



FCC TEST REPORT (15.407)

REPORT NO.: RF120720C10H

MODEL NO.: WS-AP3715e

FCC ID: QXO-AP3715E1

RECEIVED: Jun. 07, 2013

TESTED: Jun. 12 ~ Jun. 19, 2013

ISSUED: Jul. 11, 2013

APPLICANT: Enterasys Networks, Inc.

ADDRESS: 9 Northeastern Blvd. Salem, NH 03079

ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,
New Taipei City, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei
Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF120720C10H	Original release	Jul. 11, 2013



1. CERTIFICATION

PRODUCT: Wireless 802.11 abgn Router

MODEL: WS-AP3715e

BRAND: Enterasys

APPLICANT: Enterasys Networks, Inc.

TESTED: Jun. 12 ~ Jun. 19, 2013

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 15, Subpart E (Section 15.407)

ANSI C63.10-2009

The above equipment (model: WS-AP3715e) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Celine Chou , **DATE :** Jul. 11, 2013
Celine Chou / Specialist

APPROVED BY : Ken Liu , **DATE :** Jul. 11, 2013
Ken Liu / Senior Manager

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407)			
STANDARD SECTION	TEST TYPE	RESULT	REMARK
15.407(b)(6)	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -7.56dB at 0.18906MHz.
15.407(b/1/2/3) (b)(6)	Radiated Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 64.92, 5440.00, 5350.00, 5470.00, 5725.00MHz.
15.407(a/1/2)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(6)	Peak Power Excursion	PASS	Meet the requirement of limit.
15.407(a/1/2)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connectors are RSMA and N-Type. (The device is professionally installed)

2.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	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	Wireless 802.11 abgn Router
MODEL NO.	WS-AP3715e
POWER SUPPLY	5Vdc (host equipment)
MODULATION TYPE	64QAM, 16QAM, QPSK, BPSK
MODULATION TECHNOLOGY	OFDM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 450.0Mbps
OPERATING FREQUENCY	5260 ~ 5320MHz & 5500 ~ 5700MHz
NUMBER OF CHANNEL	5260 ~ 5320MHz: 4 for 802.11a, 802.11n (20MHz) 2 for 802.11n (40MHz) 5500 ~ 5700MHz: 8 for 802.11a, 802.11n (20MHz) 3 for 802.11n (40MHz)
OUTPUT POWER	Antenna 1: 183.507mW for 5260 ~ 5320MHz 175.114mW for 5500 ~ 5700MHz
	Antenna 2: 112.454mW for 5260 ~ 5320MHz 111.548mW for 5500 ~ 5700MHz
	Antenna 3: 108.329mW for 5260 ~ 5320MHz 111.548mW for 5500 ~ 5700MHz
	Antenna 4: 206.755mW for 5260 ~ 5320MHz 190.976mW for 5500 ~ 5700MHz
	Antenna 5: 119.971mW for 5260 ~ 5320MHz 113.040mW for 5500 ~ 5700MHz
ANTENNA TYPE	Refer to Note as below
ANTENNA CONNECTOR	Refer to Note as below
DATA CABLE	N/A
I/O PORTS	N/A
ACCESSORY DEVICES	N/A

NOTE:

1. This report is issued as a supplementary report to the original BV ADT report no.: RF120720C10G-1.
2. This report is prepared for FCC class II permissive change. Difference compared with the original report is adding 5260~5320MHz and 5500~5700MHz band. Therefore, the EUT was re-tested and presented in the test report.

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

MODULATION MODE	TX FUNCTION
802.11b	3TX
802.11g	3TX
802.11a	3TX
802.11n (20MHz)	3TX
802.11n (40MHz)	3TX

4. The following antenna type is provided to the EUT.

NO.	ANTENNA TYPE	ANTENNA CONNECTOR	ANTENNA GAIN (dBi)	
			2.4GHz BAND	5GHz BAND
1	Dipole	RSMA	3.0	3.0
2	Panel	RSMA	6.5	5.5
3	MIMO Applications Panel	N-Type	10.0	6.0
4	MIMO Applications OMNI	N-Type	2.0	2.0
5	MIMO Applications Sector	N-Type	5.0	5.0

*Antenna connectors are RSMA and N-Type. (The device is professionally installed)

*Antenna 2 gain is including 6dBi attenuator.

5. 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 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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	116	5580 MHz
104	5520 MHz	132	5660 MHz
108	5540 MHz	136	5680 MHz
112	5560 MHz	140	5700 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	134	5670 MHz
110	5550 MHz		

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE \geq 1G	RE<1G	PLC	APCM	
A	√	√	√	√	EUT with antenna 1
B	√	√	√	√	EUT with antenna 2
C	√	√	√	√	EUT with antenna 3
D	√	√	√	√	EUT with antenna 4
E	√	√	√	√	EUT with antenna 5

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

NOTE: The antenna had been pre-tested on the positioned of each 3 axis.
Mode A, B, C, E: The worst case was found when positioned on **Z-plane**.
Mode D: 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.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B, C, D, E	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6.0
A, B, C, D, E	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	7.2
A, B, C, D, E	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	15.0
A, B, C, D, E	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
A, B, C, D, E	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	7.2
A, B, C, D, E	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0

RADIATED EMISSION TEST (BELOW 1GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11a	5260-5700	52 to 140	52	OFDM	BPSK	6.0
B	802.11n(40MHz)	5260-5700	52 to 140	54	OFDM	BPSK	15.0
C	802.11n(40MHz)	5260-5700	52 to 140	110	OFDM	BPSK	15.0
D	802.11n(20MHz)	5260-5700	52 to 140	52	OFDM	BPSK	7.2
E	802.11n(20MHz)	5260-5700	52 to 140	52	OFDM	BPSK	7.2

POWER LINE CONDUCTED EMISSION TEST:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11a	5260-5700	52 to 140	52	OFDM	BPSK	6.0
B	802.11n(40MHz)	5260-5700	52 to 140	54	OFDM	BPSK	15.0
C	802.11n(40MHz)	5260-5700	52 to 140	110	OFDM	BPSK	15.0
D	802.11n(20MHz)	5260-5700	52 to 140	52	OFDM	BPSK	7.2
E	802.11n(20MHz)	5260-5700	52 to 140	52	OFDM	BPSK	7.2

ANTENNA PORT CONDUCTED MEASUREMENT:

- This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B, C, D, E	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6.0
A, B, C, D, E	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	7.2
A, B, C, D, E	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	15.0
A, B, C, D, E	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
A, B, C, D, E	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	7.2
A, B, C, D, E	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	25deg. C, 65%RH	120Vac, 60Hz	Chris Lin
RE<1G	25deg. C, 65%RH	120Vac, 60Hz	Chris Lin
PLC	25deg. C, 65%RH	120Vac, 60Hz	Chris Lin
APCM	25deg. C, 60%RH	120Vac, 60Hz	Frank Liu

3.3 DUTY CYCLE OF TEST SIGNAL

If duty cycle is < 98%, duty factor shall be considered.

TEST MODE A

802.11a: Duty cycle = 1.359/1.404 = 0.968, Duty factor = $10 \cdot \log(1/0.968) = 0.14$

802.11n (20MHz): Duty cycle = 1.269/1.316 = 0.964, Duty factor = $10 \cdot \log(1/0.964) = 0.16$

802.11n (40MHz): Duty cycle = 0.631/0.664 = 0.950, Duty factor = $10 \cdot \log(1/0.950) = 0.22$





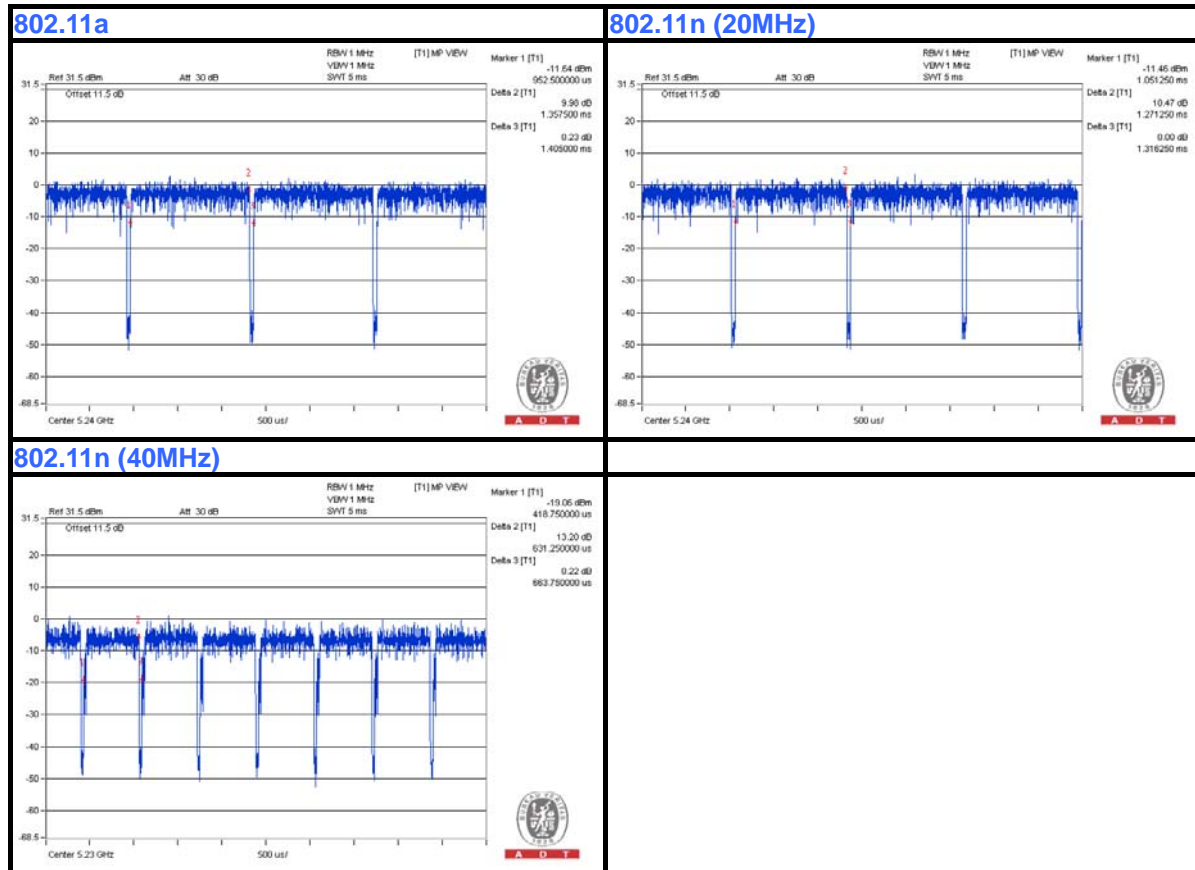
A D T

TEST MODE B

802.11a: Duty cycle = $1.357/1.405 = 0.966$, Duty factor = $10 * \log(1/0.966) = 0.15$

802.11n (20MHz): Duty cycle = $1.271/1.316 = 0.966$, Duty factor = $10 * \log(1/0.966) = 0.15$

802.11n (40MHz): Duty cycle = $0.631/0.664 = 0.950$, Duty factor = $10 * \log(1/0.950) = 0.22$





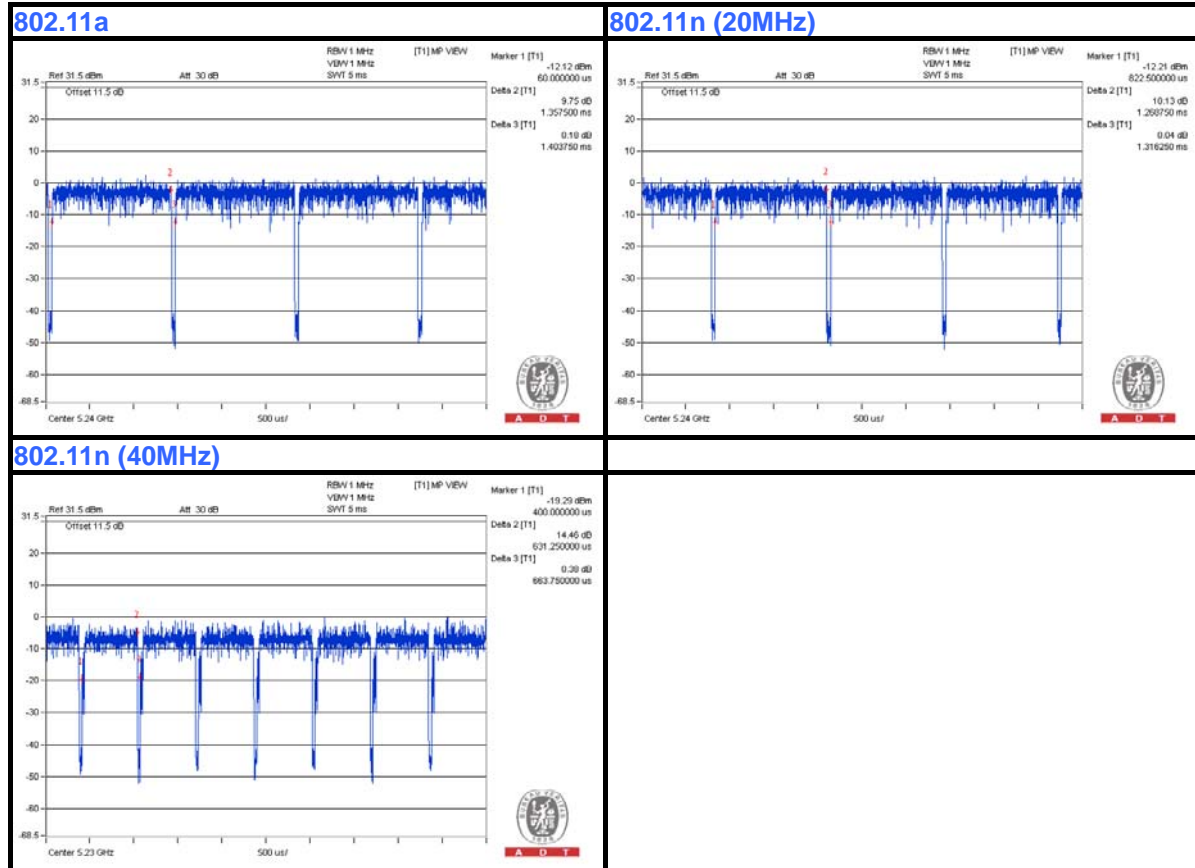
A D T

TEST MODE C

802.11a: Duty cycle = $1.375/1.404 = 0.967$, Duty factor = $10 * \log(1/0.967) = 0.15$

802.11n (20MHz): Duty cycle = $1.269/1.316 = 0.964$, Duty factor = $10 * \log(1/0.964) = 0.16$

802.11n (40MHz): Duty cycle = $0.631/0.664 = 0.950$, Duty factor = $10 * \log(1/0.950) = 0.22$





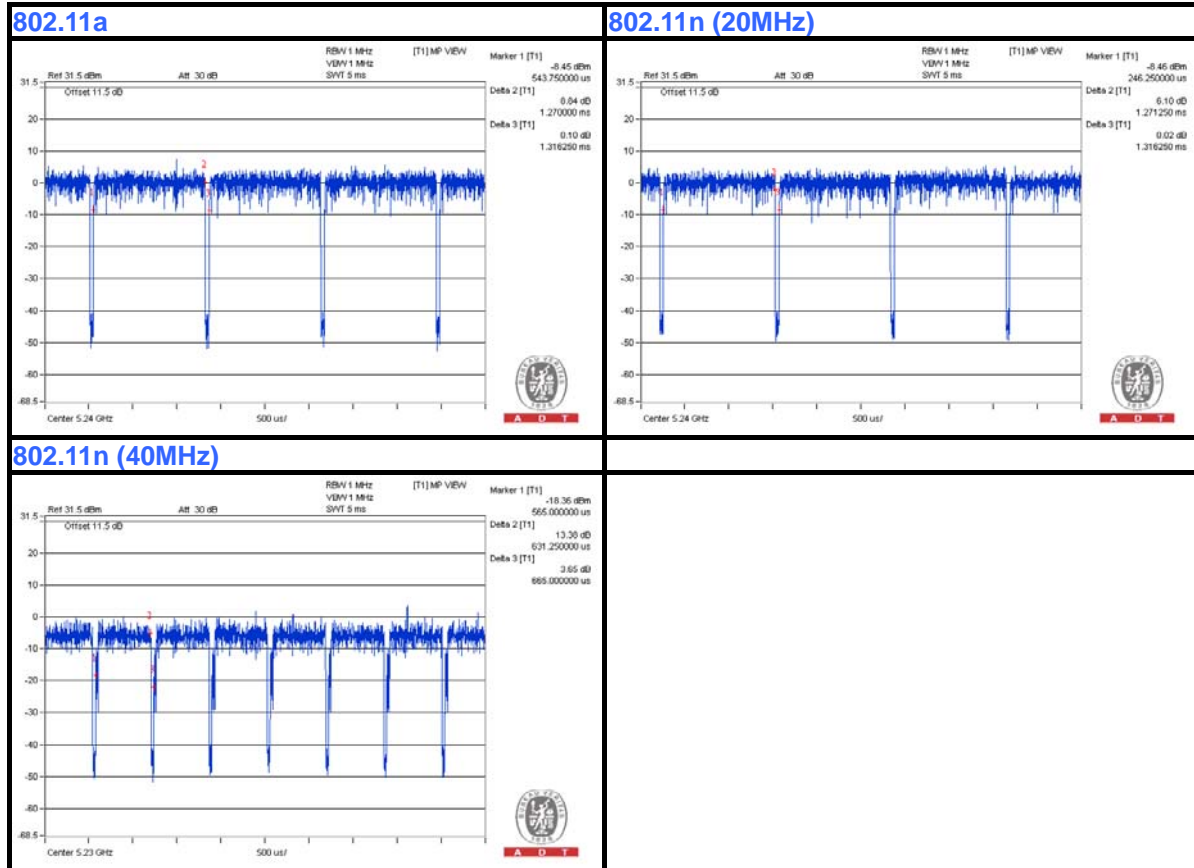
A D T

TEST MODE D

802.11a: Duty cycle = $1.270/1.316 = 0.965$, Duty factor = $10 * \log(1/0.965) = 0.15$

802.11n (20MHz): Duty cycle = $1.271/1.316 = 0.966$, Duty factor = $10 * \log(1/0.966) = 0.15$

802.11n (40MHz): Duty cycle = $0.631/0.665 = 0.949$, Duty factor = $10 * \log(1/0.949) = 0.23$

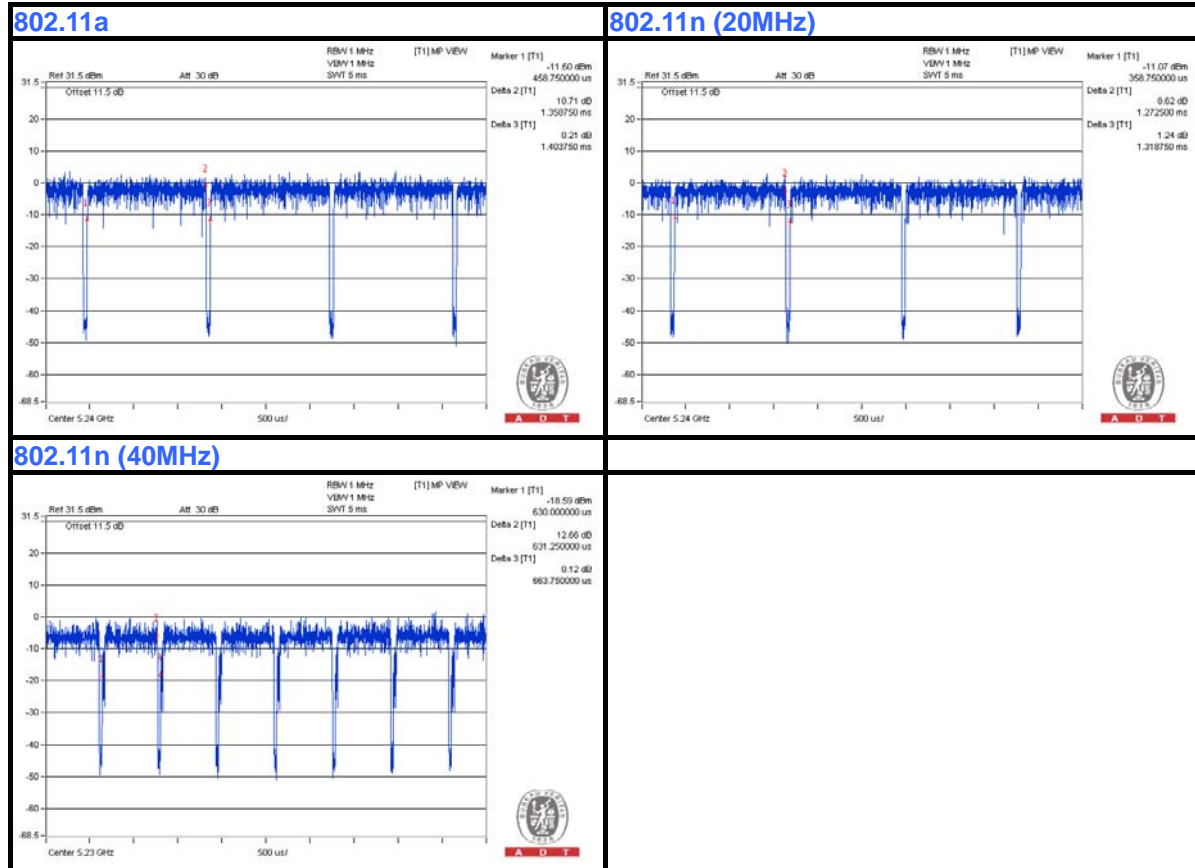


TEST MODE E

802.11a: Duty cycle = $1.359/1.404 = 0.968$, Duty factor = $10 * \log(1/0.968) = 0.14$

802.11n (20MHz): Duty cycle = $1.272/1.319 = 0.964$, Duty factor = $10 * \log(1/0.964) = 0.16$

802.11n (40MHz): Duty cycle = $0.631/0.664 = 0.950$, Duty factor = $10 * \log(1/0.950) = 0.22$



3.4 DESCRIPTION OF SUPPORT UNITS

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

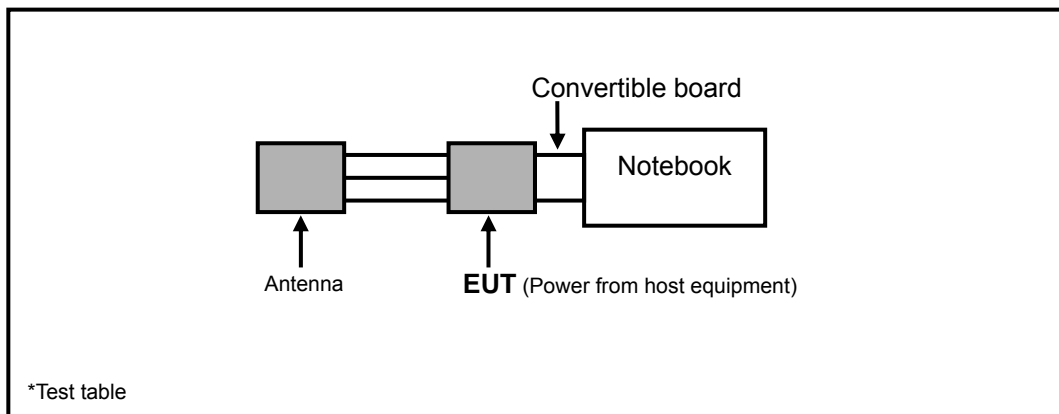
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK	DELL	E5420	33MLMQ1	FCC Doc Approved
2	CONVERTIBLE BOARD	NA	NA	NA	NA

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

NOTE:

1. All power cords of the above support units are non shielded (1.8m).
2. Item 2 was provided by client.

3.4.1 CONFIGURATION OF SYSTEM UNDER TEST



3.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart E (15.407)

789033 D01 General UNII Test Procedures v01 r02

662911 D01 Multiple Transmitter Output v01 r02

ANSI C63.10-2009

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

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

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

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

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

4.1.3 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Nov. 16, 2012	Nov. 15, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jan. 28, 2013	Jan. 27, 2014
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Mar. 22, 2013	Mar. 21, 2014
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-209	Sep. 03, 2012	Sep. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 11, 2012	Jul. 10, 2013
Preamplifier Agilent	8449B	3008A01911	Oct. 25, 2012	Oct. 24, 2013
Preamplifier Agilent	8447D	2944A10638	Oct. 25, 2012	Oct. 24, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	295013/4 283403/4	Aug. 28, 2012	Aug. 27, 2013
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 11, 2012	Aug. 10, 2013
Software BV ADT	ADT_Radiated_ V7.6.15.9.3	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower & Turn Table Controller EMCO	2090	NA	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 25, 2012	Oct. 24, 2013
Turn Table Controller ADT.	SC100.	SC93021704	NA	NA
High Speed Peak Power Meter	ML2495A	0824012	Aug. 22, 2012	Aug. 21, 2013
Power Sensor	MA2411B	0738171	Jul. 30, 2012	Jul. 29, 2013
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 13, 2013	Jun. 12, 2014

- NOTE:**
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HwaYa Chamber 9.
 3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
 4. The FCC Site Registration No. is 215374.
 5. The IC Site Registration No. is IC 7450F-9.

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 chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.

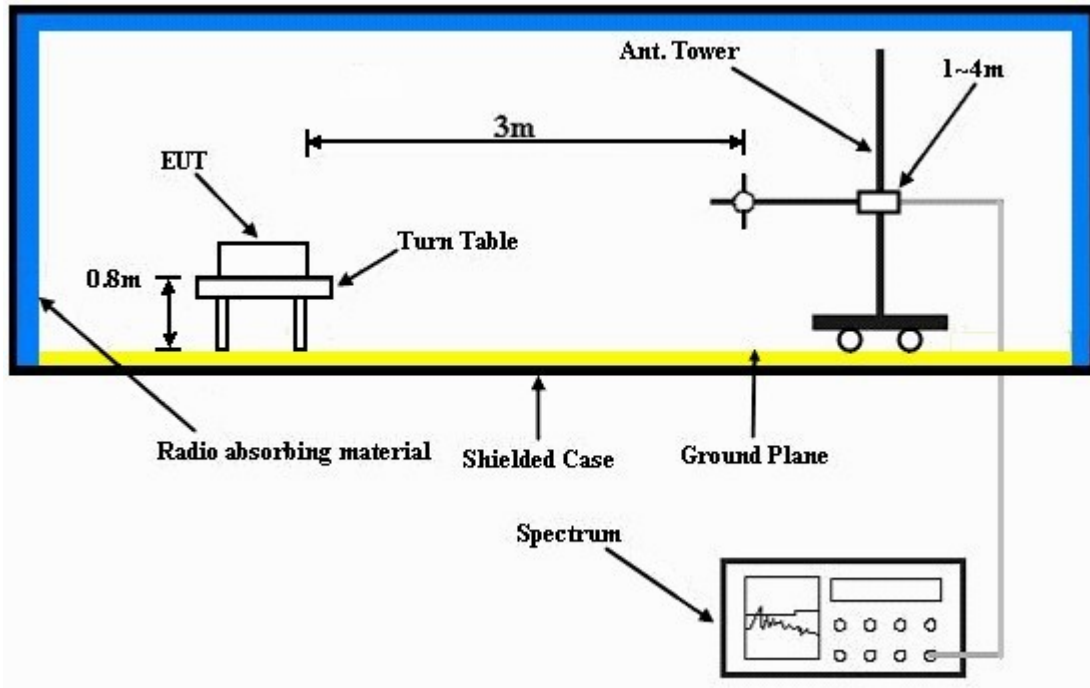
NOTE:

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

4.1.5 DEVIATION FROM TEST STANDARD

No deviation.

4.1.6 TEST SETUP



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

4.1.7 EUT OPERATING CONDITION

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

4.1.8 TEST RESULTS

ABOVE 1GHz DATA :

TEST MODE A

802.11a

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	1.10 H	30	15.40	43.80
2	5150.00	46.9 AV	54.0	-7.1	1.10 H	30	3.10	43.80
3	*5260.00	104.8 PK			1.00 H	16	60.80	44.00
4	*5260.00	95.2 AV			1.00 H	16	51.20	44.00
5	#10520.00	56.2 PK	74.0	-17.8	1.16 H	224	4.90	51.30
6	#10520.00	44.4 AV	54.0	-9.6	1.16 H	224	-6.90	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	60.8 PK	74.0	-13.2	1.17 V	20	17.00	43.80
2	5150.00	48.6 AV	54.0	-5.4	1.17 V	20	4.80	43.80
3	*5260.00	114.7 PK			1.00 V	10	70.70	44.00
4	*5260.00	104.5 AV			1.00 V	10	60.50	44.00
5	#10520.00	58.8 PK	74.0	-15.2	1.18 V	95	7.50	51.30
6	#10520.00	46.6 AV	54.0	-7.4	1.18 V	95	-4.70	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	105.0 PK			1.04 H	357	60.90	44.10
2	*5300.00	95.3 AV			1.04 H	357	51.20	44.10
3	10600.00	55.8 PK	74.0	-18.2	1.16 H	304	4.50	51.30
4	10600.00	45.9 AV	54.0	-8.1	1.16 H	304	-5.40	51.30
5	15900.00	58.7 PK	74.0	-15.3	1.18 H	54	5.30	53.40
6	15900.00	46.2 AV	54.0	-7.8	1.18 H	54	-7.20	53.40
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	*5300.00	114.1 PK			1.00 V	7	70.00	44.10
2	*5300.00	104.2 AV			1.00 V	7	60.10	44.10
3	10600.00	58.9 PK	74.0	-15.1	1.28 V	65	7.60	51.30
4	10600.00	46.4 AV	54.0	-7.6	1.28 V	65	-4.90	51.30
5	15900.00	60.6 PK	74.0	-13.4	1.03 V	47	7.20	53.40
6	15900.00	47.8 AV	54.0	-6.2	1.03 V	47	-5.60	53.40

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.



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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	105.2 PK			1.00 H	358	61.10	44.10
2	*5320.00	95.6 AV			1.00 H	358	51.50	44.10
3	5350.00	59.8 PK	74.0	-14.2	1.15 H	98	15.70	44.10
4	5350.00	47.5 AV	54.0	-6.5	1.15 H	98	3.40	44.10
5	10640.00	56.6 PK	74.0	-17.4	1.52 H	302	5.20	51.40
6	10640.00	44.3 AV	54.0	-9.7	1.52 H	302	-7.10	51.40
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	*5320.00	114.0 PK			1.70 V	100	69.90	44.10
2	*5320.00	104.1 AV			1.70 V	100	60.00	44.10
3	5350.00	72.8 PK	74.0	-1.2	1.68 V	101	28.70	44.10
4	5350.00	52.6 AV	54.0	-1.4	1.68 V	101	8.50	44.10
5	10640.00	58.3 PK	74.0	-15.7	1.15 V	98	6.90	51.40
6	10640.00	46.8 AV	54.0	-7.2	1.15 V	98	-4.60	51.40

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.7 PK	74.0	-15.3	1.60 H	60	14.40	44.30
2	5460.00	46.3 AV	54.0	-7.7	1.60 H	60	2.00	44.30
3	#5470.00	59.2 PK	74.0	-14.8	1.60 H	60	14.90	44.30
4	#5470.00	47.4 AV	54.0	-6.6	1.60 H	60	3.10	44.30
5	*5500.00	101.2 PK			1.59 H	50	56.80	44.40
6	*5500.00	91.8 AV			1.59 H	50	47.40	44.40
7	11000.00	56.6 PK	74.0	-17.4	1.23 H	205	4.70	51.90
8	11000.00	46.2 AV	54.0	-7.8	1.23 H	205	-5.70	51.90
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	5460.00	63.4 PK	74.0	-10.6	1.02 V	114	19.10	44.30
2	5460.00	47.6 AV	54.0	-6.4	1.02 V	114	3.30	44.30
3	#5470.00	72.5 PK	74.0	-1.5	1.02 V	114	28.20	44.30
4	#5470.00	51.5 AV	54.0	-2.5	1.02 V	114	7.20	44.30
5	*5500.00	114.8 PK			1.00 V	93	70.40	44.40
6	*5500.00	104.5 AV			1.00 V	93	60.10	44.40
7	11000.00	59.5 PK	74.0	-14.5	1.03 V	54	7.60	51.90
8	11000.00	47.3 AV	54.0	-6.7	1.03 V	54	-4.60	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	106.2 PK			1.00 H	128	61.80	44.40
2	*5580.00	95.6 AV			1.00 H	128	51.20	44.40
3	11160.00	56.8 PK	74.0	-17.2	1.03 H	74	4.70	52.10
4	11160.00	45.4 AV	54.0	-8.6	1.03 H	74	-6.70	52.10
5	#16740.00	61.1 PK	74.0	-12.9	1.15 H	69	5.20	55.90
6	#16740.00	51.0 AV	54.0	-3.0	1.15 H	69	-4.90	55.90
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	*5580.00	117.8 PK			1.00 V	92	73.40	44.40
2	*5580.00	107.6 AV			1.00 V	92	63.20	44.40
3	11160.00	59.9 PK	74.0	-14.1	1.03 V	85	7.80	52.10
4	11160.00	47.5 AV	54.0	-6.5	1.03 V	85	-4.60	52.10
5	#16740.00	64.9 PK	74.0	-9.1	1.08 V	65	9.00	55.90
6	#16740.00	51.1 AV	54.0	-2.9	1.08 V	65	-4.80	55.90

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
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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	101.7 PK			1.18 H	126	57.10	44.60
2	*5700.00	91.6 AV			1.18 H	126	47.00	44.60
3	#5725.00	60.3 PK	74.0	-13.7	1.20 H	130	15.70	44.60
4	#5725.00	46.5 AV	54.0	-7.5	1.20 H	130	1.90	44.60
5	11400.00	56.8 PK	74.0	-17.2	1.16 H	205	4.40	52.40
6	11400.00	45.6 AV	54.0	-8.4	1.16 H	205	-6.80	52.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	110.6 PK			1.00 V	233	66.00	44.60
2	*5700.00	101.3 AV			1.00 V	233	56.70	44.60
3	#5725.00	73.0 PK	74.0	-1.0	1.00 V	51	28.40	44.60
4	#5725.00	51.5 AV	54.0	-2.5	1.00 V	51	6.90	44.60
5	11400.00	60.0 PK	74.0	-14.0	1.20 V	65	7.60	52.40
6	11400.00	47.8 AV	54.0	-6.2	1.20 V	65	-4.60	52.40

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.



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802.11n (20MHz)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	1.10 H	340	15.50	43.80
2	5150.00	46.0 AV	54.0	-8.0	1.10 H	340	2.20	43.80
3	*5260.00	105.1 PK			1.00 H	358	61.10	44.00
4	*5260.00	95.2 AV			1.00 H	358	51.20	44.00
5	#10520.00	56.4 PK	74.0	-17.6	1.16 H	57	5.10	51.30
6	#10520.00	44.1 AV	54.0	-9.9	1.16 H	57	-7.20	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.4 PK	74.0	-12.6	1.20 V	20	17.60	43.80
2	5150.00	48.5 AV	54.0	-5.5	1.20 V	20	4.70	43.80
3	*5260.00	114.0 PK			1.00 V	8	70.00	44.00
4	*5260.00	103.5 AV			1.00 V	8	59.50	44.00
5	#10520.00	58.7 PK	74.0	-15.3	1.29 V	64	7.40	51.30
6	#10520.00	46.6 AV	54.0	-7.4	1.29 V	64	-4.70	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	105.3 PK			1.00 H	357	61.20	44.10
2	*5300.00	95.4 AV			1.00 H	357	51.30	44.10
3	10600.00	55.9 PK	74.0	-18.1	1.03 H	74	4.60	51.30
4	10600.00	44.7 AV	54.0	-9.3	1.03 H	74	-6.60	51.30
5	15900.00	58.3 PK	74.0	-15.7	1.10 H	85	4.90	53.40
6	15900.00	47.2 AV	54.0	-6.8	1.10 H	85	-6.20	53.40
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	*5300.00	114.5 PK			1.48 V	8	70.40	44.10
2	*5300.00	103.8 AV			1.48 V	8	59.70	44.10
3	10600.00	58.1 PK	74.0	-15.9	1.54 V	302	6.80	51.30
4	10600.00	46.5 AV	54.0	-7.5	1.54 V	302	-4.80	51.30
5	15900.00	61.7 PK	74.0	-12.3	1.35 V	87	8.30	53.40
6	15900.00	49.2 AV	54.0	-4.8	1.35 V	87	-4.20	53.40

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	103.4 PK			1.00 H	17	59.30	44.10
2	*5320.00	93.5 AV			1.00 H	17	49.40	44.10
3	5350.00	59.4 PK	74.0	-14.6	1.10 H	30	15.30	44.10
4	5350.00	47.3 AV	54.0	-6.7	1.10 H	30	3.20	44.10
5	10640.00	55.7 PK	74.0	-18.3	1.13 H	74	4.30	51.40
6	10640.00	45.5 AV	54.0	-8.5	1.13 H	74	-5.90	51.40
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	*5320.00	114.7 PK			1.70 V	97	70.60	44.10
2	*5320.00	105.2 AV			1.70 V	97	61.10	44.10
3	5350.00	72.9 PK	74.0	-1.1	1.02 V	77	28.80	44.10
4	5350.00	52.4 AV	54.0	-1.6	1.02 V	77	8.30	44.10
5	10640.00	58.9 PK	74.0	-15.1	1.12 V	302	7.50	51.40
6	10640.00	46.6 AV	54.0	-7.4	1.12 V	302	-4.80	51.40

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	1.10 H	60	16.40	44.30
2	5460.00	46.3 AV	54.0	-7.7	1.10 H	60	2.00	44.30
3	#5470.00	60.9 PK	74.0	-13.1	1.10 H	52	16.60	44.30
4	#5470.00	47.1 AV	54.0	-6.9	1.10 H	52	2.80	44.30
5	*5500.00	100.5 PK			1.00 H	52	56.10	44.40
6	*5500.00	90.9 AV			1.00 H	52	46.50	44.40
7	11000.00	56.6 PK	74.0	-17.4	1.28 H	65	4.70	51.90
8	11000.00	45.6 AV	54.0	-8.4	1.28 H	65	-6.30	51.90
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	5460.00	63.7 PK	74.0	-10.3	1.52 V	91	19.40	44.30
2	5460.00	48.1 AV	54.0	-5.9	1.52 V	91	3.80	44.30
3	#5470.00	73.0 PK	74.0	-1.0	1.50 V	91	28.70	44.30
4	#5470.00	52.4 AV	54.0	-1.6	1.50 V	91	8.10	44.30
5	*5500.00	113.5 PK			1.00 V	88	69.10	44.40
6	*5500.00	103.3 AV			1.00 V	88	58.90	44.40
7	11000.00	59.7 PK	74.0	-14.3	1.15 V	96	7.80	51.90
8	11000.00	47.2 AV	54.0	-6.8	1.15 V	96	-4.70	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	105.6 PK			1.00 H	128	61.20	44.40
2	*5580.00	95.9 AV			1.00 H	128	51.50	44.40
3	11160.00	56.5 PK	74.0	-17.5	1.02 H	74	4.40	52.10
4	11160.00	45.2 AV	54.0	-8.8	1.02 H	74	-6.90	52.10
5	#16740.00	60.6 PK	74.0	-13.4	1.45 H	96	4.70	55.90
6	#16740.00	49.7 AV	54.0	-4.3	1.45 H	96	-6.20	55.90
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	*5580.00	116.6 PK			1.00 V	90	72.20	44.40
2	*5580.00	106.8 AV			1.00 V	90	62.40	44.40
3	11160.00	59.9 PK	74.0	-14.1	1.48 V	65	7.80	52.10
4	11160.00	47.8 AV	54.0	-6.2	1.48 V	65	-4.30	52.10
5	#16740.00	63.3 PK	74.0	-10.7	1.08 V	47	7.40	55.90
6	#16740.00	51.2 AV	54.0	-2.8	1.08 V	47	-4.70	55.90

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
5. “ * “: Fundamental frequency.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	99.1 PK			1.00 H	124	54.50	44.60
2	*5700.00	89.5 AV			1.00 H	124	44.90	44.60
3	#5725.00	60.2 PK	74.0	-13.8	1.10 H	134	15.60	44.60
4	#5725.00	46.4 AV	54.0	-7.6	1.10 H	134	1.80	44.60
5	11400.00	57.1 PK	74.0	-16.9	1.42 H	95	4.70	52.40
6	11400.00	45.5 AV	54.0	-8.5	1.42 H	95	-6.90	52.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	110.5 PK			1.00 V	172	65.90	44.60
2	*5700.00	100.0 AV			1.00 V	172	55.40	44.60
3	#5725.00	72.2 PK	74.0	-1.8	1.45 V	324	27.60	44.60
4	#5725.00	52.3 AV	54.0	-1.7	1.45 V	324	7.70	44.60
5	11400.00	60.1 PK	74.0	-13.9	1.24 V	85	7.70	52.40
6	11400.00	47.6 AV	54.0	-6.4	1.24 V	85	-4.80	52.40

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 (40MHz)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	1.10 H	20	15.50	43.80
2	5150.00	45.9 AV	54.0	-8.1	1.10 H	20	2.10	43.80
3	*5270.00	99.1 PK			1.00 H	15	55.10	44.00
4	*5270.00	89.5 AV			1.00 H	15	45.50	44.00
5	#10540.00	55.4 PK	74.0	-18.6	1.23 H	74	4.10	51.30
6	#10540.00	44.5 AV	54.0	-9.5	1.23 H	74	-6.80	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.5 PK	74.0	-12.5	1.30 V	60	17.70	43.80
2	5150.00	48.6 AV	54.0	-5.4	1.30 V	60	4.80	43.80
3	*5270.00	108.8 PK			1.20 V	51	64.80	44.00
4	*5270.00	98.9 AV			1.20 V	51	54.90	44.00
5	#10540.00	58.8 PK	74.0	-15.2	1.30 V	25	7.50	51.30
6	#10540.00	46.6 AV	54.0	-7.4	1.30 V	25	-4.70	51.30

REMARKS:

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



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	96.6 PK			1.01 H	0	52.50	44.10
2	*5310.00	87.3 AV			1.01 H	0	43.20	44.10
3	5350.00	59.5 PK	74.0	-14.5	1.20 H	10	15.40	44.10
4	5350.00	46.2 AV	54.0	-7.8	1.20 H	10	2.10	44.10
5	10620.00	55.6 PK	74.0	-18.4	1.14 H	98	4.20	51.40
6	10620.00	44.5 AV	54.0	-9.5	1.14 H	98	-6.90	51.40
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	*5310.00	104.9 PK			1.22 V	360	60.80	44.10
2	*5310.00	94.8 AV			1.22 V	360	50.70	44.10
3	5350.00	72.9 PK	74.0	-1.1	1.76 V	72	28.80	44.10
4	5350.00	52.2 AV	54.0	-1.8	1.76 V	72	8.10	44.10
5	10620.00	58.9 PK	74.0	-15.1	1.12 V	74	7.50	51.40
6	10620.00	46.5 AV	54.0	-7.5	1.12 V	74	-4.90	51.40

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.9 PK	74.0	-14.1	1.20 H	98	15.60	44.30
2	5460.00	46.8 AV	54.0	-7.2	1.20 H	98	2.50	44.30
3	#5470.00	59.7 PK	74.0	-14.3	1.10 H	60	15.40	44.30
4	#5470.00	47.1 AV	54.0	-6.9	1.10 H	60	2.80	44.30
5	*5510.00	95.1 PK			1.00 H	51	50.70	44.40
6	*5510.00	85.3 AV			1.00 H	51	40.90	44.40
7	11020.00	56.7 PK	74.0	-17.3	1.10 H	96	4.80	51.90
8	11020.00	45.2 AV	54.0	-8.8	1.10 H	96	-6.70	51.90
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	5460.00	62.9 PK	74.0	-11.1	1.01 V	83	18.60	44.30
2	5460.00	47.9 AV	54.0	-6.1	1.01 V	83	3.60	44.30
3	#5470.00	73.0 PK	74.0	-1.0	1.01 V	83	28.70	44.30
4	#5470.00	51.8 AV	54.0	-2.2	1.01 V	83	7.50	44.30
5	*5510.00	107.4 PK			1.00 V	93	63.00	44.40
6	*5510.00	98.0 AV			1.00 V	93	53.60	44.40
7	11020.00	59.6 PK	74.0	-14.4	1.42 V	96	7.70	51.90
8	11020.00	47.2 AV	54.0	-6.8	1.42 V	96	-4.70	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	101.2 PK			1.00 H	53	56.80	44.40
2	*5550.00	90.9 AV			1.00 H	53	46.50	44.40
3	11100.00	55.7 PK	74.0	-18.3	1.12 H	330	3.80	51.90
4	11100.00	44.8 AV	54.0	-9.2	1.12 H	330	-7.10	51.90
5	11650.00	56.0 PK	74.0	-18.0	1.03 H	221	3.00	53.00
6	11650.00	46.1 AV	54.0	-7.9	1.03 H	221	-6.90	53.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	112.6 PK			1.00 V	92	68.20	44.40
2	*5550.00	103.0 AV			1.00 V	92	58.60	44.40
3	11100.00	59.7 PK	74.0	-14.3	1.17 V	206	7.80	51.90
4	11100.00	47.6 AV	54.0	-6.4	1.17 V	206	-4.30	51.90
5	#16650.00	62.6 PK	74.0	-11.4	1.02 V	84	7.40	55.20
6	#16650.00	50.6 AV	54.0	-3.4	1.02 V	84	-4.60	55.20

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	95.9 PK			1.00 H	55	51.40	44.50
2	*5670.00	86.9 AV			1.00 H	55	42.40	44.50
3	#5725.00	59.1 PK	74.0	-14.9	1.10 H	90	14.50	44.60
4	#5725.00	46.6 AV	54.0	-7.4	1.10 H	90	2.00	44.60
5	11340.00	55.9 PK	74.0	-18.1	1.05 H	96	3.50	52.40
6	11340.00	45.7 AV	54.0	-8.3	1.05 H	96	-6.70	52.40
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	108.7 PK			1.00 V	216	64.20	44.50
2	*5670.00	99.1 AV			1.00 V	216	54.60	44.50
3	#5725.00	68.0 PK	74.0	-6.0	1.00 V	219	23.40	44.60
4	#5725.00	49.5 AV	54.0	-4.5	1.00 V	219	4.90	44.60
5	11340.00	59.2 PK	74.0	-14.8	1.12 V	96	6.80	52.40
6	11340.00	48.0 AV	54.0	-6.0	1.12 V	96	-4.40	52.40

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.

TEST MODE B

802.11a

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.3 PK	74.0	-15.7	1.10 H	20	15.60	42.70
2	5150.00	44.7 AV	54.0	-9.3	1.10 H	20	2.00	42.70
3	*5260.00	109.0 PK			1.04 H	14	66.10	42.90
4	*5260.00	98.5 AV			1.04 H	14	55.60	42.90
5	#10520.00	57.6 PK	74.0	-16.4	1.18 H	98	5.00	52.60
6	#10520.00	45.6 AV	54.0	-8.4	1.18 H	98	-7.00	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	5150.00	59.8 PK	74.0	-14.2	1.10 V	350	17.10	42.70
2	5150.00	47.4 AV	54.0	-6.6	1.10 V	350	4.70	42.70
3	*5260.00	113.5 PK			1.00 V	14	70.60	42.90
4	*5260.00	104.5 AV			1.00 V	14	61.60	42.90
5	#10520.00	60.0 PK	74.0	-14.0	1.18 V	65	7.40	52.60
6	#10520.00	48.1 AV	54.0	-5.9	1.18 V	65	-4.50	52.60

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	109.3 PK			1.03 H	11	66.30	43.00
2	*5300.00	99.2 AV			1.03 H	11	56.20	43.00
3	10600.00	57.2 PK	74.0	-16.8	1.15 H	63	4.60	52.60
4	10600.00	45.3 AV	54.0	-8.7	1.15 H	63	-7.30	52.60
5	15900.00	57.3 PK	74.0	-16.7	1.15 H	87	4.80	52.50
6	15900.00	45.3 AV	54.0	-8.7	1.15 H	87	-7.20	52.50
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	*5300.00	113.9 PK			1.46 V	19	70.90	43.00
2	*5300.00	103.9 AV			1.46 V	19	60.90	43.00
3	10600.00	60.2 PK	74.0	-13.8	1.18 V	65	7.60	52.60
4	10600.00	48.1 AV	54.0	-5.9	1.18 V	65	-4.50	52.60
5	15900.00	59.6 PK	74.0	-14.4	1.25 V	74	7.10	52.50
6	15900.00	46.9 AV	54.0	-7.1	1.25 V	74	-5.60	52.50

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	109.9 PK			1.03 H	11	66.90	43.00
2	*5320.00	99.6 AV			1.03 H	11	56.60	43.00
3	5350.00	62.0 PK	74.0	-12.0	1.10 H	20	19.00	43.00
4	5350.00	47.8 AV	54.0	-6.2	1.10 H	20	4.80	43.00
5	10640.00	57.6 PK	74.0	-16.4	1.19 H	63	4.90	52.70
6	10640.00	46.1 AV	54.0	-7.9	1.19 H	63	-6.60	52.70
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	*5320.00	113.5 PK			1.33 V	13	70.50	43.00
2	*5320.00	104.0 AV			1.33 V	13	61.00	43.00
3	5350.00	68.9 PK	74.0	-5.1	1.36 V	17	25.90	43.00
4	5350.00	50.0 AV	54.0	-4.0	1.36 V	17	7.00	43.00
5	10640.00	60.3 PK	74.0	-13.7	1.16 V	44	7.60	52.70
6	10640.00	48.3 AV	54.0	-5.7	1.16 V	44	-4.40	52.70

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.4 PK	74.0	-11.6	1.00 H	12	19.20	43.20
2	5460.00	46.4 AV	54.0	-7.6	1.00 H	12	3.20	43.20
3	#5470.00	68.0 PK	74.0	-6.0	1.00 H	12	24.80	43.20
4	#5470.00	49.4 AV	54.0	-4.6	1.00 H	12	6.20	43.20
5	*5500.00	111.2 PK			1.00 H	8	67.90	43.30
6	*5500.00	100.7 AV			1.00 H	8	57.40	43.30
7	11000.00	58.0 PK	74.0	-16.0	1.13 H	208	4.70	53.30
8	11000.00	46.8 AV	54.0	-7.2	1.13 H	208	-6.50	53.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.2 PK	74.0	-8.8	1.53 V	15	22.00	43.20
2	5460.00	47.5 AV	54.0	-6.5	1.53 V	15	4.30	43.20
3	#5470.00	73.0 PK	74.0	-1.0	1.53 V	15	29.80	43.20
4	#5470.00	52.6 AV	54.0	-1.4	1.53 V	15	9.40	43.20
5	*5500.00	115.0 PK			1.04 V	12	71.70	43.30
6	*5500.00	105.3 AV			1.04 V	12	62.00	43.30
7	11000.00	62.0 PK	74.0	-12.0	1.12 V	305	8.70	53.30
8	11000.00	50.1 AV	54.0	-3.9	1.12 V	305	-3.20	53.30

REMARKS:

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



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	111.7 PK			1.00 H	16	68.30	43.40
2	*5580.00	100.8 AV			1.00 H	16	57.40	43.40
3	11160.00	58.0 PK	74.0	-16.0	1.30 H	52	4.60	53.40
4	11160.00	46.1 AV	54.0	-7.9	1.30 H	52	-7.30	53.40
5	#16740.00	60.6 PK	74.0	-13.4	1.35 H	87	4.80	55.80
6	#16740.00	50.1 AV	54.0	-3.9	1.35 H	87	-5.70	55.80
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	*5580.00	113.6 PK			1.31 V	17	70.20	43.40
2	*5580.00	104.2 AV			1.31 V	17	60.80	43.40
3	11160.00	62.2 PK	74.0	-11.8	1.28 V	50	8.80	53.40
4	11160.00	49.7 AV	54.0	-4.3	1.28 V	50	-3.70	53.40
5	#16740.00	63.1 PK	74.0	-10.9	1.17 V	41	7.30	55.80
6	#16740.00	51.6 AV	54.0	-2.4	1.17 V	41	-4.20	55.80

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 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	108.5 PK			1.17 H	8	64.90	43.60
2	*5700.00	98.7 AV			1.17 H	8	55.10	43.60
3	#5725.00	60.8 PK	74.0	-13.2	1.20 H	10	17.10	43.70
4	#5725.00	47.0 AV	54.0	-7.0	1.20 H	10	3.30	43.70
5	11400.00	58.0 PK	74.0	-16.0	1.27 H	46	4.60	53.40
6	11400.00	47.1 AV	54.0	-6.9	1.27 H	46	-6.30	53.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	111.4 PK			1.43 V	20	67.80	43.60
2	*5700.00	101.4 AV			1.43 V	20	57.80	43.60
3	#5725.00	61.1 PK	74.0	-12.9	1.20 V	58	17.40	43.70
4	#5725.00	49.0 AV	54.0	-5.0	1.20 V	58	5.30	43.70
5	11400.00	61.1 PK	74.0	-12.9	1.25 V	74	7.70	53.40
6	11400.00	49.0 AV	54.0	-5.0	1.25 V	74	-4.40	53.40

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)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.10 H	24	16.70	42.70
2	5150.00	46.2 AV	54.0	-7.8	1.10 H	24	3.50	42.70
3	*5260.00	108.9 PK			1.05 H	14	66.00	42.90
4	*5260.00	98.9 AV			1.05 H	14	56.00	42.90
5	#10520.00	57.8 PK	74.0	-16.2	1.17 H	85	5.20	52.60
6	#10520.00	45.7 AV	54.0	-8.3	1.17 H	85	-6.90	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	5150.00	62.5 PK	74.0	-11.5	1.10 V	20	19.80	42.70
2	5150.00	48.0 AV	54.0	-6.0	1.10 V	20	5.30	42.70
3	*5260.00	113.1 PK			1.07 V	13	70.20	42.90
4	*5260.00	103.0 AV			1.07 V	13	60.10	42.90
5	#10520.00	60.0 PK	74.0	-14.0	1.23 V	201	7.40	52.60
6	#10520.00	48.1 AV	54.0	-5.9	1.23 V	201	-4.50	52.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out 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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	109.1 PK			1.06 H	13	66.10	43.00
2	*5300.00	99.2 AV			1.06 H	13	56.20	43.00
3	10600.00	56.1 PK	74.0	-17.9	1.20 H	333	3.50	52.60
4	10600.00	46.3 AV	54.0	-7.7	1.20 H	333	-6.30	52.60
5	15900.00	56.6 PK	74.0	-17.4	1.30 H	224	4.10	52.50
6	15900.00	45.9 AV	54.0	-8.1	1.30 H	224	-6.60	52.50
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	*5300.00	113.0 PK			1.00 V	8	70.00	43.00
2	*5300.00	103.0 AV			1.00 V	8	60.00	43.00
3	10600.00	60.3 PK	74.0	-13.7	1.17 V	95	7.70	52.60
4	10600.00	48.1 AV	54.0	-5.9	1.17 V	95	-4.50	52.60
5	15900.00	59.6 PK	74.0	-14.4	1.08 V	302	7.10	52.50
6	15900.00	46.8 AV	54.0	-7.2	1.08 V	302	-5.70	52.50

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	109.7 PK			1.03 H	10	66.70	43.00
2	*5320.00	99.4 AV			1.03 H	10	56.40	43.00
3	5350.00	65.4 PK	74.0	-8.6	1.10 H	20	22.40	43.00
4	5350.00	47.6 AV	54.0	-6.4	1.10 H	20	4.60	43.00
5	10640.00	58.0 PK	74.0	-16.0	1.10 H	222	5.30	52.70
6	10640.00	46.8 AV	54.0	-7.2	1.10 H	222	-5.90	52.70
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	*5320.00	113.2 PK			1.05 V	14	70.20	43.00
2	*5320.00	103.5 AV			1.05 V	14	60.50	43.00
3	5350.00	67.3 PK	74.0	-6.7	1.56 V	15	24.30	43.00
4	5350.00	50.1 AV	54.0	-3.9	1.56 V	15	7.10	43.00
5	10640.00	61.3 PK	74.0	-12.7	1.29 V	87	8.60	52.70
6	10640.00	48.4 AV	54.0	-5.6	1.29 V	87	-4.30	52.70

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	1.00 H	7	18.20	43.20
2	5460.00	45.8 AV	54.0	-8.2	1.00 H	7	2.60	43.20
3	#5470.00	63.9 PK	74.0	-10.1	1.10 H	20	20.70	43.20
4	#5470.00	48.0 AV	54.0	-6.0	1.10 H	20	4.80	43.20
5	*5500.00	109.6 PK			1.00 H	7	66.30	43.30
6	*5500.00	99.7 AV			1.00 H	7	56.40	43.30
7	11000.00	58.0 PK	74.0	-16.0	1.30 H	74	4.70	53.30
8	11000.00	46.2 AV	54.0	-7.8	1.30 H	74	-7.10	53.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	1.05 V	10	17.50	43.20
2	5460.00	46.7 AV	54.0	-7.3	1.05 V	10	3.50	43.20
3	#5470.00	73.0 PK	74.0	-1.0	1.05 V	10	29.80	43.20
4	#5470.00	52.8 AV	54.0	-1.2	1.05 V	10	9.60	43.20
5	*5500.00	114.1 PK			1.00 V	10	70.80	43.30
6	*5500.00	104.4 AV			1.00 V	10	61.10	43.30
7	11000.00	61.0 PK	74.0	-13.0	1.03 V	47	7.70	53.30
8	11000.00	49.1 AV	54.0	-4.9	1.03 V	47	-4.20	53.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	110.2 PK			1.00 H	10	66.80	43.40
2	*5580.00	101.1 AV			1.00 H	10	57.70	43.40
3	11160.00	57.1 PK	74.0	-16.9	1.07 H	19	3.70	53.40
4	11160.00	46.3 AV	54.0	-7.7	1.07 H	19	-7.10	53.40
5	#16740.00	61.1 PK	74.0	-12.9	1.20 H	331	5.30	55.80
6	#16740.00	50.1 AV	54.0	-3.9	1.20 H	331	-5.70	55.80
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	*5580.00	115.2 PK			1.63 V	15	71.80	43.40
2	*5580.00	104.8 AV			1.63 V	15	61.40	43.40
3	11160.00	61.2 PK	74.0	-12.8	1.28 V	66	7.80	53.40
4	11160.00	49.0 AV	54.0	-5.0	1.28 V	66	-4.40	53.40
5	#16740.00	64.7 PK	74.0	-9.3	1.11 V	84	8.90	55.80
6	#16740.00	52.5 AV	54.0	-1.5	1.11 V	84	-3.30	55.80

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	108.6 PK			1.20 H	10	65.00	43.60
2	*5700.00	98.4 AV			1.20 H	10	54.80	43.60
3	#5725.00	61.1 PK	74.0	-12.9	1.30 H	20	17.40	43.70
4	#5725.00	48.1 AV	54.0	-5.9	1.30 H	20	4.40	43.70
5	11400.00	58.0 PK	74.0	-16.0	1.06 H	74	4.60	53.40
6	11400.00	45.0 AV	54.0	-9.0	1.06 H	74	-8.40	53.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	111.9 PK			1.50 V	30	68.30	43.60
2	*5700.00	101.7 AV			1.50 V	30	58.10	43.60
3	#5725.00	72.0 PK	74.0	-2.0	1.42 V	17	28.30	43.70
4	#5725.00	52.0 AV	54.0	-2.0	1.42 V	17	8.30	43.70
5	11400.00	60.2 PK	74.0	-13.8	1.35 V	84	6.80	53.40
6	11400.00	48.7 AV	54.0	-5.3	1.35 V	84	-4.70	53.40

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 (40MHz)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.20 H	30	16.70	42.70
2	5150.00	45.8 AV	54.0	-8.2	1.20 H	30	3.10	42.70
3	*5270.00	105.4 PK			1.16 H	14	62.50	42.90
4	*5270.00	95.0 AV			1.16 H	14	52.10	42.90
5	#10540.00	57.0 PK	74.0	-17.0	1.12 H	302	4.40	52.60
6	#10540.00	46.6 AV	54.0	-7.4	1.12 H	302	-6.00	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	5150.00	60.2 PK	74.0	-13.8	1.10 V	20	17.50	42.70
2	5150.00	48.5 AV	54.0	-5.5	1.10 V	20	5.80	42.70
3	*5270.00	110.5 PK			1.00 V	15	67.60	42.90
4	*5270.00	100.4 AV			1.00 V	15	57.50	42.90
5	#10540.00	59.9 PK	74.0	-14.1	1.20 V	95	7.30	52.60
6	#10540.00	49.0 AV	54.0	-5.0	1.20 V	95	-3.60	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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	102.6 PK			1.03 H	12	59.60	43.00
2	*5310.00	92.0 AV			1.03 H	12	49.00	43.00
3	5350.00	66.6 PK	74.0	-7.4	1.03 H	358	23.60	43.00
4	5350.00	48.9 AV	54.0	-5.1	1.03 H	358	5.90	43.00
5	10620.00	57.0 PK	74.0	-17.0	1.04 H	87	4.30	52.70
6	10620.00	45.6 AV	54.0	-8.4	1.04 H	87	-7.10	52.70
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	*5310.00	106.9 PK			1.04 V	15	63.90	43.00
2	*5310.00	96.6 AV			1.04 V	15	53.60	43.00
3	5350.00	72.1 PK	74.0	-1.9	1.05 V	14	29.10	43.00
4	5350.00	52.9 AV	54.0	-1.1	1.05 V	14	9.90	43.00
5	10620.00	60.1 PK	74.0	-13.9	1.23 V	208	7.40	52.70
6	10620.00	48.2 AV	54.0	-5.8	1.23 V	208	-4.50	52.70

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.1 PK	74.0	-14.9	1.10 H	12	15.90	43.20
2	5460.00	46.0 AV	54.0	-8.0	1.10 H	12	2.80	43.20
3	#5470.00	64.2 PK	74.0	-9.8	1.10 H	12	21.00	43.20
4	#5470.00	49.3 AV	54.0	-4.7	1.10 H	12	6.10	43.20
5	*5510.00	102.1 PK			1.00 H	10	58.80	43.30
6	*5510.00	92.0 AV			1.00 H	10	48.70	43.30
7	11020.00	57.0 PK	74.0	-17.0	1.24 H	85	3.70	53.30
8	11020.00	46.1 AV	54.0	-7.9	1.24 H	85	-7.20	53.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	1.55 V	13	15.60	43.20
2	5460.00	46.1 AV	54.0	-7.9	1.55 V	13	2.90	43.20
3	#5470.00	72.9 PK	74.0	-1.1	1.55 V	13	29.70	43.20
4	#5470.00	52.7 AV	54.0	-1.3	1.55 V	13	9.50	43.20
5	*5510.00	106.6 PK			1.17 V	19	63.30	43.30
6	*5510.00	96.1 AV			1.17 V	19	52.80	43.30
7	11020.00	60.9 PK	74.0	-13.1	1.30 V	52	7.60	53.30
8	11020.00	48.6 AV	54.0	-5.4	1.30 V	52	-4.70	53.30

REMARKS:

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



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	109.2 PK			1.00 H	14	65.90	43.30
2	*5550.00	99.4 AV			1.00 H	14	56.10	43.30
3	11100.00	56.6 PK	74.0	-17.4	1.32 H	47	3.30	53.30
4	11100.00	46.1 AV	54.0	-7.9	1.32 H	47	-7.20	53.30
5	#16650.00	59.2 PK	74.0	-14.8	1.00 H	204	4.10	55.10
6	#16650.00	48.6 AV	54.0	-5.4	1.00 H	204	-6.50	55.10
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	*5550.00	113.0 PK			1.52 V	16	69.70	43.30
2	*5550.00	103.0 AV			1.52 V	16	59.70	43.30
3	11100.00	60.9 PK	74.0	-13.1	1.23 V	84	7.60	53.30
4	11100.00	49.0 AV	54.0	-5.0	1.23 V	84	-4.30	53.30
5	#16650.00	63.1 PK	74.0	-10.9	1.13 V	208	8.00	55.10
6	#16650.00	51.1 AV	54.0	-2.9	1.13 V	208	-4.00	55.10

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	106.7 PK			1.00 H	15	63.10	43.60
2	*5670.00	96.3 AV			1.00 H	15	52.70	43.60
3	#5725.00	61.1 PK	74.0	-12.9	1.35 H	97	17.40	43.70
4	#5725.00	46.4 AV	54.0	-7.6	1.35 H	97	2.70	43.70
5	11340.00	59.1 PK	74.0	-14.9	1.12 H	57	5.60	53.50
6	11340.00	47.0 AV	54.0	-7.0	1.12 H	57	-6.50	53.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	109.3 PK			1.46 V	20	65.70	43.60
2	*5670.00	99.1 AV			1.46 V	20	55.50	43.60
3	#5725.00	62.2 PK	74.0	-11.8	1.55 V	34	18.50	43.70
4	#5725.00	49.1 AV	54.0	-4.9	1.55 V	34	5.40	43.70
5	11340.00	61.1 PK	74.0	-12.9	1.33 V	208	7.60	53.50
6	11340.00	49.0 AV	54.0	-5.0	1.33 V	208	-4.50	53.50

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.

TEST MODE C

802.11a

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.20 H	360	16.70	42.70
2	5150.00	44.7 AV	54.0	-9.3	1.20 H	360	2.00	42.70
3	*5260.00	99.3 PK			1.00 H	348	56.40	42.90
4	*5260.00	89.5 AV			1.00 H	348	46.60	42.90
5	#10520.00	55.7 PK	74.0	-18.3	1.13 H	74	3.10	52.60
6	#10520.00	45.7 AV	54.0	-8.3	1.13 H	74	-6.90	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	5150.00	61.5 PK	74.0	-12.5	1.25 V	96	18.80	42.70
2	5150.00	48.4 AV	54.0	-5.6	1.25 V	96	5.70	42.70
3	*5260.00	111.8 PK			1.00 V	14	68.90	42.90
4	*5260.00	101.8 AV			1.00 V	14	58.90	42.90
5	#10520.00	60.0 PK	74.0	-14.0	1.32 V	74	7.40	52.60
6	#10520.00	47.8 AV	54.0	-6.2	1.32 V	74	-4.80	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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	100.4 PK			1.04 H	350	57.40	43.00
2	*5300.00	91.1 AV			1.04 H	350	48.10	43.00
3	10600.00	56.1 PK	74.0	-17.9	1.09 H	55	3.50	52.60
4	10600.00	45.5 AV	54.0	-8.5	1.09 H	55	-7.10	52.60
5	15900.00	56.7 PK	74.0	-17.3	1.10 H	203	4.20	52.50
6	15900.00	46.1 AV	54.0	-7.9	1.10 H	203	-6.40	52.50
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	*5300.00	110.3 PK			1.04 V	8	67.30	43.00
2	*5300.00	100.6 AV			1.04 V	8	57.60	43.00
3	10600.00	60.3 PK	74.0	-13.7	1.23 V	147	7.70	52.60
4	10600.00	48.3 AV	54.0	-5.7	1.23 V	147	-4.30	52.60
5	15900.00	60.6 PK	74.0	-13.4	1.03 V	221	8.10	52.50
6	15900.00	48.8 AV	54.0	-5.2	1.03 V	221	-3.70	52.50

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.3 PK			1.00 H	351	58.30	43.00
2	*5320.00	91.8 AV			1.00 H	351	48.80	43.00
3	5350.00	58.1 PK	74.0	-15.9	1.10 H	360	15.10	43.00
4	5350.00	45.0 AV	54.0	-9.0	1.10 H	360	2.00	43.00
5	10640.00	57.4 PK	74.0	-16.6	1.24 H	96	4.70	52.70
6	10640.00	45.9 AV	54.0	-8.1	1.24 H	96	-6.80	52.70
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	*5320.00	112.3 PK			1.00 V	6	69.30	43.00
2	*5320.00	102.3 AV			1.00 V	6	59.30	43.00
3	5350.00	60.9 PK	74.0	-13.1	1.10 V	10	17.90	43.00
4	5350.00	48.9 AV	54.0	-5.1	1.10 V	10	5.90	43.00
5	10640.00	60.4 PK	74.0	-13.6	1.25 V	87	7.70	52.70
6	10640.00	48.2 AV	54.0	-5.8	1.25 V	87	-4.50	52.70

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.

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.5 PK	74.0	-15.5	1.21 H	346	15.30	43.20
2	5460.00	45.2 AV	54.0	-8.8	1.21 H	346	2.00	43.20
3	#5470.00	58.2 PK	74.0	-15.8	1.21 H	350	15.00	43.20
4	#5470.00	46.6 AV	54.0	-7.4	1.21 H	350	3.40	43.20
5	*5500.00	99.0 PK			1.21 H	346	55.70	43.30
6	*5500.00	89.9 AV			1.21 H	346	46.60	43.30
7	11000.00	59.0 PK	74.0	-15.0	1.06 H	87	5.70	53.30
8	11000.00	46.7 AV	54.0	-7.3	1.06 H	87	-6.60	53.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.7 PK	74.0	-12.3	1.08 V	5	18.50	43.20
2	5460.00	46.0 AV	54.0	-8.0	1.08 V	5	2.80	43.20
3	#5470.00	65.8 PK	74.0	-8.2	1.08 V	5	22.60	43.20
4	#5470.00	48.6 AV	54.0	-5.4	1.08 V	5	5.40	43.20
5	*5500.00	110.6 PK			1.00 V	2	67.30	43.30
6	*5500.00	100.4 AV			1.00 V	2	57.10	43.30
7	11000.00	61.0 PK	74.0	-13.0	1.20 V	32	7.70	53.30
8	11000.00	49.1 AV	54.0	-4.9	1.20 V	32	-4.20	53.30

REMARKS:

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



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	99.7 PK			1.03 H	350	56.30	43.40
2	*5580.00	90.0 AV			1.03 H	350	46.60	43.40
3	11160.00	57.1 PK	74.0	-16.9	1.03 H	64	3.70	53.40
4	11160.00	45.7 AV	54.0	-8.3	1.03 H	64	-7.70	53.40
5	#16740.00	60.8 PK	74.0	-13.2	1.03 H	108	5.00	55.80
6	#16740.00	49.5 AV	54.0	-4.5	1.03 H	108	-6.30	55.80
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	*5580.00	110.3 PK			1.00 V	19	66.90	43.40
2	*5580.00	100.5 AV			1.00 V	19	57.10	43.40
3	11160.00	61.1 PK	74.0	-12.9	1.02 V	74	7.70	53.40
4	11160.00	49.1 AV	54.0	-4.9	1.02 V	74	-4.30	53.40
5	#16740.00	63.8 PK	74.0	-10.2	1.06 V	57	8.00	55.80
6	#16740.00	52.0 AV	54.0	-2.0	1.06 V	57	-3.80	55.80

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	99.0 PK			1.08 H	51	55.40	43.60
2	*5700.00	88.3 AV			1.08 H	51	44.70	43.60
3	#5725.00	59.1 PK	74.0	-14.9	1.13 H	20	15.40	43.70
4	#5725.00	46.4 AV	54.0	-7.6	1.13 H	20	2.70	43.70
5	11400.00	58.0 PK	74.0	-16.0	1.03 H	55	4.60	53.40
6	11400.00	46.8 AV	54.0	-7.2	1.03 H	55	-6.60	53.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	108.9 PK			1.00 V	20	65.30	43.60
2	*5700.00	99.2 AV			1.00 V	20	55.60	43.60
3	#5725.00	61.2 PK	74.0	-12.8	1.10 V	30	17.50	43.70
4	#5725.00	49.2 AV	54.0	-4.8	1.10 V	30	5.50	43.70
5	11400.00	61.0 PK	74.0	-13.0	1.03 V	224	7.60	53.40
6	11400.00	49.1 AV	54.0	-4.9	1.03 V	224	-4.30	53.40

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)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.1 PK	74.0	-14.9	1.12 H	23	16.40	42.70
2	5150.00	44.2 AV	54.0	-9.8	1.12 H	23	1.50	42.70
3	*5260.00	100.0 PK			1.00 H	360	57.10	42.90
4	*5260.00	90.2 AV			1.00 H	360	47.30	42.90
5	#10520.00	55.4 PK	74.0	-18.6	1.20 H	36	2.80	52.60
6	#10520.00	45.4 AV	54.0	-8.6	1.20 H	36	-7.20	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	5150.00	61.8 PK	74.0	-12.2	1.30 V	54	19.10	42.70
2	5150.00	48.8 AV	54.0	-5.2	1.30 V	54	6.10	42.70
3	*5260.00	112.2 PK			1.10 V	20	69.30	42.90
4	*5260.00	102.1 AV			1.10 V	20	59.20	42.90
5	#10520.00	60.5 PK	74.0	-13.5	1.03 V	74	7.90	52.60
6	#10520.00	48.2 AV	54.0	-5.8	1.03 V	74	-4.40	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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.8 PK			1.10 H	340	58.80	43.00
2	*5300.00	91.6 AV			1.10 H	340	48.60	43.00
3	10600.00	56.7 PK	74.0	-17.3	1.10 H	60	4.10	52.60
4	10600.00	50.1 AV	54.0	-3.9	1.10 H	60	-2.50	52.60
5	15900.00	56.1 PK	74.0	-17.9	1.20 H	222	3.60	52.50
6	15900.00	45.8 AV	54.0	-8.2	1.20 H	222	-6.70	52.50
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	*5300.00	111.2 PK			1.10 V	20	68.20	43.00
2	*5300.00	101.2 AV			1.10 V	20	58.20	43.00
3	10600.00	60.5 PK	74.0	-13.5	1.04 V	23	7.90	52.60
4	10600.00	48.9 AV	54.0	-5.1	1.04 V	23	-3.70	52.60
5	15900.00	60.1 PK	74.0	-13.9	1.10 V	203	7.60	52.50
6	15900.00	49.2 AV	54.0	-4.8	1.10 V	203	-3.30	52.50

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.8 PK			1.10 H	360	58.80	43.00
2	*5320.00	91.8 AV			1.10 H	360	48.80	43.00
3	5350.00	58.4 PK	74.0	-15.6	1.02 H	65	15.40	43.00
4	5350.00	45.1 AV	54.0	-8.9	1.02 H	65	2.10	43.00
5	10640.00	54.0 PK	74.0	-20.0	1.33 H	42	1.30	52.70
6	10640.00	45.5 AV	54.0	-8.5	1.33 H	42	-7.20	52.70
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	*5320.00	112.8 PK			1.10 V	10	69.80	43.00
2	*5320.00	102.8 AV			1.10 V	10	59.80	43.00
3	5350.00	61.1 PK	74.0	-12.9	1.20 V	30	18.10	43.00
4	5350.00	49.9 AV	54.0	-4.1	1.20 V	30	6.90	43.00
5	10640.00	60.4 PK	74.0	-13.6	1.33 V	74	7.70	52.70
6	10640.00	48.9 AV	54.0	-5.1	1.33 V	74	-3.80	52.70

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.



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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.0 PK	74.0	-16.0	1.31 H	350	14.80	43.20
2	5460.00	45.0 AV	54.0	-9.0	1.31 H	350	1.80	43.20
3	#5470.00	58.0 PK	74.0	-16.0	1.31 H	360	14.80	43.20
4	#5470.00	46.4 AV	54.0	-7.6	1.31 H	360	3.20	43.20
5	*5500.00	100.0 PK			1.25 H	340	56.70	43.30
6	*5500.00	90.0 AV			1.25 H	340	46.70	43.30
7	11000.00	59.2 PK	74.0	-14.8	1.03 H	74	5.90	53.30
8	11000.00	46.9 AV	54.0	-7.1	1.03 H	74	-6.40	53.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.0 PK	74.0	-12.0	1.10 V	10	18.80	43.20
2	5460.00	46.5 AV	54.0	-7.5	1.10 V	10	3.30	43.20
3	#5470.00	66.0 PK	74.0	-8.0	1.10 V	10	22.80	43.20
4	#5470.00	48.9 AV	54.0	-5.1	1.10 V	10	5.70	43.20
5	*5500.00	111.6 PK			1.02 V	6	68.30	43.30
6	*5500.00	101.0 AV			1.02 V	6	57.70	43.30
7	11000.00	62.5 PK	74.0	-11.5	1.03 V	88	9.20	53.30
8	11000.00	49.5 AV	54.0	-4.5	1.03 V	88	-3.80	53.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	100.7 PK			1.10 H	360	57.30	43.40
2	*5580.00	91.2 AV			1.10 H	360	47.80	43.40
3	11160.00	57.6 PK	74.0	-16.4	1.23 H	228	4.20	53.40
4	11160.00	46.3 AV	54.0	-7.7	1.23 H	228	-7.10	53.40
5	#16740.00	62.0 PK	74.0	-12.0	1.23 H	308	6.20	55.80
6	#16740.00	50.0 AV	54.0	-4.0	1.23 H	308	-5.80	55.80
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	*5580.00	110.8 PK			1.10 V	30	67.40	43.40
2	*5580.00	101.0 AV			1.10 V	30	57.60	43.40
3	11160.00	61.5 PK	74.0	-12.5	1.13 V	85	8.10	53.40
4	11160.00	49.6 AV	54.0	-4.4	1.13 V	85	-3.80	53.40
5	#16740.00	64.2 PK	74.0	-9.8	1.10 V	109	8.40	55.80
6	#16740.00	52.5 AV	54.0	-1.5	1.10 V	109	-3.30	55.80

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	100.2 PK			1.10 H	69	56.60	43.60
2	*5700.00	90.1 AV			1.10 H	69	46.50	43.60
3	#5725.00	59.6 PK	74.0	-14.4	1.20 H	102	15.90	43.70
4	#5725.00	47.0 AV	54.0	-7.0	1.20 H	102	3.30	43.70
5	11400.00	58.5 PK	74.0	-15.5	1.10 H	23	5.10	53.40
6	11400.00	47.3 AV	54.0	-6.7	1.10 H	23	-6.10	53.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	109.4 PK			1.10 V	30	65.80	43.60
2	*5700.00	99.9 AV			1.10 V	30	56.30	43.60
3	#5725.00	61.7 PK	74.0	-12.3	1.20 V	40	18.00	43.70
4	#5725.00	49.7 AV	54.0	-4.3	1.20 V	40	6.00	43.70
5	11400.00	61.8 PK	74.0	-12.2	1.10 V	230	8.40	53.40
6	11400.00	49.9 AV	54.0	-4.1	1.10 V	230	-3.50	53.40

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 (40MHz)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.4 PK	74.0	-16.6	1.29 H	74	14.70	42.70
2	5150.00	45.7 AV	54.0	-8.3	1.29 H	74	3.00	42.70
3	*5270.00	98.1 PK			1.00 H	345	55.20	42.90
4	*5270.00	88.0 AV			1.00 H	345	45.10	42.90
5	#10540.00	57.0 PK	74.0	-17.0	1.02 H	33	4.40	52.60
6	#10540.00	46.1 AV	54.0	-7.9	1.02 H	33	-6.50	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	5150.00	60.5 PK	74.0	-13.5	1.10 V	10	17.80	42.70
2	5150.00	48.4 AV	54.0	-5.6	1.10 V	10	5.70	42.70
3	*5270.00	109.0 PK			1.00 V	6	66.10	42.90
4	*5270.00	98.0 AV			1.00 V	6	55.10	42.90
5	#10540.00	60.1 PK	74.0	-13.9	1.18 V	94	7.50	52.60
6	#10540.00	48.1 AV	54.0	-5.9	1.18 V	94	-4.50	52.60

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	94.9 PK			1.35 H	350	51.90	43.00
2	*5310.00	85.5 AV			1.35 H	350	42.50	43.00
3	5350.00	62.8 PK	74.0	-11.2	1.40 H	360	19.80	43.00
4	5350.00	46.2 AV	54.0	-7.8	1.40 H	360	3.20	43.00
5	10620.00	57.2 PK	74.0	-16.8	1.12 H	74	4.50	52.70
6	10620.00	45.6 AV	54.0	-8.4	1.12 H	74	-7.10	52.70
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	*5310.00	106.5 PK			1.00 V	19	63.50	43.00
2	*5310.00	96.1 AV			1.00 V	19	53.10	43.00
3	5350.00	69.7 PK	74.0	-4.3	1.00 V	360	26.70	43.00
4	5350.00	52.5 AV	54.0	-1.5	1.00 V	360	9.50	43.00
5	10620.00	60.2 PK	74.0	-13.8	1.09 V	57	7.50	52.70
6	10620.00	48.4 AV	54.0	-5.6	1.09 V	57	-4.30	52.70

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.



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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.6 PK	74.0	-15.4	1.10 H	350	15.40	43.20
2	5460.00	45.2 AV	54.0	-8.8	1.10 H	350	2.00	43.20
3	#5470.00	59.1 PK	74.0	-14.9	1.00 H	350	15.90	43.20
4	#5470.00	47.6 AV	54.0	-6.4	1.00 H	350	4.40	43.20
5	*5510.00	94.1 PK			1.00 H	347	50.80	43.30
6	*5510.00	83.8 AV			1.00 H	347	40.50	43.30
7	11020.00	58.0 PK	74.0	-16.0	1.03 H	148	4.70	53.30
8	11020.00	46.6 AV	54.0	-7.4	1.03 H	148	-6.70	53.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.4 PK	74.0	-14.6	1.01 V	5	16.20	43.20
2	5460.00	46.0 AV	54.0	-8.0	1.01 V	5	2.80	43.20
3	#5470.00	71.1 PK	74.0	-2.9	1.01 V	5	27.90	43.20
4	#5470.00	52.4 AV	54.0	-1.6	1.01 V	5	9.20	43.20
5	*5510.00	104.2 PK			1.00 V	24	60.90	43.30
6	*5510.00	93.8 AV			1.00 V	24	50.50	43.30
7	11020.00	61.1 PK	74.0	-12.9	1.23 V	55	7.80	53.30
8	11020.00	49.1 AV	54.0	-4.9	1.23 V	55	-4.20	53.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	97.7 PK			1.00 H	56	54.40	43.30
2	*5550.00	88.0 AV			1.00 H	56	44.70	43.30
3	11100.00	58.9 PK	74.0	-15.1	1.09 H	207	5.60	53.30
4	11100.00	47.1 AV	54.0	-6.9	1.09 H	207	-6.20	53.30
5	#16650.00	60.2 PK	74.0	-13.8	1.15 H	63	5.10	55.10
6	#16650.00	49.3 AV	54.0	-4.7	1.15 H	63	-5.80	55.10
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	*5550.00	108.5 PK			1.00 V	360	65.20	43.30
2	*5550.00	98.7 AV			1.00 V	360	55.40	43.30
3	11100.00	61.0 PK	74.0	-13.0	1.25 V	88	7.70	53.30
4	11100.00	49.0 AV	54.0	-5.0	1.25 V	88	-4.30	53.30
5	#16650.00	63.3 PK	74.0	-10.7	1.23 V	74	8.20	55.10
6	#16650.00	51.1 AV	54.0	-2.9	1.23 V	74	-4.00	55.10

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	96.2 PK			1.00 H	49	52.60	43.60
2	*5670.00	86.6 AV			1.00 H	49	43.00	43.60
3	#5725.00	57.9 PK	74.0	-16.1	1.15 H	74	14.20	43.70
4	#5725.00	45.5 AV	54.0	-8.5	1.15 H	74	1.80	43.70
5	11340.00	58.0 PK	74.0	-16.0	1.28 H	74	4.50	53.50
6	11340.00	46.7 AV	54.0	-7.3	1.28 H	74	-6.80	53.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	108.7 PK			1.00 V	6	65.10	43.60
2	*5670.00	97.7 AV			1.00 V	6	54.10	43.60
3	#5725.00	61.3 PK	74.0	-12.7	1.10 V	20	17.60	43.70
4	#5725.00	49.3 AV	54.0	-4.7	1.10 V	20	5.60	43.70
5	11340.00	62.1 PK	74.0	-11.9	1.05 V	87	8.60	53.50
6	11340.00	49.1 AV	54.0	-4.9	1.05 V	87	-4.40	53.50

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.

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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	1.06 H	324	15.80	43.80
2	5150.00	47.1 AV	54.0	-6.9	1.06 H	324	3.30	43.80
3	*5260.00	103.3 PK			1.03 H	304	59.30	44.00
4	*5260.00	93.0 AV			1.03 H	304	49.00	44.00
5	#10520.00	56.9 PK	74.0	-17.1	1.10 H	178	5.60	51.30
6	#10520.00	44.6 AV	54.0	-9.4	1.10 H	178	-6.70	51.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	60.7 PK	74.0	-13.3	1.05 V	278	16.90	43.80
2	5150.00	47.4 AV	54.0	-6.6	1.05 V	278	3.60	43.80
3	*5260.00	112.1 PK			1.00 V	310	68.10	44.00
4	*5260.00	101.4 AV			1.00 V	310	57.40	44.00
5	#10520.00	60.9 PK	74.0	-13.1	1.85 V	23	9.60	51.30
6	#10520.00	47.7 AV	54.0	-6.3	1.85 V	23	-3.60	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.9 PK			1.11 H	81	57.80	44.10
2	*5300.00	91.9 AV			1.11 H	81	47.80	44.10
3	10600.00	56.3 PK	74.0	-17.7	1.43 H	118	5.00	51.30
4	10600.00	44.6 AV	54.0	-9.4	1.43 H	118	-6.70	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	110.3 PK			1.00 V	45	66.20	44.10
2	*5300.00	100.2 AV			1.00 V	45	56.10	44.10
3	10600.00	60.6 PK	74.0	-13.4	1.04 V	112	9.30	51.30
4	10600.00	47.6 AV	54.0	-6.4	1.04 V	112	-3.70	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	100.7 PK			1.00 H	170	56.60	44.10
2	*5320.00	91.2 AV			1.00 H	170	47.10	44.10
3	5350.00	60.3 PK	74.0	-13.7	1.06 H	176	16.20	44.10
4	5350.00	47.5 AV	54.0	-6.5	1.06 H	176	3.40	44.10
5	10640.00	56.6 PK	74.0	-17.4	1.42 H	122	5.20	51.40
6	10640.00	44.6 AV	54.0	-9.4	1.42 H	122	-6.80	51.40
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	*5320.00	110.2 PK			1.00 V	8	66.10	44.10
2	*5320.00	100.4 AV			1.00 V	8	56.30	44.10
3	5350.00	72.1 PK	74.0	-1.9	1.00 V	20	28.00	44.10
4	5350.00	52.4 AV	54.0	-1.6	1.00 V	20	8.30	44.10
5	10640.00	61.2 PK	74.0	-12.8	1.24 V	334	9.80	51.40
6	10640.00	48.3 AV	54.0	-5.7	1.24 V	334	-3.10	51.40

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.9 PK	74.0	-13.1	1.10 H	95	16.60	44.30
2	5460.00	46.9 AV	54.0	-7.1	1.10 H	95	2.60	44.30
3	#5470.00	63.0 PK	74.0	-11.0	1.10 H	95	18.70	44.30
4	#5470.00	48.5 AV	54.0	-5.5	1.10 H	95	4.20	44.30
5	*5500.00	101.1 PK			1.22 H	214	56.70	44.40
6	*5500.00	91.2 AV			1.22 H	214	46.80	44.40
7	11000.00	59.1 PK	74.0	-14.9	1.35 H	224	7.20	51.90
8	11000.00	46.2 AV	54.0	-7.8	1.35 H	224	-5.70	51.90
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	5460.00	63.5 PK	74.0	-10.5	1.12 V	47	19.20	44.30
2	5460.00	49.0 AV	54.0	-5.0	1.12 V	47	4.70	44.30
3	#5470.00	73.0 PK	74.0	-1.0	1.12 V	47	28.70	44.30
4	#5470.00	52.2 AV	54.0	-1.8	1.12 V	47	7.90	44.30
5	*5500.00	112.3 PK			1.11 V	41	67.90	44.40
6	*5500.00	102.0 AV			1.11 V	41	57.60	44.40
7	11000.00	57.4 PK	74.0	-16.6	1.05 V	234	5.50	51.90
8	11000.00	44.8 AV	54.0	-9.2	1.05 V	234	-7.10	51.90

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
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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	103.0 PK			1.48 H	89	58.60	44.40
2	*5580.00	92.4 AV			1.48 H	89	48.00	44.40
3	11160.00	57.0 PK	74.0	-17.0	1.01 H	241	4.90	52.10
4	11160.00	46.1 AV	54.0	-7.9	1.01 H	241	-6.00	52.10
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	*5580.00	113.2 PK			1.10 V	160	68.80	44.40
2	*5580.00	102.8 AV			1.10 V	160	58.40	44.40
3	11160.00	62.2 PK	74.0	-11.8	1.24 V	119	10.10	52.10
4	11160.00	49.4 AV	54.0	-4.6	1.24 V	119	-2.70	52.10

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out 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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	99.8 PK			1.61 H	95	55.20	44.60
2	*5700.00	89.9 AV			1.61 H	95	45.30	44.60
3	#5725.00	60.4 PK	74.0	-13.6	1.09 H	152	15.80	44.60
4	#5725.00	47.6 AV	54.0	-6.4	1.09 H	152	3.00	44.60
5	11400.00	58.3 PK	74.0	-15.7	1.21 H	132	5.90	52.40
6	11400.00	46.2 AV	54.0	-7.8	1.21 H	132	-6.20	52.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	109.2 PK			1.51 V	0	64.60	44.60
2	*5700.00	99.4 AV			1.51 V	0	54.80	44.60
3	#5725.00	71.8 PK	74.0	-2.2	1.62 V	357	27.20	44.60
4	#5725.00	52.9 AV	54.0	-1.1	1.62 V	357	8.30	44.60
5	11400.00	62.7 PK	74.0	-11.3	1.43 V	224	10.30	52.40
6	11400.00	48.7 AV	54.0	-5.3	1.43 V	224	-3.70	52.40

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)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.43 H	325	16.00	43.80
2	5150.00	47.3 AV	54.0	-6.7	1.43 H	325	3.50	43.80
3	*5260.00	103.6 PK			1.24 H	110	59.60	44.00
4	*5260.00	93.4 AV			1.24 H	110	49.40	44.00
5	#10520.00	57.2 PK	74.0	-16.8	1.05 H	43	5.90	51.30
6	#10520.00	44.4 AV	54.0	-9.6	1.05 H	43	-6.90	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	1.24 V	112	17.30	43.80
2	5150.00	47.8 AV	54.0	-6.2	1.24 V	112	4.00	43.80
3	*5260.00	112.5 PK			1.20 V	4	68.50	44.00
4	*5260.00	101.7 AV			1.20 V	4	57.70	44.00
5	#10520.00	61.2 PK	74.0	-12.8	1.35 V	118	9.90	51.30
6	#10520.00	48.3 AV	54.0	-5.7	1.35 V	118	-3.00	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	103.9 PK			1.10 H	78	59.80	44.10
2	*5300.00	93.9 AV			1.10 H	78	49.80	44.10
3	10600.00	56.4 PK	74.0	-17.6	1.24 H	114	5.10	51.30
4	10600.00	44.5 AV	54.0	-9.5	1.24 H	114	-6.80	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	110.3 PK			1.01 V	112	66.20	44.10
2	*5300.00	100.3 AV			1.01 V	112	56.20	44.10
3	10600.00	60.4 PK	74.0	-13.6	1.04 V	112	9.10	51.30
4	10600.00	47.3 AV	54.0	-6.7	1.04 V	112	-4.00	51.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	100.0 PK			1.00 H	143	55.90	44.10
2	*5320.00	90.5 AV			1.00 H	143	46.40	44.10
3	5350.00	57.8 PK	74.0	-16.2	1.04 H	321	13.70	44.10
4	5350.00	45.8 AV	54.0	-8.2	1.04 H	321	1.70	44.10
5	10640.00	58.4 PK	74.0	-15.6	1.04 H	114	7.00	51.40
6	10640.00	45.2 AV	54.0	-8.8	1.04 H	114	-6.20	51.40
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	*5320.00	109.4 PK			1.51 V	20	65.30	44.10
2	*5320.00	99.5 AV			1.51 V	20	55.40	44.10
3	5350.00	73.0 PK	74.0	-1.0	1.00 V	3	28.90	44.10
4	5350.00	51.2 AV	54.0	-2.8	1.00 V	3	7.10	44.10
5	10640.00	61.4 PK	74.0	-12.6	1.24 V	112	10.00	51.40
6	10640.00	48.6 AV	54.0	-5.4	1.24 V	112	-2.80	51.40

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	1.24 H	110	13.80	44.30
2	5460.00	45.3 AV	54.0	-8.7	1.24 H	110	1.00	44.30
3	#5470.00	62.0 PK	74.0	-12.0	1.24 H	110	17.70	44.30
4	#5470.00	47.0 AV	54.0	-7.0	1.24 H	110	2.70	44.30
5	*5500.00	99.8 PK			1.01 H	112	55.40	44.40
6	*5500.00	89.9 AV			1.01 H	112	45.50	44.40
7	11000.00	58.3 PK	74.0	-15.7	1.32 H	198	6.40	51.90
8	11000.00	46.2 AV	54.0	-7.8	1.32 H	198	-5.70	51.90
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	5460.00	62.8 PK	74.0	-11.2	1.02 V	45	18.50	44.30
2	5460.00	48.7 AV	54.0	-5.3	1.02 V	45	4.40	44.30
3	#5470.00	72.4 PK	74.0	-1.6	1.02 V	45	28.10	44.30
4	#5470.00	51.2 AV	54.0	-2.8	1.02 V	45	6.90	44.30
5	*5500.00	110.8 PK			1.22 V	43	66.40	44.40
6	*5500.00	100.5 AV			1.22 V	43	56.10	44.40
7	11000.00	61.3 PK	74.0	-12.7	1.33 V	154	9.40	51.90
8	11000.00	48.3 AV	54.0	-5.7	1.33 V	154	-3.60	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	102.8 PK			1.47 H	120	58.40	44.40
2	*5580.00	92.3 AV			1.47 H	120	47.90	44.40
3	11160.00	59.5 PK	74.0	-14.5	1.71 H	159	7.40	52.10
4	11160.00	46.3 AV	54.0	-7.7	1.71 H	159	-5.80	52.10
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	*5580.00	113.0 PK			1.10 V	142	68.60	44.40
2	*5580.00	102.6 AV			1.10 V	142	58.20	44.40
3	11160.00	62.8 PK	74.0	-11.2	1.62 V	247	10.70	52.10
4	11160.00	48.8 AV	54.0	-5.2	1.62 V	247	-3.30	52.10

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	99.1 PK			1.64 H	100	54.50	44.60
2	*5700.00	89.1 AV			1.64 H	100	44.50	44.60
3	#5725.00	59.1 PK	74.0	-14.9	1.23 H	141	14.50	44.60
4	#5725.00	46.4 AV	54.0	-7.6	1.23 H	141	1.80	44.60
5	11400.00	58.6 PK	74.0	-15.4	1.55 H	152	6.20	52.40
6	11400.00	46.5 AV	54.0	-7.5	1.55 H	152	-5.90	52.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	108.3 PK			1.00 V	3	63.70	44.60
2	*5700.00	98.5 AV			1.00 V	3	53.90	44.60
3	#5725.00	69.0 PK	74.0	-5.0	1.00 V	53	24.40	44.60
4	#5725.00	53.0 AV	54.0	-1.0	1.00 V	53	8.40	44.60
5	11400.00	61.4 PK	74.0	-12.6	1.36 V	158	9.00	52.40
6	11400.00	48.9 AV	54.0	-5.1	1.36 V	158	-3.50	52.40

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 (40MHz)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.1 PK	74.0	-14.9	1.00 H	308	15.30	43.80
2	5150.00	46.7 AV	54.0	-7.3	1.00 H	308	2.90	43.80
3	*5270.00	96.5 PK			1.00 H	215	52.50	44.00
4	*5270.00	86.4 AV			1.00 H	215	42.40	44.00
5	#10540.00	56.3 PK	74.0	-17.7	1.67 H	188	5.00	51.30
6	#10540.00	45.3 AV	54.0	-8.7	1.67 H	188	-6.00	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.06 V	208	16.00	43.80
2	5150.00	47.2 AV	54.0	-6.8	1.06 V	208	3.40	43.80
3	*5270.00	106.6 PK			1.54 V	19	62.60	44.00
4	*5270.00	96.5 AV			1.54 V	19	52.50	44.00
5	#10540.00	60.4 PK	74.0	-13.6	1.32 V	154	9.10	51.30
6	#10540.00	47.4 AV	54.0	-6.6	1.32 V	154	-3.90	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	93.1 PK			1.64 H	81	49.00	44.10
2	*5310.00	82.8 AV			1.64 H	81	38.70	44.10
3	5350.00	60.4 PK	74.0	-13.6	1.00 H	75	16.30	44.10
4	5350.00	47.3 AV	54.0	-6.7	1.00 H	75	3.20	44.10
5	10620.00	56.6 PK	74.0	-17.4	1.01 H	330	5.20	51.40
6	10620.00	45.2 AV	54.0	-8.8	1.01 H	330	-6.20	51.40
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	*5310.00	113.2 PK			1.09 V	14	69.10	44.10
2	*5310.00	102.8 AV			1.09 V	14	58.70	44.10
3	5350.00	73.0 PK	74.0	-1.0	1.00 V	1	28.90	44.10
4	5350.00	52.7 AV	54.0	-1.3	1.00 V	1	8.60	44.10
5	10620.00	61.4 PK	74.0	-12.6	1.41 V	124	10.00	51.40
6	10620.00	47.9 AV	54.0	-6.1	1.41 V	124	-3.50	51.40

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	1.07 H	53	16.50	44.30
2	5460.00	46.4 AV	54.0	-7.6	1.07 H	53	2.10	44.30
3	#5470.00	61.3 PK	74.0	-12.7	1.07 H	53	17.00	44.30
4	#5470.00	48.3 AV	54.0	-5.7	1.07 H	53	4.00	44.30
5	*5510.00	93.8 PK			1.00 H	89	49.40	44.40
6	*5510.00	83.7 AV			1.00 H	89	39.30	44.40
7	11020.00	57.9 PK	74.0	-16.1	1.06 H	132	6.00	51.90
8	11020.00	45.9 AV	54.0	-8.1	1.06 H	132	-6.00	51.90
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	5460.00	61.3 PK	74.0	-12.7	1.51 V	96	17.00	44.30
2	5460.00	47.0 AV	54.0	-7.0	1.51 V	96	2.70	44.30
3	#5470.00	72.1 PK	74.0	-1.9	1.51 V	96	27.80	44.30
4	#5470.00	53.0 AV	54.0	-1.0	1.51 V	96	8.70	44.30
5	*5510.00	103.1 PK			1.20 V	38	58.70	44.40
6	*5510.00	93.1 AV			1.20 V	38	48.70	44.40
7	11020.00	62.1 PK	74.0	-11.9	1.64 V	187	10.20	51.90
8	11020.00	48.6 AV	54.0	-5.4	1.64 V	187	-3.30	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	99.3 PK			1.11 H	214	54.90	44.40
2	*5550.00	89.2 AV			1.11 H	214	44.80	44.40
3	11100.00	58.6 PK	74.0	-15.4	1.95 H	116	6.70	51.90
4	11100.00	45.2 AV	54.0	-8.8	1.95 H	116	-6.70	51.90
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	*5550.00	108.3 PK			1.20 V	35	63.90	44.40
2	*5550.00	97.7 AV			1.20 V	35	53.30	44.40
3	11100.00	62.5 PK	74.0	-11.5	1.96 V	178	10.60	51.90
4	11100.00	48.7 AV	54.0	-5.3	1.96 V	178	-3.20	51.90

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
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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	94.3 PK			1.11 H	72	49.80	44.50
2	*5670.00	84.6 AV			1.11 H	72	40.10	44.50
3	#5725.00	60.9 PK	74.0	-13.1	1.04 H	11	16.30	44.60
4	#5725.00	47.3 AV	54.0	-6.7	1.04 H	11	2.70	44.60
5	11340.00	58.3 PK	74.0	-15.7	1.54 H	166	5.90	52.40
6	11340.00	45.5 AV	54.0	-8.5	1.54 H	166	-6.90	52.40
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	106.4 PK			1.52 V	13	61.90	44.50
2	*5670.00	96.0 AV			1.52 V	13	51.50	44.50
3	#5725.00	60.6 PK	74.0	-13.4	1.06 V	169	16.00	44.60
4	#5725.00	47.7 AV	54.0	-6.3	1.06 V	169	3.10	44.60
5	11340.00	62.2 PK	74.0	-11.8	1.81 V	146	9.80	52.40
6	11340.00	48.8 AV	54.0	-5.2	1.81 V	146	-3.60	52.40

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.

TEST MODE E
802.11a

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.9 PK	74.0	-14.1	1.05 H	300	16.10	43.80
2	5150.00	48.1 AV	54.0	-5.9	1.05 H	300	4.30	43.80
3	*5260.00	107.9 PK			1.00 H	324	63.90	44.00
4	*5260.00	98.1 AV			1.00 H	324	54.10	44.00
5	#10520.00	56.4 PK	74.0	-17.6	1.42 H	124	5.10	51.30
6	#10520.00	45.3 AV	54.0	-8.7	1.42 H	124	-6.00	51.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4920.00	60.9 PK	74.0	-13.1	1.00 V	360	17.60	43.30
2	4920.00	49.9 AV	54.0	-4.1	1.00 V	360	6.60	43.30
3	5150.00	59.2 PK	74.0	-14.8	1.00 V	124	15.40	43.80
4	5150.00	47.4 AV	54.0	-6.6	1.00 V	124	3.60	43.80
5	*5260.00	114.9 PK			1.18 V	4	70.90	44.00
6	*5260.00	104.6 AV			1.18 V	4	60.60	44.00
7	#10520.00	61.6 PK	74.0	-12.4	1.00 V	142	10.30	51.30
8	#10520.00	47.6 AV	54.0	-6.4	1.00 V	142	-3.70	51.30

REMARKS:

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



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	108.0 PK			1.13 H	336	63.90	44.10
2	*5300.00	98.0 AV			1.13 H	336	53.90	44.10
3	10600.00	57.2 PK	74.0	-16.8	1.34 H	114	5.90	51.30
4	10600.00	45.5 AV	54.0	-8.5	1.34 H	114	-5.80	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	114.0 PK			1.19 V	0	69.90	44.10
2	*5300.00	103.4 AV			1.19 V	0	59.30	44.10
3	10600.00	60.6 PK	74.0	-13.4	1.54 V	136	9.30	51.30
4	10600.00	48.5 AV	54.0	-5.5	1.54 V	136	-2.80	51.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.4 PK			1.00 H	321	63.30	44.10
2	*5320.00	97.3 AV			1.00 H	321	53.20	44.10
3	5350.00	65.9 PK	74.0	-8.1	1.02 H	22	21.80	44.10
4	5350.00	50.0 AV	54.0	-4.0	1.02 H	22	5.90	44.10
5	10640.00	58.2 PK	74.0	-15.8	1.32 H	184	6.80	51.40
6	10640.00	44.6 AV	54.0	-9.4	1.32 H	184	-6.80	51.40
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	*5320.00	113.6 PK			1.00 V	3	69.50	44.10
2	*5320.00	103.7 AV			1.00 V	3	59.60	44.10
3	5350.00	70.6 PK	74.0	-3.4	1.06 V	5	26.50	44.10
4	5350.00	52.5 AV	54.0	-1.5	1.06 V	5	8.40	44.10
5	10640.00	60.6 PK	74.0	-13.4	1.48 V	133	9.20	51.40
6	10640.00	48.2 AV	54.0	-5.8	1.48 V	133	-3.20	51.40

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.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.6 PK	74.0	-12.4	1.00 H	20	17.30	44.30
2	5460.00	48.0 AV	54.0	-6.0	1.00 H	20	3.70	44.30
3	#5470.00	67.6 PK	74.0	-6.4	1.00 H	20	23.30	44.30
4	#5470.00	49.5 AV	54.0	-4.5	1.00 H	20	5.20	44.30
5	*5500.00	112.2 PK			1.00 H	9	67.80	44.40
6	*5500.00	101.4 AV			1.00 H	9	57.00	44.40
7	11000.00	59.0 PK	74.0	-15.0	1.74 H	324	7.10	51.90
8	11000.00	46.2 AV	54.0	-7.8	1.74 H	324	-5.70	51.90
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	5460.00	66.0 PK	74.0	-8.0	1.27 V	5	21.70	44.30
2	5460.00	48.6 AV	54.0	-5.4	1.27 V	5	4.30	44.30
3	#5470.00	71.0 PK	74.0	-3.0	1.27 V	5	26.70	44.30
4	#5470.00	51.7 AV	54.0	-2.3	1.27 V	5	7.40	44.30
5	*5500.00	115.7 PK			1.00 V	20	71.30	44.40
6	*5500.00	104.8 AV			1.00 V	20	60.40	44.40
7	11000.00	61.8 PK	74.0	-12.2	1.04 V	83	9.90	51.90
8	11000.00	48.7 AV	54.0	-5.3	1.04 V	83	-3.20	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	111.4 PK			1.00 H	10	67.00	44.40
2	*5580.00	100.8 AV			1.00 H	10	56.40	44.40
3	11160.00	58.1 PK	74.0	-15.9	1.21 H	111	6.00	52.10
4	11160.00	46.4 AV	54.0	-7.6	1.21 H	111	-5.70	52.10
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	*5580.00	116.4 PK			1.00 V	21	72.00	44.40
2	*5580.00	105.7 AV			1.00 V	21	61.30	44.40
3	11160.00	61.6 PK	74.0	-12.4	1.43 V	51	9.50	52.10
4	11160.00	48.5 AV	54.0	-5.5	1.43 V	51	-3.60	52.10

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.1 PK			1.07 H	2	61.50	44.60
2	*5700.00	95.2 AV			1.07 H	2	50.60	44.60
3	#5725.00	60.8 PK	74.0	-13.2	1.00 H	142	16.20	44.60
4	#5725.00	47.7 AV	54.0	-6.3	1.00 H	142	3.10	44.60
5	11400.00	58.2 PK	74.0	-15.8	1.12 H	220	5.80	52.40
6	11400.00	46.5 AV	54.0	-7.5	1.12 H	220	-5.90	52.40
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	#5480.00	62.4 PK	74.0	-11.6	1.13 V	0	18.10	44.30
2	#5480.00	51.9 AV	54.0	-2.1	1.13 V	0	7.60	44.30
3	*5700.00	113.0 PK			1.10 V	11	68.40	44.60
4	*5700.00	101.9 AV			1.10 V	11	57.30	44.60
5	#5725.00	60.9 PK	74.0	-13.1	1.11 V	215	16.30	44.60
6	#5725.00	48.0 AV	54.0	-6.0	1.11 V	215	3.40	44.60
7	11400.00	61.8 PK	74.0	-12.2	1.00 V	142	9.40	52.40
8	11400.00	48.7 AV	54.0	-5.3	1.00 V	142	-3.70	52.40

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.



A D T

802.11n (20MHz)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.00 H	324	16.00	43.80
2	5150.00	48.6 AV	54.0	-5.4	1.00 H	324	4.80	43.80
3	*5260.00	107.3 PK			1.00 H	323	63.30	44.00
4	*5260.00	97.1 AV			1.00 H	323	53.10	44.00
5	#10520.00	60.0 PK	74.0	-14.0	1.00 H	36	8.70	51.30
6	#10520.00	44.9 AV	54.0	-9.1	1.00 H	36	-6.40	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.06 V	253	16.00	43.80
2	5150.00	47.7 AV	54.0	-6.3	1.06 V	253	3.90	43.80
3	*5260.00	113.4 PK			1.04 V	6	69.40	44.00
4	*5260.00	102.9 AV			1.04 V	6	58.90	44.00
5	#10520.00	60.2 PK	74.0	-13.8	1.43 V	11	8.90	51.30
6	#10520.00	47.0 AV	54.0	-7.0	1.43 V	11	-4.30	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.5 PK			1.05 H	241	63.40	44.10
2	*5300.00	97.6 AV			1.05 H	241	53.50	44.10
3	10600.00	56.4 PK	74.0	-17.6	1.43 H	124	5.10	51.30
4	10600.00	44.5 AV	54.0	-9.5	1.43 H	124	-6.80	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	113.6 PK			1.20 V	352	69.50	44.10
2	*5300.00	103.0 AV			1.20 V	352	58.90	44.10
3	10600.00	60.1 PK	74.0	-13.9	1.04 V	114	8.80	51.30
4	10600.00	47.6 AV	54.0	-6.4	1.04 V	114	-3.70	51.30

REMARKS:

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



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.1 PK			1.10 H	342	63.00	44.10
2	*5320.00	97.0 AV			1.10 H	342	52.90	44.10
3	5350.00	65.7 PK	74.0	-8.3	1.04 H	100	21.60	44.10
4	5350.00	49.8 AV	54.0	-4.2	1.04 H	100	5.70	44.10
5	10640.00	58.0 PK	74.0	-16.0	1.23 H	140	6.60	51.40
6	10640.00	44.6 AV	54.0	-9.4	1.23 H	140	-6.80	51.40
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	*5320.00	113.4 PK			1.20 V	11	69.30	44.10
2	*5320.00	103.5 AV			1.20 V	11	59.40	44.10
3	5350.00	69.6 PK	74.0	-4.4	1.00 V	352	25.50	44.10
4	5350.00	52.5 AV	54.0	-1.5	1.00 V	352	8.40	44.10
5	10640.00	61.5 PK	74.0	-12.5	1.32 V	119	10.10	51.40
6	10640.00	47.4 AV	54.0	-6.6	1.32 V	119	-4.00	51.40

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	1.00 H	33	17.10	44.30
2	5460.00	47.9 AV	54.0	-6.1	1.00 H	33	3.60	44.30
3	#5470.00	67.7 PK	74.0	-6.3	1.00 H	33	23.40	44.30
4	#5470.00	49.3 AV	54.0	-4.7	1.00 H	33	5.00	44.30
5	*5500.00	111.8 PK			1.00 H	142	67.40	44.40
6	*5500.00	101.3 AV			1.00 H	142	56.90	44.40
7	11000.00	57.4 PK	74.0	-16.6	1.05 H	123	5.50	51.90
8	11000.00	45.4 AV	54.0	-8.6	1.05 H	123	-6.50	51.90
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	5460.00	63.1 PK	74.0	-10.9	1.00 V	0	18.80	44.30
2	5460.00	47.9 AV	54.0	-6.1	1.00 V	0	3.60	44.30
3	#5470.00	73.0 PK	74.0	-1.0	1.00 V	0	28.70	44.30
4	#5470.00	52.5 AV	54.0	-1.5	1.00 V	0	8.20	44.30
5	*5500.00	115.1 PK			1.00 V	14	70.70	44.40
6	*5500.00	104.8 AV			1.00 V	14	60.40	44.40
7	11000.00	61.1 PK	74.0	-12.9	1.10 V	113	9.20	51.90
8	11000.00	48.3 AV	54.0	-5.7	1.10 V	113	-3.60	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	111.2 PK			1.00 H	142	66.80	44.40
2	*5580.00	100.9 AV			1.00 H	142	56.50	44.40
3	11160.00	58.1 PK	74.0	-15.9	1.32 H	113	6.00	52.10
4	11160.00	46.2 AV	54.0	-7.8	1.32 H	113	-5.90	52.10
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	*5580.00	116.2 PK			1.00 V	16	71.80	44.40
2	*5580.00	105.9 AV			1.00 V	16	61.50	44.40
3	11160.00	62.6 PK	74.0	-11.4	1.71 V	154	10.50	52.10
4	11160.00	48.6 AV	54.0	-5.4	1.71 V	154	-3.50	52.10

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.



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.0 PK			1.04 H	13	61.40	44.60
2	*5700.00	95.1 AV			1.04 H	13	50.50	44.60
3	#5725.00	60.3 PK	74.0	-13.7	1.41 H	240	15.70	44.60
4	#5725.00	47.4 AV	54.0	-6.6	1.41 H	240	2.80	44.60
5	11400.00	58.5 PK	74.0	-15.5	1.04 H	325	6.10	52.40
6	11400.00	46.7 AV	54.0	-7.3	1.04 H	325	-5.70	52.40
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	#5480.00	62.2 PK	74.0	-11.8	1.00 V	14	17.90	44.30
2	#5480.00	50.9 AV	54.0	-3.1	1.00 V	14	6.60	44.30
3	*5700.00	112.8 PK			1.10 V	142	68.20	44.60
4	*5700.00	101.7 AV			1.10 V	142	57.10	44.60
5	#5725.00	60.7 PK	74.0	-13.3	1.32 V	114	16.10	44.60
6	#5725.00	48.1 AV	54.0	-5.9	1.32 V	114	3.50	44.60
7	11400.00	62.2 PK	74.0	-11.8	1.04 V	139	9.80	52.40
8	11400.00	48.9 AV	54.0	-5.1	1.04 V	139	-3.50	52.40

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 (40MHz)

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.00 H	241	16.50	43.80
2	5150.00	47.5 AV	54.0	-6.5	1.00 H	241	3.70	43.80
3	*5270.00	105.4 PK			1.03 H	334	61.40	44.00
4	*5270.00	94.6 AV			1.03 H	334	50.60	44.00
5	#10540.00	56.3 PK	74.0	-17.7	1.29 H	64	5.00	51.30
6	#10540.00	44.4 AV	54.0	-9.6	1.29 H	64	-6.90	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	1.00 V	142	17.30	43.80
2	5150.00	48.0 AV	54.0	-6.0	1.00 V	142	4.20	43.80
3	*5270.00	111.4 PK			1.19 V	0	67.40	44.00
4	*5270.00	100.4 AV			1.19 V	0	56.40	44.00
5	#10540.00	61.7 PK	74.0	-12.3	1.02 V	337	10.40	51.30
6	#10540.00	48.0 AV	54.0	-6.0	1.02 V	337	-3.30	51.30

REMARKS:

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



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	103.3 PK			1.04 H	15	59.20	44.10
2	*5310.00	92.9 AV			1.04 H	15	48.80	44.10
3	5350.00	63.3 PK	74.0	-10.7	1.00 H	334	19.20	44.10
4	5350.00	48.7 AV	54.0	-5.3	1.00 H	334	4.60	44.10
5	#10540.00	57.3 PK	74.0	-16.7	1.48 H	136	6.00	51.30
6	#10540.00	44.1 AV	54.0	-9.9	1.48 H	136	-7.20	51.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	107.6 PK			1.42 V	5	63.50	44.10
2	*5310.00	96.4 AV			1.42 V	5	52.30	44.10
3	5350.00	72.4 PK	74.0	-1.6	1.00 V	25	28.30	44.10
4	5350.00	52.4 AV	54.0	-1.6	1.00 V	25	8.30	44.10
5	#10540.00	60.2 PK	74.0	-13.8	1.04 V	15	8.90	51.30
6	#10540.00	47.4 AV	54.0	-6.6	1.04 V	15	-3.90	51.30

REMARKS:

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



A D T

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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.12 H	356	17.50	44.30
2	5460.00	47.1 AV	54.0	-6.9	1.12 H	356	2.80	44.30
3	#5470.00	69.2 PK	74.0	-4.8	1.12 H	356	24.90	44.30
4	#5470.00	51.1 AV	54.0	-2.9	1.12 H	356	6.80	44.30
5	*5510.00	104.4 PK			1.00 H	9	60.00	44.40
6	*5510.00	93.5 AV			1.00 H	9	49.10	44.40
7	11020.00	59.0 PK	74.0	-15.0	1.16 H	220	7.10	51.90
8	11020.00	46.2 AV	54.0	-7.8	1.16 H	220	-5.70	51.90
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	5460.00	62.1 PK	74.0	-11.9	1.00 V	0	17.80	44.30
2	5460.00	47.6 AV	54.0	-6.4	1.00 V	0	3.30	44.30
3	#5470.00	72.5 PK	74.0	-1.5	1.00 V	0	28.20	44.30
4	#5470.00	53.0 AV	54.0	-1.0	1.00 V	0	8.70	44.30
5	*5510.00	107.3 PK			1.00 V	9	62.90	44.40
6	*5510.00	97.3 AV			1.00 V	9	52.90	44.40
7	11020.00	61.1 PK	74.0	-12.9	1.43 V	141	9.20	51.90
8	11020.00	48.3 AV	54.0	-5.7	1.43 V	141	-3.60	51.90

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
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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	108.6 PK			1.00 H	357	64.20	44.40
2	*5550.00	98.3 AV			1.00 H	357	53.90	44.40
3	11100.00	59.3 PK	74.0	-14.7	1.63 H	248	7.40	51.90
4	11100.00	46.2 AV	54.0	-7.8	1.63 H	248	-5.70	51.90
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	*5550.00	113.8 PK			1.00 V	10	69.40	44.40
2	*5550.00	103.4 AV			1.00 V	10	59.00	44.40
3	11100.00	62.4 PK	74.0	-11.6	1.17 V	184	10.50	51.90
4	11100.00	48.6 AV	54.0	-5.4	1.17 V	184	-3.30	51.90

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
5. “ * “: Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.



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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	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	105.7 PK			1.00 H	8	61.20	44.50
2	*5670.00	95.5 AV			1.00 H	8	51.00	44.50
3	#5725.00	60.0 PK	74.0	-14.0	1.00 H	196	15.40	44.60
4	#5725.00	47.7 AV	54.0	-6.3	1.00 H	196	3.10	44.60
5	11340.00	58.6 PK	74.0	-15.4	1.00 H	14	6.20	52.40
6	11340.00	46.6 AV	54.0	-7.4	1.00 H	14	-5.80	52.40
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	5440.00	63.8 PK	74.0	-10.2	1.14 V	12	19.60	44.20
2	5440.00	53.0 AV	54.0	-1.0	1.14 V	12	8.80	44.20
3	*5670.00	111.9 PK			1.00 V	13	67.40	44.50
4	*5670.00	101.7 AV			1.00 V	13	57.20	44.50
5	#5725.00	66.7 PK	74.0	-7.3	1.00 V	2	22.10	44.60
6	#5725.00	50.2 AV	54.0	-3.8	1.00 V	2	5.60	44.60
7	11340.00	61.4 PK	74.0	-12.6	1.42 V	111	9.00	52.40
8	11340.00	48.7 AV	54.0	-5.3	1.42 V	111	-3.70	52.40

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.



A D T

BELOW 1GHz WORST-CASE DATA :

TEST MODE A

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	144.46	39.9 QP	43.5	-3.6	1.24 H	92	26.60	13.30
2	165.80	40.2 QP	43.5	-3.3	1.00 H	189	26.90	13.30
3	233.70	33.8 QP	46.0	-12.2	1.50 H	104	21.80	12.00
4	297.72	33.5 QP	46.0	-12.5	1.24 H	184	19.10	14.40
5	697.36	38.9 QP	46.0	-7.1	1.00 H	72	15.20	23.70
6	796.30	34.5 QP	46.0	-11.5	1.99 H	240	9.20	25.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	33.88	34.6 QP	40.0	-5.4	1.24 V	214	21.60	13.00
2	99.84	39.2 QP	43.5	-4.3	1.00 V	251	29.40	9.80
3	165.80	41.5 QP	43.5	-2.0	1.50 V	231	28.20	13.30
4	336.52	24.8 QP	46.0	-21.2	1.24 V	212	9.30	15.50
5	697.36	35.6 QP	46.0	-10.4	1.00 V	116	11.90	23.70
6	949.56	33.3 QP	46.0	-12.7	1.50 V	46	6.00	27.30

REMARKS:

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



A D T

TEST MODE B

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	97.90	39.7 QP	43.5	-3.8	1.99 H	26	30.10	9.60
2	231.76	35.8 QP	46.0	-10.2	1.49 H	216	23.80	12.00
3	299.66	34.9 QP	46.0	-11.1	1.00 H	166	20.40	14.50
4	431.58	31.2 QP	46.0	-14.8	1.49 H	119	13.10	18.10
5	664.38	36.9 QP	46.0	-9.1	1.24 H	357	13.70	23.20
6	897.18	35.1 QP	46.0	-10.9	1.24 H	145	8.30	26.80

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	165.80	35.5 QP	43.5	-8.0	1.25 V	136	22.20	13.30
2	200.72	32.4 QP	43.5	-11.1	1.00 V	128	21.90	10.50
3	299.66	30.7 QP	46.0	-15.3	1.00 V	132	16.20	14.50
4	666.32	30.9 QP	46.0	-15.1	1.00 V	43	7.60	23.30
5	811.82	30.4 QP	46.0	-15.6	1.50 V	196	4.90	25.50
6	897.18	33.2 QP	46.0	-12.8	2.00 V	118	6.40	26.80

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

TEST MODE C
802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 110	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	111.48	36.0 QP	43.5	-7.5	1.24 H	21	25.10	10.90
2	165.80	42.0 QP	43.5	-1.5	1.00 H	70	28.70	13.30
3	241.46	34.4 QP	46.0	-11.6	1.50 H	214	22.00	12.40
4	297.72	35.4 QP	46.0	-10.6	1.00 H	103	21.00	14.40
5	666.32	34.5 QP	46.0	-11.5	1.24 H	44	11.20	23.30
6	697.36	34.5 QP	46.0	-11.5	1.50 H	13	10.80	23.70
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	64.92	39.0 QP	40.0	-1.0	1.24 V	248	27.10	11.90
2	99.84	42.1 QP	43.5	-1.4	1.00 V	225	32.30	9.80
3	165.80	34.2 QP	43.5	-9.3	1.50 V	128	20.90	13.30
4	200.72	32.0 QP	43.5	-11.5	1.00 V	104	21.50	10.50
5	551.86	32.0 QP	46.0	-14.0	1.24 V	10	10.80	21.20
6	904.94	32.0 QP	46.0	-14.0	1.50 V	48	5.10	26.90

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

TEST MODE D
802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	70.74	27.2 QP	40.0	-12.8	1.50 H	67	16.10	11.10
2	144.46	38.0 QP	43.5	-5.5	1.00 H	91	24.70	13.30
3	165.80	39.1 QP	43.5	-4.4	1.24 H	83	25.80	13.30
4	233.70	30.1 QP	46.0	-15.9	1.24 H	121	18.10	12.00
5	299.66	32.4 QP	46.0	-13.6	1.00 H	102	17.90	14.50
6	701.24	39.0 QP	46.0	-7.0	1.00 H	147	15.30	23.70

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	70.74	27.0 QP	40.0	-13.0	1.00 V	233	15.90	11.10
2	99.84	30.1 QP	43.5	-13.4	1.00 V	104	20.30	9.80
3	134.76	31.2 QP	43.5	-12.3	1.24 V	21	18.40	12.80
4	165.80	30.9 QP	43.5	-12.6	1.00 V	318	17.60	13.30
5	431.58	28.4 QP	46.0	-17.6	1.50 V	143	10.30	18.10
6	697.36	35.5 QP	46.0	-10.5	1.99 V	109	11.80	23.70

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

TEST MODE E
802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Chris Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	70.74	31.9 QP	40.0	-8.1	1.50 H	192	20.80	11.10
2	99.84	32.9 QP	43.5	-10.6	2.00 H	203	23.10	9.80
3	144.01	40.5 QP	43.5	-3.0	1.30 H	108	27.20	13.30
4	233.70	30.9 QP	46.0	-15.1	1.00 H	114	18.90	12.00
5	297.72	33.4 QP	46.0	-12.6	1.25 H	12	19.00	14.40
6	701.24	39.3 QP	46.0	-6.7	1.00 H	72	15.60	23.70

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	30.00	26.4 QP	40.0	-13.6	1.49 V	183	14.00	12.40
2	70.74	27.2 QP	40.0	-12.8	1.99 V	101	16.10	11.10
3	99.84	29.8 QP	43.5	-13.7	1.24 V	198	20.00	9.80
4	144.46	35.8 QP	43.5	-7.7	1.00 V	167	22.50	13.30
5	431.58	32.1 QP	46.0	-13.9	1.24 V	94	14.00	18.10
6	701.24	35.1 QP	46.0	-10.9	1.99 V	106	11.40	23.70

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

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

- NOTE:** 1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Nov. 09, 2012	Nov. 08, 2013
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 28, 2012	Dec. 27, 2013
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 21, 2012	Dec. 20, 2013
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Jul. 06, 2012	Jul. 05, 2013
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HwaYa Shielded Room 2.
 3. The VCCI Site Registration No. is C-2047.

4.2.3 TEST PROCEDURES

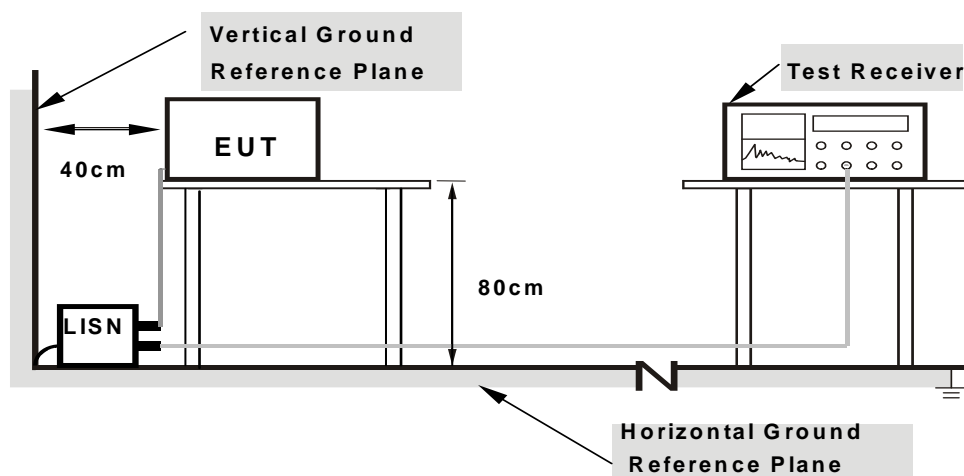
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance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

TEST MODE A

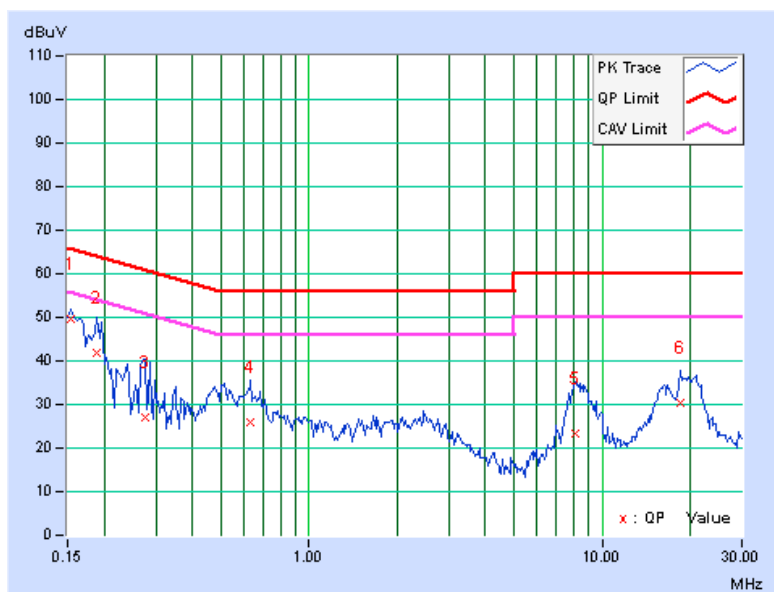
802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 52		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.17	49.41	38.44	49.58	38.61	65.79	55.79	-16.20	-17.17
2	0.18906	0.17	41.78	32.10	41.95	32.27	64.08	54.08	-22.13	-21.81
3	0.27500	0.19	26.89	16.06	27.08	16.25	60.97	50.97	-33.89	-34.72
4	0.63438	0.23	25.85	16.33	26.08	16.56	56.00	46.00	-29.92	-29.44
5	8.07813	0.41	23.08	19.73	23.49	20.14	60.00	50.00	-36.51	-29.86
6	18.54688	0.61	29.76	18.80	30.37	19.41	60.00	50.00	-29.63	-30.59

REMARKS:

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

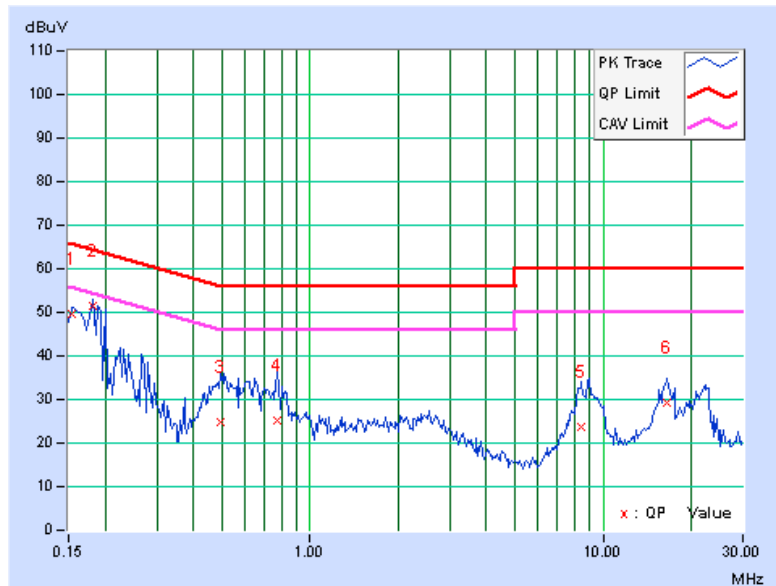


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 52		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.18	49.45	38.14	49.63	38.32	65.79	55.79	-16.15	-17.46
2	0.18125	0.18	51.28	29.49	51.46	29.67	64.43	54.43	-12.97	-24.76
3	0.49766	0.25	24.62	18.44	24.87	18.69	56.04	46.04	-31.17	-27.35
4	0.77500	0.24	24.79	16.49	25.03	16.73	56.00	46.00	-30.97	-29.27
5	8.41797	0.46	23.41	20.31	23.87	20.77	60.00	50.00	-36.13	-29.23
6	16.52734	0.64	28.48	26.86	29.12	27.50	60.00	50.00	-30.88	-22.50

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





TEST MODE B

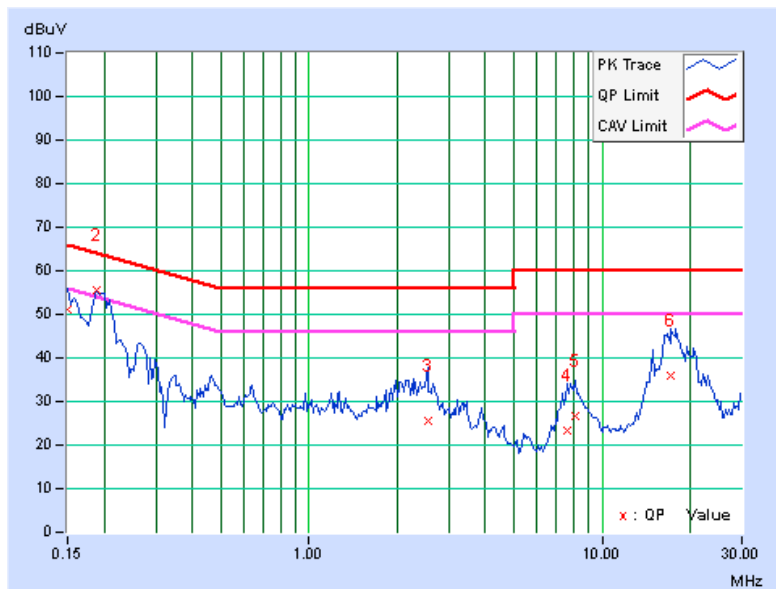
802.11n (40MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 54		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.18	50.97	40.17	51.15	40.35	66.00	56.00	-14.85	-15.65
2	0.18906	0.17	55.53	46.35	55.70	46.52	64.08	54.08	-8.38	-7.56
3	2.55078	0.30	25.42	18.23	25.72	18.53	56.00	46.00	-30.28	-27.47
4	7.59766	0.41	22.87	17.46	23.28	17.87	60.00	50.00	-36.72	-32.13
5	8.08594	0.41	26.29	20.95	26.70	21.36	60.00	50.00	-33.30	-28.64
6	17.23828	0.58	35.31	29.20	35.89	29.78	60.00	50.00	-24.11	-20.22

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

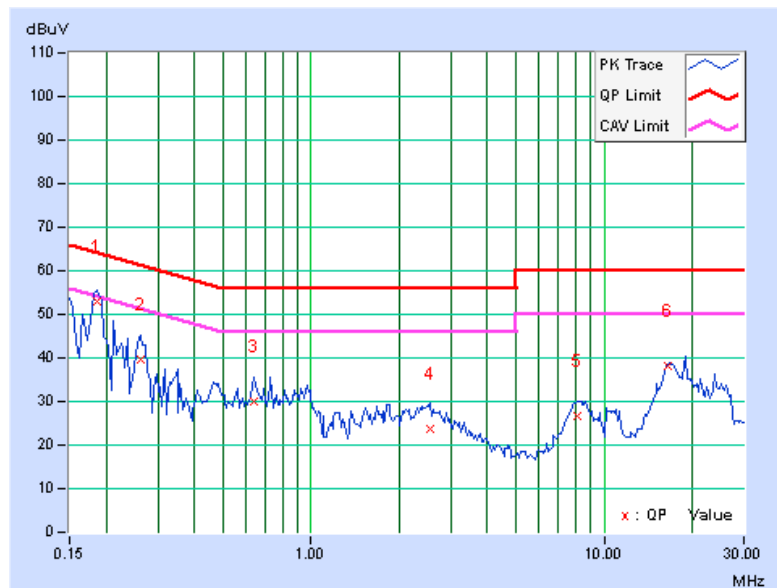


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 54		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18516	0.18	52.83	42.67	53.01	42.85	64.25	54.25	-11.24	-11.40
2	0.26328	0.20	39.57	28.63	39.77	28.83	61.33	51.33	-21.56	-22.50
3	0.64219	0.24	29.76	14.61	30.00	14.85	56.00	46.00	-26.00	-31.15
4	2.53516	0.31	23.39	18.65	23.70	18.96	56.00	46.00	-32.30	-27.04
5	8.06641	0.45	26.20	21.06	26.65	21.51	60.00	50.00	-33.35	-28.49
6	16.42578	0.64	37.50	27.41	38.14	28.05	60.00	50.00	-21.86	-21.95

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



TEST MODE C

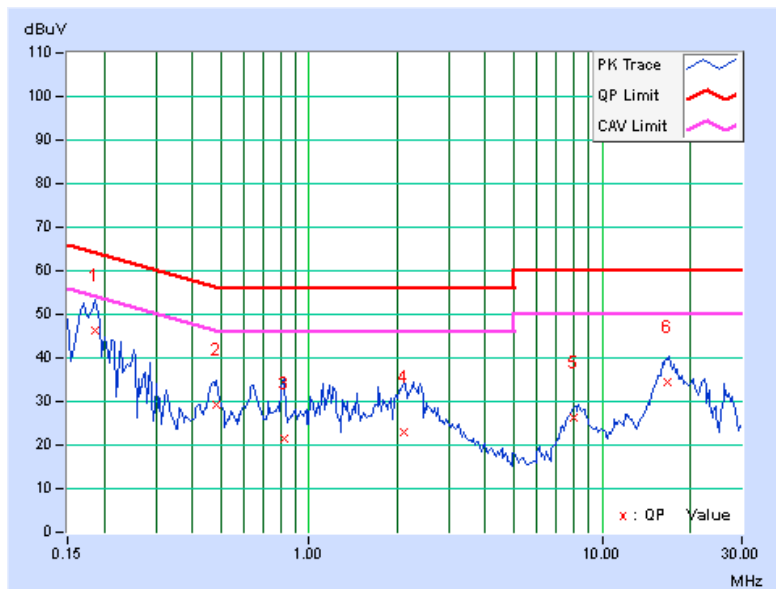
802.11n (40MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 110		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18516	0.17	46.20	28.86	46.37	29.03	64.25	54.25	-17.88	-25.22
2	0.48203	0.22	29.06	18.13	29.28	18.35	56.30	46.30	-27.03	-27.96
3	0.82578	0.25	21.23	15.13	21.48	15.38	56.00	46.00	-34.52	-30.62
4	2.10156	0.28	22.54	18.37	22.82	18.65	56.00	46.00	-33.18	-27.35
5	8.00391	0.41	25.84	17.42	26.25	17.83	60.00	50.00	-33.75	-32.17
6	16.73438	0.57	34.05	33.41	34.62	33.98	60.00	50.00	-25.38	-16.02

REMARKS:

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





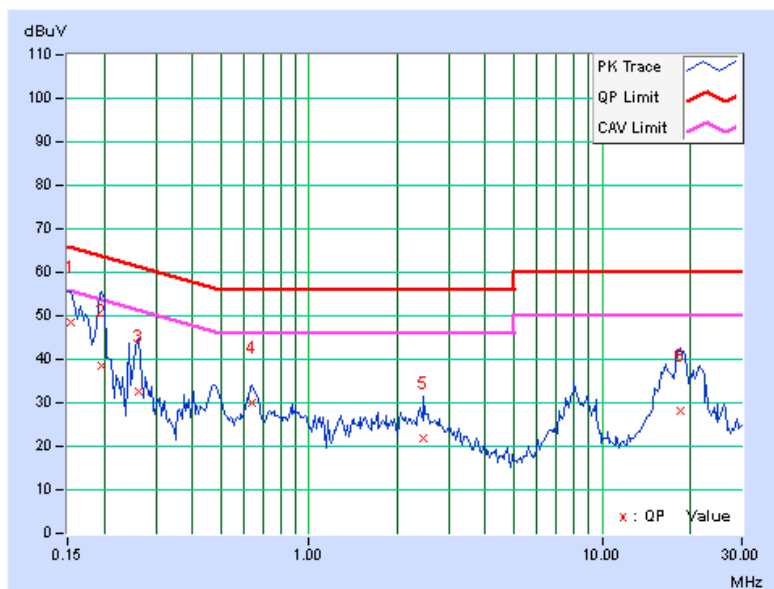
A D T

PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 110		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.18	48.22	24.82	48.40	25.00	65.79	55.79	-17.38	-30.78
2	0.19687	0.18	38.19	32.09	38.37	32.27	63.74	53.74	-25.37	-21.47
3	0.26328	0.20	32.43	17.52	32.63	17.72	61.33	51.33	-28.70	-33.61
4	0.63828	0.24	29.79	18.51	30.03	18.75	56.00	46.00	-25.97	-27.25
5	2.45703	0.31	21.57	18.70	21.88	19.01	56.00	46.00	-34.12	-26.99
6	18.50781	0.69	27.48	21.96	28.17	22.65	60.00	50.00	-31.83	-27.35

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





TEST MODE D

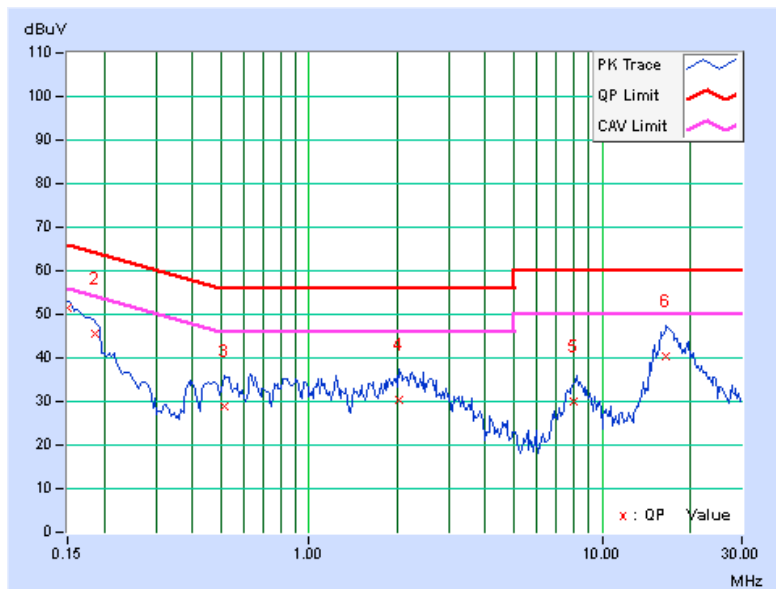
802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 52		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.18	51.30	32.11	51.48	32.29	66.00	56.00	-14.52	-23.71
2	0.18516	0.17	45.57	34.36	45.74	34.53	64.25	54.25	-18.51	-19.72
3	0.51328	0.22	28.84	18.74	29.06	18.96	56.00	46.00	-26.94	-27.04
4	2.03516	0.28	30.11	17.23	30.39	17.51	56.00	46.00	-25.61	-28.49
5	7.98828	0.41	29.51	20.71	29.92	21.12	60.00	50.00	-30.08	-28.88
6	16.53516	0.57	39.96	34.23	40.53	34.80	60.00	50.00	-19.47	-15.20

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





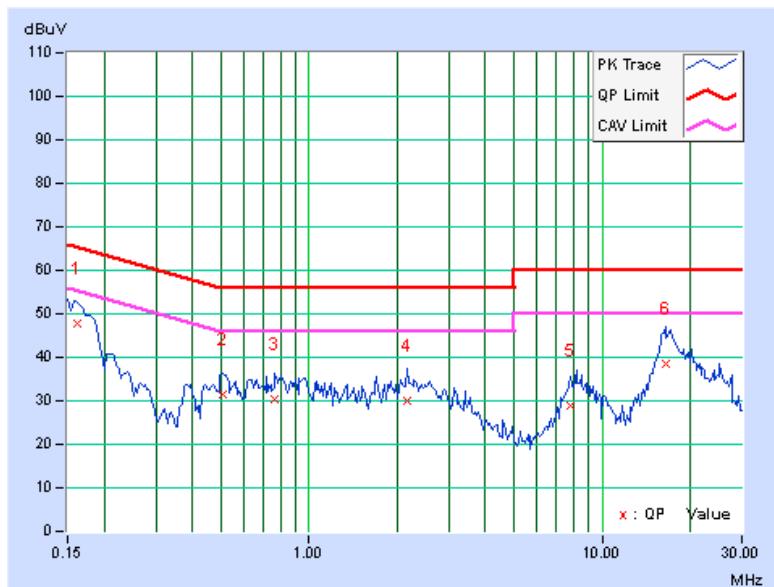
A D T

PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 52		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.18	47.45	27.40	47.63	27.58	65.38	55.38	-17.74	-27.79
2	0.50547	0.25	31.06	19.36	31.31	19.61	56.00	46.00	-24.69	-26.39
3	0.76719	0.24	30.05	16.01	30.29	16.25	56.00	46.00	-25.71	-29.75
4	2.17578	0.29	29.84	18.56	30.13	18.85	56.00	46.00	-25.87	-27.15
5	7.80078	0.45	28.30	19.66	28.75	20.11	60.00	50.00	-31.25	-29.89
6	16.43359	0.64	37.74	32.40	38.38	33.04	60.00	50.00	-21.62	-16.96

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





TEST MODE E

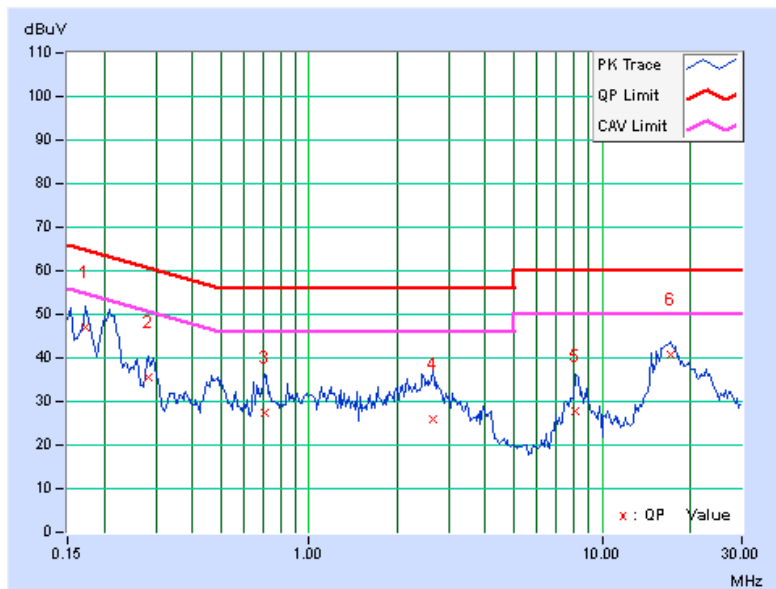
802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 52		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.17	46.96	35.12	47.13	35.29	64.79	54.79	-17.66	-19.50
2	0.28281	0.19	35.36	17.32	35.55	17.51	60.73	50.73	-25.19	-33.23
3	0.70469	0.24	27.32	14.02	27.56	14.26	56.00	46.00	-28.44	-31.74
4	2.65234	0.31	25.59	20.14	25.90	20.45	56.00	46.00	-30.10	-25.55
5	8.15234	0.41	27.36	21.39	27.77	21.80	60.00	50.00	-32.23	-28.20
6	17.14063	0.58	40.27	32.90	40.85	33.48	60.00	50.00	-19.15	-16.52

REMARKS:

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

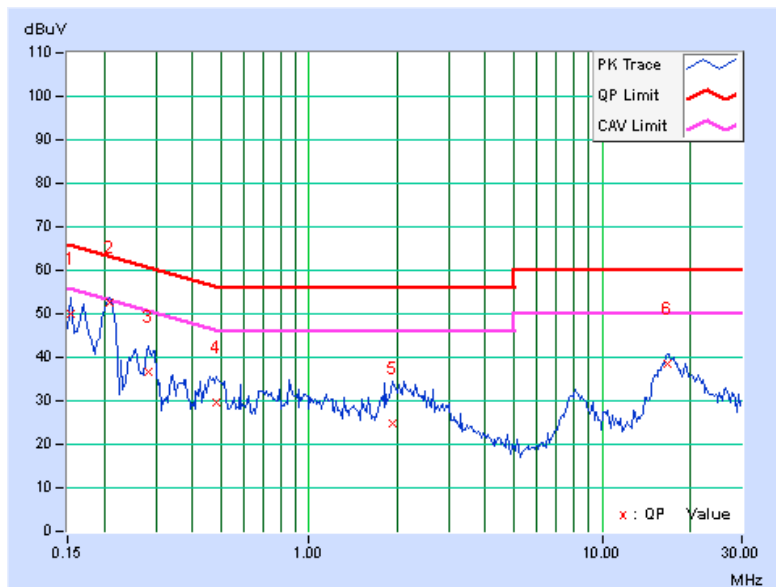


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 52		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.18	49.86	24.66	50.04	24.84	65.79	55.79	-15.74	-30.94
2	0.20859	0.18	52.37	43.34	52.55	43.52	63.26	53.26	-10.71	-9.74
3	0.28281	0.21	36.41	19.68	36.62	19.89	60.73	50.73	-24.11	-30.84
4	0.48203	0.25	29.32	21.34	29.57	21.59	56.30	46.30	-26.74	-24.72
5	1.91797	0.28	24.65	18.79	24.93	19.07	56.00	46.00	-31.07	-26.93
6	16.62109	0.65	37.98	29.21	38.63	29.86	60.00	50.00	-21.37	-20.14

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
5.250 ~ 5.350GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.470 ~ 5.725GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB

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

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

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

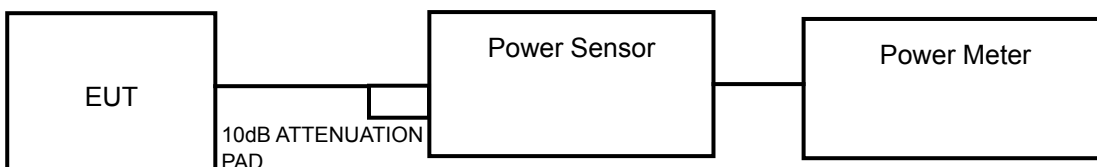
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any NANT;

Array Gain = 5 log(NANT/NSS) dB or 3 dB, whichever is less for 20-MHz channel widths with NANT ≥ 5.

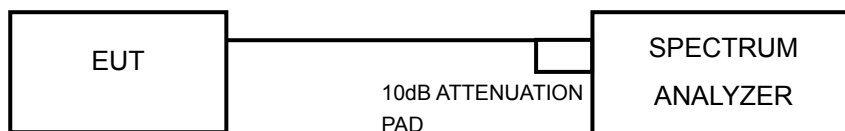
For power measurements on all other devices: Array Gain = 10 log(NANT/NSS) dB.

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 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:

TEST MODE A

802.11a

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	17.93	17.68	17.98	183.507	22.64	24	PASS
60	5300	17.56	17.24	17.48	165.958	22.20	24	PASS
64	5320	16.00	16.44	16.84	132.172	21.21	24	PASS
100	5500	15.67	14.69	14.57	94.984	19.78	24	PASS
116	5580	17.87	17.36	17.74	175.114	22.43	24	PASS
140	5700	15.79	15.69	15.01	106.695	20.28	24	PASS

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	17.92	17.38	17.64	174.722	22.42	24	PASS
60	5300	17.86	17.50	17.71	176.348	22.46	24	PASS
64	5320	15.83	15.49	15.84	112.053	20.49	24	PASS
100	5500	15.15	14.05	15.84	96.515	19.85	24	PASS
116	5580	17.70	17.33	17.50	169.193	22.28	24	PASS
140	5700	15.22	15.27	14.83	97.326	19.88	24	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
54	5270	15.86	15.74	15.93	115.219	20.62	24	PASS
62	5310	11.83	12.23	12.25	48.740	16.88	24	PASS
102	5510	10.87	10.23	10.65	34.376	15.36	24	PASS
110	5550	15.82	15.56	15.53	109.896	20.41	24	PASS
134	5670	15.79	15.46	15.59	109.311	20.39	24	PASS

TEST MODE B

802.11a

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	15.23	15.30	15.02	98.996	19.96	24	PASS
60	5300	15.30	15.22	15.15	99.884	19.99	24	PASS
64	5320	15.28	15.22	15.30	100.879	20.04	24	PASS
100	5500	15.13	14.88	14.79	93.475	19.71	24	PASS
116	5580	14.86	14.97	14.20	88.328	19.46	24	PASS
140	5700	15.08	14.98	14.80	93.888	19.73	24	PASS

NOTE: Antenna 2 gain = 11.5-6 (internal attenuator) = 5.5dBi

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	15.86	15.75	15.33	110.251	20.42	24	PASS
60	5300	15.30	15.36	15.40	102.914	20.12	24	PASS
64	5320	15.76	15.30	14.59	100.328	20.01	24	PASS
100	5500	15.14	14.89	14.59	92.265	19.65	24	PASS
116	5580	15.13	15.30	15.31	100.431	20.02	24	PASS
140	5700	15.20	15.46	15.33	102.388	20.10	24	PASS

NOTE: Antenna 2 gain = 11.5-6 (internal attenuator) = 5.5dBi

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
54	5270	15.86	15.56	15.79	112.454	20.51	24	PASS
62	5310	11.43	12.85	12.79	52.186	17.18	24	PASS
102	5510	10.42	10.59	10.02	32.516	15.12	24	PASS
110	5550	15.92	15.50	15.68	111.548	20.47	24	PASS
134	5670	15.86	15.43	15.50	108.943	20.37	24	PASS

NOTE: Antenna 2 gain = 11.5-6 (internal attenuator) = 5.5dBi



TEST MODE C

802.11a

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	14.87	14.91	14.67	90.973	19.59	24	PASS
60	5300	15.10	14.96	14.87	94.382	19.75	24	PASS
64	5320	14.97	14.97	15.05	94.799	19.77	24	PASS
100	5500	14.84	14.53	14.47	86.848	19.39	24	PASS
116	5580	14.84	14.53	14.47	86.848	19.39	24	PASS
140	5700	14.85	14.69	14.53	88.372	19.46	24	PASS

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	15.27	15.18	14.81	96.881	19.86	24	PASS
60	5300	15.30	15.36	15.40	102.914	20.12	24	PASS
64	5320	15.76	15.30	15.24	104.974	20.21	24	PASS
100	5500	15.26	15.14	15.02	98.002	19.91	24	PASS
116	5580	14.82	15.02	15.04	94.023	19.73	24	PASS
140	5700	15.20	15.46	15.33	102.388	20.10	24	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
54	5270	15.86	15.56	15.29	108.329	20.35	24	PASS
62	5310	12.34	12.29	12.11	50.338	17.02	24	PASS
102	5510	11.48	11.23	10.89	39.608	15.98	24	PASS
110	5550	15.92	15.50	15.68	111.548	20.47	24	PASS
134	5670	15.86	15.43	15.80	111.481	20.47	24	PASS



TEST MODE D

802.11a

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	18.00	17.80	18.60	195.796	22.92	24	PASS
60	5300	18.00	17.60	18.80	196.498	22.93	24	PASS
64	5320	16.83	17.20	17.17	152.795	21.84	24	PASS
100	5500	16.07	15.26	15.09	106.317	20.27	24	PASS
116	5580	18.00	17.80	17.90	185.012	22.67	24	PASS
140	5700	16.65	16.23	16.07	128.672	21.09	24	PASS

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	18.10	18.10	18.90	206.755	23.15	24	PASS
60	5300	18.10	17.60	18.80	197.967	22.97	24	PASS
64	5320	16.28	16.55	16.30	130.306	21.15	24	PASS
100	5500	15.32	14.71	14.61	92.528	19.66	24	PASS
116	5580	17.70	17.50	18.80	190.976	22.81	24	PASS
140	5700	16.46	16.09	15.96	124.349	20.95	24	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
54	5270	15.86	15.74	15.93	115.219	20.62	24	PASS
62	5310	12.37	12.89	13.03	56.803	17.54	24	PASS
102	5510	11.56	10.25	10.45	36.007	15.56	24	PASS
110	5550	15.82	15.56	15.53	109.896	20.41	24	PASS
134	5670	15.79	15.46	15.59	109.311	20.39	24	PASS



TEST MODE E

802.11a

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	15.66	15.68	15.36	108.152	20.34	24	PASS
60	5300	15.73	15.65	15.93	113.313	20.54	24	PASS
64	5320	15.86	15.70	15.58	111.843	20.49	24	PASS
100	5500	15.12	14.02	14.20	84.047	19.25	24	PASS
116	5580	15.44	15.62	15.48	106.788	20.29	24	PASS
140	5700	12.47	12.38	12.34	52.098	17.17	24	PASS

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
52	5260	16.21	16.02	15.82	119.971	20.79	24	PASS
60	5300	15.89	15.77	15.80	114.591	20.59	24	PASS
64	5320	16.15	15.80	15.76	116.899	20.68	24	PASS
100	5500	14.74	13.92	14.69	83.889	19.24	24	PASS
116	5580	15.64	15.88	15.76	113.040	20.53	24	PASS
140	5700	12.24	12.26	12.37	50.834	17.06	24	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
54	5270	15.86	15.56	15.79	112.454	20.51	24	PASS
62	5310	11.63	11.49	11.80	43.784	16.41	24	PASS
102	5510	9.82	11.49	10.98	36.218	15.59	24	PASS
110	5550	15.92	15.50	15.68	111.548	20.47	24	PASS
134	5670	15.86	15.43	15.50	108.943	20.37	24	PASS



26dB BANDWIDTH:

TEST MODE A

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	38.65	36.62	36.61	PASS
60	5300	36.04	34.53	36.42	PASS
64	5320	34.52	34.62	36.04	PASS
100	5500	40.13	32.26	36.13	PASS
116	5580	37.98	37.72	36.13	PASS
140	5700	36.38	35.09	34.77	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	38.31	43.42	33.61	PASS
60	5300	38.93	39.52	35.30	PASS
64	5320	40.09	36.31	35.90	PASS
100	5500	42.76	37.76	38.69	PASS
116	5580	39.55	37.36	39.26	PASS
140	5700	40.84	35.72	38.80	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
54	5270	87.53	81.10	57.25	PASS
62	5310	83.12	79.70	64.42	PASS
102	5510	91.46	83.68	55.00	PASS
110	5550	87.58	84.06	82.55	PASS
134	5670	81.88	70.26	74.58	PASS

**TEST MODE B****802.11a**

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	29.18	28.54	21.10	PASS
60	5300	26.45	23.34	21.97	PASS
64	5320	26.92	24.17	21.23	PASS
100	5500	30.14	22.85	21.65	PASS
116	5580	28.21	20.31	26.67	PASS
140	5700	24.55	20.54	24.05	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	30.13	26.61	21.85	PASS
60	5300	26.79	25.05	22.03	PASS
64	5320	27.62	22.66	21.77	PASS
100	5500	34.77	27.57	27.71	PASS
116	5580	29.56	22.95	27.54	PASS
140	5700	23.02	20.76	25.23	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
54	5270	82.53	82.49	60.92	PASS
62	5310	80.92	76.49	90.84	PASS
102	5510	91.88	79.70	84.96	PASS
110	5550	87.95	80.21	81.64	PASS
134	5670	83.97	70.63	80.52	PASS



TEST MODE C

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	26.89	24.18	19.62	PASS
60	5300	27.27	23.46	21.26	PASS
64	5320	24.00	23.92	22.86	PASS
100	5500	28.09	21.06	20.32	PASS
116	5580	25.31	20.91	23.52	PASS
140	5700	21.42	20.32	20.74	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	27.89	25.85	20.89	PASS
60	5300	27.65	23.21	20.76	PASS
64	5320	25.90	25.63	24.14	PASS
100	5500	33.16	26.32	24.45	PASS
116	5580	28.54	22.02	26.90	PASS
140	5700	22.35	21.75	23.25	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
54	5270	81.70	82.71	66.81	PASS
62	5310	80.52	75.32	66.70	PASS
102	5510	89.78	82.89	81.30	PASS
110	5550	88.71	78.89	82.63	PASS
134	5670	83.29	59.50	80.90	PASS



TEST MODE D

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	40.49	36.77	36.55	PASS
60	5300	37.97	36.72	39.91	PASS
64	5320	39.78	35.83	37.96	PASS
100	5500	41.67	38.96	38.00	PASS
116	5580	42.68	37.35	37.71	PASS
140	5700	39.91	37.02	37.60	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	40.73	40.73	40.11	PASS
60	5300	40.51	38.70	37.66	PASS
64	5320	41.72	36.49	38.33	PASS
100	5500	44.80	40.84	35.98	PASS
116	5580	42.49	42.37	40.71	PASS
140	5700	43.57	37.97	39.48	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
54	5270	76.43	81.65	62.25	PASS
62	5310	79.03	78.27	64.69	PASS
102	5510	89.96	81.20	86.66	PASS
110	5550	88.81	80.44	86.28	PASS
134	5670	87.04	70.95	82.11	PASS



TEST MODE E

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	30.09	28.31	24.07	PASS
60	5300	29.73	28.24	22.33	PASS
64	5320	30.50	30.24	21.43	PASS
100	5500	31.13	31.81	25.61	PASS
116	5580	27.32	29.65	24.84	PASS
140	5700	23.65	20.12	24.00	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
52	5260	34.99	24.86	22.61	PASS
60	5300	31.74	27.31	24.04	PASS
64	5320	33.86	26.11	21.46	PASS
100	5500	34.58	26.53	28.54	PASS
116	5580	32.31	26.39	26.08	PASS
140	5700	25.49	22.38	27.07	PASS

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
54	5270	84.53	77.85	60.22	PASS
62	5310	80.97	74.47	62.14	PASS
102	5510	88.89	84.43	80.88	PASS
110	5550	89.65	86.08	83.05	PASS
134	5670	84.65	68.44	74.99	PASS

EUT HIGHEST CONDUCTED POWER

TEST MODE A

802.11a

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	183.507	22.64
5470~5725	175.114	22.43

802.11n (20MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	176.348	22.46
5470~5725	169.193	22.28

802.11n (40MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	115.219	20.62
5470~5725	109.896	20.41

TEST MODE B

802.11a

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	100.879	20.04
5470~5725	93.888	19.73

802.11n (20MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	110.251	20.42
5470~5725	102.388	20.10

802.11n (40MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	112.454	20.51
5470~5725	111.548	20.47



A D T

TEST MODE C

802.11a

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	94.799	19.77
5470~5725	88.372	19.46

802.11n (20MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	104.974	20.21
5470~5725	102.388	20.10

802.11n (40MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	108.329	20.35
5470~5725	111.548	20.47

TEST MODE D

802.11a

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	196.498	22.93
5470~5725	185.012	22.67

802.11n (20MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	206.755	23.15
5470~5725	190.976	22.81

802.11n (40MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	115.219	20.62
5470~5725	109.896	20.41

TEST MODE E

802.11a

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	113.313	20.54
5470~5725	106.788	20.29

802.11n (20MHz)

FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	119.971	20.79
5470~5725	113.040	20.53

802.11n (40MHz)

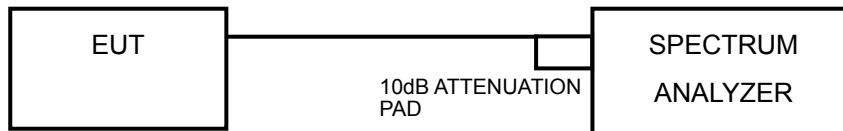
FREQUENCY BAND (MHz)	MAX. POWER	
	OUTPUT POWER (mW)	OUTPUT POWER (dBm)
5250~5350	112.454	20.51
5470~5725	111.548	20.47

4.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

4.4.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

FREQUENCY BAND	LIMIT
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

Using method SA-2

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 30 KHz, Set VBW \geq 1 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max value and add 10 log (1/duty cycle)

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

TEST MODE A

802.11a

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	3.98	4.09	3.94	8.77	0.14	8.91	9.23	PASS
60	5300	3.98	3.55	3.63	8.50	0.14	8.64	9.23	PASS
64	5320	3.72	3.52	3.25	8.27	0.14	8.41	9.23	PASS
100	5500	3.55	3.36	3.88	8.37	0.14	8.51	9.23	PASS
116	5580	3.74	3.59	3.93	8.53	0.14	8.67	9.23	PASS
140	5700	4.01	3.65	3.87	8.62	0.14	8.76	9.23	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. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (7.77 - 6) = 9.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	3.63	4.41	4.68	9.03	0.16	9.19	9.23	PASS
60	5300	3.78	3.78	4.28	8.72	0.16	8.88	9.23	PASS
64	5320	3.75	3.56	3.96	8.53	0.16	8.69	9.23	PASS
100	5500	4.02	3.69	3.56	8.53	0.16	8.69	9.23	PASS
116	5580	3.98	3.50	3.85	8.55	0.16	8.71	9.23	PASS
140	5700	3.96	3.49	3.97	8.58	0.16	8.74	9.23	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. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (7.77 - 6) = 9.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11n (40MHz)**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
54	5270	-1.48	-1.91	-1.93	3.00	0.22	3.22	9.23	PASS
62	5310	-1.89	-2.47	-2.04	2.64	0.22	2.86	9.23	PASS
102	5510	-0.82	-1.50	-3.15	3.05	0.22	3.27	9.23	PASS
110	5550	-1.63	-1.82	-1.01	3.30	0.22	3.52	9.23	PASS
134	5670	-1.37	-2.53	-1.40	3.04	0.22	3.26	9.23	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. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (7.77 - 6) = 9.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

**TEST MODE B****802.11a**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	1.82	1.64	1.88	6.55	0.15	6.70	6.73	PASS
60	5300	1.78	1.54	1.84	6.49	0.15	6.64	6.73	PASS
64	5320	1.40	1.43	2.02	6.40	0.15	6.55	6.73	PASS
100	5500	1.43	1.24	1.63	6.21	0.15	6.36	6.73	PASS
116	5580	1.82	0.89	1.52	6.20	0.15	6.35	6.73	PASS
140	5700	1.68	1.23	1.66	6.30	0.15	6.45	6.73	PASS

NOTE:

- 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.
- Directional gain = $5.5\text{dBi} + 10\log(3) = 10.27\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (10.27 - 6) = 6.73\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	1.80	1.81	1.80	6.57	0.15	6.72	6.73	PASS
60	5300	1.58	1.52	1.77	6.40	0.15	6.55	6.73	PASS
64	5320	1.54	1.05	1.50	6.14	0.15	6.29	6.73	PASS
100	5500	1.83	2.02	1.53	6.57	0.15	6.72	6.73	PASS
116	5580	2.04	1.18	1.63	6.40	0.15	6.55	6.73	PASS
140	5700	1.52	1.11	1.13	6.03	0.15	6.18	6.73	PASS

NOTE:

- 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.
- Directional gain = $5.5\text{dBi} + 10\log(3) = 10.27\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (10.27 - 6) = 6.73\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

**802.11n (40MHz)**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
54	5270	-1.40	-1.39	-1.36	3.39	0.22	3.61	6.73	PASS
62	5310	-2.15	-2.99	0.70	3.59	0.22	3.81	6.73	PASS
102	5510	-0.96	-0.85	-0.87	3.88	0.22	4.10	6.73	PASS
110	5550	-1.34	-1.56	-0.79	3.55	0.22	3.77	6.73	PASS
134	5670	-1.55	-2.61	-1.46	2.93	0.22	3.15	6.73	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. Directional gain = $5.5\text{dBi} + 10\log(3) = 10.27\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (10.27 - 6) = 6.73\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

**TEST MODE C****802.11a**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	1.16	1.30	1.31	6.03	0.15	6.18	6.23	PASS
60	5300	1.01	1.39	1.47	6.07	0.15	6.22	6.23	PASS
64	5320	1.24	1.35	1.22	6.04	0.15	6.19	6.23	PASS
100	5500	1.25	1.14	1.28	6.00	0.15	6.15	6.23	PASS
116	5580	1.55	0.20	1.84	6.02	0.15	6.17	6.23	PASS
140	5700	1.36	0.79	1.54	6.01	0.15	6.16	6.23	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. Directional gain = 6dBi + 10log(3) = 10.77dBi > 6dBi , so the power density limit shall be reduced to 11-(10.77-6) = 6.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	1.09	1.35	1.34	6.03	0.16	6.19	6.23	PASS
60	5300	1.01	1.21	1.42	5.99	0.16	6.15	6.23	PASS
64	5320	1.03	1.28	1.48	6.04	0.16	6.20	6.23	PASS
100	5500	1.07	1.36	1.15	5.97	0.16	6.13	6.23	PASS
116	5580	1.05	0.55	1.64	5.87	0.16	6.03	6.23	PASS
140	5700	1.37	0.70	1.40	5.94	0.16	6.10	6.23	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. Directional gain = 6dBi + 10log(3) = 10.77dBi > 6dBi , so the power density limit shall be reduced to 11-(10.77-6) = 6.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11n (40MHz)**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
54	5270	-1.36	-1.40	-0.99	3.53	0.22	3.75	6.23	PASS
62	5310	-1.79	-1.82	-1.71	3.00	0.22	3.22	6.23	PASS
102	5510	-0.90	-0.81	-0.60	4.00	0.22	4.22	6.23	PASS
110	5550	-1.02	-1.19	-0.56	3.86	0.22	4.08	6.23	PASS
134	5670	-1.99	-2.68	-0.91	2.97	0.22	3.19	6.23	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. Directional gain = $6\text{dBi} + 10\log(3) = 10.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (10.77 - 6) = 6.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

**TEST MODE D****802.11a**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	5.25	4.84	5.68	10.04	0.15	10.19	10.23	PASS
60	5300	5.04	3.68	5.45	9.56	0.15	9.71	10.23	PASS
64	5320	5.05	4.53	5.32	9.75	0.15	9.90	10.23	PASS
100	5500	4.26	4.65	4.52	9.25	0.15	9.40	10.23	PASS
116	5580	4.39	4.33	4.47	9.17	0.15	9.32	10.23	PASS
140	5700	4.91	4.05	4.71	9.34	0.15	9.49	10.23	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. Directional gain = $2\text{dBi} + 10\log(3) = 6.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.77 - 6) = 10.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	4.94	4.88	5.83	10.01	0.15	10.16	10.23	PASS
60	5300	4.50	4.11	5.40	9.48	0.15	9.63	10.23	PASS
64	5320	4.45	3.90	4.87	9.20	0.15	9.35	10.23	PASS
100	5500	3.73	4.21	4.60	8.97	0.15	9.12	10.23	PASS
116	5580	3.78	3.51	3.72	8.44	0.15	8.59	10.23	PASS
140	5700	4.51	4.28	3.92	9.01	0.15	9.16	10.23	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. Directional gain = $2\text{dBi} + 10\log(3) = 6.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.77 - 6) = 10.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11n (40MHz)**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
54	5270	-1.63	-1.50	-2.44	2.93	0.23	3.16	10.23	PASS
62	5310	-1.95	-1.98	-1.86	2.84	0.23	3.07	10.23	PASS
102	5510	-1.30	-1.51	-1.17	3.45	0.23	3.68	10.23	PASS
110	5550	-1.07	-1.35	-0.87	3.68	0.23	3.91	10.23	PASS
134	5670	-1.79	-2.43	-1.33	2.94	0.23	3.17	10.23	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. Directional gain = $2\text{dBi} + 10\log(3) = 6.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.77 - 6) = 10.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

**TEST MODE E****802.11a**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	2.14	2.19	2.54	7.06	0.14	7.20	7.23	PASS
60	5300	1.90	2.17	2.61	7.01	0.14	7.15	7.23	PASS
64	5320	1.63	2.01	2.35	6.78	0.14	6.92	7.23	PASS
100	5500	2.03	2.16	1.57	6.70	0.14	6.84	7.23	PASS
116	5580	1.92	1.94	1.95	6.71	0.14	6.85	7.23	PASS
140	5700	2.03	1.11	1.99	6.50	0.14	6.64	7.23	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. Directional gain = $5\text{dBi} + 10\log(3) = 9.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.77 - 6) = 7.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
52	5260	2.19	2.02	2.44	6.99	0.16	7.15	7.23	PASS
60	5300	2.17	1.62	2.42	6.85	0.16	7.01	7.23	PASS
64	5320	1.84	1.38	2.36	6.65	0.16	6.81	7.23	PASS
100	5500	1.81	1.81	2.20	6.72	0.16	6.88	7.23	PASS
116	5580	2.42	1.28	1.82	6.64	0.16	6.80	7.23	PASS
140	5700	1.91	1.05	2.16	6.50	0.16	6.66	7.23	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. Directional gain = $5\text{dBi} + 10\log(3) = 9.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.77 - 6) = 7.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11n (40MHz)**

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
54	5270	-1.69	-1.55	-1.24	3.28	0.22	3.50	7.23	PASS
62	5310	-2.35	-2.34	-1.82	2.61	0.22	2.83	7.23	PASS
102	5510	-1.61	-1.63	-1.03	3.36	0.22	3.58	7.23	PASS
110	5550	-1.35	-1.84	-0.98	3.40	0.22	3.62	7.23	PASS
134	5670	-1.27	-2.52	-1.24	3.13	0.22	3.35	7.23	PASS

NOTE:

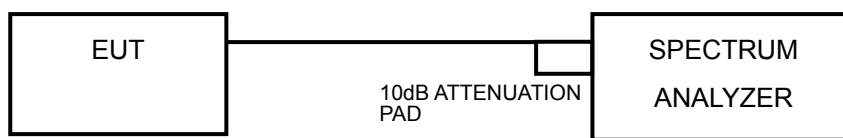
1. Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $5\text{dBi} + 10\log(3) = 9.77\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.77 - 6) = 7.23\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

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 \geq 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

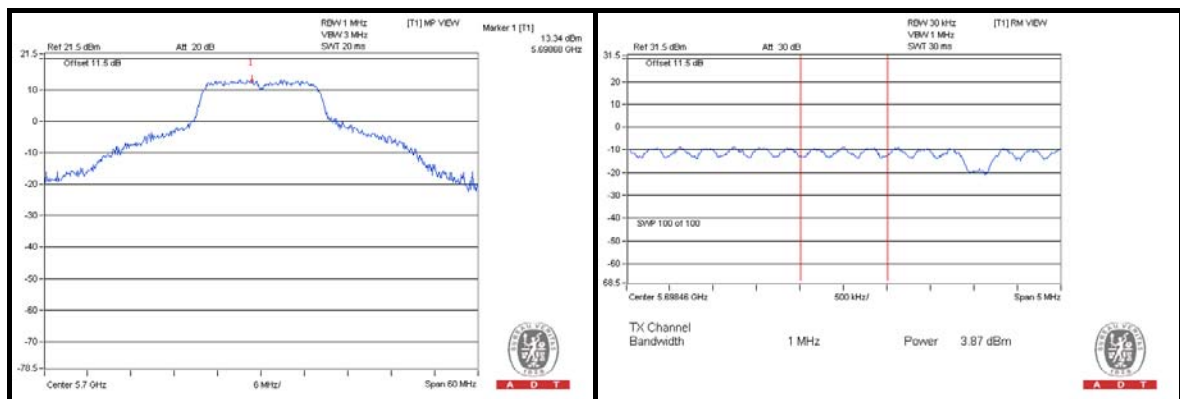
Same as 4.2.6

4.5.7 TEST RESULTS

TEST MODE A

802.11a

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	12.52	12.62	12.88	3.98	4.09	3.94	4.12	4.23	4.08	8.40	8.39	8.80	13	PASS
60	5300	12.05	12.29	12.22	3.98	3.55	3.63	4.12	3.69	3.77	7.93	8.60	8.45	13	PASS
64	5320	12.09	11.93	11.98	3.72	3.52	3.25	3.86	3.66	3.39	8.23	8.27	8.59	13	PASS
100	5500	12.40	11.82	12.40	3.55	3.36	3.88	3.69	3.50	4.02	8.71	8.32	8.38	13	PASS
116	5580	11.79	11.91	12.94	3.74	3.59	3.93	3.88	3.73	4.07	7.91	8.18	8.87	13	PASS
140	5700	12.36	12.42	13.34	4.01	3.65	3.87	4.15	3.79	4.01	8.21	8.63	9.33	13	PASS

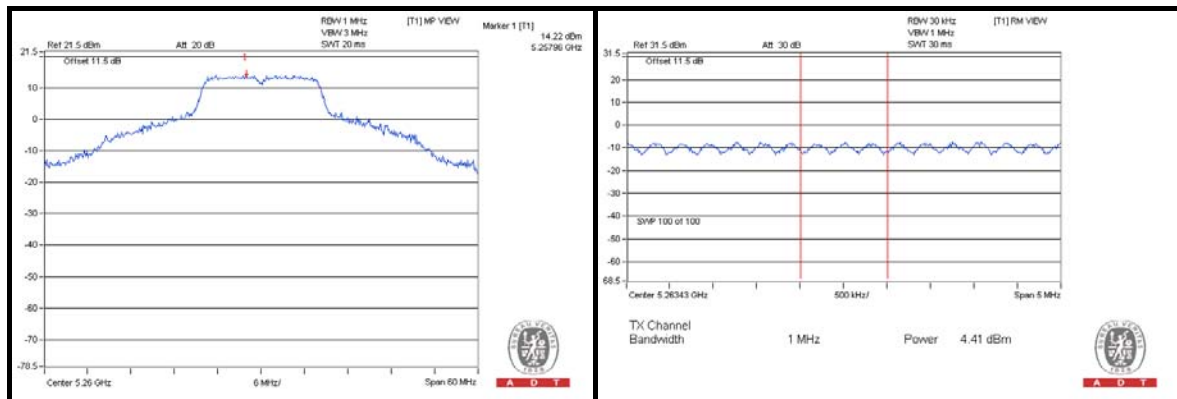




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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	12.27	14.22	12.84	3.63	4.41	4.68	3.79	4.57	4.84	8.48	9.65	8.00	13	PASS
60	5300	12.77	12.25	12.87	3.78	3.78	4.28	3.94	3.94	4.44	8.83	8.31	8.43	13	PASS
64	5320	12.43	12.10	12.67	3.75	3.56	3.96	3.91	3.72	4.12	8.52	8.38	8.55	13	PASS
100	5500	12.69	12.02	12.41	4.02	3.69	3.56	4.18	3.85	3.72	8.51	8.17	8.69	13	PASS
116	5580	11.62	11.47	12.45	3.98	3.50	3.85	4.14	3.66	4.01	7.48	7.81	8.44	13	PASS
140	5700	12.58	12.03	12.75	3.96	3.49	3.97	4.12	3.65	4.13	8.46	8.38	8.62	13	PASS

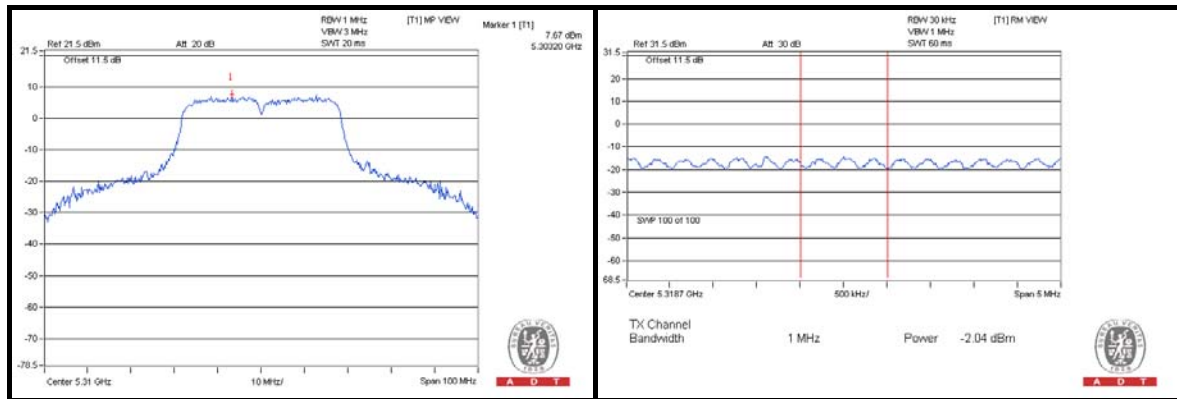




A D T

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
54	5270	7.40	7.19	7.11	-1.48	-1.91	-1.93	-1.26	-1.69	-1.71	8.66	8.88	8.82	13	PASS
62	5310	6.54	6.45	7.67	-1.89	-2.47	-2.04	-1.67	-2.25	-1.82	8.21	8.70	9.49	13	PASS
102	5510	8.18	7.76	5.82	-0.82	-1.50	-3.15	-0.60	-1.28	-2.93	8.78	9.04	8.75	13	PASS
110	5550	7.21	7.18	7.78	-1.63	-1.82	-1.01	-1.41	-1.60	-0.79	8.62	8.78	8.57	13	PASS
134	5670	7.39	6.48	8.04	-1.37	-2.53	-1.40	-1.15	-2.31	-1.18	8.54	8.79	9.22	13	PASS



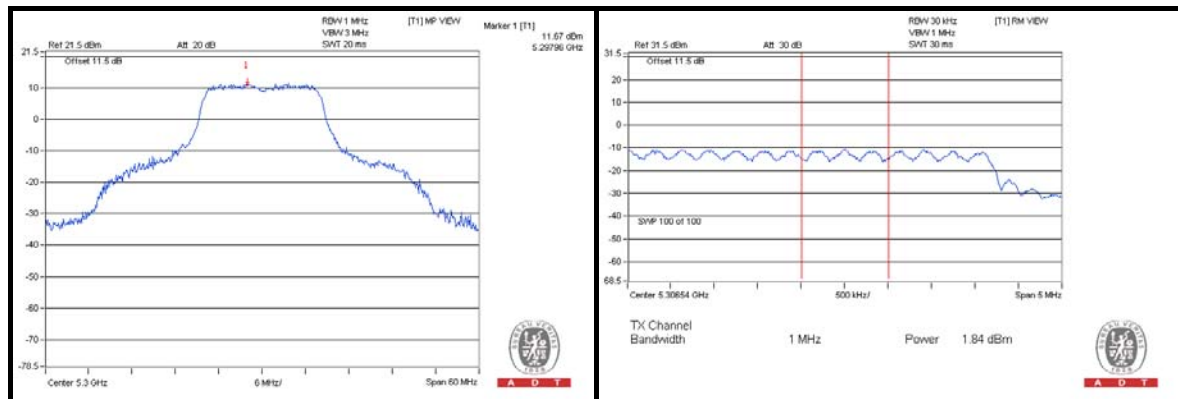


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TEST MODE B

802.11a

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	11.33	11.31	11.64	1.82	1.64	1.88	1.97	1.79	2.03	9.36	9.52	9.61	13	PASS
60	5300	10.68	10.17	11.67	1.78	1.54	1.84	1.93	1.69	1.99	8.75	8.48	9.68	13	PASS
64	5320	10.31	9.99	11.26	1.40	1.43	2.02	1.55	1.58	2.17	8.76	8.41	9.09	13	PASS
100	5500	10.24	9.81	10.89	1.43	1.24	1.63	1.58	1.39	1.78	8.66	8.42	9.11	13	PASS
116	5580	10.49	9.02	10.69	1.82	0.89	1.52	1.97	1.04	1.67	8.52	7.98	9.02	13	PASS
140	5700	10.26	10.03	10.92	1.68	1.23	1.66	1.83	1.38	1.81	8.43	8.65	9.11	13	PASS

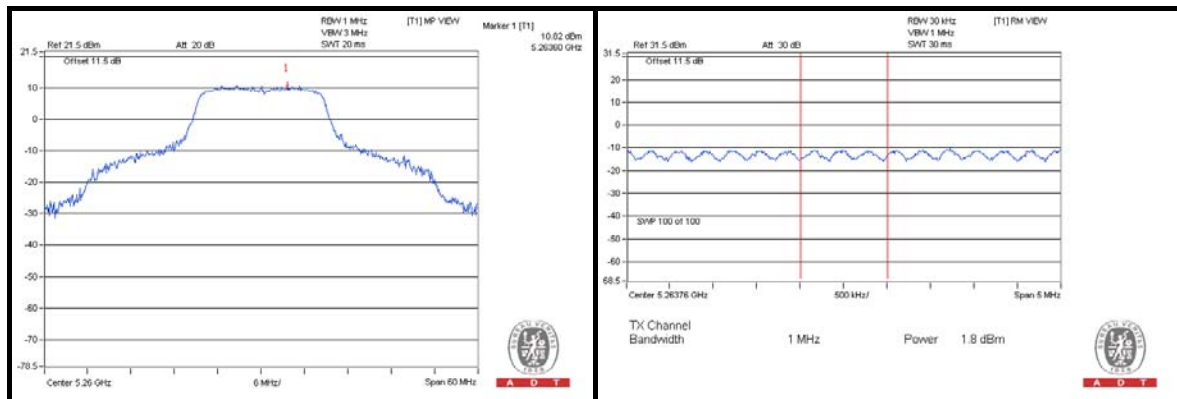




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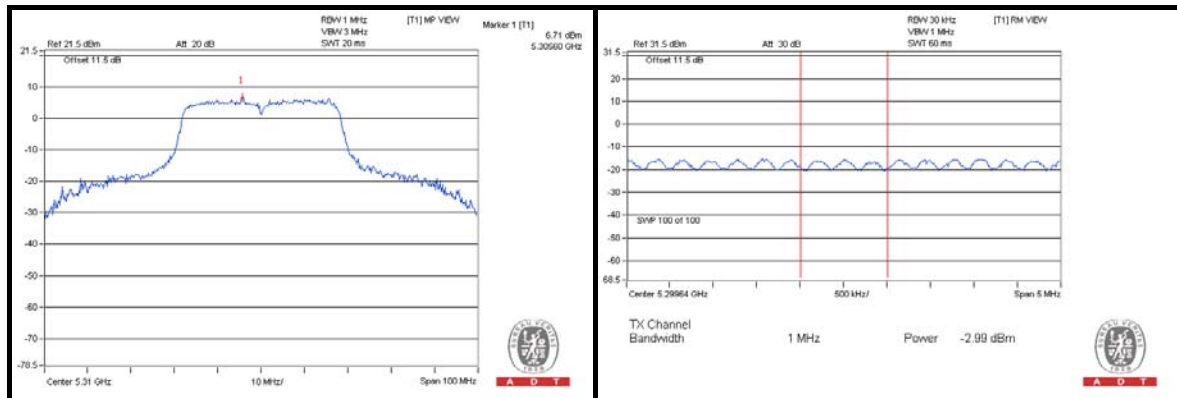
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	10.82	10.42	10.58	1.80	1.81	1.80	1.95	1.96	1.95	8.87	8.46	8.63	13	PASS
60	5300	10.10	9.91	10.39	1.58	1.52	1.77	1.73	1.67	1.92	8.37	8.24	8.47	13	PASS
64	5320	9.91	9.30	10.19	1.54	1.05	1.50	1.69	1.20	1.65	8.22	8.10	8.54	13	PASS
100	5500	10.66	10.02	10.25	1.83	2.02	1.53	1.98	2.17	1.68	8.68	7.85	8.57	13	PASS
116	5580	10.28	9.18	10.40	2.04	1.18	1.63	2.19	1.33	1.78	8.09	7.85	8.62	13	PASS
140	5700	10.45	9.11	10.12	1.52	1.11	1.13	1.67	1.26	1.28	8.78	7.85	8.84	13	PASS



802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
54	5270	7.77	7.78	7.98	-1.40	-1.39	-1.36	-1.18	-1.17	-1.14	8.95	8.95	9.12	13	PASS
62	5310	7.17	6.71	10.04	-2.15	-2.99	0.70	-1.93	-2.77	0.92	9.10	9.48	9.12	13	PASS
102	5510	7.92	8.00	8.55	-0.96	-0.85	-0.87	-0.74	-0.63	-0.65	8.66	8.63	9.20	13	PASS
110	5550	7.91	7.38	7.83	-1.34	-1.56	-0.79	-1.12	-1.34	-0.57	9.03	8.72	8.40	13	PASS
134	5670	7.95	6.44	7.39	-1.55	-2.61	-1.46	-1.33	-2.39	-1.24	9.28	8.83	8.63	13	PASS



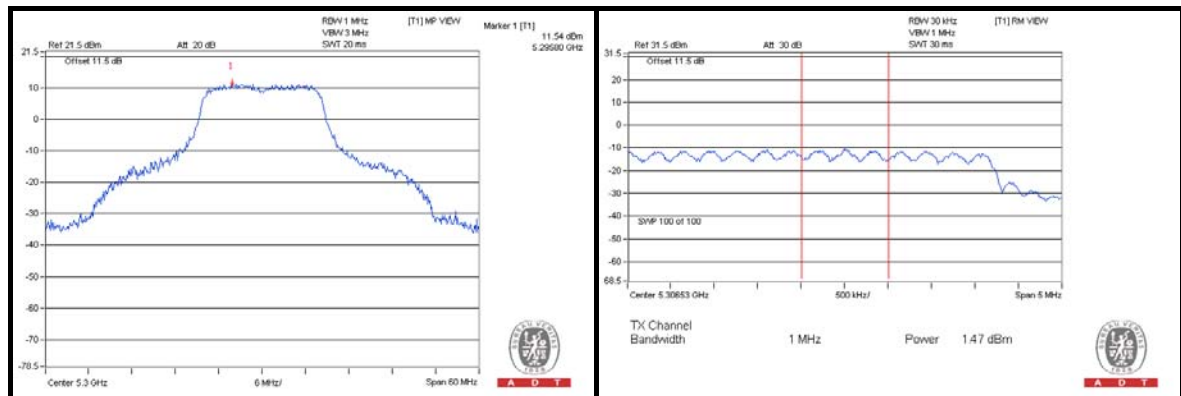


A D T

TEST MODE C

802.11a

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	10.42	10.65	11.25	1.16	1.30	1.31	1.31	1.45	1.46	9.11	9.20	9.79	13	PASS
60	5300	10.54	10.32	11.54	1.01	1.39	1.47	1.16	1.54	1.62	9.38	8.78	9.92	13	PASS
64	5320	10.05	10.01	11.26	1.24	1.35	1.22	1.39	1.50	1.37	8.66	8.51	9.89	13	PASS
100	5500	10.34	9.81	10.71	1.25	1.14	1.28	1.40	1.29	1.43	8.94	8.52	9.28	13	PASS
116	5580	10.14	8.94	10.93	1.55	0.20	1.84	1.70	0.35	1.99	8.44	8.59	8.94	13	PASS
140	5700	10.12	9.64	11.22	1.36	0.79	1.54	1.51	0.94	1.69	8.61	8.70	9.53	13	PASS

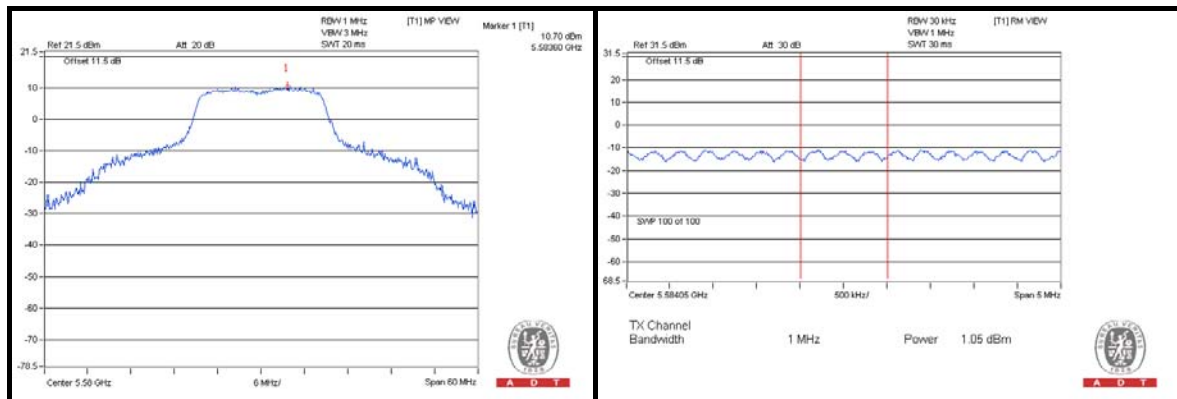




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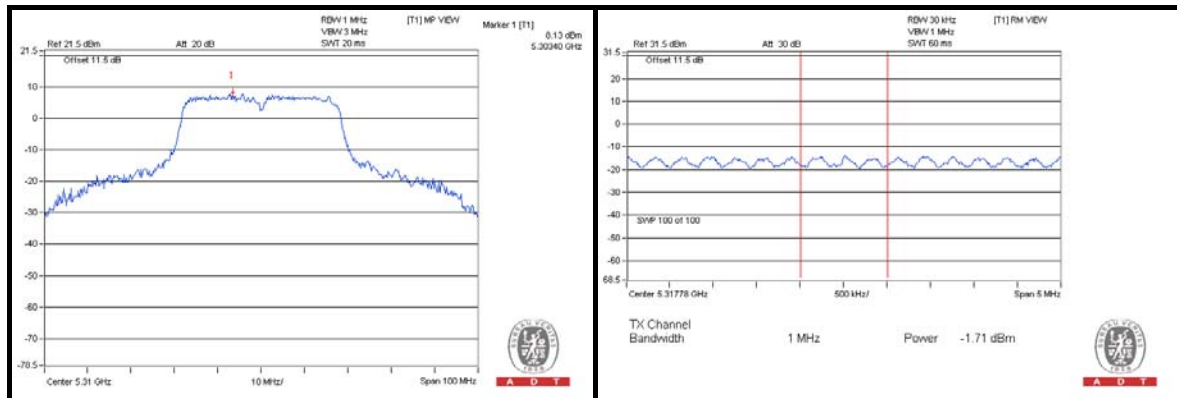
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	10.60	10.11	10.39	1.09	1.35	1.34	1.25	1.51	1.50	9.35	8.60	8.89	13	PASS
60	5300	10.14	9.84	10.58	1.01	1.21	1.42	1.17	1.37	1.58	8.97	8.47	9.00	13	PASS
64	5320	10.45	9.34	10.66	1.03	1.28	1.48	1.19	1.44	1.64	9.26	7.90	9.02	13	PASS
100	5500	10.40	9.99	10.41	1.07	1.36	1.15	1.23	1.52	1.31	9.17	8.47	9.10	13	PASS
116	5580	10.70	8.81	10.55	1.05	0.55	1.64	1.21	0.71	1.80	9.49	8.10	8.75	13	PASS
140	5700	10.19	8.99	10.15	1.37	0.70	1.40	1.53	0.86	1.56	8.66	8.13	8.59	13	PASS



802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
54	5270	7.68	7.55	8.50	-1.36	-1.40	-0.99	-1.14	-1.18	-0.77	8.82	8.73	9.27	13	PASS
62	5310	7.42	7.07	8.13	-1.79	-1.82	-1.71	-1.57	-1.60	-1.49	8.99	8.67	9.62	13	PASS
102	5510	8.35	8.25	8.33	-0.90	-0.81	-0.60	-0.68	-0.59	-0.38	9.03	8.84	8.71	13	PASS
110	5550	7.70	7.57	8.36	-1.02	-1.19	-0.56	-0.80	-0.97	-0.34	8.50	8.54	8.70	13	PASS
134	5670	7.67	6.81	7.64	-1.99	-2.68	-0.91	-1.77	-2.46	-0.69	9.44	9.27	8.33	13	PASS



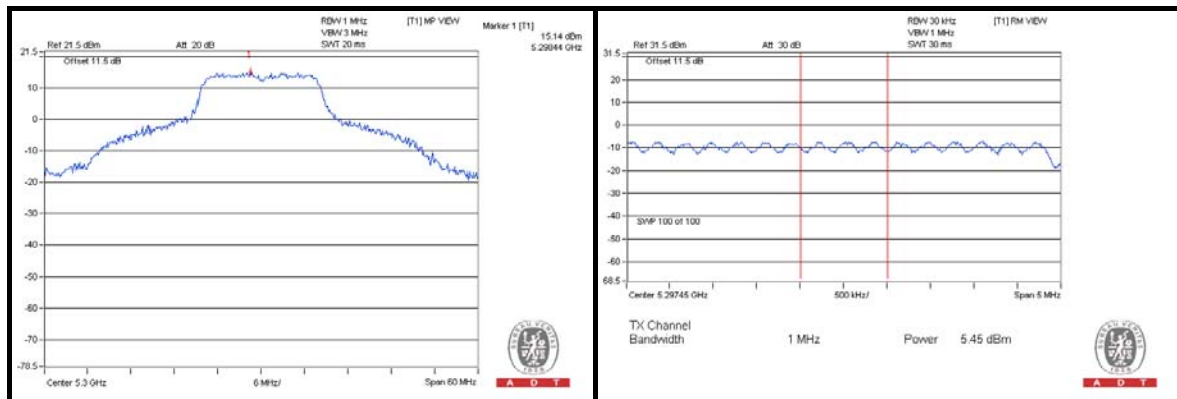


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TEST MODE D

802.11a

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	13.76	13.54	15.04	5.25	4.84	5.68	5.40	4.99	5.83	8.36	8.55	9.21	13	PASS
60	5300	13.46	13.20	15.14	5.04	3.68	5.45	5.19	3.83	5.60	8.27	9.37	9.54	13	PASS
64	5320	13.55	13.33	14.80	5.05	4.53	5.32	5.20	4.68	5.47	8.35	8.65	9.33	13	PASS
100	5500	13.47	13.30	13.57	4.26	4.65	4.52	4.41	4.80	4.67	9.06	8.50	8.90	13	PASS
116	5580	13.62	12.92	13.31	4.39	4.33	4.47	4.54	4.48	4.62	9.08	8.44	8.69	13	PASS
140	5700	13.56	13.26	13.97	4.91	4.05	4.71	5.06	4.20	4.86	8.50	9.06	9.11	13	PASS

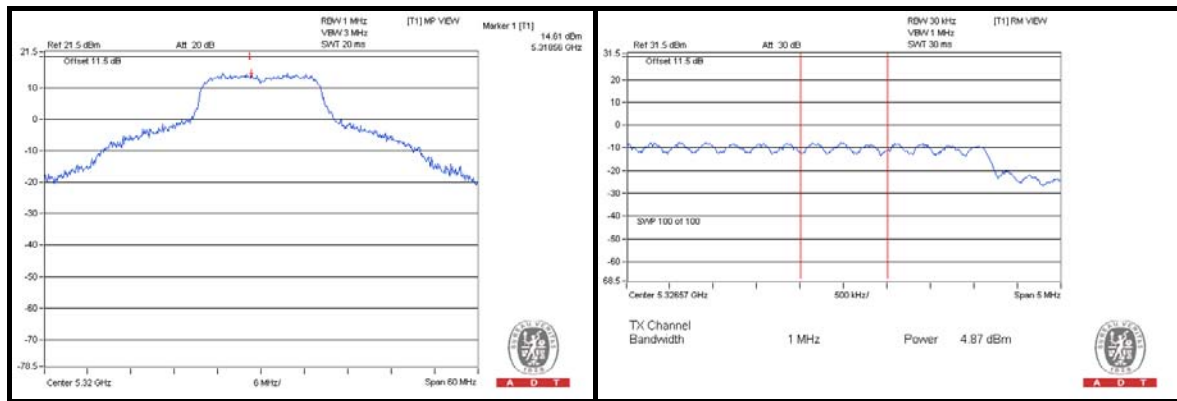




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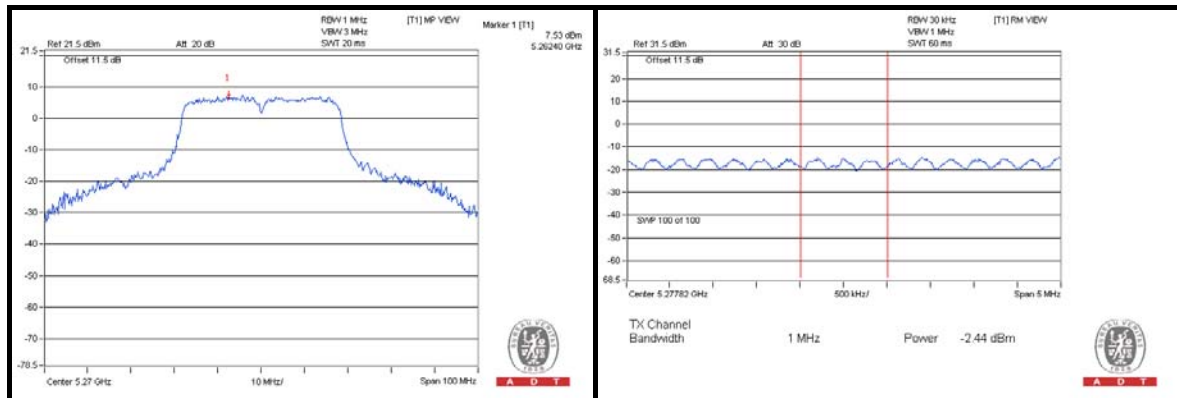
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	13.72	13.23	15.14	4.94	4.88	5.83	5.09	5.03	5.98	8.63	8.20	9.16	13	PASS
60	5300	13.04	12.60	14.64	4.50	4.11	5.40	4.65	4.26	5.55	8.39	8.34	9.09	13	PASS
64	5320	12.96	12.34	14.61	4.45	3.90	4.87	4.60	4.05	5.02	8.36	8.29	9.59	13	PASS
100	5500	12.62	12.61	13.77	3.73	4.21	4.60	3.88	4.36	4.75	8.74	8.25	9.02	13	PASS
116	5580	12.73	12.04	12.57	3.78	3.51	3.72	3.93	3.66	3.87	8.80	8.38	8.70	13	PASS
140	5700	13.52	12.73	12.59	4.51	4.28	3.92	4.66	4.43	4.07	8.86	8.30	8.52	13	PASS



802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
54	5270	7.51	7.52	7.53	-1.63	-1.50	-2.44	-1.40	-1.27	-2.21	8.91	8.79	9.74	13	PASS
62	5310	7.11	6.98	7.29	-1.95	-1.98	-1.86	-1.72	-1.75	-1.63	8.83	8.73	8.92	13	PASS
102	5510	8.08	7.56	7.70	-1.30	-1.51	-1.17	-1.07	-1.28	-0.94	9.15	8.84	8.64	13	PASS
110	5550	7.26	7.74	8.17	-1.07	-1.35	-0.87	-0.84	-1.12	-0.64	8.10	8.86	8.81	13	PASS
134	5670	7.36	7.14	7.39	-1.79	-2.43	-1.33	-1.56	-2.20	-1.10	8.92	9.34	8.49	13	PASS



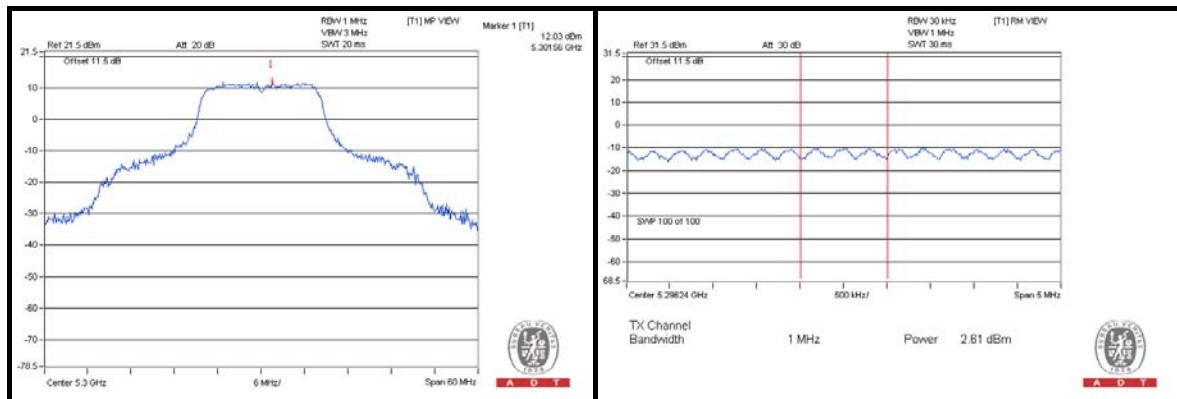


A D T

TEST MODE E

802.11a

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	11.30	11.00	11.89	2.14	2.19	2.54	2.28	2.33	2.68	9.02	8.67	9.21	13	PASS
60	5300	10.71	10.59	12.03	1.90	2.17	2.61	2.04	2.31	2.75	8.67	8.28	9.28	13	PASS
64	5320	10.30	10.85	11.51	1.63	2.01	2.35	1.77	2.15	2.49	8.53	8.70	9.02	13	PASS
100	5500	10.26	10.71	10.73	2.03	2.16	1.57	2.17	2.30	1.71	8.09	8.41	9.02	13	PASS
116	5580	10.45	10.40	11.07	1.92	1.94	1.95	2.06	2.08	2.09	8.39	8.32	8.98	13	PASS
140	5700	11.15	10.07	11.41	2.03	1.11	1.99	2.17	1.25	2.13	8.98	8.82	9.28	13	PASS

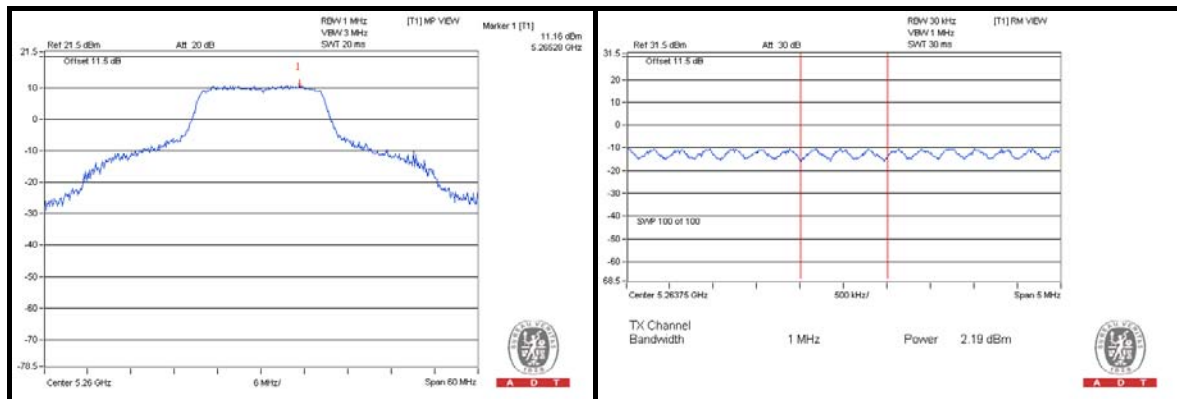




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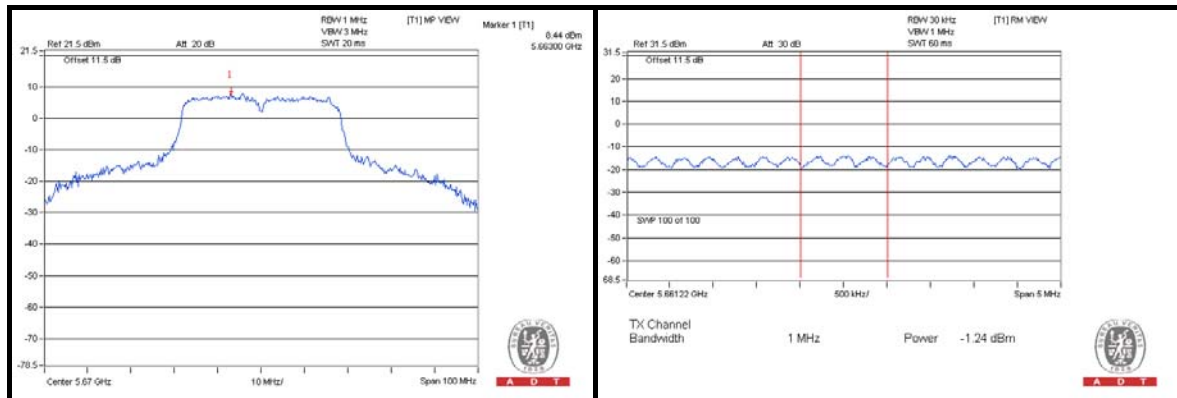
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
52	5260	11.16	10.57	10.74	2.19	2.02	2.44	2.35	2.18	2.60	8.81	8.39	8.14	13	PASS
60	5300	10.57	10.10	10.91	2.17	1.62	2.42	2.33	1.78	2.58	8.24	8.32	8.33	13	PASS
64	5320	10.45	9.93	10.66	1.84	1.38	2.36	2.00	1.54	2.52	8.45	8.39	8.14	13	PASS
100	5500	10.57	10.31	10.88	1.81	1.81	2.20	1.97	1.97	2.36	8.60	8.34	8.52	13	PASS
116	5580	10.39	9.77	10.24	2.42	1.28	1.82	2.58	1.44	1.98	7.81	8.33	8.26	13	PASS
140	5700	10.84	9.29	10.46	1.91	1.05	2.16	2.07	1.21	2.32	8.77	8.08	8.14	13	PASS



802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)			PPSD WITHOUT DUTY FACTOR (dBm)			PPSD WITH DUTY FACTOR (dBm)			PEAK EXCURSION (dB)			LIMIT (dB)	PASS/ FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 0	CHAIN 1	CHAIN 2		
54	5270	7.00	7.81	8.30	-1.69	-1.55	-1.24	-1.47	-1.33	-1.02	8.47	9.14	9.32	13	PASS
62	5310	6.55	7.04	7.52	-2.35	-2.34	-1.82	-2.13	-2.12	-1.60	8.68	9.16	9.12	13	PASS
102	5510	7.37	7.67	7.82	-1.61	-1.63	-1.03	-1.39	-1.41	-0.81	8.76	9.08	8.63	13	PASS
110	5550	7.45	6.91	8.06	-1.35	-1.84	-0.98	-1.13	-1.62	-0.76	8.58	8.53	8.82	13	PASS
134	5670	7.65	6.74	8.44	-1.27	-2.52	-1.24	-1.05	-2.30	-1.02	8.70	9.04	9.46	13	PASS

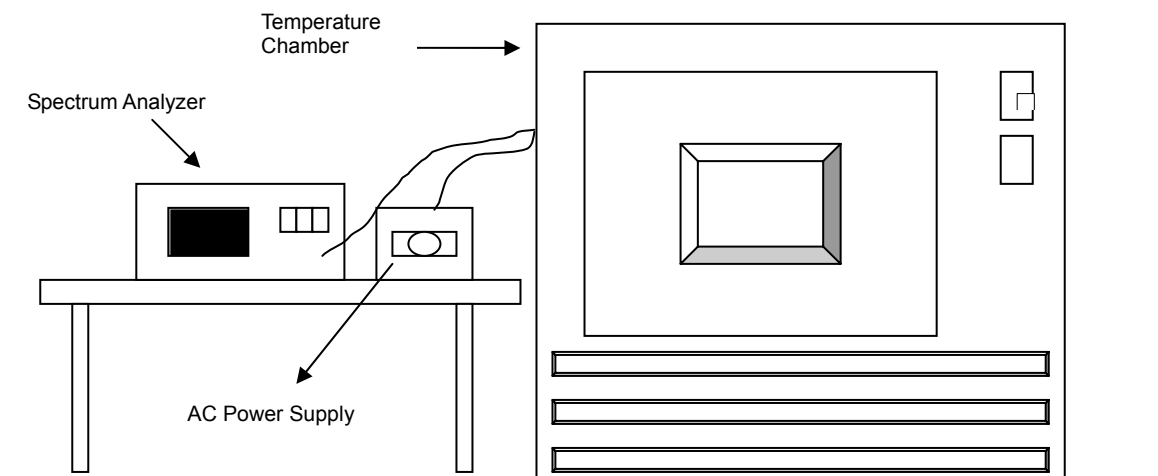


4.6 FREQUENCY STABILITY

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

TEST MODE A

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5320.0046	0.00009	5320.0034	0.00006	5320.0002	0.00000	5319.9987	-0.00002
40	120	5320.0034	0.00006	5320.0013	0.00002	5320.0016	0.00003	5320.0011	0.00002
30	120	5319.9869	-0.00025	5319.9788	-0.00040	5319.9846	-0.00029	5319.9788	-0.00040
20	120	5320.0206	0.00039	5320.0193	0.00036	5320.0121	0.00023	5320.0217	0.00041
10	120	5319.979	-0.00039	5319.9843	-0.00030	5319.9875	-0.00023	5319.9831	-0.00032
0	120	5320.0218	0.00041	5320.0182	0.00034	5320.0211	0.00040	5320.0278	0.00052
-10	120	5320.0011	0.00002	5319.9933	-0.00013	5319.9997	-0.00001	5319.9969	-0.00006
-20	120	5319.9893	-0.00020	5319.9904	-0.00018	5319.9906	-0.00018	5319.9929	-0.00013
-30	120	5320.0201	0.00038	5320.0197	0.00037	5320.0253	0.00048	5320.0204	0.00038

FREQUENCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5320.0196	0.00037	5320.0183	0.00034	5320.0114	0.00021	5320.0208	0.00039
	120	5320.0206	0.00039	5320.0193	0.00036	5320.0121	0.00023	5320.0217	0.00041
	102	5320.0208	0.00039	5320.0203	0.00038	5320.0117	0.00022	5320.0226	0.00042



TEST MODE B

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5320.0008	0.00002	5319.9998	0.00000	5320.0092	0.00017	5320.0072	0.00014
40	120	5319.9804	-0.00037	5319.973	-0.00051	5319.9763	-0.00045	5319.9775	-0.00042
30	120	5319.9717	-0.00053	5319.9785	-0.00040	5319.9765	-0.00044	5319.9808	-0.00036
20	120	5319.9906	-0.00018	5319.9896	-0.00020	5319.9868	-0.00025	5319.9877	-0.00023
10	120	5320.0006	0.00001	5320.0014	0.00003	5320.0055	0.00010	5320.0013	0.00002
0	120	5320.0248	0.00047	5320.0198	0.00037	5320.026	0.00049	5320.0168	0.00032
-10	120	5320.0124	0.00023	5320.0234	0.00044	5320.0143	0.00027	5320.0181	0.00034
-20	120	5319.9822	-0.00033	5319.9841	-0.00030	5319.9842	-0.00030	5319.9848	-0.00029
-30	120	5319.9776	-0.00042	5319.9781	-0.00041	5319.9783	-0.00041	5319.9862	-0.00026

FREQUENCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5319.9901	-0.00019	5319.9899	-0.00019	5319.9865	-0.00025	5319.9873	-0.00024
	120	5319.9906	-0.00018	5319.9896	-0.00020	5319.9868	-0.00025	5319.9877	-0.00023
	102	5319.9913	-0.00016	5319.9899	-0.00019	5319.9866	-0.00025	5319.9878	-0.00023



TEST MODE C

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5319.9835	-0.00031	5319.9769	-0.00043	5319.9821	-0.00034	5319.984	-0.00030
40	120	5319.9976	-0.00005	5320.002	0.00004	5319.9965	-0.00007	5319.9934	-0.00012
30	120	5319.986	-0.00026	5319.9816	-0.00035	5319.9847	-0.00029	5319.9767	-0.00044
20	120	5319.9811	-0.00036	5319.9796	-0.00038	5319.9802	-0.00037	5319.9799	-0.00038
10	120	5320.0137	0.00026	5320.012	0.00023	5320.0094	0.00018	5320.0061	0.00011
0	120	5319.9887	-0.00021	5319.9929	-0.00013	5319.9905	-0.00018	5319.9873	-0.00024
-10	120	5319.9796	-0.00038	5319.9815	-0.00035	5319.9773	-0.00043	5319.9797	-0.00038
-20	120	5319.9946	-0.00010	5319.997	-0.00006	5319.9904	-0.00018	5319.9933	-0.00013
-30	120	5319.9764	-0.00044	5319.9729	-0.00051	5319.9727	-0.00051	5319.9784	-0.00041

FREQUENCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5319.9803	-0.00037	5319.9786	-0.00040	5319.9792	-0.00039	5319.9803	-0.00037
	120	5319.9811	-0.00036	5319.9796	-0.00038	5319.9802	-0.00037	5319.9799	-0.00038
	102	5319.982	-0.00034	5319.9802	-0.00037	5319.9812	-0.00035	5319.9799	-0.00038



TEST MODE D

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5319.98	-0.00038	5319.9794	-0.00039	5319.9802	-0.00037	5319.9736	-0.00050
40	120	5320.0162	0.00030	5320.0176	0.00033	5320.0224	0.00042	5320.0235	0.00044
30	120	5319.9855	-0.00027	5319.9891	-0.00020	5319.9788	-0.00040	5319.9802	-0.00037
20	120	5320.0132	0.00025	5320.0065	0.00012	5320.0131	0.00025	5320.0055	0.00010
10	120	5320.0138	0.00026	5320.0132	0.00025	5320.0131	0.00025	5320.0174	0.00033
0	120	5319.9872	-0.00024	5319.9923	-0.00014	5319.9949	-0.00010	5319.9957	-0.00008
-10	120	5320.0101	0.00019	5320.0076	0.00014	5320.0065	0.00012	5320.0058	0.00011
-20	120	5319.9879	-0.00023	5319.9798	-0.00038	5319.9874	-0.00024	5319.9796	-0.00038
-30	120	5320.025	0.00047	5320.0177	0.00033	5320.0182	0.00034	5320.0204	0.00038

FREQUENCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5320.0137	0.00026	5320.0073	0.00014	5320.0126	0.00024	5320.0051	0.00010
	120	5320.0132	0.00025	5320.0065	0.00012	5320.0131	0.00025	5320.0055	0.00010
	102	5320.014	0.00026	5320.0075	0.00014	5320.0121	0.00023	5320.0054	0.00010



TEST MODE E

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5319.9955	-0.00008	5319.994	-0.00011	5319.9998	0.00000	5319.9944	-0.00011
40	120	5320.0079	0.00015	5320.006	0.00011	5320.0069	0.00013	5320.0064	0.00012
30	120	5319.9926	-0.00014	5319.9865	-0.00025	5319.988	-0.00023	5319.9946	-0.00010
20	120	5320.0197	0.00037	5320.0224	0.00042	5320.022	0.00041	5320.0213	0.00040
10	120	5320.0186	0.00035	5320.0127	0.00024	5320.0132	0.00025	5320.0224	0.00042
0	120	5319.9898	-0.00019	5319.9828	-0.00032	5319.9857	-0.00027	5319.9867	-0.00025
-10	120	5320.0121	0.00023	5320.01	0.00019	5320.0152	0.00029	5320.0153	0.00029
-20	120	5320.0074	0.00014	5320.0123	0.00023	5320.0163	0.00031	5320.0117	0.00022
-30	120	5319.9942	-0.00011	5319.9926	-0.00014	5319.993	-0.00013	5319.9934	-0.00012

FREQUENCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5320.0191	0.00036	5320.0226	0.00042	5320.0214	0.00040	5320.0209	0.00039
	120	5320.0197	0.00037	5320.0224	0.00042	5320.022	0.00041	5320.0213	0.00040
	102	5320.0196	0.00037	5320.0223	0.00042	5320.0212	0.00040	5320.0218	0.00041

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:
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Web Site: www.bureauveritas-adt.com

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

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

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

---END---