Partial FCC Test Report

Report No.:	RFBEDW-WTW-P21010530-3
FCC ID:	O57AX200NGW
Test Model:	AX200NGW
Received Date:	Jan. 19, 2021
Test Date:	Jan. 23, 2021 ~ Feb. 26, 2021
Issued Date:	Mar. 08, 2021
Applicant:	Lenovo(Shanghai) Electronics Technology Co., Ltd.
Address:	Section 304-305, Building No.4, #222, Meiyue Road, China(Shanghai) Pilot Free Trade Zone ,Shanghai 200131 , China (Peoples Republic Of)
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
RFBEDW-WTW-P21010530-3	Original Release	Mar. 08, 2021

1 Certificate of Conformity

Product:	WLAN and BT , 2x2 Pcle M.2 2230 adapter card
Brand:	Intel® Wi-Fi 6 AX200
Test Model:	AX200NGW
Sample Status:	Engineering Sample
Applicant:	Lenovo(Shanghai) Electronics Technology Co., Ltd.
Test Date:	Jan. 23, 2021 ~ Feb. 26, 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 : Lena Wang , **Date:** Mar. 08, 2021

Lena Wang / Specialist

Approved by : , **Date:** Mar. 08, 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 -11.72 dB at 0.55800 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 -0.5 dB at 5725.00 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	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	Pass	Antenna connector is Kangshuo MHF-B13-N-01 not a standard connector.

Note:

1. This report is a partial report, only test item of AC Power Conducted Emission, Radiated Emissions and Maximum Peak Output Power 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 OOBE 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) (±)
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	WLAN and BT , 2x2 Pcle M.2 2230 adapter card
Brand	Intel® Wi-Fi 6 AX200
Test Model	AX200NGW
Status of EUT	Engineering Sample
Power Supply Rating	3.3Vdc form host equipment
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 300.0 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2402.0 Mbps
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	30.27 mW for 5180 ~ 5250 MHz 34.28 mW for 5260 ~ 5320 MHz 34.36 mW for 5500 ~ 5720 MHz 34.43 mW for 5745 ~ 5825 MHz
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 table for more details.

Product	Brand	Model
Notebook Computer	Lenovo	Lenovo 300e Chromebook Gen 3**********
Note: *=0~9,A-Z,a~z,"-" or blank, for marketing use only, with no impact on RF compliance of the product.		

3. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter 1	Lenovo	ADLX45YLC2D	I/P: 100-240Vac, 50-60Hz, 1.8A O/P: 20.0V===2.25A, 45.0W 1.75M / 0core
Adapter 2	Lenovo	ADLX65YCC3D	I/P: 100-240Vac, 50-60Hz, 1.8A O/P: 20.0V===3.25A, 65.0W 1.77M / 0core
Adapter 3	Lenovo	ADLX65NLC3A	I/P: 100-240Vac, 50-60Hz, 1.8A O/P: 20.0V ===3.25A 1.55M / 1core
Battery	Lenovo	L20M3PG0	11.52 Vdc, 3994 mAh, 46Wh

*After pretesting, the adapter 2 was the worst case and chose for final test.

4. The antenna information is listed as below.

Ant. Type	Brand	Model	Ant.	Antenna Peak Gain (dBi)				
				BT	2400-2500MHz	5150-5350MHz	5470-5725MHz	5725-5850MHz
PIFA	High-Tek Electronics Co., Ltd	0ACCN020019N (DC33002JM00)	Main	-	-0.7	-0.81	-1.5	-1.63
		0ACCN020020N (DC33002JM10)	Aux.	-2.65	-2.65	-0.40	-1.44	-1.44
	Shenzhen South Star Technology Ltd	N12-7471-R0A (DC33002J000)	Main	-	0.90	-0.87	-0.14	-0.96
		N12-7472-R0A (DC33002J010)	Aux.	-1.87	-1.87	1.03	-0.19	-2.21
* The Max antenna gain was chosen for final test.								

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):

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≥1G	RE<1G	PLC	Power	
-	√	√	√	√	-

Where **RE≥1G:** Radiated Emission above 1 GHz **RE<1G:** Radiated Emission below 1 GHz
PLC: Power Line Conducted Emission **Power:** Maximum Output Power Measurement

Note: "-" means no effect.

Note: For radiated emission (below 1GHz) and power line conducted emission test items, the worst radiated emission mode was selected.

Note: The EUT had been pre-tested on the positioned of NB Mode and each 3 axis of Tablet Mode. The worst case was found when positioned on **NB Mode**.

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, 60, 64	OFDM	BPSK	6.0
-		802.11ax (HE20)	36 to 64	36, 40, 48, 52, 60, 64	OFDMA	BPSK	MCS0
-		802.11ax (HE40)	38 to 62	38, 46, 54, 62	OFDMA	BPSK	MCS0
-		802.11ax (HE80)	42 to 58	42, 58	OFDMA	BPSK	MCS0
		802.11ax (HE160)	50	50	OFDMA	BPSK	MCS0
-	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	MCS0
-		802.11ax (HE40)	102 to 142	102, 110, 134, 142	OFDMA	BPSK	MCS0
-		802.11ax (HE80)	106 to 138	106, 122, 138	OFDMA	BPSK	MCS0
		802.11ax (HE160)	114	114	OFDMA	BPSK	MCS0
-	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	MCS0
-		802.11ax (HE40)	151 to 159	151, 159	OFDMA	BPSK	MCS0
-		802.11ax (HE80)	155	155	OFDMA	BPSK	MCS0

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)
-	5500-5700	802.11a	100 to 140	140	OFDM	BPSK	6.0

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)
-	5500-5700	802.11a	100 to 140	140	OFDM	BPSK	6.0

Maximum Output Power 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)
-	5180-5320	802.11a	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0
		802.11n (HT20)	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.5
		802.11n (HT40)	38 to 62	38, 46, 54, 62	OFDM	BPSK	13.5
		802.11ac (VHT80)	42 to 58	42, 58	OFDM	BPSK	29.3
		802.11ac (VHT160)	50	50	OFDM	BPSK	58.5
		802.11ax (HE20)	36 to 64	36, 40, 48, 52, 60, 64	OFDMA	BPSK	MCS0
		802.11ax (HE40)	38 to 62	38, 46, 54, 62	OFDMA	BPSK	MCS0
		802.11ax (HE80)	42 to 58	42, 58	OFDMA	BPSK	MCS0
		802.11ax (HE160)	50	50	OFDMA	BPSK	MCS0
	5500-5720	802.11a	100 to 144	100, 116, 140	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
		802.11ac (VHT160)	114	114	OFDM	BPSK	58.5
		802.11ax (HE20)	100 to 144	100, 116, 140, 144	OFDMA	BPSK	MCS0
		802.11ax (HE40)	102 to 142	102, 110, 134, 142	OFDMA	BPSK	MCS0
		802.11ax (HE80)	106 to 138	106, 122, 138	OFDMA	BPSK	MCS0
		802.11ax (HE160)	114	114	OFDMA	BPSK	MCS0
	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
		802.11ax (HE20)	149 to 165	149, 157, 165	OFDMA	BPSK	MCS0
		802.11ax (HE40)	151 to 159	151, 159	OFDMA	BPSK	MCS0
		802.11ax (HE80)	155	155	OFDMA	BPSK	MCS0

Test Condition:

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

3.3 Duty Cycle of Test Signal

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

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

802.11a: Duty cycle = 2.086/2.135 = 0.977, Duty factor = 10 * log(1/0.977) = 0.1

802.11n (HT20): Duty cycle = 3.976/4.026 = 0.988

802.11n (HT40): Duty cycle = 3.978/4.044 = 0.984

802.11ac (VHT80): Duty cycle = 3.966/4.036 = 0.983

802.11ac (VHT160): Duty cycle = 2.782/2.831 = 0.983

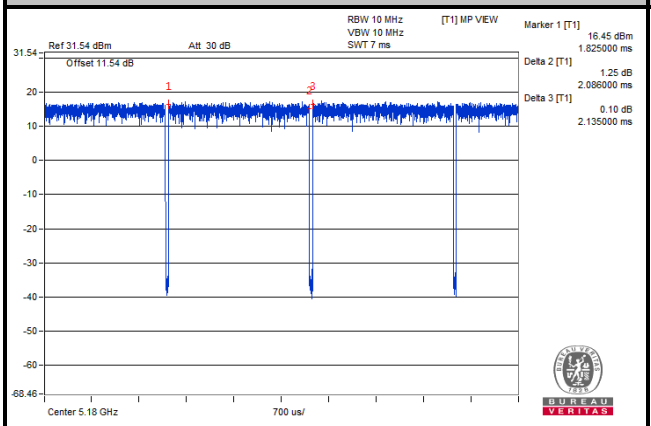
802.11ax (HE20): Duty cycle = 3.951/4.001 = 0.988

802.11ax (HE40): Duty cycle = 3.980/4.034 = 0.987

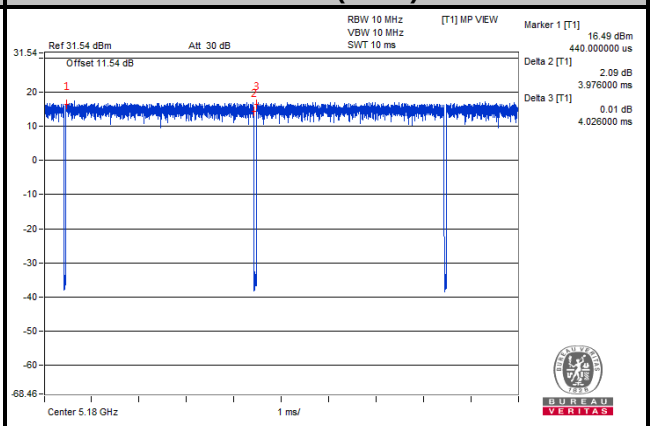
802.11ax (HE80): Duty cycle = 3.966/4.018 = 0.983

802.11ax (HE160): Duty cycle = 3.979/4.406 = 0.903, Duty factor = 10 * log(1/0.903) = 0.44

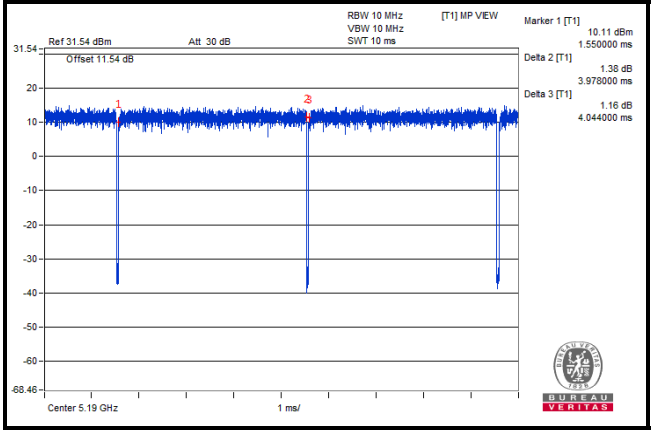
802.11a



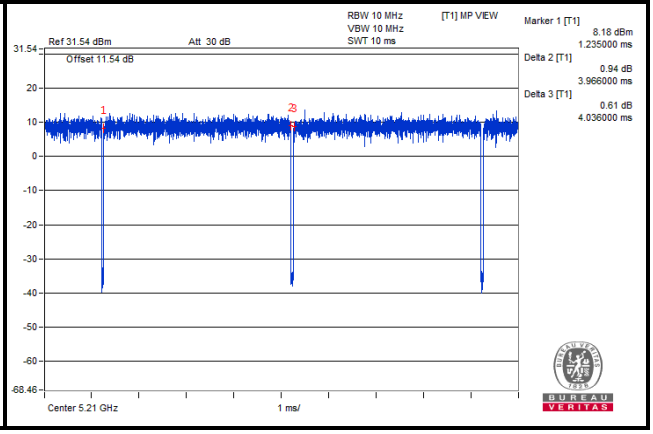
802.11n (HT20)



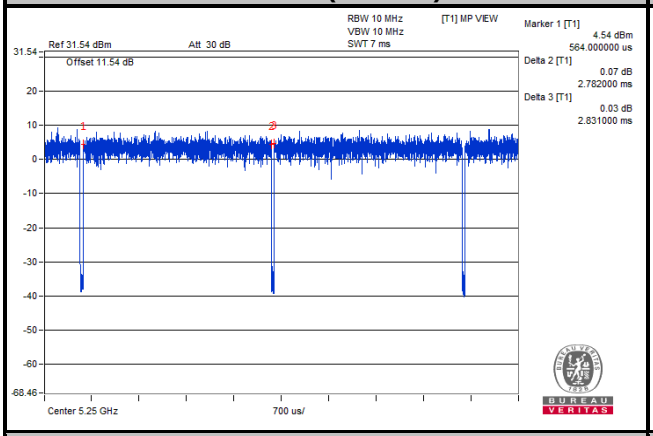
802.11n (HT40)



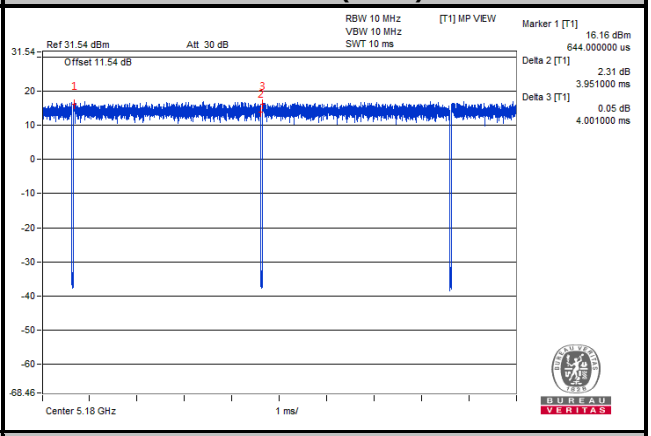
802.11ac (VHT80)



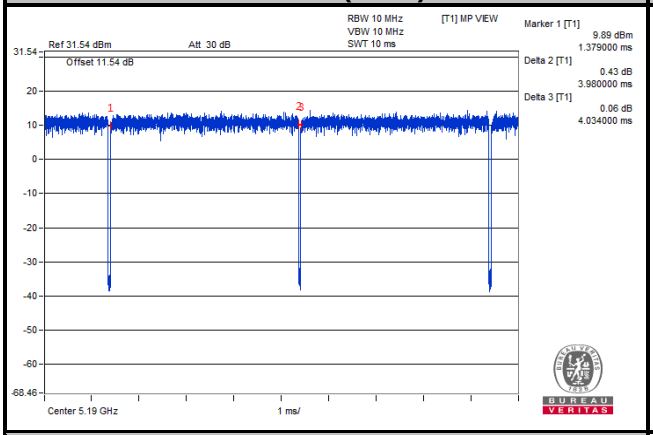
802.11ac (VHT160)



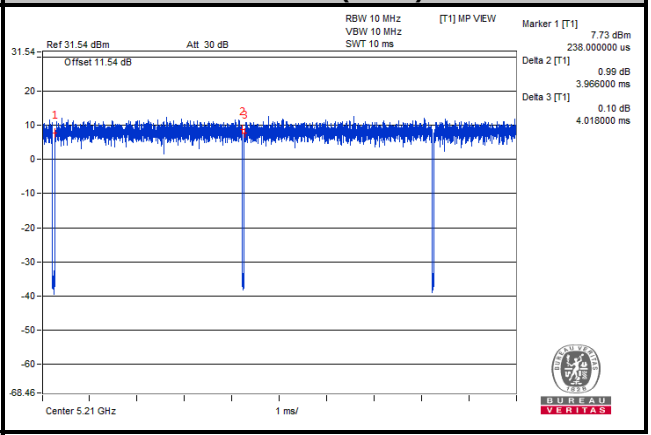
802.11ax (HE20)



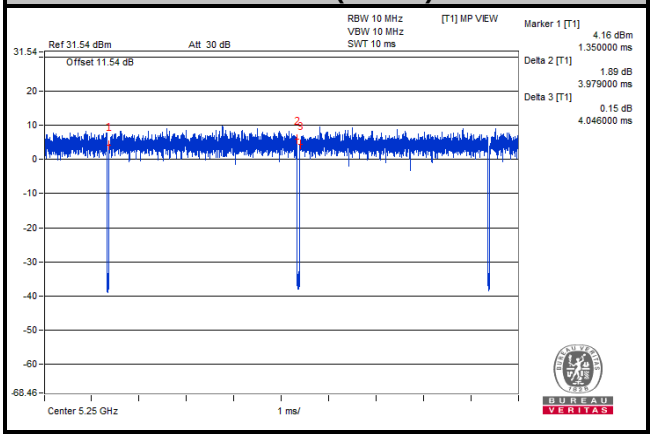
802.11ax (HE40)



802.11ax (HE80)



802.11ax (HE160)



3.4 Description of Support Units

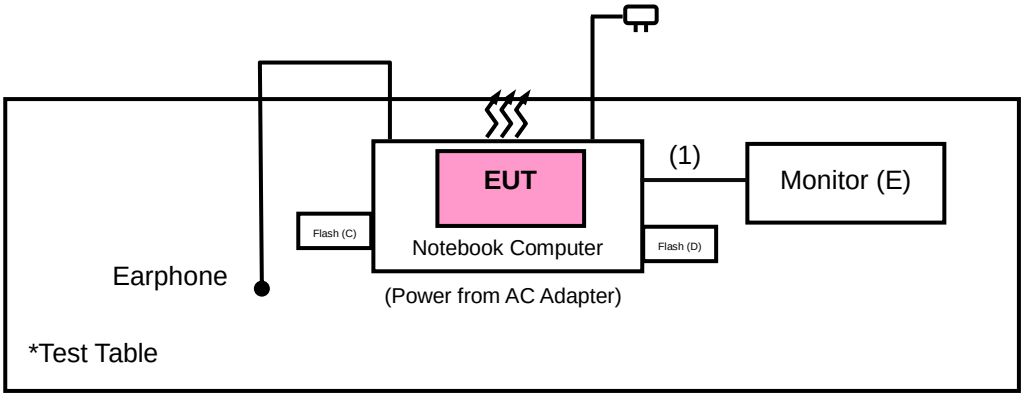
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook Computer	Lenovo	Lenovo 300e Chromebook Gen3**********	NA	NA	-
B	Adapter	Lenovo	ADLX65YCC3D	NA	NA	-
C	Flash	HP	v250W	05	NA	-
D	Flash	HP	v250W	03	NA	-
E	Monitor	ViewSonic	VX2457-MHD	UG0182942333	NA	-

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

Note:
1. All power cords of the above support units are non-shielded (1.8m).
2. Items A, C, D acted as communication partners to transfer data.

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.

4.1.2 Limits of Unwanted Emission Out of the Restricted Bands

<table>
<tr><th colspan="3">Applicable To</th><th colspan="2">Limit</th></tr>
<tr><td colspan="3" rowspan="2">789033 D02 General UNII Test Procedures New Rules v02r01</td><td colspan="2">Field Strength at 3 m</td></tr>
<tr><td>PK: 74 (dBµV/m)</td><td>AV: 54 (dBµV/m)</td></tr>
<tr><th>Frequency Band</th><th colspan="2">Applicable To</th><th>EIRP Limit</th><th>Equivalent Field Strength at 3 m</th></tr>
<tr><td>5150~5250 MHz</td><td colspan="2">15.407(b)(1)</td><td rowspan="3">PK: -27 (dBm/MHz)</td><td rowspan="3">PK: 68.2 (dBµV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td colspan="2">15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td colspan="2">15.407(b)(3)</td></tr>
<tr><td rowspan="2">5725~5850 MHz</td><td>☒</td><td>15.407(b)(4)(i)</td><td>PK:-27 (dBm/MHz) *1
PK:10 (dBm/MHz) *2
PK:15.6 (dBm/MHz) *3
PK:27 (dBm/MHz) *4</td><td>PK: 68.2 (dBµV/m) *1
PK:105.2 (dBµV/m) *2
PK: 110.8 (dBµV/m) *3
PK:122.2 (dBµV/m) *4</td></tr>
<tr><td>☐</td><td>15.407(b)(4)(ii)</td><td colspan="2">Emission limits in section 15.247(d)</td></tr>
<tr><td colspan="5">*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.</td></tr>
</table>

Note:

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

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

4.1.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver ROHDE & SCHWARZ	ESR3	102579	Jul. 07, 2020	Jul. 06, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jun. 09, 2020	Jun. 08, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-171	Nov. 04, 2020	Nov. 03, 2021
HORN Antenna SCHWARZBECK	9120D	209	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 22, 2020	Nov. 21, 2021
Loop Antenna EMCI	EM-6879	269	Sep. 17, 2020	Sep. 16, 2021
Preamplifier Agilent (Below 1GHz)	8447D	2944A10738	Aug. 16, 2020	Aug. 15, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02465	Mar. 23, 2020	Mar. 22, 2021
RF Coaxial Cable WOKEN With 5dB PAD	8D-FB	Cable-CH3-01	Aug. 16, 2020	Aug. 15, 2021
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH3-03 (223653/4)	Aug. 16, 2020	Aug. 15, 2021
RF signal cable HUBER+SUHNER& EMCI	SUCOFLEX 104&EMC104-SM- SM-8000	Cable-CH3-03 (309224+170907)	Aug. 16, 2020	Aug. 15, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller BV ADT	AT100	AT93021702	NA	NA
Turn Table BV ADT	TT100	TT93021702	NA	NA
Turn Table Controller BV ADT	SC100	SC93021702	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Pre-amplifier (18GHz- 40GHz) EMC	EMC184045B	980175	Sep. 04, 2020	Sep. 03, 2021
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55 190004/MY551900 07/MY55210005	Jul. 13, 2020	Jul. 12, 2021

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 3.

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:

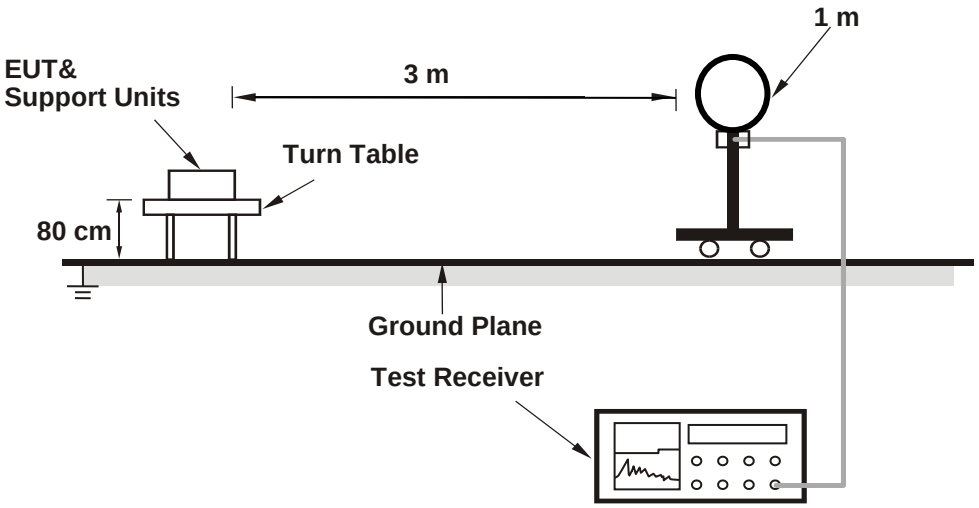
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98 %) or 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz. (11a: RBW = 1 MHz, VBW = 1 kHz ; 11ax (HE20): RBW = 1 MHz, VBW = 10 Hz ;
   11ax (HE40): RBW = 1 MHz, VBW = 10 Hz ; 11ax (HE80): RBW = 1 MHz, VBW = 10 Hz ; 11ax (HE160): RBW = 1 MHz, VBW = 10 Hz)
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.5 Deviation from Test Standard

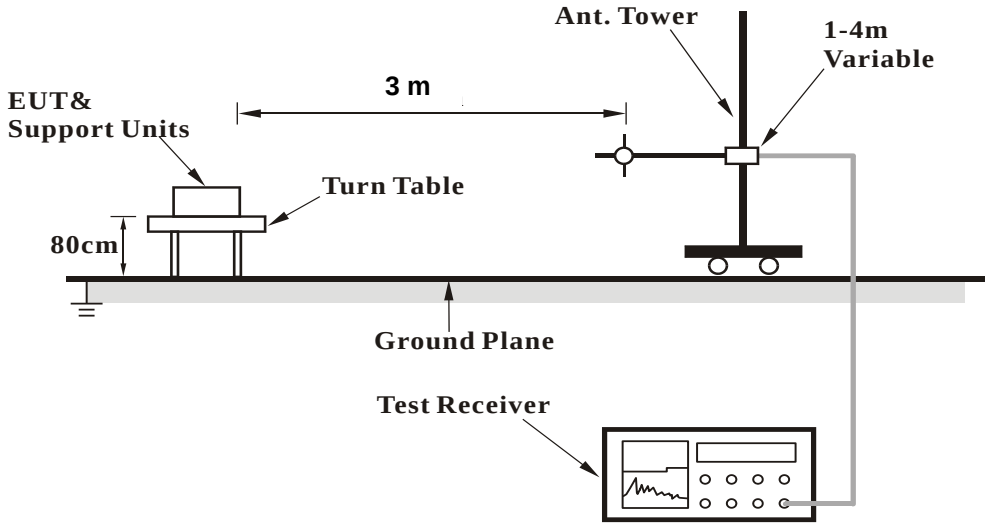
No deviation.

4.1.6 Test Setup

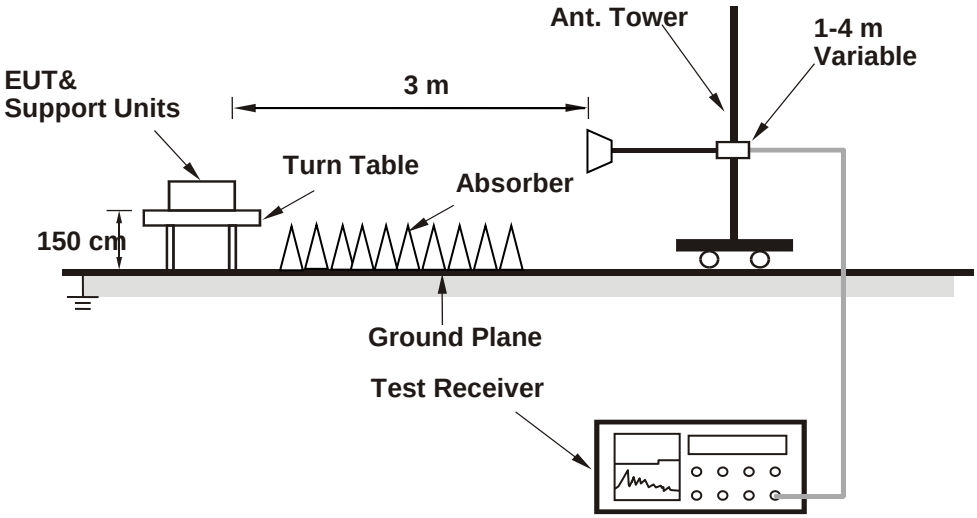
<Radiated Emission below 30 MHz>



<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

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

4.1.8 Test Results

ABOVE 1GHz DATA

RF Mode	TX 802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	**Detector Function**	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	61.6 PK	74.0	-12.4	2.43 H	190	55.0	6.6
2	5150.00	46.1 AV	54.0	-7.9	2.43 H	190	39.5	6.6
3	*5180.00	111.8 PK			2.43 H	190	69.6	42.2
4	*5180.00	102.2 AV			2.43 H	190	60.0	42.2
5	#10360.00	58.6 PK	68.2	-9.6	2.69 H	314	41.9	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	59.7 PK	74.0	-14.3	1.76 V	275	53.1	6.6
2	5150.00	45.7 AV	54.0	-8.3	1.76 V	275	39.1	6.6
3	*5180.00	108.9 PK			1.76 V	275	66.7	42.2
4	*5180.00	99.1 AV			1.76 V	275	56.9	42.2
5	#10360.00	58.2 PK	68.2	-10.0	1.83 V	144	41.5	16.7

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	115.2 PK			2.39 H	192	73.1	42.1
2	*5200.00	105.6 AV			2.39 H	192	63.5	42.1
3	#10400.00	58.9 PK	68.2	-9.3	2.66 H	312	42.0	16.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.9 PK			1.67 V	279	68.8	42.1
2	*5200.00	101.3 AV			1.67 V	279	59.2	42.1
3	#10400.00	58.4 PK	68.2	-9.8	1.90 V	153	41.5	16.9

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	114.4 PK			2.42 H	192	72.4	42.0
2	*5240.00	104.5 AV			2.42 H	192	62.5	42.0
3	5350.00	57.4 PK	74.0	-16.6	2.42 H	192	51.0	6.4
4	5350.00	44.4 AV	54.0	-9.6	2.42 H	192	38.0	6.4
5	#10480.00	60.2 PK	68.2	-8.0	2.71 H	308	42.5	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	109.3 PK			1.73 V	280	67.3	42.0
2	*5240.00	100.0 AV			1.73 V	280	58.0	42.0
3	5350.00	57.3 PK	74.0	-16.7	1.73 V	280	50.9	6.4
4	5350.00	44.1 AV	54.0	-9.9	1.73 V	280	37.7	6.4
5	#10480.00	59.4 PK	68.2	-8.8	1.88 V	150	41.7	17.7

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.8 PK	74.0	-16.2	2.39 H	190	51.2	6.6
2	5150.00	44.8 AV	54.0	-9.2	2.39 H	190	38.2	6.6
3	*5260.00	115.0 PK			2.39 H	190	73.1	41.9
4	*5260.00	105.2 AV			2.39 H	190	63.3	41.9
5	#10520.00	59.7 PK	68.2	-8.5	2.57 H	308	42.1	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.4 PK	74.0	-15.6	1.74 V	273	51.8	6.6
2	5150.00	44.8 AV	54.0	-9.2	1.74 V	273	38.2	6.6
3	*5260.00	110.5 PK			1.74 V	273	68.6	41.9
4	*5260.00	100.6 AV			1.74 V	273	58.7	41.9
5	#10520.00	58.4 PK	68.2	-9.8	1.93 V	148	40.8	17.6

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	114.9 PK			2.32 H	188	73.0	41.9
2	*5300.00	105.1 AV			2.32 H	188	63.2	41.9
3	10600.00	58.9 PK	74.0	-15.1	2.51 H	301	41.7	17.2
4	10600.00	45.9 AV	54.0	-8.1	2.51 H	301	28.7	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	110.7 PK			1.75 V	285	68.8	41.9
2	*5300.00	100.8 AV			1.75 V	285	58.9	41.9
3	10600.00	58.4 PK	74.0	-15.6	1.92 V	153	41.2	17.2
4	10600.00	45.7 AV	54.0	-8.3	1.92 V	153	28.5	17.2

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.1 PK			2.15 H	189	69.1	42.0
2	*5320.00	101.2 AV			2.15 H	189	59.2	42.0
3	5350.00	60.5 PK	74.0	-13.5	2.15 H	189	54.1	6.4
4	5350.00	46.4 AV	54.0	-7.6	2.15 H	189	40.0	6.4
5	10640.00	57.5 PK	74.0	-16.5	2.74 H	321	40.1	17.4
6	10640.00	44.6 AV	54.0	-9.4	2.74 H	321	27.2	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.2 PK			1.61 V	279	64.2	42.0
2	*5320.00	96.1 AV			1.61 V	279	54.1	42.0
3	5350.00	57.8 PK	74.0	-16.2	1.61 V	279	51.4	6.4
4	5350.00	44.6 AV	54.0	-9.4	1.61 V	279	38.2	6.4
5	10640.00	57.7 PK	74.0	-16.3	2.00 V	158	40.3	17.4
6	10640.00	44.5 AV	54.0	-9.5	2.00 V	158	27.1	17.4

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.3 PK	74.0	-15.7	2.15 H	184	52.0	6.3
2	5460.00	46.0 AV	54.0	-8.0	2.15 H	184	39.7	6.3
3	#5470.00	63.2 PK	68.2	-5.0	2.15 H	184	56.9	6.3
4	*5500.00	112.5 PK			2.15 H	184	70.4	42.1
5	*5500.00	102.7 AV			2.15 H	184	60.6	42.1
6	11000.00	59.8 PK	74.0	-14.2	2.77 H	315	41.2	18.6
7	11000.00	46.9 AV	54.0	-7.1	2.77 H	315	28.3	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.6 PK	74.0	-16.4	3.79 V	247	51.3	6.3
2	5460.00	44.9 AV	54.0	-9.1	3.79 V	247	38.6	6.3
3	#5470.00	63.2 PK	68.2	-5.0	3.79 V	247	56.9	6.3
4	*5500.00	111.0 PK			3.79 V	247	68.9	42.1
5	*5500.00	101.6 AV			3.79 V	247	59.5	42.1
6	11000.00	59.4 PK	74.0	-14.6	2.02 V	155	40.8	18.6
7	11000.00	46.8 AV	54.0	-7.2	2.02 V	155	28.2	18.6

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.4 PK			2.09 H	183	69.3	42.1
2	*5580.00	101.5 AV			2.09 H	183	59.4	42.1
3	11160.00	59.5 PK	74.0	-14.5	2.78 H	319	41.0	18.5
4	11160.00	46.9 AV	54.0	-7.1	2.78 H	319	28.4	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	110.2 PK			3.82 V	249	68.1	42.1
2	*5580.00	100.3 AV			3.82 V	249	58.2	42.1
3	11160.00	59.2 PK	74.0	-14.8	2.05 V	158	40.7	18.5
4	11160.00	46.8 AV	54.0	-7.2	2.05 V	158	28.3	18.5

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.2 PK			2.02 H	181	69.9	42.3
2	*5700.00	102.4 AV			2.02 H	181	60.1	42.3
3	#5725.00	67.7 PK	68.2	-0.5	2.02 H	181	61.2	6.5
4	11400.00	58.9 PK	74.0	-15.1	2.78 H	318	41.0	17.9
5	11400.00	46.4 AV	54.0	-7.6	2.78 H	318	28.5	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.8 PK			3.83 V	249	68.5	42.3
2	*5700.00	101.1 AV			3.83 V	249	58.8	42.3
3	#5725.00	67.0 PK	68.2	-1.2	3.83 V	249	60.5	6.5
4	11400.00	58.6 PK	74.0	-15.4	2.11 V	159	40.7	17.9
5	11400.00	46.3 AV	54.0	-7.7	2.11 V	159	28.4	17.9

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5618.00	56.5 PK	68.2	-11.7	2.16 H	195	50.3	6.2
2	*5745.00	113.0 PK			2.16 H	195	70.8	42.2
3	*5745.00	103.3 AV			2.16 H	195	61.1	42.2
4	#5932.80	58.3 PK	68.2	-9.9	2.16 H	195	51.0	7.3
5	11490.00	59.9 PK	74.0	-14.1	2.77 H	312	41.6	18.3
6	11490.00	46.8 AV	54.0	-7.2	2.77 H	312	28.5	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.20	56.8 PK	68.2	-11.4	2.36 V	252	50.5	6.3
2	*5745.00	112.7 PK			2.36 V	252	70.5	42.2
3	*5745.00	102.8 AV			2.36 V	252	60.6	42.2
4	#5944.00	58.3 PK	68.2	-9.9	2.36 V	252	51.0	7.3
5	11490.00	59.8 PK	74.0	-14.2	2.33 V	172	41.5	18.3
6	11490.00	46.9 AV	54.0	-7.1	2.33 V	172	28.6	18.3

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.20	56.2 PK	68.2	-12.0	2.15 H	197	49.9	6.3
2	*5785.00	113.2 PK			2.15 H	197	71.0	42.2
3	*5785.00	103.1 AV			2.15 H	197	60.9	42.2
4	#5985.60	58.1 PK	68.2	-10.1	2.15 H	197	50.9	7.2
5	11570.00	59.7 PK	74.0	-14.3	2.81 H	319	41.7	18.0
6	11570.00	46.6 AV	54.0	-7.4	2.81 H	319	28.6	18.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	56.6 PK	68.2	-11.6	2.41 V	253	50.3	6.3
2	*5785.00	112.6 PK			2.41 V	253	70.4	42.2
3	*5785.00	102.5 AV			2.41 V	253	60.3	42.2
4	#5982.80	57.5 PK	68.2	-10.7	2.41 V	253	50.3	7.2
5	11570.00	59.7 PK	74.0	-14.3	2.39 V	178	41.7	18.0
6	11570.00	46.6 AV	54.0	-7.4	2.39 V	178	28.6	18.0

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.60	57.7 PK	68.2	-10.5	2.08 H	193	51.5	6.2
2	*5825.00	112.5 PK			2.08 H	193	70.2	42.3
3	*5825.00	102.2 AV			2.08 H	193	59.9	42.3
4	#5952.40	58.7 PK	68.2	-9.5	2.08 H	193	51.4	7.3
5	11650.00	59.8 PK	74.0	-14.2	2.81 H	318	41.8	18.0
6	11650.00	46.8 AV	54.0	-7.2	2.81 H	318	28.8	18.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.40	56.7 PK	68.2	-11.5	2.38 V	255	50.5	6.2
2	*5825.00	111.8 PK			2.38 V	255	69.5	42.3
3	*5825.00	101.2 AV			2.38 V	255	58.9	42.3
4	#5960.80	58.2 PK	68.2	-10.0	2.38 V	255	50.9	7.3
5	11650.00	59.6 PK	74.0	-14.4	2.35 V	175	41.6	18.0
6	11650.00	46.4 AV	54.0	-7.6	2.35 V	175	28.4	18.0

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	2.36 H	191	52.9	6.6
2	5150.00	45.4 AV	54.0	-8.6	2.36 H	191	38.8	6.6
3	*5180.00	115.4 PK			2.36 H	191	73.2	42.2
4	*5180.00	99.7 AV			2.36 H	191	57.5	42.2
5	#10360.00	58.0 PK	68.2	-10.2	2.68 H	309	41.3	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.2 PK	74.0	-15.8	1.81 V	273	51.6	6.6
2	5150.00	45.2 AV	54.0	-8.8	1.81 V	273	38.6	6.6
3	*5180.00	111.2 PK			1.81 V	273	69.0	42.2
4	*5180.00	98.7 AV			1.81 V	273	56.5	42.2
5	#10360.00	58.4 PK	68.2	-9.8	1.85 V	147	41.7	16.7

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	116.3 PK			2.33 H	192	74.2	42.1
2	*5200.00	105.1 AV			2.33 H	192	63.0	42.1
3	#10400.00	58.4 PK	68.2	-9.8	2.87 H	321	41.5	16.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	112.0 PK			1.80 V	282	69.9	42.1
2	*5200.00	99.8 AV			1.80 V	282	57.7	42.1
3	#10400.00	59.0 PK	68.2	-9.2	1.89 V	151	42.1	16.9

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	116.5 PK			2.32 H	207	74.5	42.0
2	*5240.00	104.2 AV			2.32 H	207	62.2	42.0
3	5350.00	57.3 PK	74.0	-16.7	2.32 H	207	50.9	6.4
4	5350.00	44.6 AV	54.0	-9.4	2.32 H	207	38.2	6.4
5	#10480.00	59.7 PK	68.2	-8.5	2.55 H	306	42.0	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	111.6 PK			1.78 V	287	69.6	42.0
2	*5240.00	98.8 AV			1.78 V	287	56.8	42.0
3	5350.00	57.4 PK	74.0	-16.6	1.78 V	287	51.0	6.4
4	5350.00	44.3 AV	54.0	-9.7	1.78 V	287	37.9	6.4
5	#10480.00	59.8 PK	68.2	-8.4	1.75 V	154	42.1	17.7

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.8 PK	74.0	-16.2	2.37 H	189	51.2	6.6
2	5150.00	34.8 AV	54.0	-19.2	2.37 H	189	28.2	6.6
3	*5260.00	118.4 PK			2.37 H	189	76.5	41.9
4	*5260.00	105.8 AV			2.37 H	189	63.9	41.9
5	#10520.00	57.7 PK	68.2	-10.5	2.62 H	299	40.1	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.8 PK	74.0	-16.2	2.51 V	282	51.2	6.6
2	5150.00	44.8 AV	54.0	-9.2	2.51 V	282	38.2	6.6
3	*5260.00	111.0 PK			2.51 V	282	69.1	41.9
4	*5260.00	99.2 AV			2.51 V	282	57.3	41.9
5	#10520.00	57.6 PK	68.2	-10.6	1.92 V	155	40.0	17.6

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	119.1 PK			1.97 H	182	77.2	41.9
2	*5300.00	106.6 AV			1.97 H	182	64.7	41.9
3	10600.00	58.2 PK	74.0	-15.8	2.44 H	313	41.0	17.2
4	10600.00	45.6 AV	54.0	-8.4	2.44 H	313	28.4	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	110.1 PK			2.51 V	281	68.2	41.9
2	*5300.00	98.6 AV			2.51 V	281	56.7	41.9
3	10600.00	57.5 PK	74.0	-16.5	1.99 V	156	40.3	17.2
4	10600.00	45.0 AV	54.0	-9.0	1.99 V	156	27.8	17.2

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.1 PK			2.04 H	183	73.1	42.0
2	*5320.00	103.0 AV			2.04 H	183	61.0	42.0
3	5350.00	62.6 PK	74.0	-11.4	2.04 H	183	56.2	6.4
4	5350.00	47.9 AV	54.0	-6.1	2.04 H	183	41.5	6.4
5	10640.00	57.7 PK	74.0	-16.3	2.75 H	318	40.3	17.4
6	10640.00	44.6 AV	54.0	-9.4	2.75 H	318	27.2	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	107.8 PK			2.60 V	284	65.8	42.0
2	*5320.00	94.1 AV			2.60 V	284	52.1	42.0
3	5350.00	57.9 PK	74.0	-16.1	2.60 V	284	51.5	6.4
4	5350.00	44.6 AV	54.0	-9.4	2.60 V	284	38.2	6.4
5	10640.00	57.9 PK	74.0	-16.1	1.95 V	157	40.5	17.4
6	10640.00	45.6 AV	54.0	-8.4	1.95 V	157	28.2	17.4

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.4 PK	74.0	-15.6	2.23 H	185	52.1	6.3
2	5460.00	44.6 AV	54.0	-9.4	2.23 H	185	38.3	6.3
3	#5470.00	58.8 PK	68.2	-9.4	2.23 H	185	52.5	6.3
4	*5500.00	114.4 PK			2.23 H	185	72.3	42.1
5	*5500.00	102.2 AV			2.23 H	185	60.1	42.1
6	11000.00	60.1 PK	74.0	-13.9	2.82 H	318	41.5	18.6
7	11000.00	47.2 AV	54.0	-6.8	2.82 H	318	28.6	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	3.94 V	252	51.8	6.3
2	5460.00	44.8 AV	54.0	-9.2	3.94 V	252	38.5	6.3
3	#5470.00	58.5 PK	68.2	-9.7	3.94 V	252	52.2	6.3
4	*5500.00	112.4 PK			3.94 V	252	70.3	42.1
5	*5500.00	100.0 AV			3.94 V	252	57.9	42.1
6	11000.00	59.8 PK	74.0	-14.2	2.11 V	163	41.2	18.6
7	11000.00	47.1 AV	54.0	-6.9	2.11 V	163	28.5	18.6

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	115.8 PK			2.10 H	209	73.7	42.1
2	*5580.00	102.5 AV			2.10 H	209	60.4	42.1
3	11160.00	59.8 PK	74.0	-14.2	2.85 H	322	41.3	18.5
4	11160.00	47.0 AV	54.0	-7.0	2.85 H	322	28.5	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	113.5 PK			3.86 V	255	71.4	42.1
2	*5580.00	100.7 AV			3.86 V	255	58.6	42.1
3	11160.00	59.8 PK	74.0	-14.2	2.15 V	162	41.3	18.5
4	11160.00	46.9 AV	54.0	-7.1	2.15 V	162	28.4	18.5

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.4 PK			2.06 H	208	72.1	42.3
2	*5700.00	102.6 AV			2.06 H	208	60.3	42.3
3	#5725.00	61.6 PK	68.2	-6.6	2.06 H	208	55.1	6.5
4	11400.00	59.5 PK	74.0	-14.5	2.88 H	315	41.6	17.9
5	11400.00	46.5 AV	54.0	-7.5	2.88 H	315	28.6	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.2 PK			3.88 V	255	69.9	42.3
2	*5700.00	100.3 AV			3.88 V	255	58.0	42.3
3	#5725.00	60.5 PK	68.2	-7.7	3.88 V	255	54.0	6.5
4	11140.00	59.7 PK	74.0	-14.3	2.08 V	165	41.4	18.3
5	11140.00	46.7 AV	54.0	-7.3	2.08 V	165	28.4	18.3

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.1 PK	68.2	-10.1	2.06 H	212	51.8	6.3
2	*5720.00	115.2 PK			2.06 H	212	73.0	42.2
3	*5720.00	102.8 AV			2.06 H	212	60.6	42.2
4	#5850.00	58.3 PK	68.2	-9.9	2.06 H	212	51.5	6.8
5	11440.00	59.7 PK	74.0	-14.3	2.91 H	322	41.7	18.0
6	11440.00	46.8 AV	54.0	-7.2	2.91 H	322	28.8	18.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.9 PK	68.2	-10.3	3.89 V	251	51.6	6.3
2	*5720.00	113.0 PK			3.89 V	251	70.8	42.2
3	*5720.00	100.5 AV			3.89 V	251	58.3	42.2
4	#5850.00	58.2 PK	68.2	-10.0	3.89 V	251	51.4	6.8
5	11440.00	59.5 PK	74.0	-14.5	2.15 V	162	41.5	18.0
6	11440.00	46.4 AV	54.0	-7.6	2.15 V	162	28.4	18.0

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.80	56.3 PK	68.2	-11.9	2.27 H	195	50.1	6.2
2	*5745.00	116.6 PK			2.27 H	195	74.4	42.2
3	*5745.00	104.1 AV			2.27 H	195	61.9	42.2
4	#5979.60	57.6 PK	68.2	-10.6	2.27 H	195	50.4	7.2
5	11490.00	60.1 PK	74.0	-13.9	2.81 H	322	41.8	18.3
6	11490.00	47.1 AV	54.0	-6.9	2.81 H	322	28.8	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.60	56.8 PK	68.2	-11.4	3.56 V	248	50.5	6.3
2	*5745.00	114.6 PK			3.56 V	248	72.4	42.2
3	*5745.00	102.1 AV			3.56 V	248	59.9	42.2
4	#5986.00	58.4 PK	68.2	-9.8	3.56 V	248	51.2	7.2
5	11490.00	60.0 PK	74.0	-14.0	2.35 V	175	41.7	18.3
6	11490.00	46.8 AV	54.0	-7.2	2.35 V	175	28.5	18.3

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.40	56.6 PK	68.2	-11.6	2.19 H	195	50.3	6.3
2	*5785.00	116.2 PK			2.19 H	195	74.0	42.2
3	*5785.00	103.9 AV			2.19 H	195	61.7	42.2
4	#5925.20	58.1 PK	68.2	-10.1	2.19 H	195	50.8	7.3
5	11570.00	59.9 PK	74.0	-14.1	2.88 H	325	41.9	18.0
6	11570.00	46.8 AV	54.0	-7.2	2.88 H	325	28.8	18.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.20	56.3 PK	68.2	-11.9	3.55 V	249	50.0	6.3
2	*5785.00	114.1 PK			3.55 V	249	71.9	42.2
3	*5785.00	101.6 AV			3.55 V	249	59.4	42.2
4	#5966.40	59.1 PK	68.2	-9.1	3.55 V	249	51.8	7.3
5	11570.00	59.7 PK	74.0	-14.3	2.41 V	178	41.7	18.0
6	11570.00	46.6 AV	54.0	-7.4	2.41 V	178	28.6	18.0

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5615.20	56.7 PK	68.2	-11.5	2.20 H	196	50.5	6.2
2	*5825.00	116.4 PK			2.20 H	196	74.1	42.3
3	*5825.00	104.2 AV			2.20 H	196	61.9	42.3
4	#5981.20	58.5 PK	68.2	-9.7	2.20 H	196	51.3	7.2
5	11650.00	59.8 PK	74.0	-14.2	2.88 H	325	41.8	18.0
6	11650.00	46.7 AV	54.0	-7.3	2.88 H	325	28.7	18.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.80	55.5 PK	68.2	-12.7	3.54 V	251	49.2	6.3
2	*5825.00	114.1 PK			3.54 V	251	71.8	42.3
3	*5825.00	102.0 AV			3.54 V	251	59.7	42.3
4	#5971.20	58.4 PK	68.2	-9.8	3.54 V	251	51.2	7.2
5	11650.00	59.6 PK	74.0	-14.4	2.41 V	181	41.6	18.0
6	11650.00	46.6 AV	54.0	-7.4	2.41 V	181	28.6	18.0

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	2.34 H	206	53.7	6.6
2	5150.00	46.9 AV	54.0	-7.1	2.34 H	206	40.3	6.6
3	*5190.00	111.3 PK			2.34 H	206	69.2	42.1
4	*5190.00	98.9 AV			2.34 H	206	56.8	42.1
5	#10380.00	58.0 PK	68.2	-10.2	2.75 H	323	41.2	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	1.71 V	268	52.7	6.6
2	5150.00	45.5 AV	54.0	-8.5	1.71 V	268	38.9	6.6
3	*5190.00	107.4 PK			1.71 V	268	65.3	42.1
4	*5190.00	93.6 AV			1.71 V	268	51.5	42.1
5	#10380.00	58.6 PK	68.2	-9.6	1.91 V	154	41.8	16.8

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.5 PK	74.0	-15.5	2.30 H	191	51.9	6.6
2	5150.00	45.0 AV	54.0	-9.0	2.30 H	191	38.4	6.6
3	*5230.00	114.2 PK			2.30 H	191	72.2	42.0
4	*5230.00	101.0 AV			2.30 H	191	59.0	42.0
5	#10460.00	59.1 PK	68.2	-9.1	2.74 H	319	41.7	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.8 PK	74.0	-16.2	1.73 V	272	51.2	6.6
2	5150.00	44.5 AV	54.0	-9.5	1.73 V	272	37.9	6.6
3	*5230.00	108.6 PK			1.73 V	272	66.6	42.0
4	*5230.00	95.6 AV			1.73 V	272	53.6	42.0
5	#10460.00	59.7 PK	68.2	-8.5	1.79 V	158	42.3	17.4

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 54：5270 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.5 PK	74.0	-15.5	2.07 H	182	51.9	6.6
2	5150.00	44.9 AV	54.0	-9.1	2.07 H	182	38.3	6.6
3	*5270.00	115.6 PK			2.07 H	182	73.7	41.9
4	*5270.00	103.2 AV			2.07 H	182	61.3	41.9
5	5350.00	60.8 PK	74.0	-13.2	2.07 H	182	54.4	6.4
6	5350.00	47.9 AV	54.0	-6.1	2.07 H	182	41.5	6.4
7	#10540.00	59.4 PK	68.2	-8.8	2.41 H	317	41.8	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	2.66 V	283	51.3	6.6
2	5150.00	44.9 AV	54.0	-9.1	2.66 V	283	38.3	6.6
3	*5270.00	107.0 PK			2.66 V	283	65.1	41.9
4	*5270.00	94.8 AV			2.66 V	283	52.9	41.9
5	5350.00	57.6 PK	74.0	-16.4	2.66 V	283	51.2	6.4
6	5350.00	44.6 AV	54.0	-9.4	2.66 V	283	38.2	6.4
7	#10540.00	58.1 PK	68.2	-10.1	2.02 V	159	40.5	17.6

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	114.1 PK			1.99 H	182	72.1	42.0
2	*5310.00	100.8 AV			1.99 H	182	58.8	42.0
3	5350.00	65.1 PK	74.0	-8.9	1.99 H	182	58.7	6.4
4	5350.00	52.2 AV	54.0	-1.8	1.99 H	182	45.8	6.4
5	10620.00	58.5 PK	74.0	-15.5	2.57 H	313	41.1	17.4
6	10620.00	44.5 AV	54.0	-9.5	2.57 H	313	27.1	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	103.7 PK			2.84 V	247	61.7	42.0
2	*5310.00	90.8 AV			2.84 V	247	48.8	42.0
3	5350.00	57.9 PK	74.0	-16.1	2.84 V	247	51.5	6.4
4	5350.00	44.6 AV	54.0	-9.4	2.84 V	247	38.2	6.4
5	10620.00	58.0 PK	74.0	-16.0	2.01 V	158	40.6	17.4
6	10620.00	45.7 AV	54.0	-8.3	2.01 V	158	28.3	17.4

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	2.08 H	181	54.7	6.3
2	5460.00	45.9 AV	54.0	-8.1	2.08 H	181	39.6	6.3
3	#5470.00	61.5 PK	68.2	-6.7	2.08 H	181	55.2	6.3
4	*5510.00	111.7 PK			2.08 H	181	69.6	42.1
5	*5510.00	98.3 AV			2.08 H	181	56.2	42.1
6	11020.00	60.2 PK	74.0	-13.8	2.88 H	315	41.6	18.6
7	11020.00	47.2 AV	54.0	-6.8	2.88 H	315	28.6	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.0 PK	74.0	-14.0	3.76 V	261	53.7	6.3
2	5460.00	45.7 AV	54.0	-8.3	3.76 V	261	39.4	6.3
3	#5470.00	60.5 PK	68.2	-7.7	3.76 V	261	54.2	6.3
4	*5510.00	110.3 PK			3.76 V	261	68.2	42.1
5	*5510.00	97.1 AV			3.76 V	261	55.0	42.1
6	11020.00	60.1 PK	74.0	-13.9	2.25 V	168	41.5	18.6
7	11020.00	47.0 AV	54.0	-7.0	2.25 V	168	28.4	18.6

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	111.9 PK			2.19 H	206	69.8	42.1
2	*5550.00	99.2 AV			2.19 H	206	57.1	42.1
3	11100.00	60.0 PK	74.0	-14.0	2.85 H	310	41.7	18.3
4	11100.00	47.0 AV	54.0	-7.0	2.85 H	310	28.7	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.5 PK			3.78 V	263	68.4	42.1
2	*5550.00	97.6 AV			3.78 V	263	55.5	42.1
3	11100.00	59.8 PK	74.0	-14.2	2.28 V	166	41.5	18.3
4	11100.00	46.8 AV	54.0	-7.2	2.28 V	166	28.5	18.3

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	113.0 PK			2.15 H	209	70.8	42.2
2	*5670.00	100.1 AV			2.15 H	209	57.9	42.2
3	#5725.00	67.5 PK	68.2	-0.7	2.15 H	209	61.0	6.5
4	11340.00	59.8 PK	74.0	-14.2	2.82 H	312	41.7	18.1
5	11340.00	46.9 AV	54.0	-7.1	2.82 H	312	28.8	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	111.5 PK			3.80 V	258	69.3	42.2
2	*5670.00	98.7 AV			3.80 V	258	56.5	42.2
3	#5725.00	66.5 PK	68.2	-1.7	3.80 V	258	60.0	6.5
4	11340.00	59.7 PK	74.0	-14.3	2.29 V	166	41.6	18.1
5	11340.00	46.6 AV	54.0	-7.4	2.29 V	166	28.5	18.1

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 142：5710 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.1 PK	68.2	-10.1	2.18 H	194	51.8	6.3
2	*5710.00	114.1 PK			2.18 H	194	71.8	42.3
3	*5710.00	100.5 AV			2.18 H	194	58.2	42.3
4	#5850.00	58.4 PK	68.2	-9.8	2.18 H	194	51.6	6.8
5	11420.00	59.6 PK	74.0	-14.4	2.91 H	318	41.7	17.9
6	11420.00	46.6 AV	54.0	-7.4	2.91 H	318	28.7	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.9 PK	68.2	-10.3	3.88 V	263	51.6	6.3
2	*5710.00	112.3 PK			3.88 V	263	70.0	42.3
3	*5710.00	98.5 AV			3.88 V	263	56.2	42.3
4	#5850.00	58.2 PK	68.2	-10.0	3.88 V	263	51.4	6.8
5	11420.00	59.5 PK	74.0	-14.5	2.28 V	161	41.6	17.9
6	11420.00	46.4 AV	54.0	-7.6	2.28 V	161	28.5	17.9

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 151：5755 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	61.8 PK	68.2	-6.4	2.19 H	194	55.5	6.3
2	*5755.00	113.7 PK			2.19 H	194	71.4	42.3
3	*5755.00	101.3 AV			2.19 H	194	59.0	42.3
4	#5990.80	58.6 PK	68.2	-9.6	2.19 H	194	51.4	7.2
5	11510.00	60.1 PK	74.0	-13.9	2.85 H	326	41.9	18.2
6	11510.00	47.0 AV	54.0	-7.0	2.85 H	326	28.8	18.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.00	60.1 PK	68.2	-8.1	3.51 V	245	53.8	6.3
2	*5755.00	111.7 PK			3.51 V	245	69.4	42.3
3	*5755.00	99.5 AV			3.51 V	245	57.2	42.3
4	#5925.20	58.1 PK	68.2	-10.1	3.51 V	245	50.8	7.3
5	11510.00	59.9 PK	74.0	-14.1	2.41 V	177	41.7	18.2
6	11510.00	46.7 AV	54.0	-7.3	2.41 V	177	28.5	18.2

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 159：5795 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.80	59.1 PK	68.2	-9.1	2.14 H	196	52.8	6.3
2	*5795.00	113.9 PK			2.14 H	196	71.7	42.2
3	*5795.00	101.2 AV			2.14 H	196	59.0	42.2
4	#5928.00	63.8 PK	68.2	-4.4	2.14 H	196	56.5	7.3
5	11590.00	59.6 PK	74.0	-14.4	2.88 H	328	41.8	17.8
6	11590.00	46.5 AV	54.0	-7.5	2.88 H	328	28.7	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.40	57.6 PK	68.2	-10.6	3.55 V	248	51.3	6.3
2	*5795.00	111.4 PK			3.55 V	248	69.2	42.2
3	*5795.00	99.0 AV			3.55 V	248	56.8	42.2
4	#5926.00	63.2 PK	68.2	-5.0	3.55 V	248	55.9	7.3
5	11590.00	59.4 PK	74.0	-14.6	2.43 V	181	41.6	17.8
6	11590.00	46.3 AV	54.0	-7.7	2.43 V	181	28.5	17.8

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 42：5210 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.3 PK	74.0	-10.7	2.32 H	205	56.7	6.6
2	5150.00	48.5 AV	54.0	-5.5	2.32 H	205	41.9	6.6
3	*5210.00	109.2 PK			2.32 H	205	67.2	42.0
4	*5210.00	96.4 AV			2.32 H	205	54.4	42.0
5	5350.00	58.2 PK	74.0	-15.8	2.32 H	205	51.8	6.4
6	5350.00	45.4 AV	54.0	-8.6	2.32 H	205	39.0	6.4
7	#10420.00	59.2 PK	68.2	-9.0	2.49 H	302	42.0	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.0 PK	74.0	-15.0	1.79 V	271	52.4	6.6
2	5150.00	46.1 AV	54.0	-7.9	1.79 V	271	39.5	6.6
3	*5210.00	105.6 PK			1.79 V	271	63.6	42.0
4	*5210.00	91.4 AV			1.79 V	271	49.4	42.0
5	5350.00	57.1 PK	74.0	-16.9	1.79 V	271	50.7	6.4
6	5350.00	44.4 AV	54.0	-9.6	1.79 V	271	38.0	6.4
7	#10420.00	59.4 PK	68.2	-8.8	1.92 V	175	42.2	17.2

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 58：5290 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.1 PK	74.0	-15.9	2.39 H	191	51.5	6.6
2	5150.00	45.1 AV	54.0	-8.9	2.39 H	191	38.5	6.6
3	*5290.00	112.2 PK			2.39 H	191	70.3	41.9
4	*5290.00	99.0 AV			2.39 H	191	57.1	41.9
5	5350.00	62.3 PK	74.0	-11.7	2.39 H	191	55.9	6.4
6	5350.00	49.6 AV	54.0	-4.4	2.39 H	191	43.2	6.4
7	#10580.00	57.8 PK	68.2	-10.4	2.59 H	322	40.4	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.1 PK	74.0	-15.9	2.67 V	283	51.5	6.6
2	5150.00	45.1 AV	54.0	-8.9	2.67 V	283	38.5	6.6
3	*5290.00	100.1 PK			2.67 V	283	58.2	41.9
4	*5290.00	87.9 AV			2.67 V	283	46.0	41.9
5	5350.00	58.1 PK	74.0	-15.9	2.67 V	283	51.7	6.4
6	5350.00	45.2 AV	54.0	-8.8	2.67 V	283	38.8	6.4
7	#10580.00	58.0 PK	68.2	-10.2	2.05 V	152	40.6	17.4

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 106：5530 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.8 PK	74.0	-11.2	2.22 H	209	56.5	6.3
2	5460.00	47.5 AV	54.0	-6.5	2.22 H	209	41.2	6.3
3	#5470.00	63.3 PK	68.2	-4.9	2.22 H	209	57.0	6.3
4	*5530.00	108.5 PK			2.22 H	209	66.4	42.1
5	*5530.00	95.7 AV			2.22 H	209	53.6	42.1
6	#5725.00	58.1 PK	68.2	-10.1	2.22 H	209	51.6	6.5
7	11060.00	60.0 PK	74.0	-14.0	2.82 H	321	41.6	18.4
8	11060.00	46.9 AV	54.0	-7.1	2.82 H	321	28.5	18.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	3.75 V	266	54.8	6.3
2	5460.00	48.8 AV	54.0	-5.2	3.75 V	266	42.5	6.3
3	#5470.00	62.1 PK	68.2	-6.1	3.75 V	266	55.8	6.3
4	*5530.00	106.1 PK			3.75 V	266	64.0	42.1
5	*5530.00	93.8 AV			3.75 V	266	51.7	42.1
6	#5725.00	58.1 PK	68.2	-10.1	3.75 V	266	51.6	6.5
7	11060.00	59.9 PK	74.0	-14.1	2.28 V	165	41.5	18.4
8	11060.00	46.9 AV	54.0	-7.1	2.28 V	165	28.5	18.4

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	2.15 H	209	52.5	6.3
2	5460.00	46.3 AV	54.0	-7.7	2.15 H	209	40.0	6.3
3	#5470.00	59.4 PK	68.2	-8.8	2.15 H	209	53.1	6.3
4	*5610.00	109.7 PK			2.15 H	209	67.6	42.1
5	*5610.00	96.9 AV			2.15 H	209	54.8	42.1
6	#5725.00	64.2 PK	68.2	-4.0	2.15 H	209	57.7	6.5
7	11220.00	60.3 PK	74.0	-13.7	2.88 H	326	41.8	18.5
8	11220.00	47.2 AV	54.0	-6.8	2.88 H	326	28.7	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.9 PK	74.0	-16.1	3.78 V	269	51.6	6.3
2	5460.00	45.3 AV	54.0	-8.7	3.78 V	269	39.0	6.3
3	#5470.00	58.3 PK	68.2	-9.9	3.78 V	269	52.0	6.3
4	*5610.00	107.5 PK			3.78 V	269	65.4	42.1
5	*5610.00	94.2 AV			3.78 V	269	52.1	42.1
6	#5725.00	63.0 PK	68.2	-5.2	3.78 V	269	56.5	6.5
7	11220.00	60.1 PK	74.0	-13.9	2.31 V	169	41.6	18.5
8	11220.00	47.1 AV	54.0	-6.9	2.31 V	169	28.6	18.5

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.1 PK	68.2	-10.1	2.17 H	210	51.8	6.3
2	*5690.00	111.0 PK			2.17 H	210	68.7	42.3
3	*5690.00	98.3 AV			2.17 H	210	56.0	42.3
4	#5850.00	58.3 PK	68.2	-9.9	2.17 H	210	51.5	6.8
5	11380.00	59.5 PK	74.0	-14.5	2.88 H	325	41.7	17.8
6	11380.00	46.4 AV	54.0	-7.6	2.88 H	325	28.6	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.8 PK	68.2	-10.4	3.78 V	262	51.5	6.3
2	*5690.00	108.7 PK			3.78 V	262	66.4	42.3
3	*5690.00	95.6 AV			3.78 V	262	53.3	42.3
4	#5850.00	58.2 PK	68.2	-10.0	3.78 V	262	51.4	6.8
5	11380.00	59.4 PK	74.0	-14.6	2.31 V	168	41.6	17.8
6	11380.00	46.2 AV	54.0	-7.8	2.31 V	168	28.4	17.8

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.60	62.9 PK	68.2	-5.3	2.05 H	198	56.6	6.3
2	*5775.00	109.0 PK			2.05 H	198	66.8	42.2
3	*5775.00	95.4 AV			2.05 H	198	53.2	42.2
4	#5926.80	60.7 PK	68.2	-7.5	2.05 H	198	53.4	7.3
5	11550.00	59.9 PK	74.0	-14.1	2.89 H	321	41.8	18.1
6	11550.00	46.7 AV	54.0	-7.3	2.89 H	321	28.6	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.80	61.1 PK	68.2	-7.1	3.52 V	247	54.8	6.3
2	*5775.00	107.2 PK			3.52 V	247	65.0	42.2
3	*5775.00	93.6 AV			3.52 V	247	51.4	42.2
4	#5926.40	60.0 PK	68.2	-8.2	3.52 V	247	52.7	7.3
5	11550.00	59.9 PK	74.0	-14.1	2.45 V	182	41.8	18.1
6	11550.00	46.7 AV	54.0	-7.3	2.45 V	182	28.6	18.1

Remarks:

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

RF Mode	TX 802.11ax (HE160)	Channel	CH 50：5250 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.4 PK	74.0	-13.6	2.19 H	203	53.8	6.6
2	5150.00	46.6 AV	54.0	-7.4	2.19 H	203	40.0	6.6
3	*5250.00	102.5 PK			2.19 H	203	60.6	41.9
4	*5250.00	90.1 AV			2.19 H	203	48.2	41.9
5	5350.00	62.0 PK	74.0	-12.0	2.19 H	203	55.6	6.4
6	5350.00	47.9 AV	54.0	-6.1	2.19 H	203	41.5	6.4
7	#10500.00	59.0 PK	68.2	-9.2	2.89 H	331	41.2	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	3.60 V	301	52.9	6.6
2	5150.00	46.0 AV	54.0	-8.0	3.60 V	301	39.4	6.6
3	*5250.00	99.5 PK			3.60 V	301	57.6	41.9
4	*5250.00	86.0 AV			3.60 V	301	44.1	41.9
5	5350.00	59.0 PK	74.0	-15.0	3.60 V	301	52.6	6.4
6	5350.00	46.1 AV	54.0	-7.9	3.60 V	301	39.7	6.4
7	#10500.00	59.1 PK	68.2	-9.1	2.45 V	178	41.3	17.8

Remarks:

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

RF Mode	TX 802.11ax (HE160)	Channel	CH 114：5570 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.6 PK	74.0	-15.4	2.37 H	207	52.3	6.3
2	5460.00	46.1 AV	54.0	-7.9	2.37 H	207	39.8	6.3
3	#5470.00	59.3 PK	68.2	-8.9	2.37 H	207	53.0	6.3
4	*5570.00	102.0 PK			2.37 H	207	59.9	42.1
5	*5570.00	89.3 AV			2.37 H	207	47.2	42.1
6	#5725.00	61.5 PK	68.2	-6.7	2.37 H	207	55.0	6.5
7	11140.00	59.9 PK	74.0	-14.1	2.91 H	335	41.6	18.3
8	11140.00	46.9 AV	54.0	-7.1	2.91 H	335	28.6	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	3.55 V	241	52.5	6.3
2	5460.00	45.8 AV	54.0	-8.2	3.55 V	241	39.5	6.3
3	#5470.00	59.4 PK	68.2	-8.8	3.55 V	241	53.1	6.3
4	*5570.00	100.5 PK			3.55 V	241	58.4	42.1
5	*5570.00	87.7 AV			3.55 V	241	45.6	42.1
6	#5725.00	61.6 PK	68.2	-6.6	3.55 V	241	55.1	6.5
7	11140.00	59.6 PK	74.0	-14.4	2.45 V	182	41.3	18.3
8	11140.00	46.7 AV	54.0	-7.3	2.45 V	182	28.4	18.3

Remarks:

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

9 kHz ~ 30 MHz Data:

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

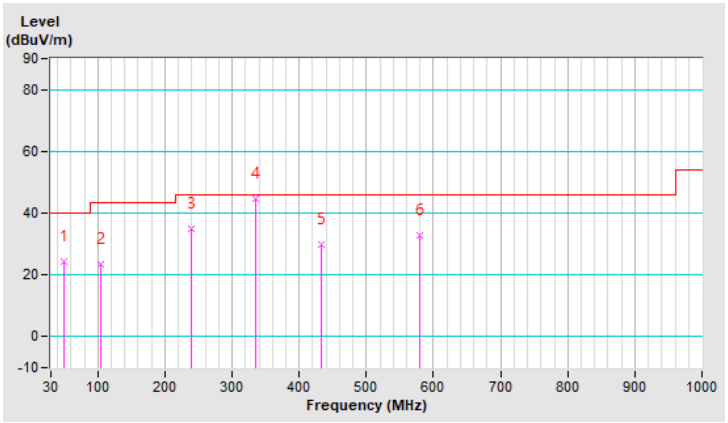
30 MHz ~ 1 GHz Worst-Case Data:

RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	49.68	24.4 QP	40.0	-15.6	1.00 H	271	33.5	-9.1
2	104.51	23.4 QP	43.5	-20.1	1.49 H	204	35.9	-12.5
3	239.46	34.8 QP	46.0	-11.2	1.49 H	5	44.0	-9.2
4	335.06	44.8 QP	46.0	-1.2	1.00 H	12	50.5	-5.7
5	432.06	30.0 QP	46.0	-16.0	1.00 H	136	33.6	-3.6
6	579.67	32.9 QP	46.0	-13.1	1.00 H	9	33.4	-0.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

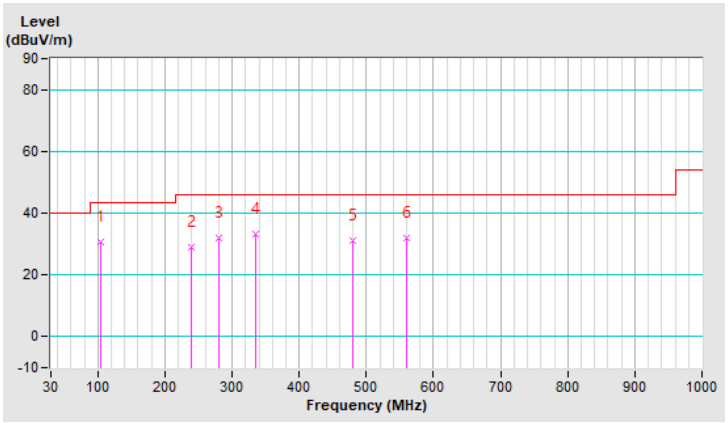


RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	104.51	30.8 QP	43.5	-12.7	1.00 V	166	43.3	-12.5
2	239.46	28.9 QP	46.0	-17.1	1.50 V	286	38.1	-9.2
3	280.23	31.9 QP	46.0	-14.1	1.00 V	5	38.8	-6.9
4	335.06	33.3 QP	46.0	-12.7	1.50 V	16	39.0	-5.7
5	479.86	31.3 QP	46.0	-14.7	1.00 V	126	33.9	-2.6
6	559.99	32.1 QP	46.0	-13.9	1.00 V	102	33.2	-1.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver ROHDE & SCHWARZ	ESCI	100613	Dec. 04, 2020	Dec. 03, 2021
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond1-01	Sep. 04, 2020	Sep. 03, 2021
LISN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Mar. 19, 2020	Mar. 18, 2021
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Aug. 28, 2020	Aug. 27, 2021
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 1 (Conduction 1).
3. The VCCI Site Registration No. is C-12040.

4.2.3 Test Procedures

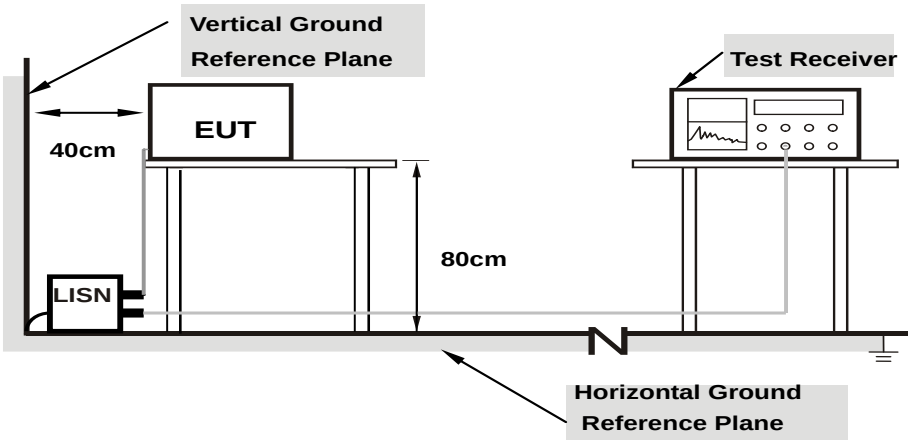
a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit -20 dB) was not recorded.

Note: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

4.2.6 EUT Operating Conditions

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

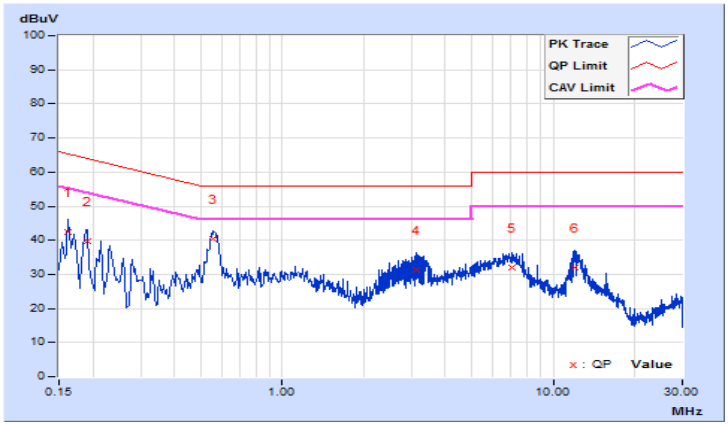
4.2.7 Test Results

Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	23℃, 66%RH
Tested by	Titan Hsu	**Test Date**	2021/1/30

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.16200	9.65	32.74	20.99	42.39	30.64	65.36	55.36	-22.97	-24.72
2	0.19000	9.65	30.16	18.01	39.81	27.66	64.04	54.04	-24.23	-26.38
3	**0.55800**	**9.69**	**30.71**	**24.59**	**40.40**	**34.28**	**56.00**	**46.00**	**-15.60**	**-11.72**
4	3.13400	9.73	21.53	12.27	31.26	22.00	56.00	46.00	-24.74	-24.00
5	7.04600	9.77	22.07	17.05	31.84	26.82	60.00	50.00	-28.16	-23.18
6	11.99400	9.79	22.08	11.45	31.87	21.24	60.00	50.00	-28.13	-28.76

Remarks:

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

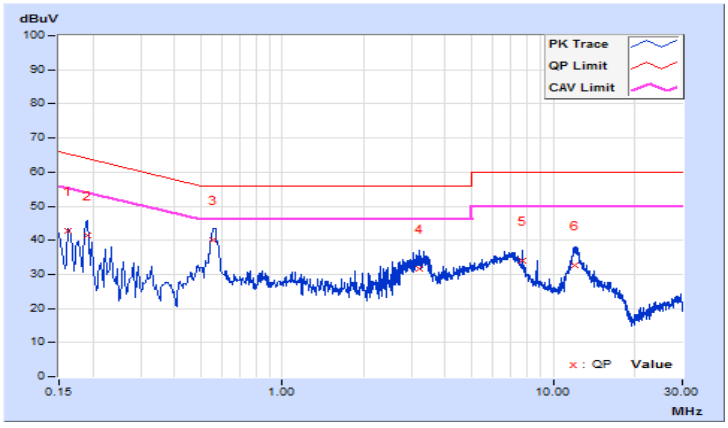


Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	23℃, 66%RH
Tested by	Titan Hsu	**Test Date**	2021/1/30

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.16190	9.68	33.21	20.21	42.89	29.89	65.37	55.37	-22.48	-25.48
2	0.19000	9.67	31.64	17.81	41.31	27.48	64.04	54.04	-22.73	-26.56
3	0.55800	9.71	30.24	24.15	39.95	33.86	56.00	46.00	-16.05	-12.14
4	3.18600	9.76	22.04	13.04	31.80	22.80	56.00	46.00	-24.20	-23.20
5	7.69400	9.81	24.33	20.68	34.14	30.49	60.00	50.00	-25.86	-19.51
6	12.09000	9.85	22.85	13.41	32.70	23.26	60.00	50.00	-27.30	-26.74

Remarks:

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



4.3 Transmit Power Measurement

4.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125 mW (21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client device	250 mW (24 dBm)
U-NII-2A	√		250 mW (24 dBm) or 11 dBm + 10 log B*
U-NII-2C	√		250 mW (24 dBm) or 11 dBm + 10 log B*
U-NII-3	√		1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

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

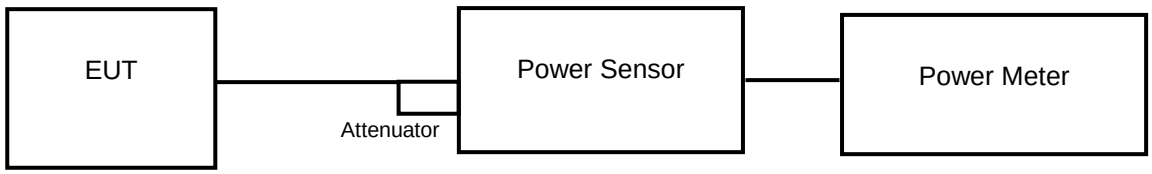
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

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

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

4.3.2 Test Setup

<Power Output Measurement>



4.3.3 Test Instruments

Refer to section 4.1.3 to get information of above instrument.

4.3.4 Test Procedure

Average Power Measurement

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

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Results

(SISO)

802.11a

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
36	5180	15.03	14.86	11.77	11.72	24	Pass
40	5200	14.86	14.31	11.72	11.75	24	Pass
48	5240	15.14	14.27	11.80	11.76	24	Pass
52	5260	16.67	14.39	12.22	12.23	24	Pass
60	5300	16.90	14.31	12.28	12.20	24	Pass
64	5320	16.98	14.34	12.30	12.26	24	Pass
100	5500	16.90	14.32	12.28	12.29	24	Pass
116	5580	16.63	14.00	12.21	12.23	24	Pass
140	5700	16.87	14.31	12.27	12.21	24	Pass
149	5745	16.71	14.38	12.23	12.21	30	Pass
157	5785	16.67	14.32	12.22	12.23	30	Pass
165	5825	16.56	14.36	12.19	12.25	30	Pass

802.11n (HT20)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
36	5180	15.03	12.41	11.77	11.78	24	Pass
40	5200	14.89	12.36	11.73	11.73	24	Pass
48	5240	15.14	12.31	11.80	11.79	24	Pass
52	5260	16.79	12.43	12.25	12.22	24	Pass
60	5300	16.44	12.42	12.16	12.21	24	Pass
64	5320	16.94	12.32	12.29	12.27	24	Pass
100	5500	16.71	12.29	12.23	12.29	24	Pass
116	5580	16.60	12.33	12.20	12.20	24	Pass
140	5700	16.87	12.38	12.27	12.26	24	Pass
144	5720	16.67	12.32	12.22	12.21	24	Pass
149	5745	16.75	12.42	12.24	12.23	30	Pass
157	5785	16.87	12.36	12.27	12.26	30	Pass
165	5825	16.67	12.28	12.22	12.27	30	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
38	5190	15.00	14.37	11.76	11.71	24	Pass
46	5230	15.10	14.35	11.79	11.74	24	Pass
54	5270	16.63	14.36	12.21	12.27	24	Pass
62	5310	16.83	14.31	12.26	12.26	24	Pass
102	5510	16.98	14.40	12.30	12.23	24	Pass
110	5550	16.56	14.38	12.19	12.21	24	Pass
134	5670	16.79	14.34	12.25	12.28	24	Pass
142	5710	16.75	14.33	12.24	12.25	24	Pass
151	5755	16.90	14.33	12.28	12.24	30	Pass
159	5795	16.98	14.37	12.30	12.23	30	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
42	5210	15.14	14.28	11.80	11.79	24	Pass
58	5290	16.94	14.31	12.29	11.73	24	Pass
106	5530	16.75	14.36	12.24	12.28	24	Pass
122	5610	16.63	14.34	12.21	12.23	24	Pass
138	5690	16.79	14.29	12.25	12.20	24	Pass
155	5775	16.75	14.31	12.24	12.26	30	Pass

802.11ac (VHT160)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
50	5250	15.03	13.76	11.77	11.81	24	Pass
114	5570	16.71	14.43	12.23	12.24	24	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
36	5180	15.07	14.46	11.78	11.83	24	Pass
40	5200	15.00	14.43	11.76	11.76	24	Pass
48	5240	15.24	14.35	11.83	11.81	24	Pass
52	5260	16.90	14.31	12.28	12.28	24	Pass
60	5300	16.52	14.42	12.18	12.23	24	Pass
64	5320	17.02	14.33	12.31	12.30	24	Pass
100	5500	16.94	14.32	12.29	12.32	24	Pass
116	5580	16.67	14.28	12.22	12.22	24	Pass
140	5700	16.94	14.32	12.29	12.29	24	Pass
144	5720	16.79	14.34	12.25	12.27	24	Pass
149	5745	16.90	14.28	12.28	12.25	30	Pass
157	5785	16.98	14.44	12.30	12.28	30	Pass
165	5825	16.83	14.34	12.26	12.30	30	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
38	5190	15.14	14.47	11.80	11.78	24	Pass
46	5230	15.24	14.29	11.83	11.80	24	Pass
54	5270	16.83	14.33	12.26	12.31	24	Pass
62	5310	16.94	14.34	12.29	12.29	24	Pass
102	5510	17.06	14.46	12.32	12.27	24	Pass
110	5550	16.63	14.41	12.21	12.22	24	Pass
134	5670	16.87	14.31	12.27	12.33	24	Pass
142	5710	16.79	14.35	12.25	12.30	24	Pass
151	5755	17.02	14.41	12.31	12.28	30	Pass
159	5795	17.10	14.39	12.33	12.27	30	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
42	5210	15.24	14.46	11.83	11.82	24	Pass
58	5290	17.10	14.44	12.33	11.77	24	Pass
106	5530	16.94	14.42	12.29	12.31	24	Pass
138	5690	16.83	14.31	12.26	12.29	24	Pass
155	5775	16.94	14.32	12.29	12.29	30	Pass

802.11ax (HE160)

Channel	Frequency (MHz)	Maximum Conducted Power (mW)		Maximum Conducted Power (dBm)		Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 0	Chain 1		
50	5250	15.17	14.48	11.81	11.83	24	Pass
114	5570	16.79	14.39	12.25	12.30	24	Pass

(MIMO)

802.11n (HT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	11.77	11.72	29.92	14.76	24	Pass
40	5200	11.71	11.74	29.79	14.74	24	Pass
48	5240	11.76	11.78	30.06	14.78	24	Pass
52	5260	12.23	12.26	33.57	15.26	24	Pass
60	5300	12.27	12.28	33.81	15.29	24	Pass
64	5320	12.25	12.21	33.42	15.24	24	Pass
100	5500	12.29	12.33	34.04	15.32	24	Pass
116	5580	12.28	12.31	33.96	15.31	24	Pass
140	5700	12.26	12.32	33.88	15.30	24	Pass
144	5720	12.23	12.28	33.65	15.27	24	Pass
149	5745	12.28	12.31	33.96	15.31	30	Pass
157	5785	12.25	12.34	33.96	15.31	30	Pass
165	5825	12.30	12.33	34.12	15.33	30	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	11.72	11.73	29.79	14.74	24	Pass
46	5230	11.73	11.75	29.85	14.75	24	Pass
54	5270	12.24	12.28	33.65	15.27	24	Pass
62	5310	12.29	12.33	34.04	15.32	24	Pass
102	5510	12.21	12.27	33.50	15.25	24	Pass
110	5550	12.26	12.30	33.81	15.29	24	Pass
134	5670	12.25	12.29	33.73	15.28	24	Pass
142	5710	12.24	12.26	33.57	15.26	24	Pass
151	5755	12.30	12.34	34.12	15.33	30	Pass
159	5795	12.27	12.31	33.88	15.30	30	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	11.67	11.82	29.92	14.76	24	Pass
58	5290	12.22	12.30	33.65	15.27	24	Pass
106	5530	12.29	12.21	33.57	15.26	24	Pass
122	5610	12.21	12.33	33.73	15.28	24	Pass
138	5690	12.18	12.34	33.65	15.27	24	Pass
155	5775	12.25	12.21	33.42	15.24	30	Pass

802.11ac (VHT160)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
50	5250	11.78	11.72	29.92	14.76	24	Pass
114	5570	12.21	12.29	33.57	15.26	24	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	11.81	11.72	30.06	14.78	24	Pass
40	5200	11.79	11.74	30.06	14.78	24	Pass
48	5240	11.80	11.78	30.20	14.80	24	Pass
52	5260	12.25	12.39	34.12	15.33	24	Pass
60	5300	12.30	12.31	34.04	15.32	24	Pass
64	5320	12.29	12.27	33.81	15.29	24	Pass
100	5500	12.33	12.37	34.36	15.36	24	Pass
116	5580	12.31	12.33	34.12	15.33	24	Pass
140	5700	12.30	12.35	34.20	15.34	24	Pass
144	5720	12.27	12.31	33.88	15.30	24	Pass
149	5745	12.31	12.33	34.12	15.33	30	Pass
157	5785	12.39	12.46	34.99	15.44	30	Pass
165	5825	12.33	12.36	34.36	15.36	30	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	11.77	11.78	30.13	14.79	24	Pass
46	5230	11.76	11.77	30.06	14.78	24	Pass
54	5270	12.28	12.36	34.12	15.33	24	Pass
62	5310	12.31	12.37	34.28	15.35	24	Pass
102	5510	12.26	12.28	33.73	15.28	24	Pass
110	5550	12.29	12.34	34.12	15.33	24	Pass
134	5670	12.29	12.33	34.04	15.32	24	Pass
142	5710	12.30	12.28	33.88	15.30	24	Pass
151	5755	12.33	12.38	34.43	15.37	30	Pass
159	5795	12.31	12.36	34.28	15.35	30	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	11.74	11.85	30.27	14.81	24	Pass
58	5290	12.29	12.34	34.12	15.33	24	Pass
106	5530	12.33	12.30	34.12	15.33	24	Pass
122	5610	12.27	12.37	34.12	15.33	24	Pass
138	5690	12.20	12.36	33.81	15.29	24	Pass
155	5775	12.29	12.27	33.81	15.29	30	Pass

802.11ax (HE160)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
50	5250	11.80	11.77	30.20	14.80	24	Pass
114	5570	12.28	12.30	33.88	15.30	24	Pass

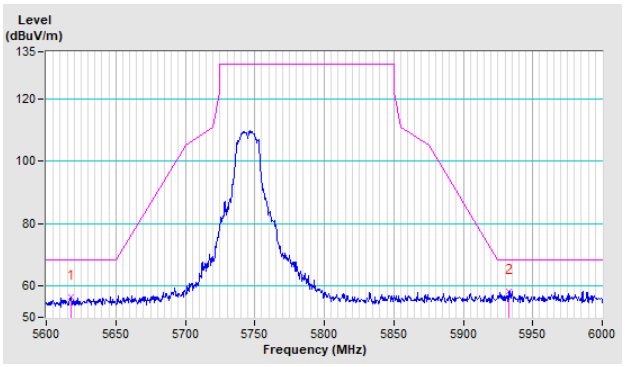
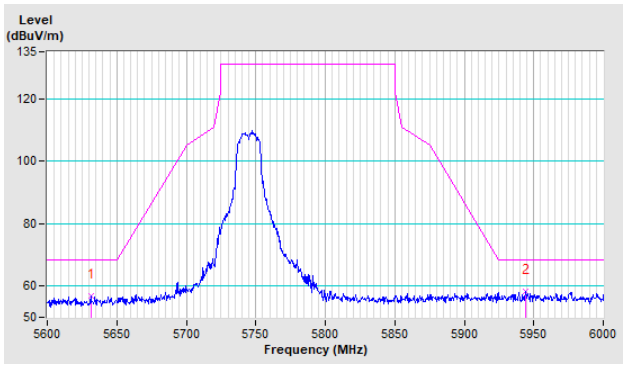
5 Pictures of Test Arrangements

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

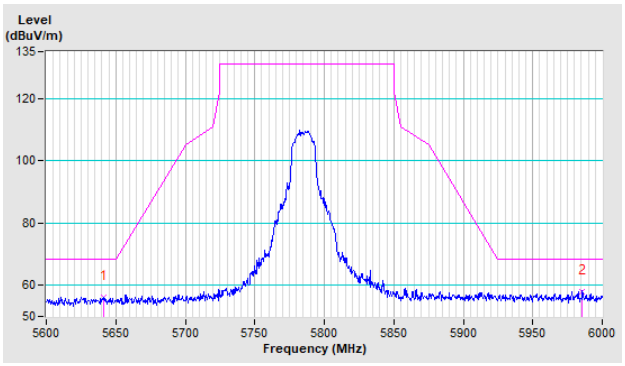
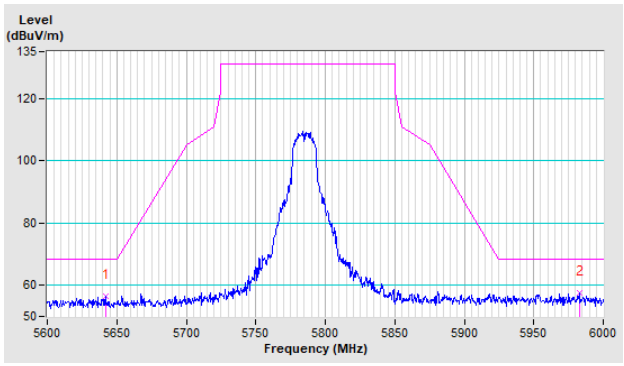
Annex A- Radiated Out of Band Emission (OOBE) Measurement

802.11a

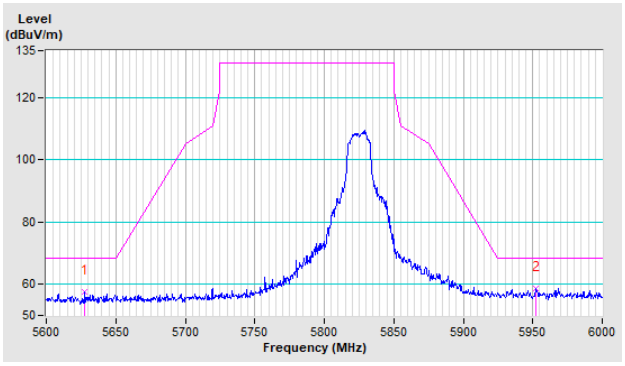
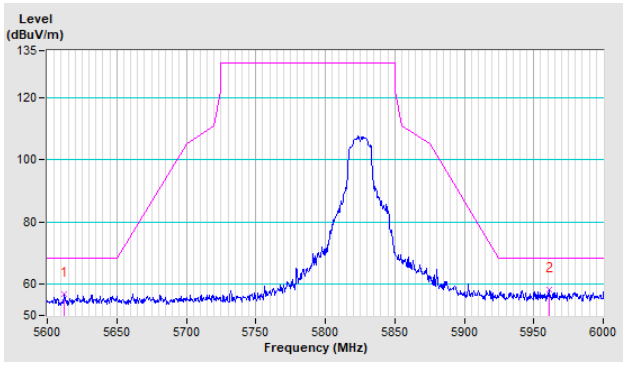
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

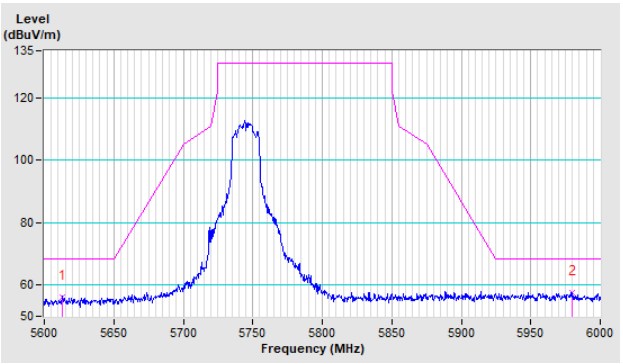
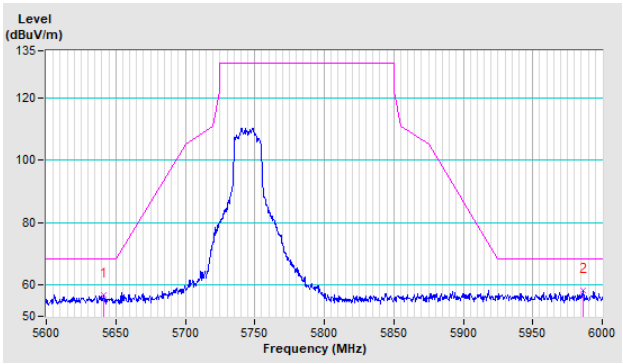
Horizontal	Vertical
	

CH 165 5825 MHz

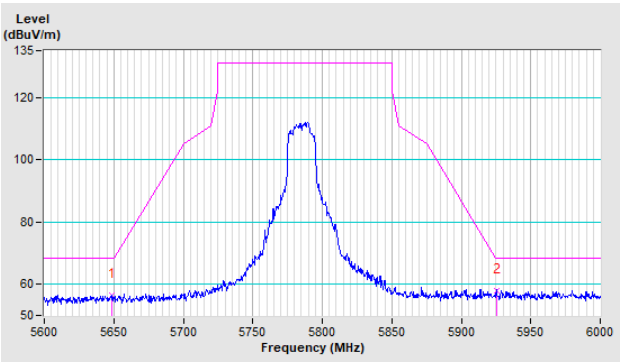
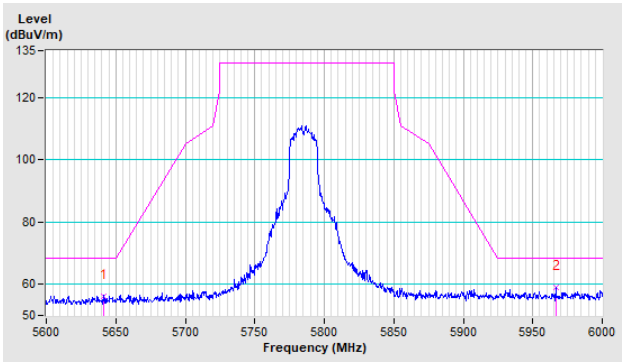
Horizontal	Vertical
	

802.11ax (HE20)

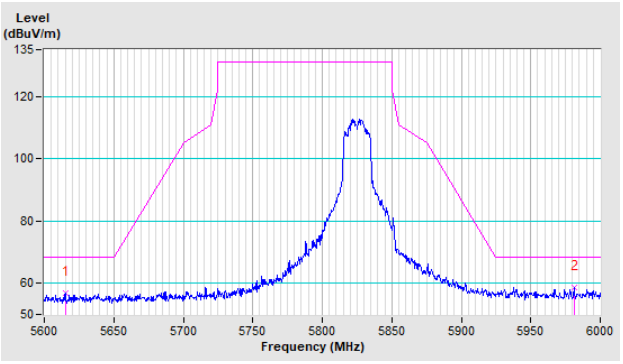
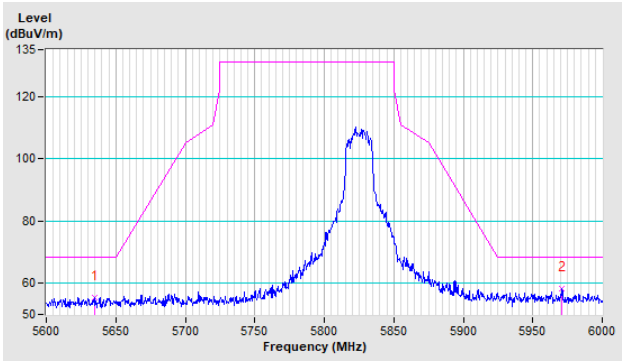
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

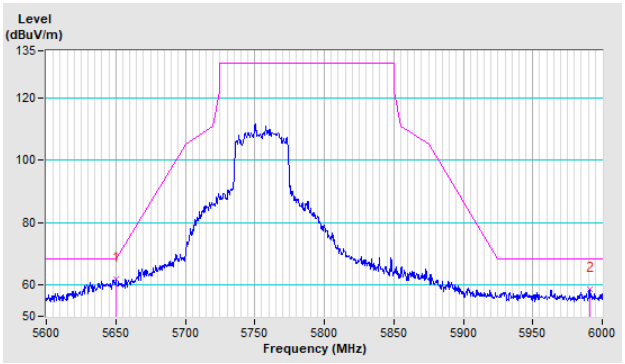
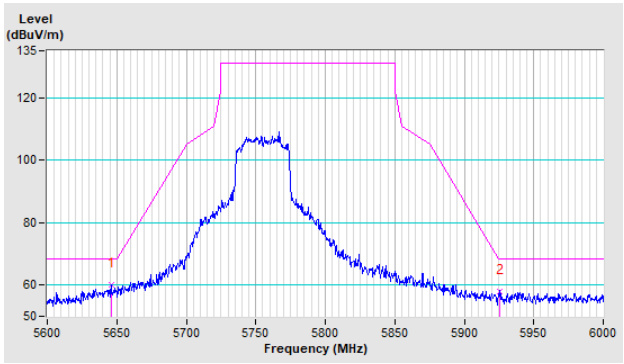
Horizontal	Vertical
	

CH 165 5825 MHz

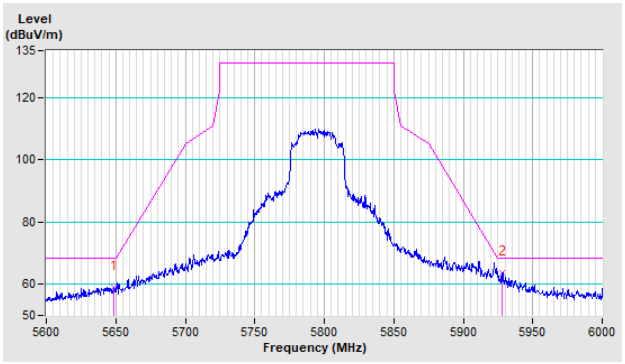
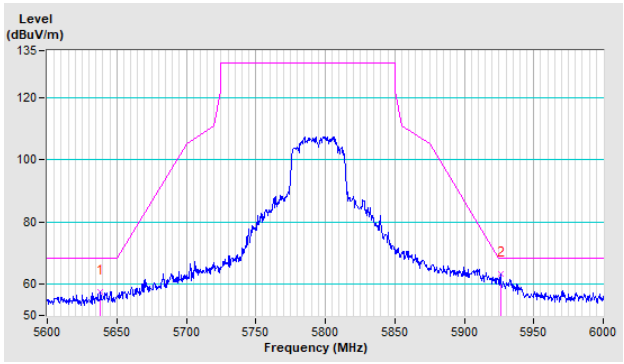
Horizontal	Vertical
	

802.11ax (HE40)

CH 151 5755 MHz

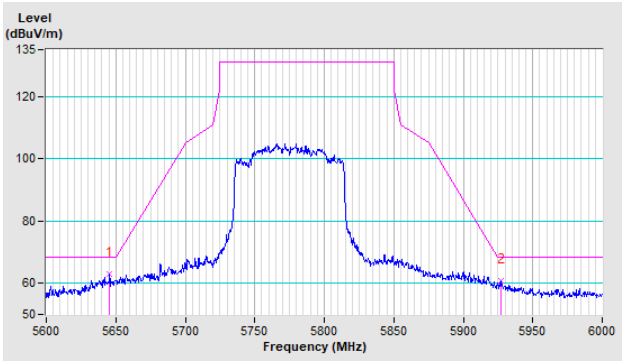
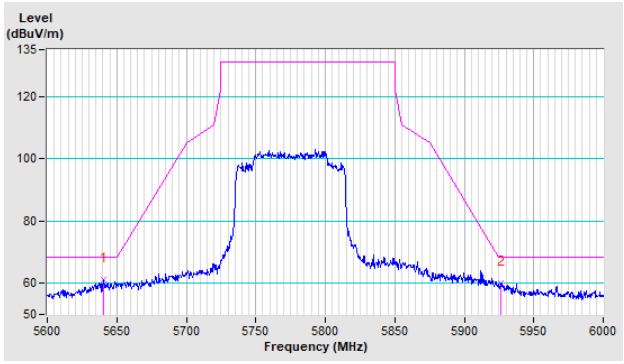
Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

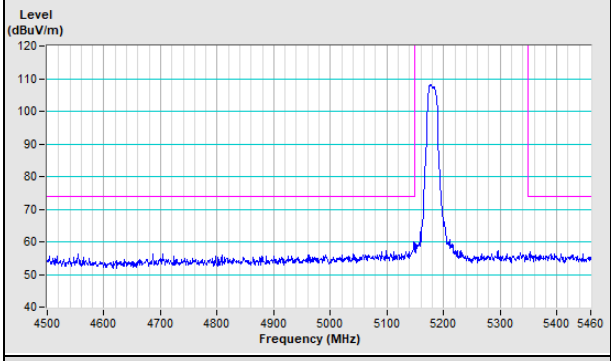
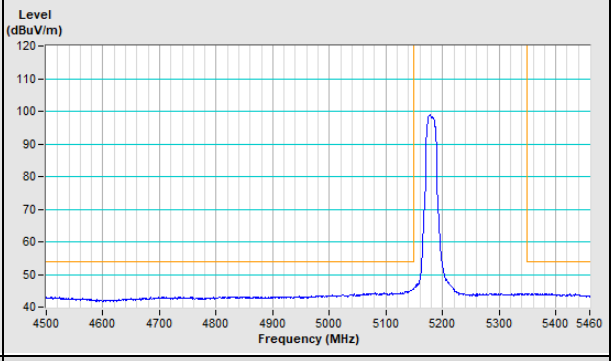
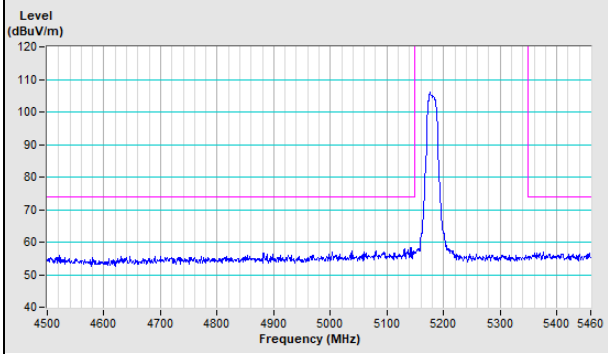
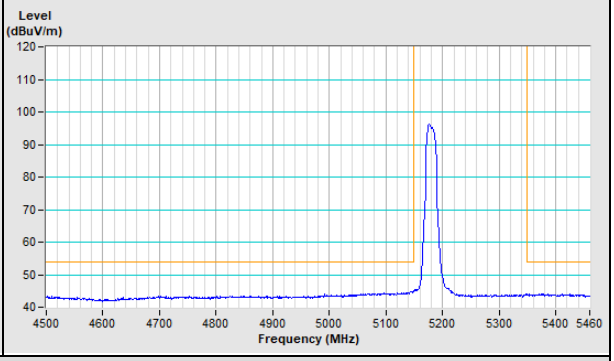
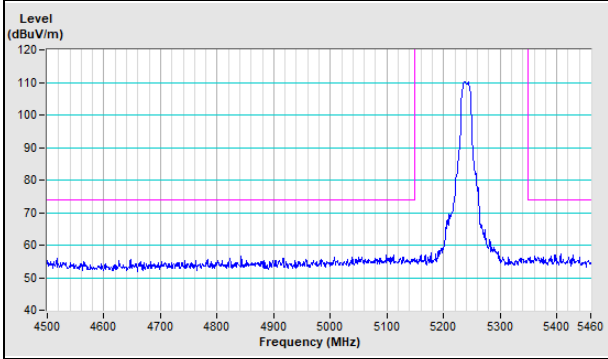
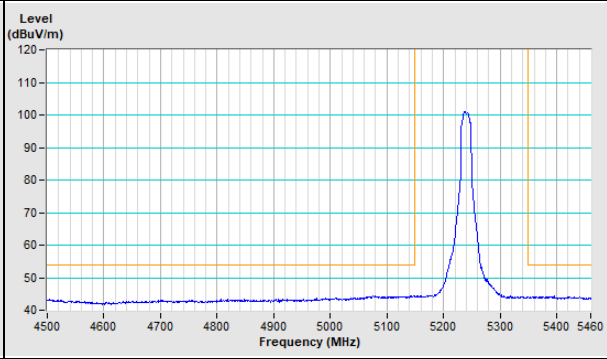
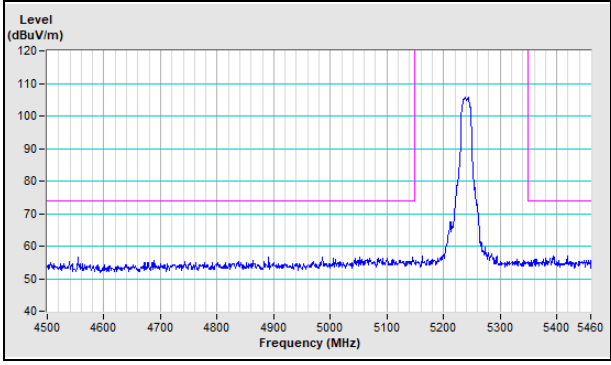
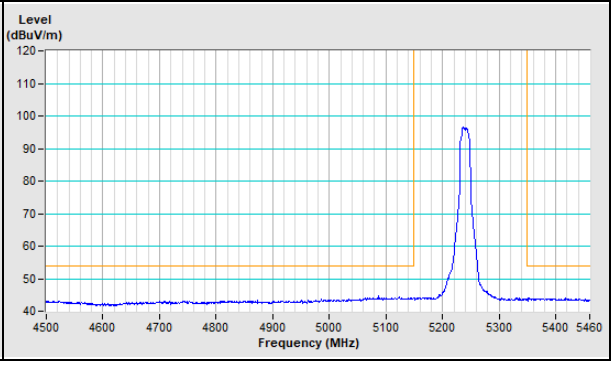
802.11ax (HE80)

CH 155 5775 MHz

Horizontal	Vertical
	

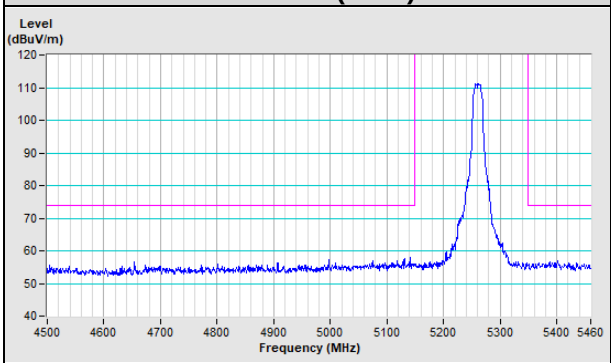
Annex B- Band-edge measurement

802.11a

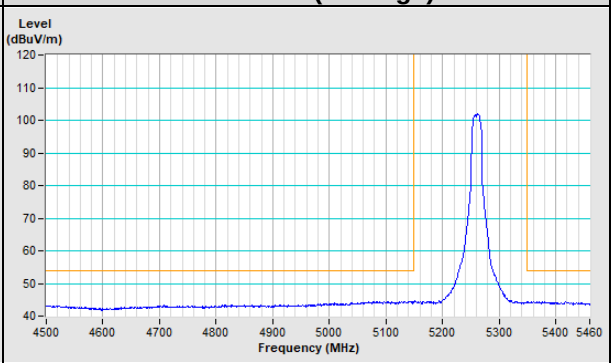
802.11a Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11a Channel 52

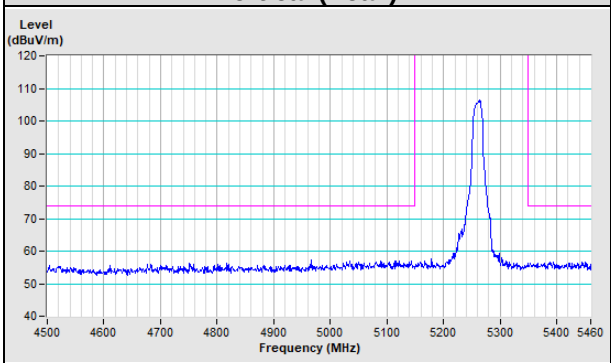
Horizontal (Peak)



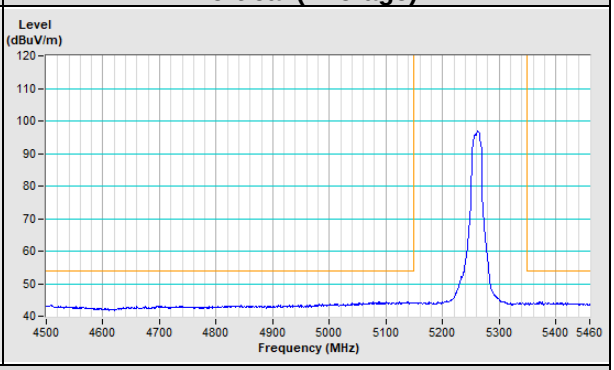
Horizontal (Average)



Vertical (Peak)

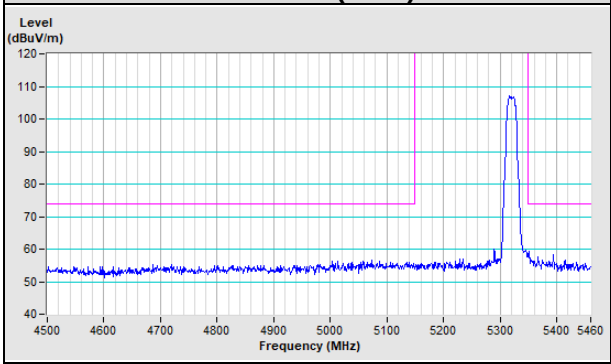


Vertical (Average)

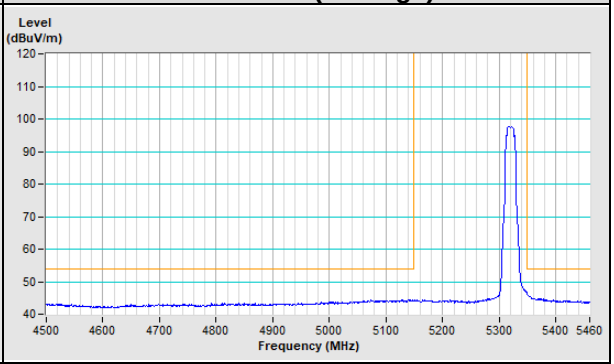


802.11a Channel 64

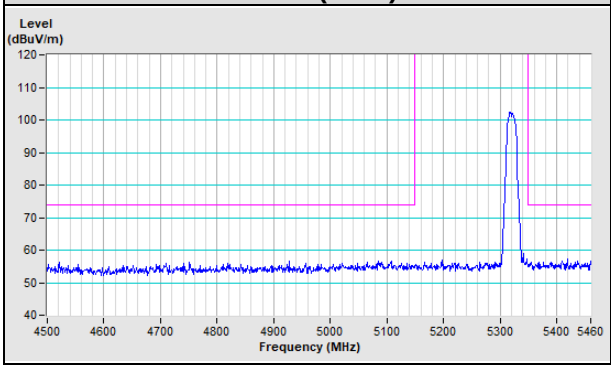
Horizontal (Peak)



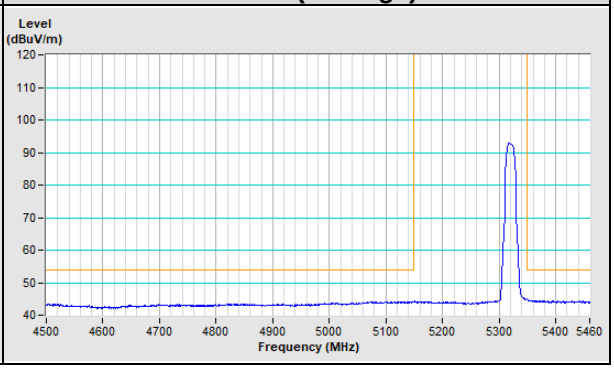
Horizontal (Average)

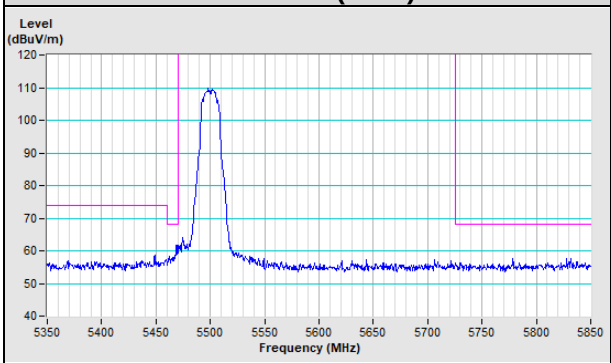
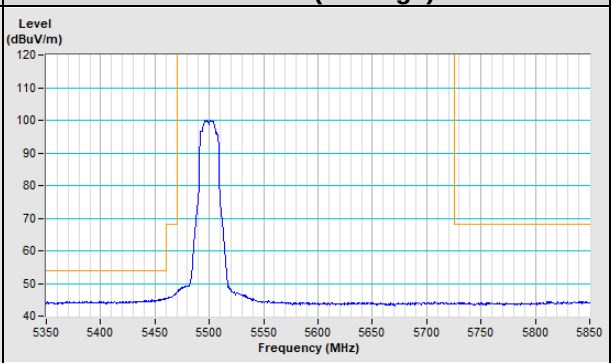
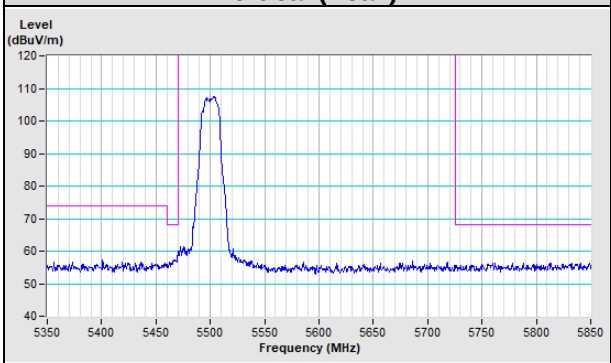
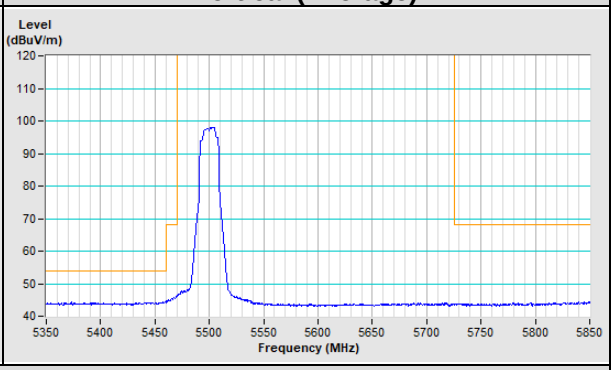
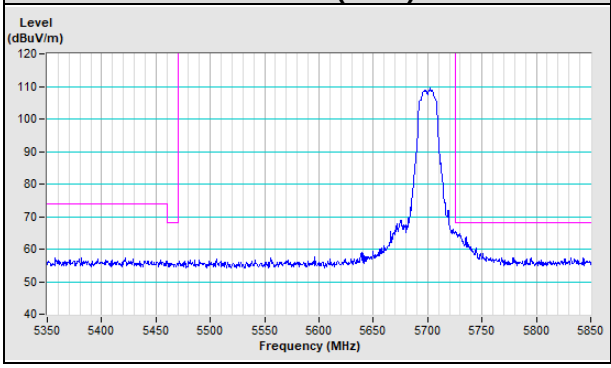
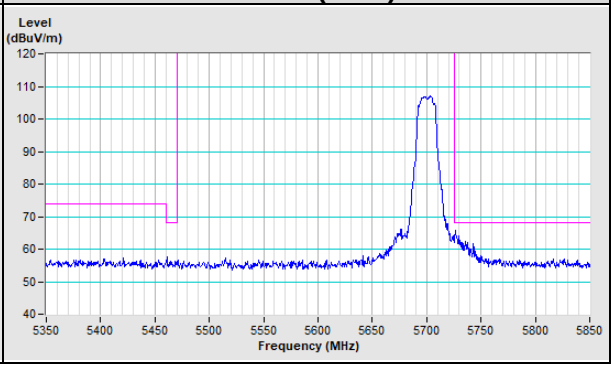


Vertical (Peak)



Vertical (Average)

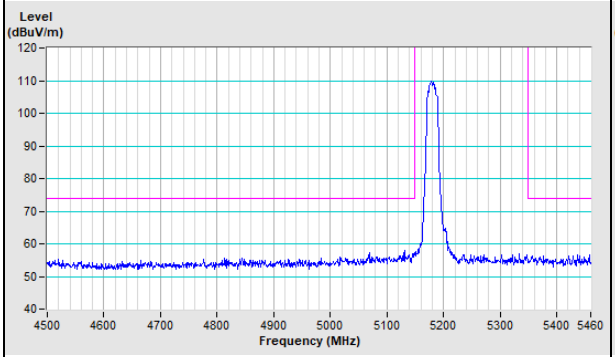


802.11a Channel 100	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	
802.11a Channel 140	
Horizontal (Peak)	**Vertical (Peak)**
	

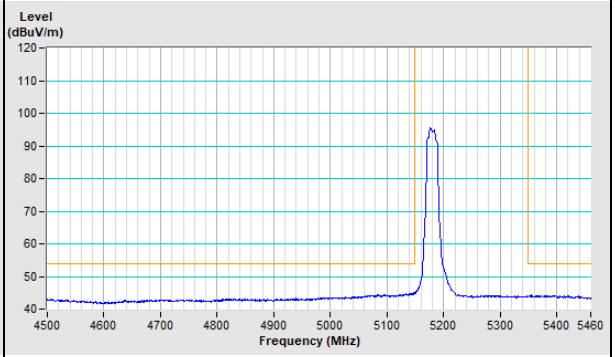
802.11ax (HE20)

802.11ax (HE20) Channel 36

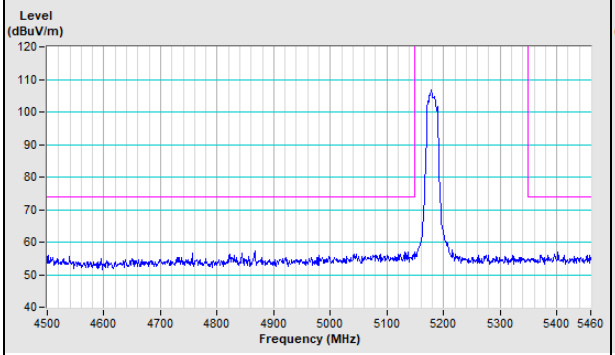
Horizontal (Peak)



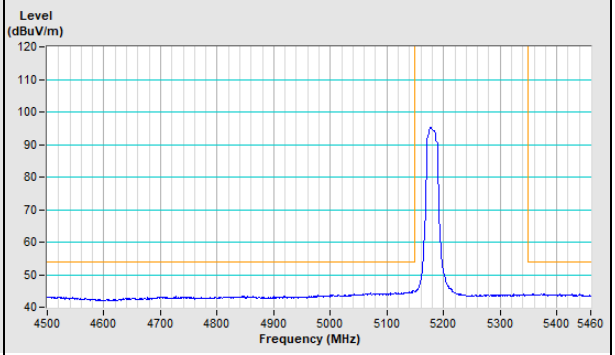
Horizontal (Average)



Vertical (Peak)

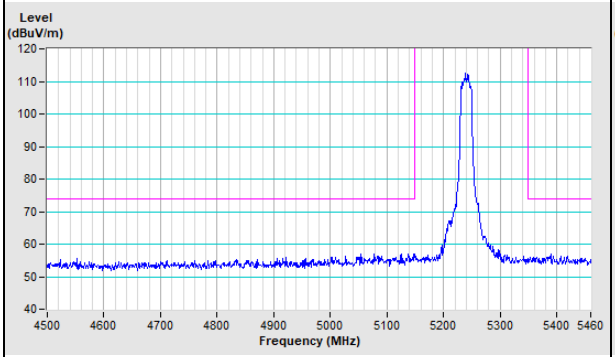


Vertical (Average)

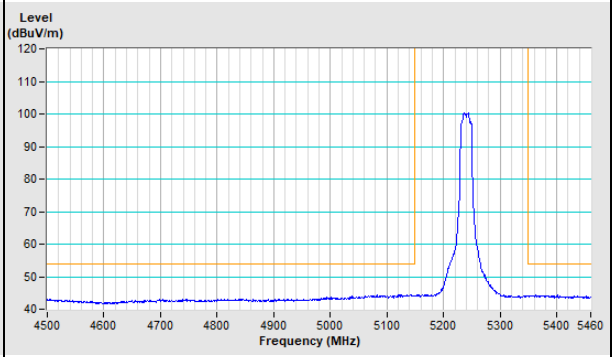


802.11ax (HE20) Channel 48

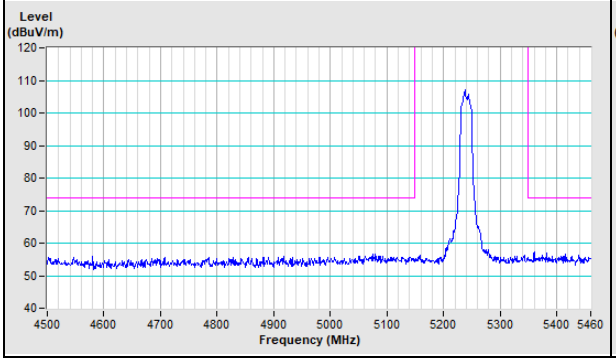
Horizontal (Peak)



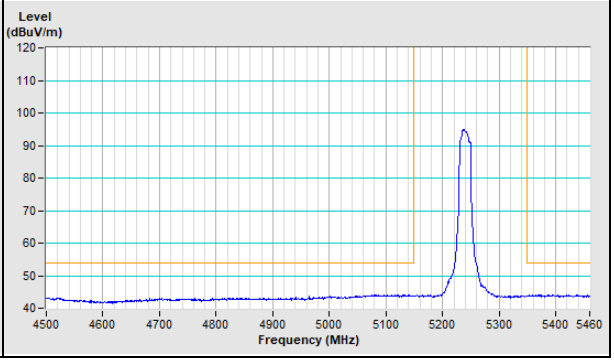
Horizontal (Average)

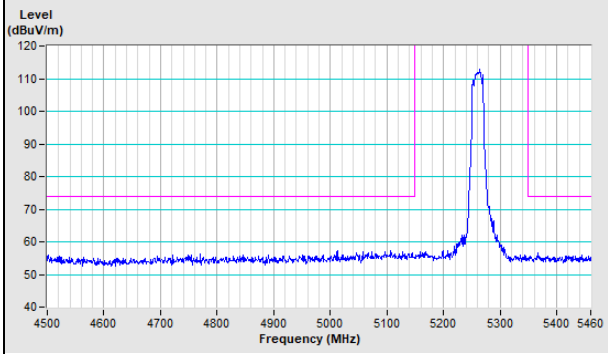
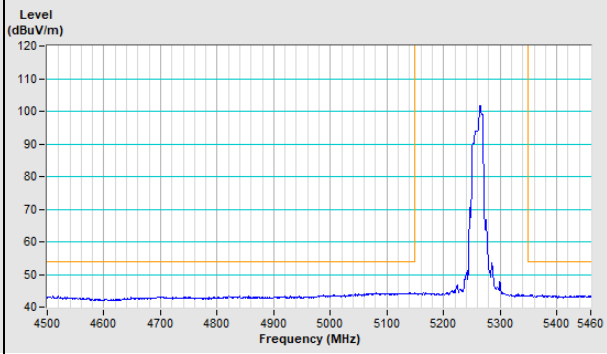
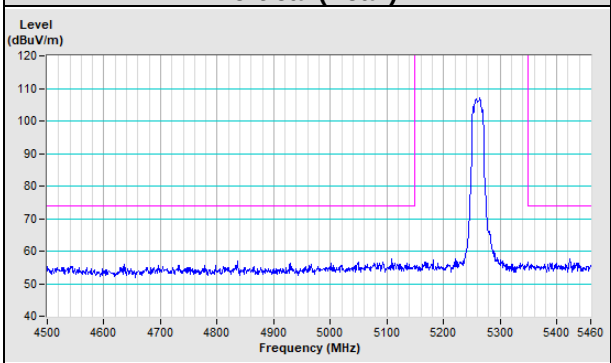
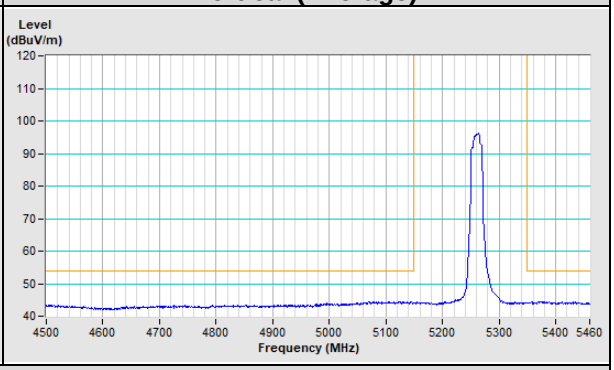
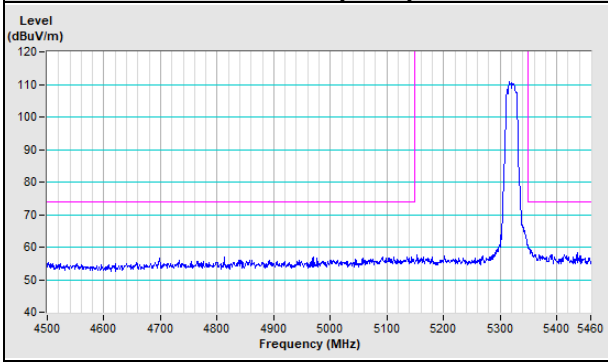
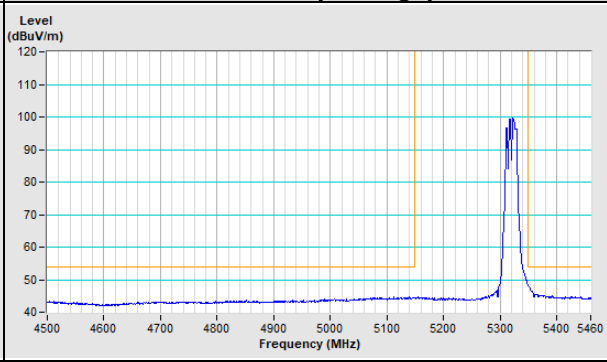
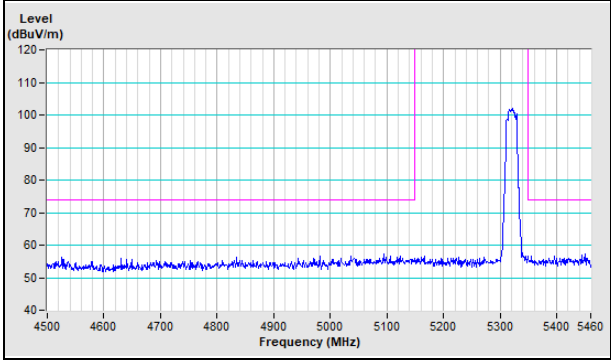
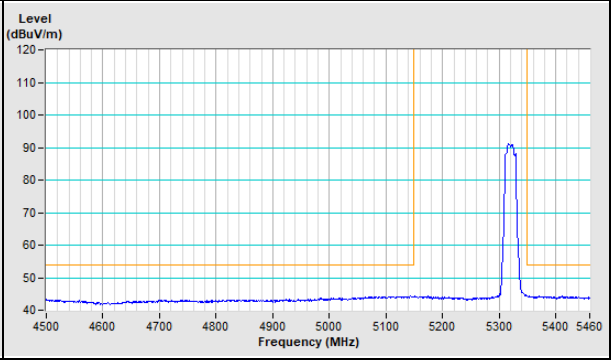


Vertical (Peak)



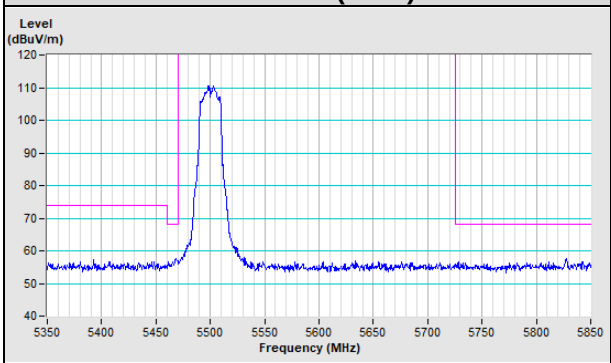
Vertical (Average)



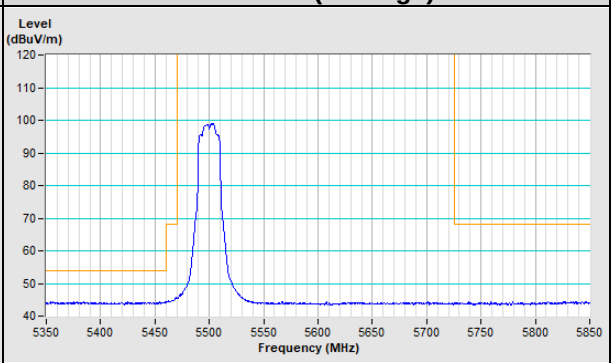
802.11ax (HE20) Channel 52	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE20) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE20) Channel 100

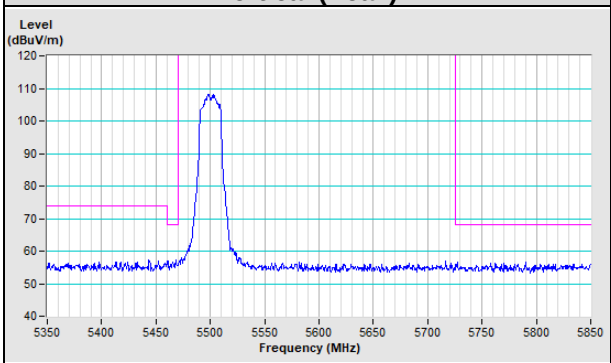
Horizontal (Peak)



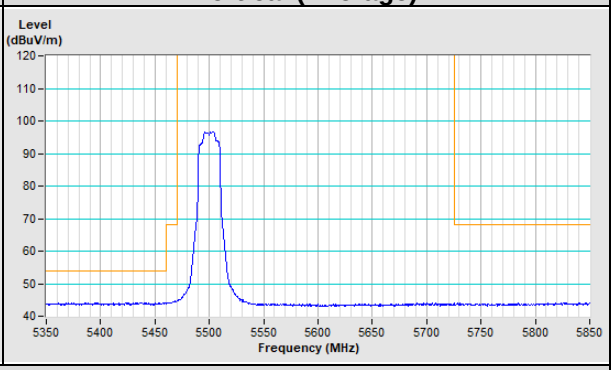
Horizontal (Average)



Vertical (Peak)

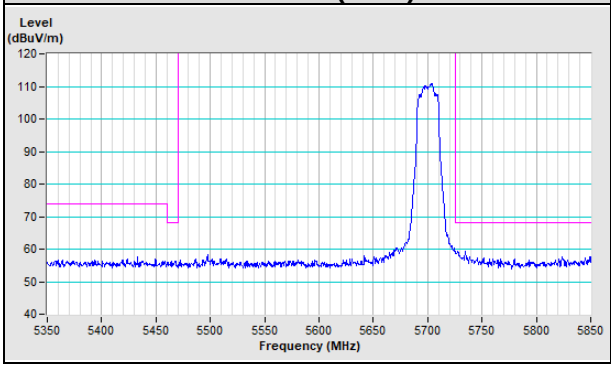


Vertical (Average)

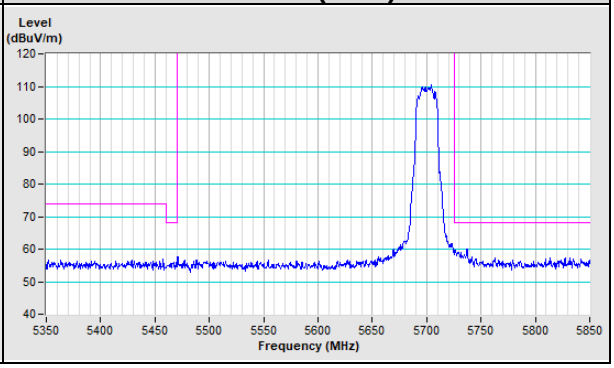


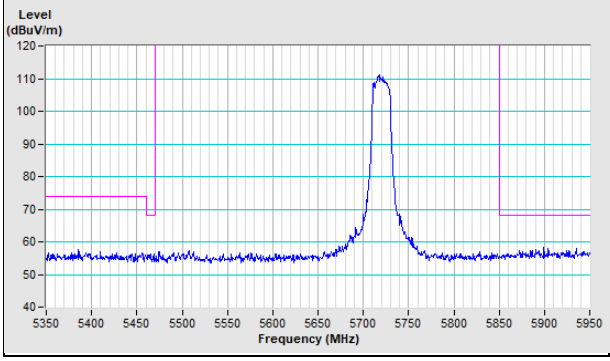
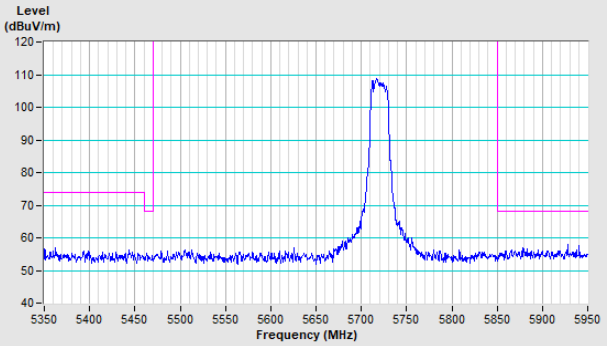
802.11ax (HE20) Channel 140

Horizontal (Peak)



Vertical (Peak)

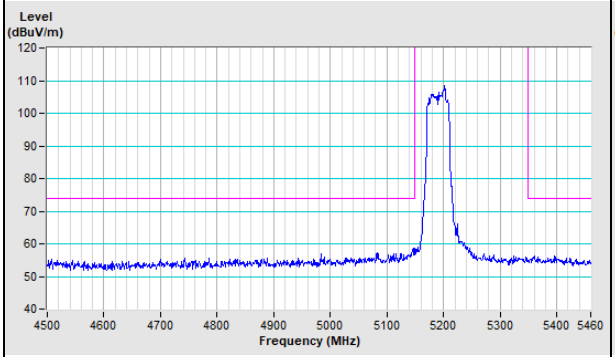


802.11ax (HE20) Channel 144	
Horizontal (Peak)	**Vertical (Peak)**
	

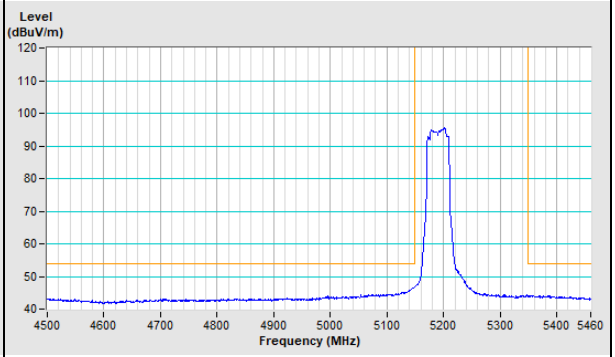
802.11ax (HE40)

802.11ax (HE40) Channel 38

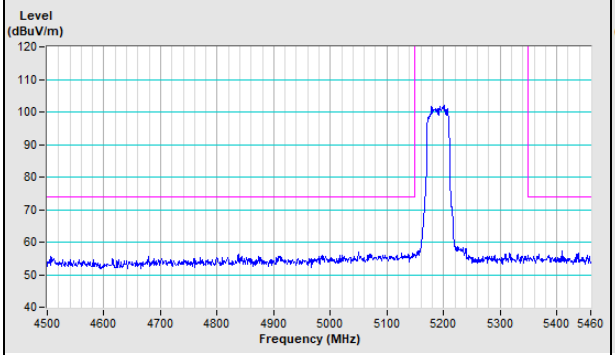
Horizontal (Peak)



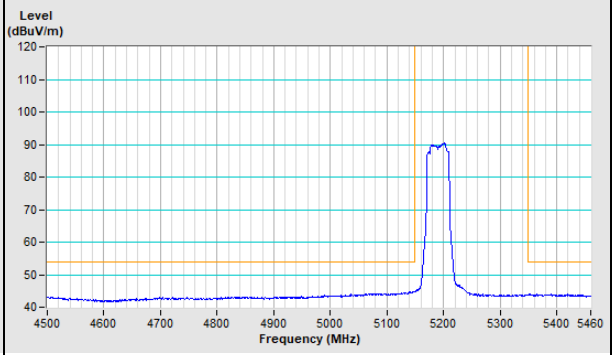
Horizontal (Average)



Vertical (Peak)

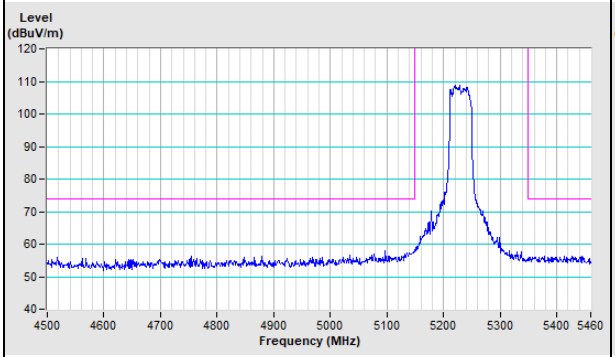


Vertical (Average)

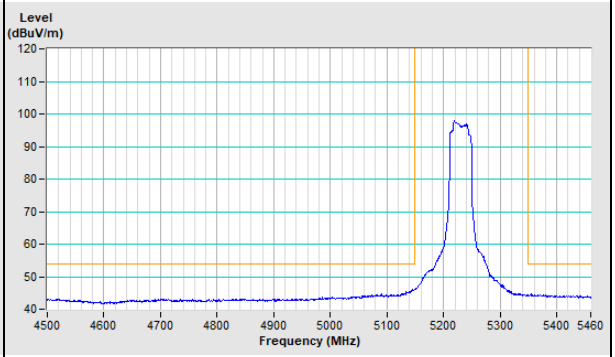


802.11ax (HE40) Channel 46

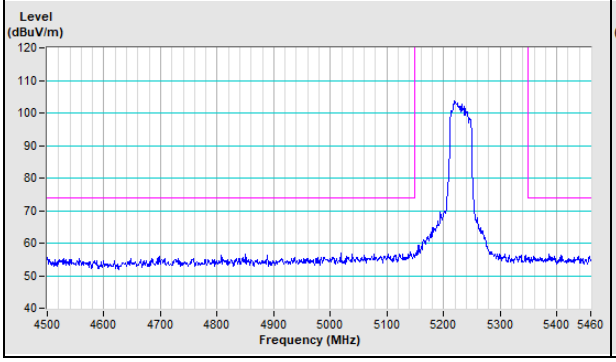
Horizontal (Peak)



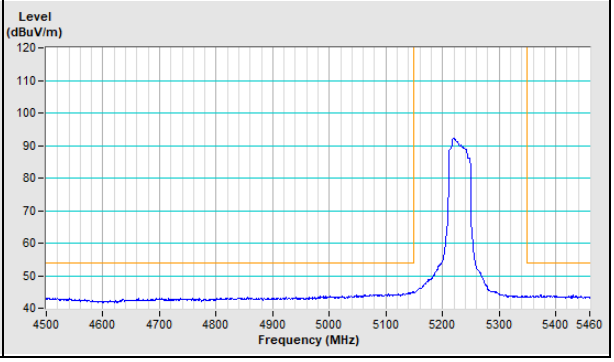
Horizontal (Average)



Vertical (Peak)

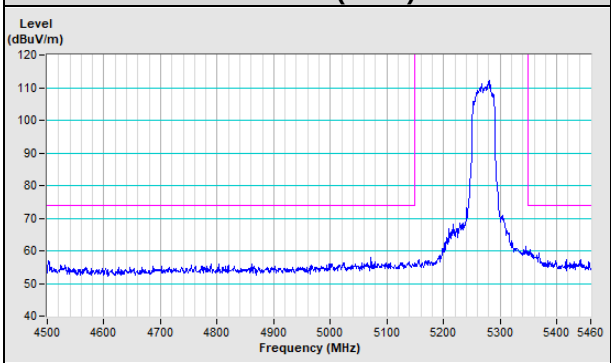


Vertical (Average)

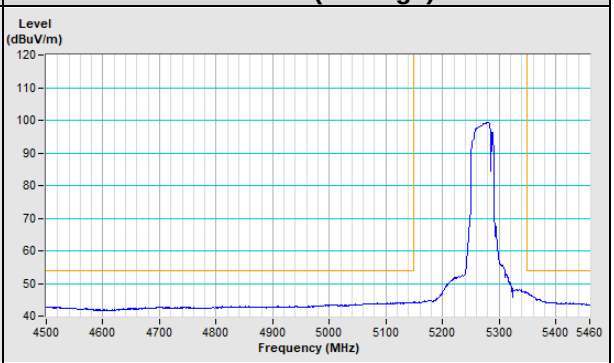


802.11ax (HE40) Channel 54

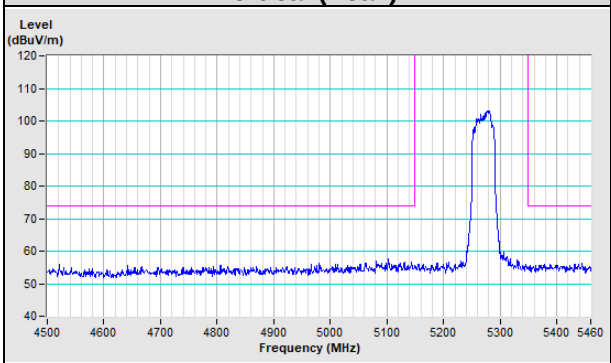
Horizontal (Peak)



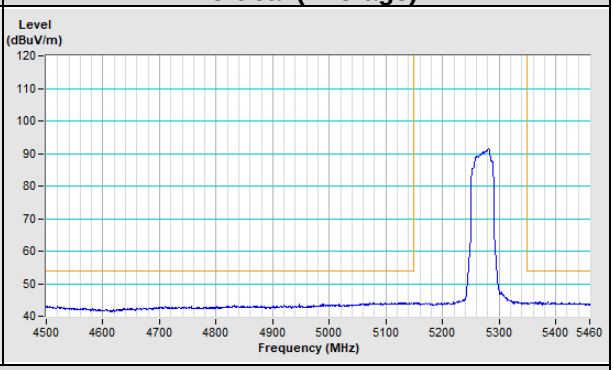
Horizontal (Average)



Vertical (Peak)

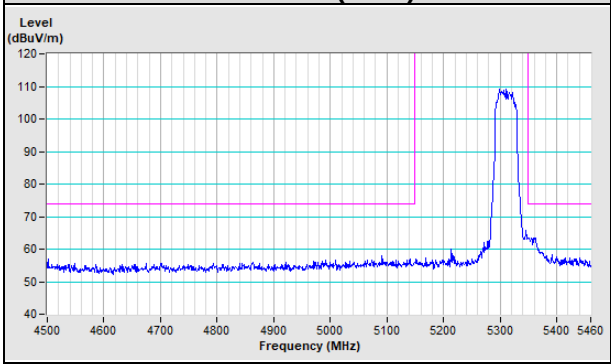


Vertical (Average)

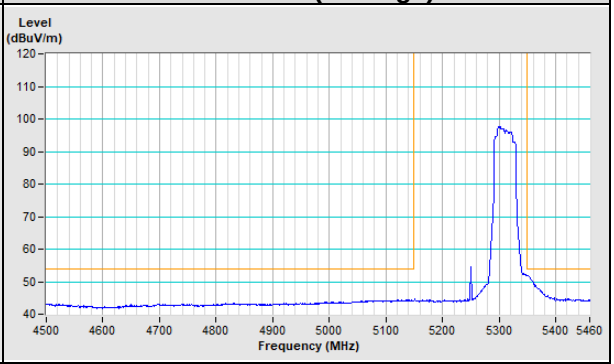


802.11ax (HE40) Channel 62

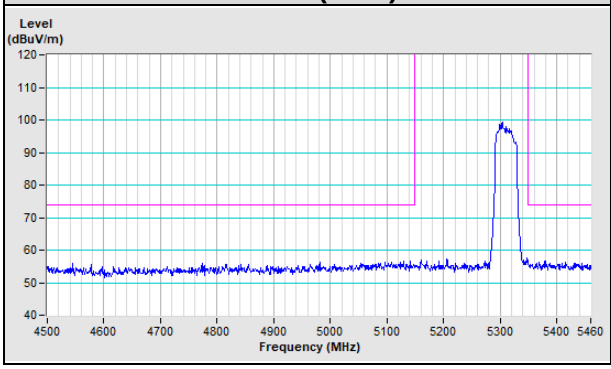
Horizontal (Peak)



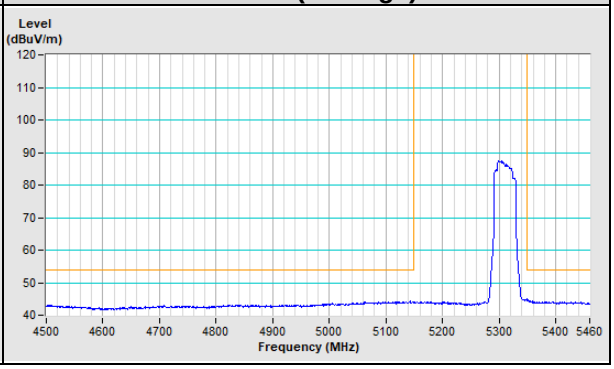
Horizontal (Average)

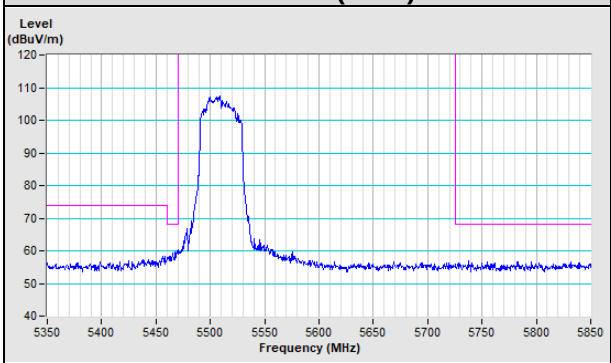
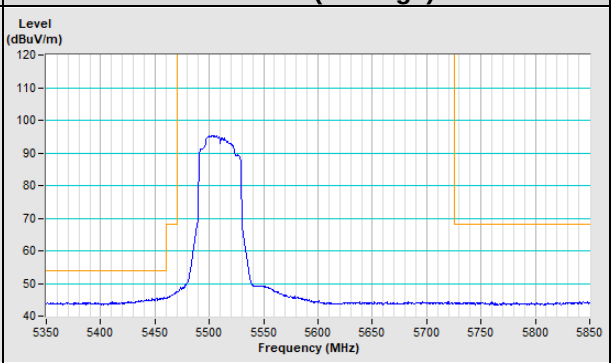
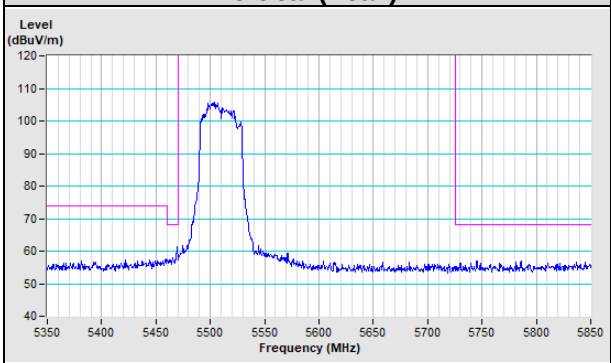
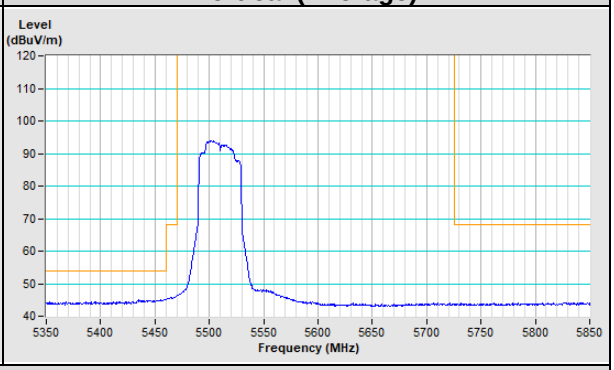
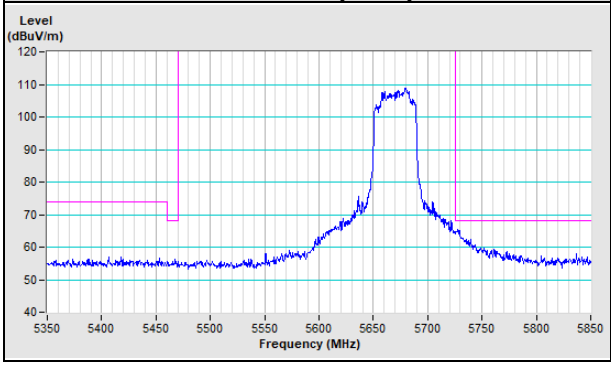
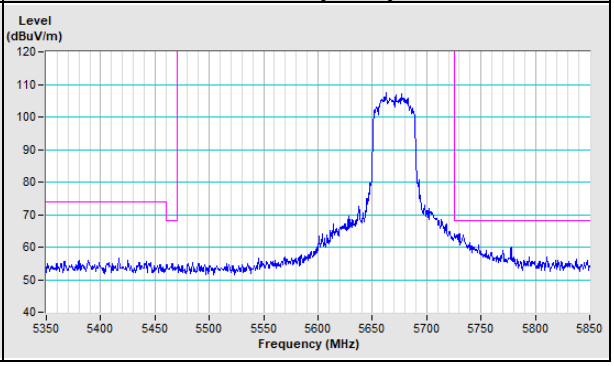


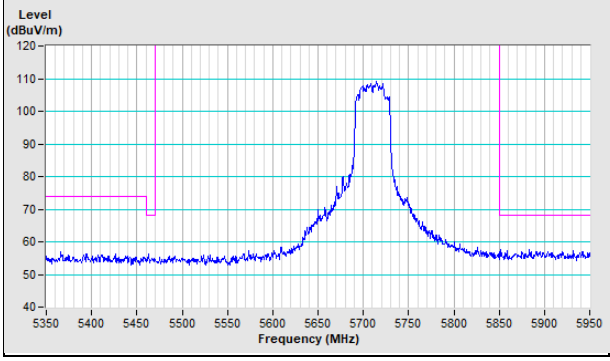
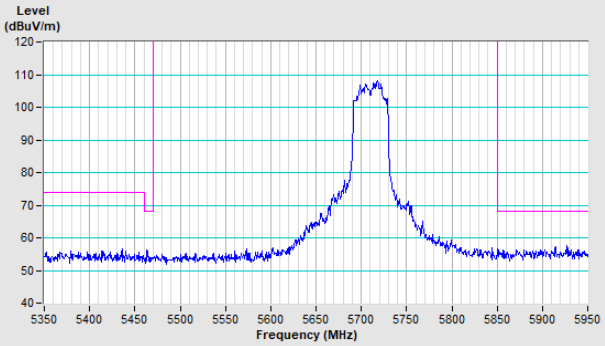
Vertical (Peak)



Vertical (Average)



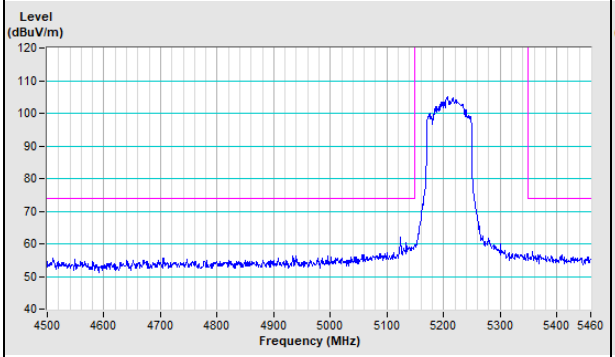
802.11ax (HE40) Channel 102	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	
802.11ax (HE40) Channel 134	
Horizontal (Peak)	**Vertical (Peak)**
	

802.11ax (HE40) Channel 142	
Horizontal (Peak)	**Vertical (Peak)**
	

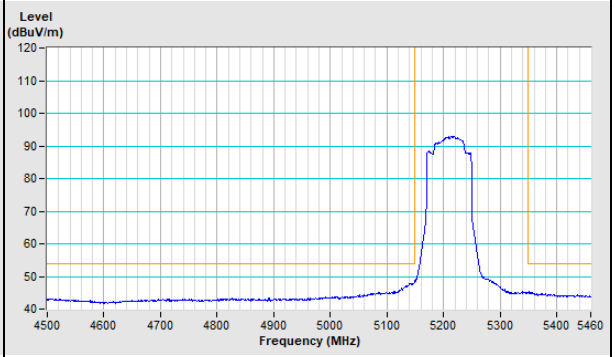
802.11ax (HE80)

802.11ax (HE80) Channel 42

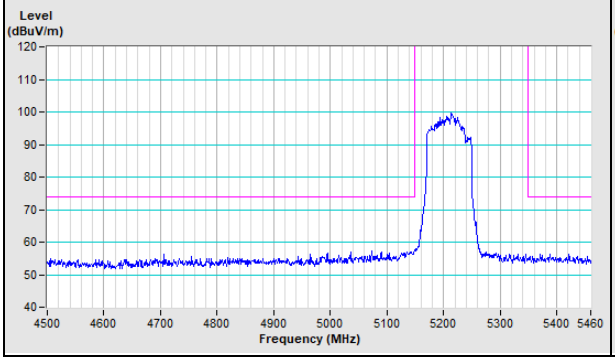
Horizontal (Peak)



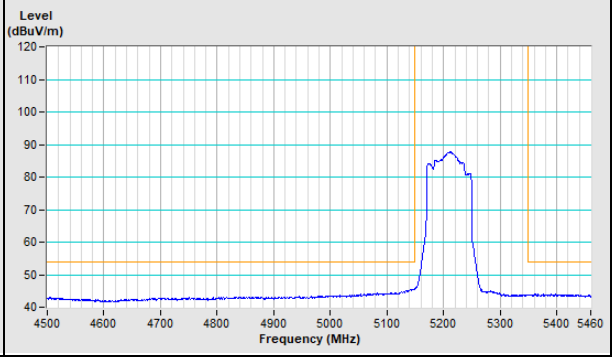
Horizontal (Average)



Vertical (Peak)

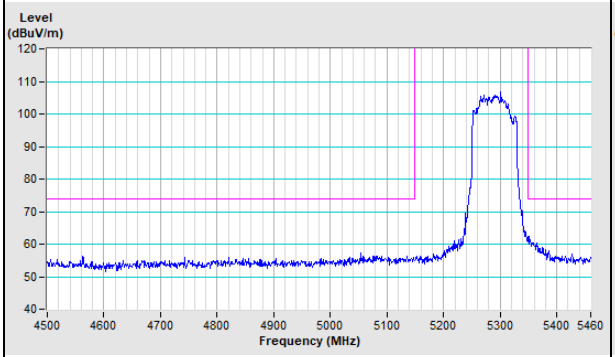


Vertical (Average)

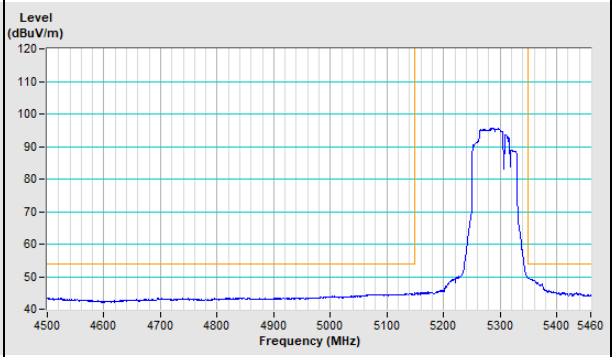


802.11ax (HE80) Channel 58

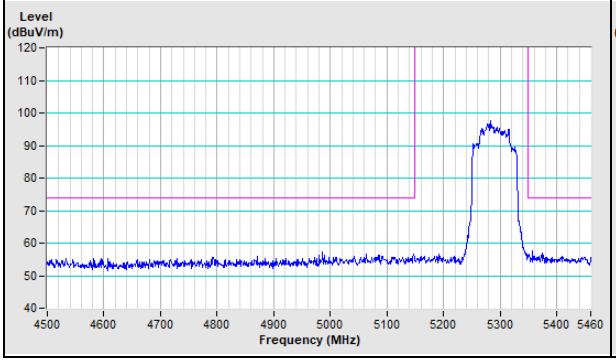
Horizontal (Peak)



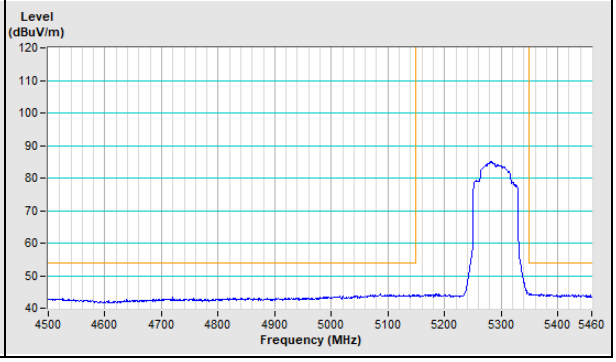
Horizontal (Average)

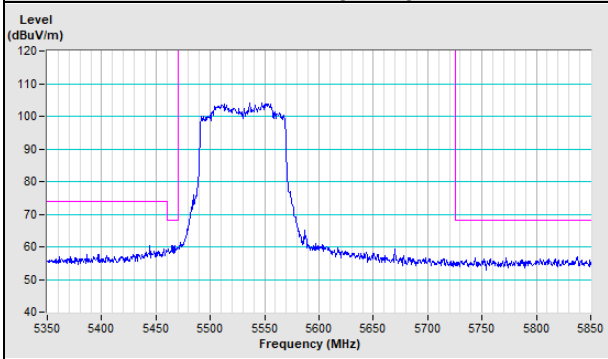
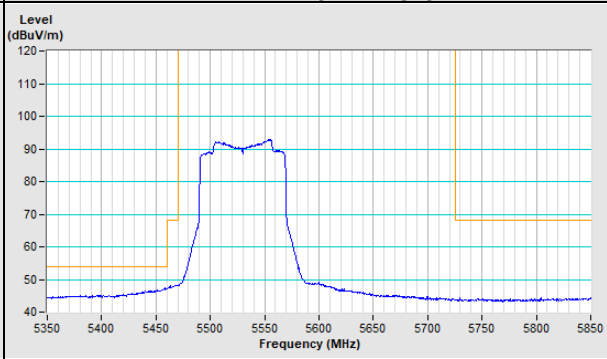
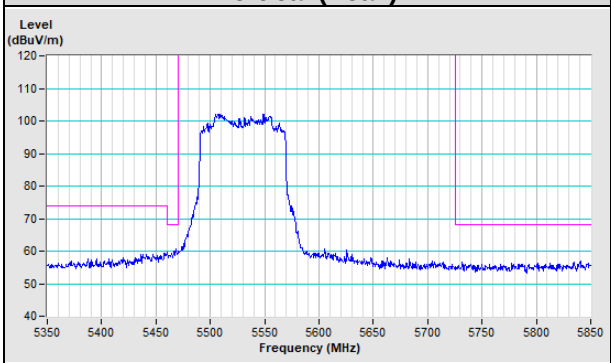
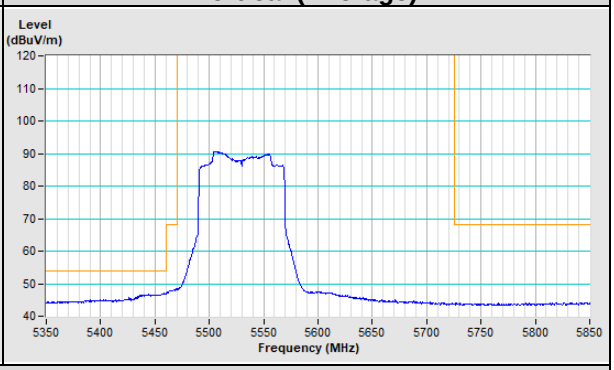
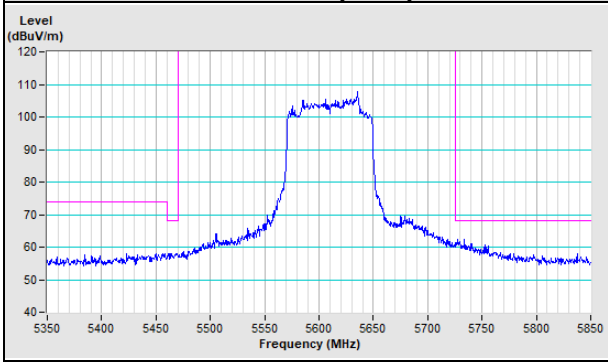
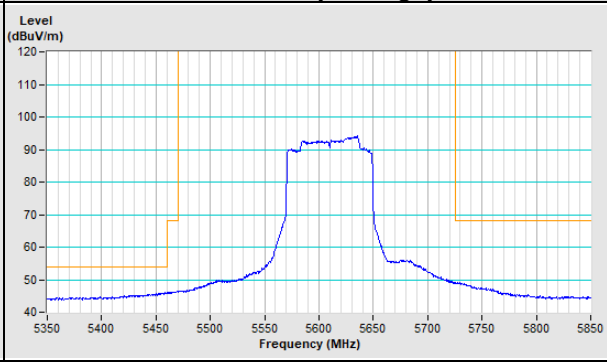
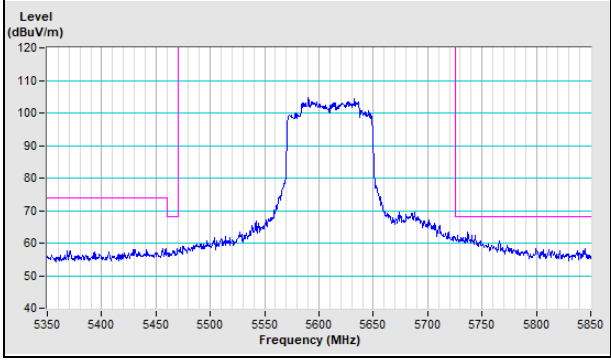
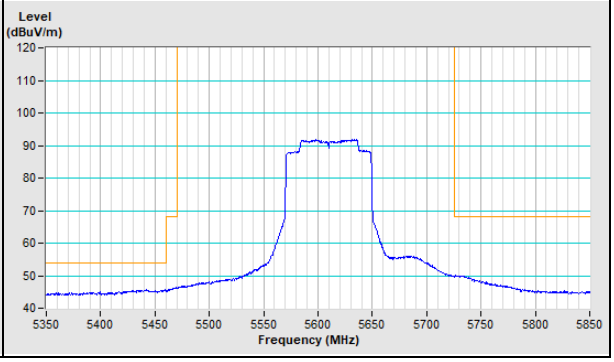


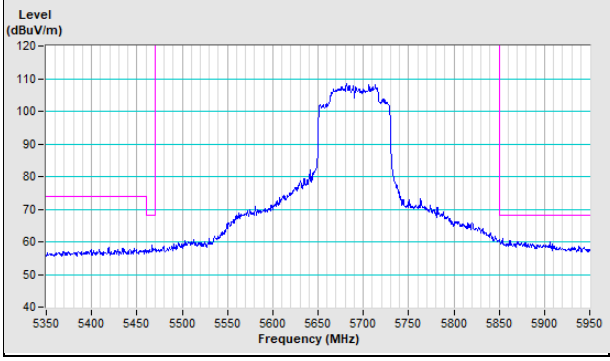
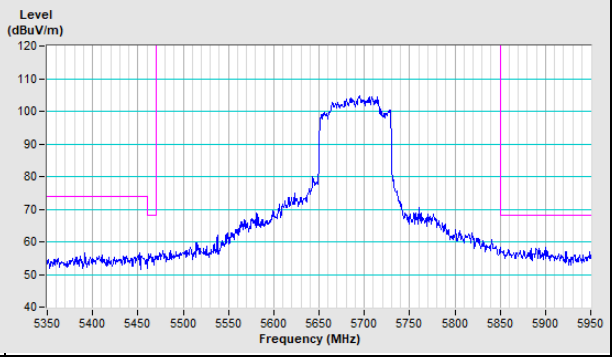
Vertical (Peak)



Vertical (Average)



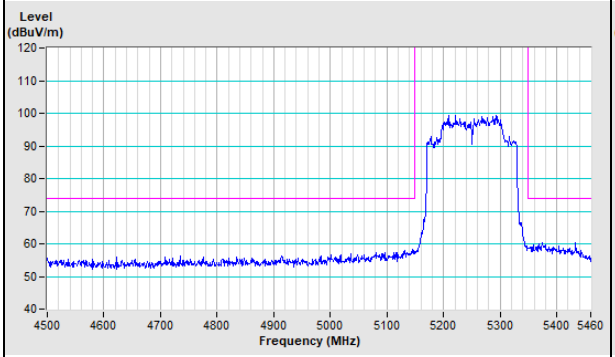
802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE80) Channel 122	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 138	
Horizontal (Peak)	**Vertical (Peak)**
	

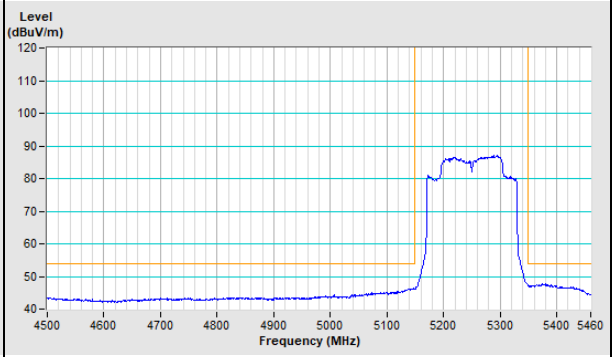
802.11ax (HE160)

802.11ax (HE160) Channel 50

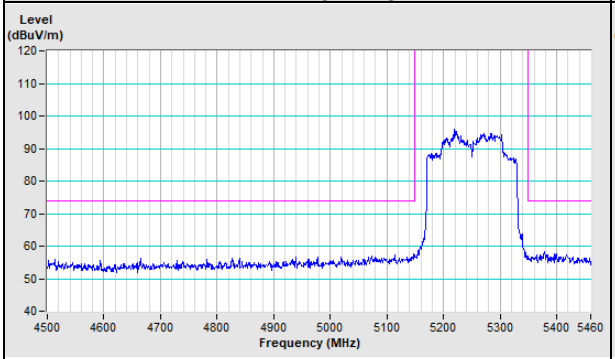
Horizontal (Peak)



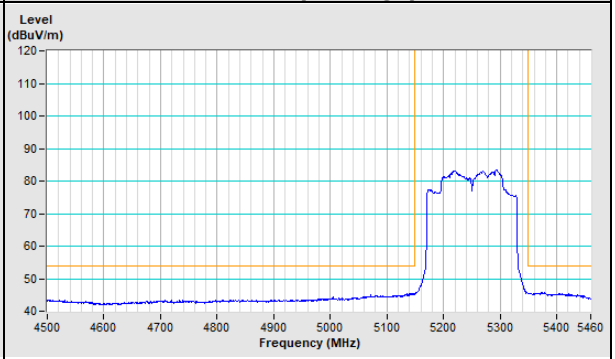
Horizontal (Average)



Vertical (Peak)

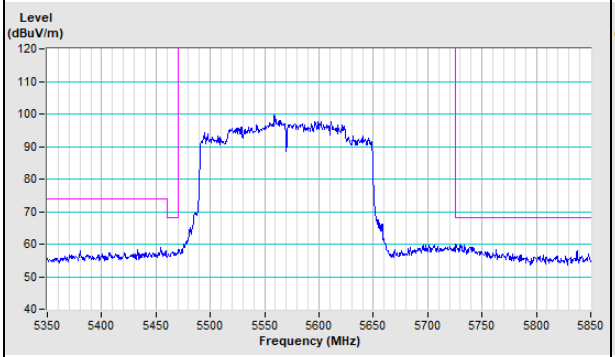


Vertical (Average)

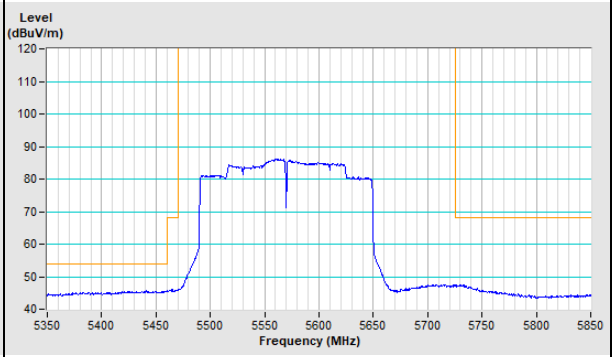


802.11ax (HE160) Channel 50

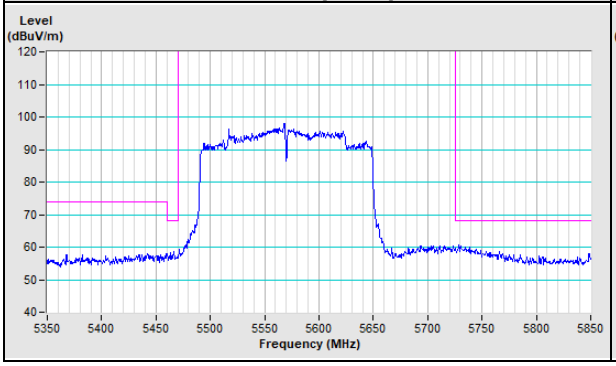
Horizontal (Peak)



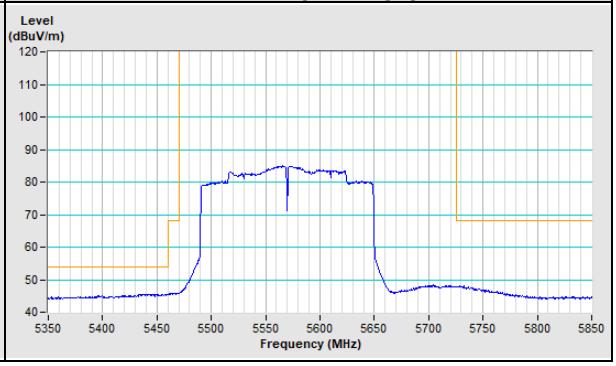
Horizontal (Average)



Vertical (Peak)



Vertical (Average)



Appendix – Information of the Testing Laboratories

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

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Web Site: www.bureauveritas-adt.com

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

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