FCC TEST REPORT (15.407)

REPORT NO.:	RF120412C30A-1
MODEL NO.:	E110
FCC ID:	QYLE110
RECEIVED:	Apr. 16, 2012
TESTED:	May 17 ~ Jun. 07, 2012
ISSUED:	Jun. 18, 2012

APPLICANT:	Getac Technology Corporation.
ADDRESS:	5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist, Taipei City 11568, Taiwan, R.O.C.
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
RF120412C30A-1	Original release	Jun. 18, 2012

1. CERTIFICATION

PRODUCT:	Tablet PC
MODEL NO.:	E110
BRAND:	Getac
APPLICANT:	Getac Technology Corporation.
TESTED:	May 17 ~ Jun. 07, 2012
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 15, Subpart E (Section 15.407)**
	ANSI C63.10-2009

The above equipment (model: E110) 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 : Jun. 18, 2012
Andrea Hsia / Specialist

APPROVED BY : _____ , DATE : Jun. 18, 2012
Gary Chang / Technical 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 -13.53dB at 1.53125MHz.
15.407(b/1/2/3)(b)(6)	Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -1.1dB at 5470.00MHz.
15.407(a/1/2)	Peak 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

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	Tablet PC
MODEL NO.	E110
POWER SUPPLY	19Vdc (Adapter) 7.2Vdc (Battery)
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: 8 for 802.11a, 802.11n (20MHz) 5 for 802.11n (40MHz)
OUTPUT POWER	47.6mW for 5180 ~ 5240MHz 46.8mW for 5260 ~ 5320MHz 47.9mW for 5500 ~ 5700MHz
ANTENNA TYPE	Refer to note as below
ANTENNA CONNECTOR	I-PEX
DATA CABLE	NA
I/O PORTS	Refer to user's manual
ACCESSORY DEVICES	Adapter, Battery

NOTE:

1. The antenna used in this EUT is listed as below table:

ITEM	TYPE	GAIN (dBi)				
		5150 MHz	5250 MHz	5350 MHz	5470 MHz	5600 MHz
Main Antenna	PIFA	1.80359	1.53795	1.21191	0.790737	0.403956
Aux. Antenna	PIFA	1.02698	0.416017	-0.54604	-0.63419	0.550408

2. 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)	1TX / 2TX
802.11n (40MHz)	1TX / 2TX

3. The EUT consumes power from the following adapter & battery.

ADAPTER	
BRAND:	DELTA ELECTRONICS, INC.
MODEL:	ADP-65WH BB
INPUT:	100-240Vac, 1.5A
OUTPUT:	19Vdc, 3.42A
POWER LINE:	DC 1.7m non-shielded cable with one core

BATTERY	
BRAND	Getac
MODEL	BP2S2P2050
RATING	7.2Vdc, 4100mAh

4. 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	
-	√	√	√	√	-

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

NOTE: The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane.**

RADIATED EMISSION TEST (ABOVE 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0	1TX
802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	7.2	1TX
802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	15.0	1TX
802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	14.4	2TX
802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	30.0	2TX
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6.0	1TX
802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	7.2	1TX
802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	15.0	1TX
802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	14.4	2TX
802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	30.0	2TX
802.11a	5500-5700	100 to 140	100, 116, 132, 140	OFDM	BPSK	6.0	1TX
802.11n (20MHz)		100 to 140	100, 116, 132, 140	OFDM	BPSK	7.2	1TX
802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0	1TX
802.11n (20MHz)		100 to 140	100, 116, 132, 140	OFDM	BPSK	14.4	2TX
802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	30.0	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.

MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
802.11n (40MHz)	5180-5320	38 to 64	46	OFDM	BPSK	15.0	1TX
802.11n (20MHz)	5500-5700	100 to 140	132	OFDM	BPSK	7.2	1TX
802.11n (20MHz)	5180-5320	36 to 64	64	OFDM	BPSK	14.4	2TX
802.11n (20MHz)	5500-5700	100 to 140	100	OFDM	BPSK	14.4	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.

MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
802.11n (40MHz)	5180-5320	38 to 64	46	OFDM	BPSK	15.0	1TX
802.11n (20MHz)	5500-5700	100 to 140	132	OFDM	BPSK	7.2	1TX
802.11n (20MHz)	5180-5320	36 to 64	64	OFDM	BPSK	14.4	2TX
802.11n (20MHz)	5500-5700	100 to 140	100	OFDM	BPSK	14.4	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.

MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX Function
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0	1TX
802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	7.2	1TX
802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	15.0	1TX
802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	14.4	2TX
802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	30.0	2TX
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6.0	1TX
802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	7.2	1TX
802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	15.0	1TX
802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	14.4	2TX
802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	30.0	2TX
802.11a	5500-5700	100 to 140	100, 116, 132, 140	OFDM	BPSK	6.0	1TX
802.11n (20MHz)		100 to 140	100, 116, 132, 140	OFDM	BPSK	7.2	1TX
802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0	1TX
802.11n (20MHz)		100 to 140	100, 116, 132, 140	OFDM	BPSK	14.4	2TX
802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	30.0	2TX

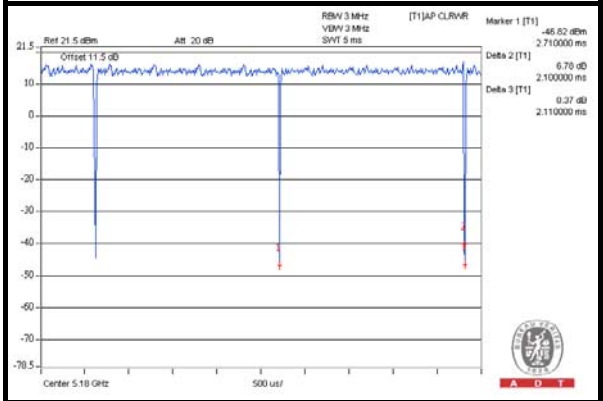
TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	24deg. C, 65%RH	120Vac, 60Hz	Alen Wu Anderson Hong Haru Yang
RE<1G	25deg. C, 65%RH	120Vac, 60Hz	Haru Yang
PLC	21deg. C, 66%RH	120Vac, 60Hz	Ben Huang
APCM	25deg. C, 65%RH	120Vac, 60Hz	Haru Yang

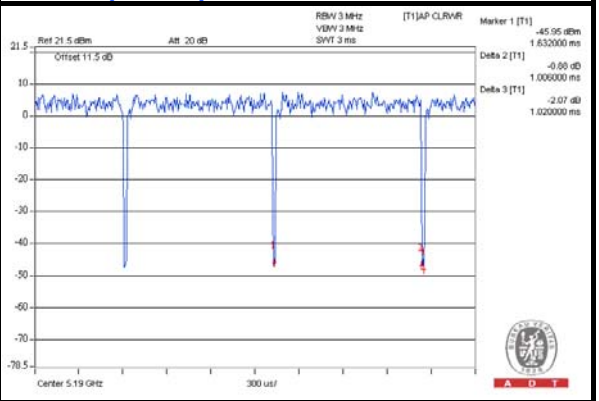
3.3 DUTY CYCLE OF TEST SIGNAL

Duty cycle of test signal is > 98 %

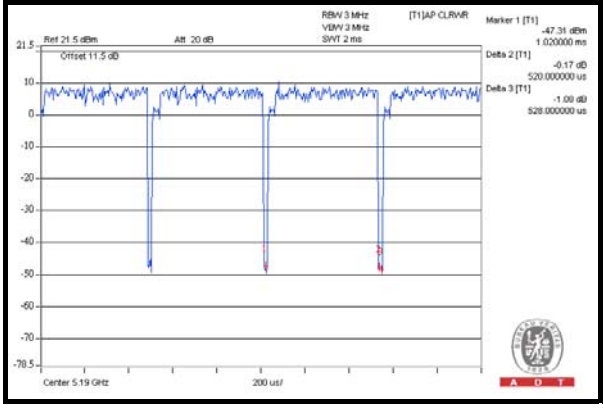
802.11a



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.

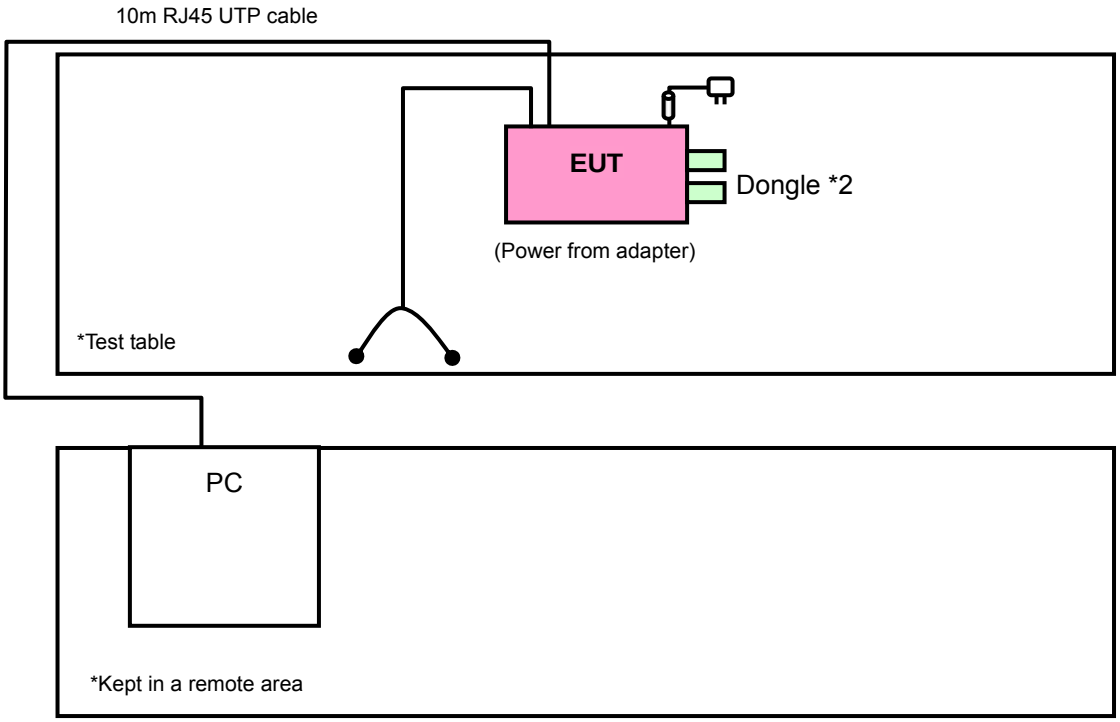
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	EARPHONE	PHILIPS	SBC HL150	NA	NA
2	Dongle	Transcend	V85	538455 4489	NA
3	Dongle	Transcend	V85	569992-8208	NA
4	PC	DELL	D531	CN-0XM006-48643-81U-2973	QDS-BRCM1020

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.5m non-shielded cable
2	NA
3	NA
4	10m RJ45 UTP cable

NOTE:

1. All power cords of the above support units are non shielded (1.8m).
2. Item 4 acted as communication partner to transfer data.

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)
ANSI C63.10-2009
KDB 789033 D01 General UNII Test Procedures v01r01

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

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

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

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

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	100040	Aug. 04, 2011	Aug. 03, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Apr. 03, 2012	Apr. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Sep. 06, 2011	Sep. 05, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 20, 2011	Jul. 19, 2012
Preamplifier Agilent	8449B	3008A01911	Oct. 29, 2011	Oct. 28, 2012
Preamplifier Agilent	8447D	2944A10638	Oct. 29, 2011	Oct. 28, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	295013/4 283403/4	Aug. 19, 2011	Aug. 18, 2012
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 13, 2011	Aug. 12, 2012
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
Turn Table ADT.	TT100.	TT93021704	NA	NA
Turn Table Controller ADT.	SC100.	SC93021704	NA	NA
Loop Antenna	HFH2-Z2	100070	Jan. 31, 2012	Jan. 30, 2014
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 29, 2011	Oct. 28, 2012
High Speed Peak Power Meter	ML2495A	0824011	Aug. 04, 2011	Aug. 03, 2012
Power Sensor	MA2411B	0738171	Aug. 04, 2011	Aug. 03, 2012
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 15, 2011	Jun. 14, 2012

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 calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in HwaYa Chamber 4.
4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
5. The FCC Site Registration No. is 460141.
6. The IC Site Registration No. is IC7450F-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.

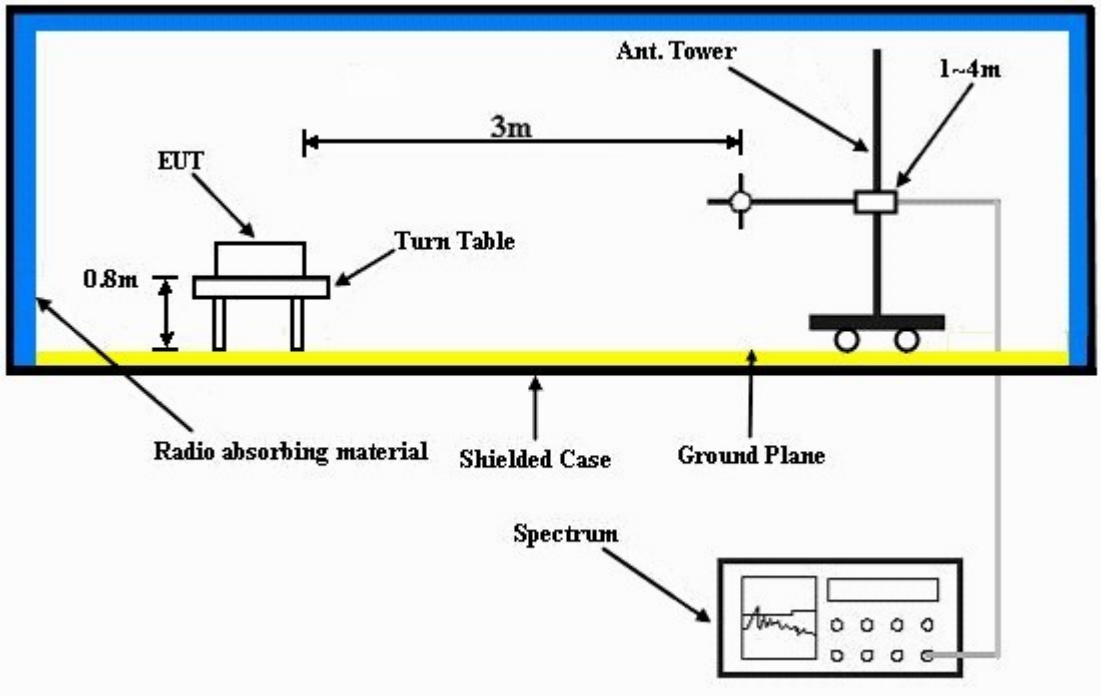
NOTE:

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. Placed the EUT on the testing table.
b. Prepared PC to act as communication partner and placed it outside of testing area.
c. The communication partner connected with EUT via a RJ45 cable and run a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
d. The communication partner sent data to EUT by command "PING".

4.1.8 TEST RESULTS

ABOVE 1GHz DATA:

802.11a: 1TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5150.00	62.8 PK	74.0	-11.2	1.08 H	19	24.20	38.60
2	5150.00	45.1 AV	54.0	-8.9	1.08 H	19	6.50	38.60
3	*5180.00	106.2 PK			1.07 H	24	67.60	38.60
4	*5180.00	95.4 AV			1.07 H	24	56.80	38.60
5	#10360.00	59.1 PK	68.3	-9.2	1.00 H	33	9.60	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	62.5 PK	74.0	-11.5	1.00 V	359	23.90	38.60
2	5150.00	44.6 AV	54.0	-9.4	1.00 V	359	6.00	38.60
3	*5180.00	104.4 PK			1.00 V	358	65.80	38.60
4	*5180.00	93.5 AV			1.00 V	358	54.90	38.60
5	#10360.00	58.3 PK	68.3	-10.0	1.00 V	30	8.80	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	1600.00	58.4 PK	74.0	-15.6	1.40 H	166	29.20	29.20
2	1600.00	41.6 AV	54.0	-12.4	1.40 H	166	12.40	29.20
3	*5200.00	106.0 PK			1.05 H	21	67.40	38.60
4	*5200.00	95.3 AV			1.05 H	21	56.70	38.60
5	#10400.00	57.0 PK	68.3	-11.3	1.00 H	80	7.50	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	1600.00	57.2 PK	74.0	-16.8	1.36 V	160	28.00	29.20
2	1600.00	40.7 AV	54.0	-13.3	1.36 V	160	11.50	29.20
3	*5200.00	104.2 PK			1.00 V	1	65.60	38.60
4	*5200.00	93.0 AV			1.00 V	1	54.40	38.60
5	#10400.00	56.0 PK	68.3	-12.3	1.00 V	8	6.50	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5240.00	107.3 PK			1.04 H	23	68.60	38.70
2	*5240.00	96.5 AV			1.04 H	23	57.80	38.70
3	5350.00	55.7 PK	74.0	-18.3	1.04 H	23	16.90	38.80
4	5350.00	43.6 AV	54.0	-10.4	1.04 H	23	4.80	38.80
5	#10480.00	57.0 PK	68.3	-11.3	1.02 H	89	7.30	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	105.3 PK			1.00 V	3	66.60	38.70
2	*5240.00	94.5 AV			1.00 V	3	55.80	38.70
3	5350.00	55.2 PK	74.0	-18.8	1.00 V	3	16.40	38.80
4	5350.00	43.2 AV	54.0	-10.8	1.00 V	3	4.40	38.80
5	#10480.00	56.3 PK	68.3	-12.0	1.02 V	14	6.60	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Anderson Hong

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	53.9 PK	74.0	-20.1	1.04 H	22	15.30	38.60
2	5150.00	42.7 AV	54.0	-11.3	1.04 H	22	4.10	38.60
3	*5260.00	105.8 PK			1.04 H	22	67.10	38.70
4	*5260.00	94.8 AV			1.04 H	22	56.10	38.70
5	#10520.00	57.3 PK	68.3	-11.0	1.03 H	91	7.50	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	53.6 PK	74.0	-20.4	1.04 V	1	15.00	38.60
2	5150.00	42.2 AV	54.0	-11.8	1.04 V	1	3.60	38.60
3	*5260.00	103.5 PK			1.00 V	1	64.80	38.70
4	*5260.00	92.6 AV			1.00 V	1	53.90	38.70
5	#10520.00	56.7 PK	68.3	-11.6	1.03 V	20	6.90	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Anderson Hong

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	105.4 PK			1.04 H	21	66.60	38.80
2	*5300.00	94.6 AV			1.04 H	21	55.80	38.80
3	10600.00	59.1 PK	74.0	-14.9	1.19 H	98	9.10	50.00
4	10600.00	45.1 AV	54.0	-8.9	1.19 H	98	-4.90	50.00
5	15900.00	58.4 PK	74.0	-15.6	1.48 H	41	8.30	50.10
6	15900.00	45.5 AV	54.0	-8.5	1.48 H	41	-4.60	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	102.4 PK			1.00 V	3	63.60	38.80
2	*5300.00	91.6 AV			1.00 V	3	52.80	38.80
3	10600.00	57.9 PK	74.0	-16.1	1.03 V	93	7.90	50.00
4	10600.00	44.0 AV	54.0	-10.0	1.03 V	93	-6.00	50.00
5	15900.00	57.6 PK	74.0	-16.4	1.01 V	356	7.50	50.10
6	15900.00	44.6 AV	54.0	-9.4	1.01 V	356	-5.50	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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Anderson Hong

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	106.1 PK			1.04 H	21	67.30	38.80
2	*5320.00	95.2 AV			1.04 H	21	56.40	38.80
3	5350.00	59.3 PK	74.0	-14.7	1.04 H	21	20.50	38.80
4	5350.00	46.6 AV	54.0	-7.4	1.04 H	21	7.80	38.80
5	10640.00	59.5 PK	74.0	-14.5	1.21 H	96	9.30	50.20
6	10640.00	45.4 AV	54.0	-8.6	1.21 H	96	-4.80	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	102.9 PK			1.09 V	18	64.10	38.80
2	*5320.00	92.1 AV			1.09 V	18	53.30	38.80
3	5350.00	58.5 PK	74.0	-15.5	1.09 V	18	19.70	38.80
4	5350.00	45.6 AV	54.0	-8.4	1.09 V	18	6.80	38.80
5	10640.00	58.3 PK	74.0	-15.7	1.05 V	96	8.10	50.20
6	10640.00	44.3 AV	54.0	-9.7	1.05 V	96	-5.90	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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Anderson Hong

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	57.3 PK	74.0	-16.7	1.10 H	25	18.30	39.00
2	5460.00	44.5 AV	54.0	-9.5	1.10 H	25	5.50	39.00
3	#5470.00	60.9 PK	68.3	-7.4	1.10 H	25	21.90	39.00
4	*5500.00	102.7 PK			1.10 H	25	63.60	39.10
5	*5500.00	91.9 AV			1.10 H	25	52.80	39.10
6	11000.00	59.1 PK	74.0	-14.9	1.23 H	98	7.50	51.60
7	11000.00	45.1 AV	54.0	-8.9	1.23 H	98	-6.50	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	57.9 PK	74.0	-16.1	1.04 V	17	18.90	39.00
2	5460.00	44.5 AV	54.0	-9.5	1.04 V	17	5.50	39.00
3	#5470.00	64.8 PK	68.3	-3.5	1.04 V	17	25.80	39.00
4	*5500.00	104.6 PK			1.04 V	17	65.50	39.10
5	*5500.00	93.9 AV			1.04 V	17	54.80	39.10
6	11000.00	57.9 PK	74.0	-16.1	1.08 V	99	6.30	51.60
7	11000.00	44.0 AV	54.0	-10.0	1.08 V	99	-7.60	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Anderson Hong

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	102.7 PK			1.00 H	338	63.50	39.20
2	*5580.00	91.4 AV			1.00 H	338	52.20	39.20
3	11160.00	58.6 PK	74.0	-15.4	1.00 H	140	7.30	51.30
4	11160.00	44.3 AV	54.0	-9.7	1.00 H	140	-7.00	51.30
5	#16740.00	60.8 PK	68.3	-7.5	1.00 H	340	7.80	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	106.1 PK			1.03 V	27	66.90	39.20
2	*5580.00	94.9 AV			1.03 V	27	55.70	39.20
3	11160.00	59.7 PK	74.0	-14.3	1.00 V	129	8.40	51.30
4	11160.00	45.8 AV	54.0	-8.2	1.00 V	129	-5.50	51.30
5	#16740.00	61.7 PK	68.3	-6.6	1.03 V	357	8.70	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 132	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Anderson Hong

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	*5660.00	102.4 PK			1.22 H	338	63.00	39.40
2	*5660.00	91.8 AV			1.22 H	338	52.40	39.40
3	11320.00	59.3 PK	74.0	-14.7	1.00 H	105	7.50	51.80
4	11320.00	46.8 AV	54.0	-7.2	1.00 H	105	-5.00	51.80
5	#16980.00	61.8 PK	68.3	-6.5	1.00 H	220	7.60	54.20
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	*5660.00	106.4 PK			1.00 V	19	67.00	39.40
2	*5660.00	95.8 AV			1.00 V	19	56.40	39.40
3	11320.00	60.3 PK	74.0	-13.7	1.00 V	150	8.50	51.80
4	11320.00	47.1 AV	54.0	-6.9	1.00 V	150	-4.70	51.80
5	#16980.00	62.6 PK	68.3	-5.7	1.00 V	228	8.40	54.20

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Anderson Hong

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	103.3 PK			1.10 H	340	63.80	39.50
2	*5700.00	92.5 AV			1.10 H	340	53.00	39.50
3	#5725.00	63.6 PK	68.3	-4.7	1.08 H	334	24.10	39.50
4	11400.00	58.7 PK	74.0	-15.3	1.00 H	135	7.10	51.60
5	11400.00	45.4 AV	54.0	-8.6	1.00 H	135	-6.20	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	104.9 PK			1.00 V	20	65.40	39.50
2	*5700.00	94.0 AV			1.00 V	20	54.50	39.50
3	#5725.00	64.7 PK	68.3	-3.6	1.00 V	26	25.20	39.50
4	11400.00	59.8 PK	74.0	-14.2	1.00 V	139	8.20	51.60
5	11400.00	46.8 AV	54.0	-7.2	1.00 V	139	-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 the restricted band.

802.11n (20MHz): 1TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5150.00	57.7 PK	74.0	-16.3	1.00 H	330	19.10	38.60
2	5150.00	42.4 AV	54.0	-11.6	1.00 H	330	3.80	38.60
3	*5180.00	106.2 PK			1.06 H	22	67.60	38.60
4	*5180.00	94.9 AV			1.06 H	22	56.30	38.60
5	#10360.00	57.4 PK	68.3	-10.9	1.00 H	31	7.90	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	58.9 PK	74.0	-15.1	1.00 V	358	20.30	38.60
2	5150.00	43.1 AV	54.0	-10.9	1.00 V	358	4.50	38.60
3	*5180.00	104.3 PK			1.00 V	1	65.70	38.60
4	*5180.00	92.9 AV			1.00 V	1	54.30	38.60
5	#10360.00	58.6 PK	68.3	-9.7	1.00 V	30	9.10	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5200.00	106.4 PK			1.05 H	21	67.80	38.60
2	*5200.00	95.6 AV			1.05 H	21	57.00	38.60
3	#10400.00	58.2 PK	68.3	-10.1	1.00 H	95	8.70	49.50
4	15600.00	59.1 PK	74.0	-14.9	1.03 H	35	8.40	50.70
5	15600.00	46.1 AV	54.0	-7.9	1.03 H	35	-4.60	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	104.9 PK			1.00 V	1	66.30	38.60
2	*5200.00	93.7 AV			1.00 V	1	55.10	38.60
3	#10400.00	57.5 PK	68.3	-10.8	1.00 V	88	8.00	49.50
4	15600.00	58.3 PK	74.0	-15.7	1.05 V	32	7.60	50.70
5	15600.00	45.6 AV	54.0	-8.4	1.05 V	32	-5.10	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5240.00	107.1 PK			1.05 H	23	68.40	38.70
2	*5240.00	95.9 AV			1.05 H	23	57.20	38.70
3	5350.00	56.2 PK	74.0	-17.8	1.04 H	32	17.40	38.80
4	5350.00	44.9 AV	54.0	-9.1	1.04 H	32	6.10	38.80
5	#10480.00	58.0 PK	68.3	-10.3	1.00 H	98	8.30	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	104.2 PK			1.00 V	357	65.50	38.70
2	*5240.00	93.2 AV			1.00 V	357	54.50	38.70
3	5350.00	55.8 PK	74.0	-18.2	1.00 V	5	17.00	38.80
4	5350.00	43.3 AV	54.0	-10.7	1.00 V	5	4.50	38.80
5	#10480.00	57.0 PK	68.3	-11.3	1.00 V	109	7.30	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5150.00	54.5 PK	74.0	-19.5	1.04 H	22	15.90	38.60
2	5150.00	43.5 AV	54.0	-10.5	1.04 H	22	4.90	38.60
3	*5260.00	105.1 PK			1.05 H	22	66.40	38.70
4	*5260.00	93.7 AV			1.05 H	22	55.00	38.70
5	#10520.00	57.5 PK	68.3	-10.8	1.00 H	19	7.70	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	53.9 PK	74.0	-20.1	1.00 V	2	15.30	38.60
2	5150.00	42.8 AV	54.0	-11.2	1.00 V	2	4.20	38.60
3	*5260.00	102.7 PK			1.00 V	358	64.00	38.70
4	*5260.00	91.4 AV			1.00 V	358	52.70	38.70
5	#10520.00	56.2 PK	68.3	-12.1	1.00 V	10	6.40	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5300.00	105.2 PK			1.04 H	24	66.40	38.80
2	*5300.00	94.7 AV			1.04 H	24	55.90	38.80
3	10600.00	60.0 PK	74.0	-14.0	1.09 H	89	10.00	50.00
4	10600.00	45.6 AV	54.0	-8.4	1.09 H	89	-4.40	50.00
5	15900.00	59.2 PK	74.0	-14.8	1.41 H	14	9.10	50.10
6	15900.00	46.0 AV	54.0	-8.0	1.41 H	14	-4.10	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	103.2 PK			1.09 V	355	64.40	38.80
2	*5300.00	92.0 AV			1.09 V	355	53.20	38.80
3	10600.00	59.0 PK	74.0	-15.0	1.10 V	85	9.00	50.00
4	10600.00	44.1 AV	54.0	-9.9	1.10 V	85	-5.90	50.00
5	15900.00	58.1 PK	74.0	-15.9	1.40 V	20	8.00	50.10
6	15900.00	45.0 AV	54.0	-9.0	1.40 V	20	-5.10	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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5320.00	106.3 PK			1.04 H	24	67.50	38.80
2	*5320.00	94.8 AV			1.04 H	24	56.00	38.80
3	5350.00	61.0 PK	74.0	-13.0	1.25 H	25	22.20	38.80
4	5350.00	45.5 AV	54.0	-8.5	1.25 H	25	6.70	38.80
5	10640.00	60.0 PK	74.0	-14.0	1.12 H	69	9.80	50.20
6	10640.00	45.5 AV	54.0	-8.5	1.12 H	69	-4.70	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	103.4 PK			1.09 V	19	64.60	38.80
2	*5320.00	92.6 AV			1.09 V	19	53.80	38.80
3	5350.00	60.0 PK	74.0	-14.0	1.20 V	18	21.20	38.80
4	5350.00	44.0 AV	54.0	-10.0	1.20 V	18	5.20	38.80
5	10640.00	59.0 PK	74.0	-15.0	1.15 V	65	8.80	50.20
6	10640.00	44.0 AV	54.0	-10.0	1.15 V	65	-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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5460.00	56.1 PK	74.0	-17.9	1.00 H	30	17.10	39.00
2	5460.00	43.0 AV	54.0	-11.0	1.00 H	30	4.00	39.00
3	#5470.00	60.4 PK	68.3	-7.9	1.00 H	30	21.40	39.00
4	*5500.00	102.4 PK			1.00 H	26	63.30	39.10
5	*5500.00	91.6 AV			1.00 H	26	52.50	39.10
6	11000.00	55.2 PK	74.0	-18.8	1.11 H	77	3.60	51.60
7	11000.00	44.0 AV	54.0	-10.0	1.11 H	77	-7.60	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	57.4 PK	74.0	-16.6	1.17 V	17	18.40	39.00
2	5460.00	44.0 AV	54.0	-10.0	1.17 V	17	5.00	39.00
3	#5470.00	63.2 PK	68.3	-5.1	1.17 V	17	24.20	39.00
4	*5500.00	105.2 PK			1.05 V	17	66.10	39.10
5	*5500.00	94.5 AV			1.05 V	17	55.40	39.10
6	11000.00	56.6 PK	74.0	-17.4	1.15 V	81	5.00	51.60
7	11000.00	45.0 AV	54.0	-9.0	1.15 V	81	-6.60	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5580.00	101.9 PK			1.00 H	339	62.70	39.20
2	*5580.00	91.0 AV			1.00 H	339	51.80	39.20
3	11160.00	58.9 PK	74.0	-15.1	1.00 H	130	7.60	51.30
4	11160.00	44.3 AV	54.0	-9.7	1.00 H	130	-7.00	51.30
5	#16740.00	60.4 PK	68.3	-7.9	1.07 H	50	7.40	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	105.3 PK			1.02 V	27	66.10	39.20
2	*5580.00	93.1 AV			1.02 V	27	53.90	39.20
3	11160.00	59.5 PK	74.0	-14.5	1.00 V	127	8.20	51.30
4	11160.00	45.5 AV	54.0	-8.5	1.00 V	127	-5.80	51.30
5	#16740.00	61.5 PK	68.3	-6.8	1.05 V	15	8.50	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 132	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5660.00	103.1 PK			1.20 H	338	63.70	39.40
2	*5660.00	92.5 AV			1.20 H	338	53.10	39.40
3	11320.00	58.2 PK	74.0	-15.8	1.00 H	154	6.40	51.80
4	11320.00	45.4 AV	54.0	-8.6	1.00 H	154	-6.40	51.80
5	#16980.00	60.9 PK	68.3	-7.4	1.00 H	228	6.70	54.20
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	*5660.00	105.8 PK			1.00 V	21	66.40	39.40
2	*5660.00	95.5 AV			1.00 V	21	56.10	39.40
3	11320.00	59.3 PK	74.0	-14.7	1.00 V	147	7.50	51.80
4	11320.00	46.8 AV	54.0	-7.2	1.00 V	147	-5.00	51.80
5	#16980.00	61.8 PK	68.3	-6.5	1.00 V	235	7.60	54.20

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5700.00	102.7 PK			1.10 H	339	63.20	39.50
2	*5700.00	91.8 AV			1.10 H	339	52.30	39.50
3	#5725.00	65.0 PK	68.3	-3.3	1.54 H	325	25.50	39.50
4	11400.00	57.5 PK	74.0	-16.5	1.00 H	131	5.90	51.60
5	11400.00	44.9 AV	54.0	-9.1	1.00 H	131	-6.70	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	*5700.00	106.2 PK			1.00 V	17	66.70	39.50
2	*5700.00	94.9 AV			1.00 V	17	55.40	39.50
3	#5725.00	65.9 PK	68.3	-2.4	1.00 V	17	26.40	39.50
4	11400.00	58.7 PK	74.0	-15.3	1.00 V	145	7.10	51.60
5	11400.00	45.4 AV	54.0	-8.6	1.00 V	145	-6.20	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 the restricted band.

802.11n (40MHz): 1TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5150.00	67.3 PK	74.0	-6.7	1.06 H	21	28.70	38.60
2	5150.00	51.5 AV	54.0	-2.5	1.06 H	21	12.90	38.60
3	*5190.00	102.6 PK			1.05 H	22	64.00	38.60
4	*5190.00	91.5 AV			1.05 H	22	52.90	38.60
5	#10380.00	58.2 PK	68.3	-10.1	1.10 H	75	8.70	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	65.4 PK	74.0	-8.6	1.01 V	2	26.80	38.60
2	5150.00	49.8 AV	54.0	-4.2	1.01 V	2	11.20	38.60
3	*5190.00	100.7 PK			1.00 V	1	62.10	38.60
4	*5190.00	89.5 AV			1.00 V	1	50.90	38.60
5	#10380.00	57.0 PK	68.3	-11.3	1.05 V	96	7.50	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5150.00	55.2 PK	74.0	-18.8	1.06 H	20	16.60	38.60
2	5150.00	42.3 AV	54.0	-11.7	1.06 H	20	3.70	38.60
3	*5230.00	102.8 PK			1.05 H	23	64.20	38.60
4	*5230.00	91.5 AV			1.05 H	23	52.90	38.60
5	#10460.00	59.0 PK	68.3	-9.3	1.16 H	96	9.40	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	5150.00	54.7 PK	74.0	-19.3	1.00 V	355	16.10	38.60
2	5150.00	41.5 AV	54.0	-12.5	1.00 V	355	2.90	38.60
3	*5230.00	100.3 PK			1.00 V	357	61.70	38.60
4	*5230.00	89.0 AV			1.00 V	357	50.40	38.60
5	#10460.00	58.0 PK	68.3	-10.3	1.22 V	119	8.40	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5150.00	55.1 PK	74.0	-18.9	1.05 H	23	16.50	38.60
2	5150.00	42.1 AV	54.0	-11.9	1.05 H	23	3.50	38.60
3	*5270.00	102.3 PK			1.04 H	23	63.60	38.70
4	*5270.00	91.0 AV			1.04 H	23	52.30	38.70
5	#10540.00	59.2 PK	68.3	-9.1	1.11 H	77	9.40	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	54.9 PK	74.0	-19.1	1.01 V	355	16.30	38.60
2	5150.00	42.0 AV	54.0	-12.0	1.01 V	355	3.40	38.60
3	*5270.00	100.4 PK			1.00 V	357	61.70	38.70
4	*5270.00	89.2 AV			1.00 V	357	50.50	38.70
5	#10540.00	58.1 PK	68.3	-10.2	1.13 V	74	8.30	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 62	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5310.00	102.9 PK			1.03 H	23	64.10	38.80
2	*5310.00	92.0 AV			1.03 H	23	53.20	38.80
3	5350.00	63.6 PK	74.0	-10.4	1.03 H	25	24.80	38.80
4	5350.00	48.4 AV	54.0	-5.6	1.03 H	25	9.60	38.80
5	10620.00	57.8 PK	74.0	-16.2	1.55 H	47	7.70	50.10
6	10620.00	45.1 AV	54.0	-8.9	1.55 H	47	-5.00	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	*5310.00	100.4 PK			1.08 V	21	61.60	38.80
2	*5310.00	89.2 AV			1.08 V	21	50.40	38.80
3	5350.00	63.1 PK	74.0	-10.9	1.08 V	20	24.30	38.80
4	5350.00	48.1 AV	54.0	-5.9	1.08 V	20	9.30	38.80
5	10620.00	56.5 PK	74.0	-17.5	1.47 V	55	6.40	50.10
6	10620.00	44.6 AV	54.0	-9.4	1.47 V	55	-5.50	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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	5460.00	56.9 PK	74.0	-17.1	1.00 H	35	17.90	39.00
2	5460.00	43.6 AV	54.0	-10.4	1.00 H	35	4.60	39.00
3	#5470.00	64.0 PK	68.3	-4.3	1.00 H	35	25.00	39.00
4	*5510.00	100.7 PK			1.00 H	36	61.60	39.10
5	*5510.00	89.5 AV			1.00 H	36	50.40	39.10
6	11020.00	58.6 PK	74.0	-15.4	1.00 H	30	7.10	51.50
7	11020.00	45.0 AV	54.0	-9.0	1.00 H	30	-6.50	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	57.2 PK	74.0	-16.8	1.05 V	19	18.20	39.00
2	5460.00	44.2 AV	54.0	-9.8	1.05 V	19	5.20	39.00
3	#5470.00	67.0 PK	68.3	-1.3	1.05 V	19	28.00	39.00
4	*5510.00	101.4 PK			1.04 V	19	62.30	39.10
5	*5510.00	90.4 AV			1.04 V	19	51.30	39.10
6	11020.00	59.7 PK	74.0	-14.3	1.00 V	11	8.20	51.50
7	11020.00	46.0 AV	54.0	-8.0	1.00 V	11	-5.50	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 110	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5550.00	100.5 PK			1.00 H	24	61.40	39.10
2	*5550.00	89.3 AV			1.00 H	24	50.20	39.10
3	11100.00	57.7 PK	74.0	-16.3	1.00 H	158	6.40	51.30
4	11100.00	44.0 AV	54.0	-10.0	1.00 H	158	-7.30	51.30
5	#16650.00	61.0 PK	68.3	-7.3	1.05 H	291	8.40	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	101.6 PK			1.04 V	17	62.50	39.10
2	*5550.00	90.3 AV			1.04 V	17	51.20	39.10
3	11100.00	58.9 PK	74.0	-15.1	1.00 V	185	7.60	51.30
4	11100.00	45.5 AV	54.0	-8.5	1.00 V	185	-5.80	51.30
5	#16650.00	62.0 PK	68.3	-6.3	1.04 V	298	9.40	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 134	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Alan 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	*5760.00	100.3 PK			1.00 H	23	60.70	39.60
2	*5760.00	88.9 AV			1.00 H	23	49.30	39.60
3	11340.00	60.1 PK	74.0	-13.9	1.00 H	143	8.40	51.70
4	11340.00	46.5 AV	54.0	-7.5	1.00 H	143	-5.20	51.70
5	#17010.00	63.3 PK	68.3	-5.0	1.07 H	334	8.90	54.40
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	*5670.00	100.8 PK			1.00 V	21	61.40	39.40
2	*5670.00	89.5 AV			1.00 V	21	50.10	39.40
3	11340.00	60.5 PK	74.0	-13.5	1.00 V	201	8.80	51.70
4	11340.00	46.6 AV	54.0	-7.4	1.00 V	201	-5.10	51.70
5	#17010.00	63.0 PK	68.3	-5.3	1.00 V	312	8.60	54.40

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 the restricted band.

802.11n (20MHz): 2TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	57.2 PK	74.0	-16.8	1.59 H	24	18.60	38.60
2	5150.00	43.7 AV	54.0	-10.3	1.59 H	24	5.10	38.60
3	*5180.00	105.8 PK			1.59 H	24	67.20	38.60
4	*5180.00	94.0 AV			1.59 H	24	55.40	38.60
5	#10360.00	58.3 PK	68.3	-10.0	1.00 H	24	8.80	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	5150.00	57.9 PK	74.0	-16.1	1.00 V	5	19.30	38.60
2	5150.00	43.4 AV	54.0	-10.6	1.00 V	5	4.80	38.60
3	*5180.00	104.8 PK			1.00 V	5	66.20	38.60
4	*5180.00	92.4 AV			1.00 V	5	53.80	38.60
5	#10360.00	58.6 PK	68.3	-9.7	1.00 V	48	9.10	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	56.3 PK	74.0	-17.7	1.06 H	21	17.70	38.60
2	5150.00	42.1 AV	54.0	-11.9	1.06 H	21	3.50	38.60
3	*5200.00	106.0 PK			1.06 H	21	67.40	38.60
4	*5200.00	93.9 AV			1.06 H	21	55.30	38.60
5	#10400.00	58.0 PK	68.3	-10.3	1.00 H	36	8.50	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	55.5 PK	74.0	-18.5	1.00 V	2	16.90	38.60
2	5150.00	41.9 AV	54.0	-12.1	1.00 V	2	3.30	38.60
3	*5200.00	103.8 PK			1.00 V	2	65.20	38.60
4	*5200.00	91.8 AV			1.00 V	2	53.20	38.60
5	#10400.00	58.3 PK	68.3	-10.0	1.00 V	51	8.80	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	105.1 PK			1.07 H	38	66.40	38.70
2	*5240.00	92.8 AV			1.07 H	38	54.10	38.70
3	5350.00	56.8 PK	74.0	-17.2	1.07 H	38	18.00	38.80
4	5350.00	43.2 AV	54.0	-10.8	1.07 H	38	4.40	38.80
5	#10480.00	58.3 PK	68.3	-10.0	1.00 H	41	8.60	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	*5240.00	103.6 PK			1.00 V	3	64.90	38.70
2	*5240.00	91.3 AV			1.00 V	3	52.60	38.70
3	5350.00	56.5 PK	74.0	-17.5	1.00 V	3	17.70	38.80
4	5350.00	43.0 AV	54.0	-11.0	1.00 V	3	4.20	38.80
5	#10480.00	58.7 PK	68.3	-9.6	1.00 V	55	9.00	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	108.0 PK			1.04 H	26	69.30	38.70
2	*5260.00	95.8 AV			1.04 H	26	57.10	38.70
3	5350.00	57.0 PK	74.0	-17.0	1.04 H	26	18.20	38.80
4	5350.00	43.1 AV	54.0	-10.9	1.04 H	26	4.30	38.80
5	#10520.00	58.7 PK	68.3	-9.6	1.00 H	37	8.90	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	*5260.00	105.2 PK			1.00 V	1	66.50	38.70
2	*5260.00	94.0 AV			1.00 V	1	55.30	38.70
3	5350.00	56.5 PK	74.0	-17.5	1.00 V	1	17.70	38.80
4	5350.00	43.0 AV	54.0	-11.0	1.00 V	1	4.20	38.80
5	#10520.00	59.0 PK	68.3	-9.3	1.00 V	50	9.20	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	108.2 PK			1.03 H	24	69.40	38.80
2	*5300.00	95.8 AV			1.03 H	24	57.00	38.80
3	5350.00	57.1 PK	74.0	-16.9	1.03 H	24	18.30	38.80
4	5350.00	43.5 AV	54.0	-10.5	1.03 H	24	4.70	38.80
5	10600.00	59.2 PK	74.0	-14.8	1.00 H	41	9.20	50.00
6	10600.00	44.9 AV	54.0	-9.1	1.00 H	41	-5.10	50.00
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	105.0 PK			1.20 V	15	66.20	38.80
2	*5300.00	93.6 AV			1.20 V	15	54.80	38.80
3	5350.00	57.9 PK	74.0	-16.1	1.20 V	15	19.10	38.80
4	5350.00	43.4 AV	54.0	-10.6	1.20 V	15	4.60	38.80
5	10600.00	59.1 PK	74.0	-14.9	1.00 V	47	9.10	50.00
6	10600.00	44.7 AV	54.0	-9.3	1.00 V	47	-5.30	50.00

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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	108.4 PK			1.04 H	26	69.60	38.80
2	*5320.00	96.0 AV			1.04 H	26	57.20	38.80
3	5350.00	58.2 PK	74.0	-15.8	1.04 H	26	19.40	38.80
4	5350.00	43.9 AV	54.0	-10.1	1.04 H	26	5.10	38.80
5	10640.00	59.5 PK	74.0	-14.5	1.00 H	29	9.30	50.20
6	10640.00	44.9 AV	54.0	-9.1	1.00 H	29	-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	105.4 PK			1.08 V	19	66.60	38.80
2	*5320.00	94.1 AV			1.08 V	19	55.30	38.80
3	5350.00	58.0 PK	74.0	-16.0	1.08 V	19	19.20	38.80
4	5350.00	44.2 AV	54.0	-9.8	1.08 V	19	5.40	38.80
5	10640.00	59.5 PK	74.0	-14.5	1.00 V	52	9.30	50.20
6	10640.00	45.1 AV	54.0	-8.9	1.00 V	52	-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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	57.6 PK	74.0	-16.4	1.00 H	32	18.60	39.00
2	5460.00	43.9 AV	54.0	-10.1	1.00 H	32	4.90	39.00
3	#5470.00	60.6 PK	68.3	-7.7	1.00 H	32	21.60	39.00
4	*5500.00	104.2 PK			1.00 H	32	65.10	39.10
5	*5500.00	92.2 AV			1.00 H	32	53.10	39.10
6	11000.00	60.9 PK	74.0	-13.1	1.00 H	31	9.30	51.60
7	11000.00	46.2 AV	54.0	-7.8	1.00 H	31	-5.40	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	56.7 PK	74.0	-17.3	1.05 V	17	17.70	39.00
2	5460.00	44.1 AV	54.0	-9.9	1.05 V	17	5.10	39.00
3	#5470.00	61.1 PK	68.3	-7.2	1.05 V	17	22.10	39.00
4	*5500.00	104.6 PK			1.05 V	17	65.50	39.10
5	*5500.00	92.7 AV			1.05 V	17	53.60	39.10
6	11000.00	61.5 PK	74.0	-12.5	1.00 V	55	9.90	51.60
7	11000.00	46.4 AV	54.0	-7.6	1.00 V	55	-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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	104.0 PK			1.00 H	27	64.80	39.20
2	*5580.00	91.7 AV			1.00 H	27	52.50	39.20
3	11160.00	60.3 PK	74.0	-13.7	1.00 H	38	9.00	51.30
4	11160.00	45.6 AV	54.0	-8.4	1.00 H	38	-5.70	51.30
5	#16740.00	62.1 PK	68.3	-6.2	1.00 H	354	9.10	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	104.5 PK			1.02 V	18	65.30	39.20
2	*5580.00	92.4 AV			1.02 V	18	53.20	39.20
3	11160.00	60.0 PK	74.0	-14.0	1.00 V	67	8.70	51.30
4	11160.00	46.2 AV	54.0	-7.8	1.00 V	67	-5.10	51.30
5	#16740.00	62.0 PK	68.3	-6.3	1.00 V	18	9.00	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 132	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	*5660.00	104.5 PK			1.08 H	30	65.10	39.40
2	*5660.00	92.6 AV			1.08 H	30	53.20	39.40
3	11320.00	59.7 PK	74.0	-14.3	1.00 H	52	7.90	51.80
4	11320.00	47.1 AV	54.0	-6.9	1.00 H	52	-4.70	51.80
5	#16980.00	61.5 PK	68.3	-6.8	1.02 H	349	7.30	54.20
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	*5660.00	105.4 PK			1.00 V	20	66.00	39.40
2	*5660.00	94.1 AV			1.00 V	20	54.70	39.40
3	11320.00	60.5 PK	74.0	-13.5	1.00 V	61	8.70	51.80
4	11320.00	47.0 AV	54.0	-7.0	1.00 V	61	-4.80	51.80
5	#16980.00	62.7 PK	68.3	-5.6	1.00 V	17	8.50	54.20

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	104.9 PK			1.06 H	35	65.40	39.50
2	*5700.00	93.4 AV			1.06 H	35	53.90	39.50
3	#5725.00	62.0 PK	68.3	-6.3	1.06 H	35	22.50	39.50
4	11400.00	58.6 PK	74.0	-15.4	1.00 H	31	7.00	51.60
5	11400.00	45.9 AV	54.0	-8.1	1.00 H	31	-5.70	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	*5700.00	106.9 PK			1.00 V	19	67.40	39.50
2	*5700.00	94.9 AV			1.00 V	19	55.40	39.50
3	#5725.00	65.7 PK	68.3	-2.6	1.00 V	19	26.20	39.50
4	11400.00	60.2 PK	74.0	-13.8	1.00 V	72	8.60	51.60
5	11400.00	46.9 AV	54.0	-7.1	1.00 V	72	-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 the restricted band.

802.11n (40MHz): 2TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	65.5 PK	74.0	-8.5	1.20 H	27	26.90	38.60
2	5150.00	52.6 AV	54.0	-1.4	1.20 H	27	14.00	38.60
3	*5190.00	103.2 PK			1.18 H	26	64.60	38.60
4	*5190.00	92.1 AV			1.18 H	26	53.50	38.60
5	#10380.00	58.7 PK	68.3	-9.6	1.07 H	32	9.20	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	64.1 PK	74.0	-9.9	1.00 V	2	25.50	38.60
2	5150.00	49.6 AV	54.0	-4.4	1.00 V	2	11.00	38.60
3	*5190.00	101.6 PK			1.00 V	2	63.00	38.60
4	*5190.00	90.4 AV			1.00 V	2	51.80	38.60
5	#10380.00	57.7 PK	68.3	-10.6	1.00 V	37	8.20	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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	55.0 PK	74.0	-19.0	1.30 H	22	16.40	38.60
2	5150.00	43.1 AV	54.0	-10.9	1.30 H	22	4.50	38.60
3	*5230.00	104.2 PK			1.30 H	22	65.60	38.60
4	*5230.00	93.3 AV			1.30 H	22	54.70	38.60
5	#10460.00	58.9 PK	68.3	-9.4	1.06 H	35	9.30	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	5150.00	54.7 PK	74.0	-19.3	1.00 V	5	16.10	38.60
2	5150.00	42.6 AV	54.0	-11.4	1.00 V	5	4.00	38.60
3	*5230.00	102.5 PK			1.00 V	5	63.90	38.60
4	*5230.00	91.6 AV			1.00 V	5	53.00	38.60
5	#10460.00	57.9 PK	68.3	-10.4	1.06 V	35	8.30	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	55.8 PK	74.0	-18.2	1.27 H	25	17.20	38.60
2	5150.00	42.4 AV	54.0	-11.6	1.27 H	25	3.80	38.60
3	*5270.00	103.9 PK			1.27 H	25	65.20	38.70
4	*5270.00	93.1 AV			1.27 H	25	54.40	38.70
5	#10540.00	59.4 PK	68.3	-8.9	1.07 H	46	9.60	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	55.8 PK	74.0	-18.2	1.00 V	4	17.20	38.60
2	5150.00	42.3 AV	54.0	-11.7	1.00 V	4	3.70	38.60
3	*5270.00	102.3 PK			1.00 V	4	63.60	38.70
4	*5270.00	91.4 AV			1.00 V	4	52.70	38.70
5	#10540.00	58.3 PK	68.3	-10.0	1.08 V	30	8.50	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 62	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	105.3 PK			1.04 H	26	66.50	38.80
2	*5310.00	94.6 AV			1.04 H	26	55.80	38.80
3	5350.00	63.1 PK	74.0	-10.9	1.04 H	26	24.30	38.80
4	5350.00	50.3 AV	54.0	-3.7	1.04 H	26	11.50	38.80
5	10620.00	58.5 PK	74.0	-15.5	1.02 H	58	8.40	50.10
6	10620.00	45.8 AV	54.0	-8.2	1.02 H	58	-4.30	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	102.6 PK			1.09 V	2	63.80	38.80
2	*5310.00	92.2 AV			1.09 V	2	53.40	38.80
3	5350.00	61.8 PK	74.0	-12.2	1.09 V	2	23.00	38.80
4	5350.00	49.3 AV	54.0	-4.7	1.09 V	2	10.50	38.80
5	10620.00	57.0 PK	74.0	-17.0	1.07 V	32	6.90	50.10
6	10620.00	45.0 AV	54.0	-9.0	1.07 V	32	-5.10	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, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	61.1 PK	74.0	-12.9	1.11 H	27	22.10	39.00
2	5460.00	48.6 AV	54.0	-5.4	1.11 H	27	9.60	39.00
3	#5470.00	66.5 PK	68.3	-1.8	1.11 H	27	27.50	39.00
4	*5510.00	99.1 PK			1.11 H	27	60.00	39.10
5	*5510.00	88.3 AV			1.11 H	27	49.20	39.10
6	11020.00	58.9 PK	74.0	-15.1	1.06 H	53	7.40	51.50
7	11020.00	45.3 AV	54.0	-8.7	1.06 H	53	-6.20	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	60.8 PK	74.0	-13.2	1.05 V	16	21.80	39.00
2	5460.00	47.7 AV	54.0	-6.3	1.05 V	16	8.70	39.00
3	**#5470.00**	**67.2 PK**	**68.3**	**-1.1**	**1.05 V**	**16**	**28.20**	**39.00**
4	*5510.00	99.8 PK			1.05 V	16	60.70	39.10
5	*5510.00	89.6 AV			1.05 V	16	50.50	39.10
6	11020.00	59.9 PK	74.0	-14.1	1.07 V	44	8.40	51.50
7	11020.00	46.3 AV	54.0	-7.7	1.07 V	44	-5.20	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 110	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	99.4 PK			1.10 H	33	60.30	39.10
2	*5550.00	88.7 AV			1.10 H	33	49.60	39.10
3	11100.00	57.8 PK	74.0	-16.2	1.07 H	62	6.50	51.30
4	11100.00	44.3 AV	54.0	-9.7	1.07 H	62	-7.00	51.30
5	#16650.00	61.3 PK	68.3	-7.0	1.04 H	278	8.70	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	100.4 PK			1.03 V	21	61.30	39.10
2	*5550.00	90.3 AV			1.03 V	21	51.20	39.10
3	11100.00	59.2 PK	74.0	-14.8	1.08 V	59	7.90	51.30
4	11100.00	45.9 AV	54.0	-8.1	1.08 V	59	-5.40	51.30
5	#16650.00	62.2 PK	68.3	-6.1	1.05 V	299	9.60	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 the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 134	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 65%RH	TESTED BY	Haru Yang

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	101.2 PK			1.17 H	37	61.80	39.40
2	*5670.00	91.3 AV			1.17 H	37	51.90	39.40
3	11340.00	60.0 PK	74.0	-14.0	1.09 H	47	8.30	51.70
4	11340.00	46.6 AV	54.0	-7.4	1.09 H	47	-5.10	51.70
5	#17010.00	63.6 PK	68.3	-4.7	1.05 H	291	9.20	54.40
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	*5670.00	102.9 PK			1.00 V	20	63.50	39.40
2	*5670.00	93.2 AV			1.00 V	20	53.80	39.40
3	11340.00	60.9 PK	74.0	-13.1	1.07 V	63	9.20	51.70
4	11340.00	47.0 AV	54.0	-7.0	1.07 V	63	-4.70	51.70
5	#17010.00	63.2 PK	68.3	-5.1	1.04 V	312	8.80	54.40

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 the restricted band.

BELOW 1GHz WORST-CASE DATA：

802.11n (40MHz): 1TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Haru Yang

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	70.73	26.3 QP	40.0	-13.7	1.49 H	113	14.20	12.10
2	103.78	26.9 QP	43.5	-16.6	1.49 H	65	17.00	9.90
3	177.67	30.6 QP	43.5	-12.9	1.49 H	272	17.70	12.90
4	222.38	32.7 QP	46.0	-13.3	1.00 H	183	20.80	11.90
5	663.74	43.6 QP	46.0	-2.4	1.49 H	3	20.90	22.70
6	690.96	41.2 QP	46.0	-4.8	1.49 H	3	18.30	22.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	39.62	34.5 QP	40.0	-5.5	1.00 V	5	20.90	13.60
2	103.78	29.4 QP	43.5	-14.1	1.00 V	115	19.50	9.90
3	222.38	30.0 QP	46.0	-16.0	1.00 V	202	18.10	11.90
4	665.68	40.8 QP	46.0	-5.2	1.00 V	247	18.10	22.70
5	689.01	43.5 QP	46.0	-2.5	1.50 V	153	20.60	22.90
6	733.73	36.6 QP	46.0	-9.4	1.50 V	272	12.70	23.90

REMARKS:

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

802.11n (20MHz): 1TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 132	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Haru Yang

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	68.79	26.2 QP	40.0	-13.8	1.49 H	346	13.70	12.50
2	179.61	30.5 QP	43.5	-13.0	1.49 H	258	17.90	12.60
3	220.44	32.4 QP	46.0	-13.6	1.00 H	175	20.60	11.80
4	611.24	31.6 QP	46.0	-14.4	1.49 H	287	9.40	22.20
5	663.74	41.5 QP	46.0	-4.5	1.00 H	281	18.80	22.70
6	733.73	43.2 QP	46.0	-2.8	1.00 H	113	19.30	23.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	39.62	33.4 QP	40.0	-6.6	1.00 V	4	19.80	13.60
2	70.73	28.9 QP	40.0	-11.1	1.00 V	234	16.80	12.10
3	160.17	29.7 QP	43.5	-13.8	1.00 V	153	15.60	14.10
4	222.38	29.5 QP	46.0	-16.5	1.00 V	186	17.60	11.90
5	665.68	44.4 QP	46.0	-1.6	1.50 V	126	21.70	22.70
6	690.96	42.5 QP	46.0	-3.5	1.50 V	156	19.60	22.90

REMARKS:

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

802.11n (20MHz): 2TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Haru Yang

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	68.79	26.5 QP	40.0	-13.5	1.24 H	280	14.00	12.50
2	162.11	30.5 QP	43.5	-13.0	1.74 H	15	16.50	14.00
3	220.44	33.2 QP	46.0	-12.8	1.50 H	171	21.40	11.80
4	665.68	40.8 QP	46.0	-5.2	1.74 H	191	18.10	22.70
5	690.96	43.3 QP	46.0	-2.7	1.50 H	121	20.40	22.90
6	731.79	41.0 QP	46.0	-5.0	1.00 H	15	17.20	23.80
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	39.62	34.0 QP	40.0	-6.0	1.25 V	325	20.40	13.60
2	160.17	30.6 QP	43.5	-12.9	1.00 V	76	16.50	14.10
3	224.33	30.1 QP	46.0	-15.9	1.00 V	208	18.10	12.00
4	665.68	39.8 QP	46.0	-6.2	1.73 V	92	17.10	22.70
5	690.96	40.8 QP	46.0	-5.2	1.50 V	15	17.90	22.90
6	731.79	39.8 QP	46.0	-6.2	1.50 V	172	16.00	23.80

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 100	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Haru Yang

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	179.61	30.7 QP	43.5	-12.8	1.50 H	275	18.10	12.60
2	220.44	31.5 QP	46.0	-14.5	1.50 H	180	19.70	11.80
3	609.30	32.0 QP	46.0	-14.0	1.50 H	322	9.80	22.20
4	665.68	41.5 QP	46.0	-4.5	1.00 H	173	18.80	22.70
5	690.96	43.5 QP	46.0	-2.5	1.00 H	136	20.60	22.90
6	729.84	43.0 QP	46.0	-3.0	1.00 H	9	19.20	23.80
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	39.62	32.4 QP	40.0	-7.6	1.50 V	4	18.80	13.60
2	103.78	29.0 QP	43.5	-14.5	1.50 V	100	19.10	9.90
3	222.38	25.8 QP	46.0	-20.2	1.50 V	32	13.90	11.90
4	665.68	40.6 QP	46.0	-5.4	1.00 V	277	17.90	22.70
5	690.96	41.3 QP	46.0	-4.7	1.50 V	347	18.40	22.90
6	731.79	36.0 QP	46.0	-10.0	1.50 V	32	12.20	23.80

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.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.

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

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

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Nov. 19, 2011	Nov. 18, 2012
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 22, 2011	Dec. 21, 2012
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Dec. 30, 2011	Dec. 29, 2012
LISN ROHDE & SCHWARZ	ESH3-Z5	100312	Jul. 07, 2011	Jul. 06, 2012
Software ADT	ADT_Cond_ V7.3.7	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.

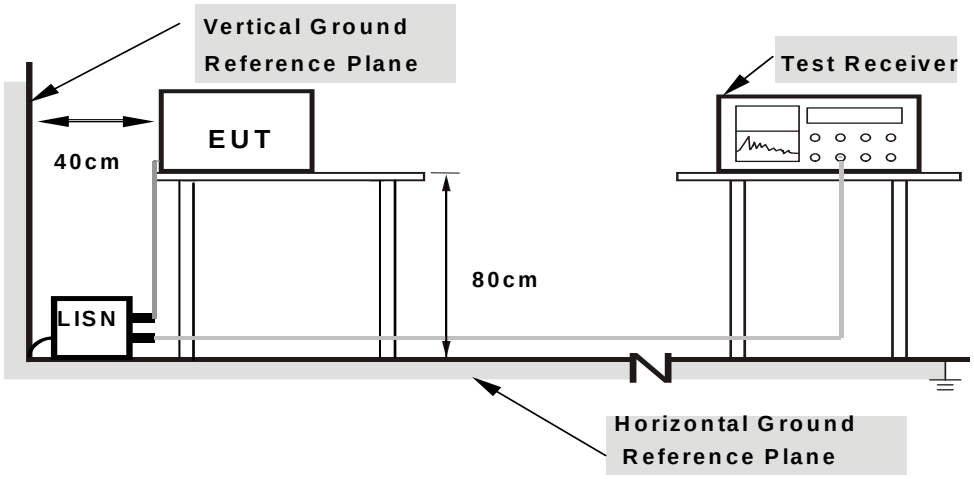
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

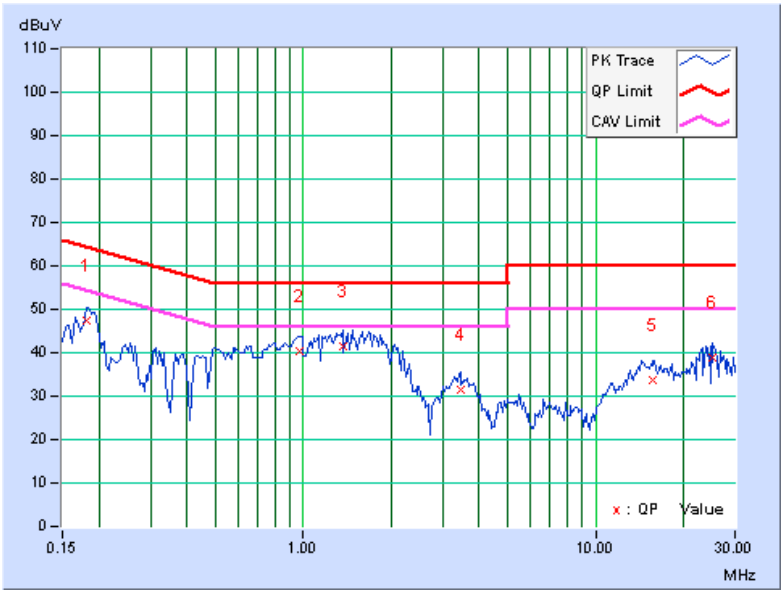
CONDUCTED WORST-CASE DATA：

802.11n (40MHz): 1TX

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 46		

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	0.18125	0.15	47.17	30.06	47.32	30.21	64.43	54.43	-17.11	-24.22
2	0.97031	0.19	40.15	27.73	40.34	27.92	56.00	46.00	-15.66	-18.08
3	1.36719	0.22	41.23	28.68	41.45	28.90	56.00	46.00	-14.55	-17.10
4	3.44922	0.32	31.24	22.47	31.56	22.79	56.00	46.00	-24.44	-23.21
5	15.72656	0.54	33.32	26.63	33.86	27.17	60.00	50.00	-26.14	-22.83
6	25.18359	0.58	38.13	34.12	38.71	34.70	60.00	50.00	-21.29	-15.30

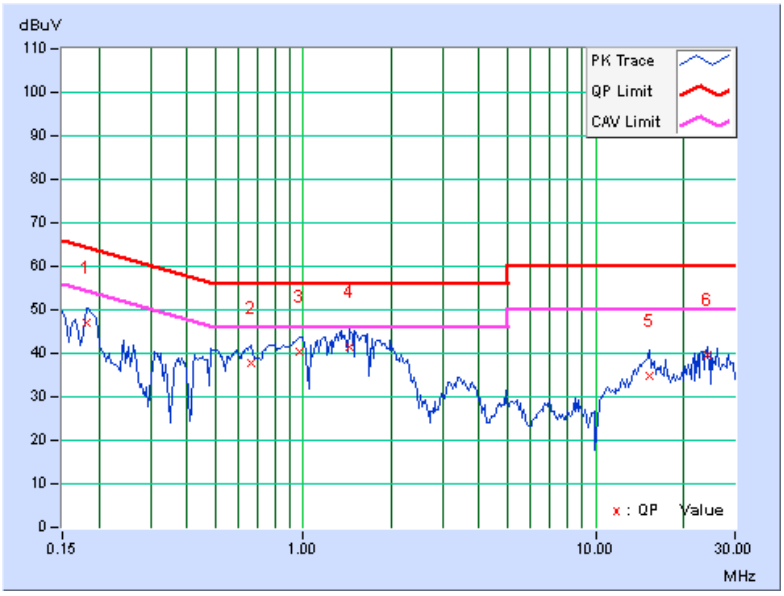
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 46		

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	0.18125	0.14	47.05	29.93	47.19	30.07	64.43	54.43	-17.24	-24.36
2	0.66563	0.17	37.74	23.49	37.91	23.66	56.00	46.00	-18.09	-22.34
3	0.97422	0.19	40.15	28.05	40.34	28.24	56.00	46.00	-15.66	-17.76
4	1.44141	0.22	41.25	28.57	41.47	28.79	56.00	46.00	-14.53	-17.21
5	15.32031	0.61	34.25	27.04	34.86	27.65	60.00	50.00	-25.14	-22.35
6	24.21484	0.65	39.13	32.80	39.78	33.45	60.00	50.00	-20.22	-16.55

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.

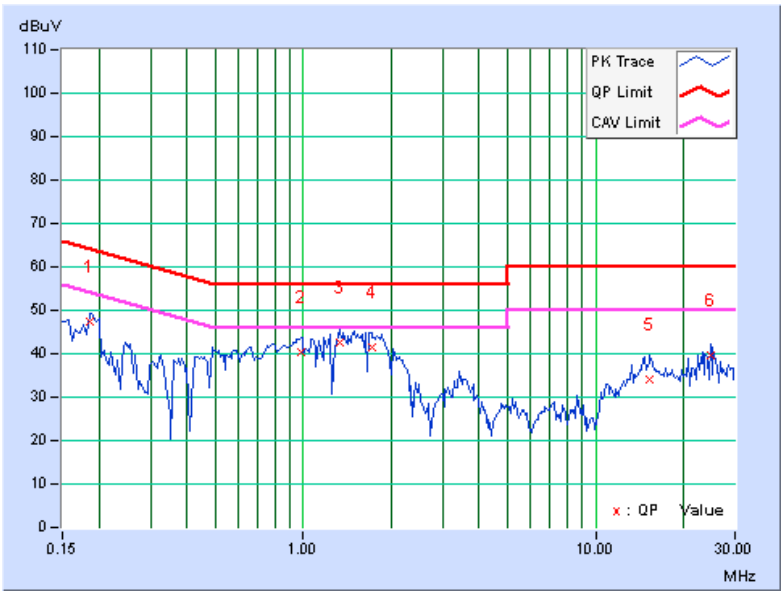


802.11n (20MHz): 1TX

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 132		

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	0.18516	0.15	47.36	33.70	47.51	33.85	64.25	54.25	-16.74	-20.40
2	0.98203	0.19	40.13	28.15	40.32	28.34	56.00	46.00	-15.68	-17.66
3	1.33203	0.21	42.25	30.89	42.46	31.10	56.00	46.00	-13.54	-14.90
4	1.71094	0.24	41.31	30.57	41.55	30.81	56.00	46.00	-14.45	-15.19
5	15.33984	0.54	33.43	26.72	33.97	27.26	60.00	50.00	-26.03	-22.74
6	24.70313	0.58	39.22	34.11	39.80	34.69	60.00	50.00	-20.20	-15.31

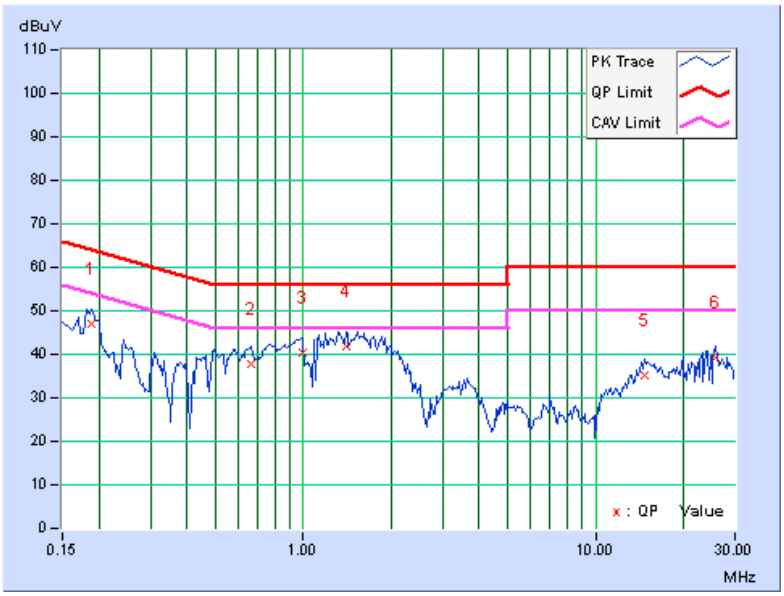
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 132		

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	0.18906	0.14	46.93	34.45	47.07	34.59	64.08	54.08	-17.01	-19.49
2	0.66563	0.17	37.57	23.20	37.74	23.37	56.00	46.00	-18.26	-22.63
3	0.99375	0.19	40.25	27.85	40.44	28.04	56.00	46.00	-15.56	-17.96
4	1.40234	0.22	41.45	30.53	41.67	30.75	56.00	46.00	-14.33	-15.25
5	14.78906	0.59	34.59	27.72	35.18	28.31	60.00	50.00	-24.82	-21.69
6	25.67188	0.62	38.47	32.98	39.09	33.60	60.00	50.00	-20.91	-16.40

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.

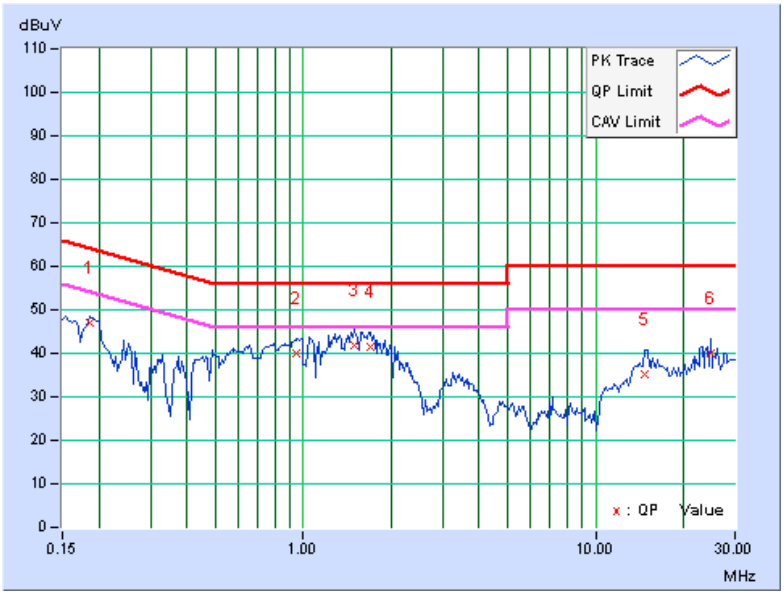


802.11n (20MHz): 2TX

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 64		

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	0.18516	0.15	46.86	33.36	47.01	33.51	64.25	54.25	-17.24	-20.74
2	0.94688	0.19	39.67	24.47	39.86	24.66	56.00	46.00	-16.14	-21.34
3	1.50000	0.23	41.54	28.72	41.77	28.95	56.00	46.00	-14.23	-17.05
4	1.70703	0.24	41.27	30.65	41.51	30.89	56.00	46.00	-14.49	-15.11
5	14.72656	0.52	34.49	27.88	35.01	28.40	60.00	50.00	-24.99	-21.60
6	24.71484	0.58	39.50	34.13	40.08	34.71	60.00	50.00	-19.92	-15.29

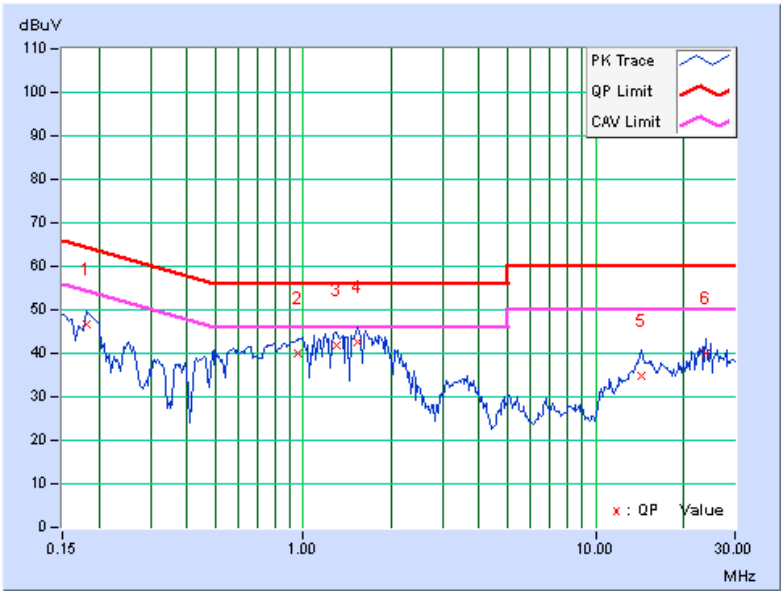
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 64		

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	0.18125	0.14	46.55	29.54	46.69	29.68	64.43	54.43	-17.74	-24.75
2	0.95859	0.19	39.77	24.23	39.96	24.42	56.00	46.00	-16.04	-21.58
3	1.29688	0.21	41.58	29.30	41.79	29.51	56.00	46.00	-14.21	-16.49
4	**1.53125**	**0.23**	**42.24**	**31.04**	**42.47**	**31.27**	**56.00**	**46.00**	**-13.53**	**-14.73**
5	14.33594	0.58	34.22	27.67	34.80	28.25	60.00	50.00	-25.20	-21.75
6	23.74219	0.66	39.42	33.93	40.08	34.59	60.00	50.00	-19.92	-15.41

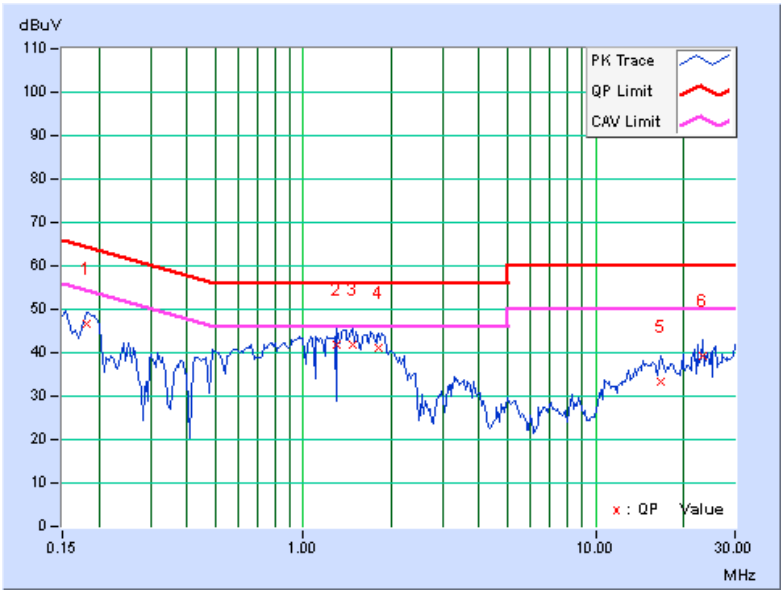
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 100		

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	0.18125	0.15	46.47	29.69	46.62	29.84	64.43	54.43	-17.81	-24.59
2	1.30859	0.21	41.68	29.20	41.89	29.41	56.00	46.00	-14.11	-16.59
3	1.48047	0.22	41.61	28.78	41.83	29.00	56.00	46.00	-14.17	-17.00
4	1.81641	0.25	41.04	29.15	41.29	29.40	56.00	46.00	-14.71	-16.60
5	16.65234	0.56	32.84	25.84	33.40	26.40	60.00	50.00	-26.60	-23.60
6	23.25391	0.60	38.63	31.55	39.23	32.15	60.00	50.00	-20.77	-17.85

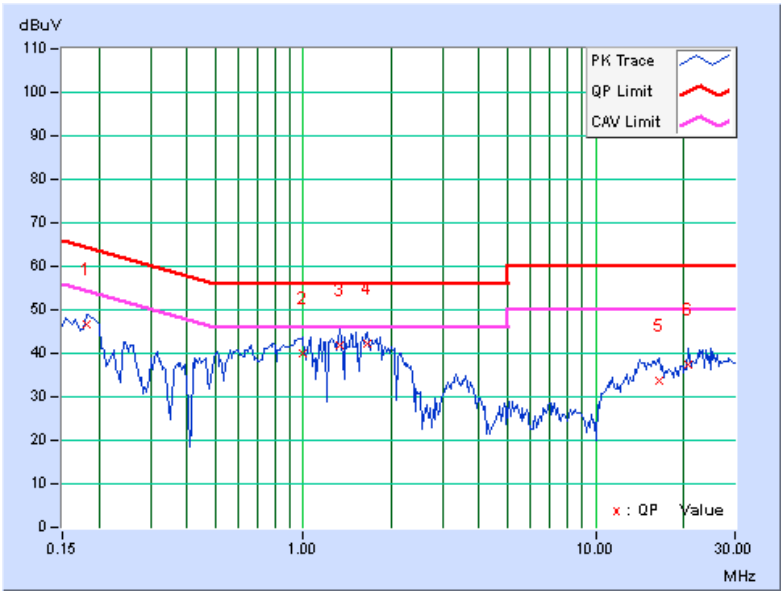
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 100		

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	0.18125	0.14	46.51	29.69	46.65	29.83	64.43	54.43	-17.78	-24.60
2	0.99375	0.19	39.87	27.79	40.06	27.98	56.00	46.00	-15.94	-18.02
3	1.33594	0.21	41.62	30.49	41.83	30.70	56.00	46.00	-14.17	-15.30
4	1.66406	0.24	41.85	30.44	42.09	30.68	56.00	46.00	-13.91	-15.32
5	16.51563	0.64	33.09	26.05	33.73	26.69	60.00	50.00	-26.27	-23.31
6	20.83984	0.71	36.53	31.34	37.24	32.05	60.00	50.00	-22.76	-17.95

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

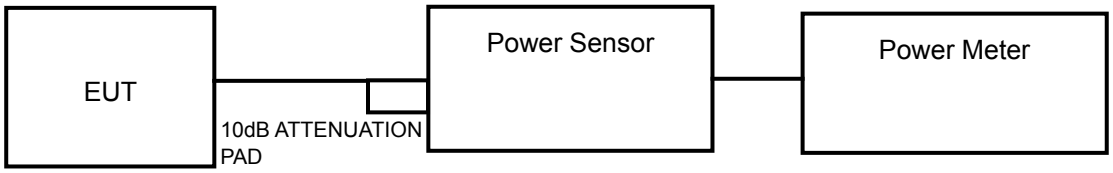
4.3.1 LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

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

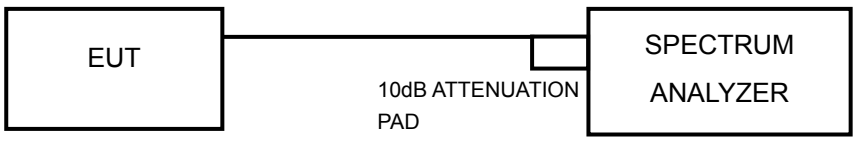
NOTE: Where B is the 26dB emission bandwidth in MHz.

4.3.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT



FOR 26dB BANDWIDTH



4.3.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.3.4 TEST PROCEDURE

FOR AVERAGE POWER MEASUREMENT (Method-PM)

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: 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	23.550	13.72	17	PASS
44	5220	22.961	13.61	17	PASS
48	5240	23.442	13.70	17	PASS
52	5260	20.654	13.15	24	PASS
60	5300	21.086	13.24	24	PASS
64	5320	21.429	13.31	24	PASS
100	5500	16.293	12.12	24	PASS
116	5580	16.672	12.22	24	PASS
132	5660	17.865	12.52	24	PASS
140	5700	16.827	12.26	24	PASS

802.11n (20MHz): 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	25.003	13.98	17	PASS
44	5220	25.586	14.08	17	PASS
48	5240	24.266	13.85	17	PASS
52	5260	21.135	13.25	24	PASS
60	5300	22.284	13.48	24	PASS
64	5320	20.989	13.22	24	PASS
100	5500	17.865	12.52	24	PASS
116	5580	18.408	12.65	24	PASS
132	5660	18.535	12.68	24	PASS
140	5700	17.418	12.41	24	PASS

802.11n (40MHz): 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
38	5190	24.434	13.88	17	PASS
46	5230	25.704	14.10	17	PASS
54	5270	22.182	13.46	24	PASS
62	5310	22.080	13.44	24	PASS
102	5510	18.323	12.63	24	PASS
110	5550	18.365	12.64	24	PASS
134	5670	18.408	12.65	24	PASS

802.11n (20MHz): 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	11.63	11.56	28.9	14.6	17	PASS
44	5220	11.61	11.54	28.7	14.6	17	PASS
48	5240	11.42	11.52	28.1	14.5	17	PASS
52	5260	13.69	13.53	45.9	16.6	24	PASS
60	5300	13.78	13.51	46.3	16.7	24	PASS
64	5320	13.68	13.71	46.8	16.7	24	PASS
100	5500	13.75	13.84	47.9	16.8	24	PASS
116	5580	13.63	13.50	45.5	16.6	24	PASS
132	5660	12.84	12.97	39.0	15.9	24	PASS
140	5700	13.48	13.59	45.1	16.5	24	PASS

**Signal type of 802.11n mode is uncorrelated.

802.11n (40MHz): 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	13.81	13.72	47.6	16.8	17	PASS
46	5230	13.55	13.78	46.5	16.7	17	PASS
54	5270	13.51	13.85	46.7	16.7	24	PASS
62	5310	13.64	13.51	45.6	16.6	24	PASS
102	5510	12.51	12.64	36.2	15.6	24	PASS
110	5550	13.67	13.78	47.2	16.7	24	PASS
134	5670	13.72	13.72	47.1	16.7	24	PASS

**Signal type of 802.11n mode is uncorrelated.

26dB BANDWIDTH: 802.11a: 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	PASS / FAIL
36	5180	24.10	PASS
44	5220	23.96	PASS
48	5240	23.75	PASS
52	5260	23.93	PASS
60	5300	25.75	PASS
64	5320	23.64	PASS
100	5500	21.02	PASS
116	5580	21.07	PASS
132	5660	21.59	PASS
140	5700	20.96	PASS

802.11n (20MHz): 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	PASS / FAIL
36	5180	23.88	PASS
44	5220	23.25	PASS
48	5240	26.84	PASS
52	5260	23.22	PASS
60	5300	23.15	PASS
64	5320	23.18	PASS
100	5500	22.34	PASS
116	5580	22.22	PASS
132	5660	21.86	PASS
140	5700	22.01	PASS

802.11n (40MHz): 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	PASS / FAIL
38	5190	41.14	PASS
46	5230	46.11	PASS
54	5270	46.40	PASS
62	5310	46.91	PASS
102	5510	41.11	PASS
110	5550	45.17	PASS
134	5670	41.18	PASS

802.11n (20MHz): 2TX

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		PASS / FAIL
		CHAIN 0	CHAIN 1	
36	5180	21.03	21.14	PASS
44	5220	20.93	21.14	PASS
48	5240	21.03	21.10	PASS
52	5260	21.42	21.43	PASS
60	5300	21.52	21.48	PASS
64	5320	21.82	21.71	PASS
100	5500	21.16	21.65	PASS
116	5580	23.37	21.90	PASS
132	5660	21.58	21.14	PASS
140	5700	22.17	21.49	PASS

802.11n (40MHz): 2TX

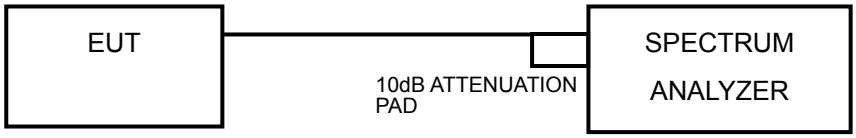
CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		PASS / FAIL
		CHAIN 0	CHAIN 1	
38	5190	40.72	41.43	PASS
46	5230	40.62	41.06	PASS
54	5270	40.84	41.19	PASS
62	5310	40.70	41.14	PASS
102	5510	40.59	41.03	PASS
110	5550	44.83	41.19	PASS
134	5670	46.70	47.75	PASS

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

Refer to section 4.1.3 to get information of above instrument.

4.4.4 TEST PROCEDURES

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

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	2.84	4	PASS
44	5220	2.97	4	PASS
48	5240	2.84	4	PASS
52	5260	2.68	11	PASS
60	5300	2.67	11	PASS
64	5320	2.71	11	PASS
100	5500	1.31	11	PASS
116	5580	1.40	11	PASS
132	5660	1.70	11	PASS
140	5700	1.33	11	PASS

802.11n (20MHz): 1TX

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	2.28	4	PASS
44	5220	2.29	4	PASS
48	5240	2.41	4	PASS
52	5260	2.26	11	PASS
60	5300	2.25	11	PASS
64	5320	2.03	11	PASS
100	5500	1.46	11	PASS
116	5580	1.49	11	PASS
132	5660	1.27	11	PASS
140	5700	1.18	11	PASS

802.11n (40MHz): 1TX

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
38	5190	-0.59	4	PASS
46	5230	-0.25	4	PASS
54	5270	-0.02	11	PASS
62	5310	-0.01	11	PASS
102	5510	-1.13	11	PASS
110	5550	-1.17	11	PASS
134	5670	-1.16	11	PASS

802.11n (20MHz): 2TX

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1			
36	5180	0.76	0.86	3.786	4	PASS
44	5220	0.82	0.75	3.788	4	PASS
48	5240	0.57	0.65	3.614	4	PASS
52	5260	2.53	2.37	5.450	11	PASS
60	5300	2.46	2.26	5.288	11	PASS
64	5320	2.41	2.67	5.507	11	PASS
100	5500	2.15	2.24	5.188	11	PASS
116	5580	2.33	2.27	5.263	11	PASS
132	5660	1.32	1.36	4.285	11	PASS
140	5700	1.85	1.96	4.858	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. Signal type of 802.11n mode is uncorrelated.

802.11n (40MHz): 2TX

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1			
38	5190	-0.51	-0.29	2.593	4	PASS
46	5230	-0.68	-0.25	2.526	4	PASS
54	5270	-0.60	-0.15	2.618	11	PASS
62	5310	-0.87	-0.64	2.192	11	PASS
102	5510	-1.88	-1.40	1.372	11	PASS
110	5550	-0.59	-0.25	2.579	11	PASS
134	5670	-0.73	-0.63	2.287	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.

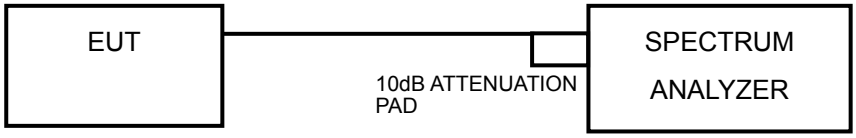
2. Signal type of 802.11n mode is uncorrelated.

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

Refer to section 4.1.3 to get information of above instrument.

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.

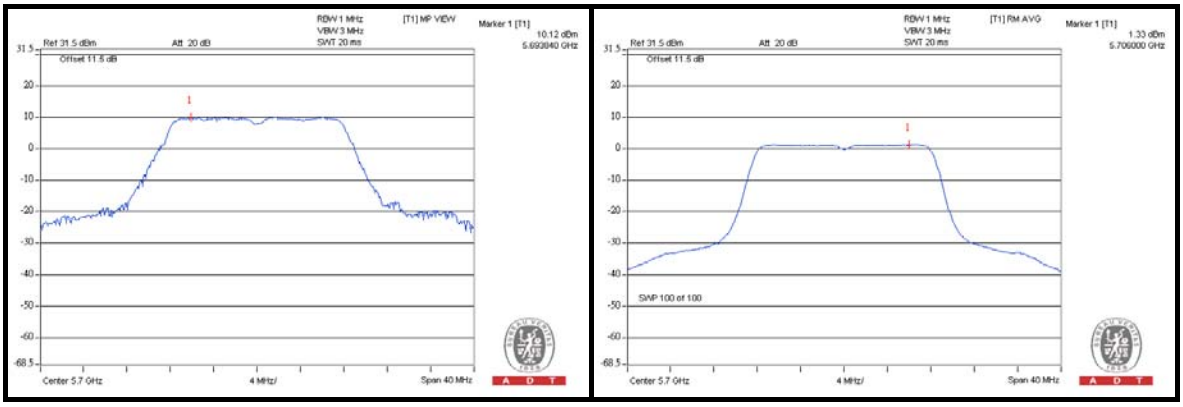
4.5.6 EUT OPERATING CONDITIONS

Same as 4.2.6

4.5.7 TEST RESULTS

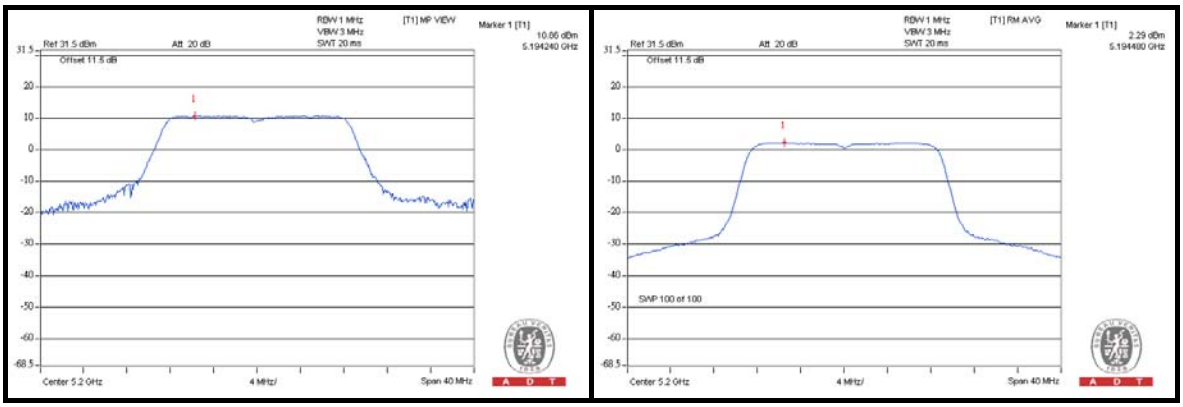
802.11a: 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
36	5180	11.45	2.84	8.61	13	PASS
44	5220	11.61	2.97	8.64	13	PASS
48	5240	11.19	2.84	8.35	13	PASS
52	5260	11.05	2.68	8.37	13	PASS
60	5300	10.95	2.67	8.28	13	PASS
64	5320	11.02	2.71	8.31	13	PASS
100	5500	9.91	1.31	8.60	13	PASS
116	5580	9.98	1.40	8.58	13	PASS
132	5660	10.14	1.70	8.44	13	PASS
140	5700	10.12	1.33	8.79	13	PASS



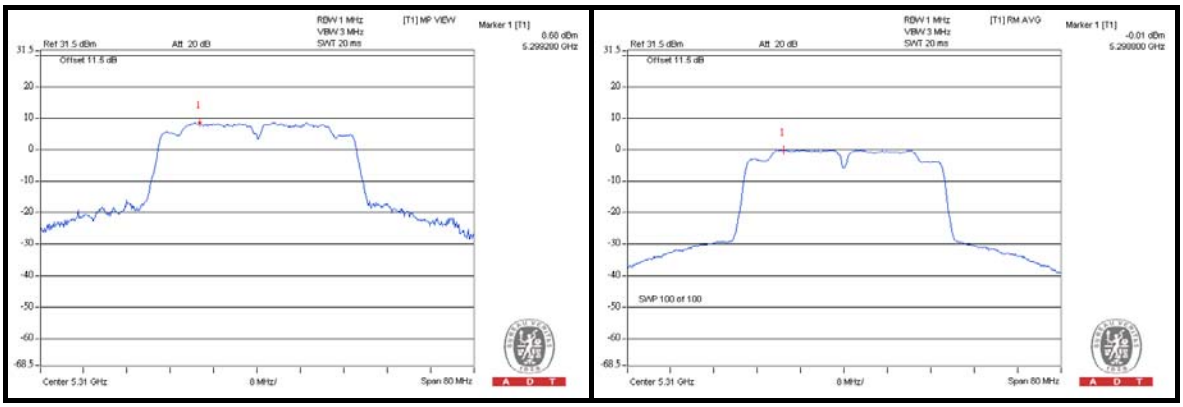
802.11n (20MHz): 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
36	5180	10.74	2.28	8.46	13	PASS
44	5220	10.86	2.29	8.57	13	PASS
48	5240	10.94	2.41	8.53	13	PASS
52	5260	10.73	2.26	8.47	13	PASS
60	5300	10.55	2.25	8.30	13	PASS
64	5320	10.43	2.03	8.40	13	PASS
100	5500	9.90	1.46	8.44	13	PASS
116	5580	9.91	1.49	8.42	13	PASS
132	5660	9.67	1.27	8.40	13	PASS
140	5700	9.68	1.18	8.50	13	PASS



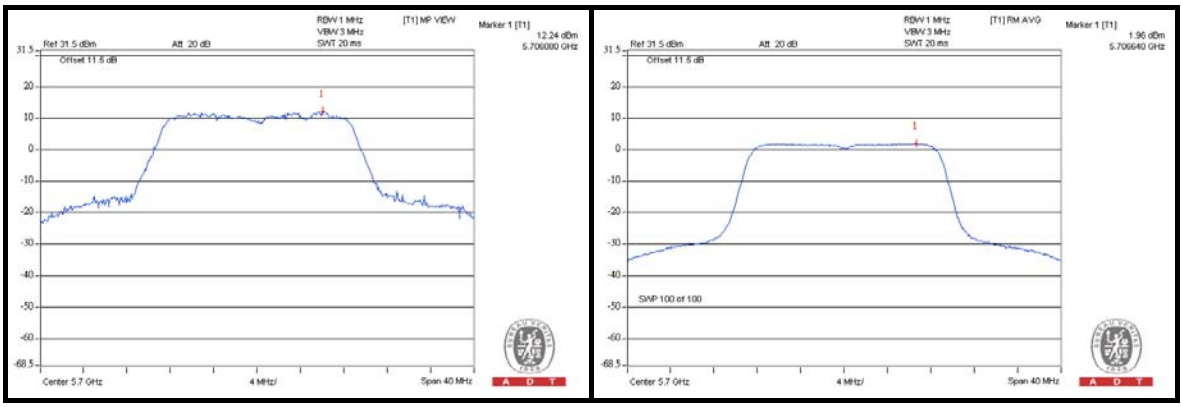
802.11n (40MHz): 1TX

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/FAIL
38	5190	8.05	-0.59	8.64	13	PASS
46	5230	8.39	-0.25	8.64	13	PASS
54	5270	8.63	-0.02	8.65	13	PASS
62	5310	8.68	-0.01	8.69	13	PASS
102	5510	7.43	-1.13	8.56	13	PASS
110	5550	7.50	-1.17	8.67	13	PASS
134	5670	7.53	-1.16	8.69	13	PASS



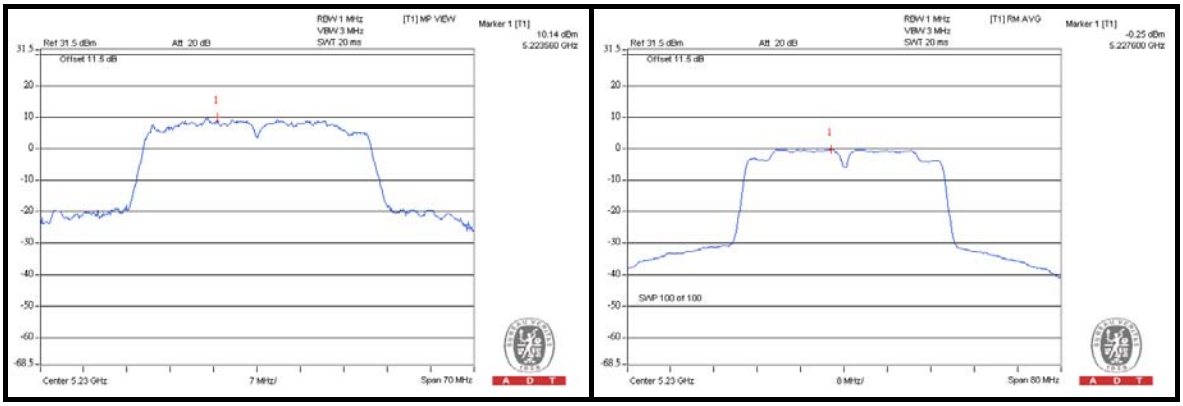
802.11n (20MHz): 2TX

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	10.31	10.50	0.76	0.86	9.55	9.64	13	PASS
44	5220	10.42	10.39	0.82	0.75	9.60	9.64	13	PASS
48	5240	10.18	10.37	0.57	0.65	9.61	9.72	13	PASS
52	5260	12.43	12.35	2.53	2.37	9.90	9.98	13	PASS
60	5300	12.47	12.23	2.46	2.26	10.01	9.97	13	PASS
64	5320	12.35	12.45	2.41	2.67	9.94	9.78	13	PASS
100	5500	11.76	12.38	2.15	2.24	9.61	10.14	13	PASS
116	5580	12.22	12.27	2.33	2.27	9.89	10.00	13	PASS
132	5660	11.16	11.62	1.32	1.36	9.84	10.26	13	PASS
140	5700	11.48	12.24	1.85	1.96	9.63	10.28	13	PASS



802.11n (40MHz): 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	9.28	10.04	-0.51	-0.29	9.79	10.33	13	PASS
46	5230	9.24	10.14	-0.68	-0.25	9.92	10.39	13	PASS
54	5270	9.19	10.02	-0.60	-0.15	9.79	10.17	13	PASS
62	5310	9.17	9.68	-0.87	-0.64	10.04	10.32	13	PASS
102	5510	7.89	8.85	-1.88	-1.40	9.77	10.25	13	PASS
110	5550	9.01	10.07	-0.59	-0.25	9.6	10.32	13	PASS
134	5670	9.35	9.31	-0.73	-0.63	10.08	9.94	13	PASS

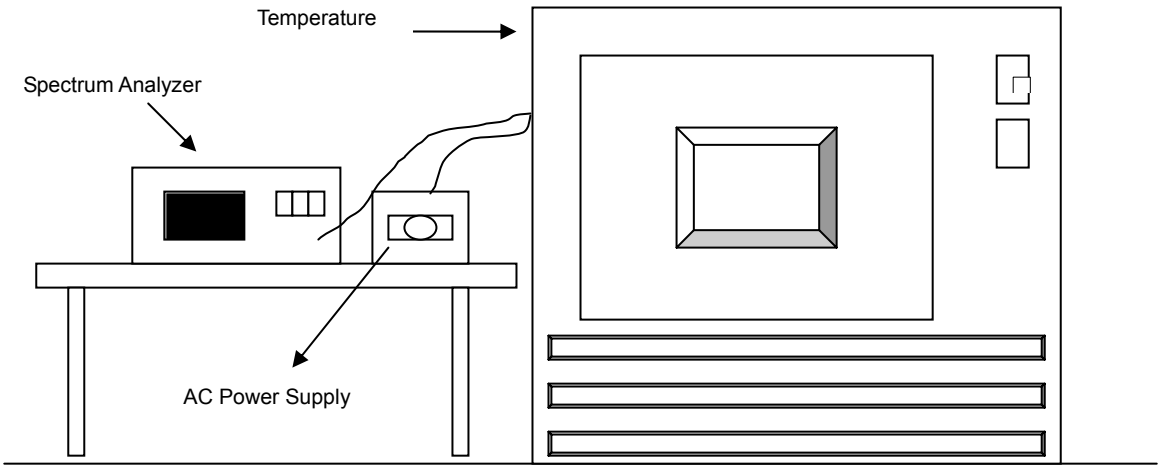


4.6 FREQUENCY STABILITY

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

Refer to section 4.1.3 to get information of above instrument.

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: 5320MHz									
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)
55	110.0	5320.087537	16.454	5320.087756	16.495	5320.088080	16.556	5320.088325	16.602
50	110.0	5320.088319	16.601	5320.088282	16.594	5320.088522	16.639	5320.088134	16.567
40	110.0	5320.090412	16.995	5320.090610	17.032	5320.090563	17.023	5320.090392	16.991
30	110.0	5320.091192	17.141	5320.091476	17.195	5320.091313	17.164	5320.091861	17.267
20	110.0	5320.093053	17.491	5320.093455	17.567	5320.093643	17.602	5320.092925	17.467
10	110.0	5320.091096	17.123	5320.091175	17.138	5320.091111	17.126	5320.090857	17.078
0	110.0	5320.090128	16.941	5320.089547	16.832	5320.089416	16.808	5320.089489	16.821
-10	110.0	5320.089896	16.898	5320.089937	16.905	5320.089524	16.828	5320.090261	16.966
-20	110.0	5320.088290	16.596	5320.087854	16.514	5320.088056	16.552	5320.088404	16.617
-30	110.0	5320.089663	16.854	5320.089444	16.813	5320.089513	16.826	5320.089504	16.824

FREQUEMCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
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	93.5	5320.091016	17.108	5320.091262	17.155	5320.091104	17.125	5320.091240	17.150
	110.0	5320.093053	17.491	5320.093455	17.567	5320.093643	17.602	5320.092925	17.467
	126.5	5320.091048	17.114	5320.091681	17.233	5320.091215	17.146	5320.091386	17.178

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

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

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---