

Partial FCC Test Report

Report No.: RFBASM-WTW-P20110217-3

FCC ID: QYLAX200NG

Test Model: AX200NGW

Received Date: Nov. 06, 2020

Test Date: Dec. 16, 2020 ~ Jan. 15, 2021

Issued Date: Jan. 18, 2021

Applicant: Getac Technology Corporation.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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**FCC Registration /
Designation Number:** 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
RFBASM-WTW-P20110217-3	Original Release	Jan. 18, 2021

1 Certificate of Conformity

Product: Wireless module

Brand: Getac

Test Model: AX200NGW

Sample Status: Mass Product

Applicant: Getac Technology Corporation.

Test Date: Dec. 16, 2020 ~ Jan. 15, 2021

Standards: 47 CFR FCC Part 15, Subpart E (Section 15.407)
ANSI C63.10:2013

The above equipment 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 RF characteristics under the conditions specified in this report.

Prepared by : Shelly Hsueh, **Date:** Jan. 18, 2021
Shelly Hsueh / Specialist

Approved by : Dylan Chiou, **Date:** Jan. 18, 2021
Dylan Chiou / Senior Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -18.69 dB at 0.43000 MHz.
15.407(b)(1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -7.21 dB at 11590 MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	N/A	Refer to Note
---	Occupied Bandwidth Measurement	-	Reference only
15.407(a)(1/2/3)	Peak Power Spectral Density	N/A	Refer to Note
15.407(e)	6 dB Bandwidth	N/A	Refer to Note
15.407(g)	Frequency Stability	N/A	Refer to Note
15.203	Antenna Requirement	N/A	No antenna connector is used.

Note:

1. This report is a partial report, only test item of Conducted Emission, Radiated Emissions were performed for this report. Other testing data please refer to Intel report no.: 181210-03.TR01, 181210-03.TR02, and 181210-03.TR03 for module (Brand: **Intel® Wi-Fi 6 AX200** , Model: AX200NGW).
2. For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOB test plots were recorded in Annex A.
3. For U-NII-1, U-NII-2A, U-NII-2C band compliance with rule 15.407(b) of the band-edge items, the test plots were recorded in Annex B. Test Procedures refer to report 4.1.3.
4. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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	Expanded Uncertainty (k=2) ($\pm$)
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.79 dB
Radiated Emissions up to 1 GHz	9 kHz ~ 30 MHz	3.04 dB
	30 MHz ~ 200 MHz	2.93 dB
	200 MHz ~ 1000 MHz	2.95 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Wireless module
Brand	Getac
Test Model	AX200NGW
Status of EUT	Mass Product
Power Supply Rating	7.4Vdc from battery 19 Vdc from Adapter
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0 Mbps 802.11n: up to HT8 802.11ac: up to VHT0 802.11ax: up to HE0
Operating Frequency	5180 ~ 5250 MHz, 5250 ~ 5320 MHz, 5500 ~ 5720 MHz, 5745 ~ 5825 MHz
Number of Channel	5180 ~ 5320 MHz: 8 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) 4 for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40) 2 for 802.11ac (VHT80), 802.11ax (HE80) 1 for 802.11ac (VHT160), 802.11ax (HE160) 5500 ~ 5720 MHz: 12 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) 6 for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40) 3 for 802.11ac (VHT80), 802.11ax (HE80) 1 for 802.11ac (VHT160), 802.11ax (HE160) 5745 ~ 5825 MHz: 5 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) 2 for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40) 1 for 802.11ac (VHT80), 802.11ax (HE80)
Output Power	Refer to module report
Antenna Type	Refer to Note as below
Antenna Connector	Refer to Note as below
Accessory Device	N/A
Data Cable Supplied	N/A

Note:

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

Modulation Mode	Tx Function
802.11a	1TX
802.11n (HT20)	2TX
802.11n (HT40)	2TX
802.11ac (VHT20)	2TX
802.11ac (VHT40)	2TX
802.11ax (HE20)	2TX
802.11ax (HE40)	2TX
802.11ac (VHT80)	2TX
802.11ax (HE80)	2TX
802.11ac (VHT160)	2TX
802.11ax (HE160)	2TX

* The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 and 802.11ac mode for VHT20 / VHT40 / VHT80 / VHT160 and 802.11ax mode for HE20 / HE40 / HE80 / HE160, therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

2. The EUT is authorized for use in specific End-product. Please refer to below for more details.

Product	Brand	Model
Tablet	Getac	T800

3. The following accessories were for the End-product.

Product	Brand	Model	Description
Adapter	FSP	FSP065-RBBN3	I/P: 100-240 Vac, 50-60 Hz, 1.5 A O/P: 19 Vdc, 3.42 A 1.5m cable with 1 core
Battery	Getac	BP2S2P2100S	7.4Vdc, 4200mAh, 32Wh (Min. 4080mAh, 31Wh)
LCD Panel	INNOLUX	HE080IA-06B	8.1"
Photo Camera	FOXLINK	FO20FF-505H	--
Video Camera	FOXLINK	FO80AF-506H	--
SSD	Sandisk	DA4128	128GB
CPU	Intel	Z8750	Speed: 1.6GHz, CPU Pin 1380

4. The antenna information is listed as below.

Ant. Type	Brand	Model	Ant.	Antenna Peak Gain (dBi)			
				2.4GHz/BT	5.2&5.3GHz	5.6GHz	5.8GHz
PIFA	Getac	421122100003	Ant 0	3.16	3.05	3.84	3.84
		421122100001	Ant 1	1.17	3.71	4.27	4.37

5. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible
6. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

For 5180 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260
40	5200	56	5280
44	5220	60	5300
48	5240	64	5320

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270
46	5230	62	5310

2 channel is provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	58	5290

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency (MHz)
50	5250

For 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
116	5580	140	5700
120	5600	144	5720

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	126	5630
110	5550	134	5670
118	5590	142	5710

3 channels are provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530	138	5690
122	5610		

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency (MHz)
114	5570

For 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	161	5805
153	5765	165	5825
157	5785		

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency (MHz)
155	5775

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To			Description
	RE $\geq$ 1G	RE<1G	PLC	
-	√	√	√	-

Where **RE $\geq$ 1G**: Radiated Emission above 1 GHz **RE<1G**: Radiated Emission below 1 GHz
PLC: Power Line Conducted Emission

Note: "-" means no effect.

Note: For radiated emission (below 1GHz) and power line conducted emission test items chosen the worst maximum power.

Radiated Emission Test (Above 1 GHz):

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

EUT Configure Mode	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	5180-5320	802.11a	36 to 64	36, 40, 48, 52, 56, 64	OFDM	BPSK	6.0
		802.11ax (HE20)	36 to 64	36, 40, 48, 52, 56, 64	OFDMA	BPSK	HE0
		802.11ax (HE40)	38 to 62	38, 46, 54, 62	OFDMA	BPSK	HE0
		802.11ax (HE80)	42 to 58	42, 58	OFDMA	BPSK	HE0
		802.11ax (HE160)	50	50	OFDMA	BPSK	HE0
	5500-5720	802.11a	100 to 144	100, 116, 140	OFDM	BPSK	6.0
		802.11ax (HE20)	100 to 144	100, 116, 140, 144	OFDMA	BPSK	HE0
		802.11ax (HE40)	102 to 142	102, 110, 134, 142	OFDMA	BPSK	HE0
		802.11ax (HE80)	106 to 138	106, 122, 138	OFDMA	BPSK	HE0
		802.11ax (HE160)	114	114	OFDMA	BPSK	HE0
	5745-5825	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0
		802.11ax (HE20)	149 to 165	149, 157, 165	OFDMA	BPSK	HE0
		802.11ax (HE40)	151 to 159	151, 159	OFDMA	BPSK	HE0
		802.11ax (HE80)	155	155	OFDMA	BPSK	HE0

Radiated Emission Test (Below 1 GHz):

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

EUT Configure Mode	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	5745-5825	802.11ax (HE40)	151 to 159	159	OFDMA	BPSK	HE0

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	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	5745-5825	802.11ax (HE40)	151 to 159	159	OFDMA	BPSK	HE0

Test Condition:

Applicable To	Environmental Conditions	Input Power	Tested by
RE $\geq$ 1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Tim Chen
RE<1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Tim Chen
PLC	25 deg. C, 65 % RH	120 Vac, 60 Hz	Tim Chen

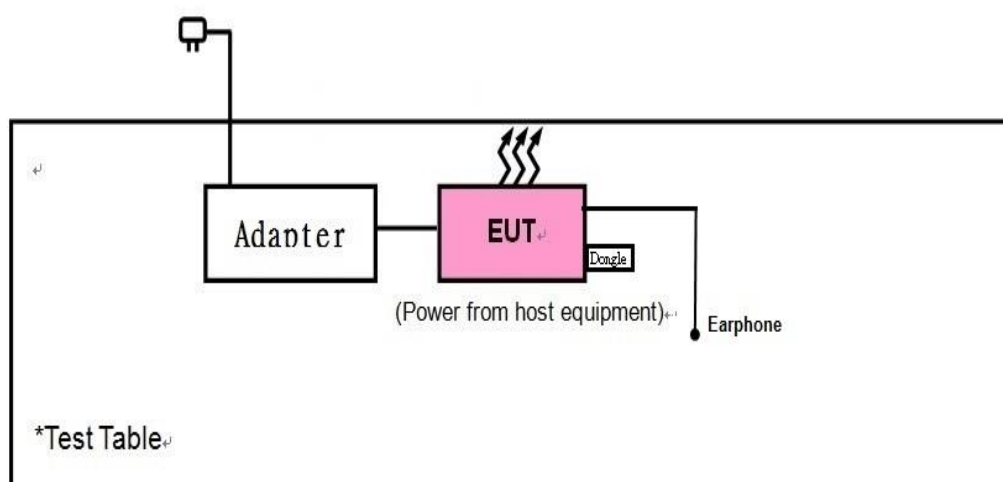
3.3 Description of Support Units

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.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
1.	Earphone	Apple	NA	NA	NA	-
2.	USB Dongle	HP	v250W	03	NA	-

No.	Signal Cable Description Of The Above Support Units
1.	1.2m

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards and References

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

Test Standard:

FCC Part 15, Subpart E (15.407)

ANSI C63.10-2013

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

References Test Guidance:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

All test items have been performed as a reference to the above KDB test guidance.

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 1000 MHz, 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 20 dB under any condition of modulation.

4.1.2 Limits of Unwanted Emission Out of the Restricted Bands

Applicable To		Limit	
789033 D02 General UNII Test Procedures New Rules v02r01		Field Strength at 3 m	
		PK: 74 (dBµV/m)	AV: 54 (dBµV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
5150~5250 MHz	15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	☒ 15.407(b)(4)(i)	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2 (dBµV/m) ^{*1} PK:105.2 (dBµV/m) ^{*2} PK: 110.8 (dBµV/m) ^{*3} PK:122.2 (dBµV/m) ^{*4}
	☐ 15.407(b)(4)(ii)	Emission limits in section 15.247(d)	

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note:

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

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

4.1.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent	N9038A	MY51210203	Mar. 18, 2020	Mar. 17, 2021
Spectrum Analyzer Agilent	N9010A	MY52220314	Dec. 07, 2020	Dec. 06, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Apr. 16, 2020	Apr. 15, 2021
Broadband Horn Antenna SCHWARZBECK	BBHA 9170	148	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 22, 2020	Nov. 21, 2021
BILOG Antenna SCHWARZBECK	VULB 9168	9168-472	Nov. 06, 2020	Nov. 05, 2021
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021
Preamplifier EMCI	EMC 012645	980115	Oct. 07, 2020	Oct. 06, 2021
Preamplifier EMCI	EMC 184045	980116	Oct. 07, 2020	Oct. 06, 2021
Preamplifier EMCI	EMC 330H	980112	Oct. 07, 2020	Oct. 06, 2021
Power Meter Anritsu	ML2495A	1012010	Sep. 01, 2020	Aug. 31, 2021
Power Sensor Anritsu	MA2411B	1315050	Sep. 01, 2020	Aug. 31, 2021
RF Coaxial Cable EMCI	EMC104-SM-SM-8000	171005	Oct. 07, 2020	Oct. 06, 2021
RF Coaxial Cable HUBER+SUHNNER	SUCOFLEX 104	EMC104-SM-SM-1000(140807)	Oct. 07, 2020	Oct. 06, 2021
RF Coaxial Cable WOKEN	8D-FB	Cable-Ch10-01	Oct. 07, 2020	Oct. 06, 2021
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	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 calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in HwaYa Chamber 10.

4.1.4 Test Procedures

For Radiated Emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. 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. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case 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 Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.

For Radiated Emission above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. 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 height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

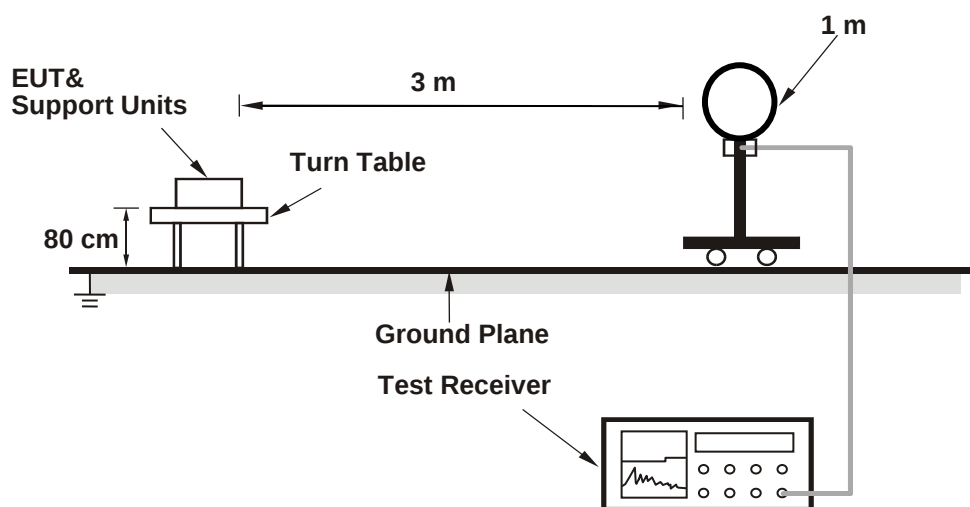
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK)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

4.1.5 Deviation from Test Standard

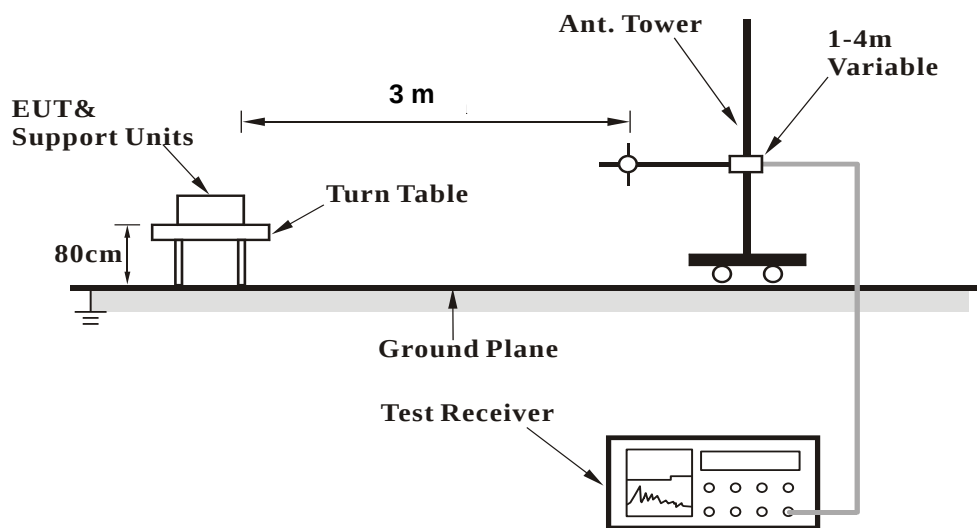
No deviation.

4.1.6 Test Setup

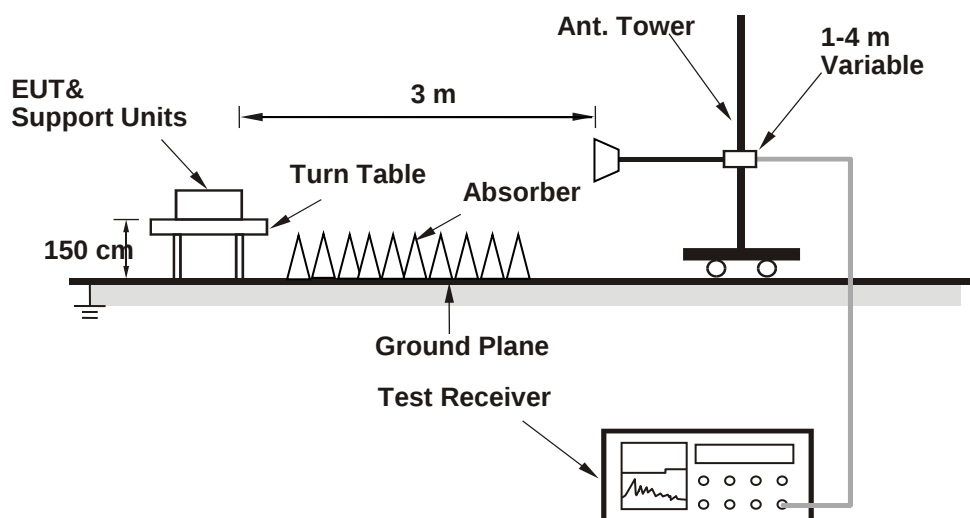
<Radiated Emission below 30 MHz>



<Radiated Emission 30 MHz to 1 GHz>



<Radiated Emission above 1 GHz>



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

4.1.7 EUT Operating Conditions

- Placed the EUT on a testing table.
- Use the software to control the EUT under transmission condition continuously at specific channel frequency.

4.1.8 Test Results
Above 1 GHz Data :
802.11a

EUT Test Condition		Measurement Detail	
Channel	Channel 36	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5120.16	39.64	39.12	0.52	54	-14.36	314	192	Average
5120.16	49.07	48.55	0.52	74	-24.93	314	192	Peak
5180	91.01	90.75	0.26	-----	-----	314	192	Average
5180	97.79	97.53	0.26	-----	-----	314	192	Peak
10360	52.03	53.95	-1.92	68.2	-16.17	224	231	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.35	37.93	0.42	54	-15.65	111	94	Average
5150	49.41	48.99	0.42	74	-24.59	111	94	Peak
5180	93.2	92.94	0.26	-----	-----	111	94	Average
5180	100.2	99.94	0.26	-----	-----	111	94	Peak
10360	52.55	54.47	-1.92	68.2	-15.65	224	123	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5180 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 40	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.22	37.8	0.42	54	-15.78	100	205	Average
5150	50.06	49.64	0.42	74	-23.94	100	205	Peak
5200	91.78	91.64	0.14	-----	-----	100	205	Average
5200	100.34	100.2	0.14	-----	-----	100	205	Peak
5350	37.94	37.61	0.33	54	-16.06	100	205	Average
5350	50.03	49.7	0.33	74	-23.97	100	205	Peak
10400	52.88	54.7	-1.82	68.2	-15.32	151	221	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.6	38.18	0.42	54	-15.4	113	103	Average
5150	49.9	49.48	0.42	74	-24.1	113	103	Peak
5200	94.86	94.72	0.14	-----	-----	113	103	Average
5200	103.83	103.69	0.14	-----	-----	113	103	Peak
5350	37.87	37.54	0.33	54	-16.13	113	103	Average
5350	49.08	48.75	0.33	74	-24.92	113	103	Peak
10400	53.62	55.44	-1.82	68.2	-14.58	225	168	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5200 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 48	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	37.98	37.56	0.42	54	-16.02	100	199	Average
5150	49.75	49.33	0.42	74	-24.25	100	199	Peak
5240	92.91	92.81	0.1	-----	-----	100	199	Average
5240	101.52	101.42	0.1	-----	-----	100	199	Peak
5350	37.67	37.34	0.33	54	-16.33	100	199	Average
5350	50.4	50.07	0.33	74	-23.6	100	199	Peak
10480	54.31	55.79	-1.48	68.2	-13.89	156	223	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	37.98	37.56	0.42	54	-16.02	112	99	Average
5150	49.32	48.9	0.42	74	-24.68	112	99	Peak
5240	95.01	94.91	0.1	-----	-----	112	99	Average
5240	103.83	103.73	0.1	-----	-----	112	99	Peak
5350	37.73	37.4	0.33	54	-16.27	112	99	Average
5350	49.88	49.55	0.33	74	-24.12	112	99	Peak
10480	53.61	55.09	-1.48	68.2	-14.59	122	312	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5240 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 52	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	37.78	37.36	0.42	54	-16.22	100	200	Average
5150	50.37	49.95	0.42	74	-23.63	100	200	Peak
5260	92.76	92.63	0.13	-----	-----	100	200	Average
5260	102.02	101.89	0.13	-----	-----	100	200	Peak
5350	37.64	37.31	0.33	54	-16.36	100	200	Average
5350	49.33	49	0.33	74	-24.67	100	200	Peak
10520	53.04	54.49	-1.45	68.2	-15.16	231	175	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.3	37.88	0.42	54	-15.7	108	99	Average
5150	50.27	49.85	0.42	74	-23.73	108	99	Peak
5260	95.23	95.1	0.13	-----	-----	108	99	Average
5260	103.9	103.77	0.13	-----	-----	108	99	Peak
5350	37.7	37.37	0.33	54	-16.3	108	99	Average
5350	49.01	48.68	0.33	74	-24.99	108	99	Peak
10520	54.81	56.26	-1.45	68.2	-13.39	120	156	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5260 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 60	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.01	37.59	0.42	54	-15.99	100	201	Average
5150	49.37	48.95	0.42	74	-24.63	100	201	Peak
5300	92.59	92.38	0.21	-----	-----	100	201	Average
5300	101.86	101.65	0.21	-----	-----	100	201	Peak
5350	37.77	37.44	0.33	54	-16.23	100	201	Average
5350	49.01	48.68	0.33	74	-24.99	100	201	Peak
10600	47	48.61	-1.61	54	-7	223	148	Average
10600	55.09	56.7	-1.61	74	-18.91	223	148	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	37.92	37.5	0.42	54	-16.08	122	120	Average
5150	49.88	49.46	0.42	74	-24.12	122	120	Peak
5300	93.04	92.83	0.21	-----	-----	122	120	Average
5300	101.66	101.45	0.21	-----	-----	122	120	Peak
5350	37.78	37.45	0.33	54	-16.22	122	120	Average
5350	49.94	49.61	0.33	74	-24.06	122	120	Peak
10600	45.49	47.1	-1.61	54	-8.51	221	167	Average
10600	54.12	55.73	-1.61	74	-19.88	221	167	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5300 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 64	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5320	89.18	88.92	0.26	-----	-----	130	203	Average
5320	97.88	97.62	0.26	-----	-----	130	203	Peak
5350	38.1	37.77	0.33	54	-15.9	130	203	Average
5350	49.25	48.92	0.33	74	-24.75	130	203	Peak
10640	46.49	48.11	-1.62	54	-7.51	265	103	Average
10640	54.49	56.11	-1.62	74	-19.51	265	103	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5320	88.45	88.19	0.26	-----	-----	102	64	Average
5320	97.37	97.11	0.26	-----	-----	102	64	Peak
5350	38.19	37.86	0.33	54	-15.81	102	64	Average
5350	49.85	49.52	0.33	74	-24.15	102	64	Peak
10640	47.09	48.71	-1.62	54	-6.91	98	145	Average
10640	54.16	55.78	-1.62	74	-19.84	98	145	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5320 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 100	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	38.79	38.04	0.75	54	-15.21	259	186	Average
5460	51.87	51.12	0.75	74	-22.13	259	186	Peak
5470	54.78	54.01	0.77	68.2	-13.42	259	186	Peak
5500	89.45	88.56	0.89	-----	-----	259	186	Average
5500	98.72	97.83	0.89	-----	-----	259	186	Peak
5725	47.06	46.19	0.87	68.2	-21.14	259	186	Peak
11000	45.39	46.7	-1.31	54	-8.61	122	236	Average
11000	52.91	54.22	-1.31	74	-21.09	122	236	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	38.65	37.9	0.75	54	-15.35	113	120	Average
5460	49.84	49.09	0.75	74	-24.16	113	120	Peak
5470	54.55	53.78	0.77	68.2	-13.65	113	120	Peak
5500	88.8	87.91	0.89	-----	-----	113	120	Average
5500	97.95	97.06	0.89	-----	-----	113	120	Peak
5725	47.7	46.83	0.87	68.2	-20.5	113	120	Peak
11000	44.79	46.1	-1.31	54	-9.21	221	164	Average
11000	52.36	53.67	-1.31	74	-21.64	221	164	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5500 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 116	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	37.82	37.07	0.75	54	-16.18	100	181	Average
5460	48.91	48.16	0.75	74	-25.09	100	181	Peak
5470	48.66	47.89	0.77	68.2	-19.54	100	181	Peak
5580	89.71	88.91	0.8	-----	-----	100	181	Average
5580	99.18	98.38	0.8	-----	-----	100	181	Peak
5725	53.35	52.48	0.87	68.2	-14.85	100	181	Peak
11160	44.57	46.1	-1.53	54	-9.43	156	122	Average
11160	53.43	54.96	-1.53	74	-20.57	156	122	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	37.66	36.91	0.75	54	-16.34	100	191	Average
5460	49.59	48.84	0.75	74	-24.41	100	191	Peak
5467.5	49.38	48.61	0.77	68.2	-18.82	100	191	Peak
5580	88.98	88.18	0.8	-----	-----	100	191	Average
5580	93.62	92.82	0.8	-----	-----	100	191	Peak
5725	48.64	47.77	0.87	68.2	-19.56	100	191	Peak
11160	46.67	48.2	-1.53	54	-7.33	221	165	Average
11160	54.92	56.45	-1.53	74	-19.08	221	165	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5580 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 140	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	40.11	39.36	0.75	54	-13.89	369	122	Average
5460	49.28	48.53	0.75	74	-24.72	369	122	Peak
5470	48.69	47.92	0.77	68.2	-19.51	369	122	Peak
5700	93.5	92.65	0.85	-----	-----	369	122	Average
5700	100.45	99.6	0.85	-----	-----	369	122	Peak
5725	58.1	57.23	0.87	68.2	-10.1	369	122	Peak
11400	46.96	48.31	-1.35	54	-7.04	221	164	Average
11400	54.95	56.3	-1.35	74	-19.05	221	164	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.32	38.57	0.75	54	-14.68	268	192	Average
5460	48.89	48.14	0.75	74	-25.11	268	192	Peak
5470	47.65	46.88	0.77	68.2	-20.55	268	192	Peak
5700	89.96	89.11	0.85	-----	-----	268	192	Average
5700	96.24	95.39	0.85	-----	-----	268	192	Peak
5725	53.09	52.22	0.87	68.2	-15.11	268	192	Peak
11400	47.86	49.21	-1.35	54	-6.14	223	109	Average
11400	56.4	57.75	-1.35	74	-17.6	223	109	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5700 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 149	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5745	97.1	96.22	0.88	-----	-----	369	120	Average
5745	103.88	103	0.88	-----	-----	369	120	Peak
11490	44.88	46.2	-1.32	54	-9.12	162	162	Average
11490	55.12	56.44	-1.32	74	-18.88	162	162	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5745	93.92	93.04	0.88	-----	-----	207	138	Average
5745	101.21	100.33	0.88	-----	-----	207	138	Peak
11490	45.24	46.56	-1.32	54	-8.76	175	182	Average
11490	55.09	56.41	-1.32	74	-18.91	175	182	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5642.15	50.35	49.67	0.68	68.2	-17.85	369	120	Peak
5651.65	51.44	50.75	0.69	69.43	-17.99	369	120	Peak
5920.025	51.13	49.83	1.3	71.87	-20.74	369	120	Peak
5947.1	52.27	50.95	1.32	68.2	-15.93	369	120	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5646.425	50.07	49.4	0.67	68.2	-18.13	207	138	Peak
5659.725	50.96	50.29	0.67	75.42	-24.46	207	138	Peak
5917.65	50.44	49.14	1.3	73.62	-23.18	207	138	Peak
5929.525	51.95	50.65	1.3	68.2	-16.25	207	138	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5745 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 157	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5785	94.71	93.79	0.92	-----	-----	400	120	Average
5785	101.97	101.05	0.92	-----	-----	400	120	Peak
11570	44.07	45.78	-1.71	54	-9.93	234	113	Average
11570	54.25	55.96	-1.71	74	-19.75	234	113	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5785	91.02	90.1	0.92	-----	-----	364	164	Average
5785	98.02	97.1	0.92	-----	-----	364	164	Peak
11570	44.12	45.83	-1.71	54	-9.88	183	230	Average
11570	54.28	55.99	-1.71	74	-19.72	183	230	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5550.95	50.82	49.95	0.87	68.2	-17.38	400	120	Peak
5658.775	50.7	50.04	0.66	74.72	-24.02	400	120	Peak
5919.55	51.47	50.17	1.3	72.22	-20.75	400	120	Peak
6018.35	51.38	49.94	1.44	68.2	-16.82	400	120	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5575.175	50.19	49.35	0.84	68.2	-18.01	364	164	Peak
5657.35	49.46	48.8	0.66	73.66	-24.2	364	164	Peak
5923.825	50.45	49.15	1.3	69.07	-18.62	364	164	Peak
5999.825	52.17	50.79	1.38	68.2	-16.03	364	164	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5785 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 165	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5825	93.8	92.74	1.06	-----	-----	400	111	Average
5825	100.79	99.73	1.06	-----	-----	400	111	Peak
11650	43.48	45.54	-2.06	54	-10.52	139	236	Average
11650	53.75	55.81	-2.06	74	-20.25	139	236	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5825	92.72	91.66	1.06	-----	-----	133	188	Average
5825	99.41	98.35	1.06	-----	-----	133	188	Peak
11650	42.69	44.75	-2.06	54	-11.31	298	67	Average
11650	52.9	54.96	-2.06	74	-21.1	298	67	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5590.375	50.21	49.42	0.79	68.2	-17.99	400	111	Peak
5654.5	49.81	49.17	0.64	71.54	-21.73	400	111	Peak
5923.825	50.56	49.26	1.3	69.07	-18.51	400	111	Peak
5976.55	50.91	49.56	1.35	68.2	-17.29	400	111	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5580.4	50.16	49.36	0.8	68.2	-18.04	133	188	Peak
5658.775	48.43	47.77	0.66	74.72	-26.29	133	188	Peak
5923.35	50.61	49.31	1.3	69.42	-18.81	133	188	Peak
5961.35	52.58	51.26	1.32	68.2	-15.62	133	188	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5825 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

802.11ax (HE20)

EUT Test Condition		Measurement Detail	
Channel	Channel 36	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	40.31	39.89	0.42	54	-13.69	102	193	Average
5150	50.4	49.98	0.42	74	-23.6	102	193	Peak
5180	93.61	93.35	0.26	-----	-----	102	193	Average
5180	103.2	102.94	0.26	-----	-----	102	193	Peak
10360	52.9	54.82	-1.92	68.2	-15.3	100	259	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	41.17	40.75	0.42	54	-12.83	210	264	Average
5150	49.22	48.8	0.42	74	-24.78	210	264	Peak
5180	96.91	96.65	0.26	-----	-----	210	264	Average
5180	104.97	104.71	0.26	-----	-----	210	264	Peak
10360	52.69	54.61	-1.92	68.2	-15.51	237	167	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5180 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 40	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.92	39.5	0.42	54	-14.08	100	186	Average
5150	47.64	47.22	0.42	74	-26.36	100	186	Peak
5200	94.99	94.85	0.14	-----	-----	100	186	Average
5200	103.63	103.49	0.14	-----	-----	100	186	Peak
5350	39.65	39.32	0.33	54	-14.35	100	186	Average
5350	48.06	47.73	0.33	74	-25.94	100	186	Peak
10400	54.65	56.47	-1.82	68.2	-13.55	145	269	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	50.05	49.63	0.42	74	-23.95	206	262	Peak
5150	40.27	39.85	0.42	54	-13.73	206	262	Peak
5200	98.93	98.79	0.14	-----	-----	209	262	Average
5200	107.42	107.28	0.14	-----	-----	209	262	Peak
5350	40.13	39.8	0.33	54	-13.87	206	262	Average
5350	49.9	49.57	0.33	74	-24.1	206	262	Peak
10400	52.77	54.59	-1.82	68.2	-15.43	311	44	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5200 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 48	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.73	39.31	0.42	54	-14.27	100	186	Average
5150	47.71	47.29	0.42	74	-26.29	100	186	Peak
5240	94.97	94.87	0.1	-----	-----	100	186	Average
5240	103.37	103.27	0.1	-----	-----	100	186	Peak
5350	39.65	39.32	0.33	54	-14.35	100	186	Average
5350	47.43	47.1	0.33	74	-26.57	100	186	Peak
10480	54.36	55.84	-1.48	68.2	-13.84	233	206	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.93	39.51	0.42	54	-14.07	203	264	Average
5150	50.97	50.55	0.42	74	-23.03	203	264	Peak
5240	99.8	99.7	0.1	-----	-----	203	264	Average
5240	108.17	108.07	0.1	-----	-----	203	264	Peak
5350	40.21	39.88	0.33	54	-13.79	203	264	Average
5350	49.59	49.26	0.33	74	-24.41	203	264	Peak
10480	53.88	55.36	-1.48	68.2	-14.32	100	359	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5240 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 52	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.59	39.17	0.42	54	-14.41	109	184	Average
5150	48.95	48.53	0.42	74	-25.05	109	184	Peak
5260	95.79	95.66	0.13	-----	-----	109	184	Average
5260	104.32	104.19	0.13	-----	-----	109	184	Peak
5350	39.59	39.26	0.33	54	-14.41	109	184	Average
5350	49.5	49.17	0.33	74	-24.5	109	184	Peak
10520	56.73	58.18	-1.45	68.2	-11.47	200	174	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.92	39.5	0.42	54	-14.08	213	265	Average
5150	49.84	49.42	0.42	74	-24.16	213	265	Peak
5260	100.21	100.08	0.13	-----	-----	213	265	Average
5260	108.78	108.65	0.13	-----	-----	213	265	Peak
5350	40.53	40.2	0.33	54	-13.47	213	265	Average
5350	48.31	47.98	0.33	74	-25.69	213	265	Peak
10520	55.86	57.31	-1.45	68.2	-12.34	213	351	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5260 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 60	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.59	39.17	0.42	54	-14.41	100	183	Average
5150	48.56	48.14	0.42	74	-25.44	100	183	Peak
5300	95.44	95.23	0.21	-----	-----	100	183	Average
5300	103.62	103.41	0.21	-----	-----	100	183	Peak
5350	40.05	39.72	0.33	54	-13.95	100	183	Average
5350	48.79	48.46	0.33	74	-25.21	100	183	Peak
10600	44.54	46.15	-1.61	54	-9.46	200	255	Average
10600	54.49	56.1	-1.61	74	-19.51	200	255	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.76	39.34	0.42	54	-14.24	215	272	Average
5150	49.62	49.2	0.42	74	-24.38	215	272	Peak
5300	99.86	99.65	0.21	-----	-----	215	272	Average
5300	107.95	107.74	0.21	-----	-----	215	272	Peak
5350	41.47	41.14	0.33	54	-12.53	215	272	Average
5350	50.01	49.68	0.33	74	-23.99	215	272	Peak
10600	44.63	46.24	-1.61	54	-9.37	200	76	Average
10600	54.55	56.16	-1.61	74	-19.45	200	76	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5300 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 64	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5320	91.66	91.4	0.26	-----	-----	106	182	Average
5320	99.92	99.66	0.26	-----	-----	106	182	Peak
5350	40.4	40.07	0.33	54	-13.6	106	182	Average
5350	49.08	48.75	0.33	74	-24.92	106	182	Peak
10640	44.92	46.54	-1.62	54	-9.08	177	235	Average
10640	55.03	56.65	-1.62	74	-18.97	177	235	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5320	96.19	95.93	0.26	-----	-----	212	278	Average
5320	104.15	103.89	0.26	-----	-----	212	278	Peak
5350	40.87	40.54	0.33	54	-13.13	212	278	Average
5350	50.64	50.31	0.33	74	-23.36	212	278	Peak
10640	45.42	47.04	-1.62	54	-8.58	184	216	Average
10640	56.39	58.01	-1.62	74	-17.61	184	216	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5320 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 100	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	40.98	40.23	0.75	54	-13.02	267	183	Average
5460	47.57	46.82	0.75	74	-26.43	267	183	Peak
5470	49.8	49.03	0.77	68.2	-18.4	267	183	Peak
5500	94.63	93.74	0.89	-----	-----	267	183	Average
5500	104.16	103.27	0.89	-----	-----	267	183	Peak
5725	49.49	48.62	0.87	68.2	-18.71	267	183	Peak
11000	44.31	45.62	-1.31	54	-9.69	274	341	Average
11000	54.54	55.85	-1.31	74	-19.46	274	341	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	42.22	41.47	0.75	54	-11.78	302	307	Average
5460	49.88	49.13	0.75	74	-24.12	302	307	Peak
5470	53.69	52.92	0.77	68.2	-14.51	302	307	Peak
5500	97.07	96.18	0.89	-----	-----	302	307	Average
5500	105.83	104.94	0.89	-----	-----	302	307	Peak
5725	48.48	47.61	0.87	68.2	-19.72	302	307	Peak
11000	44.29	45.6	-1.31	54	-9.71	185	255	Average
11000	54.36	55.67	-1.31	74	-19.64	185	255	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5500 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 116	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.86	39.11	0.75	54	-14.14	270	179	Average
5460	49.35	48.6	0.75	74	-24.65	270	179	Peak
5470	49.03	48.26	0.77	68.2	-19.17	270	179	Peak
5580	94.94	94.14	0.8	-----	-----	270	179	Average
5580	102.95	102.15	0.8	-----	-----	270	179	Peak
5725	49.5	48.63	0.87	68.2	-18.7	270	179	Peak
11160	44.96	46.49	-1.53	54	-9.04	137	294	Average
11160	55.05	56.58	-1.53	74	-18.95	137	294	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	40.08	39.33	0.75	54	-13.92	301	195	Average
5460	49.46	48.71	0.75	74	-24.54	301	195	Peak
5470	49.6	48.83	0.77	68.2	-18.6	301	195	Peak
5580	97.07	96.27	0.8	-----	-----	301	195	Average
5580	105.52	104.72	0.8	-----	-----	301	195	Peak
5725	50.94	50.07	0.87	68.2	-17.26	301	195	Peak
11160	45.22	46.75	-1.53	54	-8.78	189	79	Average
11160	55.35	56.88	-1.53	74	-18.65	189	79	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5580 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 140	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.63	38.88	0.75	54	-14.37	221	139	Average
5460	49.51	48.76	0.75	74	-24.49	221	139	Peak
5470	48.71	47.94	0.77	68.2	-19.49	221	139	Peak
5700	91.94	91.09	0.85	-----	-----	221	139	Average
5700	100.8	99.95	0.85	-----	-----	221	139	Peak
5725	50.91	50.04	0.87	68.2	-17.29	221	139	Peak
11400	45.81	47.16	-1.35	54	-8.19	287	184	Average
11400	57.27	58.62	-1.35	74	-16.73	287	184	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.69	38.94	0.75	54	-14.31	397	289	Average
5460	49.2	48.45	0.75	74	-24.8	397	289	Peak
5470	49.66	48.89	0.77	68.2	-18.54	397	289	Peak
5700	95.18	94.33	0.85	-----	-----	397	289	Average
5700	103.37	102.52	0.85	-----	-----	397	289	Peak
5725	50.19	49.32	0.87	68.2	-18.01	397	289	Peak
11400	45.66	47.01	-1.35	54	-8.34	236	319	Average
11400	56.7	58.05	-1.35	74	-17.3	236	319	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5700 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 144	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	37.6	36.85	0.75	54	-16.4	203	135	Average
5460	48.83	63.22	-14.39	74	-25.17	203	135	Peak
5470	48.33	47.56	0.77	68.2	-19.87	203	135	Peak
5720	92.65	91.79	0.86	-----	-----	203	135	Average
5720	101.47	100.61	0.86	-----	-----	203	135	Peak
5850	49.29	48.13	1.16	68.2	-18.91	203	135	Peak
11440	45.56	46.89	-1.33	54	-8.44	212	305	Average
11440	55.67	57	-1.33	74	-18.33	212	305	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	37.83	37.08	0.75	54	-16.17	387	268	Average
5460	48.59	47.84	0.75	74	-25.41	387	268	Peak
5470	47.67	46.9	0.77	68.2	-20.53	387	268	Peak
5720	94.68	93.82	0.86	-----	-----	387	268	Average
5720	103.36	102.5	0.86	-----	-----	387	268	Peak
5850	49.72	48.56	1.16	68.2	-18.48	387	268	Peak
11440	45.99	47.32	-1.33	54	-8.01	178	148	Average
11440	56.45	57.78	-1.33	74	-17.55	178	148	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5720 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 149	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5745	95.3	94.42	0.88	-----	-----	210	134	Average
5745	103.43	102.55	0.88	-----	-----	210	134	Peak
11490	45.8	47.12	-1.32	54	-8.2	162	80	Average
11490	55.83	57.15	-1.32	74	-18.17	162	80	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5745	95.88	95	0.88	-----	-----	400	269	Average
5745	103.57	102.69	0.88	-----	-----	400	269	Peak
11490	46.7	48.02	-1.32	54	-7.3	269	341	Average
11490	56.92	58.24	-1.32	74	-17.08	269	341	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5607.95	50.13	49.4	0.73	68.2	-18.07	210	134	Peak
5654.5	48.82	48.18	0.64	71.54	-22.72	210	134	Peak
5923.35	49.69	48.39	1.3	69.42	-19.73	210	134	Peak
6009.325	50.88	49.48	1.4	68.2	-17.32	210	134	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5611.75	49.71	48.98	0.73	68.2	-18.49	400	269	Peak
5655.45	49.1	48.45	0.65	72.25	-23.15	400	269	Peak
5917.65	50.49	49.19	1.3	73.62	-23.13	400	269	Peak
6005.525	51.2	49.81	1.39	68.2	-17	400	269	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5745 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 157	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5785	94.57	93.65	0.92	-----	-----	197	134	Average
5785	102.22	101.3	0.92	-----	-----	197	134	Peak
11570	45.33	47.04	-1.71	54	-8.67	180	280	Average
11570	54.38	56.09	-1.71	74	-19.62	180	280	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5785	95.67	94.75	0.92	-----	-----	397	260	Average
5785	104.14	103.22	0.92	-----	-----	397	260	Peak
11570	44.93	46.64	-1.71	54	-9.07	122	51	Average
11570	54.12	55.83	-1.71	74	-19.88	122	51	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5564.725	49.74	48.91	0.83	68.2	-18.46	197	134	Peak
5653.075	48.52	47.82	0.7	70.49	-21.97	197	134	Peak
5919.55	50.19	48.89	1.3	72.22	-22.03	197	134	Peak
5976.55	50.78	49.43	1.35	68.2	-17.42	197	134	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5618.875	49.84	49.11	0.73	68.2	-18.36	397	260	Peak
5658.775	49.33	48.67	0.66	74.72	-25.39	397	260	Peak
5920.975	49.62	48.32	1.3	71.17	-21.55	397	260	Peak
6005.05	50.74	49.35	1.39	68.2	-17.46	397	260	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5785 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 165	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5825	94.5	93.44	1.06	-----	-----	199	169	Average
5825	103.05	101.99	1.06	-----	-----	199	169	Peak
11650	44.06	46.12	-2.06	54	-9.94	227	66	Average
11650	54.12	56.18	-2.06	74	-19.88	227	66	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5825	95.14	94.08	1.06	-----	-----	397	294	Average
5825	103.12	102.06	1.06	-----	-----	397	294	Peak
11650	43.25	45.31	-2.06	54	-10.75	229	357	Average
11650	53.28	55.34	-2.06	74	-20.72	229	357	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5629.325	50.3	49.62	0.68	68.2	-17.9	199	169	Peak
5659.25	49.02	48.35	0.67	75.07	-26.05	199	169	Peak
5922.4	48.93	47.63	1.3	70.12	-21.19	199	169	Peak
5965.15	51.27	49.93	1.34	68.2	-16.93	199	169	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5630.275	49.73	49.05	0.68	68.2	-18.47	397	294	Peak
5653.55	49.08	48.38	0.7	70.84	-21.76	397	294	Peak
5919.55	50.26	48.96	1.3	72.22	-21.96	397	294	Peak
6009.325	50.59	49.19	1.4	68.2	-17.61	397	294	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5825 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

802.11ax (HE40)

EUT Test Condition		Measurement Detail	
Channel	Channel 38	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.8	39.38	0.42	54	-14.2	102	184	Average
5150	50.41	49.99	0.42	74	-23.59	102	184	Peak
5190	88.54	88.34	0.2	-----	-----	102	184	Average
5190	97.23	97.03	0.2	-----	-----	102	184	Peak
5350	38.85	38.52	0.33	54	-15.15	102	184	Average
5350	47.22	46.89	0.33	74	-26.78	102	184	Peak
10380	54.09	55.95	-1.86	68.2	-14.11	221	306	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	40.62	40.2	0.42	54	-13.38	400	263	Average
5150	47.03	46.61	0.42	74	-26.97	400	263	Peak
5190	91.97	91.77	0.2	-----	-----	400	263	Average
5190	101.95	101.75	0.2	-----	-----	400	263	Peak
5350	39.18	38.85	0.33	54	-14.82	400	263	Average
5350	48.12	47.79	0.33	74	-25.88	400	263	Peak
10380	54.57	56.43	-1.86	68.2	-13.63	105	180	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5190 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 46	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.62	39.2	0.42	54	-14.38	103	183	Average
5150	47.58	47.16	0.42	74	-26.42	103	183	Peak
5230	91.1	90.98	0.12	-----	-----	103	183	Average
5230	101.33	101.21	0.12	-----	-----	103	183	Peak
5350	39.1	38.77	0.33	54	-14.9	103	183	Average
5350	46.57	46.24	0.33	74	-27.43	103	183	Peak
10460	54.43	56.02	-1.59	68.2	-13.77	237	158	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.77	54.32	-14.55	54	-14.23	393	262	Average
5150	49.37	48.95	0.42	74	-24.63	393	262	Peak
5230	94.1	93.98	0.12	-----	-----	393	262	Average
5230	102.15	102.03	0.12	-----	-----	393	262	Peak
5350	39.85	39.52	0.33	54	-14.15	393	262	Average
5350	48.97	48.64	0.33	74	-25.03	393	262	Peak
10460	54.28	55.87	-1.59	68.2	-13.92	125	267	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5230 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 54	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.81	38.39	0.42	54	-15.19	100	182	Average
5150	48.28	47.86	0.42	74	-25.72	100	182	Peak
5270	90.96	90.83	0.13	-----	-----	100	182	Average
5270	99.76	99.63	0.13	-----	-----	100	182	Peak
5350	39.55	39.22	0.33	54	-14.45	100	182	Average
5350	49.61	49.28	0.33	74	-24.39	100	182	Peak
10540	54.39	55.88	-1.49	68.2	-13.81	238	258	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.22	38.8	0.42	54	-14.78	384	264	Average
5150	50.08	49.66	0.42	74	-23.92	384	264	Peak
5270	93.63	93.5	0.13	-----	-----	384	264	Average
5270	103.93	103.8	0.13	-----	-----	384	264	Peak
5350	40.72	40.39	0.33	54	-13.28	384	264	Average
5350	48.92	48.59	0.33	74	-25.08	384	264	Peak
10540	54.98	56.47	-1.49	68.2	-13.22	145	218	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5270 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 62	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.72	38.3	0.42	54	-15.28	100	182	Average
5150	48.98	48.56	0.42	74	-25.02	100	182	Peak
5310	86.94	86.71	0.23	-----	-----	100	182	Average
5310	97.98	97.75	0.23	-----	-----	100	182	Peak
5350	39.73	39.4	0.33	54	-14.27	100	182	Average
5350	48.43	48.1	0.33	74	-25.57	100	182	Peak
10620	44.08	45.7	-1.62	54	-9.92	138	275	Average
10620	54.39	56.01	-1.62	74	-19.61	138	275	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.83	38.41	0.42	54	-15.17	400	263	Average
5150	50.06	49.64	0.42	74	-23.94	400	263	Peak
5310	90.23	90	0.23	-----	-----	400	263	Average
5310	98.73	98.5	0.23	-----	-----	400	263	Peak
5350	39.43	39.1	0.33	54	-14.57	400	263	Average
5350	48.68	48.35	0.33	74	-25.32	400	263	Peak
10620	46.16	47.78	-1.62	54	-7.84	158	313	Average
10620	56.19	57.81	-1.62	74	-17.81	158	313	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5310 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 102	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	41.32	40.57	0.75	54	-12.68	257	182	Average
5460	50.15	49.4	0.75	74	-23.85	257	182	Peak
5470	51.4	50.63	0.77	68.2	-16.8	257	182	Peak
5510	89.58	88.71	0.87	-----	-----	257	182	Average
5510	98.83	97.96	0.87	-----	-----	257	182	Peak
5725	49.74	48.87	0.87	68.2	-18.46	257	182	Peak
11020	45.87	47.2	-1.33	54	-8.13	174	259	Average
11020	55.03	56.36	-1.33	74	-18.97	174	259	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	41.93	41.18	0.75	54	-12.07	301	316	Average
5460	49.54	48.79	0.75	74	-24.46	301	316	Peak
5470	52.56	51.79	0.77	68.2	-15.64	301	316	Peak
5510	92.62	91.75	0.87	-----	-----	301	316	Average
5510	101.3	100.43	0.87	-----	-----	301	316	Peak
5725	49.38	48.51	0.87	68.2	-18.82	301	316	Peak
11020	45.75	47.08	-1.33	54	-8.25	259	163	Average
11020	54.82	56.15	-1.33	74	-19.18	259	163	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5510 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 110	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.92	39.17	0.75	54	-14.08	257	181	Average
5460	48.82	48.07	0.75	74	-25.18	257	181	Peak
5470	49.16	48.39	0.77	68.2	-19.04	257	181	Peak
5550	91.31	90.44	0.87	-----	-----	257	181	Average
5550	100.32	99.45	0.87	-----	-----	257	181	Peak
5725	49.73	48.86	0.87	68.2	-18.47	257	181	Peak
11100	45.76	47.15	-1.39	54	-8.24	264	169	Average
11100	54.8	56.19	-1.39	74	-19.2	264	169	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	40.83	40.08	0.75	54	-13.17	304	308	Average
5460	49.58	48.83	0.75	74	-24.42	304	308	Peak
5470	50.1	49.33	0.77	68.2	-18.1	304	308	Peak
5550	93.41	92.54	0.87	-----	-----	304	308	Average
5550	102.1	101.23	0.87	-----	-----	304	308	Peak
5725	49.14	48.27	0.87	68.2	-19.06	304	308	Peak
11100	45.25	46.64	-1.39	54	-8.75	342	245	Average
11100	53.13	54.52	-1.39	74	-20.87	342	245	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5550 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 134	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.1	38.35	0.75	54	-14.9	257	171	Average
5460	47.89	47.14	0.75	74	-26.11	257	171	Peak
5470	47.38	46.61	0.77	68.2	-20.82	257	171	Peak
5670	90.19	89.46	0.73	-----	-----	257	171	Average
5670	99.88	99.15	0.73	-----	-----	257	171	Peak
5725	56.01	55.14	0.87	68.2	-12.19	257	171	Peak
11340	46.44	48.05	-1.61	54	-7.56	137	254	Average
11340	56.62	58.23	-1.61	74	-17.38	137	254	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.38	38.63	0.75	54	-14.62	397	260	Average
5460	49.13	48.38	0.75	74	-24.87	397	260	Peak
5470	48.92	48.15	0.77	68.2	-19.28	397	260	Peak
5670	92.95	92.22	0.73	-----	-----	397	260	Average
5670	100.8	100.07	0.73	-----	-----	397	260	Peak
5725	52.74	51.87	0.87	68.2	-15.46	397	260	Peak
11340	45.4	47.01	-1.61	54	-8.6	349	228	Average
11340	55.41	57.02	-1.61	74	-18.59	349	228	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5670 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 142	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.03	38.28	0.75	54	-14.97	258	174	Average
5460	49.29	48.54	0.75	74	-24.71	258	174	Peak
5470	49.8	49.03	0.77	68.2	-18.4	258	174	Peak
5710	93.12	92.28	0.84	-----	-----	258	174	Average
5710	102.48	101.64	0.84	-----	-----	258	174	Peak
5850	50.8	49.64	1.16	68.2	-17.4	258	174	Peak
11420	45.5	46.85	-1.35	54	-8.5	182	197	Average
11420	55.41	56.76	-1.35	74	-18.59	182	197	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5460	39.28	38.53	0.75	54	-14.72	393	281	Average
5460	49.29	48.54	0.75	74	-24.71	393	281	Peak
5470	48.62	47.85	0.77	68.2	-19.58	393	281	Peak
5710	94.72	93.88	0.84	-----	-----	393	281	Average
5710	103.83	102.99	0.84	-----	-----	393	281	Peak
5850	51.42	50.26	1.16	68.2	-16.78	393	281	Peak
11420	45.09	46.44	-1.35	54	-8.91	278	230	Average
11420	55.36	56.71	-1.35	74	-18.64	278	230	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5710 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 151	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5755	92.23	91.32	0.91	-----	-----	260	173	Average
5755	102.31	101.4	0.91	-----	-----	260	173	Peak
11510	46.51	47.86	-1.35	54	-7.49	295	96	Average
11510	55.27	56.62	-1.35	74	-18.73	295	96	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5755	93.35	92.44	0.91	-----	-----	400	261	Average
5755	102.92	102.01	0.91	-----	-----	400	261	Peak
11510	45.08	46.43	-1.35	54	-8.92	365	86	Average
11510	53.55	54.9	-1.35	74	-20.45	365	86	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5643.575	50.42	49.74	0.68	68.2	-17.78	260	173	Peak
5656.875	52.1	51.45	0.65	73.31	-21.21	260	173	Peak
5920.025	49.86	48.56	1.3	71.87	-22.01	260	173	Peak
5956.6	50.7	49.37	1.33	68.2	-17.5	260	173	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5632.175	50.9	50.23	0.67	68.2	-17.3	400	261	Peak
5651.65	53.37	52.68	0.69	69.43	-16.06	400	261	Peak
5922.875	50.43	49.13	1.3	69.77	-19.34	400	261	Peak
6004.1	50.54	49.15	1.39	68.2	-17.66	400	261	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5755 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 159	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

<Spurious Emission>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5795	91.12	90.17	0.95	-----	-----	272	177	Average
5795	100.07	99.12	0.95	-----	-----	272	177	Peak
11590	46.79	48.59	-1.8	54	-7.21	236	176	Average
11590	55.54	57.34	-1.8	74	-18.46	236	176	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5795	92.08	91.13	0.95	-----	-----	398	258	Average
5795	100.56	99.61	0.95	-----	-----	398	258	Peak
11590	45.32	47.12	-1.8	54	-8.68	189	53	Average
11590	53.44	55.24	-1.8	74	-20.56	189	53	Peak

<Out of Band Emission (OOBE)>

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5641.675	51.19	50.51	0.68	68.2	-17.01	272	177	Peak
5655.925	49.29	48.64	0.65	72.6	-23.31	272	177	Peak
5922.4	50.48	49.18	1.3	70.12	-19.64	272	177	Peak
5964.675	51.13	49.8	1.33	68.2	-17.07	272	177	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5628.85	50.92	12.96	37.96	68.2	-17.28	398	258	Peak
5651.175	49.35	11.38	37.97	69.07	-19.72	398	258	Peak
5924.3	49.82	11.02	38.8	68.72	-18.9	398	258	Peak
5972.75	51.7	12.85	38.85	68.2	-16.5	398	258	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5795 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

802.11ax (HE80)

EUT Test Condition		Measurement Detail	
Channel	Channel 42	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	39.64	39.22	0.42	54	-14.36	111	200	Average
5150	46.73	46.31	0.42	74	-27.27	111	200	Peak
5210	85.37	85.25	0.12	-----	-----	111	200	Average
5210	94.39	94.27	0.12	-----	-----	111	200	Peak
5350	38.74	38.41	0.33	54	-15.26	111	200	Average
5350	46.41	46.08	0.33	74	-27.59	111	200	Peak
10420	54.93	56.67	-1.74	68.2	-13.27	131	262	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	40.81	40.39	0.42	54	-13.19	247	271	Average
5150	48.22	47.8	0.42	74	-25.78	247	271	Peak
5210	88.03	87.91	0.12	-----	-----	247	271	Average
5210	97.67	97.55	0.12	-----	-----	247	271	Peak
5350	39.83	39.5	0.33	54	-14.17	247	271	Average
5350	48.25	47.92	0.33	74	-25.75	247	271	Peak
10420	53.62	55.36	-1.74	68.2	-14.58	121	235	Peak

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- 5210 MHz: Fundamental Frequency
- *: Out of Restricted Band
- The emission levels of other frequencies were very low against the limit

EUT Test Condition		Measurement Detail	
Channel	Channel 58	Frequency Range	1 GHz ~ 40 GHz
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Tim Chen

Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.39	37.97	0.42	54	-15.61	104	199	Average
5150	46.33	45.91	0.42	74	-27.67	104	199	Peak
5290	83.5	83.33	0.17	-----	-----	104	199	Average
5290	92.72	92.55	0.17	-----	-----	104	199	Peak
5350	39.34	39.01	0.33	54	-14.66	104	199	Average
5350	46.63	46.3	0.33	74	-27.37	104	199	Peak
10580	55.62	57.19	-1.57	68.2	-12.58	89	221	Peak
Antenna Polarity & Test Distance: Vertical at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
5150	38.59	38.17	0.42	54	-15.41	235	296	Average
5150	45.68	45.26	0.42	74	-28.32	235	296	Peak
5290	86.91	86.74	0.17	-----	-----	235	296	Average
5290	97.02	96.85	0.17	-----	-----	235	296	Peak
5350	41.89	41.56	0.33	54	-12.11	235	296	Average
5350	51.64	51.31	0.33	74	-22.36	235	296	Peak
10580	54.93	56.5	-1.57	68.2	-13.27	158	132	Peak

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 5290 MHz: Fundamental Frequency
3. *: Out of Restricted Band
4. The emission levels of other frequencies were very low against the limit