

## FCC Test Report

**Report No.:** RF200605C24-3 R1

**FCC ID:** V65E7110

**Test Model:** E7110

**Received Date:** Jun. 29, 2020

**Test Date:** Jul. 30, 2020 ~ Aug. 26, 2020

**Issued Date:** Nov. 17, 2020

**Applicant:** Kyocera Corporation % Kyocera International, Inc.

**Address:** 8611 Balboa Avenue, San Diego, CA 92123

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**Test Location:** No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City  
33383, Taiwan

**FCC Registration /  
Designation Number:** 788550 / TW0003



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### Release Control Record

Issue No.	Description	Date Issued
RF200605C24-3	Original Release	Oct. 16, 2020
RF200605C24-3 R1	Revise applicant and accessory information	Nov. 17, 2020

## 1 Certificate of Conformity

**Product:** Smart Phone

**Brand:** Kyocera

**Test Model:** E7110

**Sample Status:** Identical Prototype

**Applicant:** Kyocera Corporation % Kyocera International, Inc.

**Test Date:** Jul. 30, 2020 ~ Aug. 26, 2020

**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:** Nov. 17, 2020  
Shelly Hsueh / Specialist

**Approved by :** Dylan Chiou , **Date:** Nov. 17, 2020  
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 -20.04 dB at 11.65 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 -0.55 dB at 5460 MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used.

Note:

- For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOB test plots were recorded in Annex A.
- 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.
- 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) (±)
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

<b>Product</b>	Smart Phone
<b>Brand</b>	Kyocera
<b>Test Model</b>	E7110
<b>Status of EUT</b>	Identical Prototype
<b>Power Supply Rating</b>	3.85 Vdc (Li-ion battery) 5 Vdc / 9 Vdc / 12 Vdc (adapter)
<b>Modulation Type</b>	256QAM, 64QAM, 16QAM, QPSK, BPSK
<b>Modulation Technology</b>	OFDM
<b>Transfer Rate</b>	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0 Mbps 802.11n: up to MCS7 802.11ac: up to 866.7 Mbps
<b>Operating Frequency</b>	5180 ~ 5240 MHz, 5260 ~ 5320 MHz, 5500 ~ 5720 MHz, 5745 ~ 5825 MHz
<b>Number of Channel</b>	5180 ~ 5240 MHz: 4 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80) 5260 ~ 5320 MHz: 4 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80) 5500 ~ 5720 MHz: 12 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 6 for 802.11n (HT40), 802.11ac (VHT40) 3 for 802.11ac (VHT80) 5745 ~ 5825 MHz: 5 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80)
<b>Output Power</b>	69.588 mW for 5180 ~ 5240 MHz 69.989 mW for 5260 ~ 5320 MHz 43.974 mW for 5500 ~ 5720 MHz 44.966 mW for 5745 ~ 5825 MHz
<b>Antenna Type</b>	Fixed Internal antenna with 0 dBi gain (CH0) Fixed Internal antenna with 1.5 dBi gain (CH1)
<b>Antenna Connector</b>	N/A
<b>Accessory Device</b>	Refer to Note as below
<b>Data Cable Supplied</b>	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	2TX
802.11n (HT20)	2TX
802.11n (HT40)	2TX
802.11ac (VHT20)	2TX
802.11ac (VHT40)	2TX
802.11ac (VHT80)	2TX

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

2. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter	Kyocera	SCP-53ADT	I/P: 100-240 Vac, 50/60 Hz, 0.6 A O/P: 5 Vdc, 3 A; 9 Vdc, 3 A; 15 Vdc, 1.8 A; 20 Vdc, 1.35 A
USB Cable	Kyocera	SCP-27SDC	--

3. 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.
4. 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 ~ 5240 MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240

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

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
42	5210

#### For 5260 ~ 5320 MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
56	5280	64	5320

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

Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	62	5310

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
58	5290

**For 5500 ~ 5720 MHz**

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

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):

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):

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

**For 5745 ~ 5825 MHz:**

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

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):

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

1 channel is provided for 802.11ac (VHT80):

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	APCM	
-	√	√	√	√	-

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

**Note:**

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.
2. "-" means no effect.

#### **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)
-	5180-5240	802.11a	36 to 48	36, 40, 48	OFDM	BPSK	6.0
-		802.11n (HT20)	36 to 48	36, 40, 48	OFDM	BPSK	6.5
-		802.11n (HT40)	38 to 46	38, 46	OFDM	BPSK	13.5
-		802.11ac (VHT80)	42	42	OFDM	BPSK	29.3
-	5260-5320	802.11a	52 to 64	52, 60, 64	OFDM	BPSK	6.0
-		802.11n (HT20)	52 to 64	52, 60, 64	OFDM	BPSK	6.5
-		802.11n (HT40)	54 to 62	54, 62	OFDM	BPSK	13.5
-		802.11ac (VHT80)	58	58	OFDM	BPSK	29.3
-	5500-5720	802.11a	100 to 144	100, 116, 140, 144	OFDM	BPSK	6.0
-		802.11n (HT20)	100 to 144	100, 116, 140, 144	OFDM	BPSK	6.5
-		802.11n (HT40)	102 to 142	102, 110, 134, 142	OFDM	BPSK	13.5
-		802.11ac (VHT80)	106 to 138	106, 122, 138	OFDM	BPSK	29.3
-	5745-5825	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0
-		802.11n (HT20)	149 to 165	149, 157, 165	OFDM	BPSK	6.5
-		802.11n (HT40)	151 to 159	151, 159	OFDM	BPSK	13.5
-		802.11ac (VHT80)	155	155	OFDM	BPSK	29.3

#### **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)
-	5500-5720	802.11ac (VHT80)	106 to 138	106	OFDM	BPSK	29.3

**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)
-	5500-5720	802.11ac (VHT80)	106 to 138	106	OFDM	BPSK	29.3

**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	Frequency Band (MHz)	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	5180-5240	802.11a	36 to 48	36, 40, 48	OFDM	BPSK	6.0
-		802.11n (HT20)	36 to 48	36, 40, 48	OFDM	BPSK	6.5
-		802.11n (HT40)	38 to 46	38, 46	OFDM	BPSK	13.5
-		802.11ac (VHT80)	42	42	OFDM	BPSK	29.3
-	5260-5320	802.11a	52 to 64	52, 60, 64	OFDM	BPSK	6.0
-		802.11n (HT20)	52 to 64	52, 60, 64	OFDM	BPSK	6.5
-		802.11n (HT40)	54 to 62	54, 62	OFDM	BPSK	13.5
-		802.11ac (VHT80)	58	58	OFDM	BPSK	29.3
-	5500-5720	802.11a	100 to 144	100, 116, 140, 144	OFDM	BPSK	6.0
-		802.11n (HT20)	100 to 144	100, 116, 140, 144	OFDM	BPSK	6.5
-		802.11n (HT40)	102 to 142	102, 110, 134, 142	OFDM	BPSK	13.5
-		802.11ac (VHT80)	106 to 138	106, 122, 138	OFDM	BPSK	29.3
-	5745-5825	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0
-		802.11n (HT20)	149 to 165	149, 157, 165	OFDM	BPSK	6.5
-		802.11n (HT40)	151 to 159	151, 159	OFDM	BPSK	13.5
-		802.11ac (VHT80)	155	155	OFDM	BPSK	29.3

**Test Condition:**

Applicable To	Environmental Conditions	Input Power	Tested by
RE≥1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Getaz Yang
RE<1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Getaz Yang
PLC	25 deg. C, 65 % RH	120 Vac, 60 Hz	Getaz Yang
APCM	25 deg. C, 65 % RH	120 Vac, 60 Hz	Gavin Wu

### 3.3 Duty Cycle of Test Signal

#### MODULATION TYPE: BPSK

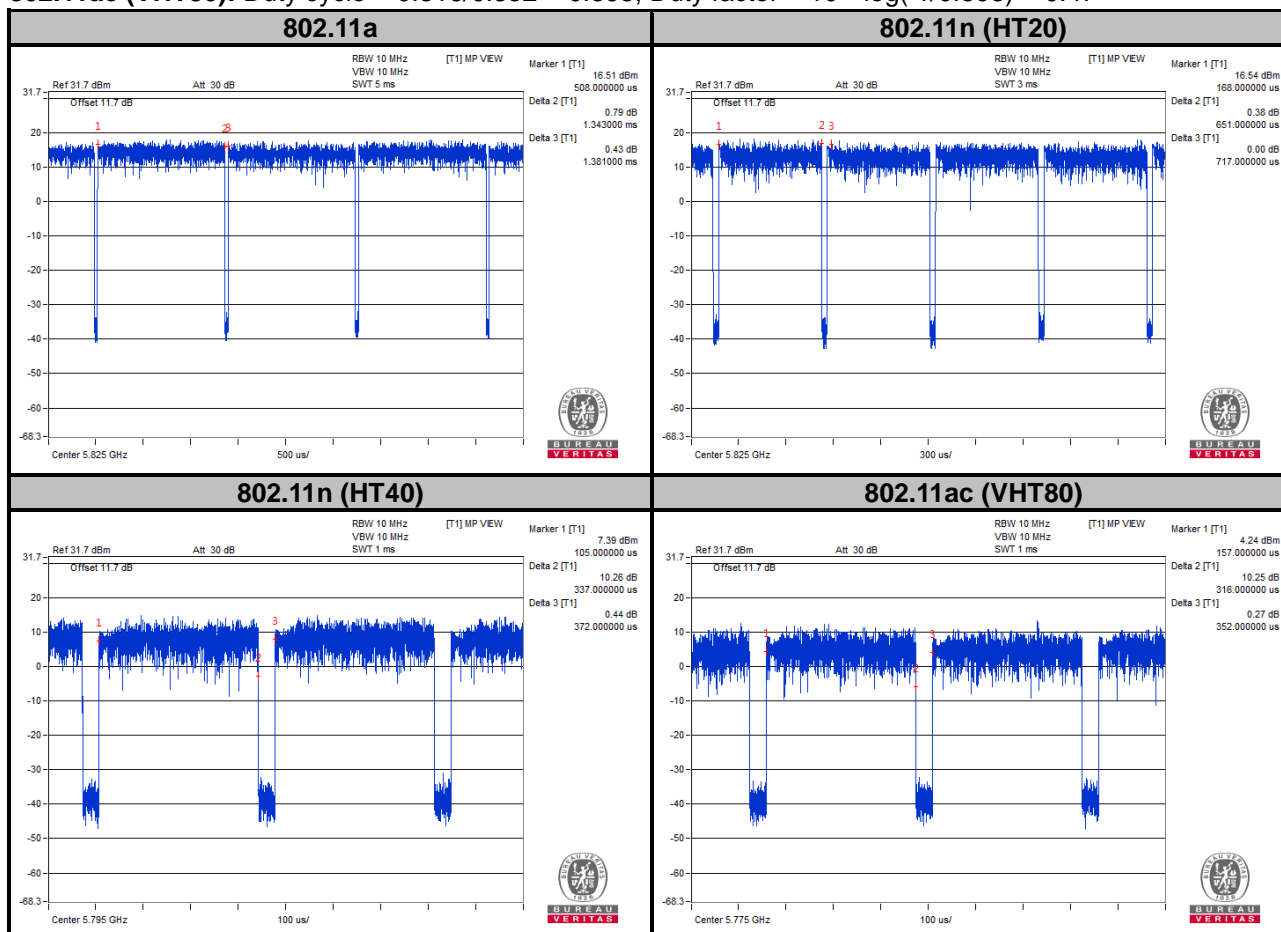
Duty cycle of test signal is < 98 %, duty factor is required.

**802.11a:** Duty cycle = 1.343/1.381 = 0.972, Duty factor =  $10 \cdot \log(1/0.972) = 0.12$

**802.11n (HT20):** Duty cycle = 0.651/0.717 = 0.908, Duty factor =  $10 \cdot \log(1/0.908) = 0.42$

**802.11n (HT40):** Duty cycle = 0.337/0.372 = 0.906, Duty factor =  $10 \cdot \log(1/0.906) = 0.43$

**802.11ac (VHT80):** Duty cycle = 0.316/0.352 = 0.898, Duty factor =  $10 \cdot \log(1/0.898) = 0.47$



### 3.4 Description of Support Units

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

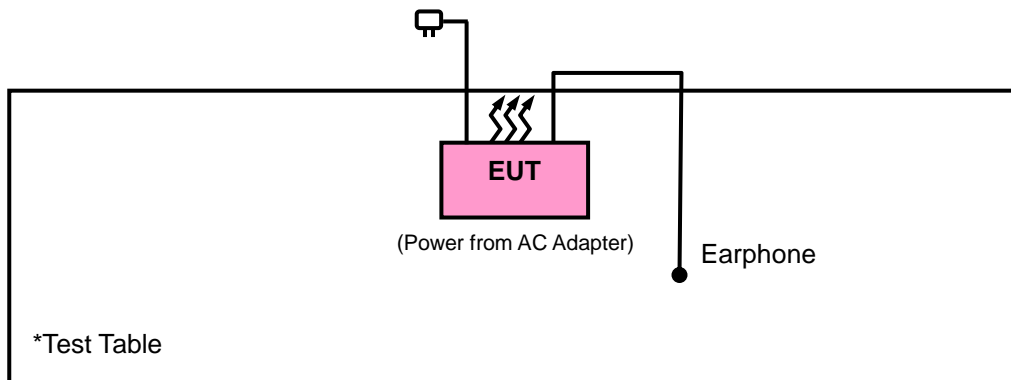
No.	Product	Brand	Model No.	Serial No.	FCC ID
1.	Earphone	Sony	MH410C	N/A	N/A

No.	Signal Cable Description of The Above Support Units
1.	90cm

Note:

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

#### 3.4.1 Configuration of System under Test



### 3.5 General Description of Applied Standards 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.

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	<input checked="" type="checkbox"/> 15.407(b)(4)(i)	PK:-27 (dBm/MHz) <sup>*1</sup> PK:10 (dBm/MHz) <sup>*2</sup> PK:15.6 (dBm/MHz) <sup>*3</sup> PK:27 (dBm/MHz) <sup>*4</sup>	PK: 68.2 (dBµV/m) <sup>*1</sup> PK:105.2 (dBµV/m) <sup>*2</sup> PK: 110.8 (dBµV/m) <sup>*3</sup> PK:122.2 (dBµV/m) <sup>*4</sup>
	<input type="checkbox"/> 15.407(b)(4)(ii)	Emission limits in section 15.247(d)	

<sup>\*1</sup> beyond 75 MHz or more above of the band edge.

<sup>\*2</sup> below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

<sup>\*3</sup> below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

<sup>\*4</sup> 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:

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



## 4.1.2 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. 12, 2019	Dec. 11, 2020
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Apr. 16, 2020	Apr. 15, 2021
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 24, 2019	Nov. 23, 2020
BILOG Antenna SCHWARZBECK	VULB 9168	9168-472	Nov. 08, 2019	Nov. 07, 2020
Fixed Attenuator WORKEN	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021
Loop Antenna	EM-6879	269	Sep. 16, 2019	Sep. 15, 2020
Bluetooth Tester	CBT	100946	Aug. 06, 2020	Aug. 05, 2022
Preamplifier EMCI	EMC 330H	980112	Oct. 08, 2019	Oct. 07, 2020
Power Meter Anritsu	ML2495A	1012010	Sep. 04, 2019	Sep. 03, 2020
Power Sensor Anritsu	MA2411B	1315050	Sep. 04, 2019	Sep. 03, 2020
RF Coaxial Cable EMCI	EMC104-SM-SM-8 000	171005	Oct. 07, 2019	Oct. 06, 2020
RF Coaxial Cable HUBER+SUHNNER	SUCOFLEX 104	EMC104-SM-SM-1 000(140807)	Oct. 08, 2019	Oct. 07, 2020
RF Coaxial Cable Worken	8D-FB	Cable-Ch10-01	Oct. 08, 2019	Oct. 07, 2020
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
Preamplifier EMCI	EMC 012645	980115	Oct. 07, 2019	Oct. 06, 2020
Preamplifier EMCI	EMC 184045	980116	Oct. 07, 2019	Oct. 06, 2020

- 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 10.

#### 4.1.3 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:**

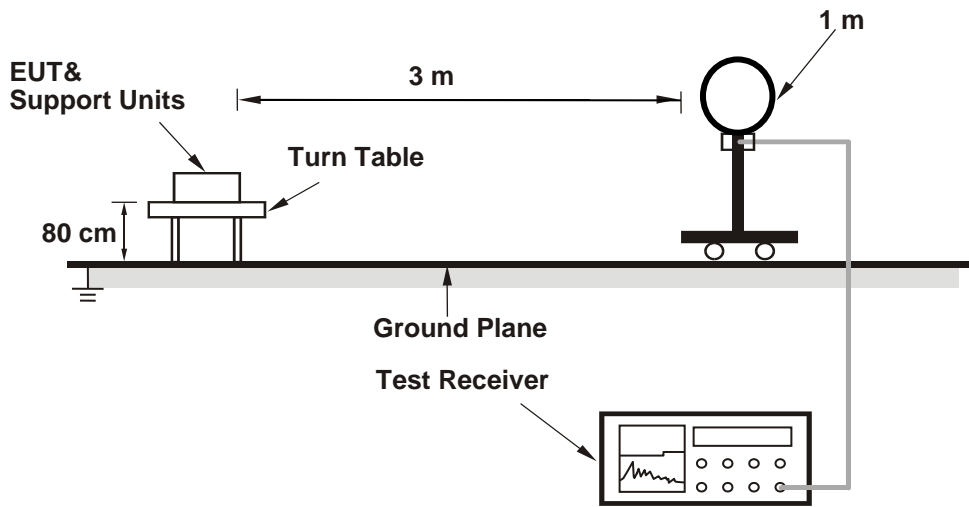
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) 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.  
(11a: RBW = 1 MHz, VBW = 1 kHz ; 11n (HT20): RBW = 1 MHz, VBW = 2 kHz ;  
11n (HT40): RBW = 1 MHz, VBW = 3 kHz ; 11ac (VHT80): RBW = 1 MHz, VBW = 5.1 kHz)
4. All modes of operation were investigated and the worst-case emissions are reported.

#### 4.1.4 Deviation from Test Standard

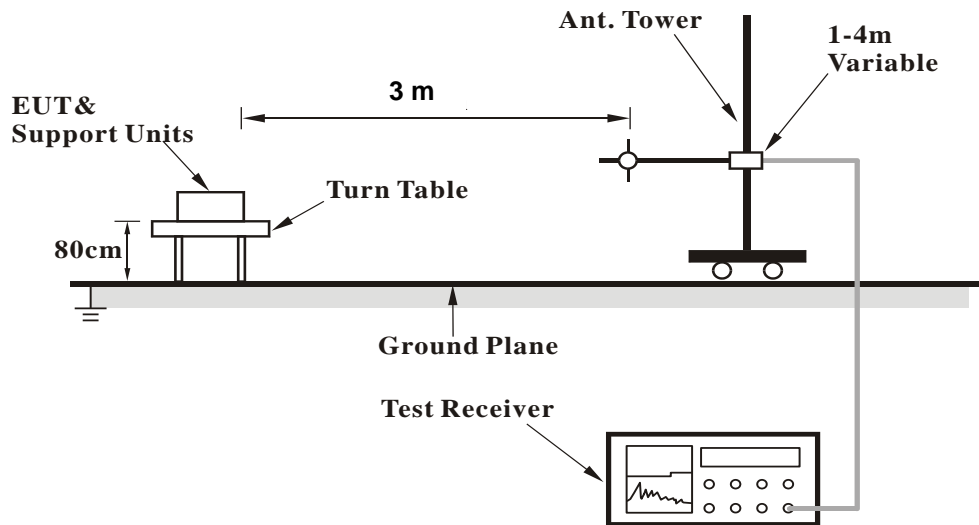
No deviation.

4.1.5 Test Setup

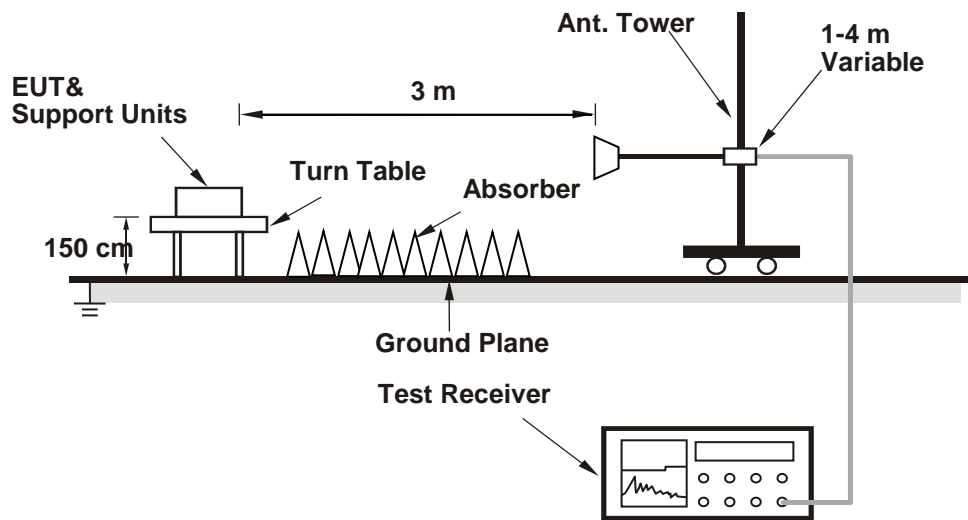
<Radiated Emission below 30 MHz>



<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).

**4.1.6 EUT Operating Conditions**

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

4.1.7 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	Getaz Yang

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	44.5	44.08	0.42	54	-9.5	110	8	Average
5150	54.11	53.69	0.42	74	-19.89	110	8	Peak
5180	97.73	97.47	0.26	-----	-----	110	8	Average
5180	104.88	104.62	0.26	-----	-----	110	8	Peak
10360	56.47	58.39	-1.92	68.2	-11.73	144	155	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	44.72	44.3	0.42	54	-9.28	129	118	Average
5150	54.94	54.52	0.42	74	-19.06	129	118	Peak
5180	97.88	97.62	0.26	-----	-----	129	118	Average
5180	105.01	104.75	0.26	-----	-----	129	118	Peak
10360	55.43	57.35	-1.92	68.2	-12.77	124	211	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	Getaz Yang

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	40.64	40.22	0.42	54	-13.36	105	8	Average
5150	47.11	46.69	0.42	74	-26.89	105	8	Peak
5200	98.62	98.48	0.14	-----	-----	105	8	Average
5200	105.43	105.29	0.14	-----	-----	105	8	Peak
5350	39.09	38.76	0.33	54	-14.91	105	8	Average
5350	46.92	46.59	0.33	74	-27.08	105	8	Peak
10400	55.28	57.1	-1.82	68.2	-12.92	180	194	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	40.58	40.16	0.42	54	-13.42	139	111	Average
5150	48.04	47.62	0.42	74	-25.96	139	111	Peak
5200	99.2	99.06	0.14	-----	-----	139	111	Average
5200	105.54	105.4	0.14	-----	-----	139	111	Peak
5350	39.74	39.41	0.33	54	-14.26	139	111	Average
5350	47.28	46.95	0.33	74	-26.72	139	111	Peak
10400	56.19	58.01	-1.82	68.2	-12.01	171	130	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5200 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 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	Getaz Yang

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	39.28	38.86	0.42	54	-14.72	111	7	Average
5150	47.4	46.98	0.42	74	-26.6	111	7	Peak
5240	98.06	97.96	0.1	-----	-----	111	7	Average
5240	104.91	104.81	0.1	-----	-----	111	7	Peak
5350	39.1	38.77	0.33	54	-14.9	111	7	Average
5350	46.12	45.79	0.33	74	-27.88	111	7	Peak
10480	57.16	58.64	-1.48	68.2	-11.04	175	185	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	39.41	38.99	0.42	54	-14.59	122	117	Average
5150	47.1	46.68	0.42	74	-26.9	122	117	Peak
5240	100.11	100.01	0.1	-----	-----	122	117	Average
5240	106.34	106.24	0.1	-----	-----	122	117	Peak
5350	40.12	39.79	0.33	54	-13.88	122	117	Average
5350	46.7	46.37	0.33	74	-27.3	122	117	Peak
10480	56.84	58.32	-1.48	68.2	-11.36	136	153	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5240 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 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	Getaz Yang

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	38.98	38.56	0.42	54	-15.02	131	11	Average
5150	46.44	46.02	0.42	74	-27.56	131	11	Peak
5260	97.33	97.2	0.13	-----	-----	131	11	Average
5260	102.84	102.71	0.13	-----	-----	131	11	Peak
5350	38.64	38.31	0.33	54	-15.36	131	11	Average
5350	44.9	44.57	0.33	74	-29.1	131	11	Peak
10520	55.64	57.09	-1.45	68.2	-12.56	196	200	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	39.01	38.59	0.42	54	-14.99	140	118	Average
5150	46.15	45.73	0.42	74	-27.85	140	118	Peak
5260	97.38	97.25	0.13	-----	-----	140	118	Average
5260	104.07	103.94	0.13	-----	-----	140	118	Peak
5350	39.38	39.05	0.33	54	-14.62	140	118	Average
5350	47.16	46.83	0.33	74	-26.84	140	118	Peak
10520	55.25	56.7	-1.45	68.2	-12.95	155	136	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	Getaz Yang

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	38.82	38.4	0.42	54	-15.18	112	11	Average
5150	45.85	45.43	0.42	74	-28.15	112	11	Peak
5300	95.91	95.7	0.21	-----	-----	112	11	Average
5300	102.07	101.86	0.21	-----	-----	112	11	Peak
5350	39.95	39.62	0.33	54	-14.05	112	11	Average
5350	46.21	45.88	0.33	74	-27.79	112	11	Peak
10600	47.65	49.26	-1.61	54	-6.35	171	190	Average
10600	55.58	57.19	-1.61	74	-18.42	171	190	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	39.15	38.73	0.42	54	-14.85	143	116	Average
5150	45.92	45.5	0.42	74	-28.08	143	116	Peak
5300	97.53	97.32	0.21	-----	-----	143	116	Average
5300	104.05	103.84	0.21	-----	-----	143	116	Peak
5350	41.66	41.33	0.33	54	-12.34	143	116	Average
5350	48.42	48.09	0.33	74	-25.58	143	116	Peak
10600	47.66	49.27	-1.61	54	-6.34	144	93	Average
10600	55.45	57.06	-1.61	74	-18.55	144	93	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5300 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 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	Getaz Yang

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	95.67	95.41	0.26	-----	-----	118	9	Average
5320	102	101.74	0.26	-----	-----	118	9	Peak
5350	44.37	44.04	0.33	54	-9.63	118	9	Average
5350	52.73	52.4	0.33	74	-21.27	118	9	Peak
10640	48.64	50.26	-1.62	54	-5.36	182	137	Average
10640	57.38	59	-1.62	74	-16.62	182	137	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	97.77	97.51	0.26	-----	-----	131	116	Average
5320	103.53	103.27	0.26	-----	-----	131	116	Peak
5350	46.94	46.61	0.33	54	-7.06	131	116	Average
5350	53.84	53.51	0.33	74	-20.16	131	116	Peak
10640	48.38	50	-1.62	54	-5.62	147	117	Average
10640	56.92	58.54	-1.62	74	-17.08	147	117	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	Getaz Yang

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	41.31	40.56	0.75	54	-12.69	109	142	Average
5460	51.62	50.87	0.75	74	-22.38	109	142	Peak
5470	51.08	50.31	0.77	68.2	-17.12	109	142	Peak
5500	97.76	96.87	0.89	-----	-----	109	142	Average
5500	104.04	103.15	0.89	-----	-----	109	142	Peak
5725	46.76	45.89	0.87	68.2	-21.44	109	142	Peak
11000	48.71	50.02	-1.31	54	-5.29	123	145	Average
11000	57.33	58.64	-1.31	74	-16.67	123	145	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	42.42	41.67	0.75	54	-11.58	111	115	Average
5460	51.61	50.86	0.75	74	-22.39	111	115	Peak
5470	52.46	51.69	0.77	68.2	-15.74	111	115	Peak
5500	99.01	98.12	0.89	-----	-----	111	115	Average
5500	105.1	104.21	0.89	-----	-----	111	115	Peak
5725	47.04	46.17	0.87	68.2	-21.16	111	115	Peak
11000	48.8	50.11	-1.31	54	-5.2	121	100	Average
11000	57.34	58.65	-1.31	74	-16.66	121	100	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5500 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 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	Getaz Yang

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	39.9	39.15	0.75	54	-14.1	109	1	Average
5460	48.98	48.23	0.75	74	-25.02	109	1	Peak
5470	49.45	48.68	0.77	68.2	-18.75	109	1	Peak
5580	97.42	96.62	0.8	-----	-----	109	1	Average
5580	103.19	102.39	0.8	-----	-----	109	1	Peak
5725	46.43	45.56	0.87	68.2	-21.77	109	1	Peak
11160	48.34	49.87	-1.53	54	-5.66	120	144	Average
11160	56.65	58.18	-1.53	74	-17.35	120	144	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	40.49	39.74	0.75	54	-13.51	107	114	Average
5460	48.85	48.1	0.75	74	-25.15	107	114	Peak
5470	48.09	47.32	0.77	68.2	-20.11	107	114	Peak
5580	98.59	97.79	0.8	-----	-----	107	114	Average
5580	105.12	104.32	0.8	-----	-----	107	114	Peak
5725	47.61	46.74	0.87	68.2	-20.59	107	114	Peak
11160	47.22	48.75	-1.53	54	-6.78	174	98	Average
11160	55.96	57.49	-1.53	74	-18.04	174	98	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5580 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 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	Getaz Yang

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	39.58	38.83	0.75	54	-14.42	132	1	Average
5460	48.71	47.96	0.75	74	-25.29	132	1	Peak
5470	47.76	46.99	0.77	68.2	-20.44	132	1	Peak
5700	97.35	96.5	0.85	-----	-----	132	1	Average
5700	103.26	102.41	0.85	-----	-----	132	1	Peak
5725	53.16	52.29	0.87	68.2	-15.04	132	1	Peak
11400	48.67	50.02	-1.35	54	-5.33	140	130	Average
11400	57.33	58.68	-1.35	74	-16.67	140	130	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	39.67	38.92	0.75	54	-14.33	114	118	Average
5460	49.37	48.62	0.75	74	-24.63	114	118	Peak
5470	48.1	47.33	0.77	68.2	-20.1	114	118	Peak
5700	97.42	96.57	0.85	-----	-----	114	118	Average
5700	103.92	103.07	0.85	-----	-----	114	118	Peak
5725	50.41	49.54	0.87	68.2	-17.79	114	118	Peak
11400	48.63	49.98	-1.35	54	-5.37	172	163	Average
11400	56.79	58.14	-1.35	74	-17.21	172	163	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	Getaz Yang

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	39.4	38.65	0.75	54	-14.6	107	337	Average
5460	50.38	49.63	0.75	74	-23.62	107	337	Peak
5470	48.34	47.57	0.77	68.2	-19.86	107	337	Peak
5720	98.49	97.63	0.86	-----	-----	107	337	Average
5720	105.09	104.23	0.86	-----	-----	107	337	Peak
5939.8	50.93	49.61	1.32	68.2	-17.27	107	337	Peak
11440	48.31	49.64	-1.33	54	-5.69	121	163	Average
11440	55.95	57.28	-1.33	74	-18.05	121	163	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	39.56	38.81	0.75	54	-14.44	113	117	Average
5460	49.17	48.42	0.75	74	-24.83	113	117	Peak
5470	48.94	48.17	0.77	68.2	-19.26	113	117	Peak
5720	99.25	98.39	0.86	-----	-----	113	117	Average
5720	105.74	104.88	0.86	-----	-----	113	117	Peak
5894.8	50.34	49.06	1.28	68.2	-17.86	113	117	Peak
11440	49.05	50.38	-1.33	54	-4.95	105	292	Average
11440	55.24	56.57	-1.33	74	-18.76	105	292	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	Getaz Yang

<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	95.64	94.76	0.88	-----	-----	100	332	Average
5745	101.67	100.79	0.88	-----	-----	100	332	Peak
11490	45.88	47.2	-1.32	54	-8.12	100	132	Average
11490	54.07	55.39	-1.32	74	-19.93	100	132	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	95.92	95.04	0.88	-----	-----	109	141	Average
5745	101.23	100.35	0.88	-----	-----	109	141	Peak
11490	46.2	47.52	-1.32	54	-7.8	132	141	Average
11490	53.63	54.95	-1.32	74	-20.37	132	141	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
5554.275	50.17	49.33	0.84	68.2	-18.03	100	332	Peak
5651.65	48.55	47.86	0.69	69.43	-20.88	100	332	Peak
5922.875	48.68	47.38	1.3	69.77	-21.09	100	332	Peak
5948.525	50.56	49.24	1.32	68.2	-17.64	100	332	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
5626.95	51.48	50.75	0.73	68.2	-16.72	109	141	Peak
5659.725	49.6	48.93	0.67	75.42	-25.82	109	141	Peak
5921.925	49.49	48.19	1.3	70.47	-20.98	109	141	Peak
5996.5	51.18	49.8	1.38	68.2	-17.02	109	141	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	Getaz Yang

<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	98.38	97.46	0.92	-----	-----	145	358	Average
5785	104.55	103.63	0.92	-----	-----	145	358	Peak
11570	45.65	47.36	-1.71	54	-8.35	145	265	Average
11570	53.93	55.64	-1.71	74	-20.07	145	265	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	98.31	97.39	0.92	-----	-----	102	146	Average
5785	104.77	103.85	0.92	-----	-----	102	146	Peak
11570	46.53	48.24	-1.71	54	-7.47	107	16	Average
11570	57.72	59.43	-1.71	74	-16.28	107	16	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
5570.425	49.86	49.03	0.83	68.2	-18.34	145	358	Peak
5655.45	48.85	48.2	0.65	72.25	-23.4	145	358	Peak
5923.825	49.94	48.64	1.3	69.07	-19.13	145	358	Peak
5939.975	50.24	48.92	1.32	68.2	-17.96	145	358	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
5626.475	49.46	48.73	0.73	68.2	-18.74	102	146	Peak
5657.825	48.87	48.21	0.66	74.01	-25.14	102	146	Peak
5921.45	49.79	48.49	1.3	70.82	-21.03	102	146	Peak
6021.675	50.72	49.28	1.44	68.2	-17.48	102	146	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	Getaz Yang

<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	98.68	97.62	1.06	-----	-----	102	333	Average
5825	104.91	103.85	1.06	-----	-----	102	333	Peak
11650	46.09	48.15	-2.06	54	-7.91	129	154	Average
11650	55.75	57.81	-2.06	74	-18.25	129	154	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	99.06	98	1.06	-----	-----	104	145	Average
5825	104.82	103.76	1.06	-----	-----	104	145	Peak
11650	45.58	47.64	-2.06	54	-8.42	137	196	Average
11650	54.91	56.97	-2.06	74	-19.09	137	196	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
5620.3	48.95	48.22	0.73	68.2	-19.25	102	333	Peak
5655.925	48.88	48.23	0.65	72.6	-23.72	102	333	Peak
5921.45	51.09	49.79	1.3	70.82	-19.73	102	333	Peak
5980.35	50.62	49.27	1.35	68.2	-17.58	102	333	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
5560.925	50.06	49.22	0.84	68.2	-18.14	104	145	Peak
5655.925	49.24	48.59	0.65	72.6	-23.36	104	145	Peak
5921.45	49.84	48.54	1.3	70.82	-20.98	104	145	Peak
5972.75	51.87	50.53	1.34	68.2	-16.33	104	145	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

### 802.11n (HT20)

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	Getaz Yang

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	45.44	45.02	0.42	54	-8.56	127	7	Average
5150	53.78	53.36	0.42	74	-20.22	127	7	Peak
5180	97.67	97.41	0.26	-----	-----	127	7	Average
5180	104.14	103.88	0.26	-----	-----	127	7	Peak
10360	56.32	58.24	-1.92	68.2	-11.88	196	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
5150	45.21	44.79	0.42	54	-8.79	127	121	Average
5150	53.36	52.94	0.42	74	-20.64	127	121	Peak
5180	98.25	97.99	0.26	-----	-----	127	121	Average
5180	104.69	104.43	0.26	-----	-----	127	121	Peak
10360	56.01	57.93	-1.92	68.2	-12.19	158	231	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	Getaz Yang

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	41.74	41.32	0.42	54	-12.26	123	8	Average
5150	48.41	47.99	0.42	74	-25.59	123	8	Peak
5200	97.04	96.9	0.14	-----	-----	123	8	Average
5200	103.73	103.59	0.14	-----	-----	123	8	Peak
5350	38.95	38.62	0.33	54	-15.05	123	8	Average
5350	46.4	46.07	0.33	74	-27.6	123	8	Peak
10400	56.14	57.96	-1.82	68.2	-12.06	172	239	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	41.42	41	0.42	54	-12.58	116	92	Average
5150	50.41	49.99	0.42	74	-23.59	116	92	Peak
5200	99.04	98.9	0.14	-----	-----	116	92	Average
5200	106.09	105.95	0.14	-----	-----	116	92	Peak
5350	39.49	39.16	0.33	54	-14.51	116	92	Average
5350	45.14	44.81	0.33	74	-28.86	116	92	Peak
10400	56.7	58.52	-1.82	68.2	-11.5	130	144	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5200 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 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	Getaz Yang

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	39.44	39.02	0.42	54	-14.56	113	8	Average
5150	46.47	46.05	0.42	74	-27.53	113	8	Peak
5240	98.63	98.53	0.1	-----	-----	113	8	Average
5240	105.35	105.25	0.1	-----	-----	113	8	Peak
5350	38.95	38.62	0.33	54	-15.05	113	8	Average
5350	46.32	45.99	0.33	74	-27.68	113	8	Peak
10480	57.76	59.24	-1.48	68.2	-10.44	138	202	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	39.37	38.95	0.42	54	-14.63	121	116	Average
5150	46.4	45.98	0.42	74	-27.6	121	116	Peak
5240	100.43	100.33	0.1	-----	-----	121	116	Average
5240	106.08	105.98	0.1	-----	-----	121	116	Peak
5350	39.88	39.55	0.33	54	-14.12	121	116	Average
5350	47.16	46.83	0.33	74	-26.84	121	116	Peak
10480	57.92	59.4	-1.48	68.2	-10.28	150	169	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5240 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 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	Getaz Yang

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	39.09	38.67	0.42	54	-14.91	116	10	Average
5150	46.56	46.14	0.42	74	-27.44	116	10	Peak
5260	95.09	94.96	0.13	-----	-----	116	10	Average
5260	101.48	101.35	0.13	-----	-----	116	10	Peak
5350	38.8	38.47	0.33	54	-15.2	116	10	Average
5350	44.43	44.1	0.33	74	-29.57	116	10	Peak
10520	56.19	57.64	-1.45	68.2	-12.01	208	136	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	38.99	38.57	0.42	54	-15.01	121	116	Average
5150	45.62	45.2	0.42	74	-28.38	121	116	Peak
5260	97.18	97.05	0.13	-----	-----	121	116	Average
5260	103.39	103.26	0.13	-----	-----	121	116	Peak
5350	40.2	39.87	0.33	54	-13.8	121	116	Average
5350	45.15	44.82	0.33	74	-28.85	121	116	Peak
10520	56	57.45	-1.45	68.2	-12.2	147	150	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	Getaz Yang

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	38.92	38.5	0.42	54	-15.08	110	10	Average
5150	45.21	44.79	0.42	74	-28.79	110	10	Peak
5300	94.79	94.58	0.21	-----	-----	110	10	Average
5300	101.58	101.37	0.21	-----	-----	110	10	Peak
5350	40.32	39.99	0.33	54	-13.68	110	10	Average
5350	47.35	47.02	0.33	74	-26.65	110	10	Peak
10600	47.63	49.24	-1.61	54	-6.37	203	105	Average
10600	55.45	57.06	-1.61	74	-18.55	203	105	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	39.08	38.66	0.42	54	-14.92	121	117	Average
5150	45.92	45.5	0.42	74	-28.08	121	117	Peak
5300	97.45	97.24	0.21	-----	-----	121	117	Average
5300	103.52	103.31	0.21	-----	-----	121	117	Peak
5350	42.74	42.41	0.33	54	-11.26	121	117	Average
5350	50.5	50.17	0.33	74	-23.5	121	117	Peak
10600	47.5	49.11	-1.61	54	-6.5	166	173	Average
10600	56.11	57.72	-1.61	74	-17.89	166	173	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5300 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 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	Getaz Yang

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	94.71	94.45	0.26	-----	-----	106	10	Average
5320	101	100.74	0.26	-----	-----	106	10	Peak
5350	45.53	45.2	0.33	54	-8.47	106	10	Average
5350	53.82	53.49	0.33	74	-20.18	106	10	Peak
10640	47.4	49.02	-1.62	54	-6.6	193	205	Average
10640	56.66	58.28	-1.62	74	-17.34	193	205	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	97.49	97.23	0.26	-----	-----	117	115	Average
5320	103.24	102.98	0.26	-----	-----	117	115	Peak
5350	48.71	48.38	0.33	54	-5.29	117	115	Average
5350	57.03	56.7	0.33	74	-16.97	117	115	Peak
10640	48.56	50.18	-1.62	54	-5.44	163	128	Average
10640	57.19	58.81	-1.62	74	-16.81	163	128	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	Getaz Yang

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	40.72	39.97	0.75	54	-13.28	123	0	Average
5460	49.72	48.97	0.75	74	-24.28	123	0	Peak
5470	50.59	49.82	0.77	68.2	-17.61	123	0	Peak
5500	95.72	94.83	0.89	-----	-----	123	0	Average
5500	102.58	101.69	0.89	-----	-----	123	0	Peak
5725	46.33	45.46	0.87	68.2	-21.87	123	0	Peak
11000	48.72	50.03	-1.31	54	-5.28	142	127	Average
11000	57.12	58.43	-1.31	74	-16.88	142	127	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	42.07	41.32	0.75	54	-11.93	122	111	Average
5460	51.13	50.38	0.75	74	-22.87	122	111	Peak
5470	53.39	52.62	0.77	68.2	-14.81	122	111	Peak
5500	98	97.11	0.89	-----	-----	122	111	Average
5500	103.97	103.08	0.89	-----	-----	122	111	Peak
5725	47.26	46.39	0.87	68.2	-20.94	122	111	Peak
11000	48.22	49.53	-1.31	54	-5.78	124	150	Average
11000	56.41	57.72	-1.31	74	-17.59	124	150	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5500 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 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	Getaz Yang

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	39.72	38.97	0.75	54	-14.28	122	0	Average
5460	49.42	48.67	0.75	74	-24.58	122	0	Peak
5470	48.75	47.98	0.77	68.2	-19.45	122	0	Peak
5580	96.4	95.6	0.8	-----	-----	122	0	Average
5580	102.79	101.99	0.8	-----	-----	122	0	Peak
5725	48.06	47.19	0.87	68.2	-20.14	122	0	Peak
11160	47.06	48.59	-1.53	54	-6.94	118	99	Average
11160	55.66	57.19	-1.53	74	-18.34	118	99	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	40.38	39.63	0.75	54	-13.62	118	114	Average
5460	50.14	49.39	0.75	74	-23.86	118	114	Peak
5470	48.53	47.76	0.77	68.2	-19.67	118	114	Peak
5580	98.02	97.22	0.8	-----	-----	118	114	Average
5580	104.56	103.76	0.8	-----	-----	118	114	Peak
5725	46.14	45.27	0.87	68.2	-22.06	118	114	Peak
11160	48.38	49.91	-1.53	54	-5.62	168	203	Average
11160	56.93	58.46	-1.53	74	-17.07	168	203	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5580 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 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	Getaz Yang

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	39.57	38.82	0.75	54	-14.43	144	0	Average
5460	49.14	48.39	0.75	74	-24.86	144	0	Peak
5470	49.3	48.53	0.77	68.2	-18.9	144	0	Peak
5700	96.54	95.69	0.85	-----	-----	144	0	Average
5700	103	102.15	0.85	-----	-----	144	0	Peak
5725	54.95	54.08	0.87	68.2	-13.25	144	0	Peak
11400	48.92	50.27	-1.35	54	-5.08	117	130	Average
11400	56.98	58.33	-1.35	74	-17.02	117	130	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	39.63	38.88	0.75	54	-14.37	115	115	Average
5460	49.09	48.34	0.75	74	-24.91	115	115	Peak
5470	47.88	47.11	0.77	68.2	-20.32	115	115	Peak
5700	97.39	96.54	0.85	-----	-----	115	115	Average
5700	104.1	103.25	0.85	-----	-----	115	115	Peak
5725	54.68	53.81	0.87	68.2	-13.52	115	115	Peak
11400	47.98	49.33	-1.35	54	-6.02	150	177	Average
11400	56.44	57.79	-1.35	74	-17.56	150	177	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	Getaz Yang

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	39.9	39.15	0.75	54	-14.1	137	359	Average
5460	50.09	49.34	0.75	74	-23.91	137	359	Peak
5470	48	47.23	0.77	68.2	-20.2	137	359	Peak
5720	99.03	98.17	0.86	-----	-----	137	359	Average
5720	106.3	105.44	0.86	-----	-----	137	359	Peak
5936.2	50.92	49.62	1.3	68.2	-17.28	137	359	Peak
11440	48.64	49.97	-1.33	54	-5.36	121	174	Average
11440	56.61	57.94	-1.33	74	-17.39	121	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
5460	39.86	39.11	0.75	54	-14.14	101	118	Average
5460	48.5	47.75	0.75	74	-25.5	101	118	Peak
5470	49.06	48.29	0.77	68.2	-19.14	101	118	Peak
5720	99.63	98.77	0.86	-----	-----	101	118	Average
5720	106.85	105.99	0.86	-----	-----	101	118	Peak
5873.8	50.69	49.47	1.22	68.2	-17.51	101	118	Peak
11440	48.86	50.19	-1.33	54	-5.14	101	85	Average
11440	57.35	58.68	-1.33	74	-16.65	101	85	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	Getaz Yang

<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	95.45	94.57	0.88	-----	-----	102	332	Average
5745	102.41	101.53	0.88	-----	-----	102	332	Peak
11490	46.35	47.67	-1.32	54	-7.65	121	167	Average
11490	55.05	56.37	-1.32	74	-18.95	121	167	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	94.78	93.9	0.88	-----	-----	111	127	Average
5745	101.96	101.08	0.88	-----	-----	111	127	Peak
11490	45.94	47.26	-1.32	54	-8.06	102	68	Average
11490	54.92	56.24	-1.32	74	-19.08	102	68	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
5589.9	50.76	49.97	0.79	68.2	-17.44	102	332	Peak
5655.925	49.8	49.15	0.65	72.6	-22.8	102	332	Peak
5917.65	49.01	47.71	1.3	73.62	-24.61	102	332	Peak
5964.675	50.86	49.53	1.33	68.2	-17.34	102	332	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
5585.15	50.15	49.35	0.8	68.2	-18.05	111	127	Peak
5658.3	49.23	48.57	0.66	74.36	-25.13	111	127	Peak
5915.275	49.69	48.39	1.3	75.37	-25.68	111	127	Peak
6007.425	49.91	48.51	1.4	68.2	-18.29	111	127	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	Getaz Yang

### <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	99.16	98.24	0.92	-----	-----	155	358	Average
5785	106.4	105.48	0.92	-----	-----	155	358	Peak
11570	45.94	47.65	-1.71	54	-8.06	146	252	Average
11570	55.18	56.89	-1.71	74	-18.82	146	252	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	98.32	97.4	0.92	-----	-----	107	111	Average
5785	105.07	104.15	0.92	-----	-----	107	111	Peak
11570	46.57	48.28	-1.71	54	-7.43	116	305	Average
11570	54.44	56.15	-1.71	74	-19.56	116	305	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
5638.825	49.48	48.81	0.67	68.2	-18.72	155	358	Peak
5658.775	48.68	48.02	0.66	74.72	-26.04	155	358	Peak
5917.65	49.43	48.13	1.3	73.62	-24.19	155	358	Peak
5967.05	50.55	49.21	1.34	68.2	-17.65	155	358	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
5623.625	50.16	49.43	0.73	68.2	-18.04	107	111	Peak
5652.6	49.77	49.08	0.69	70.13	-20.36	107	111	Peak
5917.65	50.33	49.03	1.3	73.62	-23.29	107	111	Peak
5930.475	50.76	49.46	1.3	68.2	-17.44	107	111	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	Getaz Yang

<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	100.44	99.38	1.06	-----	-----	119	356	Average
5825	106.36	105.3	1.06	-----	-----	119	356	Peak
11650	45.18	47.24	-2.06	54	-8.82	126	157	Average
11650	53.77	55.83	-2.06	74	-20.23	126	157	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	99.05	97.99	1.06	-----	-----	104	148	Average
5825	105.61	104.55	1.06	-----	-----	104	148	Peak
11650	45.46	47.52	-2.06	54	-8.54	104	103	Average
11650	54.55	56.61	-2.06	74	-19.45	104	103	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
5584.2	49.44	48.64	0.8	68.2	-18.76	119	356	Peak
5655.45	48.97	48.32	0.65	72.25	-23.28	119	356	Peak
5915.275	50.79	49.49	1.3	75.37	-24.58	119	356	Peak
5953.75	50.4	49.08	1.32	68.2	-17.8	119	356	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
5637.875	50.35	49.68	0.67	68.2	-17.85	104	148	Peak
5660.2	48.46	47.79	0.67	75.77	-27.31	104	148	Peak
5916.7	49.43	48.13	1.3	74.32	-24.89	104	148	Peak
5927.15	51.18	49.88	1.3	68.2	-17.02	104	148	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

802.11n (HT40)

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	Getaz Yang

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	41.51	41.09	0.42	54	-12.49	110	8	Average
5150	47.67	47.25	0.42	74	-26.33	110	8	Peak
5190	90.62	90.42	0.2	-----	-----	110	8	Average
5190	97.12	96.92	0.2	-----	-----	110	8	Peak
5350	39	38.67	0.33	54	-15	110	8	Average
5350	46.37	46.04	0.33	74	-27.63	110	8	Peak
10380	55.34	57.2	-1.86	68.2	-12.86	129	190	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	41.57	41.15	0.42	54	-12.43	122	120	Average
5150	50.64	50.22	0.42	74	-23.36	122	120	Peak
5190	90.86	90.66	0.2	-----	-----	122	120	Average
5190	97.35	97.15	0.2	-----	-----	122	120	Peak
5350	39.32	38.99	0.33	54	-14.68	122	120	Average
5350	46.78	46.45	0.33	74	-27.22	122	120	Peak
10380	55.6	57.46	-1.86	68.2	-12.6	171	130	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	Getaz Yang

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	39.9	39.48	0.42	54	-14.1	125	9	Average
5150	46.6	46.18	0.42	74	-27.4	125	9	Peak
5230	93.03	92.91	0.12	-----	-----	125	9	Average
5230	99.75	99.63	0.12	-----	-----	125	9	Peak
5350	38.93	38.6	0.33	54	-15.07	125	9	Average
5350	45.62	45.29	0.33	74	-28.38	125	9	Peak
10460	59.04	60.63	-1.59	68.2	-9.16	164	232	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	39.82	39.4	0.42	54	-14.18	122	119	Average
5150	46.58	46.16	0.42	74	-27.42	122	119	Peak
5230	94.48	94.36	0.12	-----	-----	122	119	Average
5230	100.9	100.78	0.12	-----	-----	122	119	Peak
5350	40.02	39.69	0.33	54	-13.98	122	119	Average
5350	47.88	47.55	0.33	74	-26.12	122	119	Peak
10460	56.87	58.46	-1.59	68.2	-11.33	158	141	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	Getaz Yang

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	38.87	38.45	0.42	54	-15.13	144	12	Average
5150	45.77	45.35	0.42	74	-28.23	144	12	Peak
5270	91.52	91.39	0.13	-----	-----	144	12	Average
5270	98.3	98.17	0.13	-----	-----	144	12	Peak
5350	39.55	39.22	0.33	54	-14.45	144	12	Average
5350	46.51	46.18	0.33	74	-27.49	144	12	Peak
10540	55.41	56.9	-1.49	68.2	-12.79	121	191	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	39.01	38.59	0.42	54	-14.99	114	117	Average
5150	45.94	45.52	0.42	74	-28.06	114	117	Peak
5270	94.15	94.02	0.13	-----	-----	114	117	Average
5270	100.72	100.59	0.13	-----	-----	114	117	Peak
5350	41.44	41.11	0.33	54	-12.56	114	117	Average
5350	48.28	47.95	0.33	74	-25.72	114	117	Peak
10540	54.62	56.11	-1.49	68.2	-13.58	146	176	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	Getaz Yang

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	38.87	38.45	0.42	54	-15.13	118	10	Average
5150	45.8	45.38	0.42	74	-28.2	118	10	Peak
5310	90.67	90.44	0.23	-----	-----	118	10	Average
5310	97.06	96.83	0.23	-----	-----	118	10	Peak
5350	43.51	43.18	0.33	54	-10.49	118	10	Average
5350	50.47	50.14	0.33	74	-23.53	118	10	Peak
10620	48.24	49.86	-1.62	54	-5.76	156	198	Average
10620	56.46	58.08	-1.62	74	-17.54	156	198	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	38.87	38.45	0.42	54	-15.13	121	118	Average
5150	45.21	44.79	0.42	74	-28.79	121	118	Peak
5310	93.19	92.96	0.23	-----	-----	121	118	Average
5310	99.84	99.61	0.23	-----	-----	121	118	Peak
5350	46.05	45.72	0.33	54	-7.95	121	118	Average
5350	55.5	55.17	0.33	74	-18.5	121	118	Peak
10620	47.51	49.13	-1.62	54	-6.49	146	145	Average
10620	56.18	57.8	-1.62	74	-17.82	146	145	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5310 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 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	Getaz Yang

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	41.1	40.35	0.75	54	-12.9	112	0	Average
5460	49.14	48.39	0.75	74	-24.86	112	0	Peak
5470	53.08	52.31	0.77	68.2	-15.12	112	0	Peak
5510	91.54	90.67	0.87	-----	-----	112	0	Average
5510	98.67	97.8	0.87	-----	-----	112	0	Peak
5725	47.89	47.02	0.87	68.2	-20.31	112	0	Peak
11020	47.66	48.99	-1.33	54	-6.34	122	128	Average
11020	55.79	57.12	-1.33	74	-18.21	122	128	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	43.32	42.57	0.75	54	-10.68	115	117	Average
5460	51.19	50.44	0.75	74	-22.81	115	117	Peak
5470	55.93	55.16	0.77	68.2	-12.27	115	117	Peak
5510	94.79	93.92	0.87	-----	-----	115	117	Average
5510	101.24	100.37	0.87	-----	-----	115	117	Peak
5725	47.42	46.55	0.87	68.2	-20.78	115	117	Peak
11020	48.46	49.79	-1.33	54	-5.54	156	157	Average
11020	56.71	58.04	-1.33	74	-17.29	156	157	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5510 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 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	Getaz Yang

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	39.25	0.75	54	-14	128	0	Average
5460	49.54	48.79	0.75	74	-24.46	128	0	Peak
5470	49.88	49.11	0.77	68.2	-18.32	128	0	Peak
5550	94.57	93.7	0.87	-----	-----	128	0	Average
5550	101.9	101.03	0.87	-----	-----	128	0	Peak
5725	45.69	44.82	0.87	68.2	-22.51	128	0	Peak
11100	47.79	49.18	-1.39	54	-6.21	125	170	Average
11100	55.77	57.16	-1.39	74	-18.23	125	170	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	41.15	40.4	0.75	54	-12.85	111	119	Average
5460	49.39	48.64	0.75	74	-24.61	111	119	Peak
5470	50.25	49.48	0.77	68.2	-17.95	111	119	Peak
5550	96.49	95.62	0.87	-----	-----	111	119	Average
5550	103.63	102.76	0.87	-----	-----	111	119	Peak
5725	47.97	47.1	0.87	68.2	-20.23	111	119	Peak
11100	48.74	50.13	-1.39	54	-5.26	170	193	Average
11100	56.68	58.07	-1.39	74	-17.32	170	193	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	Getaz Yang

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	39.48	38.73	0.75	54	-14.52	117	0	Average
5460	48.27	47.52	0.75	74	-25.73	117	0	Peak
5470	47.91	47.14	0.77	68.2	-20.29	117	0	Peak
5670	95.21	94.48	0.73	-----	-----	117	0	Average
5670	101.16	100.43	0.73	-----	-----	117	0	Peak
5725	54.16	53.29	0.87	68.2	-14.04	117	0	Peak
11340	48.51	50.12	-1.61	54	-5.49	160	189	Average
11340	57.07	58.68	-1.61	74	-16.93	160	189	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	39.65	38.9	0.75	54	-14.35	119	114	Average
5460	48.77	48.02	0.75	74	-25.23	119	114	Peak
5470	48.97	48.2	0.77	68.2	-19.23	119	114	Peak
5670	95.26	94.53	0.73	-----	-----	119	114	Average
5670	101.84	101.11	0.73	-----	-----	119	114	Peak
5725	51.15	50.28	0.87	68.2	-17.05	119	114	Peak
11340	48.64	50.25	-1.61	54	-5.36	138	153	Average
11340	56.91	58.52	-1.61	74	-17.09	138	153	Peak

Remarks:

- Emission Level = Read Level + Factor  
Margin value = Emission level – Limit value
- 5670 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 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	Getaz Yang

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	39.25	0.75	54	-14	158	360	Average
5460	48.99	48.24	0.75	74	-25.01	158	360	Peak
5470	48.33	47.56	0.77	68.2	-19.87	158	360	Peak
5710	95.91	95.07	0.84	-----	-----	158	360	Average
5710	101.68	100.84	0.84	-----	-----	158	360	Peak
5895.4	50.44	49.16	1.28	68.2	-17.76	158	360	Peak
11420	48.78	50.13	-1.35	54	-5.22	164	28	Average
11420	56.91	58.26	-1.35	74	-17.09	164	28	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	40.27	39.52	0.75	54	-13.73	114	119	Average
5460	49.81	49.06	0.75	74	-24.19	114	119	Peak
5470	48.96	48.19	0.77	68.2	-19.24	114	119	Peak
5710	95.76	94.92	0.84	-----	-----	114	119	Average
5710	103.15	102.31	0.84	-----	-----	114	119	Peak
5933.2	49.85	48.55	1.3	68.2	-18.35	114	119	Peak
11420	48.9	50.25	-1.35	54	-5.1	116	298	Average
11420	57.25	58.6	-1.35	74	-16.75	116	298	Peak

Remarks:

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