Partial FCC Test Report

Report No.:	RFBEDW-WTW-P21010557-3
FCC ID:	O57AX200NGW
Test Model:	AX200NGW
Received Date:	Jan. 22, 2021
Test Date:	Jan. 26, 2021 ~ Feb. 01, 2021
Issued Date:	Mar. 02, 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

Testing Laboratory
2021

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Release Control Record

Issue No.	Description	Date Issued
RFBEDW-WTW-P21010557-3	Original Release	Mar. 02, 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. 26, 2021 ~ Feb. 01, 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. 02, 2021

Lena Wang / Specialist

Approved by : , **Date:** Mar. 02, 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 -16.61 dB at 0.15400 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 -3.3 dB at 31.94 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 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 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	184.077 mW for 5180 ~ 5250 MHz 180.302 mW for 5260 ~ 5320 MHz 196.336 mW for 5500 ~ 5720 MHz 203.704 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 100e 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	ADLX45YLC3D	I/P: 100-240Vac, 50-60Hz, 1.3A O/P: 20.0V===2.25A, 45.0W 1.75M / 0core
Adapter 2	Lenovo	ADLX65YLC3D	I/P: 100-240Vac, 50-60Hz, 1.8A O/P: 20.0V===3.25A, 65.0W 1.77M / 0core
Adapter 3	Lenovo	ADLX45YLC3D	I/P: 100-240Vac, 50-60Hz, 1.3A O/P: 20.0V ===2.25A, 45.0W 1.55M / 0core
Battery	Lenovo	L20C3PG0	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	Ant.	Model	Antenna Peak Gain (dBi)					Connector
				BT	2400-2500MHz	5150-5350MHz	5470-5725MHz	5725-5850MHz	
PIFA	MAGLAYERS	Main	DC33002K400 (FPA-3008-25GC7-A1)	-	0.57	3.07	2.03	0.82	-
		Aux.	DC33002K400 (FPA-3008-25GC7-A1)	-1.71	-1.71	1.29	-1.14	0.01	
	South Star	Main	N12-7232-R0A (DC33002IZ00)	-	0.90	-0.87	-0.14	-0.96	MHF-B13-N-01
		Aux.	N12-7232-R0A (DC33002IZ00)	-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 chosen the worst maximum fundamental emission level channel

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	36 to 48	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	36 to 48	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	Greg Lin
RE<1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Greg Lin
PLC	25 deg. C, 65 % RH	120 Vac, 60 Hz	Rex Wang
Power	25 deg. C, 65 % RH	120 Vac, 60 Hz	Gavin Wu

3.3 Description of Support Units

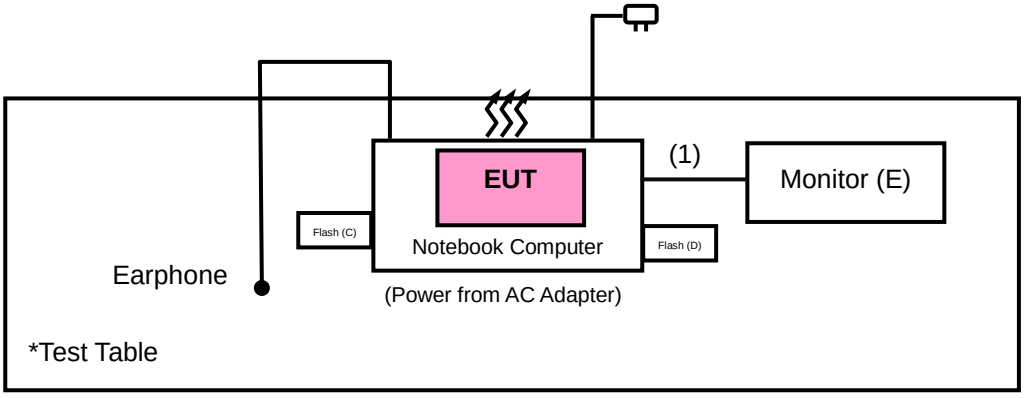
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook Computer	Lenovo	Lenovo 100e Chromebook Gen3 **********	NA	NA	-
B	Adapter	Lenovo	ADLX65YLC3D	NA	NA	-
C	Flash	HP	v250W	09	NA	-
D	Flash	HP	v250W	03	NA	-
E	Monitor	ViewSonic	VX2457-MHD	UG0182942333	NA	-
F	Earphone	Apple	NA	NA	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.

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards and References

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

Test Standard:

FCC Part 15, Subpart E (15.407)
ANSI C63.10-2013

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

References Test Guidance:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

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

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1.705	24000/F (kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note:

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

4.1.2 Limits of Unwanted Emission Out of the Restricted Bands

<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 KEYSIGHT	N9038A	MY55420137	Apr. 16, 2020	Apr. 15, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	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	2944A10638	Jun. 08, 2020	Jun. 07, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02367	Feb. 18, 2020	Feb. 17, 2021
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable Woken	8D-FB	Cable-CH9-01	Jun. 08, 2020	Jun. 07, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	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/MY55190004/MY55190007/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 9.

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:

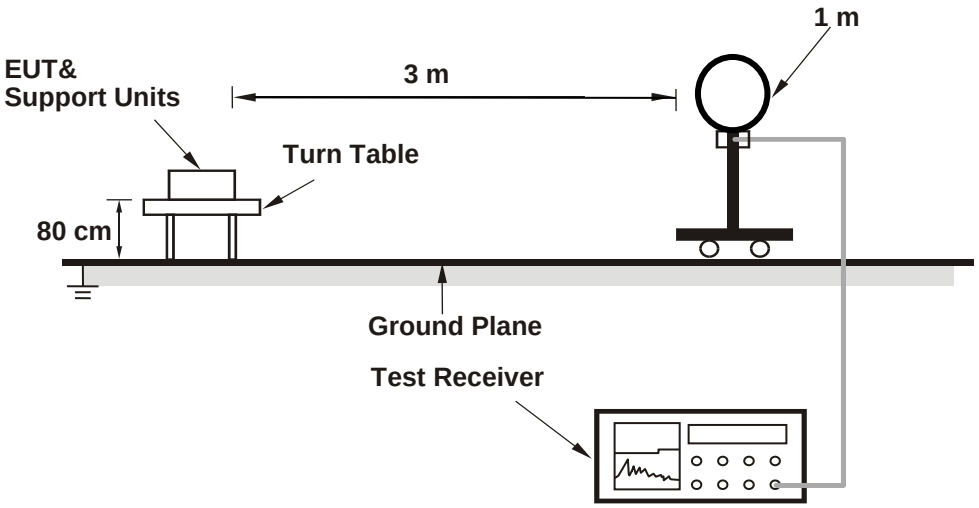
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) 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

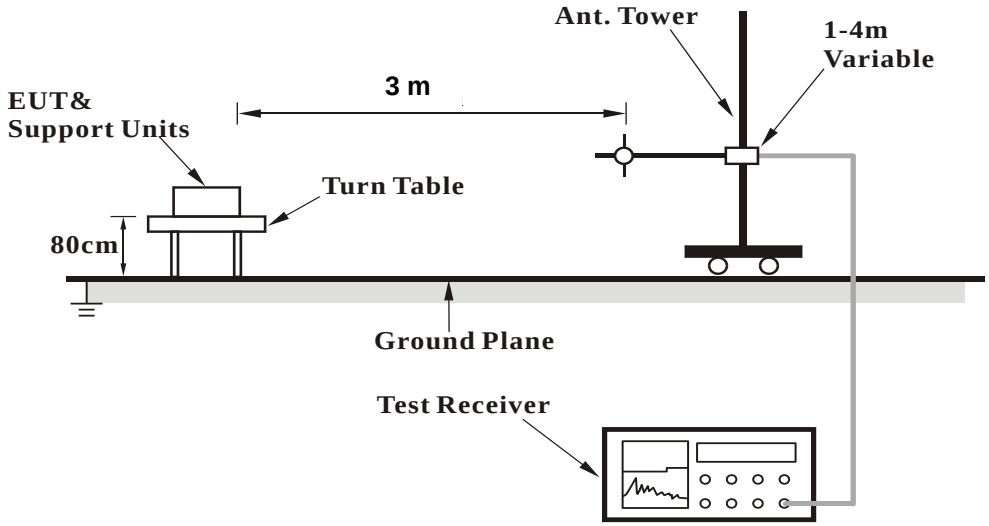
No deviation.

4.1.6 Test Setup

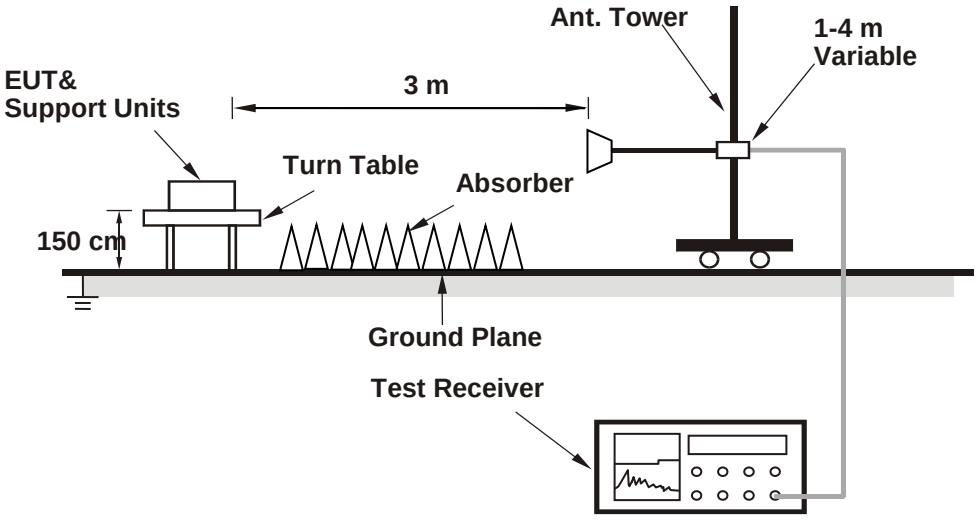
<Radiated Emission below 30 MHz>



<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	54.2 PK	74.0	-19.8	1.06 H	115	52.0	2.2
2	5150.00	40.6 AV	54.0	-13.4	1.06 H	115	38.4	2.2
3	*5180.00	106.9 PK			1.06 H	115	70.5	36.4
4	*5180.00	97.0 AV			1.06 H	115	60.6	36.4
5	#10360.00	55.1 PK	68.2	-13.1	1.73 H	22	39.9	15.2
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	54.7 PK	74.0	-19.3	2.99 V	274	52.5	2.2
2	5150.00	40.5 AV	54.0	-13.5	2.99 V	274	38.3	2.2
3	*5180.00	105.6 PK			2.99 V	274	69.2	36.4
4	*5180.00	96.2 AV			2.99 V	274	59.8	36.4
5	#10360.00	55.4 PK	68.2	-12.8	3.23 V	258	40.2	15.2

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 802.11a	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	107.9 PK			1.09 H	115	71.5	36.4
2	*5200.00	98.2 AV			1.09 H	115	61.8	36.4
3	#10400.00	55.4 PK	68.2	-12.8	1.70 H	21	40.2	15.2
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	*5200.00	106.6 PK			3.01 V	275	70.2	36.4
2	*5200.00	96.9 AV			3.01 V	275	60.5	36.4
3	#10400.00	55.1 PK	68.2	-13.1	3.22 V	260	39.9	15.2

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 802.11a	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	108.9 PK			1.02 H	113	72.6	36.3
2	*5240.00	97.8 AV			1.02 H	113	61.5	36.3
3	5350.00	52.5 PK	74.0	-21.5	1.02 H	113	50.5	2.0
4	5350.00	38.2 AV	54.0	-15.8	1.02 H	113	36.2	2.0
5	#10480.00	55.4 PK	68.2	-12.8	1.74 H	25	40.3	15.1
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	*5240.00	107.6 PK			3.06 V	282	71.3	36.3
2	*5240.00	97.2 AV			3.06 V	282	60.9	36.3
3	5350.00	52.1 PK	74.0	-21.9	3.06 V	282	50.1	2.0
4	5350.00	38.2 AV	54.0	-15.8	3.06 V	282	36.2	2.0
5	#10480.00	54.9 PK	68.2	-13.3	3.20 V	257	39.8	15.1

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 802.11a	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	51.7 PK	74.0	-22.3	1.05 H	136	49.5	2.2
2	5150.00	38.4 AV	54.0	-15.6	1.05 H	136	36.2	2.2
3	*5260.00	108.1 PK			1.05 H	136	71.9	36.2
4	*5260.00	97.2 AV			1.05 H	136	61.0	36.2
5	#10520.00	55.4 PK	68.2	-12.8	1.68 H	29	40.2	15.2
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	51.9 PK	74.0	-22.1	3.31 V	267	49.7	2.2
2	5150.00	38.5 AV	54.0	-15.5	3.31 V	267	36.3	2.2
3	*5260.00	107.2 PK			3.31 V	267	71.0	36.2
4	*5260.00	96.5 AV			3.31 V	267	60.3	36.2
5	#10520.00	56.2 PK	68.2	-12.0	3.22 V	265	41.0	15.2

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 802.11a	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	107.5 PK			1.76 H	136	71.5	36.0
2	*5300.00	97.4 AV			1.76 H	136	61.4	36.0
3	10600.00	56.2 PK	74.0	-17.8	1.72 H	28	40.5	15.7
4	10600.00	43.0 AV	54.0	-11.0	1.72 H	28	27.3	15.7
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	*5300.00	106.4 PK			3.22 V	266	70.4	36.0
2	*5300.00	96.2 AV			3.22 V	266	60.2	36.0
3	10600.00	56.0 PK	74.0	-18.0	3.28 V	262	40.3	15.7
4	10600.00	43.5 AV	54.0	-10.5	3.28 V	262	27.8	15.7

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.

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	105.0 PK			1.86 H	134	68.8	36.2
2	*5320.00	95.0 AV			1.86 H	134	58.8	36.2
3	5350.00	52.6 PK	74.0	-21.4	1.86 H	134	50.6	2.0
4	5350.00	39.7 AV	54.0	-14.3	1.86 H	134	37.7	2.0
5	10640.00	56.4 PK	74.0	-17.6	1.76 H	23	40.6	15.8
6	10640.00	44.0 AV	54.0	-10.0	1.76 H	23	28.2	15.8
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	*5320.00	103.8 PK			3.14 V	285	67.6	36.2
2	*5320.00	94.2 AV			3.14 V	285	58.0	36.2
3	5350.00	52.3 PK	74.0	-21.7	3.14 V	285	50.3	2.0
4	5350.00	39.4 AV	54.0	-14.6	3.14 V	285	37.4	2.0
5	10640.00	56.2 PK	74.0	-17.8	3.31 V	269	40.4	15.8
6	10640.00	44.0 AV	54.0	-10.0	3.31 V	269	28.2	15.8

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.

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	53.6 PK	74.0	-20.4	1.33 H	151	50.8	2.8
2	5460.00	40.4 AV	54.0	-13.6	1.33 H	151	37.6	2.8
3	#5470.00	57.1 PK	68.2	-11.1	1.33 H	151	54.3	2.8
4	*5500.00	107.7 PK			1.33 H	151	70.7	37.0
5	*5500.00	97.1 AV			1.33 H	151	60.1	37.0
6	11000.00	56.8 PK	74.0	-17.2	1.86 H	34	39.8	17.0
7	11000.00	43.7 AV	54.0	-10.3	1.86 H	34	26.7	17.0
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	5460.00	55.1 PK	74.0	-18.9	2.34 V	95	52.3	2.8
2	5460.00	41.0 AV	54.0	-13.0	2.34 V	95	38.2	2.8
3	#5470.00	59.6 PK	68.2	-8.6	2.34 V	95	56.8	2.8
4	*5500.00	108.5 PK			2.34 V	95	71.5	37.0
5	*5500.00	97.9 AV			2.34 V	95	60.9	37.0
6	11000.00	57.6 PK	74.0	-16.4	3.14 V	256	40.6	17.0
7	11000.00	44.2 AV	54.0	-9.8	3.14 V	256	27.2	17.0

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 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	107.7 PK			1.38 H	147	70.7	37.0
2	*5580.00	97.2 AV			1.38 H	147	60.2	37.0
3	11160.00	55.8 PK	74.0	-18.2	1.96 H	37	39.8	16.0
4	11160.00	42.7 AV	54.0	-11.3	1.96 H	37	26.7	16.0
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	*5580.00	108.8 PK			2.39 V	97	71.8	37.0
2	*5580.00	98.2 AV			2.39 V	97	61.2	37.0
3	11160.00	56.8 PK	74.0	-17.2	3.13 V	257	40.8	16.0
4	11160.00	43.5 AV	54.0	-10.5	3.13 V	257	27.5	16.0

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.

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	106.2 PK			1.39 H	156	69.0	37.2
2	*5700.00	96.0 AV			1.39 H	156	58.8	37.2
3	#5725.00	63.2 PK	68.2	-5.0	1.39 H	256	60.2	3.0
4	11400.00	56.0 PK	74.0	-18.0	1.93 H	38	39.7	16.3
5	11400.00	42.8 AV	54.0	-11.2	1.93 H	38	26.5	16.3
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	*5700.00	107.1 PK			2.19 V	91	69.9	37.2
2	*5700.00	96.8 AV			2.19 V	91	59.6	37.2
3	#5725.00	63.9 PK	68.2	-4.3	2.19 V	91	60.9	3.0
4	11400.00	56.5 PK	74.0	-17.5	3.14 V	257	40.2	16.3
5	11400.00	43.3 AV	54.0	-10.7	3.14 V	257	27.0	16.3

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 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	#5607.20	51.6 PK	68.2	-16.6	2.10 H	168	48.9	2.7
2	*5745.00	107.8 PK			2.10 H	168	70.5	37.3
3	*5745.00	97.8 AV			2.10 H	168	60.5	37.3
4	#5946.80	52.5 PK	68.2	-15.7	2.10 H	168	49.0	3.5
5	11490.00	56.0 PK	74.0	-18.0	1.93 H	40	40.2	15.8
6	11490.00	42.9 AV	54.0	-11.1	1.93 H	40	27.1	15.8
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	#5623.20	52.3 PK	68.2	-15.9	2.32 V	260	49.6	2.7
2	*5745.00	107.1 PK			2.32 V	260	69.8	37.3
3	*5745.00	95.0 AV			2.32 V	260	57.7	37.3
4	#5941.20	53.6 PK	68.2	-14.6	2.32 V	260	50.1	3.5
5	11490.00	55.2 PK	74.0	-18.8	3.11 V	262	39.4	15.8
6	11490.00	42.6 AV	54.0	-11.4	3.11 V	262	26.8	15.8

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 802.11a	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	#5642.00	52.2 PK	68.2	-16.0	2.15 H	168	49.4	2.8
2	*5785.00	108.8 PK			2.15 H	169	71.3	37.5
3	*5785.00	98.2 AV			2.15 H	169	60.7	37.5
4	#5962.40	53.1 PK	68.2	-15.1	2.15 H	168	49.6	3.5
5	11570.00	55.2 PK	74.0	-18.8	1.94 H	42	39.8	15.4
6	11570.00	42.0 AV	54.0	-12.0	1.94 H	42	26.6	15.4
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	#5624.40	52.4 PK	68.2	-15.8	2.65 V	268	49.7	2.7
2	*5785.00	108.5 PK			2.65 V	268	71.0	37.5
3	*5785.00	96.2 AV			2.65 V	268	58.7	37.5
4	#5957.20	52.7 PK	68.2	-15.5	2.65 V	268	49.2	3.5
5	11570.00	55.1 PK	74.0	-18.9	3.16 V	261	39.7	15.4
6	11570.00	42.2 AV	54.0	-11.8	3.16 V	261	26.8	15.4

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 802.11a	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	#5611.20	51.9 PK	68.2	-16.3	1.94 H	169	49.2	2.7
2	*5825.00	107.3 PK			1.94 H	169	69.7	37.6
3	*5825.00	97.2 AV			1.94 H	169	59.6	37.6
4	#5967.60	52.1 PK	68.2	-16.1	1.94 H	169	48.7	3.4
5	11650.00	55.6 PK	74.0	-18.4	1.92 H	31	40.1	15.5
6	11650.00	42.5 AV	54.0	-11.5	1.92 H	31	27.0	15.5
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	#5624.40	53.3 PK	68.2	-14.9	2.65 V	278	50.6	2.7
2	*5825.00	108.6 PK			2.65 V	278	71.0	37.6
3	*5825.00	95.8 AV			2.65 V	278	58.2	37.6
4	#5942.40	52.9 PK	68.2	-15.3	2.65 V	278	49.4	3.5
5	11650.00	55.2 PK	74.0	-18.8	3.20 V	269	39.7	15.5
6	11650.00	42.4 AV	54.0	-11.6	3.20 V	269	26.9	15.5

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 (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	52.2 PK	74.0	-21.8	1.22 H	112	50.0	2.2
2	5150.00	39.7 AV	54.0	-14.3	1.22 H	112	37.5	2.2
3	*5180.00	111.0 PK			1.22 H	112	74.6	36.4
4	*5180.00	97.6 AV			1.22 H	112	61.2	36.4
5	#10360.00	55.2 PK	68.2	-13.0	1.72 H	24	40.0	15.2
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	53.1 PK	74.0	-20.9	2.96 V	274	50.9	2.2
2	5150.00	40.1 AV	54.0	-13.9	2.96 V	274	37.9	2.2
3	*5180.00	109.9 PK			2.96 V	274	73.5	36.4
4	*5180.00	96.4 AV			2.96 V	274	60.0	36.4
5	#10360.00	55.4 PK	68.2	-12.8	3.30 V	257	40.2	15.2

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 (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	112.1 PK			1.20 H	110	75.7	36.4
2	*5200.00	98.9 AV			1.20 H	110	62.5	36.4
3	#10400.00	55.6 PK	68.2	-12.6	1.72 H	28	40.4	15.2
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	*5200.00	110.8 PK			2.88 V	279	74.4	36.4
2	*5200.00	97.7 AV			2.88 V	279	61.3	36.4
3	#10400.00	55.7 PK	68.2	-12.5	3.28 V	261	40.5	15.2

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 (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	113.0 PK			1.15 H	137	76.7	36.3
2	*5240.00	99.2 AV			1.15 H	137	62.9	36.3
3	5350.00	52.8 PK	74.0	-21.2	1.15 H	137	50.8	2.0
4	5350.00	38.6 AV	54.0	-15.4	2.71 H	277	36.6	2.0
5	#10480.00	55.5 PK	68.2	-12.7	1.72 H	24	40.4	15.1
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	*5240.00	111.9 PK			2.71 V	277	75.6	36.3
2	*5240.00	99.0 AV			2.71 V	277	62.7	36.3
3	5350.00	51.9 PK	74.0	-22.1	2.71 V	277	49.9	2.0
4	5350.00	38.6 AV	54.0	-15.4	2.71 V	277	36.6	2.0
5	#10480.00	55.7 PK	68.2	-12.5	3.30 V	258	40.6	15.1

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 (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	53.0 PK	74.0	-21.0	1.30 H	107	50.8	2.2
2	5150.00	39.0 AV	54.0	-15.0	1.30 H	107	36.8	2.2
3	*5260.00	109.3 PK			1.30 H	107	73.1	36.2
4	*5260.00	96.9 AV			1.30 H	107	60.7	36.2
5	#10520.00	55.7 PK	68.2	-12.5	1.66 H	30	40.5	15.2
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	52.6 PK	74.0	-21.4	3.37 V	265	50.4	2.2
2	5150.00	39.0 AV	54.0	-15.0	3.37 V	265	36.8	2.2
3	*5260.00	106.7 PK			3.37 V	265	70.5	36.2
4	*5260.00	94.5 AV			3.37 V	265	58.3	36.2
5	#10520.00	55.4 PK	68.2	-12.8	3.26 V	264	40.2	15.2

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 (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	109.7 PK			1.17 H	112	73.7	36.0
2	*5300.00	97.8 AV			1.17 H	112	61.8	36.0
3	10600.00	56.9 PK	74.0	-17.1	1.68 H	33	41.2	15.7
4	10600.00	44.1 AV	54.0	-9.9	1.68 H	33	28.4	15.7
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	*5300.00	107.6 PK			3.38 V	266	71.6	36.0
2	*5300.00	96.1 AV			3.38 V	266	60.1	36.0
3	10600.00	56.5 PK	74.0	-17.5	3.21 V	258	40.8	15.7
4	10600.00	44.1 AV	54.0	-9.9	3.21 V	258	28.4	15.7

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.

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	111.0 PK			1.26 H	110	74.8	36.2
2	*5320.00	98.3 AV			1.26 H	110	62.1	36.2
3	5350.00	53.0 PK	74.0	-21.0	1.26 H	110	51.0	2.0
4	5350.00	40.2 AV	54.0	-13.8	1.26 H	110	38.2	2.0
5	10640.00	56.8 PK	74.0	-17.2	1.69 H	29	41.0	15.8
6	10640.00	43.6 AV	54.0	-10.4	1.69 H	29	27.8	15.8
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	*5320.00	109.6 PK			2.50 V	268	73.4	36.2
2	*5320.00	97.7 AV			2.50 V	268	61.5	36.2
3	5350.00	53.2 PK	74.0	-20.8	2.50 V	268	51.2	2.0
4	5350.00	40.3 AV	54.0	-13.7	2.50 V	268	38.3	2.0
5	10640.00	56.5 PK	74.0	-17.5	3.28 V	265	40.7	15.8
6	10640.00	43.4 AV	54.0	-10.6	3.28 V	265	27.6	15.8

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.

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	54.1 PK	74.0	-19.9	1.52 H	287	51.3	2.8
2	5460.00	40.4 AV	54.0	-13.6	1.52 H	287	37.6	2.8
3	#5470.00	57.5 PK	68.2	-10.7	1.52 H	287	54.7	2.8
4	*5500.00	108.5 PK			1.52 H	287	71.5	37.0
5	*5500.00	96.6 AV			1.52 H	287	59.6	37.0
6	11000.00	57.2 PK	74.0	-16.8	1.90 H	30	40.2	17.0
7	11000.00	44.4 AV	54.0	-9.6	1.90 H	30	27.4	17.0
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	5460.00	54.1 PK	74.0	-19.9	2.20 V	94	51.3	2.8
2	5460.00	40.7 AV	54.0	-13.3	2.20 V	94	37.9	2.8
3	#5470.00	56.9 PK	68.2	-11.3	2.20 V	94	54.1	2.8
4	*5500.00	107.9 PK			2.20 V	94	70.9	37.0
5	*5500.00	96.2 AV			2.20 V	94	59.2	37.0
6	11000.00	57.5 PK	74.0	-16.5	3.15 V	262	40.5	17.0
7	11000.00	44.3 AV	54.0	-9.7	3.15 V	262	27.3	17.0

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 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	109.6 PK			1.54 H	254	72.6	37.0
2	*5580.00	96.9 AV			1.54 H	254	59.9	37.0
3	11160.00	55.9 PK	74.0	-18.1	1.99 H	35	39.9	16.0
4	11160.00	42.8 AV	54.0	-11.2	1.99 H	35	26.8	16.0
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	*5580.00	108.4 PK			2.33 V	88	71.4	37.0
2	*5580.00	95.8 AV			2.33 V	88	58.8	37.0
3	11160.00	56.1 PK	74.0	-17.9	3.16 V	254	40.1	16.0
4	11160.00	43.4 AV	54.0	-10.6	3.16 V	254	27.4	16.0

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.

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	110.5 PK			1.55 H	255	73.3	37.2
2	*5700.00	97.9 AV			1.55 H	255	60.7	37.2
3	#5725.00	62.1 PK	68.2	-6.1	1.55 H	255	59.1	3.0
4	11400.00	55.9 PK	74.0	-18.1	1.93 H	37	39.6	16.3
5	11400.00	42.9 AV	54.0	-11.1	1.93 H	37	26.6	16.3
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	*5700.00	107.4 PK			3.73 V	109	70.2	37.2
2	*5700.00	95.3 AV			3.73 V	109	58.1	37.2
3	#5725.00	61.8 PK	68.2	-6.4	3.73 V	109	58.8	3.0
4	11400.00	56.6 PK	74.0	-17.4	3.18 V	255	40.3	16.3
5	11400.00	43.8 AV	54.0	-10.2	3.18 V	255	27.5	16.3

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	52.8 PK	68.2	-15.4	1.55 H	253	50.0	2.8
2	*5720.00	110.2 PK			1.55 H	253	72.9	37.3
3	*5720.00	97.5 AV			1.55 H	253	60.2	37.3
4	#5850.00	54.0 PK	68.2	-14.2	1.55 H	253	50.5	3.5
5	11440.00	55.8 PK	74.0	-18.2	1.98 H	36	39.8	16.0
6	11440.00	42.7 AV	54.0	-11.3	1.98 H	36	26.7	16.0
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	52.9 PK	68.2	-15.3	3.78 V	96	50.1	2.8
2	*5720.00	107.8 PK			3.78 V	96	70.5	37.3
3	*5720.00	95.9 AV			3.78 V	96	58.6	37.3
4	#5850.00	53.9 PK	68.2	-14.3	3.78 V	96	50.4	3.5
5	11440.00	56.4 PK	74.0	-17.6	3.22 V	256	40.4	16.0
6	11440.00	43.5 AV	54.0	-10.5	3.22 V	256	27.5	16.0

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	#5626.00	52.0 PK	68.2	-16.2	2.07 H	147	49.3	2.7
2	*5745.00	111.0 PK			2.07 H	147	73.7	37.3
3	*5745.00	101.9 AV			2.07 H	147	64.6	37.3
4	#5948.00	53.5 PK	68.2	-14.7	2.07 H	147	50.0	3.5
5	11490.00	55.9 PK	74.0	-18.1	1.96 H	38	40.1	15.8
6	11490.00	42.6 AV	54.0	-11.4	1.96 H	38	26.8	15.8
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	#5634.40	52.7 PK	68.2	-15.5	2.04 V	270	50.0	2.7
2	*5745.00	111.7 PK			2.04 V	270	74.4	37.3
3	*5745.00	98.9 AV			2.04 V	270	61.6	37.3
4	#5976.40	52.2 PK	68.2	-16.0	2.04 V	270	48.8	3.4
5	11490.00	55.3 PK	74.0	-18.7	3.15 V	266	39.5	15.8
6	11490.00	42.4 AV	54.0	-11.6	3.15 V	266	26.6	15.8

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 (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	#5628.80	52.9 PK	68.2	-15.3	1.95 H	147	50.2	2.7
2	*5785.00	113.8 PK			1.95 H	147	76.3	37.5
3	*5785.00	102.1 AV			1.95 H	147	64.6	37.5
4	#5970.80	53.6 PK	68.2	-14.6	1.95 H	147	50.2	3.4
5	11570.00	54.9 PK	74.0	-19.1	1.89 H	41	39.5	15.4
6	11570.00	41.8 AV	54.0	-12.2	1.89 H	41	26.4	15.4
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	#5646.80	52.4 PK	68.2	-15.8	2.01 V	267	49.6	2.8
2	*5785.00	111.2 PK			2.01 V	267	73.7	37.5
3	*5785.00	98.1 AV			2.01 V	267	60.6	37.5
4	#5946.00	52.9 PK	68.2	-15.3	2.01 V	267	49.4	3.5
5	11570.00	54.8 PK	74.0	-19.2	3.18 V	264	39.4	15.4
6	11570.00	42.2 AV	54.0	-11.8	3.18 V	264	26.8	15.4

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 (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	#5605.20	52.3 PK	68.2	-15.9	1.93 H	148	49.6	2.7
2	*5825.00	114.0 PK			1.93 H	148	76.4	37.6
3	*5825.00	101.3 AV			1.93 H	148	63.7	37.6
4	#5972.80	53.1 PK	68.2	-15.1	1.93 H	148	49.7	3.4
5	11650.00	55.1 PK	74.0	-18.9	1.91 H	32	39.6	15.5
6	11650.00	42.4 AV	54.0	-11.6	1.91 H	32	26.9	15.5
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	#5619.60	51.8 PK	68.2	-16.4	2.32 V	266	49.1	2.7
2	*5825.00	109.9 PK			2.32 V	266	72.3	37.6
3	*5825.00	97.9 AV			2.32 V	266	60.3	37.6
4	#5960.80	52.8 PK	68.2	-15.4	2.32 V	266	49.3	3.5
5	11650.00	55.3 PK	74.0	-18.7	3.19 V	261	39.8	15.5
6	11650.00	42.6 AV	54.0	-11.4	3.19 V	261	27.1	15.5

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 (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	56.4 PK	74.0	-17.6	1.69 H	154	54.2	2.2
2	5150.00	44.0 AV	54.0	-10.0	1.69 H	154	41.8	2.2
3	*5190.00	105.5 PK			1.69 H	154	69.1	36.4
4	*5190.00	96.0 AV			1.69 H	154	59.6	36.4
5	#10380.00	55.7 PK	68.2	-12.5	1.69 H	28	40.5	15.2
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	53.2 PK	74.0	-20.8	2.19 V	276	51.0	2.2
2	5150.00	40.6 AV	54.0	-13.4	2.19 V	276	38.4	2.2
3	*5190.00	104.6 PK			2.19 V	276	68.2	36.4
4	*5190.00	95.0 AV			2.19 V	276	58.6	36.4
5	#10380.00	55.4 PK	68.2	-12.8	3.28 V	266	40.2	15.2

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 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	*5230.00	110.8 PK			1.56 H	155	74.5	36.3
2	*5230.00	97.9 AV			1.56 H	155	61.6	36.3
3	5350.00	52.4 PK	74.0	-21.6	1.56 H	155	50.4	2.0
4	5350.00	38.5 AV	54.0	-15.5	1.56 H	155	36.5	2.0
5	#10460.00	55.2 PK	68.2	-13.0	1.66 H	22	40.1	15.1
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	*5230.00	109.3 PK			2.18 V	274	73.0	36.3
2	*5230.00	96.6 AV			2.18 V	274	60.3	36.3
3	5350.00	52.5 PK	74.0	-21.5	2.18 V	274	50.5	2.0
4	5350.00	39.0 AV	54.0	-15.0	2.18 V	274	37.0	2.0
5	#10460.00	55.4 PK	68.2	-12.8	3.26 V	259	40.3	15.1

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 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	53.2 PK	74.0	-20.8	1.25 H	134	51.0	2.2
2	5150.00	39.0 AV	54.0	-15.0	1.25 H	134	36.8	2.2
3	*5270.00	110.7 PK			1.25 H	134	74.5	36.2
4	*5270.00	96.7 AV			1.25 H	134	60.5	36.2
5	#10540.00	56.0 PK	68.2	-12.2	1.65 H	27	40.6	15.4
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	51.8 PK	74.0	-22.2	2.01 V	270	49.6	2.2
2	5150.00	38.8 AV	54.0	-15.2	2.01 V	270	36.6	2.2
3	*5270.00	109.4 PK			2.01 V	270	73.2	36.2
4	*5270.00	96.1 AV			2.01 V	270	59.9	36.2
5	#10540.00	56.6 PK	68.2	-11.6	3.24 V	266	41.2	15.4

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 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	108.5 PK			2.44 H	153	72.4	36.1
2	*5310.00	94.3 AV			2.44 H	153	58.2	36.1
3	5350.00	61.6 PK	74.0	-12.4	2.44 H	153	59.6	2.0
4	5350.00	47.3 AV	54.0	-6.7	2.44 H	153	45.3	2.0
5	10620.00	57.2 PK	74.0	-16.8	1.58 H	32	41.5	15.7
6	10620.00	44.1 AV	54.0	-9.9	1.58 H	32	28.4	15.7
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	*5310.00	106.8 PK			2.43 V	266	70.7	36.1
2	*5310.00	94.2 AV			2.43 V	266	58.1	36.1
3	5350.00	61.5 PK	74.0	-12.5	2.43 V	266	59.5	2.0
4	5350.00	46.9 AV	54.0	-7.1	2.43 V	266	44.9	2.0
5	10620.00	56.5 PK	74.0	-17.5	3.20 V	268	40.8	15.7
6	10620.00	43.8 AV	54.0	-10.2	3.20 V	268	28.1	15.7

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.

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	57.4 PK	74.0	-16.6	1.52 H	285	54.6	2.8
2	5460.00	42.7 AV	54.0	-11.3	1.52 H	285	39.9	2.8
3	#5470.00	61.6 PK	68.2	-6.6	1.52 H	285	58.8	2.8
4	*5510.00	104.3 PK			1.52 H	285	67.3	37.0
5	*5510.00	92.4 AV			1.52 H	285	55.4	37.0
6	11020.00	56.7 PK	74.0	-17.3	1.96 H	38	39.8	16.9
7	11020.00	43.5 AV	54.0	-10.5	1.96 H	38	26.6	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	5460.00	59.4 PK	74.0	-14.6	2.13 V	92	56.6	2.8
2	5460.00	44.0 AV	54.0	-10.0	2.13 V	92	41.2	2.8
3	#5470.00	63.6 PK	68.2	-4.6	2.13 V	92	60.8	2.8
4	*5510.00	104.0 PK			2.13 V	92	67.0	37.0
5	*5510.00	92.2 AV			2.13 V	92	55.2	37.0
6	11020.00	57.2 PK	74.0	-16.8	3.18 V	262	40.3	16.9
7	11020.00	44.1 AV	54.0	-9.9	3.18 V	262	27.2	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 (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	106.5 PK			1.54 H	132	69.5	37.0
2	*5550.00	93.2 AV			1.54 H	132	56.2	37.0
3	11100.00	55.9 PK	74.0	-18.1	1.98 H	33	39.8	16.1
4	11100.00	42.8 AV	54.0	-11.2	1.98 H	33	26.7	16.1
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	*5550.00	105.6 PK			2.21 V	90	68.6	37.0
2	*5550.00	92.4 AV			2.21 V	90	55.4	37.0
3	11100.00	56.6 PK	74.0	-17.4	3.21 V	268	40.5	16.1
4	11100.00	43.5 AV	54.0	-10.5	3.21 V	268	27.4	16.1

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.

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	109.8 PK			2.33 H	144	72.7	37.1
2	*5670.00	96.2 AV			2.33 H	144	59.1	37.1
3	#5725.00	62.8 PK	68.2	-5.4	2.33 H	144	59.8	3.0
4	11340.00	56.1 PK	74.0	-17.9	1.92 H	32	39.6	16.5
5	11340.00	43.0 AV	54.0	-11.0	1.92 H	32	26.5	16.5
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	*5670.00	106.4 PK			3.83 V	99	69.3	37.1
2	*5670.00	93.3 AV			3.83 V	99	56.2	37.1
3	#5725.00	62.5 PK	68.2	-5.7	3.83 V	99	59.5	3.0
4	11340.00	57.0 PK	74.0	-17.0	3.18 V	267	40.5	16.5
5	11340.00	43.7 AV	54.0	-10.3	3.18 V	267	27.2	16.5

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 (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	*5710.00	110.1 PK			2.36 H	147	72.9	37.2
2	*5710.00	96.7 AV			2.36 H	147	59.5	37.2
3	#5850.00	53.3 PK	68.2	-14.9	2.36 H	147	49.8	3.5
4	11420.00	55.9 PK	74.0	-18.1	2.01 H	38	39.7	16.2
5	11420.00	42.5 AV	54.0	-11.5	2.01 H	38	26.3	16.2
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	*5710.00	107.2 PK			3.74 V	100	70.0	37.2
2	*5710.00	93.2 AV			3.74 V	100	56.0	37.2
3	#5850.00	53.4 PK	68.2	-14.8	3.74 V	100	49.9	3.5
4	11420.00	56.1 PK	74.0	-17.9	3.22 V	262	39.9	16.2
5	11420.00	43.0 AV	54.0	-11.0	3.22 V	262	26.8	16.2

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 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	#5646.00	56.1 PK	68.2	-12.1	2.07 H	145	53.3	2.8
2	*5755.00	107.7 PK			2.07 H	145	70.4	37.3
3	*5755.00	97.6 AV			2.07 H	145	60.3	37.3
4	#5960.80	53.3 PK	68.2	-14.9	2.07 H	145	49.8	3.5
5	11510.00	55.8 PK	74.0	-18.2	1.93 H	35	40.2	15.6
6	11510.00	42.3 AV	54.0	-11.7	1.93 H	35	26.7	15.6
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	#5641.20	54.4 PK	68.2	-13.8	1.84 V	266	51.6	2.8
2	*5755.00	108.1 PK			1.84 V	266	70.8	37.3
3	*5755.00	94.9 AV			1.84 V	266	57.6	37.3
4	#5958.40	53.1 PK	68.2	-15.1	1.84 V	266	49.6	3.5
5	11510.00	55.6 PK	74.0	-18.4	3.10 V	264	40.0	15.6
6	11510.00	41.9 AV	54.0	-12.1	3.10 V	264	26.3	15.6

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 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	#5633.60	52.2 PK	68.2	-16.0	2.08 H	148	49.5	2.7
2	*5795.00	111.1 PK			2.08 H	148	73.5	37.6
3	*5795.00	98.1 AV			2.08 H	148	60.5	37.6
4	#5946.40	53.8 PK	68.2	-14.4	2.08 H	148	50.3	3.5
5	11590.00	55.7 PK	74.0	-18.3	1.90 H	34	40.3	15.4
6	11590.00	42.6 AV	54.0	-11.4	1.90 H	34	27.2	15.4
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	#5639.20	52.9 PK	68.2	-15.3	1.86 V	269	50.2	2.7
2	*5795.00	107.9 PK			1.86 V	269	70.3	37.6
3	*5795.00	94.5 AV			1.86 V	269	56.9	37.6
4	#5971.20	53.6 PK	68.2	-14.6	1.86 V	269	50.2	3.4
5	11590.00	54.6 PK	74.0	-19.4	3.22 V	259	39.2	15.4
6	11590.00	42.0 AV	54.0	-12.0	3.22 V	259	26.6	15.4

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 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	57.7 PK	74.0	-16.3	1.51 H	154	55.5	2.2
2	5150.00	45.7 AV	54.0	-8.3	1.51 H	154	43.5	2.2
3	*5210.00	106.7 PK			1.51 H	154	70.3	36.4
4	*5210.00	93.8 AV			1.51 H	154	57.4	36.4
5	5350.00	52.0 PK	74.0	-22.0	1.51 H	154	50.0	2.0
6	5350.00	39.1 AV	54.0	-14.9	1.51 H	154	37.1	2.0
7	#10420.00	55.9 PK	68.2	-12.3	1.77 H	25	40.7	15.2
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	53.8 PK	74.0	-20.2	2.10 V	277	51.6	2.2
2	5150.00	41.4 AV	54.0	-12.6	2.10 V	277	39.2	2.2
3	*5210.00	104.9 PK			2.10 V	277	68.5	36.4
4	*5210.00	92.5 AV			2.10 V	277	56.1	36.4
5	5350.00	53.2 PK	74.0	-20.8	2.10 V	277	51.2	2.0
6	5350.00	39.5 AV	54.0	-14.5	2.10 V	277	37.5	2.0
7	#10420.00	55.4 PK	68.2	-12.8	3.22 V	266	40.2	15.2

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	*5290.00	105.8 PK			2.38 H	153	69.7	36.1
2	*5290.00	91.7 AV			2.38 H	153	55.6	36.1
3	5350.00	58.3 PK	74.0	-15.7	2.38 H	153	56.3	2.0
4	5350.00	44.8 AV	54.0	-9.2	2.38 H	153	42.8	2.0
5	#10580.00	57.1 PK	68.2	-11.1	1.74 H	25	41.5	15.6
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	*5290.00	104.6 PK			1.95 V	269	68.5	36.1
2	*5290.00	90.9 AV			1.95 V	269	54.8	36.1
3	5350.00	60.2 PK	74.0	-13.8	1.95 V	269	58.2	2.0
4	5350.00	45.9 AV	54.0	-8.1	1.95 V	269	43.9	2.0
5	#10580.00	56.8 PK	68.2	-11.4	3.18 V	264	41.2	15.6

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 (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	58.9 PK	74.0	-15.1	1.61 H	134	56.1	2.8
2	5460.00	45.8 AV	54.0	-8.2	1.61 H	134	43.0	2.8
3	#5470.00	61.5 PK	68.2	-6.7	1.61 H	134	58.7	2.8
4	*5530.00	101.7 PK			1.61 H	134	64.7	37.0
5	*5530.00	90.1 AV			1.61 H	134	53.1	37.0
6	#5725.00	53.1 PK	68.2	-15.1	1.61 H	134	50.1	3.0
7	11060.00	56.4 PK	74.0	-17.6	1.88 H	34	39.8	16.6
8	11060.00	43.0 AV	54.0	-11.0	1.88 H	34	26.4	16.6
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	2.32 V	90	57.2	2.8
2	5460.00	47.1 AV	54.0	-6.9	2.32 V	90	44.3	2.8
3	#5470.00	63.2 PK	68.2	-5.0	2.32 V	90	60.4	2.8
4	*5530.00	99.6 PK			2.32 V	90	62.6	37.0
5	*5530.00	89.1 AV			2.32 V	90	52.1	37.0
6	#5725.00	53.2 PK	68.2	-15.0	2.32 V	90	50.2	3.0
7	11060.00	56.1 PK	74.0	-17.9	3.12 V	263	39.5	16.6
8	11060.00	43.1 AV	54.0	-10.9	3.12 V	263	26.5	16.6

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 (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	54.2 PK	74.0	-19.8	1.58 H	130	51.4	2.8
2	5460.00	40.8 AV	54.0	-13.2	1.58 H	130	38.0	2.8
3	#5470.00	56.1 PK	68.2	-12.1	1.58 H	130	53.3	2.8
4	*5610.00	104.0 PK			1.58 H	130	67.0	37.0
5	*5610.00	91.1 AV			1.58 H	130	54.1	37.0
6	#5725.00	58.1 PK	68.2	-10.1	1.58 H	130	55.1	3.0
7	11220.00	56.1 PK	74.0	-17.9	1.93 H	33	40.2	15.9
8	11220.00	43.0 AV	54.0	-11.0	1.93 H	33	27.1	15.9
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	5460.00	54.9 PK	74.0	-19.1	2.25 V	93	52.1	2.8
2	5460.00	42.0 AV	54.0	-12.0	2.25 V	93	39.2	2.8
3	#5470.00	57.9 PK	68.2	-10.3	2.25 V	93	55.1	2.8
4	*5610.00	102.5 PK			2.25 V	93	65.5	37.0
5	*5610.00	89.4 AV			2.25 V	93	52.4	37.0
6	#5725.00	56.7 PK	68.2	-11.5	2.25 V	93	53.7	3.0
7	11220.00	56.4 PK	74.0	-17.6	3.11 V	261	40.5	15.9
8	11220.00	43.2 AV	54.0	-10.8	3.11 V	261	27.3	15.9

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 (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	*5690.00	107.9 PK			2.35 H	146	70.7	37.2
2	*5690.00	94.3 AV			2.35 H	146	57.1	37.2
3	#5850.00	56.3 PK	68.2	-11.9	2.35 H	146	52.8	3.5
4	11380.00	56.2 PK	74.0	-17.8	1.94 H	39	39.7	16.5
5	11380.00	43.2 AV	54.0	-10.8	1.94 H	39	26.7	16.5
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	*5690.00	104.0 PK			2.16 V	85	66.8	37.2
2	*5690.00	90.3 AV			2.16 V	85	53.1	37.2
3	#5850.00	54.7 PK	68.2	-13.5	2.16 V	85	51.2	3.5
4	11380.00	57.0 PK	74.0	-17.0	3.15 V	262	40.5	16.5
5	11380.00	44.6 AV	54.0	-9.4	3.15 V	262	28.1	16.5

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 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	#5647.20	55.8 PK	68.2	-12.4	2.07 H	146	53.0	2.8
2	*5775.00	107.2 PK			2.07 H	146	69.7	37.5
3	*5775.00	94.4 AV			2.07 H	146	56.9	37.5
4	#5940.40	53.8 PK	68.2	-14.4	2.07 H	146	50.3	3.5
5	11550.00	55.0 PK	74.0	-19.0	1.89 H	38	39.4	15.6
6	11550.00	42.2 AV	54.0	-11.8	1.89 H	38	26.6	15.6
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	#5646.00	58.6 PK	68.2	-9.6	2.32 V	265	55.8	2.8
2	*5775.00	106.2 PK			2.32 V	265	68.7	37.5
3	*5775.00	92.7 AV			2.32 V	265	55.2	37.5
4	#5929.20	54.1 PK	68.2	-14.1	2.32 V	265	50.7	3.4
5	11550.00	54.8 PK	74.0	-19.2	3.14 V	265	39.2	15.6
6	11550.00	42.5 AV	54.0	-11.5	3.14 V	265	26.9	15.6

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 (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	54.8 PK	74.0	-19.2	1.55 H	154	52.6	2.2
2	5150.00	42.1 AV	54.0	-11.9	1.55 H	154	39.9	2.2
3	*5250.00	99.5 PK			1.55 H	154	63.3	36.2
4	*5250.00	87.0 AV			1.55 H	154	50.8	36.2
5	5350.00	53.7 PK	74.0	-20.3	1.55 H	154	51.7	2.0
6	5350.00	41.0 AV	54.0	-13.0	1.55 H	154	39.0	2.0
7	#10500.00	56.4 PK	68.2	-11.8	1.67 H	30	41.4	15.0
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	5150.00	52.3 PK	74.0	-21.7	2.10 V	279	50.1	2.2
2	5150.00	39.6 AV	54.0	-14.4	2.10 V	279	37.4	2.2
3	*5250.00	98.6 PK			2.10 V	279	62.4	36.2
4	*5250.00	87.2 AV			2.10 V	279	51.0	36.2
5	5350.00	54.7 PK	74.0	-19.3	2.10 V	279	52.7	2.0
6	5350.00	41.5 AV	54.0	-12.5	2.10 V	279	39.5	2.0
7	#10500.00	56.5 PK	68.2	-11.7	3.32 V	264	41.5	15.0

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 (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	54.8 PK	74.0	-19.2	1.48 H	132	52.0	2.8
2	5460.00	41.7 AV	54.0	-12.3	1.48 H	132	38.9	2.8
3	#5470.00	55.6 PK	68.2	-12.6	1.48 H	132	52.8	2.8
4	*5570.00	94.7 PK			1.48 H	132	57.7	37.0
5	*5570.00	82.9 AV			1.48 H	132	45.9	37.0
6	#5725.00	57.2 PK	68.2	-11.0	1.48 H	132	54.2	3.0
7	11140.00	56.1 PK	74.0	-17.9	1.97 H	34	40.0	16.1
8	11140.00	43.7 AV	54.0	-10.3	1.97 H	34	27.6	16.1
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	5460.00	56.3 PK	74.0	-17.7	2.27 V	93	53.5	2.8
2	5460.00	42.2 AV	54.0	-11.8	2.27 V	93	39.4	2.8
3	#5470.00	56.8 PK	68.2	-11.4	2.27 V	93	54.0	2.8
4	*5570.00	92.4 PK			2.27 V	93	55.4	37.0
5	*5570.00	82.4 AV			2.27 V	93	45.4	37.0
6	#5725.00	54.5 PK	68.2	-13.7	2.27 V	93	51.5	3.0
7	11140.00	55.9 PK	74.0	-18.1	3.11 V	266	39.8	16.1
8	11140.00	42.8 AV	54.0	-11.2	3.11 V	266	26.7	16.1

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.

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.

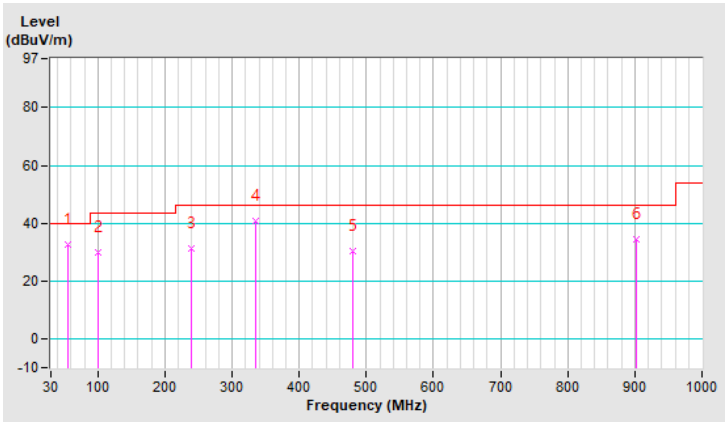
30 MHz ~ 1 GHz Worst-Case Data:

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	56.19	32.8 QP	40.0	-7.2	1.25 H	6	41.8	-9.0
2	99.84	30.0 QP	43.5	-13.5	1.00 H	194	43.1	-13.1
3	239.52	31.4 QP	46.0	-14.6	1.00 H	134	40.6	-9.2
4	335.55	40.6 QP	46.0	-5.4	1.25 H	68	46.6	-6.0
5	480.08	30.2 QP	46.0	-15.8	1.00 H	157	33.2	-3.0
6	902.03	34.5 QP	46.0	-11.5	1.50 H	275	29.4	5.1

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.

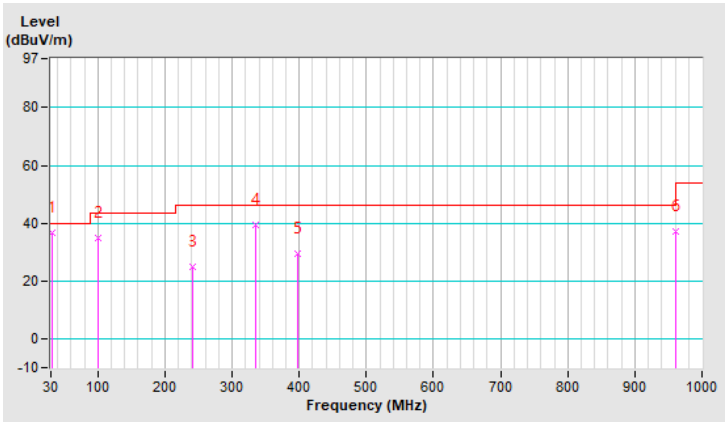


RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

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	31.94	36.7 QP	40.0	-3.3	1.00 V	129	47.0	-10.3
2	99.84	34.9 QP	43.5	-8.6	1.25 V	148	48.0	-13.1
3	240.49	24.8 QP	46.0	-21.2	1.50 V	180	33.9	-9.1
4	335.55	39.3 QP	46.0	-6.7	1.50 V	154	45.3	-6.0
5	398.60	29.3 QP	46.0	-16.7	1.25 V	13	34.0	-4.7
6	960.23	37.3 QP	54.0	-16.7	1.00 V	112	31.3	6.0

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 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

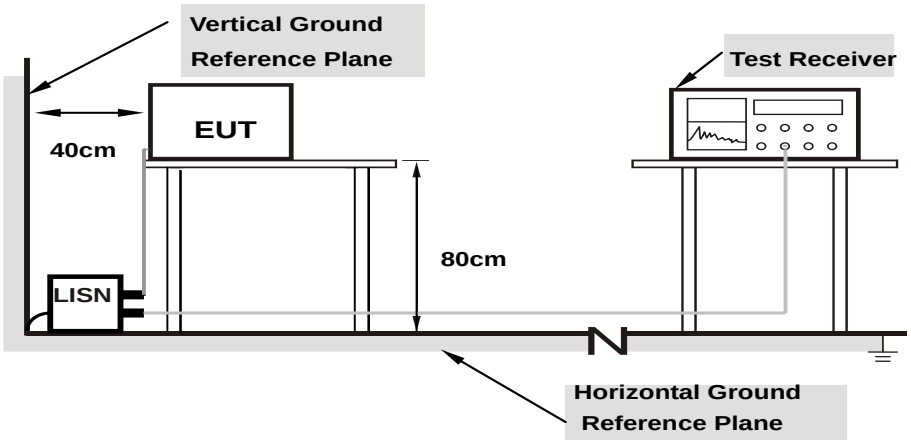
a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling 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.

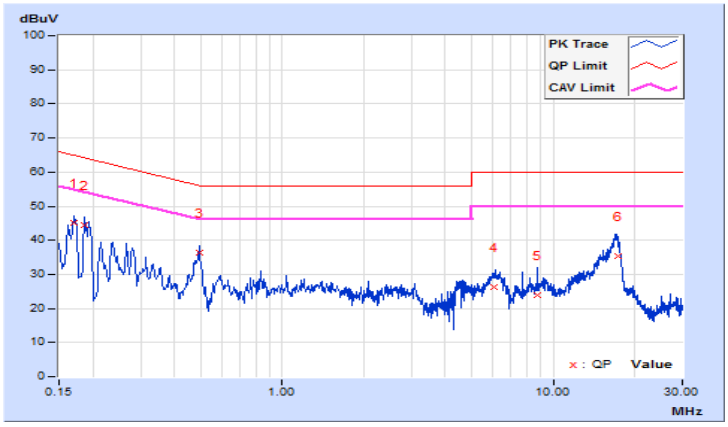
4.2.7 Test Results

Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	25℃, 75%RH
Tested by	Rex Wang	**Test Date**	2021/2/1

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	0.16932	9.58	35.44	20.86	45.02	30.44	64.99	54.99	-19.97	-24.55
2	0.18568	9.58	34.77	18.70	44.35	28.28	64.23	54.23	-19.88	-25.95
3	0.49216	9.61	26.66	17.94	36.27	27.55	56.13	46.13	-19.86	-18.58
4	6.03400	9.69	16.41	11.72	26.10	21.41	60.00	50.00	-33.90	-28.59
5	8.71000	9.71	14.14	9.17	23.85	18.88	60.00	50.00	-36.15	-31.12
6	17.27000	9.70	25.57	16.01	35.27	25.71	60.00	50.00	-24.73	-24.29

Remarks:

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

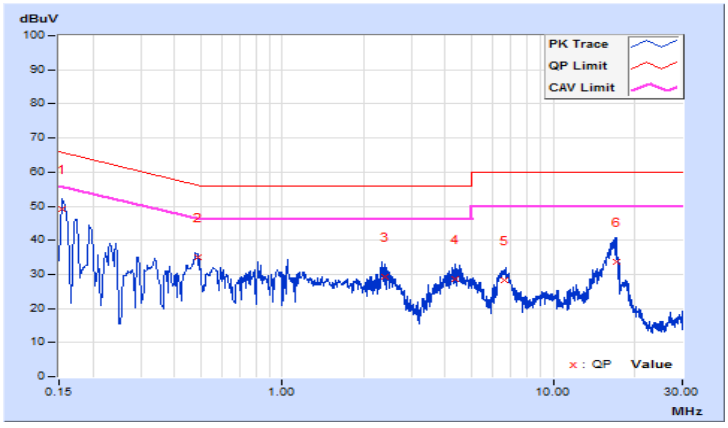


Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	25℃, 75%RH
Tested by	Rex Wang	**Test Date**	2021/2/1

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	**0.15400**	**9.56**	**39.61**	**25.76**	**49.17**	**35.32**	**65.78**	**55.78**	**-16.61**	**-20.46**
2	0.48600	9.59	25.58	18.13	35.17	27.72	56.24	46.24	-21.07	-18.52
3	2.38200	9.63	19.56	10.49	29.19	20.12	56.00	46.00	-26.81	-25.88
4	4.32572	9.65	18.83	11.74	28.48	21.39	56.00	46.00	-27.52	-24.61
5	6.57400	9.68	18.76	14.14	28.44	23.82	60.00	50.00	-31.56	-26.18
6	17.09000	9.74	23.86	13.98	33.60	23.72	60.00	50.00	-26.40	-26.28

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 $N_{ANT} \leq 4$;

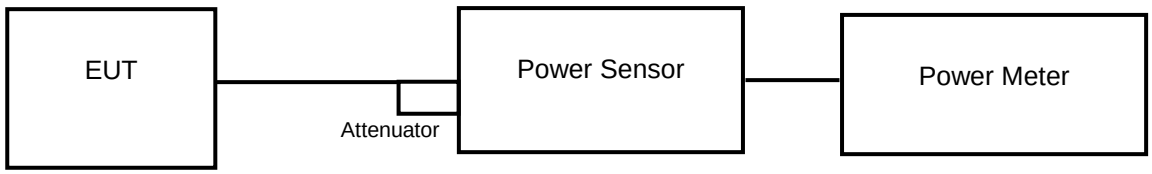
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

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	77.268	76.208	18.88	18.82	24	Pass
40	5200	121.060	120.226	20.83	20.8	24	Pass
48	5240	120.781	123.310	20.82	20.91	24	Pass
52	5260	122.462	121.899	20.88	20.86	24	Pass
60	5300	118.850	115.080	20.75	20.61	24	Pass
64	5320	66.834	67.298	18.25	18.28	24	Pass
100	5500	76.913	76.208	18.86	18.82	24	Pass
116	5580	74.645	73.961	18.73	18.69	24	Pass
140	5700	74.302	84.140	18.71	19.25	24	Pass
149	5745	121.619	122.180	20.85	20.87	30	Pass
157	5785	119.950	121.060	20.79	20.83	30	Pass
165	5825	121.899	124.738	20.86	20.96	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	75.858	74.473	18.80	18.72	24	Pass
40	5200	121.339	119.950	20.84	20.79	24	Pass
48	5240	123.310	125.603	20.91	20.99	24	Pass
52	5260	121.899	121.619	20.86	20.85	24	Pass
60	5300	119.124	118.304	20.76	20.73	24	Pass
64	5320	64.714	58.749	18.11	17.69	24	Pass
100	5500	77.268	78.524	18.88	18.95	24	Pass
116	5580	75.336	75.336	18.77	18.77	24	Pass
140	5700	73.961	82.414	18.69	19.16	24	Pass
144	5720	90.782	97.499	19.58	19.89	24	Pass
149	5745	121.619	123.880	20.85	20.93	30	Pass
157	5785	124.738	125.893	20.96	21.00	30	Pass
165	5825	123.880	123.027	20.93	20.90	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	70.632	67.920	18.49	18.32	24	Pass
46	5230	109.648	112.202	20.40	20.50	24	Pass
54	5270	104.954	107.647	20.21	20.32	24	Pass
62	5310	51.404	50.816	17.11	17.06	24	Pass
102	5510	68.549	72.778	18.36	18.62	24	Pass
110	5550	66.988	69.984	18.26	18.45	24	Pass
134	5670	76.384	89.125	18.83	19.50	24	Pass
142	5710	109.144	110.662	20.38	20.44	24	Pass
151	5755	122.462	126.183	20.88	21.01	30	Pass
159	5795	123.595	123.595	20.92	20.92	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	74.302	75.509	18.71	18.78	24	Pass
58	5290	66.681	65.917	18.24	18.19	24	Pass
106	5530	70.958	73.282	18.51	18.65	24	Pass
122	5610	81.096	93.972	19.09	19.73	24	Pass
138	5690	110.917	118.304	20.45	20.73	24	Pass
155	5775	75.336	74.817	18.77	18.74	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	28.642	29.107	14.57	14.64	24	Pass
114	5570	29.992	34.119	14.77	15.33	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	76.560	72.778	18.84	18.62	24	Pass
40	5200	122.180	119.950	20.87	20.79	24	Pass
48	5240	121.339	124.738	20.84	20.96	24	Pass
52	5260	120.504	118.577	20.81	20.74	24	Pass
60	5300	119.124	118.577	20.76	20.74	24	Pass
64	5320	56.885	53.951	17.55	17.32	24	Pass
100	5500	77.090	79.250	18.87	18.99	24	Pass
116	5580	74.302	76.560	18.71	18.84	24	Pass
140	5700	71.285	79.250	18.53	18.99	24	Pass
144	5720	90.573	92.897	19.57	19.68	24	Pass
149	5745	123.310	125.893	20.91	21.00	30	Pass
157	5785	123.595	123.027	20.92	20.90	30	Pass
165	5825	122.180	123.310	20.87	20.91	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	69.823	71.450	18.44	18.54	24	Pass
46	5230	110.917	111.173	20.45	20.46	24	Pass
54	5270	101.859	106.414	20.08	20.27	24	Pass
62	5310	51.050	50.350	17.08	17.02	24	Pass
102	5510	68.707	70.795	18.37	18.5	24	Pass
110	5550	66.222	68.077	18.21	18.33	24	Pass
134	5670	71.450	81.283	18.54	19.1	24	Pass
142	5710	103.992	105.682	20.17	20.24	24	Pass
151	5755	113.501	116.681	20.55	20.67	30	Pass
159	5795	118.032	114.025	20.72	20.57	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	73.961	74.645	18.69	18.73	24	Pass
58	5290	66.222	64.417	18.21	18.09	24	Pass
106	5530	70.958	73.451	18.51	18.66	24	Pass
122	5610	76.560	87.498	18.84	19.42	24	Pass
138	5690	111.944	119.124	20.49	20.76	24	Pass
155	5775	68.391	76.208	18.35	18.82	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	28.184	29.717	14.5	14.73	24	Pass
114	5570	30.130	34.914	14.79	15.43	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	18.08	18.09	128.825	21.10	24	Pass
40	5200	19.50	19.49	178.238	22.51	24	Pass
48	5240	19.65	19.63	184.077	22.65	24	Pass
52	5260	19.53	19.51	179.061	22.53	24	Pass
60	5300	19.51	19.50	178.649	22.52	24	Pass
64	5320	16.74	16.74	94.406	19.75	24	Pass
100	5500	18.08	18.07	128.529	21.09	24	Pass
116	5580	18.04	18.04	127.350	21.05	24	Pass
140	5700	17.87	17.93	123.310	20.91	24	Pass
144	5720	18.76	18.84	151.705	21.81	24	Pass
149	5745	19.92	19.97	197.697	22.96	30	Pass
157	5785	20.08	20.07	203.704	23.09	30	Pass
165	5825	20.00	20.06	201.372	23.04	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	17.27	17.26	106.660	20.28	24	Pass
46	5230	19.09	19.15	163.305	22.13	24	Pass
54	5270	18.79	18.76	151.008	21.79	24	Pass
62	5310	14.45	14.53	56.234	17.50	24	Pass
102	5510	17.83	17.81	121.060	20.83	24	Pass
110	5550	17.76	17.76	119.399	20.77	24	Pass
134	5670	18.85	18.85	153.462	21.86	24	Pass
142	5710	19.52	19.56	179.887	22.55	24	Pass
151	5755	19.98	19.96	198.609	22.98	30	Pass
159	5795	19.95	19.97	198.153	22.97	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	17.14	17.14	103.514	20.15	24	Pass
58	5290	15.85	15.82	76.736	18.85	24	Pass
106	5530	17.73	17.72	118.577	20.74	24	Pass
122	5610	18.93	18.96	157.036	21.96	24	Pass
138	5690	19.83	19.83	192.309	22.84	24	Pass
155	5775	18.12	18.15	130.317	21.15	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	13.27	13.21	42.170	16.25	24	Pass
114	5570	13.85	13.82	48.417	16.85	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	18.17	18.22	132.130	21.21	24	Pass
40	5200	19.63	19.67	184.502	22.66	24	Pass
48	5240	19.74	19.74	188.365	22.75	24	Pass
52	5260	19.53	19.56	180.302	22.56	24	Pass
60	5300	19.41	19.44	175.388	22.44	24	Pass
64	5320	16.97	16.92	99.083	19.96	24	Pass
100	5500	17.98	18.00	125.893	21.00	24	Pass
116	5580	17.91	17.93	123.880	20.93	24	Pass
140	5700	17.62	17.67	116.413	20.66	24	Pass
144	5720	18.74	18.72	149.279	21.74	24	Pass
149	5745	20.02	20.03	201.372	23.04	30	Pass
157	5785	20.04	20.11	203.704	23.09	30	Pass
165	5825	19.94	19.94	197.242	22.95	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	17.28	17.28	106.905	20.29	24	Pass
46	5230	19.12	19.06	162.181	22.10	24	Pass
54	5270	18.71	18.69	148.252	21.71	24	Pass
62	5310	17.00	17.03	100.693	20.03	24	Pass
102	5510	17.79	17.84	121.060	20.83	24	Pass
110	5550	17.75	17.81	119.950	20.79	24	Pass
134	5670	18.58	18.62	144.877	21.61	24	Pass
142	5710	19.41	19.39	174.181	22.41	24	Pass
151	5755	19.24	19.25	168.267	22.26	30	Pass
159	5795	19.76	19.70	187.932	22.74	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	17.08	17.14	102.802	20.12	24	Pass
58	5290	16.18	16.15	82.794	19.18	24	Pass
106	5530	17.61	17.66	116.145	20.65	24	Pass
122	5610	18.77	18.80	151.356	21.80	24	Pass
138	5690	19.91	19.92	196.336	22.93	24	Pass
155	5775	17.68	17.66	116.950	20.68	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	13.16	13.16	41.400	16.17	24	Pass
114	5570	13.99	13.97	50.003	16.99	24	Pass

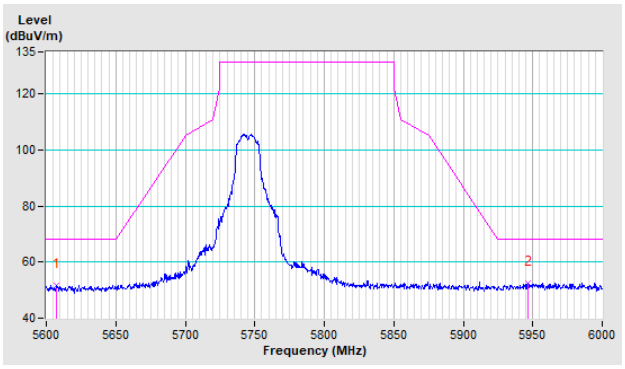
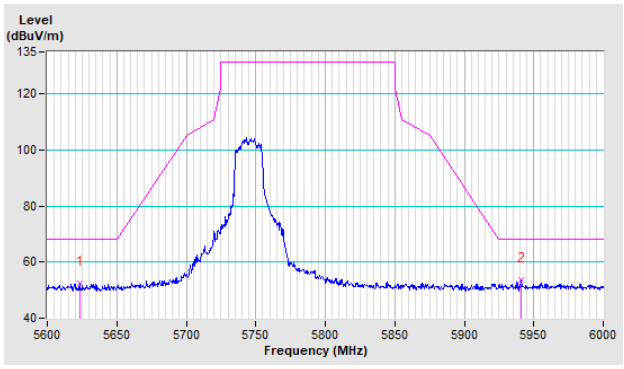
5 Pictures of Test Arrangements

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

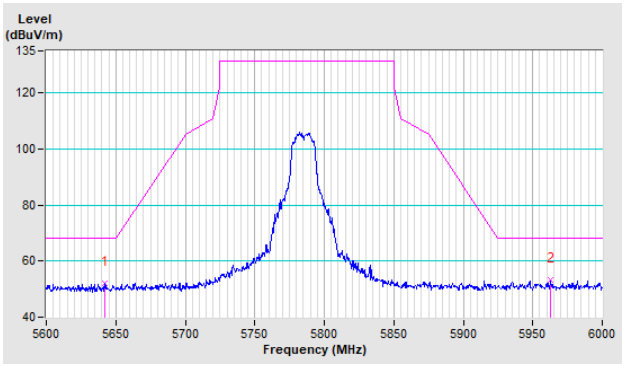
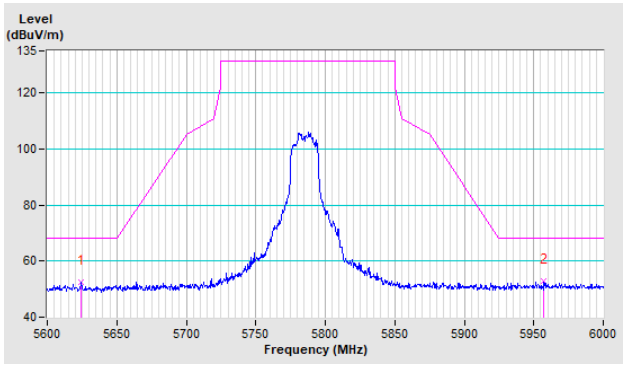
Annex A- Radiated Out of Band Emission (OOBE) Measurement

802.11a

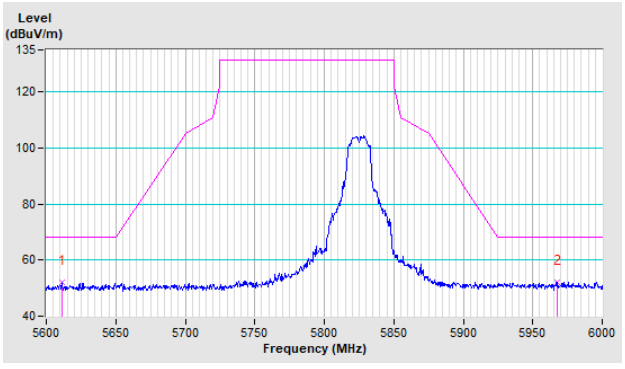
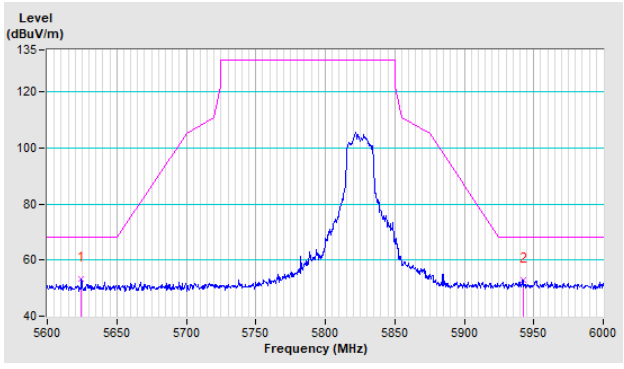
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

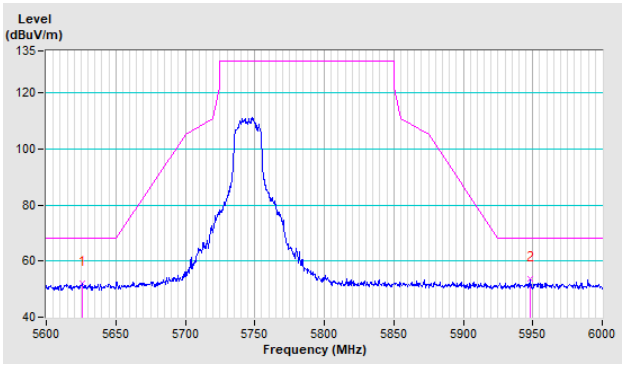
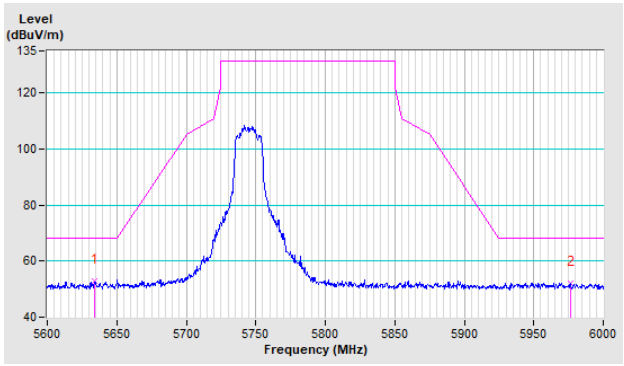
Horizontal	Vertical
	

CH 165 5825 MHz

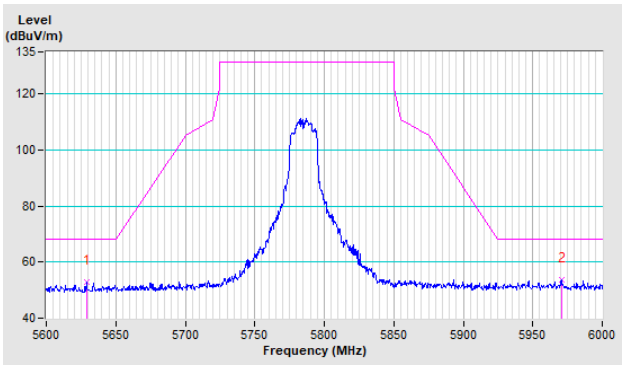
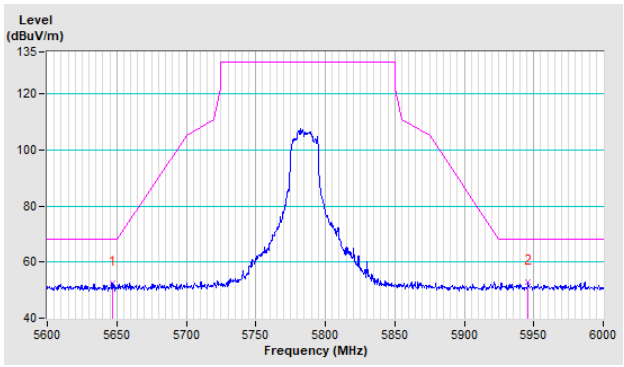
Horizontal	Vertical
	

802.11ax (HE20)

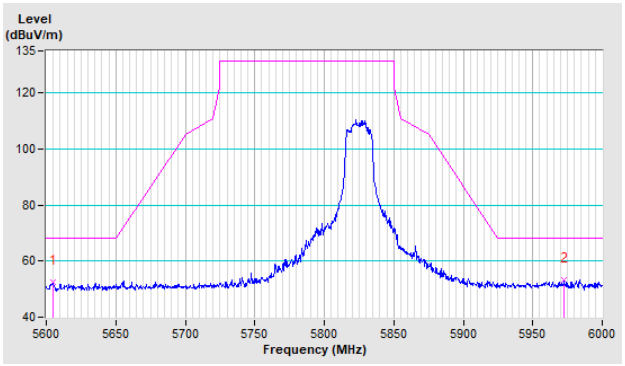
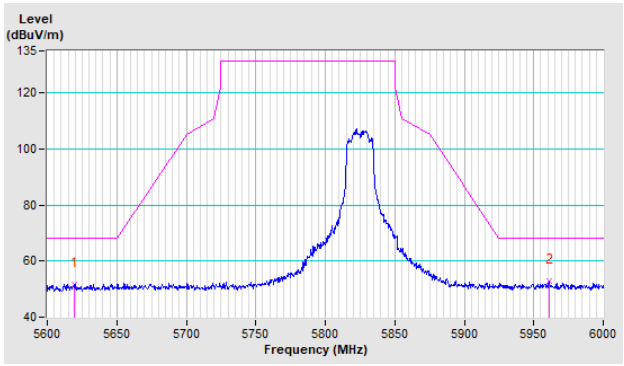
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

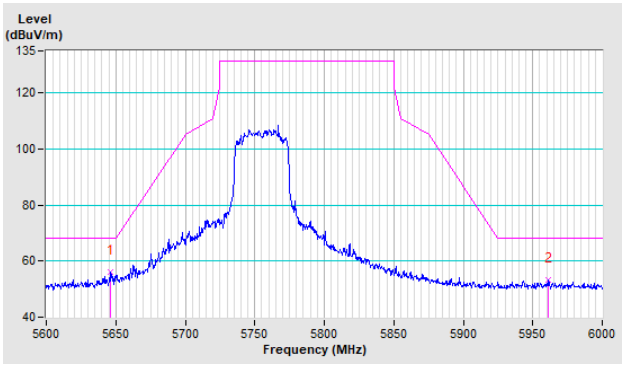
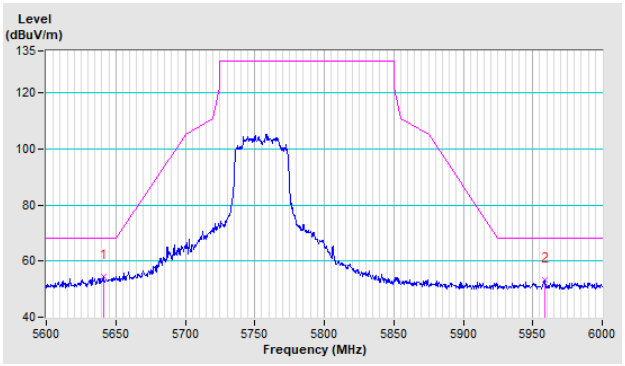
Horizontal	Vertical
	

CH 165 5825 MHz

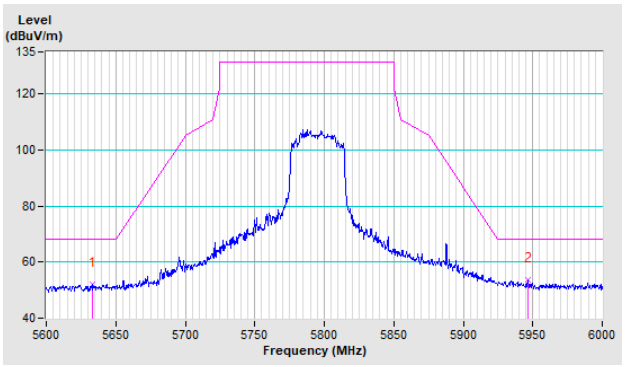
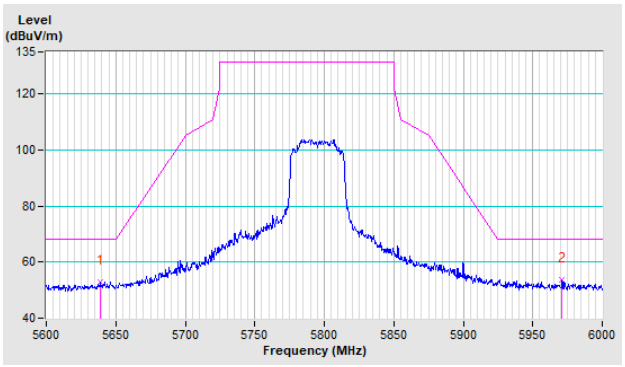
Horizontal	Vertical
	

802.11ax (HE40)

CH 151 5755 MHz

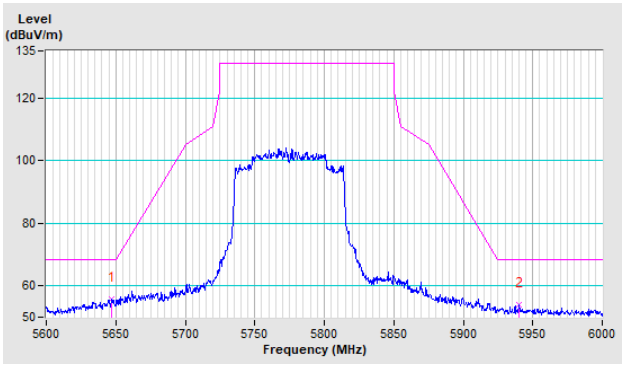
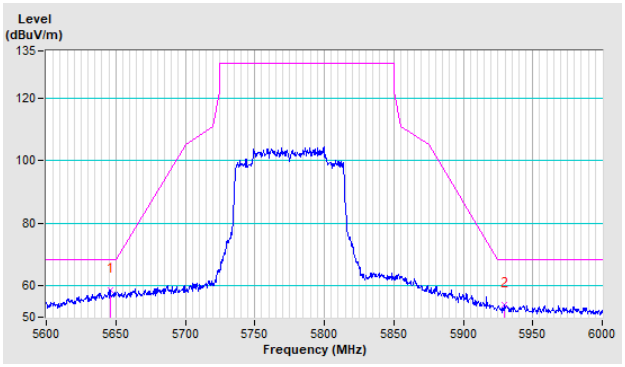
Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

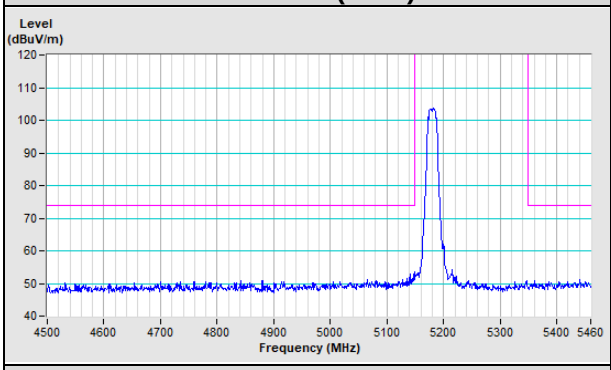
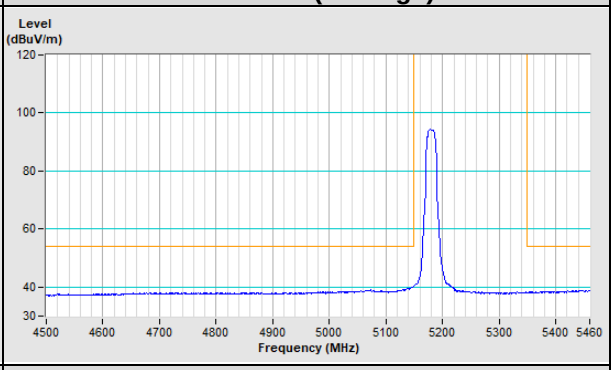
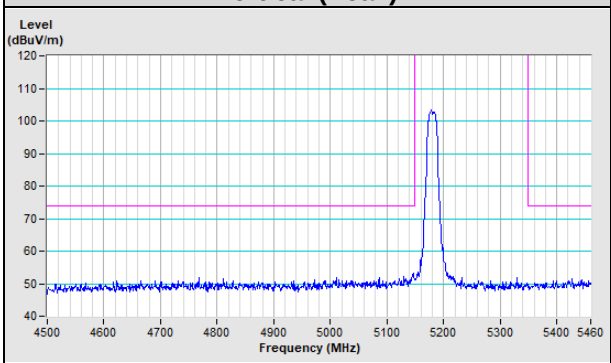
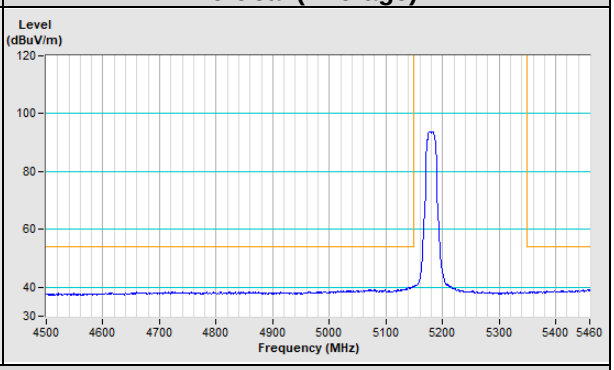
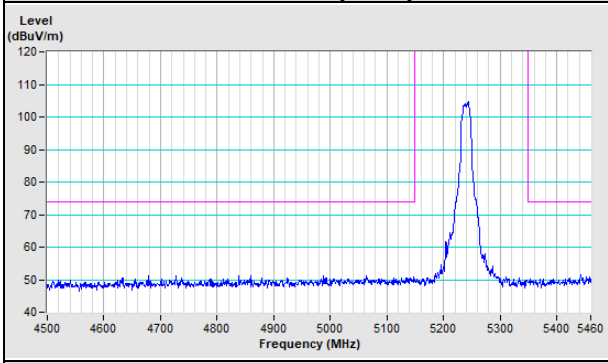
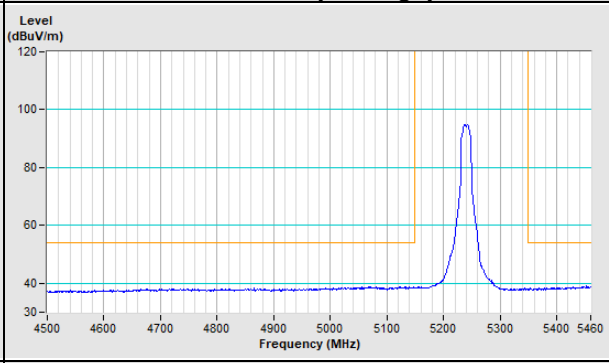
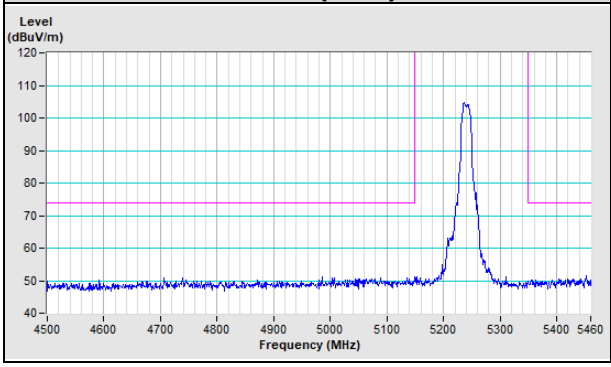
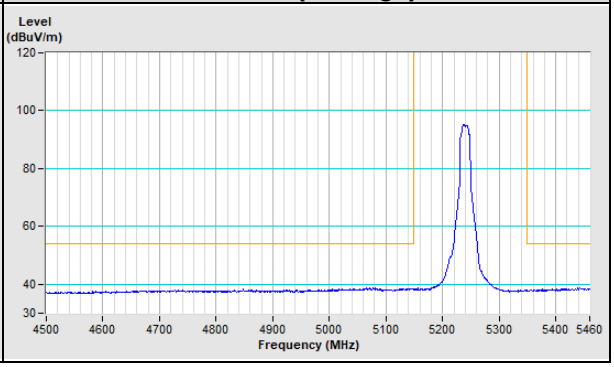
802.11ax (HE80)

CH 155 5775 MHz

Horizontal	Vertical
	

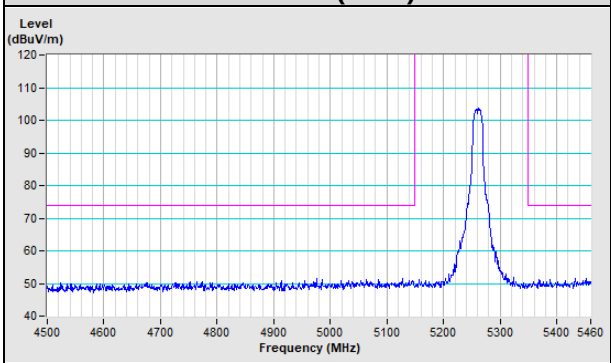
Annex B- Band-edge measurement

802.11a

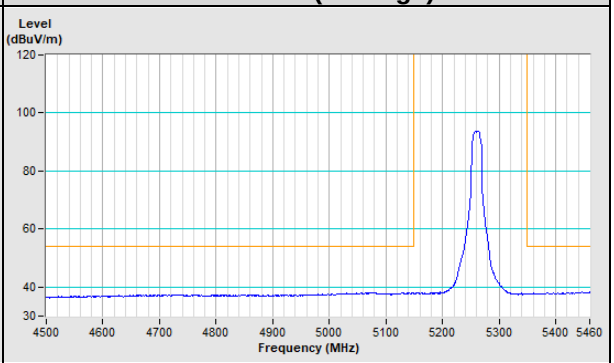
802.11a Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11a Channel 52

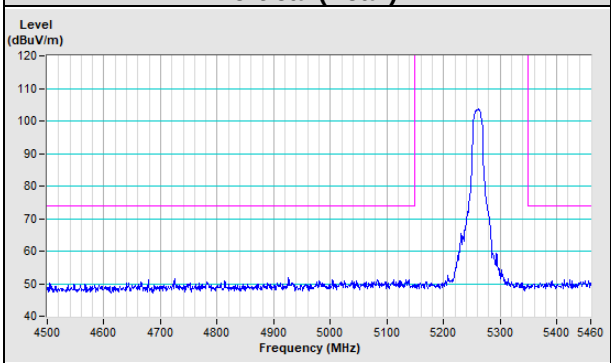
Horizontal (Peak)



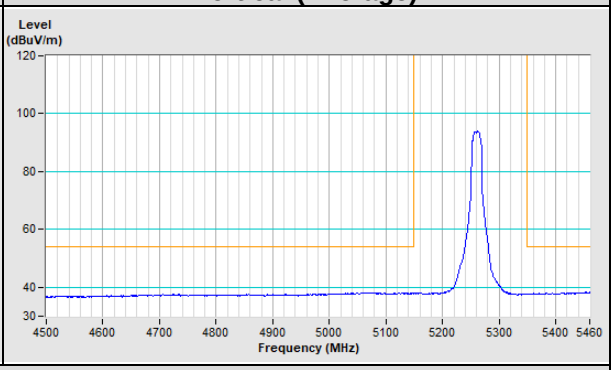
Horizontal (Average)



Vertical (Peak)

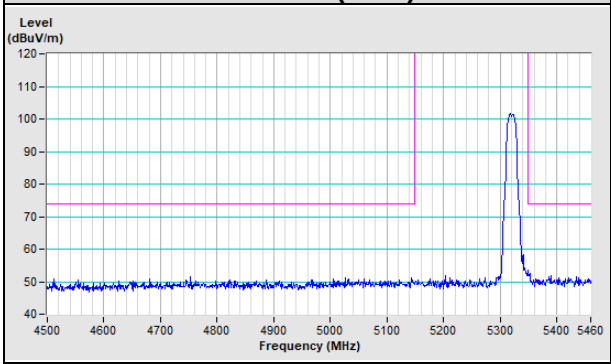


Vertical (Average)

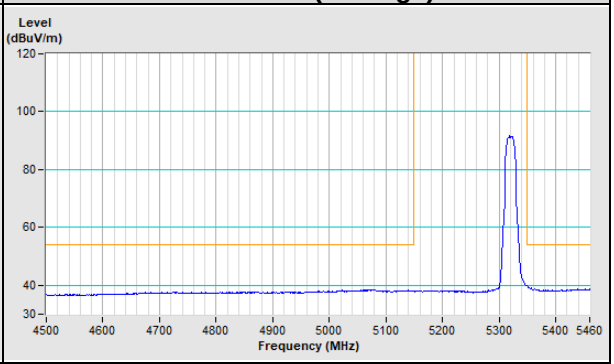


802.11a Channel 64

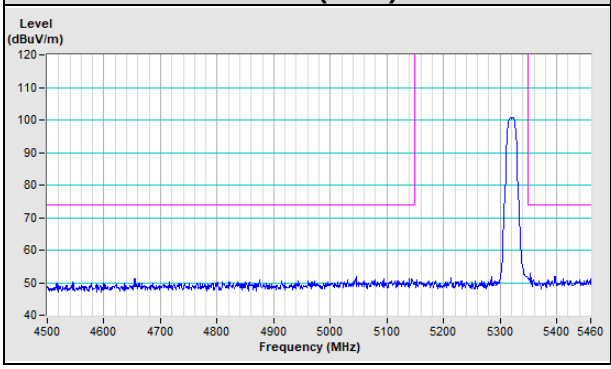
Horizontal (Peak)



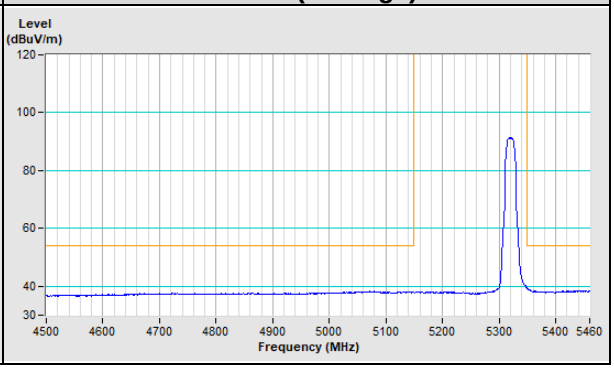
Horizontal (Average)

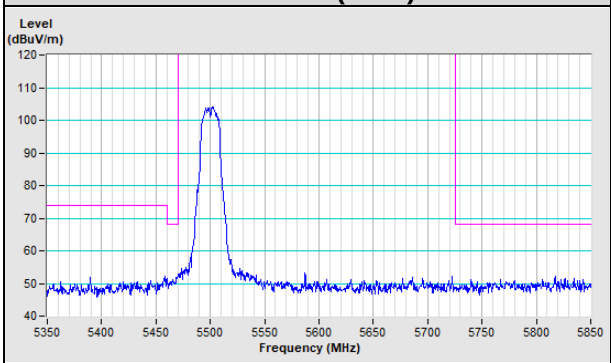
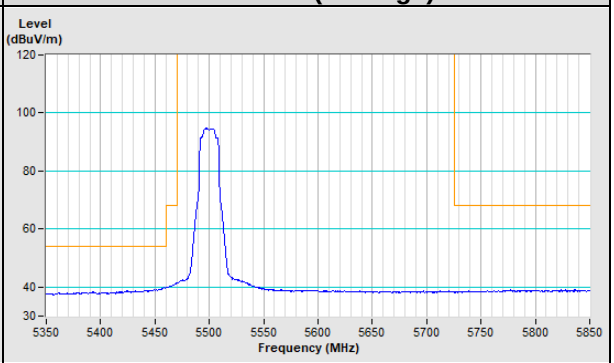
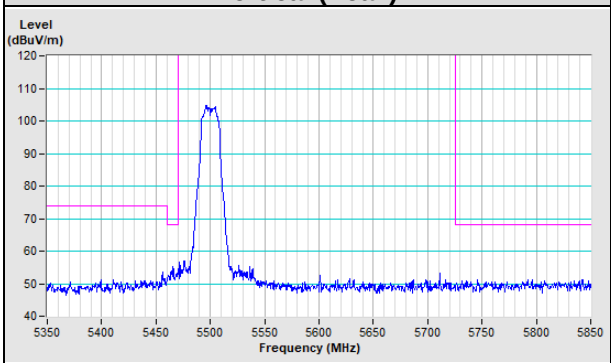
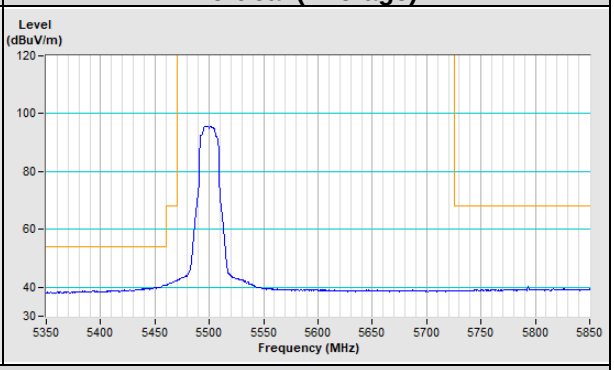
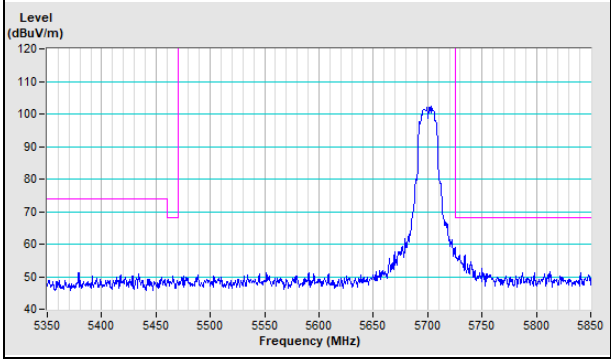
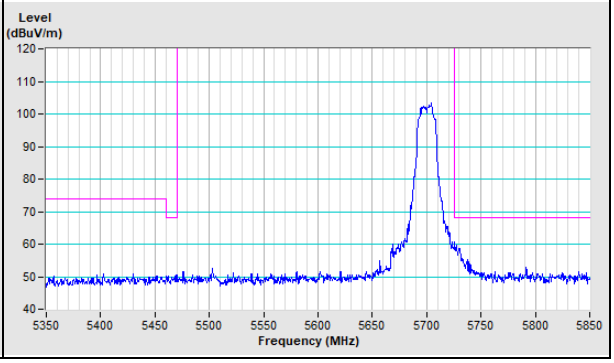


Vertical (Peak)



Vertical (Average)

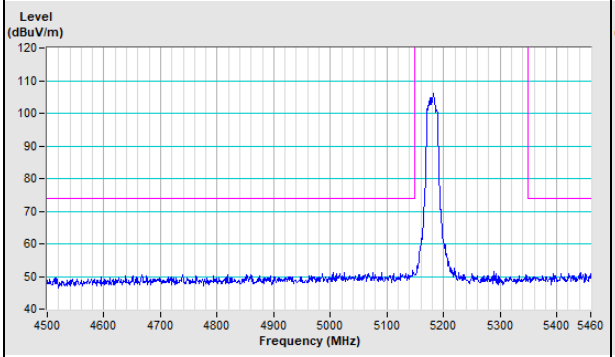


802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 140	
Horizontal (Peak)	Vertical (Peak)
	

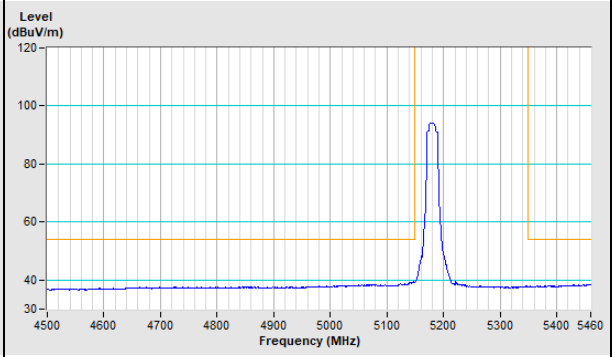
802.11ax (HE20)

802.11ax (HE20) Channel 36

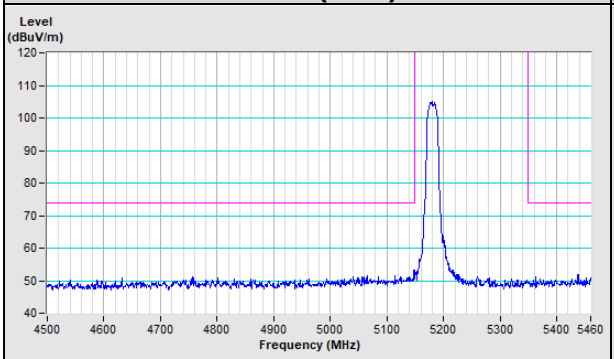
Horizontal (Peak)



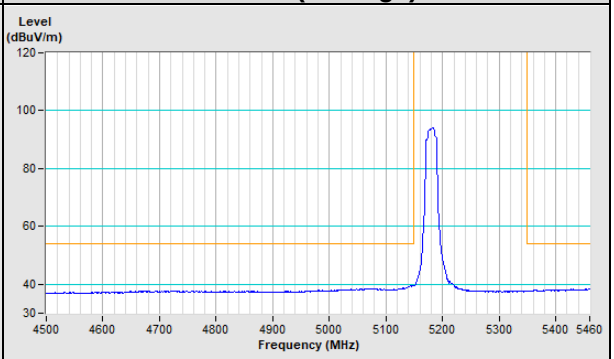
Horizontal (Average)



Vertical (Peak)

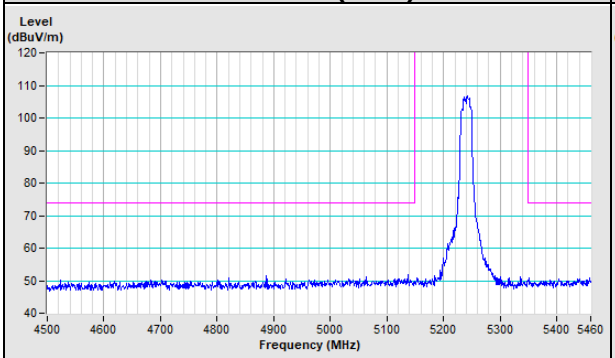


Vertical (Average)

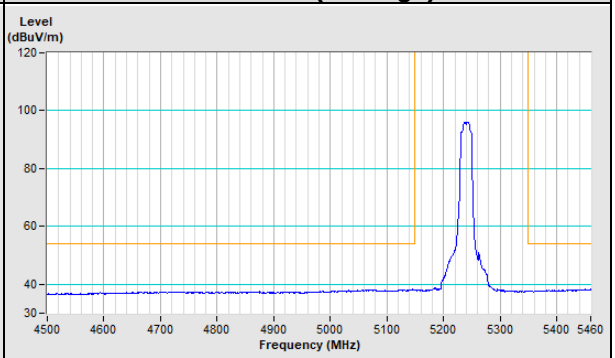


802.11ax (HE20) Channel 48

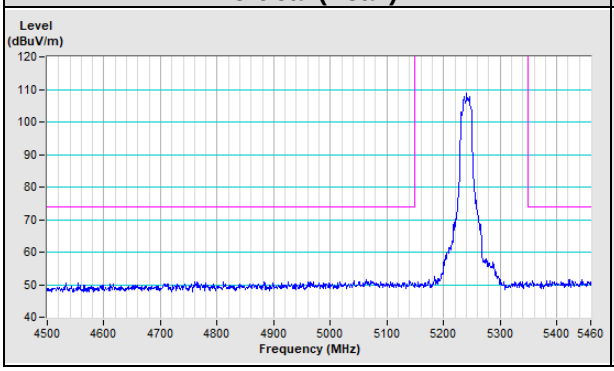
Horizontal (Peak)



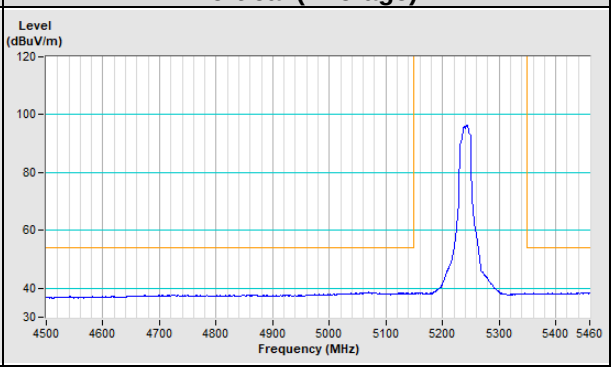
Horizontal (Average)



Vertical (Peak)

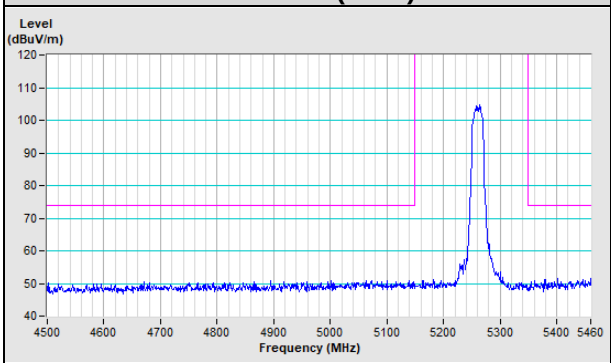


Vertical (Average)

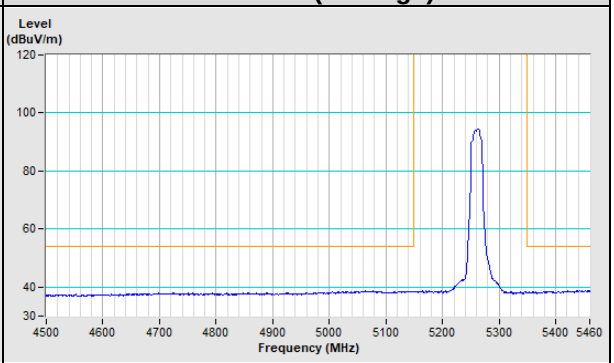


802.11ax (HE20) Channel 52

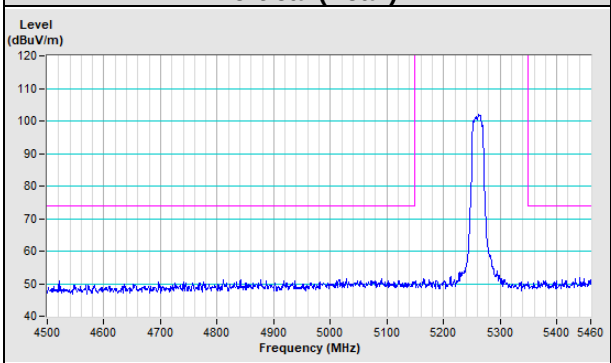
Horizontal (Peak)



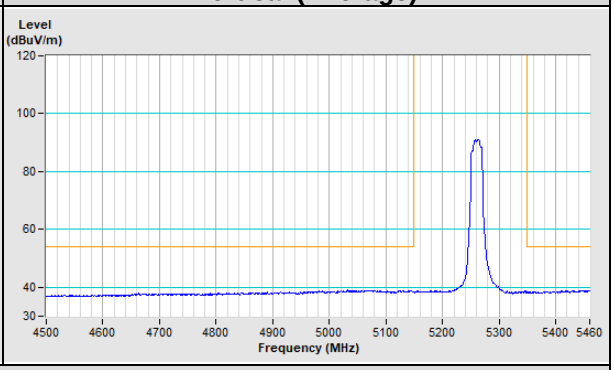
Horizontal (Average)



Vertical (Peak)

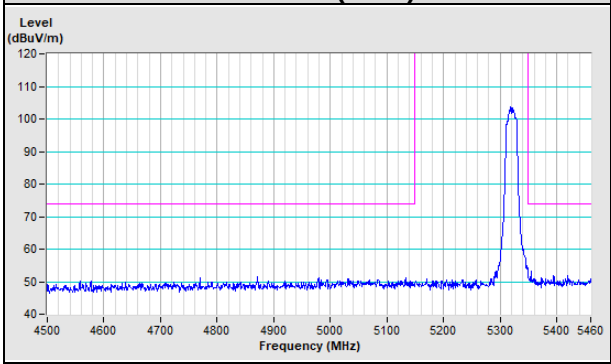


Vertical (Average)

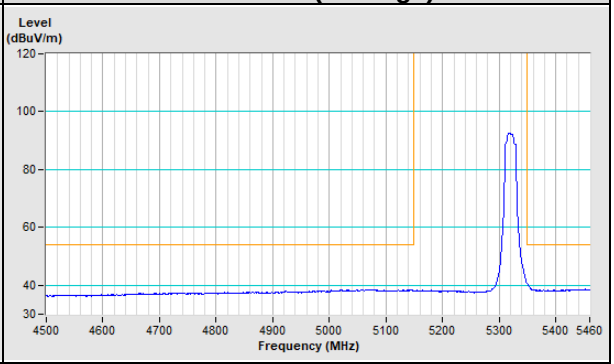


802.11ax (HE20) Channel 64

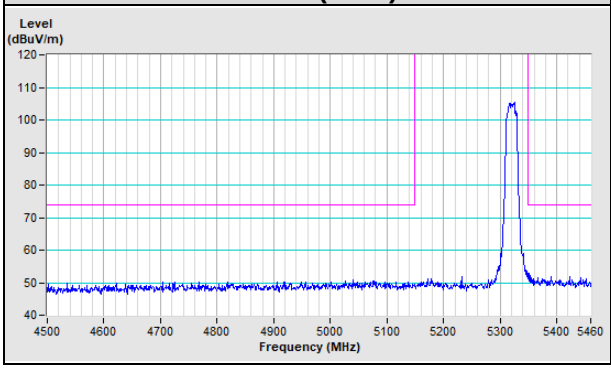
Horizontal (Peak)



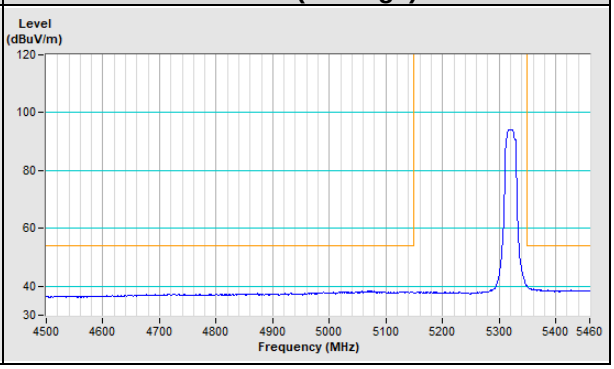
Horizontal (Average)



Vertical (Peak)

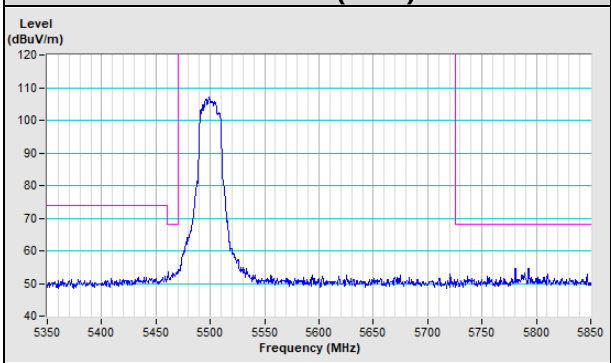


Vertical (Average)

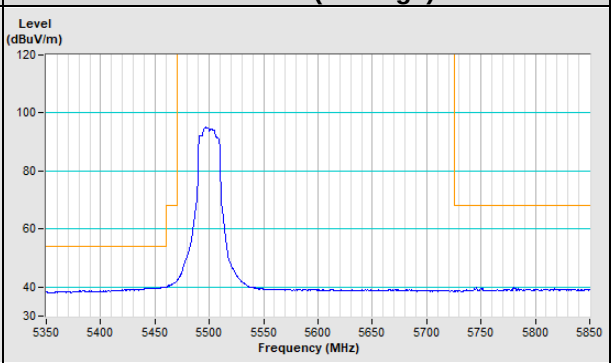


802.11ax (HE20) Channel 100

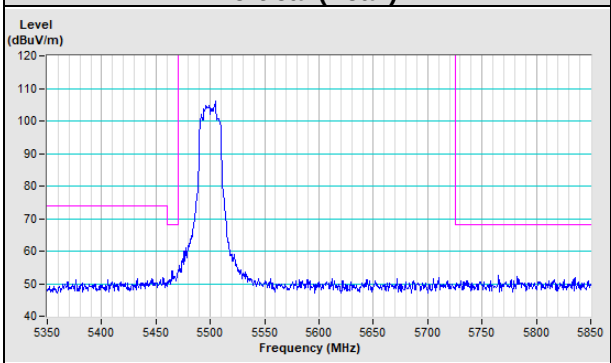
Horizontal (Peak)



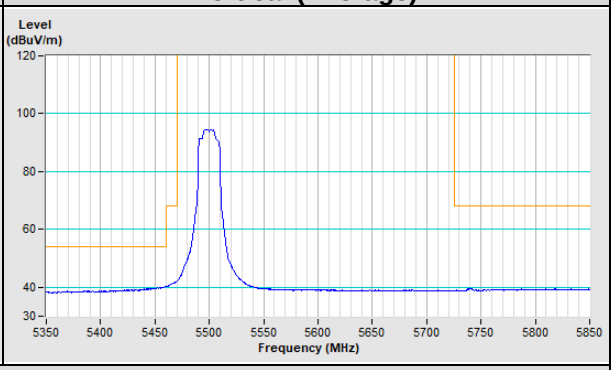
Horizontal (Average)



Vertical (Peak)

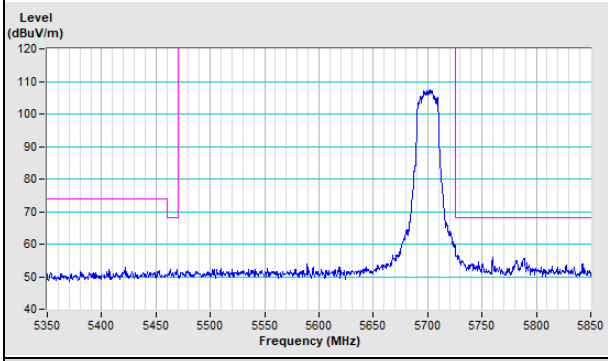


Vertical (Average)

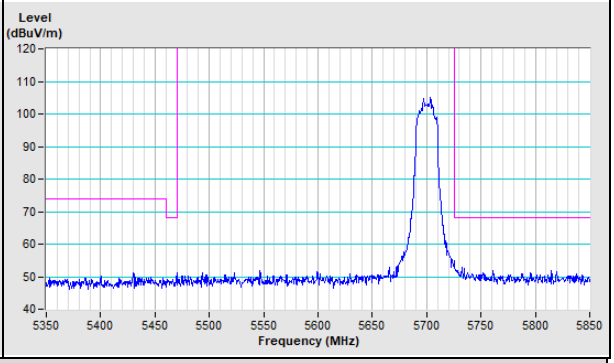


802.11ax (HE20) Channel 140

Horizontal (Peak)

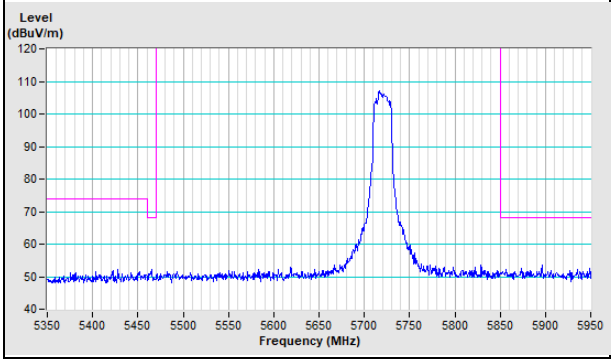


Vertical (Peak)

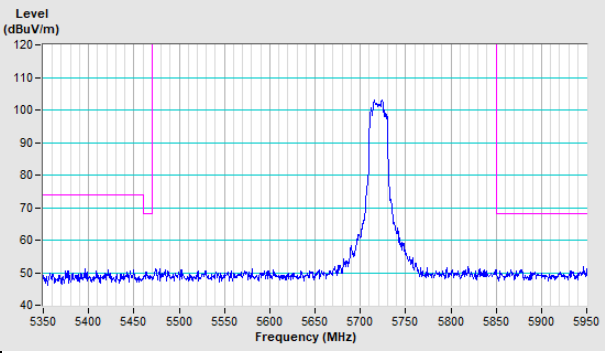


802.11ax (HE20) Channel 144

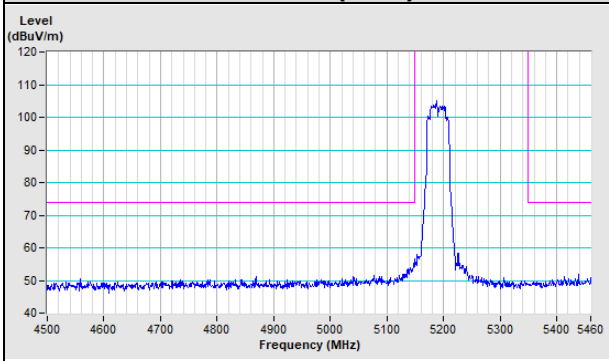
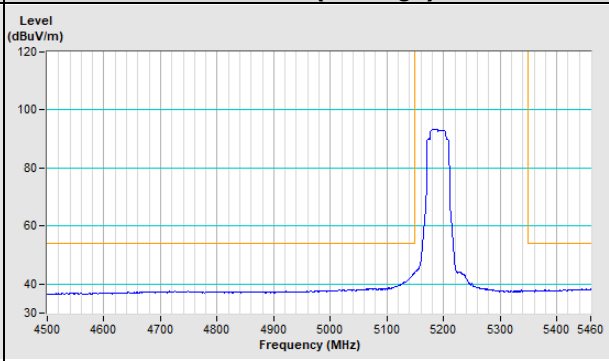
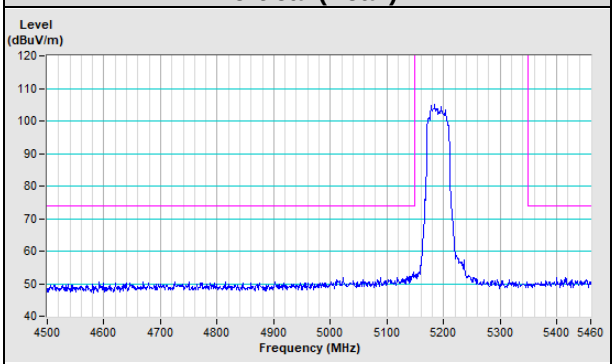
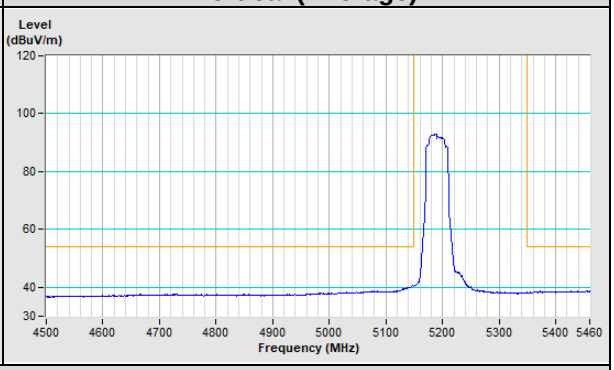
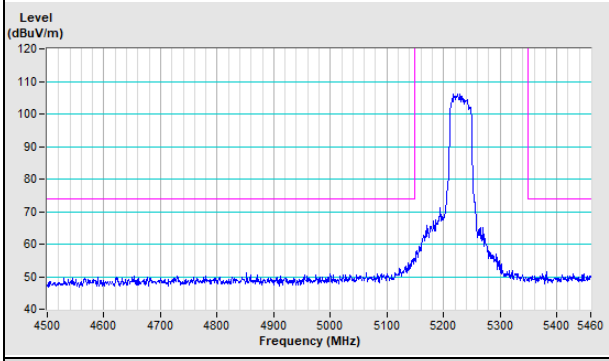
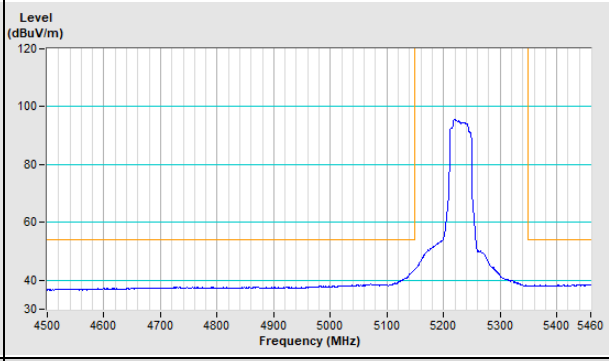
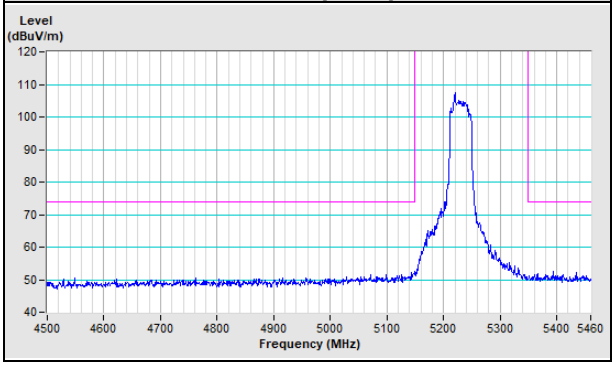
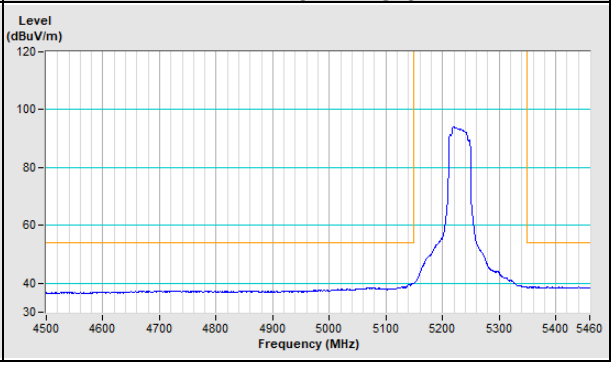
Horizontal (Peak)



Vertical (Peak)

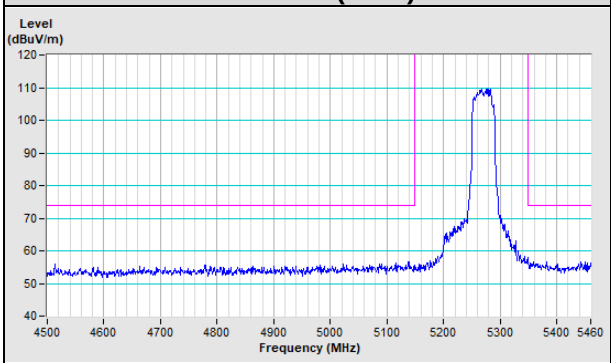


802.11ax (HE40)

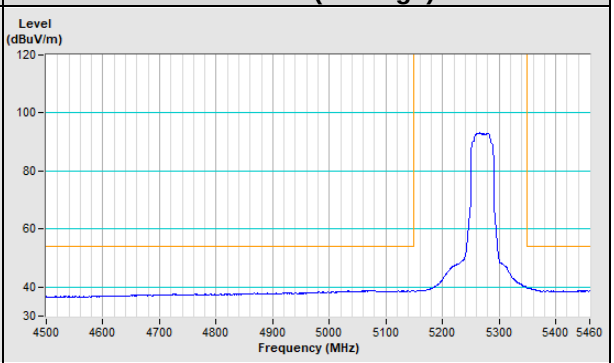
802.11ax (HE40) Channel 38	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE40) Channel 46	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE40) Channel 54

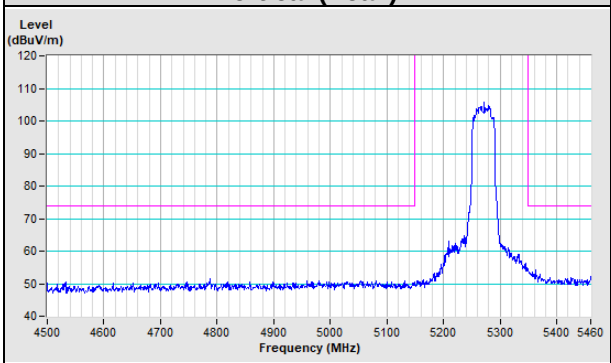
Horizontal (Peak)



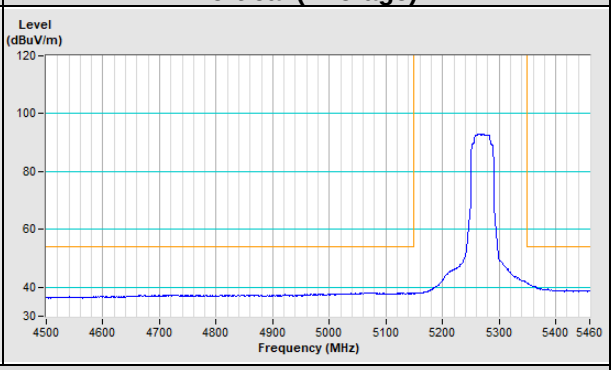
Horizontal (Average)



Vertical (Peak)

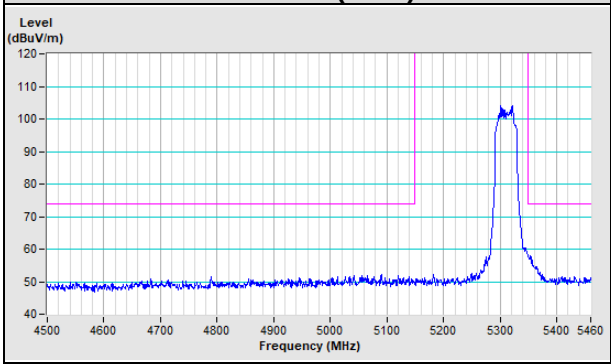


Vertical (Average)

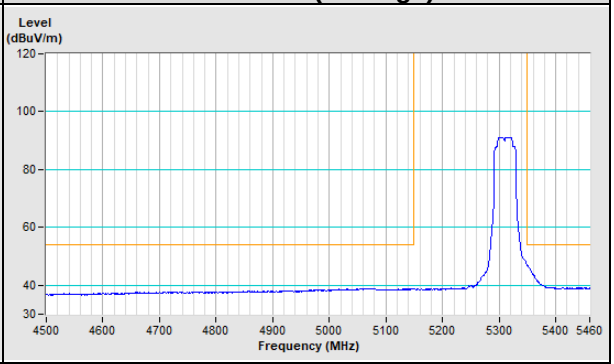


802.11ax (HE40) Channel 62

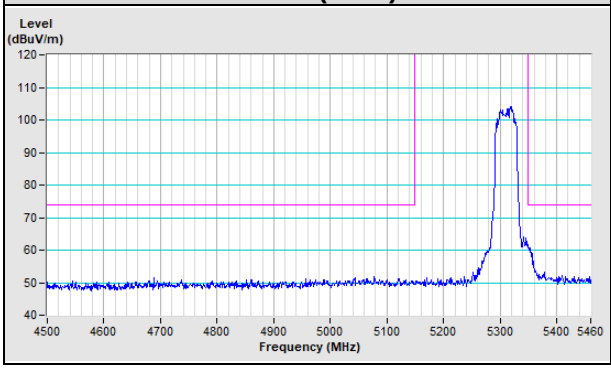
Horizontal (Peak)



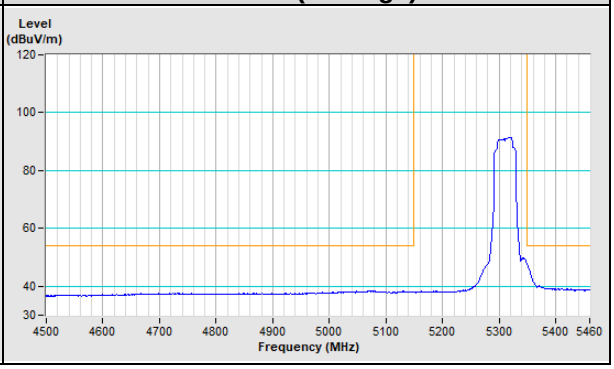
Horizontal (Average)



Vertical (Peak)

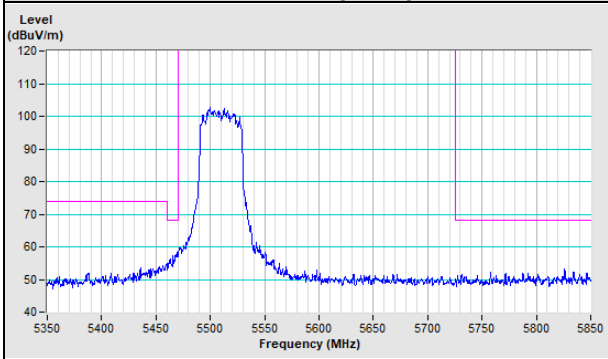


Vertical (Average)

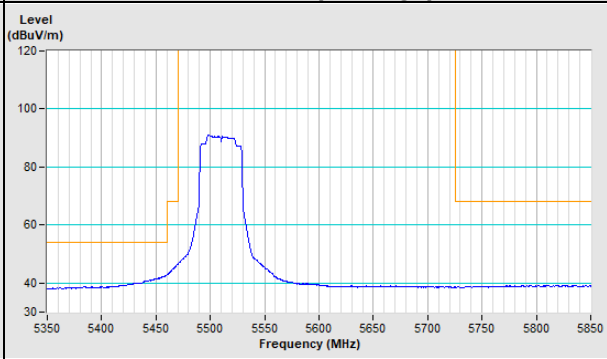


802.11ax (HE40) Channel 102

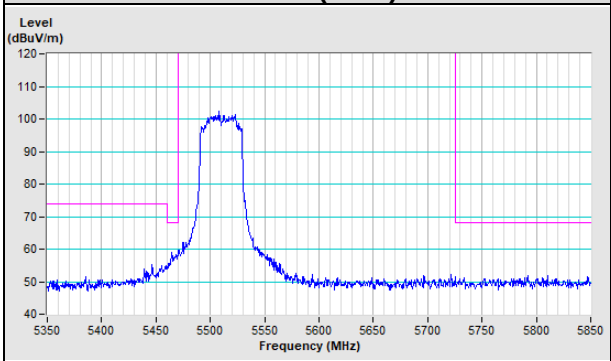
Horizontal (Peak)



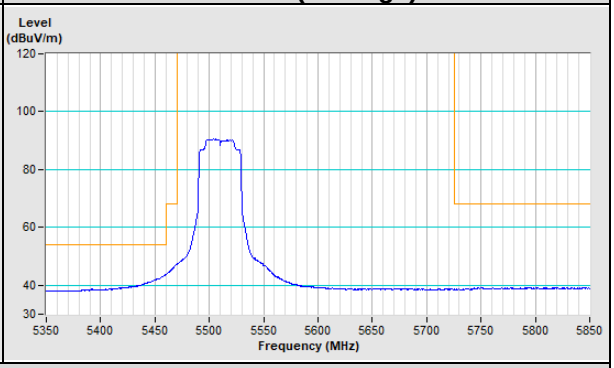
Horizontal (Average)



Vertical (Peak)

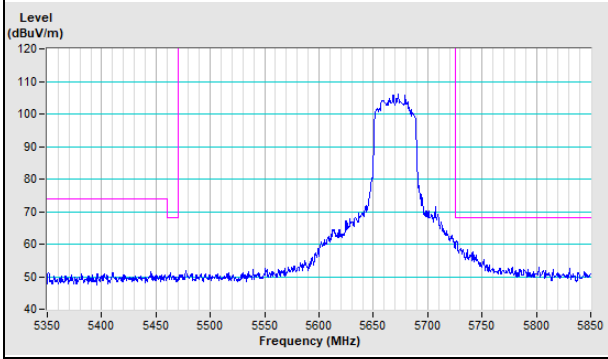


Vertical (Average)

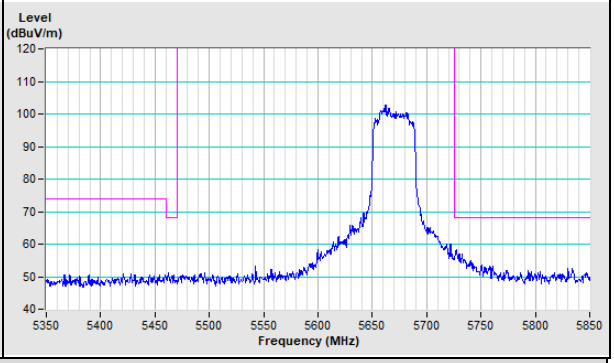


802.11ax (HE40) Channel 134

Horizontal (Peak)

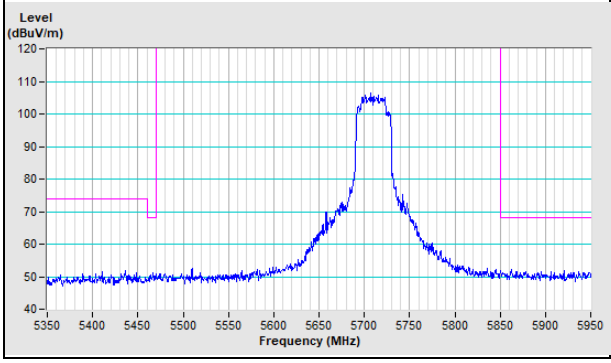


Vertical (Peak)

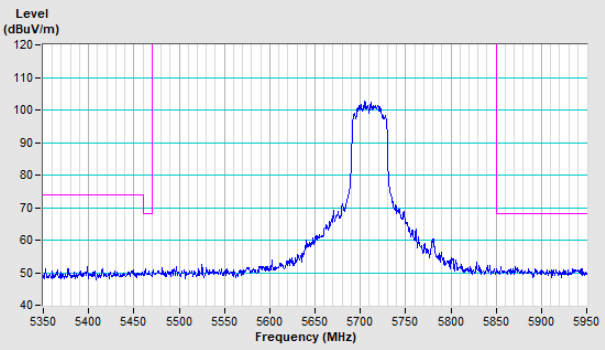


802.11ax (HE40) Channel 142

Horizontal (Peak)



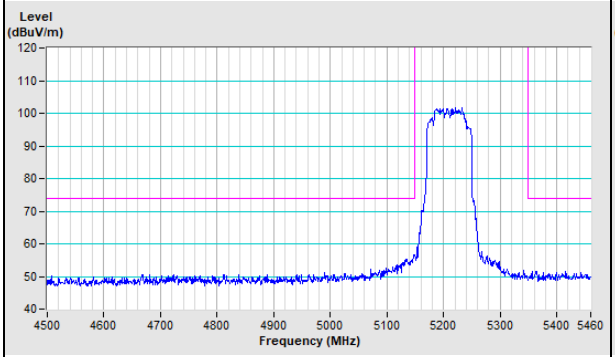
Vertical (Peak)



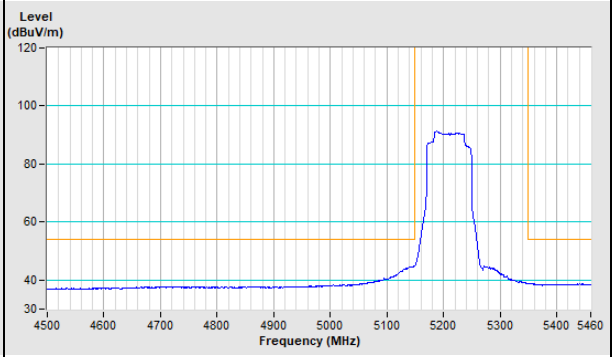
802.11ax (HE80)

802.11ax (HE80) Channel 42

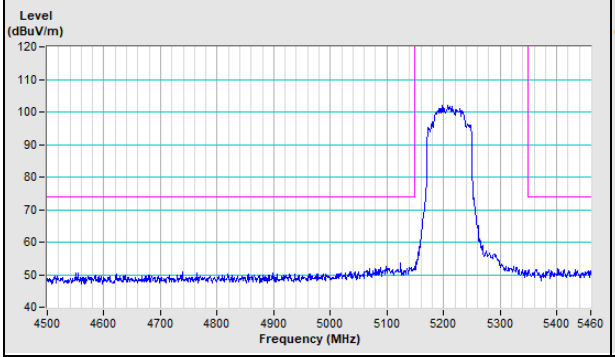
Horizontal (Peak)



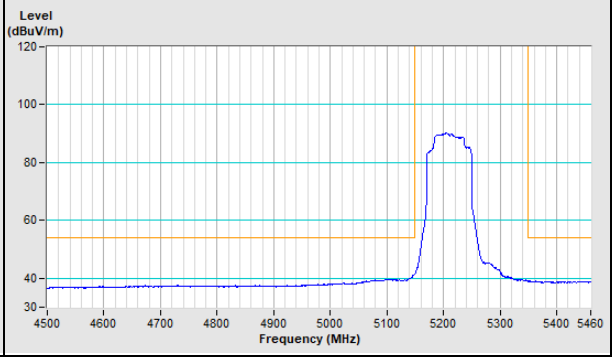
Horizontal (Average)



Vertical (Peak)

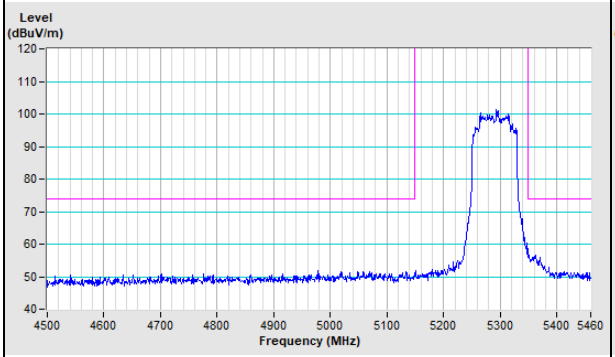


Vertical (Average)

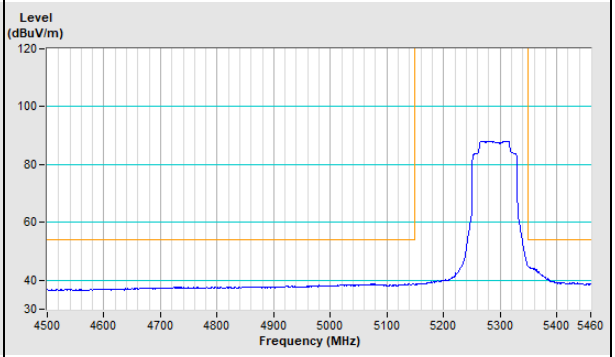


802.11ax (HE80) Channel 58

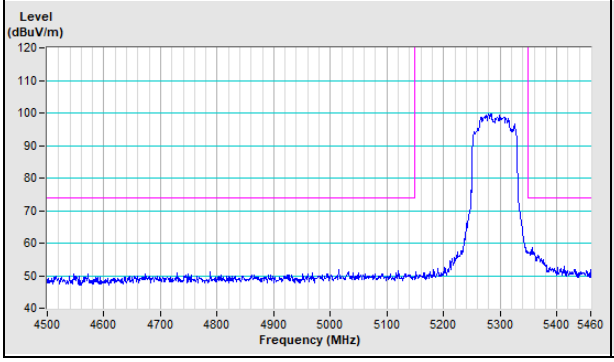
Horizontal (Peak)



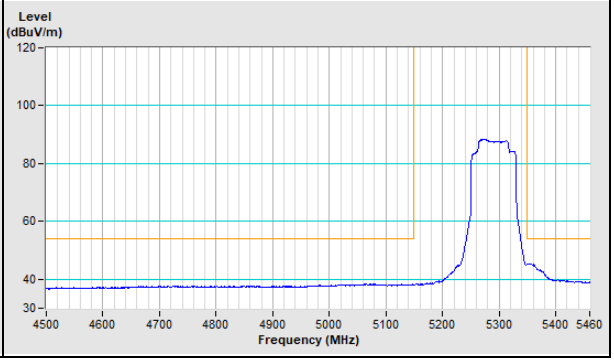
Horizontal (Average)

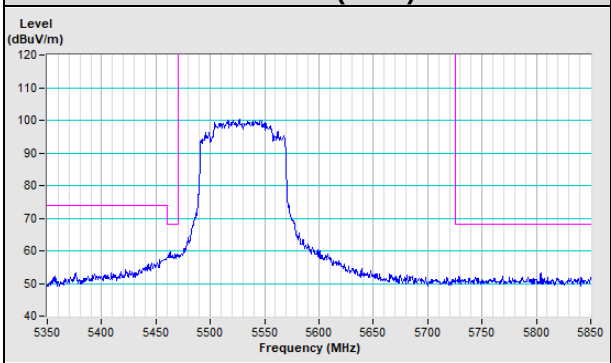
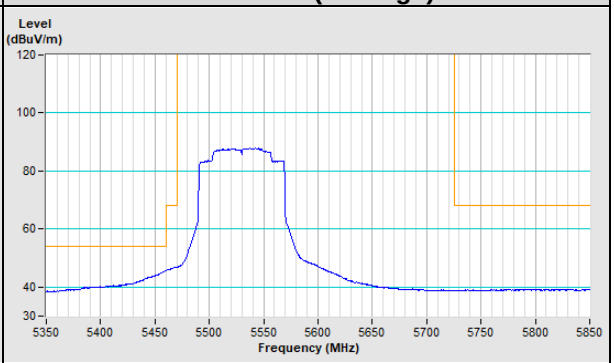
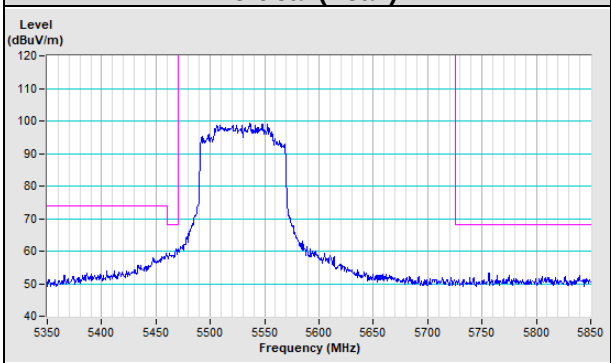
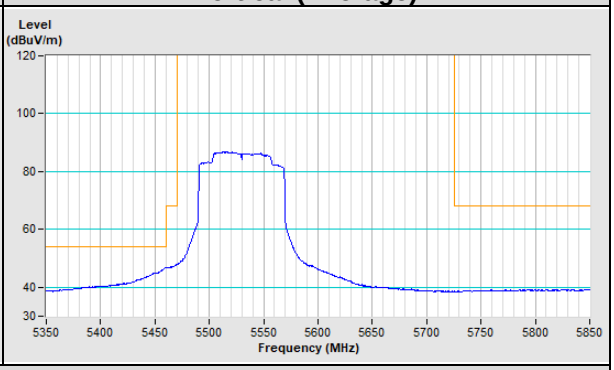
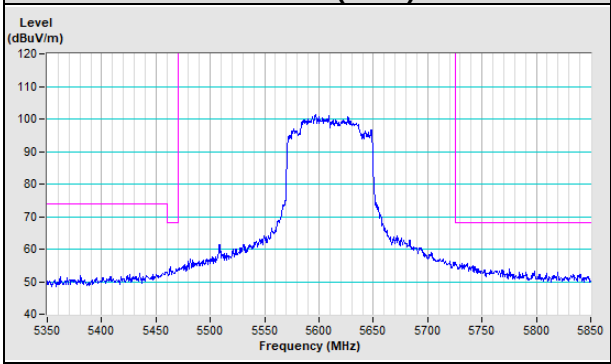
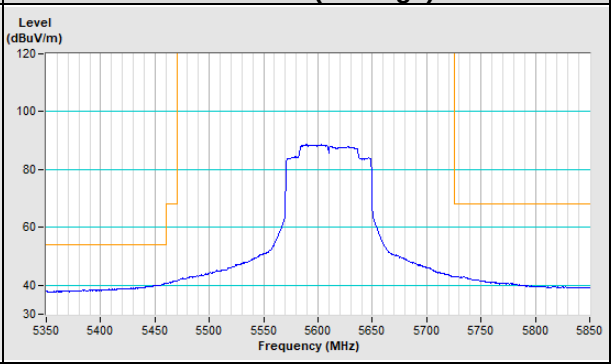
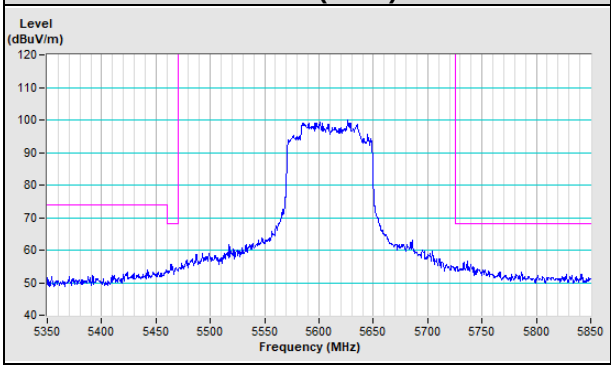
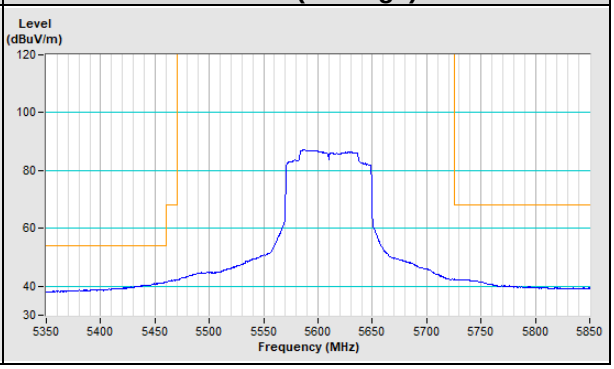


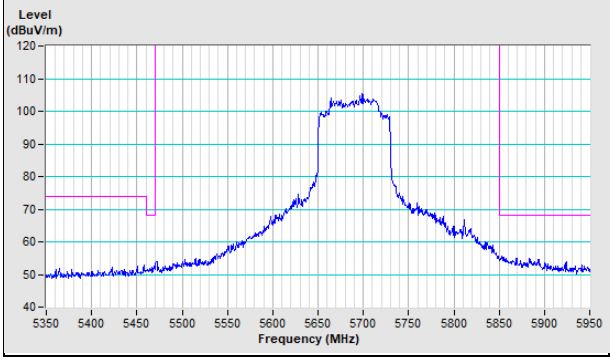
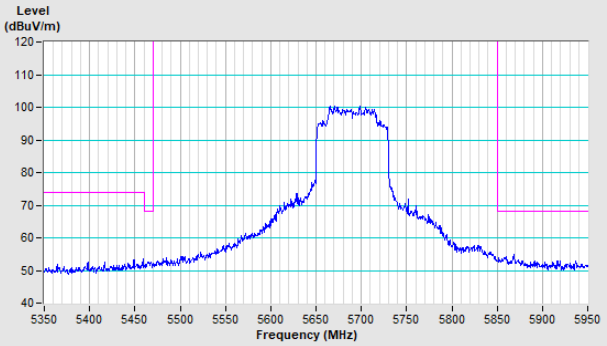
Vertical (Peak)



Vertical (Average)



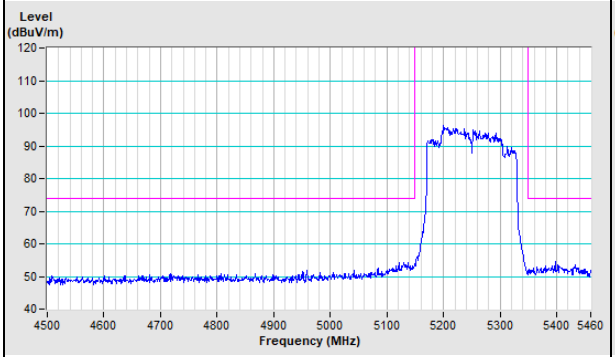
802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE80) Channel 122	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

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

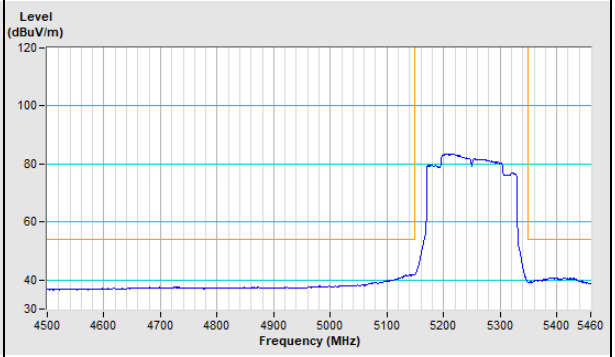
802.11ax (HE160)

802.11ax (HE160) Channel 50

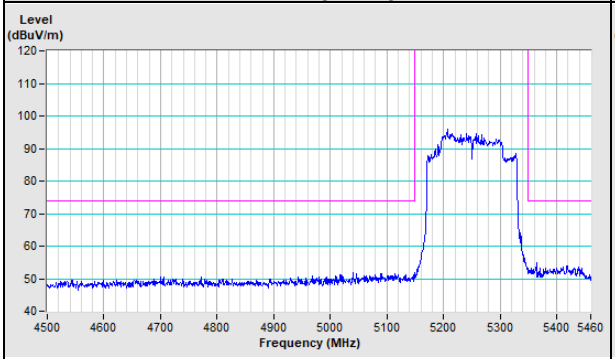
Horizontal (Peak)



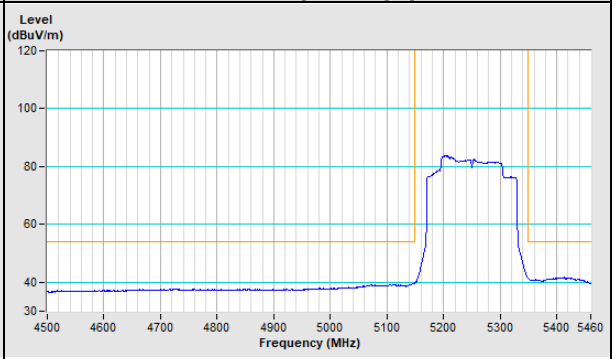
Horizontal (Average)



Vertical (Peak)

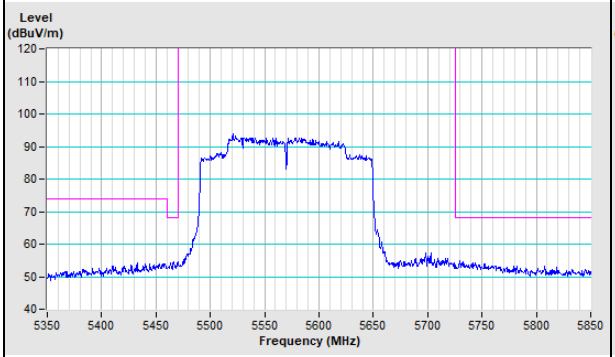


Vertical (Average)



802.11ax (HE160) Channel 114

Horizontal (Peak)



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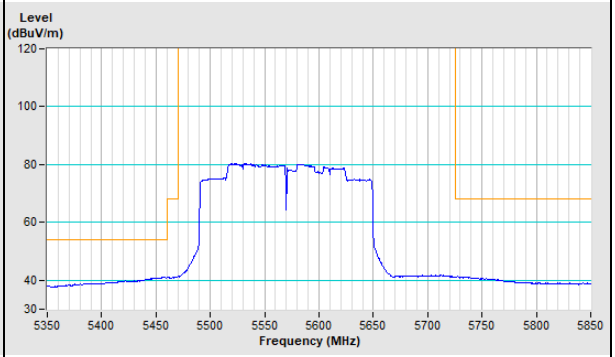
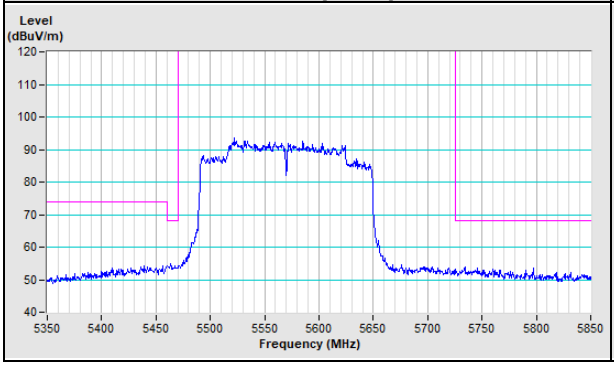
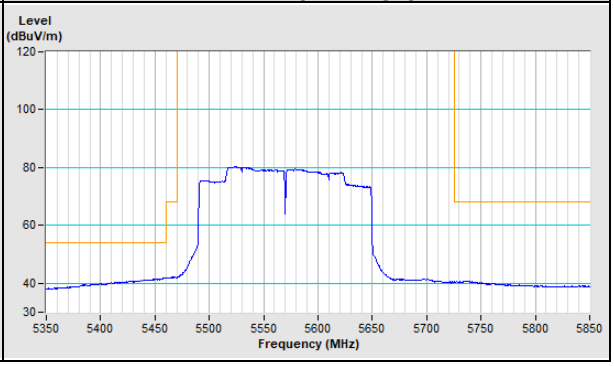


Vertical (Peak)



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

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