00 H	360	8.60	48.80
6	#10380.00	44.3 AV	54.0	-9.7	1.00 H	360	-4.50	48.80
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	5150.00	65.1 PK	74.0	-8.9	1.36 V	137	27.30	37.80
2	5150.00	48.3 AV	54.0	-5.7	1.36 V	137	10.50	37.80
3	*5190.00	98.2 PK			1.34 V	131	60.40	37.80
4	*5190.00	87.1 AV			1.34 V	131	49.30	37.80
5	#10380.00	57.8 PK	74.0	-16.2	1.30 V	0	9.00	48.80
6	#10380.00	45.8 AV	54.0	-8.2	1.30 V	0	-3.00	48.80

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 46	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5230.00	92.1 PK			1.00 H	339	54.20	37.90
2	*5230.00	80.4 AV			1.00 H	339	42.50	37.90
3	#10460.00	57.6 PK	74.0	-16.4	1.14 H	360	8.60	49.00
4	#10460.00	44.6 AV	54.0	-9.4	1.14 H	360	-4.40	49.00
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	*5230.00	98.7 PK			1.33 V	90	60.80	37.90
2	*5230.00	87.6 AV			1.33 V	90	49.70	37.90
3	#10460.00	58.1 PK	74.0	-15.9	1.10 V	10	9.10	49.00
4	#10460.00	45.8 AV	54.0	-8.2	1.10 V	10	-3.20	49.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 54	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5270.00	94.5 PK			1.00 H	314	56.50	38.00
2	*5270.00	82.8 AV			1.00 H	314	44.80	38.00
3	#10540.00	57.5 PK	74.0	-16.5	1.10 H	360	8.40	49.10
4	#10540.00	44.5 AV	54.0	-9.5	1.10 H	360	-4.60	49.10
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	*5270.00	99.2 PK			1.23 V	101	61.20	38.00
2	*5270.00	88.6 AV			1.23 V	101	50.60	38.00
3	#10540.00	57.8 PK	74.0	-16.2	1.00 V	0	8.70	49.10
4	#10540.00	46.0 AV	54.0	-8.0	1.00 V	0	-3.10	49.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 62	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5310.00	95.9 PK			1.00 H	347	57.90	38.00
2	*5310.00	84.9 AV			1.00 H	347	46.90	38.00
3	5350.00	61.2 PK	74.0	-12.8	1.09 H	345	23.10	38.10
4	5350.00	47.7 AV	54.0	-6.3	1.09 H	345	9.60	38.10
5	10620.00	57.9 PK	74.0	-16.1	1.00 H	0	8.80	49.10
6	10620.00	44.6 AV	54.0	-9.4	1.00 H	0	-4.50	49.10
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	*5310.00	100.7 PK			1.36 V	117	62.70	38.00
2	*5310.00	89.1 AV			1.36 V	117	51.10	38.00
3	5350.00	65.2 PK	74.0	-8.8	1.33 V	83	27.10	38.10
4	**5350.00**	**52.0 AV**	**54.0**	**-2.0**	**1.33 V**	**83**	**13.90**	**38.10**
5	10620.00	58.0 PK	74.0	-16.0	1.30 V	0	8.90	49.10
6	10620.00	46.0 AV	54.0	-8.0	1.30 V	0	-3.10	49.10

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).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 102	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	5460.00	50.4 PK	74.0	-23.6	1.03 H	192	12.10	38.30
2	5460.00	37.5 AV	54.0	-16.5	1.03 H	192	-0.80	38.30
3	#5470.00	59.9 PK	74.0	-14.1	1.03 H	192	21.60	38.30
4	#5470.00	44.0 AV	54.0	-10.0	1.03 H	192	5.70	38.30
5	*5510.00	96.0 PK			1.01 H	195	57.60	38.40
6	*5510.00	84.6 AV			1.01 H	195	46.20	38.40
7	11020.00	58.5 PK	74.0	-15.5	1.03 H	360	8.90	49.60
8	11020.00	45.2 AV	54.0	-8.8	1.03 H	360	-4.40	49.60
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	5460.00	54.3 PK	74.0	-19.7	1.41 V	117	16.00	38.30
2	5460.00	39.7 AV	54.0	-14.3	1.41 V	117	1.40	38.30
3	#5470.00	62.8 PK	74.0	-11.2	1.41 V	117	24.50	38.30
4	#5470.00	47.7 AV	54.0	-6.3	1.41 V	117	9.40	38.30
5	*5510.00	98.3 PK			1.41 V	116	59.90	38.40
6	*5510.00	87.2 AV			1.41 V	116	48.80	38.40
7	11020.00	58.6 PK	74.0	-15.4	1.30 V	10	9.00	49.60
8	11020.00	46.7 AV	54.0	-7.3	1.30 V	10	-2.90	49.60

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 110	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5550.00	95.8 PK			1.02 H	180	57.40	38.40
2	*5550.00	84.7 AV			1.02 H	180	46.30	38.40
3	11100.00	58.6 PK	74.0	-15.4	1.04 H	300	9.10	49.50
4	11100.00	44.9 AV	54.0	-9.1	1.04 H	300	-4.60	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	98.7 PK			1.37 V	109	60.30	38.40
2	*5550.00	88.1 AV			1.37 V	109	49.70	38.40
3	11100.00	58.8 PK	74.0	-15.2	1.09 V	350	9.30	49.50
4	11100.00	46.8 AV	54.0	-7.2	1.09 V	350	-2.70	49.50

REMARKS:

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

EUT TEST CONDITION		MEBSUREMENT DETBIL	
CHBNNEL	Channel 134	FREQUENCY RBNGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTBL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	*5670.00	95.6 PK			1.04 H	348	57.00	38.60
2	*5670.00	84.8 AV			1.04 H	348	46.20	38.60
3	#5725.00	45.2 PK	74.0	-28.8	1.03 H	350	6.50	38.70
4	#5725.00	35.2 AV	54.0	-18.8	1.03 H	350	-3.50	38.70
5	11340.00	58.4 PK	74.0	-15.6	1.05 H	0	8.90	49.50
6	11340.00	45.2 AV	54.0	-8.8	1.05 H	0	-4.30	49.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	99.1 PK			1.39 V	110	60.50	38.60
2	*5670.00	88.6 AV			1.39 V	110	50.00	38.60
3	#5725.00	47.8 PK	74.0	-26.2	1.39 V	110	9.10	38.70
4	#5725.00	37.6 AV	54.0	-16.4	1.39 V	110	-1.10	38.70
5	11340.00	58.7 PK	74.0	-15.3	1.03 V	360	9.20	49.50
6	11340.00	46.6 AV	54.0	-7.4	1.03 V	360	-2.90	49.50

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

PIFA Antenna_2TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu
TEST MODE	A 2		

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	175.43	37.9 QP	43.5	-5.6	2.00 H	295	24.90	13.00
2	187.07	38.6 QP	43.5	-4.9	1.50 H	286	26.70	11.90
3	359.77	33.1 QP	46.0	-12.9	1.00 H	3	16.90	16.20
4	749.79	36.0 QP	46.0	-10.0	1.25 H	56	12.60	23.40
5	792.48	39.9 QP	46.0	-6.1	1.00 H	43	15.50	24.40
6	905.02	35.0 QP	46.0	-11.0	1.25 H	230	9.20	25.80
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	156.03	31.6 QP	43.5	-11.9	1.24 V	256	17.60	14.00
2	192.89	32.9 QP	43.5	-10.6	1.00 V	15	21.50	11.40
3	398.58	26.0 QP	46.0	-20.0	1.74 V	265	8.90	17.10
4	693.52	27.9 QP	46.0	-18.1	1.74 V	178	5.80	22.10
5	790.54	39.3 QP	46.0	-6.7	1.49 V	136	14.90	24.40
6	901.14	37.5 QP	46.0	-8.5	1.00 V	311	11.70	25.80

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 67%RH	TESTED BY	Cedric Wu

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	198.71	40.5 QP	43.5	-3.0	1.25 H	278	29.60	10.90
2	249.17	30.9 QP	46.0	-15.1	1.00 H	96	18.10	12.80
3	408.28	29.5 QP	46.0	-16.5	1.50 H	39	12.20	17.30
4	693.52	29.1 QP	46.0	-16.9	1.75 H	264	7.00	22.10
5	800.24	37.4 QP	46.0	-8.6	1.00 H	38	12.80	24.60
6	949.65	38.3 QP	46.0	-7.7	1.25 H	242	12.10	26.20
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	119.16	29.6 QP	43.5	-13.9	1.00 V	211	17.90	11.70
2	183.19	34.5 QP	43.5	-9.0	1.49 V	16	22.30	12.20
3	359.77	26.6 QP	46.0	-19.4	1.24 V	309	10.40	16.20
4	474.25	28.5 QP	46.0	-17.5	1.24 V	168	9.60	18.90
5	837.11	42.5 QP	46.0	-3.5	1.74 V	82	17.40	25.10
6	949.65	39.6 QP	46.0	-6.4	1.00 V	320	13.40	26.20

REMARKS:

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

Monopole Antenna_2TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	74.62	31.9 QP	40.0	-8.1	1.50 H	346	20.70	11.20
2	262.80	35.6 QP	46.0	-10.4	1.50 H	137	22.10	13.50
3	299.66	36.0 QP	46.0	-10.0	1.00 H	259	21.10	14.90
4	336.52	32.1 QP	46.0	-13.9	1.00 H	115	16.20	15.90
5	522.76	35.7 QP	46.0	-10.3	1.50 H	123	15.00	20.70
6	763.32	29.3 QP	46.0	-16.7	1.00 H	246	4.90	24.40
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	74.62	35.1 QP	40.0	-4.9	1.50 V	325	23.90	11.20
2	260.86	34.9 QP	46.0	-11.1	2.00 V	184	21.50	13.40
3	299.66	35.8 QP	46.0	-10.2	1.50 V	180	20.90	14.90
4	336.52	38.5 QP	46.0	-7.5	1.50 V	173	22.60	15.90
5	524.70	38.4 QP	46.0	-7.6	1.00 V	36	17.70	20.70
6	672.14	31.8 QP	46.0	-14.2	1.00 V	16	9.10	22.70

REMARKS:

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Match Tsui
TEST MODE	B 2		

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	74.62	31.8 QP	40.0	-8.2	1.50 H	6	20.60	11.20
2	231.76	33.9 QP	46.0	-12.1	1.00 H	100	21.60	12.30
3	299.66	35.3 QP	46.0	-10.7	1.00 H	242	20.40	14.90
4	348.16	32.5 QP	46.0	-13.5	1.00 H	187	16.30	16.20
5	524.70	38.3 QP	46.0	-7.7	1.50 H	121	17.60	20.70
6	833.16	29.8 QP	46.0	-16.2	1.00 H	240	4.10	25.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	74.62	36.5 QP	40.0	-3.5	1.00 V	281	25.30	11.20
2	260.86	34.4 QP	46.0	-11.6	2.00 V	175	21.00	13.40
3	297.72	38.1 QP	46.0	-7.9	1.50 V	169	23.30	14.80
4	336.52	37.6 QP	46.0	-8.4	1.50 V	162	21.70	15.90
5	524.70	37.4 QP	46.0	-8.6	1.00 V	49	16.70	20.70
6	600.36	34.3 QP	46.0	-11.7	1.50 V	82	11.80	22.50

REMARKS:

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

4.2 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

Test date: Oct. 26, 2012

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Nov. 23, 2011	Nov. 22, 2012
RF signal cable Woken	5D-FB	Cable-HYC01-01	Dec. 29, 2011	Dec. 28, 2012
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Jul. 02, 2012	Jul. 01, 2013
LISN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Feb. 07, 2012	Feb. 06, 2013
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 1.

3. The VCCI Site Registration No. is C-2040.

Test date: Dec. 11, 2012

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Nov. 09, 2012	Nov. 08, 2013
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 29, 2011	Dec. 28, 2012
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 30, 2011	Dec. 29, 2012
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Jul. 06, 2012	Jul. 05, 2013
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.

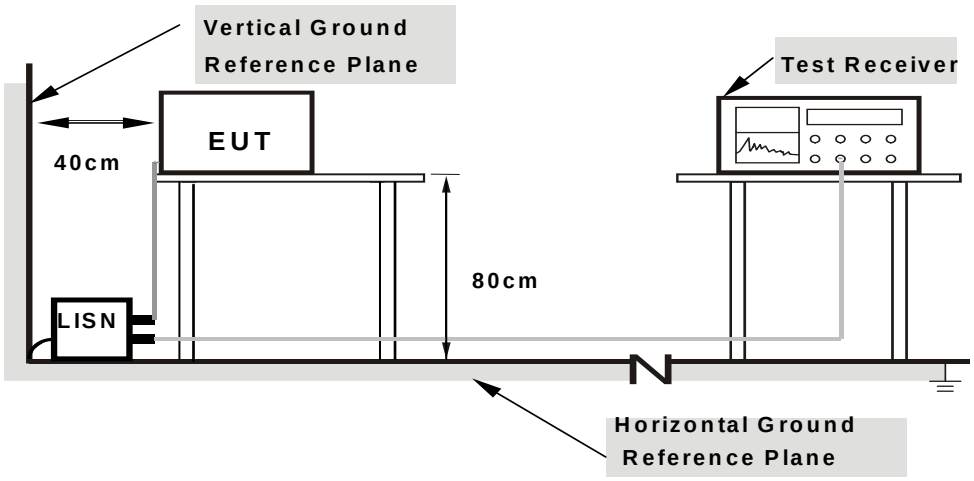
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

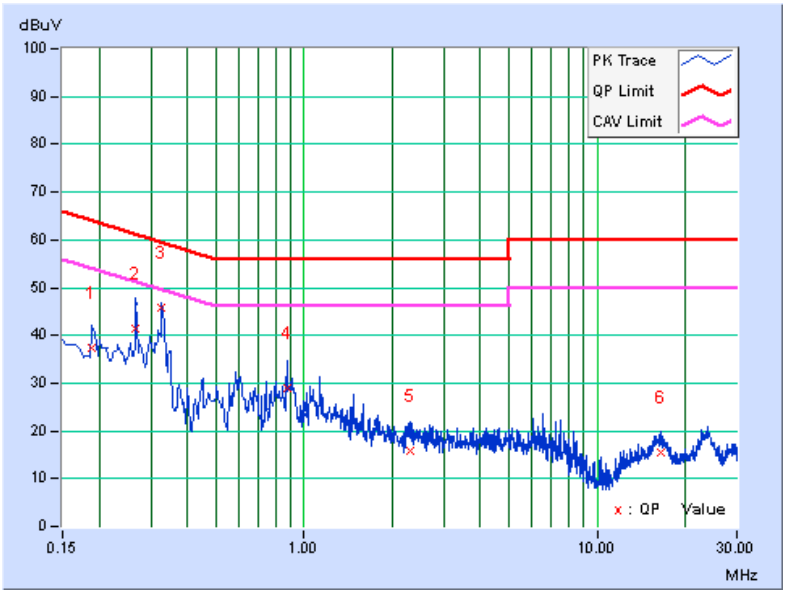
CONDUCTED WORST-CASE DATA：802.11n (20MHz)

PIFA Antenna_2TX

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 64	TEST MODE	A 2

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	0.18903	0.13	37.26	29.98	37.39	30.11	64.08	54.08	-26.69	-23.97
2	0.26730	0.13	41.12	27.27	41.25	27.40	61.20	51.20	-19.95	-23.80
3	0.32614	0.13	45.75	41.65	45.88	41.78	59.55	49.55	-13.67	-7.77
4	0.87335	0.18	28.66	19.77	28.84	19.95	56.00	46.00	-27.16	-26.05
5	2.30832	0.24	15.74	10.40	15.98	10.64	56.00	46.00	-40.02	-35.36
6	16.48989	0.98	14.37	10.30	15.35	11.28	60.00	50.00	-44.65	-38.72

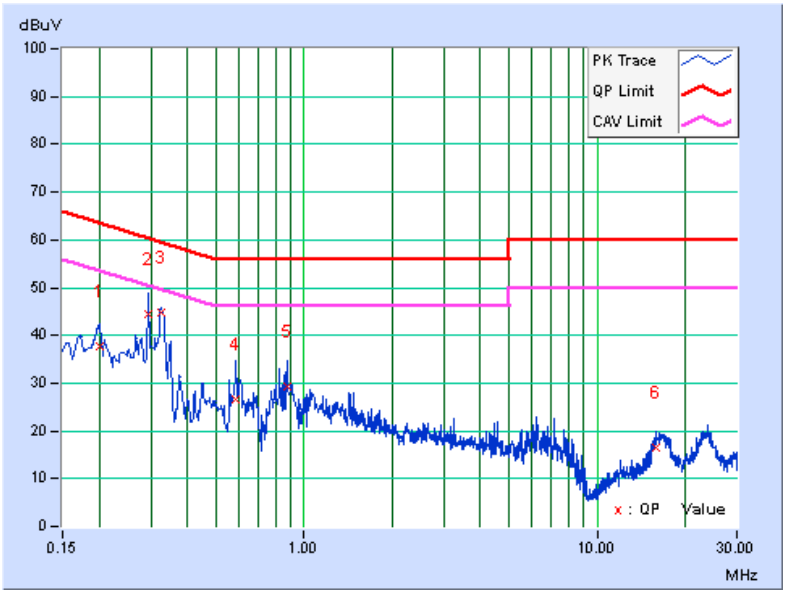
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 64	TEST MODE	A 2

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	0.20031	0.14	37.50	29.05	37.64	29.19	63.60	53.60	-25.96	-24.41
2	0.29467	0.14	44.21	31.90	44.35	32.04	60.39	50.39	-16.04	-18.35
3	0.32357	0.15	44.59	38.58	44.74	38.73	59.61	49.61	-14.88	-10.89
4	0.58384	0.17	26.59	20.69	26.76	20.86	56.00	46.00	-29.24	-25.14
5	0.87372	0.20	29.22	20.84	29.42	21.04	56.00	46.00	-26.58	-24.96
6	15.95031	0.82	15.63	11.66	16.45	12.48	60.00	50.00	-43.55	-37.52

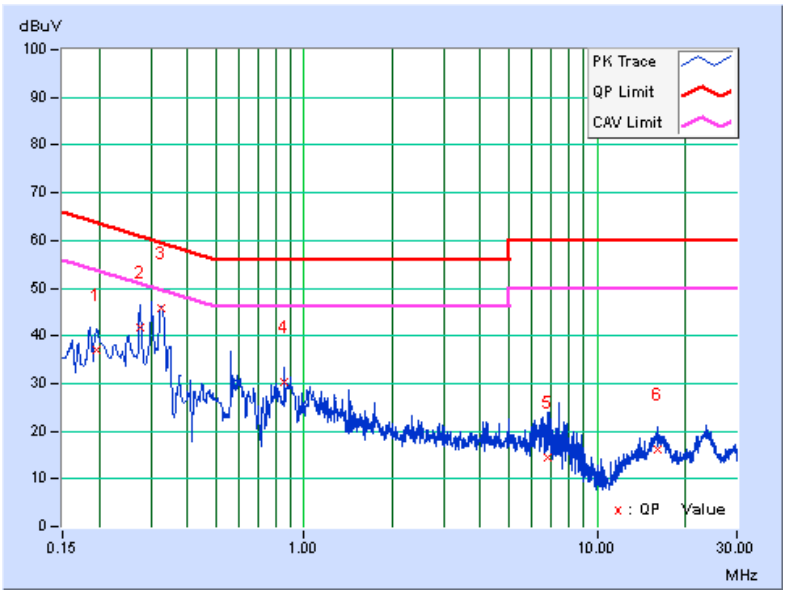
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 1	**6dB BANDWIDTH**	9kHz
CHANNEL	Channel 140	**TEST MODE**	A 2

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	0.19510	0.13	36.74	30.39	36.87	30.52	63.82	53.82	-26.95	-23.30
2	0.27480	0.13	41.61	34.68	41.74	34.81	60.97	50.97	-19.23	-16.16
3	**0.32595**	**0.13**	**45.65**	**41.83**	**45.78**	**41.96**	**59.55**	**49.55**	**-13.77**	**-7.59**
4	0.85380	0.18	30.22	19.05	30.40	19.23	56.00	46.00	-25.60	-26.77
5	6.80873	0.48	13.99	7.78	14.47	8.26	60.00	50.00	-45.53	-41.74
6	16.04415	0.96	15.25	10.35	16.21	11.31	60.00	50.00	-43.79	-38.69

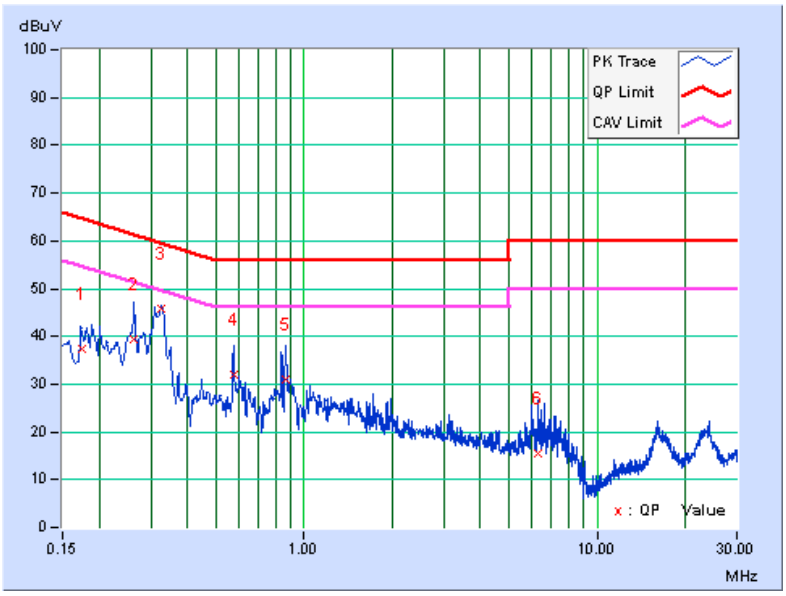
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 140	TEST MODE	A 2

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	0.17374	0.13	37.33	28.11	37.46	28.24	64.78	54.78	-27.32	-26.54
2	0.26346	0.14	39.15	28.83	39.29	28.97	61.32	51.32	-22.03	-22.35
3	0.32528	0.15	45.52	41.27	45.67	41.42	59.57	49.57	-13.90	-8.15
4	0.57317	0.17	31.89	20.20	32.06	20.37	56.00	46.00	-23.94	-25.63
5	0.86553	0.20	30.64	18.18	30.84	18.38	56.00	46.00	-25.16	-27.62
6	6.27306	0.44	14.92	9.04	15.36	9.48	60.00	50.00	-44.64	-40.52

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.

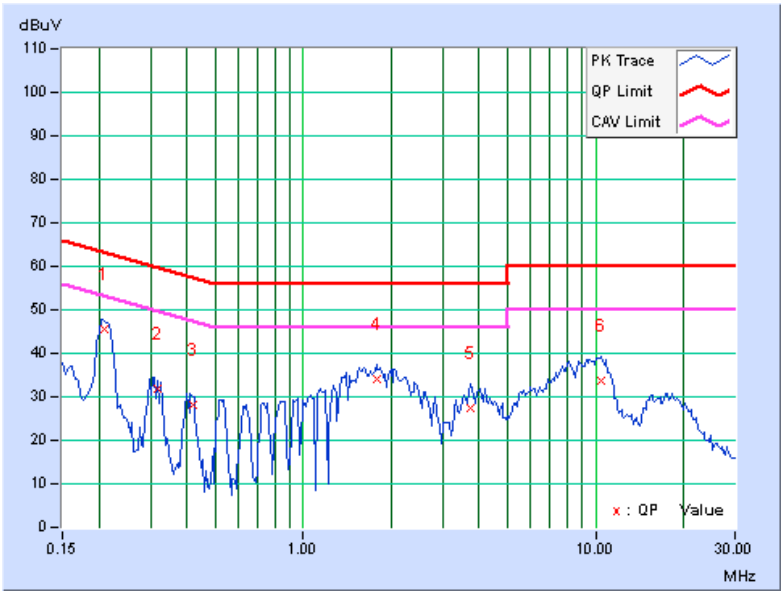


Monopole Antenna_2TX

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 64	TEST MODE	B 2

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	0.20851	0.15	45.37	31.67	45.52	31.82	63.26	53.26	-17.74	-21.44
2	0.31652	0.16	31.54	21.93	31.70	22.09	59.80	49.80	-28.10	-27.71
3	0.41808	0.17	27.89	15.13	28.06	15.30	57.49	47.49	-29.43	-32.19
4	1.78125	0.24	33.93	20.61	34.17	20.85	56.00	46.00	-21.83	-25.15
5	3.73438	0.33	27.25	15.13	27.58	15.46	56.00	46.00	-28.42	-30.54
6	10.48047	0.44	33.14	27.59	33.58	28.03	60.00	50.00	-26.42	-21.97

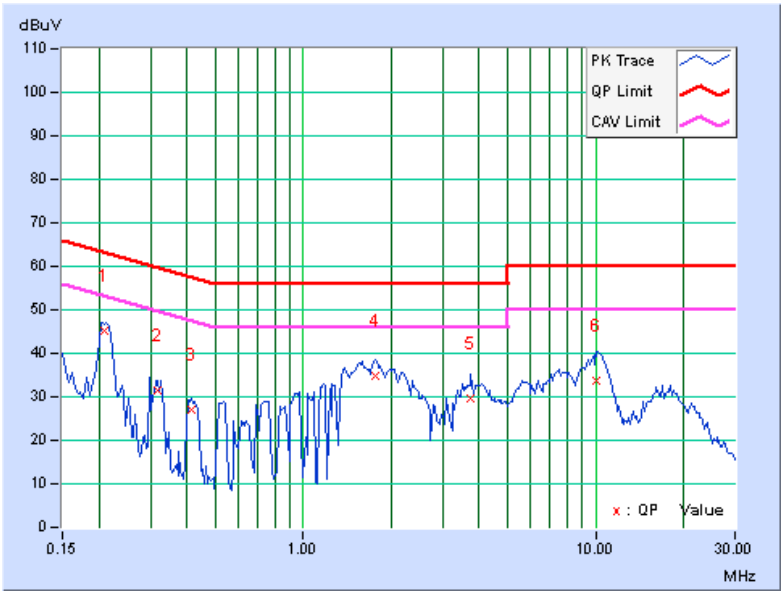
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	**6dB BANDWIDTH**	9kHz
CHANNEL	Channel 64	**TEST MODE**	B 2

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	0.20996	0.14	45.15	31.72	45.29	31.86	63.21	53.21	-17.92	-21.35
2	0.31797	0.15	31.23	22.34	31.38	22.49	59.76	49.76	-28.38	-27.27
3	0.41563	0.16	27.01	15.29	27.17	15.45	57.54	47.54	-30.36	-32.08
4	1.76563	0.24	34.68	20.79	34.92	21.03	56.00	46.00	-21.08	-24.97
5	3.75391	0.34	29.17	17.03	29.51	17.37	56.00	46.00	-26.49	-28.63
6	10.09375	0.48	33.38	27.50	33.86	27.98	60.00	50.00	-26.14	-22.02

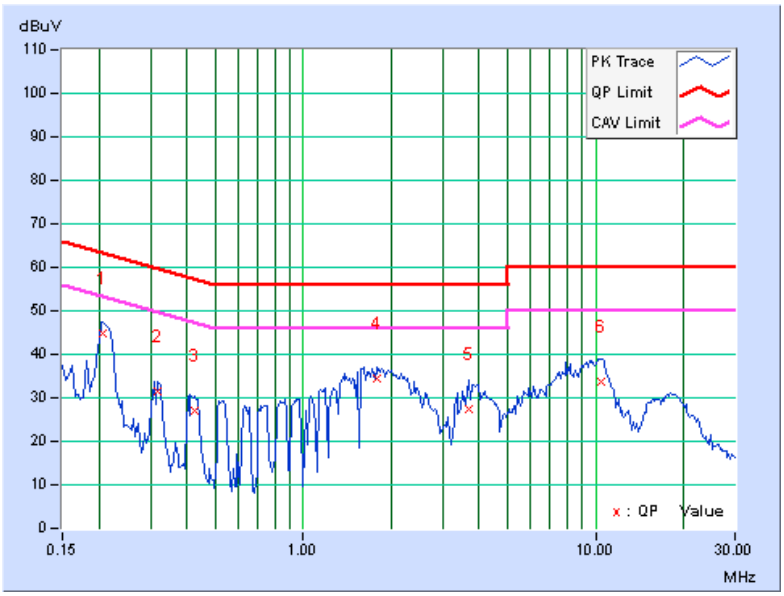
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 140	TEST MODE	B 2

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	0.20724	0.15	44.83	30.21	44.98	30.36	63.32	53.32	-18.33	-22.95
2	0.31797	0.16	31.45	21.82	31.61	21.98	59.76	49.76	-28.15	-27.78
3	0.42344	0.17	26.97	16.29	27.14	16.46	57.38	47.38	-30.24	-30.92
4	1.78516	0.24	34.09	20.63	34.33	20.87	56.00	46.00	-21.67	-25.13
5	3.69141	0.33	26.97	14.73	27.30	15.06	56.00	46.00	-28.70	-30.94
6	10.46875	0.44	33.18	27.63	33.62	28.07	60.00	50.00	-26.38	-21.93

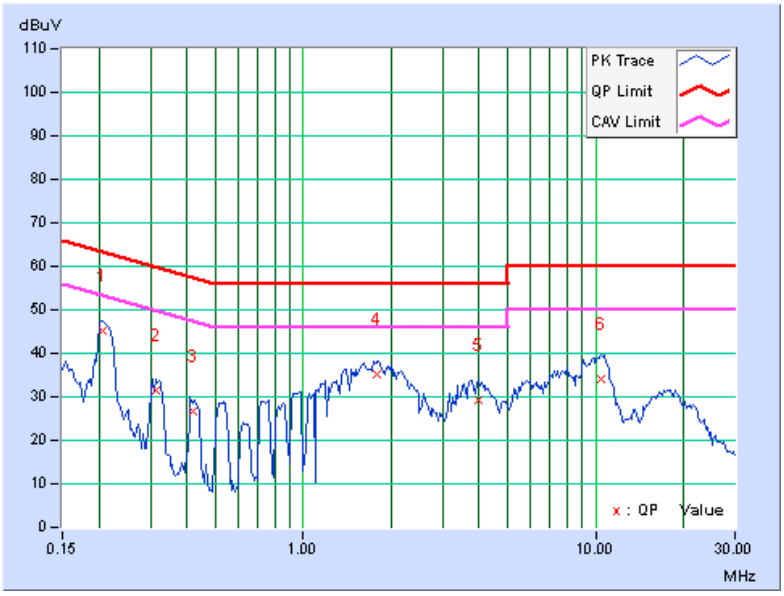
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 140	TEST MODE	B 2

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	0.20724	0.14	45.07	31.17	45.21	31.31	63.32	53.32	-18.10	-22.00
2	0.31406	0.15	31.22	21.43	31.37	21.58	59.86	49.86	-28.49	-28.28
3	0.42062	0.16	26.51	16.13	26.67	16.29	57.44	47.44	-30.76	-31.14
4	1.78906	0.25	35.02	21.87	35.27	22.12	56.00	46.00	-20.73	-23.88
5	3.96094	0.35	28.94	17.08	29.29	17.43	56.00	46.00	-26.71	-28.57
6	10.49609	0.49	33.43	27.73	33.92	28.22	60.00	50.00	-26.08	-21.78

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 PEAK TRANSMIT POWER MEASUREMENT

4.3.1 LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

FREQUENCY BAND	LIMIT
5.150 ~ 5.250GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.250 ~ 5.350GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.470 ~ 5.725GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB

NOTE: Where B is the 26dB emission bandwidth in MHz.

Per KDB 662911 D01 Multiple Transmitter Output v01r02 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

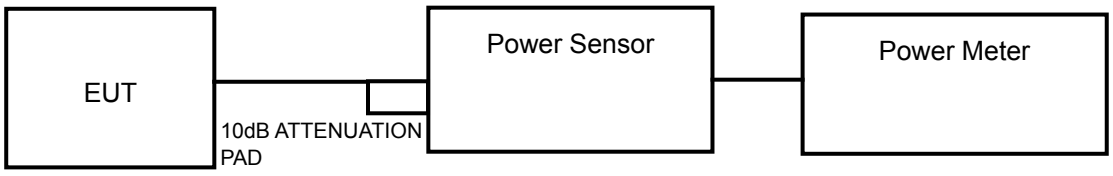
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT} /N_{SS}) dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

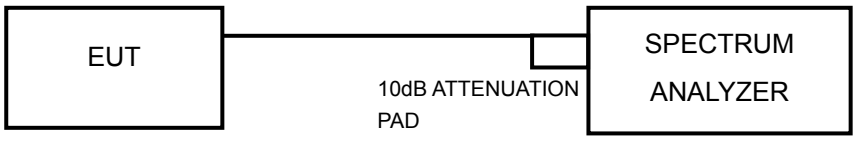
For power measurements on all other devices: Array Gain = 10 log(N_{ANT} /N_{SS}) dB.

4.3.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT



FOR 26dB BANDWIDTH



4.3.3 TEST INSTRUMENTS

FOR POWER OUTPUT MEASUREMENT

Test Date: Jan. 05, 2013

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
High Speed Peak Power Meter	ML2495A	0842014	Apr. 28, 2012	Apr. 27, 2013
Power Sensor	MA2411B	0738404	Apr. 28, 2012	Apr. 27, 2013

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. Measurement Bandwidth of ML2495A is 65MHz greater than 26dB bandwidth of emission.

FOR 26dB OCCUPIED BANDWIDTH

Test Date: Jan. 05, 2013

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 16, 2012	Jul. 15, 2013

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

4.3.4 TEST PROCEDURE

FOR AVERAGE POWER MEASUREMENT

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

FOR 26dB BANDWIDTH

1) Set RBW = approximately 1% of the emission bandwidth.
2) Set the VBW > RBW.
3) Detector = Peak.
4) Trace mode = max hold.
5) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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 specific channel frequencies individually.

4.3.7 TEST RESULTS

POWER OUTPUT: 802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	24.378	13.87	16.92	PASS
40	5200	24.889	13.96	16.92	PASS
48	5240	25.468	14.06	16.92	PASS
52	5260	24.889	13.96	23.85	PASS
60	5300	24.378	13.87	23.85	PASS
64	5320	24.946	13.97	23.85	PASS
100	5500	25.410	14.05	24	PASS
116	5580	25.177	14.01	24	PASS
140	5700	24.889	13.96	24	PASS

NOTE:

5.18 ~ 5.24GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 17-(6.08-6) = 16.92dBm.

5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 24-(6.15-6) = 23.85dBm.

802.11n (20MHz)

1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	23.878	13.78	16.92	PASS
40	5200	24.322	13.86	16.92	PASS
48	5240	25.061	13.99	16.92	PASS
52	5260	24.491	13.89	23.85	PASS
60	5300	24.434	13.88	23.85	PASS
64	5320	25.410	14.05	23.85	PASS
100	5500	25.527	14.07	24	PASS
116	5580	25.235	14.02	24	PASS
140	5700	25.177	14.01	24	PASS

NOTE:

5.18 ~ 5.24GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 17-(6.08-6) = 16.92dBm.
5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 24-(6.15-6) = 23.85dBm.

2TX

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
36	5180	11.73	12.01	**30.779**	14.88	16.92	PASS
40	5200	11.83	11.87	30.623	14.86	16.92	PASS
48	5240	12.01	11.73	**30.779**	14.88	16.92	PASS
52	5260	12.06	11.86	31.415	14.97	23.85	PASS
60	5300	11.96	11.84	30.980	14.91	23.85	PASS
64	5320	12.10	12.01	**32.103**	15.07	23.85	PASS
100	5500	11.86	12.02	31.268	14.95	24	PASS
116	5580	11.83	11.98	31.017	14.92	24	PASS
140	5700	12.10	11.83	**31.459**	14.98	24	PASS

NOTE:

5.18 ~ 5.24GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 17-(6.08-6) = 16.92dBm.
5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 24-(6.15-6) = 23.85dBm.

802.11n (40MHz)

1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
38	5190	23.768	13.76	16.92	PASS
46	5230	25.704	14.10	16.92	PASS
54	5270	25.410	14.05	23.85	PASS
62	5310	25.704	14.10	23.85	PASS
102	5510	25.468	14.06	24	PASS
110	5550	24.774	13.94	24	PASS
134	5670	24.322	13.86	24	PASS

NOTE:

5.18 ~ 5.24GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 17-(6.08-6) = 16.92dBm.
5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 24-(6.15-6) = 23.85dBm.

2TX

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
38	5190	11.01	10.78	24.585	13.91	16.92	PASS
46	5230	10.93	11.05	25.123	14.00	16.92	PASS
54	5270	11.12	10.98	25.473	14.06	23.85	PASS
62	5310	10.87	10.95	24.663	13.92	23.85	PASS
102	5510	10.83	10.95	24.551	13.90	24	PASS
110	5550	10.99	10.83	24.666	13.92	24	PASS
134	5670	10.90	11.00	24.892	13.96	24	PASS

NOTE:

5.18 ~ 5.24GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 17-(6.08-6) = 16.92dBm.
5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of peak transmit power shall be reduced to 24-(6.15-6) = 23.85dBm.

26dB BANDWIDTH: 802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	PASS / FAIL
36	5180	18.57	PASS
40	5200	18.55	PASS
48	5240	18.57	PASS
52	5260	18.52	PASS
60	5300	18.61	PASS
64	5320	18.57	PASS
100	5500	18.51	PASS
116	5580	18.54	PASS
140	5700	18.48	PASS

802.11n (20MHz)

1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	PASS / FAIL
36	5180	19.27	PASS
40	5200	19.17	PASS
48	5240	19.22	PASS
52	5260	19.32	PASS
60	5300	19.25	PASS
64	5320	19.29	PASS
100	5500	19.26	PASS
116	5580	19.22	PASS
140	5700	19.12	PASS

2TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		PASS / FAIL
		CHAIN 0	CHAIN 1	
36	5180	19.30	19.08	PASS
40	5200	19.17	19.12	PASS
48	5240	19.05	19.11	PASS
52	5260	19.23	19.19	PASS
60	5300	19.27	19.06	PASS
64	5320	19.28	19.26	PASS
100	5500	19.01	19.04	PASS
116	5580	19.09	19.07	PASS
140	5700	19.23	19.16	PASS

802.11n (40MHz)

1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	PASS / FAIL
38	5190	56.85	PASS
46	5230	60.88	PASS
54	5270	55.26	PASS
62	5310	63.46	PASS
102	5510	41.18	PASS
110	5550	41.35	PASS
134	5670	46.03	PASS

2TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		PASS / FAIL
		CHAIN 0	CHAIN 1	
38	5190	41.16	41.11	PASS
46	5230	41.23	41.23	PASS
54	5270	41.27	41.43	PASS
62	5310	41.13	41.05	PASS
102	5510	41.23	41.29	PASS
110	5550	41.27	41.06	PASS
134	5670	41.29	41.33	PASS

EUT HIGHEST AND LOWEST CONDUCTED POWER

802.11a

FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
	OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
5250~5350	13.97	24.946	7.97	6.266
5470~5725	14.05	25.410	8.05	6.383

NOTE: Manufacturer provides Transmit Power Control description to meet this requirement.

802.11n (20MHz)

FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
	OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
5250~5350	15.07	32.103	9.07	8.072
5470~5725	14.98	31.459	8.98	7.907

NOTE: Manufacturer provides Transmit Power Control description to meet this requirement.

802.11n (40MHz)

FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
	OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
5250~5350	14.10	25.704	8.10	6.457
5470~5725	14.06	25.468	8.06	6.397

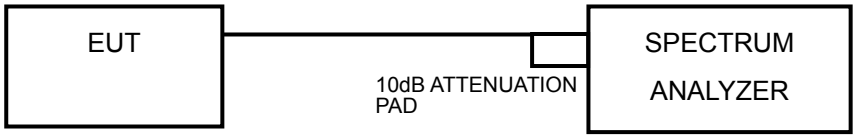
NOTE: Manufacturer provides Transmit Power Control description to meet this requirement.

4.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

4.4.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

FREQUENCY BAND	LIMIT
5.150 ~ 5.250GHz	4dBm
5.250 ~ 5.350GHz	11dBm
5.470 ~ 5.725GHz	11dBm

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Test Date: Jan. 05, 2013

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 16, 2012	Jul. 15, 2013

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

4.4.4 TEST PROCEDURES

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 30 KHz, Set VBW ≥ 1 MHz, Detector = RMS
3) Set Channel power measure = 1MHz
4) Sweep time = auto, trigger set to “free run”.
5) Trace average at least 100 traces in power averaging mode.
6) Record the max value

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

Same as 4.3.6.

4.4.7 TEST RESULTS

802.11a

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	1.86	3.92	PASS
40	5200	1.53	3.92	PASS
48	5240	1.12	3.92	PASS
52	5260	1.82	10.85	PASS
60	5300	1.69	10.85	PASS
64	5320	1.73	10.85	PASS
100	5500	1.86	11	PASS
116	5580	1.90	11	PASS
140	5700	1.90	11	PASS

NOTE:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. **5.18 ~ 5.24GHz:** According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 4-(6.08-6) = 3.92dBm.

   5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 11-(6.15-6) = 10.85dBm.

802.11n (20MHz)

1TX

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	1.49	3.92	PASS
40	5200	1.53	3.92	PASS
48	5240	1.54	3.92	PASS
52	5260	1.71	10.85	PASS
60	5300	1.69	10.85	PASS
64	5320	1.49	10.85	PASS
100	5500	1.68	11	PASS
116	5580	1.25	11	PASS
140	5700	1.46	11	PASS

NOTE:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. **5.18 ~ 5.24GHz:** According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 4-(6.08-6) = 3.92dBm.

   5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 11-(6.15-6) = 10.85dBm.

2TX

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1			
36	5180	-0.96	-0.95	2.06	3.92	PASS
40	5200	-0.97	-0.99	2.03	3.92	PASS
48	5240	-0.90	-0.67	2.23	3.92	PASS
52	5260	-0.40	-0.55	2.54	10.85	PASS
60	5300	-0.47	-0.79	2.38	10.85	PASS
64	5320	-0.36	-0.82	2.43	10.85	PASS
100	5500	-0.64	-0.57	2.41	11	PASS
116	5580	-0.86	-0.75	2.44	11	PASS
140	5700	-0.47	-0.73	2.41	11	PASS

NOTE:

1. Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Refer to section 3.3 for duty cycle spectrum plot.
3. **5.18 ~ 5.24GHz:** According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 4-(6.08-6) = 3.92dBm.

   5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 11-(6.15-6) = 10.85dBm.

802.11n (40MHz)

1TX

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
38	5190	-2.61	3.92	PASS
46	5230	-2.14	3.92	PASS
54	5270	-2.21	10.85	PASS
62	5310	-1.98	10.85	PASS
102	5510	-1.91	11	PASS
110	5550	-1.84	11	PASS
134	5670	-1.99	11	PASS

NOTE:

1. Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Refer to section 3.3 for duty cycle spectrum plot.
3. **5.18 ~ 5.24GHz:** According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 4-(6.08-6) = 3.92dBm.
   5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 11-(6.15-6) = 10.85dBm.

2TX

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1			
38	5190	-4.65	-5.76	-2.16	3.92	PASS
46	5230	-4.72	-4.81	-1.75	3.92	PASS
54	5270	-4.79	-5.11	-1.94	10.85	PASS
62	5310	-4.88	-4.89	-1.87	10.85	PASS
102	5510	-4.71	-4.87	-1.78	11	PASS
110	5550	-5.09	-5.03	-2.05	11	PASS
134	5670	-4.41	-4.37	-1.38	11	PASS

NOTE:

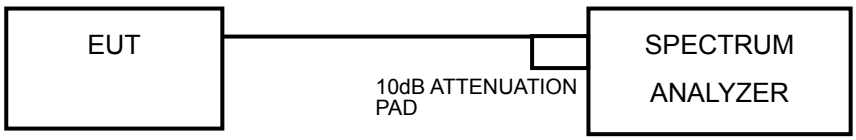
1. Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Refer to section 3.3 for duty cycle spectrum plot.
3. **5.18 ~ 5.24GHz:** According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.08dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 4-(6.08-6) = 3.92dBm.
   5.26 ~ 5.32GHz: According to 15.407 (a) (1) (2) (3), the maximum antenna gain 6.15dBi is higher than 6dBi, so the limit of power spectral density shall be reduced to 11-(6.15-6) = 10.85dBm.

4.5 PEAK POWER EXCURSION MEASUREMENT

4.5.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Shall not exceed 13 dB.

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Test Date: Jan. 05, 2013

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 16, 2012	Jul. 15, 2013

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

4.5.4 TEST PROCEDURE

1) Set RBW = 1 MHz, VBW ≥ 3 MHz, Detector = peak.
2) Trace mode = max-hold. Allow the sweeps to continue until the trace stabilizes.
3) Use the peak search function to find the peak of the spectrum.
4) Measure the PPSD.
5) Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

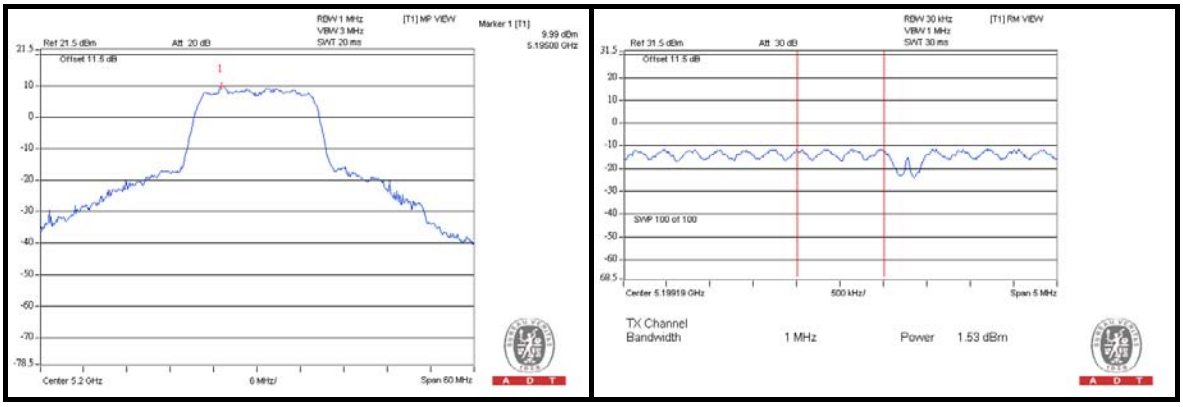
4.5.6 EUT OPERATING CONDITIONS

Same as 4.2.6

4.5.7 TEST RESULTS

802.11a

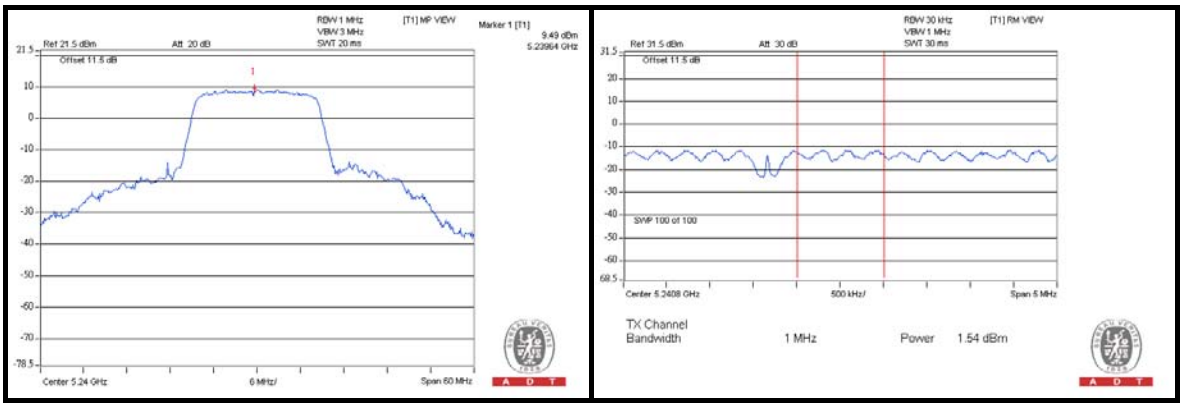
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
36	5180	10.32	1.86	8.46	13	PASS
40	5200	9.99	1.53	8.46	13	PASS
48	5240	9.53	1.12	8.41	13	PASS
52	5260	10.24	1.82	8.42	13	PASS
60	5300	10.03	1.69	8.34	13	PASS
64	5320	9.94	1.73	8.21	13	PASS
100	5500	10.26	1.86	8.40	13	PASS
116	5580	10.23	1.90	8.33	13	PASS
140	5700	10.19	1.90	8.29	13	PASS



802.11n (20MHz)

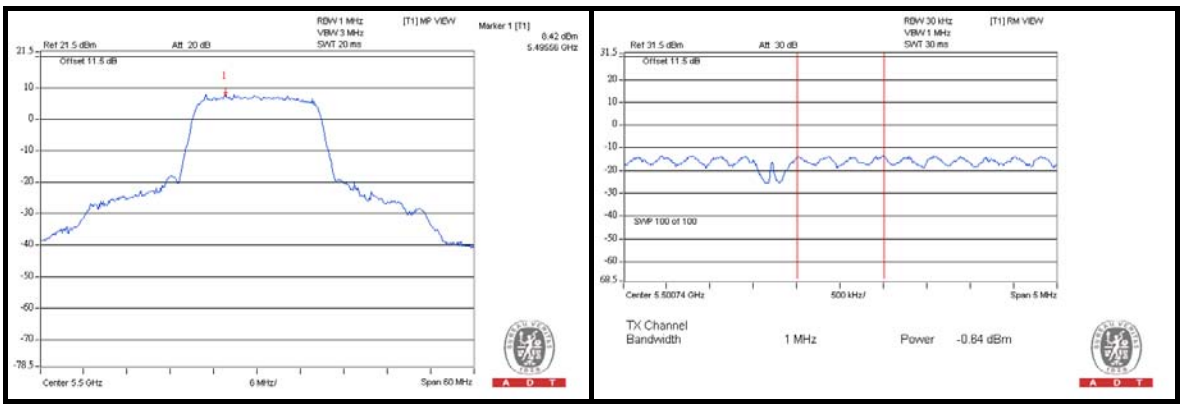
1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
36	5180	9.32	1.49	7.83	13	PASS
40	5200	9.14	1.53	7.61	13	PASS
48	5240	9.49	1.54	7.95	13	PASS
52	5260	9.44	1.71	7.73	13	PASS
60	5300	9.59	1.69	7.90	13	PASS
64	5320	8.99	1.49	7.50	13	PASS
100	5500	9.26	1.68	7.58	13	PASS
116	5580	8.88	1.25	7.63	13	PASS
140	5700	9.01	1.46	7.55	13	PASS



2TX

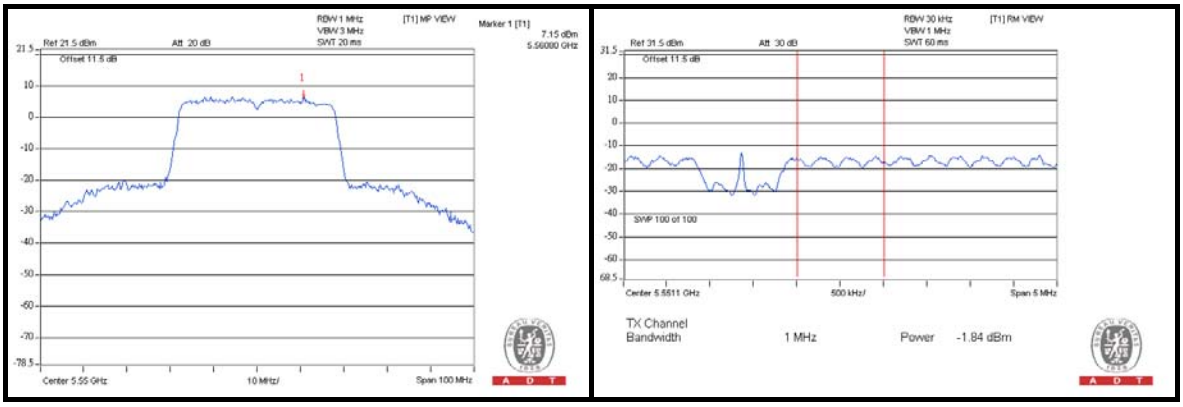
CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)		PPSD (dBm)		PEAK EXCURSION (dB)		LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
36	5180	7.35	6.64	-0.96	-0.95	8.31	7.59	13	PASS
40	5200	6.73	6.83	-0.97	-0.99	7.70	7.82	13	PASS
48	5240	6.96	6.94	-0.90	-0.67	7.86	7.61	13	PASS
52	5260	7.43	7.41	-0.40	-0.55	7.83	7.96	13	PASS
60	5300	6.88	7.16	-0.47	-0.79	7.35	7.95	13	PASS
64	5320	7.10	7.06	-0.36	-0.82	7.46	7.88	13	PASS
100	5500	8.42	7.26	-0.64	-0.57	9.06	7.83	13	PASS
116	5580	7.09	7.28	-0.86	-0.75	7.95	8.03	13	PASS
140	5700	7.29	7.29	-0.47	-0.73	7.76	8.02	13	PASS



802.11n (40MHz)

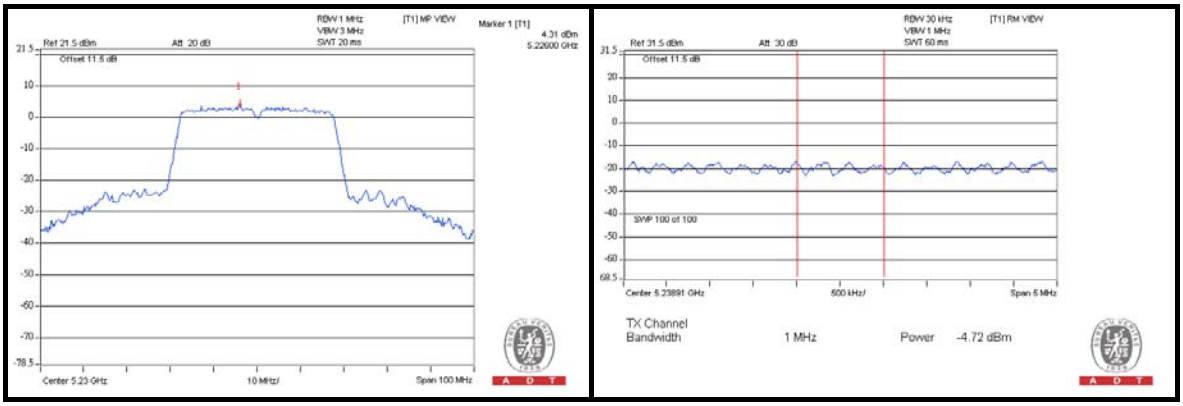
1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
38	5190	6.30	-2.61	8.91	13	PASS
46	5230	6.11	-2.14	8.25	13	PASS
54	5270	6.14	-2.21	8.35	13	PASS
62	5310	6.28	-1.98	8.26	13	PASS
102	5510	5.84	-1.91	7.75	13	PASS
110	5550	7.15	-1.84	8.99	13	PASS
134	5670	6.24	-1.99	8.23	13	PASS



2TX

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)		PPSD (dBm)		PEAK EXCURSION (dB)		LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
38	5190	3.69	3.14	-4.65	-5.76	8.34	8.90	13	PASS
46	5230	4.31	3.71	-4.72	-4.81	9.03	8.52	13	PASS
54	5270	3.52	3.52	-4.79	-5.11	8.31	8.63	13	PASS
62	5310	3.58	3.41	-4.88	-4.89	8.46	8.30	13	PASS
102	5510	3.82	3.39	-4.71	-4.87	8.53	8.26	13	PASS
110	5550	3.56	3.55	-5.09	-5.03	8.65	8.58	13	PASS
134	5670	4.19	3.96	-4.41	-4.37	8.60	8.33	13	PASS

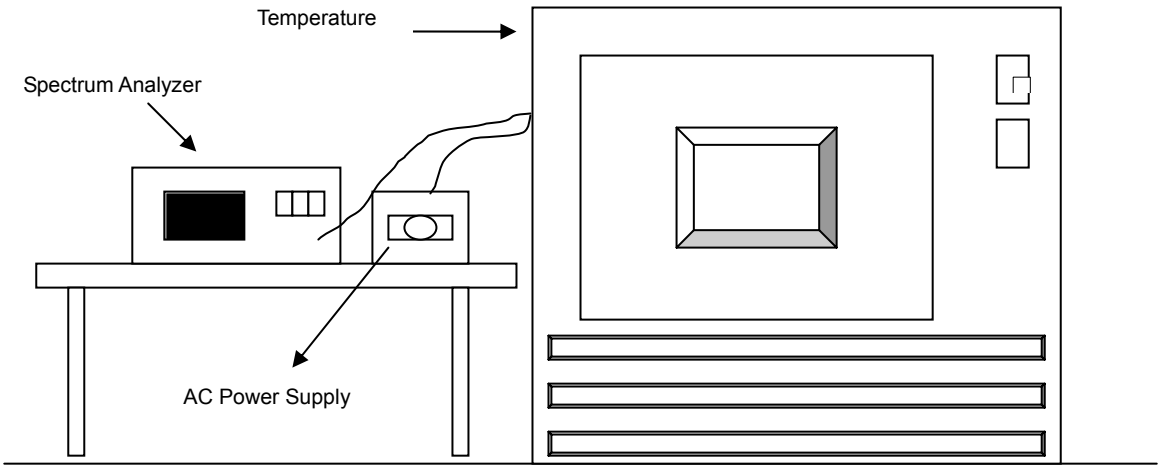


4.6 FREQUENCY STABILITY

4.6.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

The frequency of the carrier signal shall be maintained within band of operation

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Test Date: Jan. 05, 2013

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 16, 2012	Jul. 15, 2013
WIT STANDARD TEMPERATURE AND HUMIDITY CHAMBER	TH-4S-C	W981030	Jun. 13, 2012	Jun. 12, 2013

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

4.6.4 TEST PROCEDURE

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.

b. Turn the EUT on and couple its output to a spectrum analyzer.

c. Turn the EUT off and set the chamber to the highest temperature specified.

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.

e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

4.6.6 EUT OPERATING CONDITION

Set the EUT transmit at un-modulation mode to test frequency stability.

4.6.7 TEST RESULTS

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (VAC)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)
60	120	5180.0013	0.2510	5180.0216	4.1699	5180.0019	0.3668	5180.0243	4.6911
50	120	5180.0218	4.2085	5180.0209	4.0347	5180.0228	4.4015	5180.0232	4.4788
40	120	5180.002	0.3861	5179.9956	-0.8494	5180.0032	0.6178	5180.0038	0.7336
30	120	5180.016	3.0888	5180.0098	1.8919	5180.0079	1.5251	5180.01	1.9305
20	120	5179.983	-3.2819	5179.9868	-2.5483	5179.9886	-2.2008	5179.9845	-2.9923
10	120	5180.0184	3.5521	5180.0127	2.4517	5180.0163	3.1467	5180.0226	4.3629
0	120	5179.9991	-0.1737	5180.004	0.7722	5180.0011	0.2124	5180.0004	0.0772
-10	120	5180.0233	4.4981	5180.022	4.2471	5180.0252	4.8649	5180.0195	3.7645
-20	120	5180.0001	0.0193	5179.9982	-0.3475	5179.9961	-0.7529	5179.9957	-0.8301
-30	120	5179.9881	-2.2973	5179.9809	-3.6873	5179.9814	-3.5907	5179.9836	-3.1660

FREQUEMCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)
20	138	5179.9836	-3.1660	5179.9869	-2.5290	5179.9892	-2.0849	5179.9835	-3.1853
	120	5179.983	-3.2819	5179.9868	-2.5483	5179.9886	-2.2008	5179.9845	-2.9923
	102	5179.9837	-3.1467	5179.9857	-2.7606	5179.9887	-2.1815	5179.9837	-3.1467

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

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

Linko EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF Lab
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

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

7. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

---END---