

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

Report No.: RFBDKG-WTW-P26060510-1

FCC ID: JNZVR0049

Product: Camera

Brand: Logitech, logi, logitech

Model No.: VR0049

Received Date: 2026/7/23

Test Date: 2026/7/24 ~ 2026/8/20

Issued Date: 2026/9/11

Applicant: Logitech Far East Ltd.

Address: #2 Creation Rd. 4, Science-Based Ind. Park Hsinchu Taiwan, R.O.C.

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

FCC Registration / 723255 / TW2022

Designation Number:

Approved by: _____, **Date:** 2026/9/11
May Chen / Manager

This test report consists of 123 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.



Prepared by: Vito Lung / Specialist

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Table of Contents

Release Control Record	4
1 Certificate.....	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	7
2.2 Supplementary Information	7
3 General Information	8
3.1 General Description of EUT	8
3.2 Antenna Description of EUT	9
3.3 Channel List	10
3.4 Test Mode Applicability and Tested Channel Detail	12
3.5 Duty Cycle of Test Signal	14
3.6 Test Program Used and Operation Descriptions	15
3.7 Connection Diagram of EUT and Peripheral Devices	15
3.8 Configuration of Peripheral Devices and Cable Connections	16
4 Test Instruments	17
4.1 26 dB Bandwidth	17
4.2 RF Output Power	17
4.3 Power Spectral Density	17
4.4 6 dB Bandwidth	17
4.5 Occupied Bandwidth	17
4.6 AC Power Conducted Emissions	18
4.7 Unwanted Emissions below 1 GHz	18
4.8 Unwanted Emissions above 1 GHz	19
5 Limits of Test Items	20
5.1 26 dB Bandwidth	20
5.2 RF Output Power	20
5.3 Power Spectral Density	20
5.4 6 dB Bandwidth	20
5.5 Occupied Bandwidth	20
5.6 AC Power Conducted Emissions	21
5.7 Unwanted Emissions below 1 GHz	21
5.8 Unwanted Emissions above 1 GHz	22
6 Test Arrangements	24
6.1 26 dB Bandwidth	24
6.1.1 Test Setup	24
6.1.2 Test Procedure	24
6.2 RF Output Power	25
6.2.1 Test Setup	25
6.2.2 Test Procedure	25
6.3 Power Spectral Density	26
6.3.1 Test Setup	26
6.3.2 Test Procedure	26
6.4 6 dB Bandwidth	27
6.4.1 Test Setup	27
6.4.2 Test Procedure	27
6.5 Occupied Bandwidth	27
6.5.1 Test Setup	27
6.5.2 Test Procedure	27
6.6 AC Power Conducted Emissions	28
6.6.1 Test Setup	28
6.6.2 Test Procedure	28
6.7 Unwanted Emissions below 1 GHz	29
6.7.1 Test Setup	29
6.7.2 Test Procedure	30

6.8	Unwanted Emissions above 1 GHz.....	31
6.8.1	Test Setup	31
6.8.2	Test Procedure	31
7	Test Results of Test Item	32
7.1	26 dB Bandwidth	32
7.2	RF Output Power.....	36
7.3	Power Spectral Density	41
7.4	6 dB Bandwidth	46
7.5	Occupied Bandwidth.....	48
7.6	AC Power Conducted Emissions	53
7.7	Unwanted Emissions below 1 GHz	55
7.8	Unwanted Emissions above 1 GHz.....	57
8	Pictures of Test Arrangements	122
9	Information of the Testing Laboratories	123

Release Control Record

Issue No.	Description	Date Issued
RFBDKG-WTW-P26060510-1	Original release.	2026/9/11

1 Certificate

Product: Camera

Brand: Logitech, logi, logitech

Test Model: VR0049

Sample Status: Engineering sample

Applicant: Logitech Far East Ltd.

Test Date: 2026/7/24 ~ 2026/8/20

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

**Measurement
procedure:** ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024
KDB 789033 D02 General UNII Test Procedure New Rules v02r01

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.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	N/A	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -5.13 dB at 0.40391 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.8 dB at 272.01 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -4.1 dB at 5150.00 MHz and 5350.00 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The "Dynamic Frequency Selection measurement" was recorded in DFS test report.

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	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	1050.00 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Occupied Bandwidth	-	1050.00 Hz
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Camera
Brand	Logitech, logi, logitech
Test Model	VR0049
Status of EUT	Engineering sample
Power Supply Rating	56 Vdc from POE Adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 150 Mbps 802.11ac: up to 433.3 Mbps 802.11ax: up to 600.4 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Partial RU Mode	Not support
Channel Puncturing	Not support
Output Power	5.18 GHz ~ 5.24 GHz: 44.259 mW (16.46 dBm) 5.26 GHz ~ 5.32 GHz: 48.529 mW (16.86 dBm) 5.5 GHz ~ 5.72 GHz: 42.56 mW (16.29 dBm) 5.745 GHz ~ 5.825 GHz: 31.55 mW (14.99 dBm)
EUT Category	Client device

Note:

1. The EUT may have a lot of colors for marketing requirements.
2. The EUT uses following accessories.

Item	Brand	Model	Part Number	Specification
POE Adapter	logi	P060U09BT	534-001019	AC Input: 100-240V, 50/60Hz, 1.7A DC Output: 56.0V, 1.07A, 60W
Type C cable	logi	Z00053	502-001620	Signal Line: shielded, 2m
RJ45 cable	-	-	502-001621	Signal Line: shielded, 3m
power cable	-	-	-	Signal Line: unshielded, 1m

3. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technology cannot transmit at same time.
4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type
1	0	3.22	2.4~2.4835	PIFA
		4.68	5.15~5.85	

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a SISO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	1TX	1RX
802.11n (HT20)	1TX	1RX
802.11n (HT40)	1TX	1RX
802.11ac (VHT20)	1TX	1RX
802.11ac (VHT40)	1TX	1RX
802.11ac (VHT80)	1TX	1RX
802.11ax (HE20)	1TX	1RX
802.11ax (HE40)	1TX	1RX
802.11ax (HE80)	1TX	1RX

Note:

- After investigation, 802.11ax mode 20 MHz (40 MHz, 80 MHz) represents the worst mode in the report since the power setting is the same or higher than 802.11n mode 20 MHz (40 MHz) and 802.11ac mode 20 MHz (40 MHz, 80 MHz), and the modulation type and bandwidth are all similar.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. 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:

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ax (HE20)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)	58, 106, 122, 138	BPSK	MCS0
RF Output Power	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
Power Spectral Density	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
6 dB Bandwidth	802.11a	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
AC Power Conducted Emissions	802.11ax (HE20)	52	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE20)	52	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0

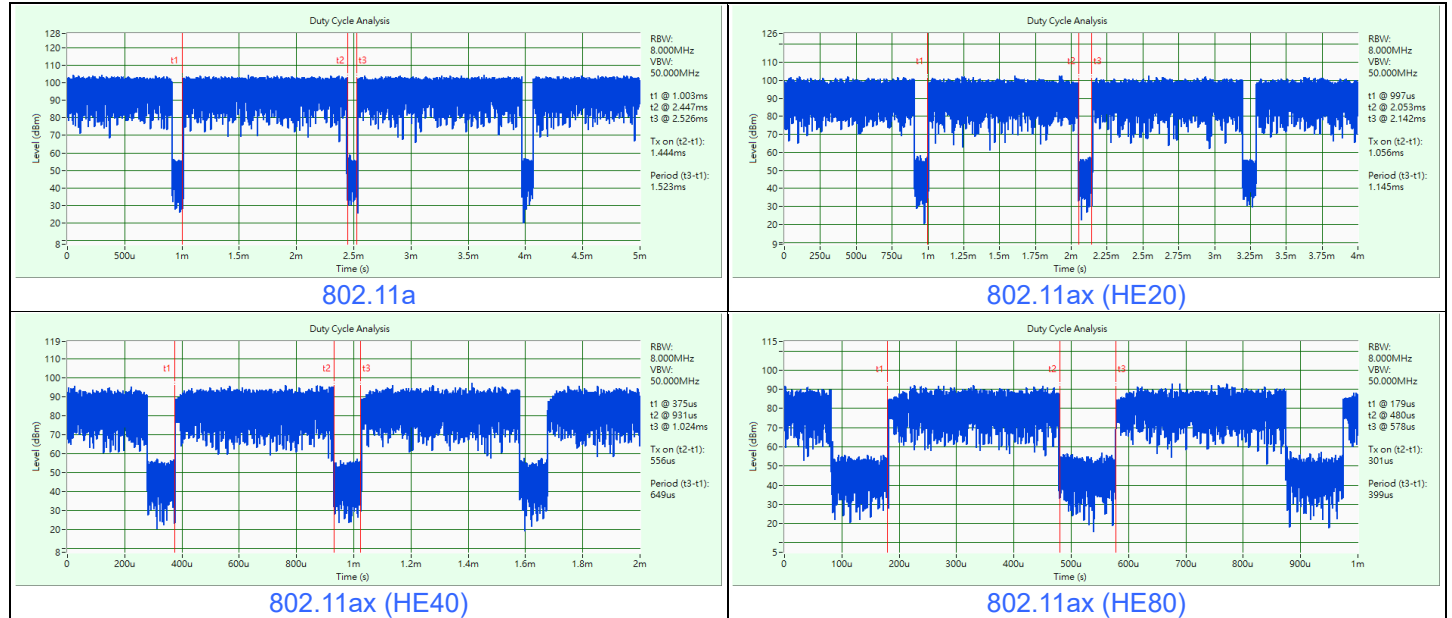
3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = $1.444 \text{ ms} / 1.523 \text{ ms} \times 100\% = 94.8\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.23 \text{ dB}$

802.11ax (HE20): Duty cycle = $1.056 \text{ ms} / 1.145 \text{ ms} \times 100\% = 92.2\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.35 \text{ dB}$

802.11ax (HE40): Duty cycle = $0.556 \text{ ms} / 0.649 \text{ ms} \times 100\% = 85.7\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.67 \text{ dB}$

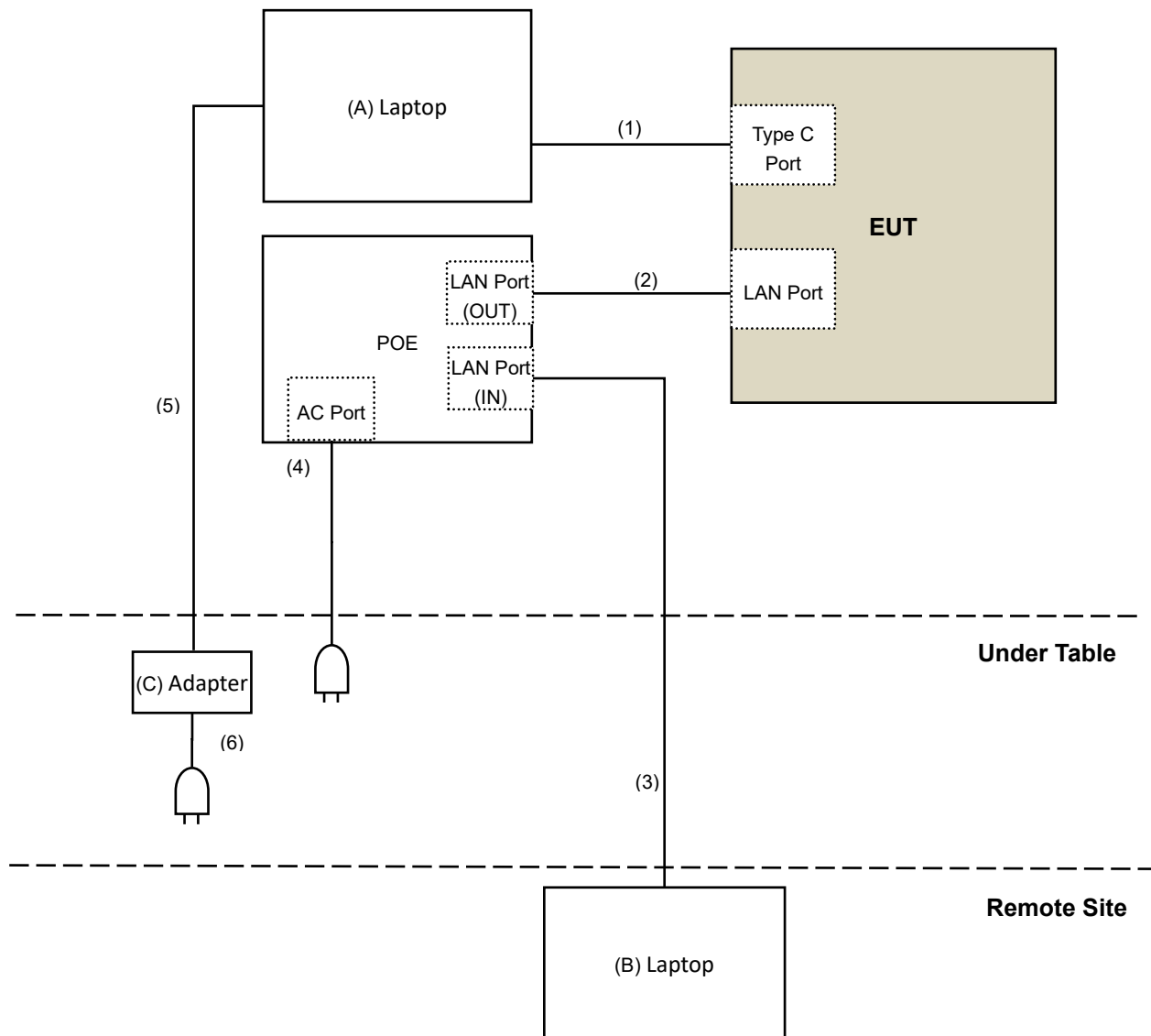
802.11ax (HE80): Duty cycle = $0.301 \text{ ms} / 0.399 \text{ ms} \times 100\% = 75.4\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 1.22 \text{ dB}$



3.6 Test Program Used and Operation Descriptions

Controlling software (Tera Term Version 5.6.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
B	Laptop	DELL	E6230	G94PSY1	N/A	Provided by Lab
C	Adapter	Lenovo	ADLX65YDC3D	SA10R16969	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Type C cable	1	2	YES	0	Supplied by applicant
2	RJ-45 Cable	1	3	YES	0	Supplied by applicant
3	RJ-45 Cable	1	10	NO	0	Provided by Lab
4	AC Power Cable	1	1	NO	0	Supplied by applicant
5	DC Cable	1	1.8	NO	0	Provided by Lab
6	AC Power Cable	1	1	NO	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030A	MY55330160	2026/1/20	2027/1/19
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/8/13

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
	00800A1K01A-20	00800A1K01A-20-02	2026/5/21	2027/5/20
Pulse Power Sensor Anritsu	MA2411B	1726433	2026/5/8	2027/5/7
PXA Signal Analyzer Keysight	N9030A	MY55330160	2026/1/20	2027/1/19
RF Power Meter Anritsu	ML2496A	1529003	2026/6/15	2027/6/14
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/8/13

4.3 Power Spectral Density

Refer to section 4.1 to get the tested date and information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2025/10/29	2026/10/28
EMI Test Receiver R&S	ESCS 30	100375	2026/5/20	2027/5/19
Fixed Attenuator STI	STI02-2200-10	005	2026/2/9	2027/2/8
LISN R&S	ESH3-Z5	835239/001	2026/3/30	2027/3/29
		848773/004	2025/10/3	2026/10/2
RF Coaxial Cable JYBAO	5D-FB	COCCAB-001	2026/2/9	2027/2/8
Software BVADT	BVADT_Conc_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Conduction 1(Hsinchu).
2. Tested Date: 2026/8/20

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0942	2025/9/16	2026/9/15
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-01	2026/4/12	2027/4/11
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXA Signal Analyzer Keysight	N9020B	MY60112410	2026/3/26	2027/3/25
MXE EMI Receiver Keysight	N9038A	MY55420137	2026/3/26	2027/3/25
Preamplifier EMCI	EMC330N	980852	2026/1/31	2027/1/30
RF Coaxial Cable PEWC	8D	966-6-1	2026/4/12	2027/4/11
		966-6-2	2026/4/12	2027/4/11
		966-6-3	2026/4/12	2027/4/11
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 6(Hsinchu).
2. Tested Date: 2026/8/13

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-2035	2025/11/9	2026/11/8
	BBHA 9170	BBHA9170519	2025/11/9	2026/11/8
MXA Signal Analyzer Keysight	N9020B	MY60112410	2026/3/26	2027/3/25
MXE EMI Receiver Keysight	N9038A	MY55420137	2026/3/26	2027/3/25
Preamplifier EMCI	EMC12630SE	980385	2026/5/23	2027/5/22
	EMC184045SE	980387	2025/8/7 2026/8/5	2026/8/6 2027/8/4
RF Coaxial Cable EMCI	EMC104-SM-SM-1300	210205	2026/5/23	2027/5/22
	EMC104-SM-SM-2000	210203	2026/5/23	2027/5/22
	EMC104-SM-SM-8000	221015	2026/5/23	2027/5/22
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 6(Hsinchu).
2. Tested Date: 2026/7/24 ~ 2026/8/14

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Points	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Client devices	250mW (24 dBm)

Operation Band	Limit
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

5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Points	
	Indoor Access Point	
	Client devices	11 dBm/MHz

Operation Band	Limit
U-NII-2A	11 dBm/MHz
U-NII-2C	11 dBm/MHz
U-NII-3	30 dBm/500 kHz

5.4 6 dB Bandwidth

Within the 5.725-5.850 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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.

5.7 Unwanted Emissions below 1 GHz

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

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

5.8 Unwanted Emissions above 1 GHz

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)
Above 960	500	3

Notes:

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

Limits of unwanted emission out of the restricted bands

Applicable To	Limit	
789033 D02 General UNII Test Procedure New Rules v02r01	Field Strength at 3 m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)

For transmitters operating in the 5.15-5.25 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.25-5.35 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.47-5.725 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*1} PK: 10 (dBm/MHz) ^{*2} PK: 15.6 (dBm/MHz) ^{*3} PK: 27 (dBm/MHz) ^{*4}	PK: 68.2 (dBμV/m) ^{*1} PK: 105.2 (dBμV/m) ^{*2} PK: 110.8 (dBμV/m) ^{*3} PK: 122.2 (dBμV/m) ^{*4}
^{*1} beyond 75 MHz or more above of the band edge. ^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. ^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. ^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

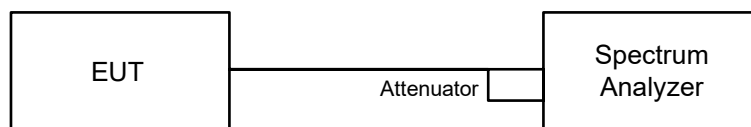
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



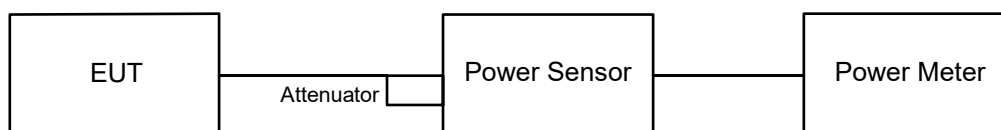
Note: The correction factor has already been compensated by the instrument.

6.1.2 Test Procedure

- a. Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = peak.
- d. Trace mode = max-hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

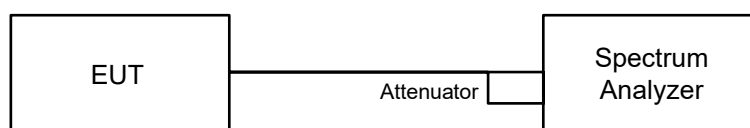
6.2 RF Output Power

6.2.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

For channel straddling:



Note: The correction factor has already been compensated by the instrument.

6.2.2 Test Procedure

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 and set the detector to average. Duty factor is not added to measured value.

For channel straddling:

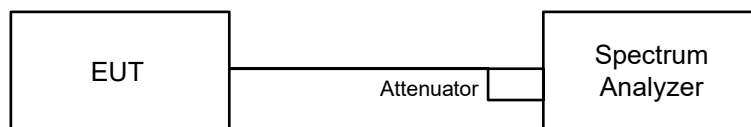
Method SA-2A

- a. Measure the duty cycle of the transmitter output signal.
- b. Set span to encompass the entire 99% OBW of the signal.
- c. Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- d. Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- e. Manually set sweep time $\geq [10 \times (\text{number of points in sweep}) \times (\text{total ON/OFF period of the transmitted signal})]$.
- f. Perform a single sweep.
- g. Compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band-power measurement function with band limits set equal to the OBW band-edges. If the instrument does not have a band-power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 99% OBW of the spectrum.
- h. Record the max value and add $10 \log (1/\text{duty cycle})$.

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the 99% OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-2

- Measure the duty cycle of the transmitter output signal.
- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add $10 \log (1/\text{duty cycle})$.

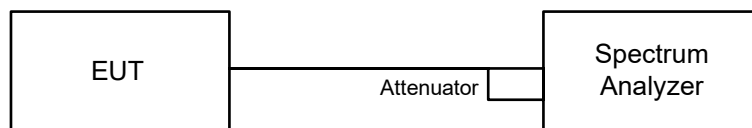
For specified measurement bandwidth 500 kHz:

Method SA-2

- Measure the duty cycle of the transmitter output signal.
- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS.
- Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add $10 \log (1/\text{duty cycle})$.

6.4 6 dB Bandwidth

6.4.1 Test Setup



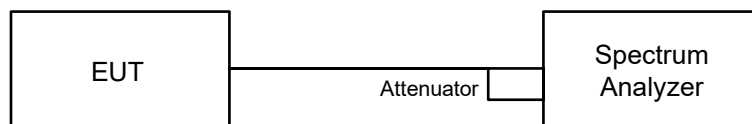
Note: The correction factor has already been compensated by the instrument.

6.4.2 Test Procedure

- Set RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.5 Occupied Bandwidth

6.5.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

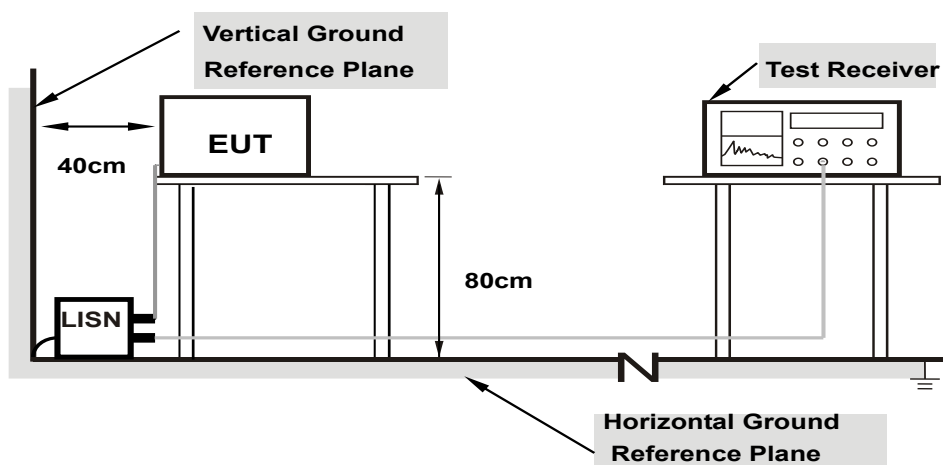
6.5.2 Test Procedure

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, without going below the values in section 6.9.1 of ANSI C63.10a-2024 and video bandwidth (VBW) shall be at least three times RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level.
- Step a) through step c) might require iteration to adjust within the specified range.
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
- Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



Note: 1.Support units were connected to second LISN.

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

6.6.2 Test Procedure

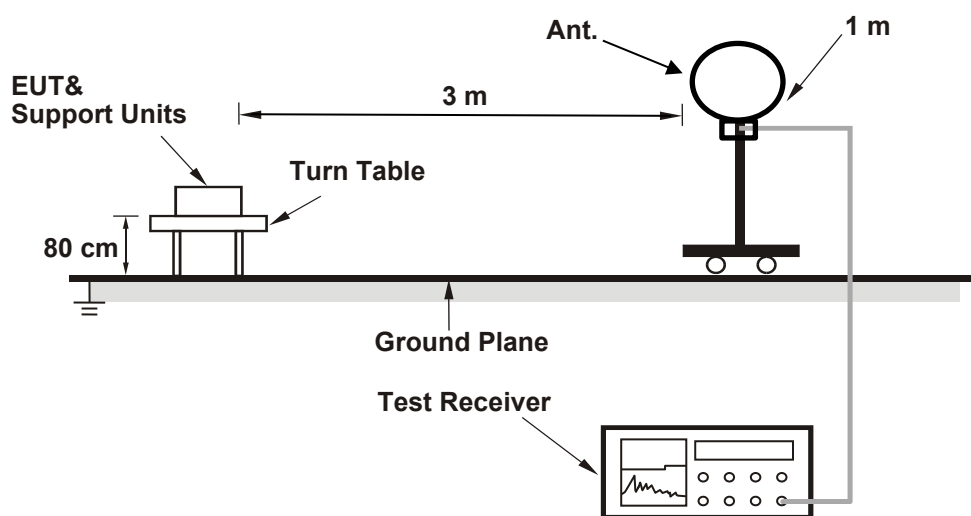
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The EUT was placed on a 0.8 meter to the top of table and 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/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

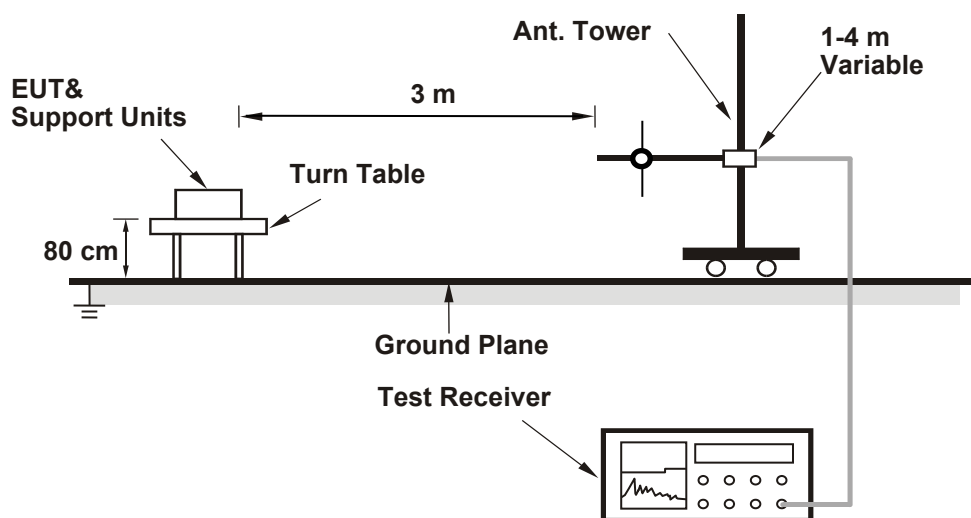
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

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 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. 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 (however, peak detector measurements may be used to determine compliance with QP requirements), except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

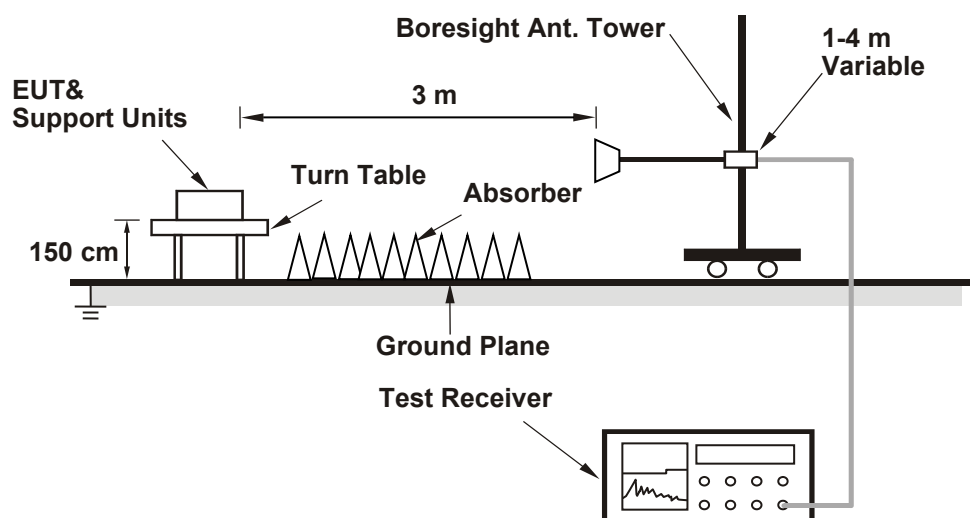
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequencies less than or equal to 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz (however, peak detector measurements may be used to determine compliance with QP requirements).
2. All modes of operation were investigated and the worst-case emissions are reported.

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to peak and average detects 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.

Notes:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
- For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 69% RH	Tested By:	Chris Lin
--------------	----------------	---------------------------	--------------	------------	-----------

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	23.76
60	5300	23.48
64	5320	20.81
100	5500	20.85
116	5580	22.56
140	5700	20.84
144 (U-NII-2C)	5720	15.45
144 (U-NII-3)	5720	7.9

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	23.76	24.75	>	24
60	5300	23.48	24.7	>	24
64	5320	20.81	24.18	>	24
100	5500	20.85	24.19	>	24
116	5580	22.56	24.53	>	24
140	5700	20.84	24.18	>	24
144 (U-NII-2C)	5720	15.45	22.88	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	26.28
60	5300	24.55
64	5320	20.92
100	5500	20.96
116	5580	22.23
140	5700	20.98
144 (U-NII-2C)	5720	15.43
144 (U-NII-3)	5720	7.85

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	26.28	25.19	>	24
60	5300	24.55	24.9	>	24
64	5320	20.92	24.2	>	24
100	5500	20.96	24.21	>	24
116	5580	22.23	24.46	>	24
140	5700	20.98	24.21	>	24
144 (U-NII-2C)	5720	15.43	22.88	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
54	5270	43.13
62	5310	39.59
102	5510	39.47
110	5550	43.5
134	5670	39.63
142 (U-NII-2C)	5710	36.49
142 (U-NII-3)	5710	9.62

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	43.13	27.34	>	24
62	5310	39.59	26.97	>	24
102	5510	39.47	26.96	>	24
110	5550	43.50	27.38	>	24
134	5670	39.63	26.98	>	24
142 (U-NII-2C)	5710	36.49	26.62	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

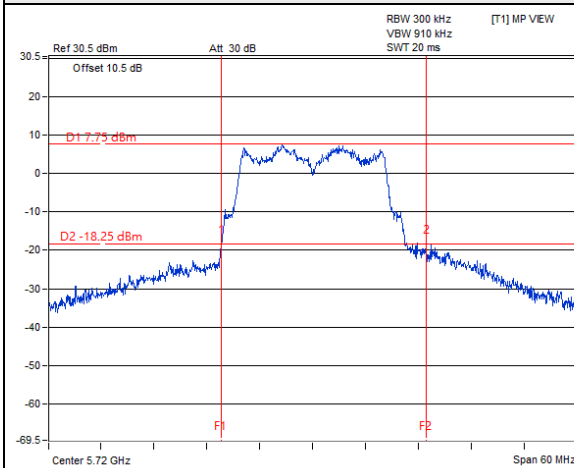
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
58	5290	84.58
106	5530	84.33
122	5610	84.94
138 (U-NII-2C)	5690	77.11
138 (U-NII-3)	5690	7.56

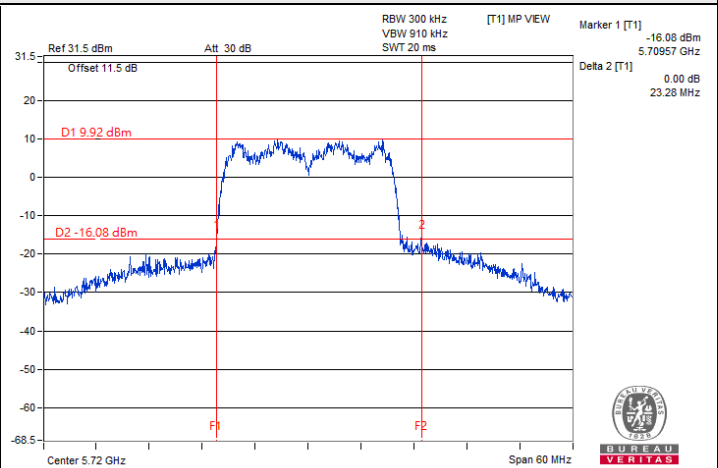
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	84.58	30.27	>	24
106	5530	84.33	30.25	>	24
122	5610	84.94	30.29	>	24
138 (U-NII-2C)	5690	77.11	29.87	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

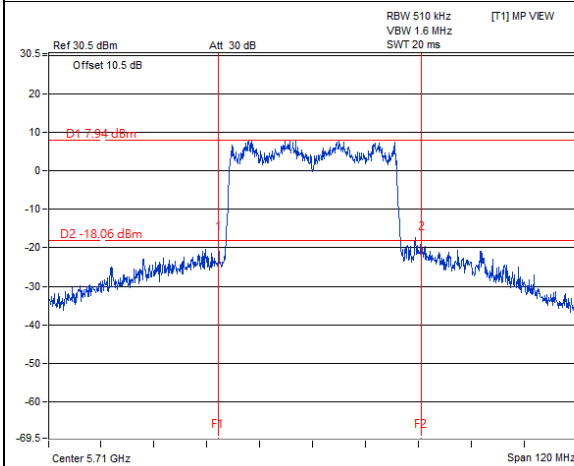
Spectrum Plot of Minimum Value



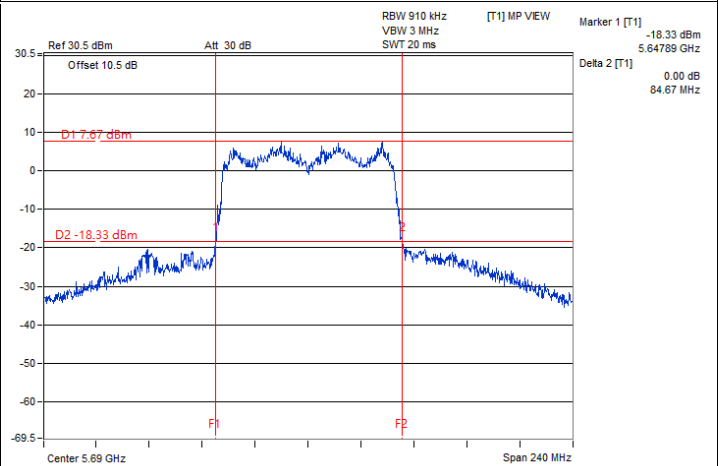
802.11a: CH 144 (U-NII-3)



802.11ax (HE20): CH 144 (U-NII-3)



802.11ax (HE40): CH 142 (U-NII-3)



802.11ax (HE80): CH 138 (U-NII-3)

Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 69% RH	Tested By:	Chris Lin
--------------	----------------	---------------------------	--------------	------------	-----------

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	18.155	12.59	24	Pass
40	5200	41.591	16.19	24	Pass
48	5240	40.832	16.11	24	Pass
52	5260	44.361	16.47	24	Pass
60	5300	45.186	16.55	24	Pass
64	5320	23.605	13.73	24	Pass
100	5500	19.815	12.97	24	Pass
116	5580	40.179	16.04	24	Pass
140	5700	13.49	11.30	24	Pass
*144 (U-NII-2C)	5720	26.738	14.27	22.88	Pass
*144 (U-NII-3)	5720	5.823	7.65	30	Pass
149	5745	28.708	14.58	30	Pass
157	5785	29.785	14.74	30	Pass
165	5825	29.376	14.68	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	15.205	11.82	24	Pass
40	5200	44.259	16.46	24	Pass
48	5240	42.56	16.29	24	Pass
52	5260	48.529	16.86	24	Pass
60	5300	45.709	16.60	24	Pass
64	5320	18.239	12.61	24	Pass
100	5500	15.276	11.84	24	Pass
116	5580	42.56	16.29	24	Pass
140	5700	10.617	10.26	24	Pass
*144 (U-NII-2C)	5720	27.048	14.32	22.88	Pass
*144 (U-NII-3)	5720	7.45	8.72	30	Pass
149	5745	31.55	14.99	30	Pass
157	5785	29.717	14.73	30	Pass
165	5825	31.261	14.95	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	7.534	8.77	24	Pass
46	5230	41.783	16.21	24	Pass
54	5270	41.21	16.15	24	Pass
62	5310	37.584	15.75	24	Pass
102	5510	16.106	12.07	24	Pass
110	5550	37.584	15.75	24	Pass
134	5670	24.946	13.97	24	Pass
*142 (U-NII-2C)	5710	27.808	14.44	24	Pass
*142 (U-NII-3)	5710	3.028	4.81	30	Pass
151	5755	27.797	14.44	30	Pass
159	5795	26.853	14.29	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

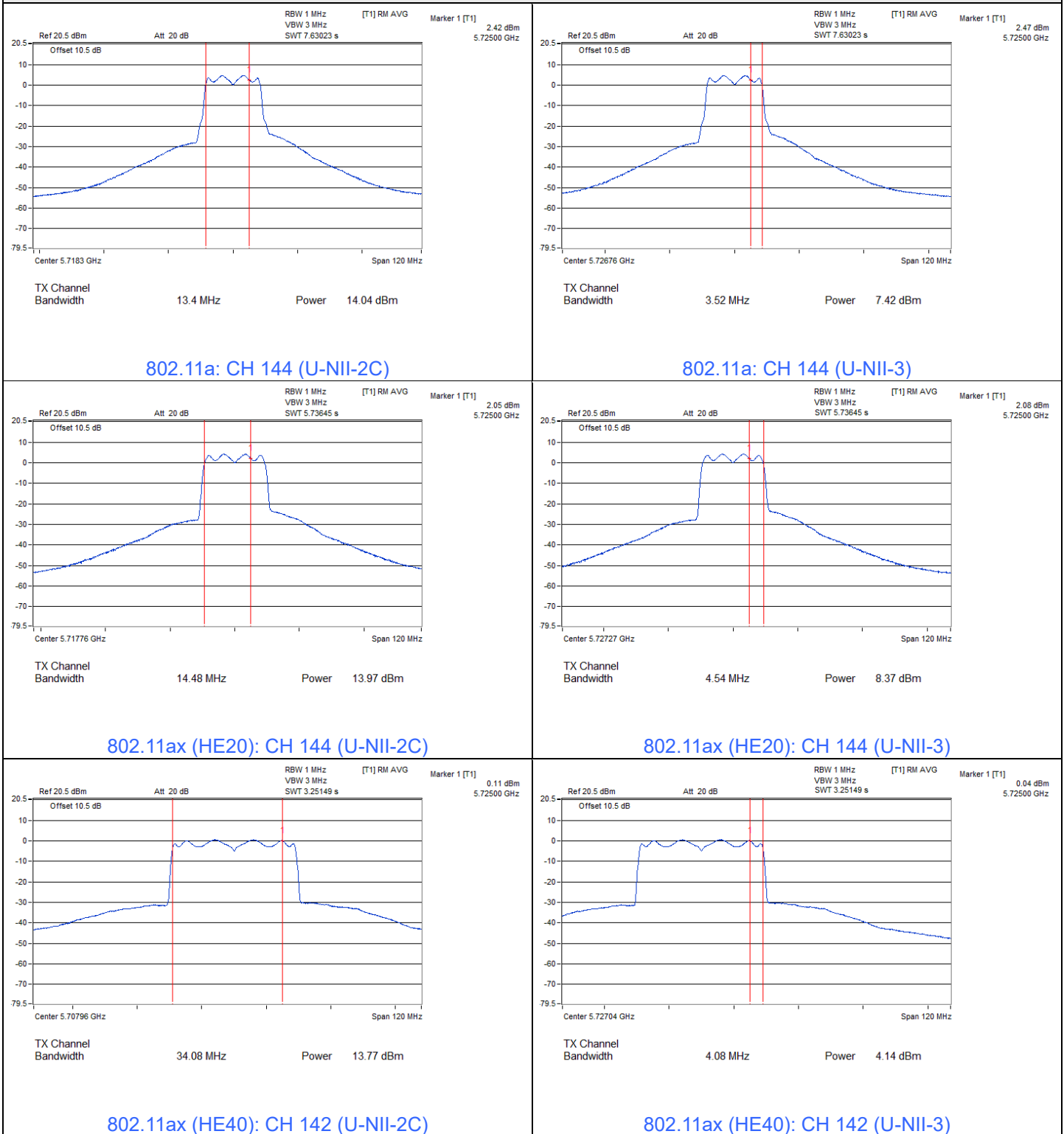
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	8.433	9.26	24	Pass
58	5290	14.125	11.50	24	Pass
106	5530	9.886	9.95	24	Pass
122	5610	23.442	13.70	24	Pass
*138 (U-NII-2C)	5690	24.401	13.87	24	Pass
*138 (U-NII-3)	5690	0.9849	-0.07	30	Pass
155	5775	17.418	12.41	30	Pass

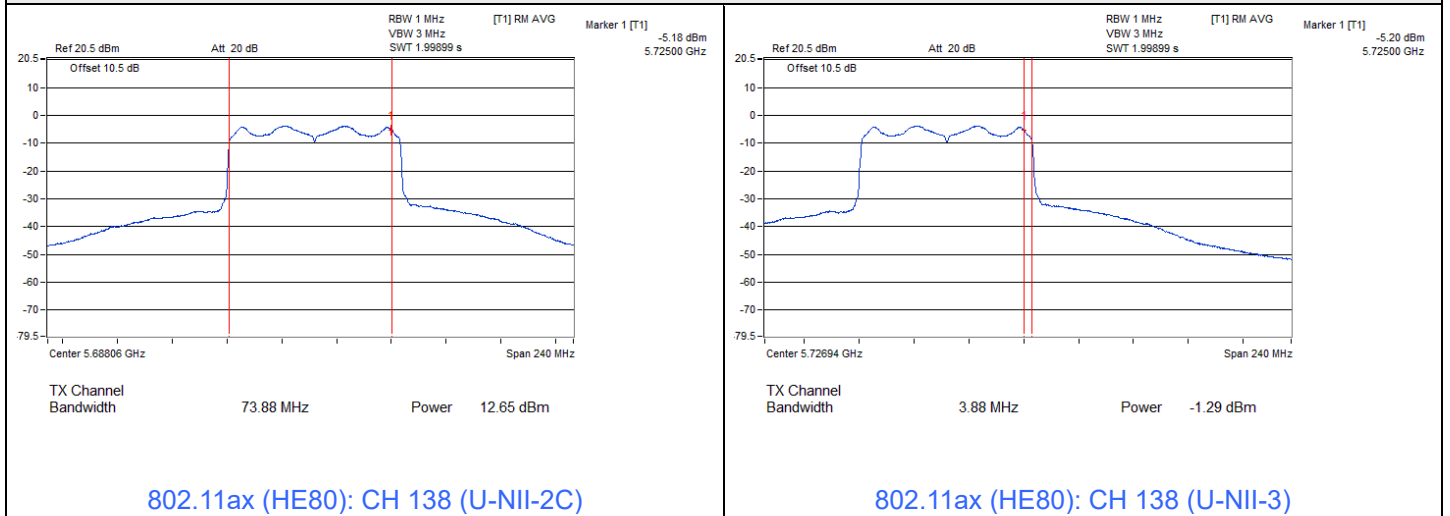
Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



Spectrum Plot for channel straddling



7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 69% RH	Tested By:	Chris Lin
--------------	----------------	---------------------------	--------------	------------	-----------

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-0.08	0.23	0.15	11	Pass
40	5200	3.21	0.23	3.44	11	Pass
48	5240	3.32	0.23	3.55	11	Pass
52	5260	3.81	0.23	4.04	11	Pass
60	5300	4.47	0.23	4.70	11	Pass
64	5320	2.38	0.23	2.61	11	Pass
100	5500	1.38	0.23	1.61	11	Pass
116	5580	3.74	0.23	3.97	11	Pass
140	5700	-0.29	0.23	-0.06	11	Pass
144 (U-NII-2C)	5720	3.50	0.23	3.73	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-0.59	0.35	-0.24	11	Pass
40	5200	3.80	0.35	4.15	11	Pass
48	5240	4.03	0.35	4.38	11	Pass
52	5260	4.56	0.35	4.91	11	Pass
60	5300	5.21	0.35	5.56	11	Pass
64	5320	1.38	0.35	1.73	11	Pass
100	5500	0.96	0.35	1.31	11	Pass
116	5580	4.33	0.35	4.68	11	Pass
140	5700	-0.28	0.35	0.07	11	Pass
144 (U-NII-2C)	5720	4.30	0.35	4.65	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
38	5190	-6.58	0.67	-5.91	11	Pass
46	5230	0.05	0.67	0.72	11	Pass
54	5270	0.04	0.67	0.71	11	Pass
62	5310	0.61	0.67	1.28	11	Pass
102	5510	-1.79	0.67	-1.12	11	Pass
110	5550	0.14	0.67	0.81	11	Pass
134	5670	-2.48	0.67	-1.81	11	Pass
142 (U-NII-2C)	5710	-0.51	0.67	0.16	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
42	5210	-11.16	1.22	-9.94	11	Pass
58	5290	-8.27	1.22	-7.05	11	Pass
106	5530	-9.36	1.22	-8.14	11	Pass
122	5610	-4.61	1.22	-3.39	11	Pass
138 (U-NII-2C)	5690	-4.80	1.22	-3.58	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-2.16	0.23	0.29	30	Pass
149	5745	-1.87	0.23	0.58	30	Pass
157	5785	-1.75	0.23	0.70	30	Pass
165	5825	-1.99	0.23	0.46	30	Pass

Note: For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-2.35	0.35	0.22	30	Pass
149	5745	-2.57	0.35	0.00	30	Pass
157	5785	-2.27	0.35	0.30	30	Pass
165	5825	-2.44	0.35	0.13	30	Pass

Note: For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
142 (U-NII-3)	5710	-5.88	0.67	-2.99	30	Pass
151	5755	-6.04	0.67	-3.15	30	Pass
159	5795	-6.07	0.67	-3.18	30	Pass

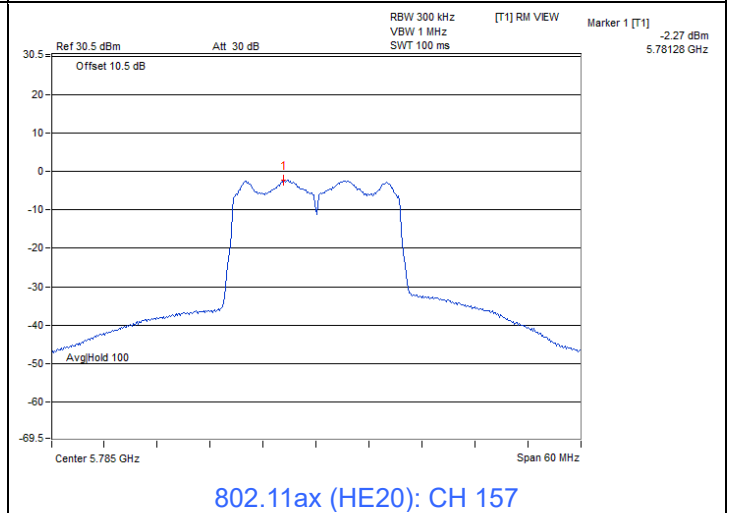
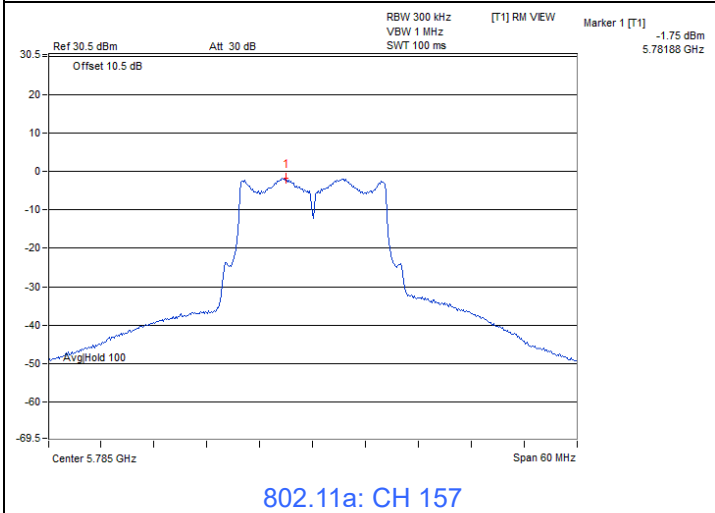
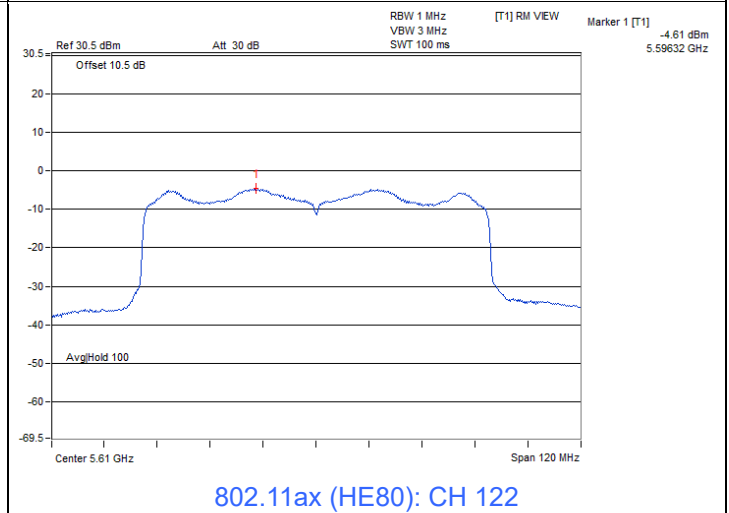
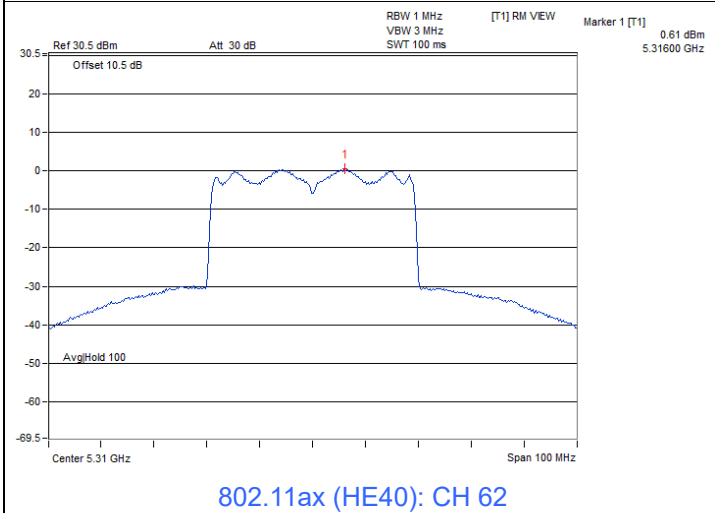
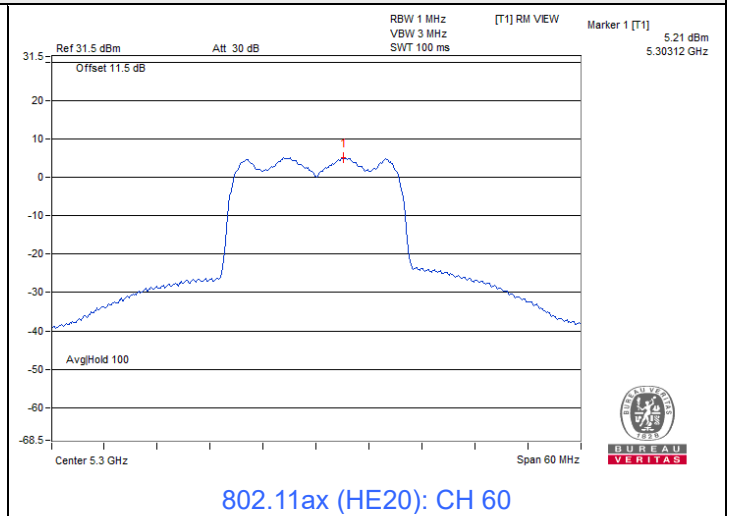
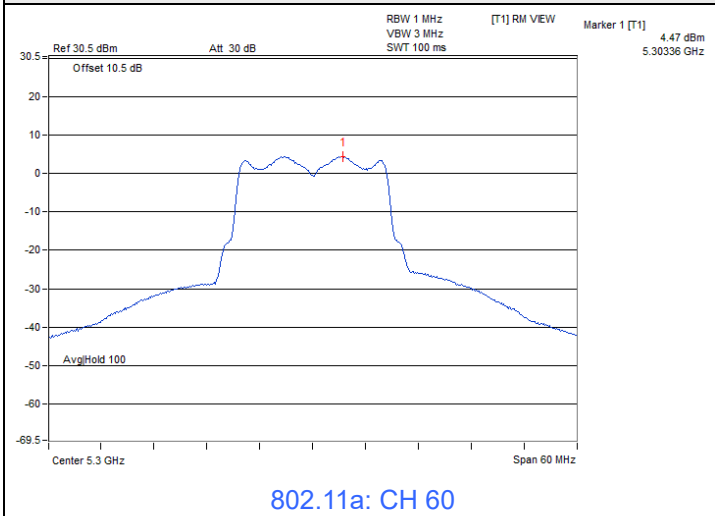
Note: For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80)

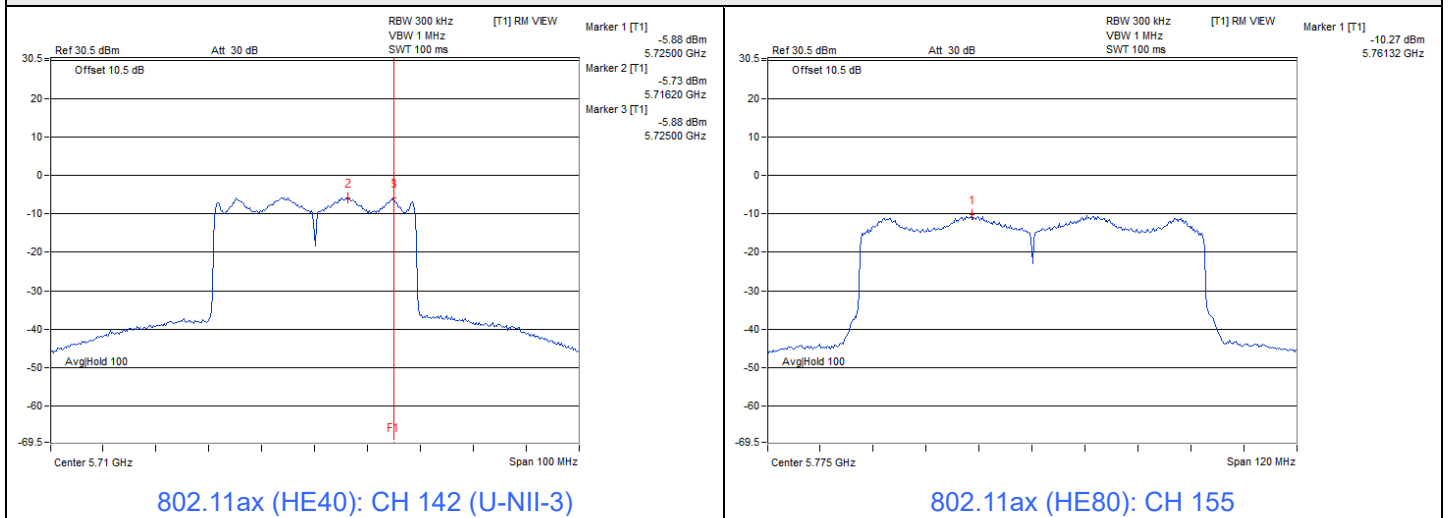
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
138 (U-NII-3)	5690	-11.45	1.22	-8.01	30	Pass
155	5775	-10.27	1.22	-6.83	30	Pass

Note: For U-NII-3, the antenna gain is 4.68 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 69% RH	Tested By:	Chris Lin
--------------	----------------	---------------------------	--------------	------------	-----------

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	3.21	0.5	Pass
149	5745	16.48	0.5	Pass
157	5785	16.43	0.5	Pass
165	5825	16.39	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	4.09	0.5	Pass
149	5745	17.79	0.5	Pass
157	5785	18.22	0.5	Pass
165	5825	17.64	0.5	Pass

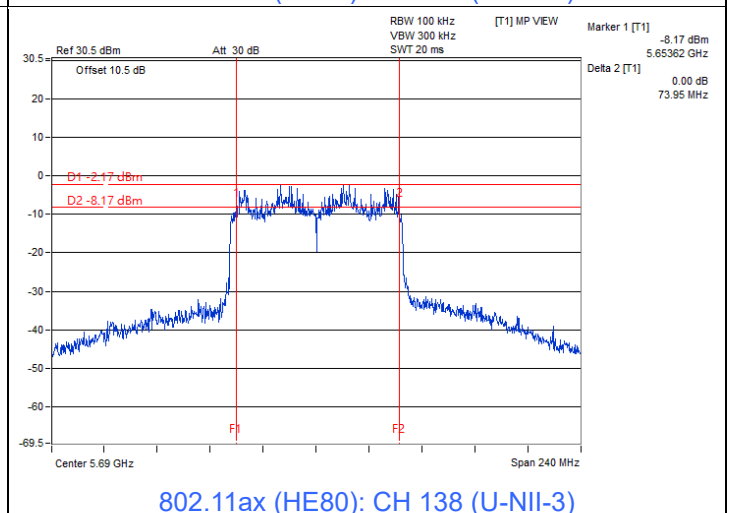
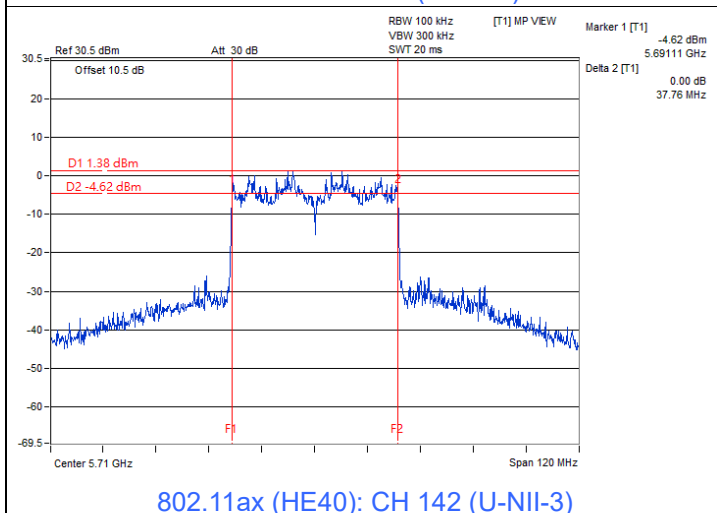
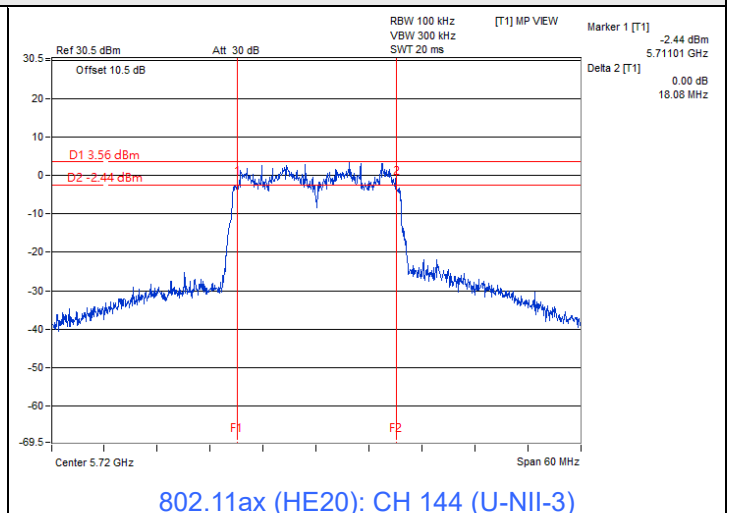
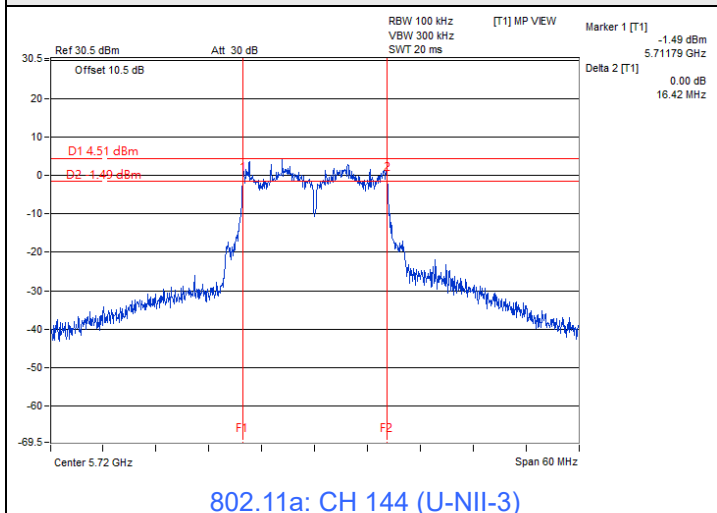
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
142 (U-NII-3)	5710	3.87	0.5	Pass
151	5755	37.54	0.5	Pass
159	5795	37.63	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
138 (U-NII-3)	5690	2.57	0.5	Pass
155	5775	73.61	0.5	Pass

Spectrum Plot of Minimum Value



Note: For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 69% RH	Tested By:	Chris Lin
--------------	----------------	---------------------------	--------------	------------	-----------

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.8
40	5200	16.86
48	5240	16.86
52	5260	16.92
60	5300	16.92
64	5320	16.86
100	5500	16.74
116	5580	16.92
140	5700	16.92
144 (U-NII-2C)	5720	13.4
144 (U-NII-3)	5720	3.52
149	5745	16.8
157	5785	16.92
165	5825	16.8

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	19.02
40	5200	19.08
48	5240	19.02
52	5260	19.2
60	5300	19.02
64	5320	18.96
100	5500	19.02
116	5580	18.96
140	5700	18.96
144 (U-NII-2C)	5720	14.54
144 (U-NII-3)	5720	4.48
149	5745	19.02
157	5785	18.9
165	5825	19.02

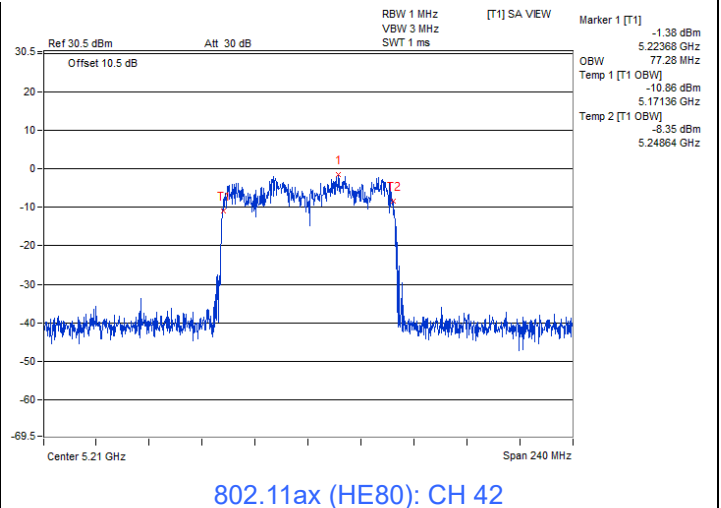
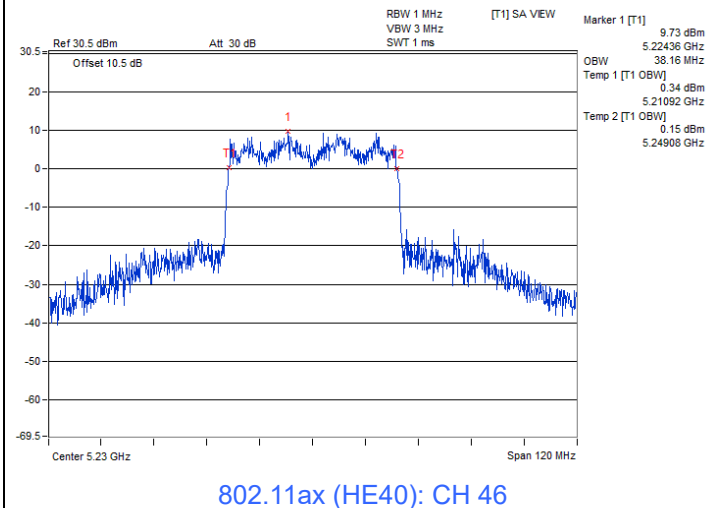
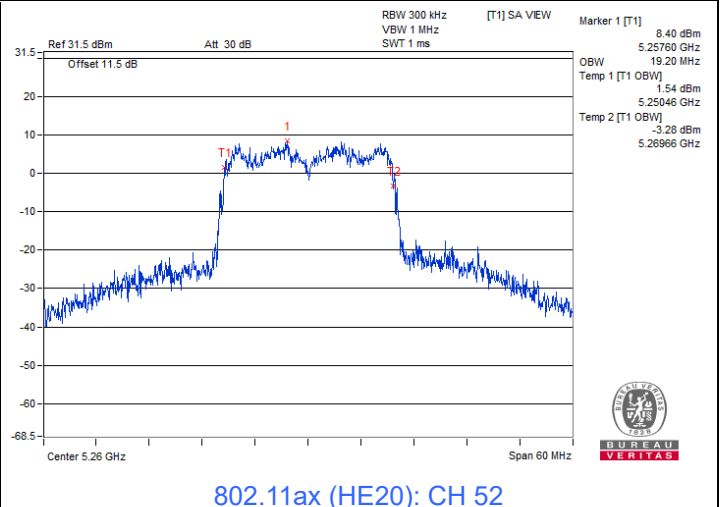
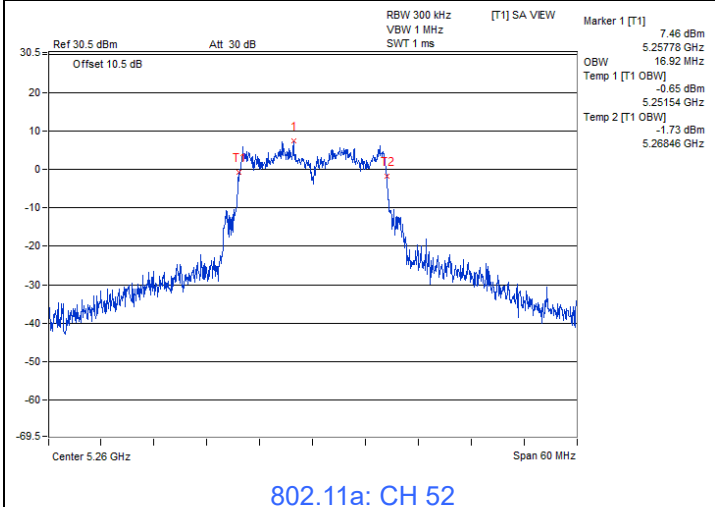
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	38.04
46	5230	38.16
54	5270	38.16
62	5310	38.04
102	5510	38.16
110	5550	38.16
134	5670	38.04
142 (U-NII-2C)	5710	34.08
142 (U-NII-3)	5710	4.08
151	5755	38.04
159	5795	37.92

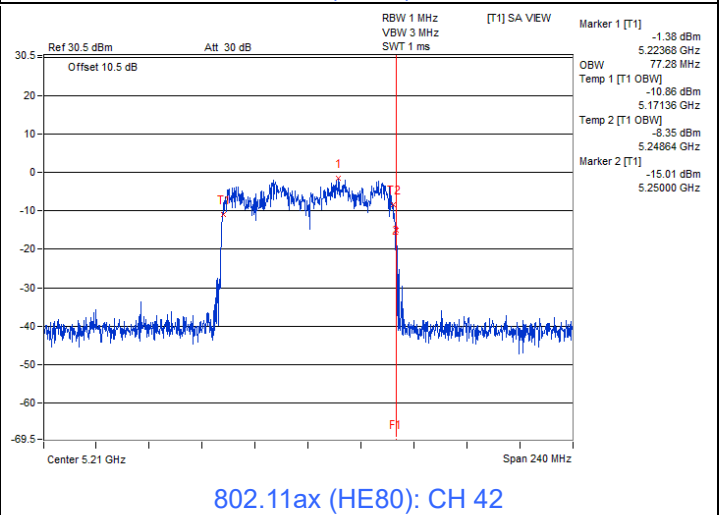
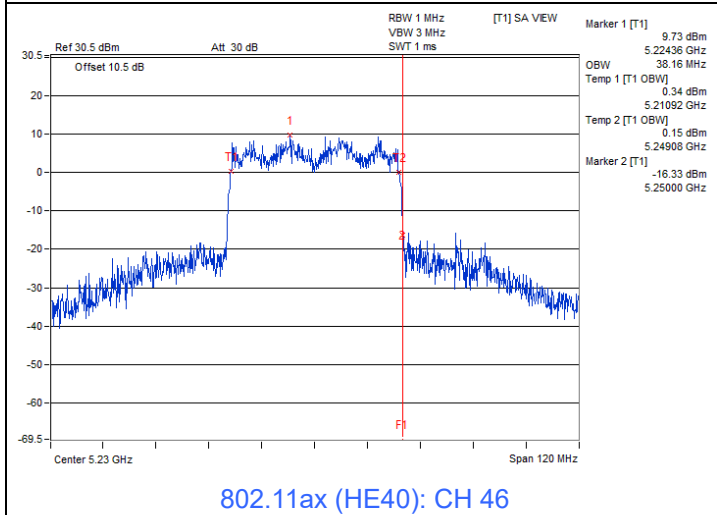
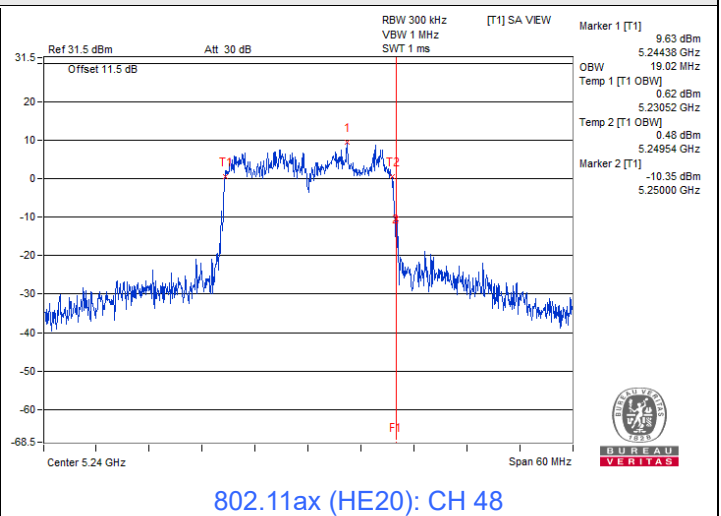
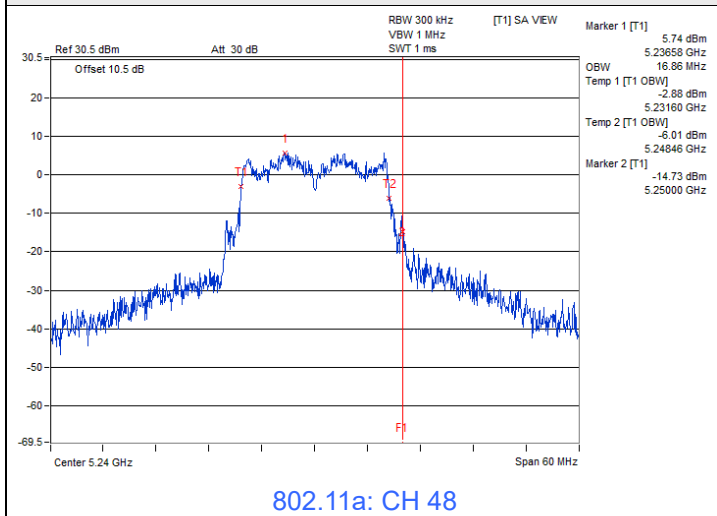
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	77.28
58	5290	77.04
106	5530	76.8
122	5610	77.28
138 (U-NII-2C)	5690	73.88
138 (U-NII-3)	5690	3.88
155	5775	76.8

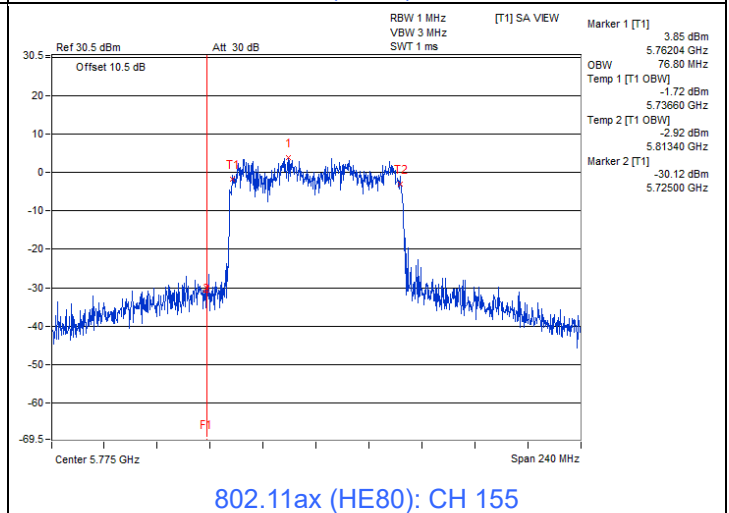
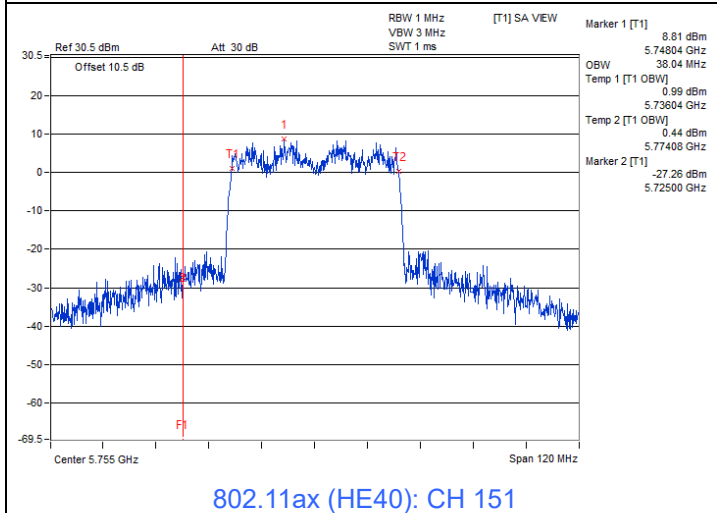
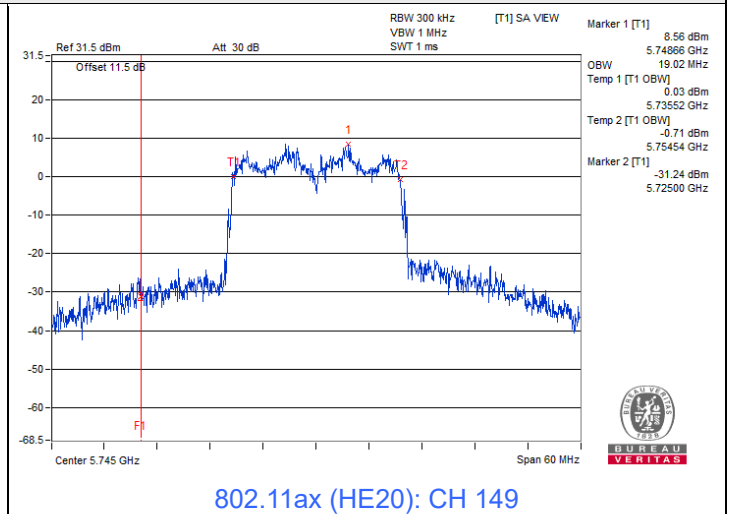
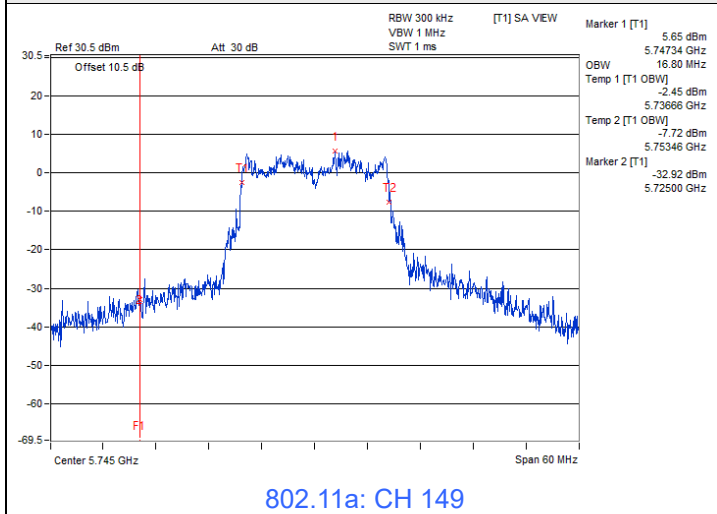
Spectrum Plot of Maximum Value



Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



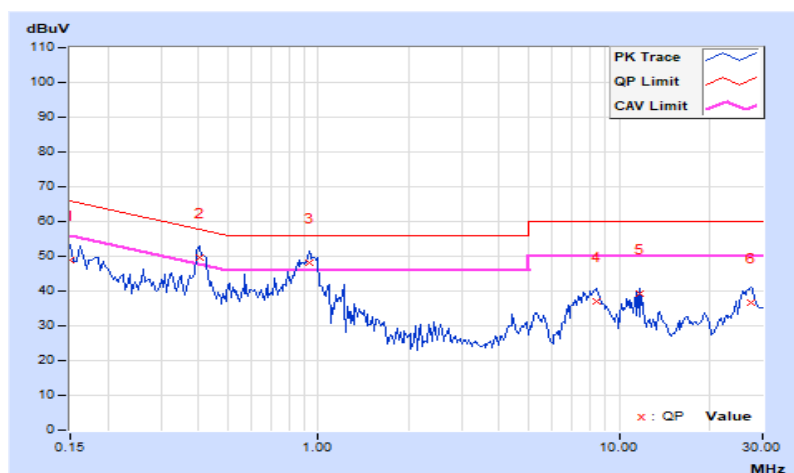
7.6 AC Power Conducted Emissions

RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	0.15000	9.94	39.04	29.03	48.98	38.97	66.00	56.00	-17.02	-17.03
2	0.40391	9.98	39.67	32.33	49.65	42.31	57.77	47.77	-8.12	-5.46
3	0.93125	10.01	38.10	27.08	48.11	37.09	56.00	46.00	-7.89	-8.91
4	8.38672	10.45	26.56	21.80	37.01	32.25	60.00	50.00	-22.99	-17.75
5	11.65234	10.64	28.52	27.45	39.16	38.09	60.00	50.00	-20.84	-11.91
6	27.51563	11.44	25.30	19.30	36.74	30.74	60.00	50.00	-23.26	-19.26

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

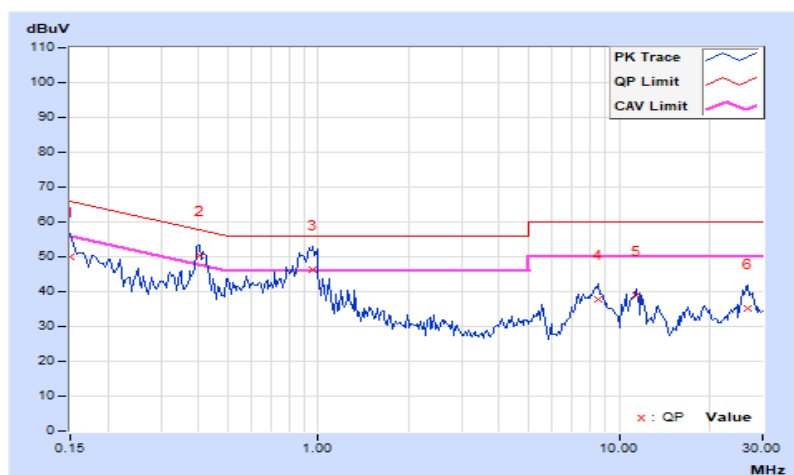


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	0.15000	10.81	39.36	28.77	50.17	39.58	66.00	56.00	-15.83	-16.42
2	0.40391	10.83	39.48	31.81	50.31	42.64	57.77	47.77	-7.46	-5.13
3	0.96250	10.88	35.53	25.54	46.41	36.42	56.00	46.00	-9.59	-9.58
4	8.47656	11.16	26.60	21.98	37.76	33.14	60.00	50.00	-22.24	-16.86
5	11.40234	11.24	27.61	25.94	38.85	37.18	60.00	50.00	-21.15	-12.82
6	26.76172	11.42	23.75	17.33	35.17	28.75	60.00	50.00	-24.83	-21.25

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



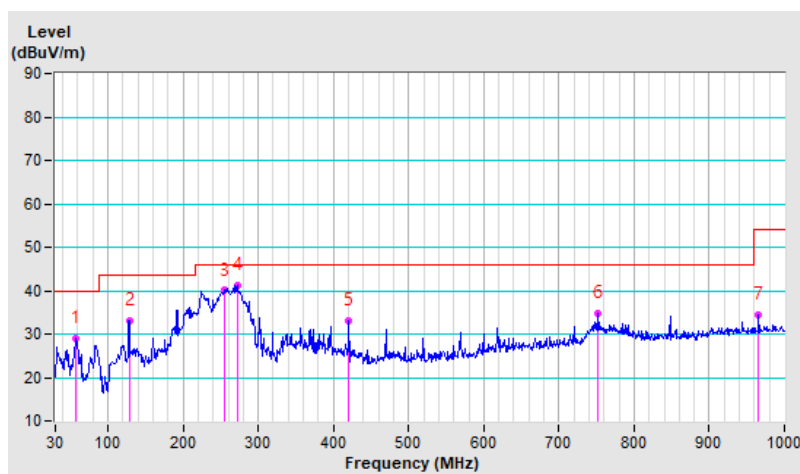
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65% RH
Tested By	Roger Peng		

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	57.74	29.1 PK	40.0	-10.9	2.00 H	0	42.6	-13.5
2	127.99	33.0 PK	43.5	-10.5	3.00 H	64	47.4	-14.4
3	255.94	40.0 PK	46.0	-6.0	2.00 H	0	54.1	-14.1
4	272.01	41.2 PK	46.0	-4.8	2.00 H	0	54.5	-13.3
5	420.79	33.0 PK	46.0	-13.0	1.00 H	206	42.7	-9.7
6	751.97	34.8 PK	46.0	-11.2	1.00 H	203	38.0	-3.2
7	965.27	34.6 PK	54.0	-19.4	3.00 H	360	34.3	0.3

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

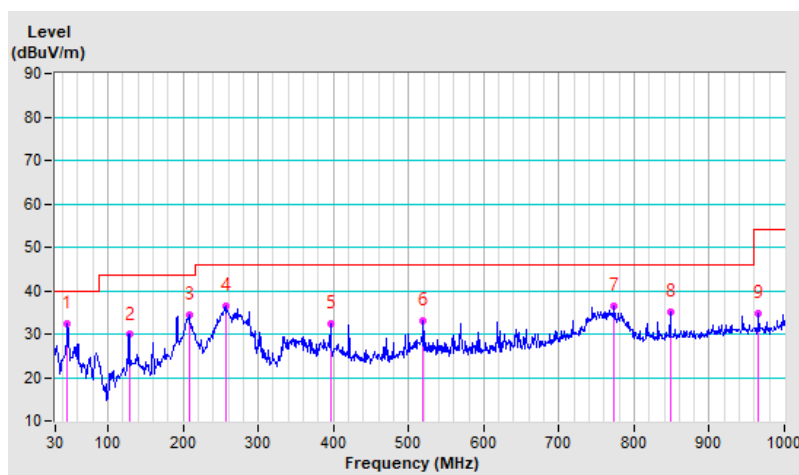


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65% RH
Tested By	Roger Peng		

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	45.88	32.5 PK	40.0	-7.5	1.00 V	77	45.5	-13.0
2	127.99	29.9 PK	43.5	-13.6	2.00 V	166	44.3	-14.4
3	208.02	34.4 PK	43.5	-9.1	2.00 V	202	51.0	-16.6
4	256.06	36.4 PK	46.0	-9.6	1.00 V	171	50.5	-14.1
5	396.01	32.4 PK	46.0	-13.6	1.00 V	204	42.5	-10.1
6	519.75	33.2 PK	46.0	-12.8	2.00 V	0	40.8	-7.6
7	773.21	36.5 PK	46.0	-9.5	2.00 V	0	39.4	-2.9
8	848.00	35.1 PK	46.0	-10.9	2.00 V	0	37.2	-2.1
9	965.25	34.7 PK	54.0	-19.3	2.00 V	269	34.4	0.3

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 66% RH
Tested By	Owen Lee		

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	64.2 PK	74.0	-9.8	1.20 H	336	60.4	3.8
2	5150.00	47.6 AV	54.0	-6.4	1.20 H	336	43.8	3.8
3	*5180.00	107.6 PK			1.20 H	336	103.9	3.7
4	*5180.00	98.6 AV			1.20 H	336	94.9	3.7
5	#10360.00	50.2 PK	68.2	-18.0	1.47 H	225	36.3	13.9
6	15540.00	48.2 PK	74.0	-25.8	2.09 H	161	32.1	16.1
7	15540.00	36.8 AV	54.0	-17.2	2.09 H	161	20.7	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	5150.00	67.7 PK	74.0	-6.3	2.12 V	248	63.9	3.8
2	5150.00	49.0 AV	54.0	-5.0	2.12 V	248	45.2	3.8
3	*5180.00	108.0 PK			2.12 V	248	104.3	3.7
4	*5180.00	99.7 AV			2.12 V	248	96.0	3.7
5	#10360.00	56.2 PK	68.2	-12.0	1.00 V	282	42.3	13.9
6	15540.00	45.7 PK	74.0	-28.3	1.78 V	317	29.6	16.1
7	15540.00	36.1 AV	54.0	-17.9	1.78 V	317	20.0	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 66% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.9 PK	74.0	-12.1	1.06 H	297	58.1	3.8
2	5150.00	46.1 AV	54.0	-7.9	1.06 H	297	42.3	3.8
3	*5200.00	108.5 PK			1.06 H	297	104.9	3.6
4	*5200.00	100.6 AV			1.06 H	297	97.0	3.6
5	#10400.00	52.3 PK	68.2	-15.9	1.63 H	261	38.4	13.9
6	15600.00	47.9 PK	74.0	-26.1	2.08 H	163	32.4	15.5
7	15600.00	37.6 AV	54.0	-16.4	2.08 H	163	22.1	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	5150.00	62.4 PK	74.0	-11.6	2.12 V	245	58.6	3.8
2	5150.00	48.4 AV	54.0	-5.6	2.12 V	245	44.6	3.8
3	*5200.00	109.4 PK			2.12 V	245	105.8	3.6
4	*5200.00	101.2 AV			2.12 V	245	97.6	3.6
5	#10400.00	49.1 PK	68.2	-19.1	1.33 V	267	35.2	13.9
6	15600.00	44.6 PK	74.0	-29.4	1.83 V	329	29.1	15.5
7	15600.00	34.7 AV	54.0	-19.3	1.83 V	329	19.2	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 66% RH
Tested By	Owen Lee		

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	113.6 PK			1.04 H	291	110.3	3.3
2	*5240.00	104.9 AV			1.04 H	291	101.6	3.3
3	#10480.00	58.2 PK	68.2	-10.0	1.06 H	245	44.0	14.2
4	15720.00	49.7 PK	74.0	-24.3	2.18 H	186	33.4	16.3
5	15720.00	37.6 AV	54.0	-16.4	2.18 H	186	21.3	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	*5240.00	114.7 PK			2.11 V	244	111.4	3.3
2	*5240.00	105.1 AV			2.11 V	244	101.8	3.3
3	#10480.00	54.7 PK	68.2	-13.5	1.57 V	280	40.5	14.2
4	15720.00	45.1 PK	74.0	-28.9	1.51 V	314	28.8	16.3
5	15720.00	35.0 AV	54.0	-19.0	1.51 V	314	18.7	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 66% RH
Tested By	Owen Lee		

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	*5260.00	113.4 PK			1.02 H	293	110.1	3.3
2	*5260.00	104.7 AV			1.02 H	293	101.4	3.3
3	#10520.00	57.8 PK	68.2	-10.4	1.71 H	261	43.6	14.2
4	15780.00	49.1 PK	74.0	-24.9	1.89 H	181	33.1	16.0
5	15780.00	37.0 AV	54.0	-17.0	1.89 H	181	21.0	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	*5260.00	114.1 PK			2.10 V	246	110.8	3.3
2	*5260.00	105.3 AV			2.10 V	246	102.0	3.3
3	#10520.00	54.4 PK	68.2	-13.8	1.26 V	300	40.2	14.2
4	15780.00	45.5 PK	74.0	-28.5	1.88 V	335	29.5	16.0
5	15780.00	34.7 AV	54.0	-19.3	1.88 V	335	18.7	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 66% RH
Tested By	Owen Lee		

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	110.3 PK			1.12 H	295	107.0	3.3
2	*5300.00	101.4 AV			1.12 H	295	98.1	3.3
3	5350.00	64.4 PK	74.0	-9.6	1.12 H	295	61.0	3.4
4	5350.00	49.9 AV	54.0	-4.1	1.12 H	295	46.5	3.4
5	10600.00	54.1 PK	74.0	-19.9	1.80 H	247	39.7	14.4
6	10600.00	44.0 AV	54.0	-10.0	1.80 H	247	29.6	14.4
7	15900.00	48.7 PK	74.0	-25.3	1.99 H	157	33.4	15.3
8	15900.00	37.2 AV	54.0	-16.8	1.99 H	157	21.9	15.3
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	*5300.00	110.8 PK			1.06 V	278	107.5	3.3
2	*5300.00	102.2 AV			1.06 V	278	98.9	3.3
3	5350.00	62.2 PK	74.0	-11.8	1.06 V	278	58.8	3.4
4	5350.00	48.6 AV	54.0	-5.4	1.06 V	278	45.2	3.4
5	10600.00	50.6 PK	74.0	-23.4	1.46 V	302	36.2	14.4
6	10600.00	41.3 AV	54.0	-12.7	1.46 V	302	26.9	14.4
7	15900.00	45.1 PK	74.0	-28.9	1.87 V	296	29.8	15.3
8	15900.00	35.8 AV	54.0	-18.2	1.87 V	296	20.5	15.3

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	105.8 PK			1.05 H	278	102.5	3.3
2	*5320.00	97.4 AV			1.05 H	278	94.1	3.3
3	5350.00	65.9 PK	74.0	-8.1	1.05 H	278	62.5	3.4
4	5350.00	49.9 AV	54.0	-4.1	1.05 H	278	46.5	3.4
5	10640.00	48.1 PK	74.0	-25.9	1.56 H	256	33.7	14.4
6	10640.00	38.5 AV	54.0	-15.5	1.56 H	256	24.1	14.4
7	15960.00	44.8 PK	74.0	-29.2	1.51 H	301	29.8	15.0
8	15960.00	35.7 AV	54.0	-18.3	1.51 H	301	20.7	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	*5320.00	108.2 PK			1.30 V	338	104.9	3.3
2	*5320.00	98.8 AV			1.30 V	338	95.5	3.3
3	5350.00	65.5 PK	74.0	-8.5	1.30 V	338	62.1	3.4
4	5350.00	48.9 AV	54.0	-5.1	1.30 V	338	45.5	3.4
5	10640.00	51.1 PK	74.0	-22.9	1.67 V	248	36.7	14.4
6	10640.00	41.3 AV	54.0	-12.7	1.67 V	248	26.9	14.4
7	15960.00	48.9 PK	74.0	-25.1	2.07 V	182	33.9	15.0
8	15960.00	37.1 AV	54.0	-16.9	2.07 V	182	22.1	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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	54.6 PK	74.0	-19.4	1.02 H	330	50.9	3.7
2	5460.00	40.8 AV	54.0	-13.2	1.02 H	330	37.1	3.7
3	#5470.00	55.7 PK	68.2	-12.5	1.02 H	330	52.0	3.7
4	*5500.00	102.5 PK			1.02 H	330	98.8	3.7
5	*5500.00	94.2 AV			1.02 H	330	90.5	3.7
6	11000.00	46.6 PK	74.0	-27.4	1.46 H	301	31.3	15.3
7	11000.00	36.6 AV	54.0	-17.4	1.46 H	301	21.3	15.3
8	#16500.00	45.4 PK	68.2	-22.8	1.89 H	334	27.1	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.6 PK	74.0	-17.4	1.36 V	228	52.9	3.7
2	5460.00	42.1 AV	54.0	-11.9	1.36 V	228	38.4	3.7
3	#5470.00	63.1 PK	68.2	-5.1	1.36 V	228	59.4	3.7
4	*5500.00	107.3 PK			1.36 V	228	103.6	3.7
5	*5500.00	97.5 AV			1.36 V	228	93.8	3.7
6	11000.00	47.7 PK	74.0	-26.3	1.46 V	258	32.4	15.3
7	11000.00	37.9 AV	54.0	-16.1	1.46 V	258	22.6	15.3
8	#16500.00	48.4 PK	68.2	-19.8	2.17 V	170	30.1	18.3

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	114.0 PK			1.09 H	329	110.3	3.7
2	*5580.00	104.2 AV			1.09 H	329	100.5	3.7
3	11160.00	54.3 PK	74.0	-19.7	1.25 H	253	39.6	14.7
4	11160.00	44.3 AV	54.0	-9.7	1.25 H	253	29.6	14.7
5	#16740.00	44.9 PK	68.2	-23.3	1.90 H	300	26.3	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	115.1 PK			1.39 V	227	111.4	3.7
2	*5580.00	106.3 AV			1.39 V	227	102.6	3.7
3	11160.00	57.1 PK	74.0	-16.9	1.58 V	233	42.4	14.7
4	11160.00	47.7 AV	54.0	-6.3	1.58 V	233	33.0	14.7
5	#16740.00	49.0 PK	68.2	-19.2	2.25 V	198	30.4	18.6

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	101.4 PK			1.09 H	330	97.7	3.7
2	*5700.00	92.9 AV			1.09 H	330	89.2	3.7
3	#5725.00	58.6 PK	68.2	-9.6	1.09 H	330	54.9	3.7
4	11400.00	45.7 PK	74.0	-28.3	1.24 H	290	30.5	15.2
5	11400.00	36.5 AV	54.0	-17.5	1.24 H	290	21.3	15.2
6	#17100.00	44.9 PK	68.2	-23.3	1.53 H	327	25.9	19.0
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	*5700.00	107.1 PK			1.13 V	215	103.4	3.7
2	*5700.00	98.1 AV			1.13 V	215	94.4	3.7
3	#5725.00	63.2 PK	68.2	-5.0	1.13 V	215	59.5	3.7
4	11400.00	47.7 PK	74.0	-26.3	1.67 V	243	32.5	15.2
5	11400.00	38.2 AV	54.0	-15.8	1.67 V	243	23.0	15.2
6	#17100.00	49.1 PK	68.2	-19.1	2.11 V	206	30.1	19.0

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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	*5720.00	111.2 PK			1.03 H	337	107.6	3.6
2	*5720.00	102.8 AV			1.03 H	337	99.2	3.6
3	11440.00	55.0 PK	74.0	-19.0	1.38 H	266	40.0	15.0
4	11440.00	44.3 AV	54.0	-9.7	1.38 H	266	29.3	15.0
5	#17160.00	45.5 PK	68.2	-22.7	1.80 H	293	26.7	18.8
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	*5720.00	115.5 PK			1.22 V	222	111.9	3.6
2	*5720.00	106.6 AV			1.22 V	222	103.0	3.6
3	11440.00	57.9 PK	74.0	-16.1	1.49 V	244	42.9	15.0
4	11440.00	46.5 AV	54.0	-7.5	1.49 V	244	31.5	15.0
5	#17160.00	48.0 PK	68.2	-20.2	2.03 V	188	29.2	18.8

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.43	53.5 PK	68.2	-14.7	1.05 H	344	49.6	3.9
2	*5745.00	111.0 PK			1.05 H	344	107.3	3.7
3	*5745.00	102.0 AV			1.05 H	344	98.3	3.7
4	#5958.08	50.9 PK	68.2	-17.3	1.05 H	344	46.8	4.1
5	11490.00	54.3 PK	74.0	-19.7	1.55 H	259	39.5	14.8
6	11490.00	44.4 AV	54.0	-9.6	1.55 H	259	29.6	14.8
7	#17235.00	45.2 PK	68.2	-23.0	1.97 H	312	26.5	18.7
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	#5647.05	62.5 PK	68.2	-5.7	1.22 V	227	58.6	3.9
2	*5745.00	116.6 PK			1.22 V	227	112.9	3.7
3	*5745.00	105.7 AV			1.22 V	227	102.0	3.7
4	#6010.23	53.0 PK	68.2	-15.2	1.22 V	227	48.9	4.1
5	11490.00	58.0 PK	74.0	-16.0	1.84 V	221	43.2	14.8
6	11490.00	46.9 AV	54.0	-7.1	1.84 V	221	32.1	14.8
7	#17235.00	48.7 PK	68.2	-19.5	2.14 V	169	30.0	18.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	#5638.22	51.6 PK	68.2	-16.6	1.05 H	277	47.7	3.9
2	*5785.00	111.3 PK			1.05 H	277	107.3	4.0
3	*5785.00	102.7 AV			1.05 H	277	98.7	4.0
4	#5947.53	50.9 PK	68.2	-17.3	1.05 H	277	46.8	4.1
5	11570.00	53.9 PK	74.0	-20.1	1.52 H	279	39.4	14.5
6	11570.00	43.9 AV	54.0	-10.1	1.52 H	279	29.4	14.5
7	#17355.00	44.5 PK	68.2	-23.7	1.75 H	327	25.1	19.4
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	#5640.35	53.3 PK	68.2	-14.9	1.15 V	225	49.4	3.9
2	*5785.00	114.7 PK			1.15 V	225	110.7	4.0
3	*5785.00	105.8 AV			1.15 V	225	101.8	4.0
4	#5936.84	52.8 PK	68.2	-15.4	1.15 V	225	48.7	4.1
5	11570.00	57.1 PK	74.0	-16.9	1.52 V	261	42.6	14.5
6	11570.00	46.9 AV	54.0	-7.1	1.52 V	261	32.4	14.5
7	#17355.00	48.2 PK	68.2	-20.0	2.38 V	198	28.8	19.4

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	#5629.99	50.6 PK	68.2	-17.6	1.06 H	271	46.7	3.9
2	*5825.00	110.4 PK			1.06 H	271	106.4	4.0
3	*5825.00	102.5 AV			1.06 H	271	98.5	4.0
4	#5990.34	52.5 PK	68.2	-15.7	1.06 H	271	48.3	4.2
5	11650.00	54.6 PK	74.0	-19.4	1.58 H	266	40.4	14.2
6	11650.00	44.3 AV	54.0	-9.7	1.58 H	266	30.1	14.2
7	#17475.00	45.6 PK	68.2	-22.6	1.53 H	291	25.4	20.2
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	#5606.22	51.8 PK	68.2	-16.4	1.11 V	226	47.9	3.9
2	*5825.00	113.6 PK			1.11 V	226	109.6	4.0
3	*5825.00	105.1 AV			1.11 V	226	101.1	4.0
4	#5994.65	52.8 PK	68.2	-15.4	1.11 V	226	48.6	4.2
5	11650.00	57.3 PK	74.0	-16.7	1.74 V	238	43.1	14.2
6	11650.00	47.4 AV	54.0	-6.6	1.74 V	238	33.2	14.2
7	#17475.00	48.3 PK	68.2	-19.9	2.21 V	189	28.1	20.2

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	68.1 PK	74.0	-5.9	1.86 H	239	64.3	3.8
2	5150.00	48.8 AV	54.0	-5.2	1.86 H	239	45.0	3.8
3	*5180.00	109.3 PK			1.86 H	239	105.6	3.7
4	*5180.00	98.2 AV			1.86 H	239	94.5	3.7
5	#10360.00	47.6 PK	68.2	-20.6	1.58 H	264	33.7	13.9
6	15540.00	45.6 PK	74.0	-28.4	1.94 H	290	29.5	16.1
7	15540.00	35.9 AV	54.0	-18.1	1.94 H	290	19.8	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	5150.00	65.5 PK	74.0	-8.5	1.09 V	300	61.7	3.8
2	5150.00	49.2 AV	54.0	-4.8	1.09 V	300	45.4	3.8
3	*5180.00	107.5 PK			1.09 V	300	103.8	3.7
4	*5180.00	99.0 AV			1.09 V	300	95.3	3.7
5	#10360.00	50.7 PK	68.2	-17.5	1.47 V	219	36.8	13.9
6	15540.00	48.9 PK	74.0	-25.1	2.33 V	167	32.8	16.1
7	15540.00	37.7 AV	54.0	-16.3	2.33 V	167	21.6	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 66% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.2 PK	74.0	-10.8	1.01 H	293	59.4	3.8
2	5150.00	47.7 AV	54.0	-6.3	1.01 H	293	43.9	3.8
3	*5200.00	110.1 PK			1.01 H	293	106.5	3.6
4	*5200.00	100.2 AV			1.01 H	293	96.6	3.6
5	#10400.00	52.7 PK	68.2	-15.5	1.85 H	225	38.8	13.9
6	15600.00	49.1 PK	74.0	-24.9	2.06 H	202	33.6	15.5
7	15600.00	36.9 AV	54.0	-17.1	2.06 H	202	21.4	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	5150.00	63.8 PK	74.0	-10.2	2.02 V	243	60.0	3.8
2	5150.00	49.9 AV	54.0	-4.1	2.02 V	243	46.1	3.8
3	*5200.00	110.4 PK			2.02 V	243	106.8	3.6
4	*5200.00	100.7 AV			2.02 V	243	97.1	3.6
5	#10400.00	48.8 PK	68.2	-19.4	1.52 V	281	34.9	13.9
6	15600.00	45.4 PK	74.0	-28.6	1.74 V	310	29.9	15.5
7	15600.00	35.0 AV	54.0	-19.0	1.74 V	310	19.5	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	114.8 PK			2.12 H	243	111.5	3.3
2	*5240.00	103.9 AV			2.12 H	243	100.6	3.3
3	#10480.00	54.1 PK	68.2	-14.1	1.55 H	274	39.9	14.2
4	15720.00	45.2 PK	74.0	-28.8	1.74 H	296	28.9	16.3
5	15720.00	35.0 AV	54.0	-19.0	1.74 H	296	18.7	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	*5240.00	115.3 PK			1.06 V	298	112.0	3.3
2	*5240.00	103.4 AV			1.06 V	298	100.1	3.3
3	#10480.00	57.7 PK	68.2	-10.5	1.52 V	227	43.5	14.2
4	15720.00	48.7 PK	74.0	-25.3	2.31 V	193	32.4	16.3
5	15720.00	37.2 AV	54.0	-16.8	2.31 V	193	20.9	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	*5260.00	113.6 PK			2.10 H	244	110.3	3.3
2	*5260.00	103.4 AV			2.10 H	244	100.1	3.3
3	#10520.00	54.1 PK	68.2	-14.1	1.59 H	256	39.9	14.2
4	15780.00	45.3 PK	74.0	-28.7	1.60 H	335	29.3	16.0
5	15780.00	35.1 AV	54.0	-18.9	1.60 H	335	19.1	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	*5260.00	114.8 PK			1.06 V	298	111.5	3.3
2	*5260.00	104.1 AV			1.06 V	298	100.8	3.3
3	#10520.00	57.8 PK	68.2	-10.4	1.68 V	235	43.6	14.2
4	15780.00	47.8 PK	74.0	-26.2	1.93 V	201	31.8	16.0
5	15780.00	37.6 AV	54.0	-16.4	1.93 V	201	21.6	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	111.0 PK			1.05 H	277	107.7	3.3
2	*5300.00	100.9 AV			1.05 H	277	97.6	3.3
3	5350.00	63.2 PK	74.0	-10.8	1.05 H	277	59.8	3.4
4	5350.00	48.8 AV	54.0	-5.2	1.05 H	277	45.4	3.4
5	10600.00	50.6 PK	74.0	-23.4	1.43 H	272	36.2	14.4
6	10600.00	40.6 AV	54.0	-13.4	1.43 H	272	26.2	14.4
7	15900.00	44.6 PK	74.0	-29.4	1.57 H	327	29.3	15.3
8	15900.00	35.1 AV	54.0	-18.9	1.57 H	327	19.8	15.3
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	*5300.00	113.6 PK			1.14 V	298	110.3	3.3
2	*5300.00	102.2 AV			1.14 V	298	98.9	3.3
3	5350.00	64.8 PK	74.0	-9.2	1.14 V	298	61.4	3.4
4	5350.00	49.4 AV	54.0	-4.6	1.14 V	298	46.0	3.4
5	10600.00	53.4 PK	74.0	-20.6	1.73 V	224	39.0	14.4
6	10600.00	43.3 AV	54.0	-10.7	1.73 V	224	28.9	14.4
7	15900.00	48.3 PK	74.0	-25.7	1.94 V	200	33.0	15.3
8	15900.00	37.3 AV	54.0	-16.7	1.94 V	200	22.0	15.3

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, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	106.5 PK			1.06 H	283	103.2	3.3
2	*5320.00	95.4 AV			1.06 H	283	92.1	3.3
3	5350.00	60.3 PK	74.0	-13.7	1.06 H	283	56.9	3.4
4	5350.00	44.9 AV	54.0	-9.1	1.06 H	283	41.5	3.4
5	10640.00	50.6 PK	74.0	-23.4	1.40 H	276	36.2	14.4
6	10640.00	41.3 AV	54.0	-12.7	1.40 H	276	26.9	14.4
7	15960.00	44.6 PK	74.0	-29.4	1.91 H	324	29.6	15.0
8	15960.00	35.0 AV	54.0	-19.0	1.91 H	324	20.0	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	*5320.00	108.9 PK			1.02 V	295	105.6	3.3
2	*5320.00	98.8 AV			1.02 V	295	95.5	3.3
3	5350.00	66.7 PK	74.0	-7.3	1.02 V	295	63.3	3.4
4	5350.00	49.9 AV	54.0	-4.1	1.02 V	295	46.5	3.4
5	10640.00	49.9 PK	74.0	-24.1	1.40 V	230	35.5	14.4
6	10640.00	40.1 AV	54.0	-13.9	1.40 V	230	25.7	14.4
7	15960.00	49.0 PK	74.0	-25.0	1.94 V	163	34.0	15.0
8	15960.00	37.9 AV	54.0	-16.1	1.94 V	163	22.9	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, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	53.7 PK	74.0	-20.3	1.01 H	326	50.0	3.7
2	5460.00	39.8 AV	54.0	-14.2	1.01 H	326	36.1	3.7
3	#5470.00	58.5 PK	68.2	-9.7	1.01 H	326	54.8	3.7
4	*5500.00	103.1 PK			1.01 H	326	99.4	3.7
5	*5500.00	91.8 AV			1.01 H	326	88.1	3.7
6	11000.00	45.3 PK	74.0	-28.7	1.31 H	301	30.0	15.3
7	11000.00	35.9 AV	54.0	-18.1	1.31 H	301	20.6	15.3
8	#16500.00	45.3 PK	68.2	-22.9	1.86 H	316	27.0	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.9 PK	74.0	-21.1	1.04 V	229	49.2	3.7
2	5460.00	41.2 AV	54.0	-12.8	1.04 V	229	37.5	3.7
3	#5470.00	63.8 PK	68.2	-4.4	1.04 V	229	60.1	3.7
4	*5500.00	106.9 PK			1.04 V	229	103.2	3.7
5	*5500.00	95.8 AV			1.04 V	229	92.1	3.7
6	11000.00	46.6 PK	74.0	-27.4	1.39 V	233	31.3	15.3
7	11000.00	36.6 AV	54.0	-17.4	1.39 V	233	21.3	15.3
8	#16500.00	48.9 PK	68.2	-19.3	2.26 V	186	30.6	18.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	113.7 PK			1.19 H	328	110.0	3.7
2	*5580.00	103.8 AV			1.19 H	328	100.1	3.7
3	11160.00	53.8 PK	74.0	-20.2	1.35 H	254	39.1	14.7
4	11160.00	44.2 AV	54.0	-9.8	1.35 H	254	29.5	14.7
5	#16740.00	44.5 PK	68.2	-23.7	1.80 H	314	25.9	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	117.0 PK			1.02 V	228	113.3	3.7
2	*5580.00	105.6 AV			1.02 V	228	101.9	3.7
3	11160.00	57.5 PK	74.0	-16.5	1.84 V	255	42.8	14.7
4	11160.00	46.9 AV	54.0	-7.1	1.84 V	255	32.2	14.7
5	#16740.00	48.1 PK	68.2	-20.1	1.97 V	180	29.5	18.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	102.2 PK			1.23 H	329	98.5	3.7
2	*5700.00	92.2 AV			1.23 H	329	88.5	3.7
3	#5725.00	58.7 PK	68.2	-9.5	1.23 H	329	55.0	3.7
4	11400.00	45.4 PK	74.0	-28.6	1.26 H	263	30.2	15.2
5	11400.00	36.3 AV	54.0	-17.7	1.26 H	263	21.1	15.2
6	#17100.00	44.8 PK	68.2	-23.4	1.54 H	307	25.8	19.0
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	*5700.00	108.2 PK			1.15 V	225	104.5	3.7
2	*5700.00	96.9 AV			1.15 V	225	93.2	3.7
3	#5725.00	63.7 PK	68.2	-4.5	1.15 V	225	60.0	3.7
4	11400.00	47.2 PK	74.0	-26.8	1.53 V	239	32.0	15.2
5	11400.00	37.0 AV	54.0	-17.0	1.53 V	239	21.8	15.2
6	#17100.00	47.9 PK	68.2	-20.3	2.24 V	183	28.9	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	*5720.00	112.4 PK			1.03 H	334	108.8	3.6
2	*5720.00	103.2 AV			1.03 H	334	99.6	3.6
3	11440.00	54.5 PK	74.0	-19.5	1.50 H	260	39.5	15.0
4	11440.00	45.3 AV	54.0	-8.7	1.50 H	260	30.3	15.0
5	#17160.00	45.4 PK	68.2	-22.8	1.68 H	308	26.6	18.8
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	*5720.00	116.0 PK			1.24 V	226	112.4	3.6
2	*5720.00	106.0 AV			1.24 V	226	102.4	3.6
3	11440.00	57.0 PK	74.0	-17.0	1.74 V	244	42.0	15.0
4	11440.00	47.5 AV	54.0	-6.5	1.74 V	244	32.5	15.0
5	#17160.00	47.9 PK	68.2	-20.3	2.28 V	182	29.1	18.8

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	#5649.84	58.5 PK	68.2	-9.7	1.13 H	334	54.6	3.9
2	*5745.00	112.0 PK			1.13 H	334	108.3	3.7
3	*5745.00	101.5 AV			1.13 H	334	97.8	3.7
4	#5961.12	51.3 PK	68.2	-16.9	1.13 H	334	47.2	4.1
5	11490.00	55.2 PK	74.0	-18.8	1.56 H	253	40.4	14.8
6	11490.00	44.5 AV	54.0	-9.5	1.56 H	253	29.7	14.8
7	#17235.00	44.6 PK	68.2	-23.6	1.79 H	311	25.9	18.7
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	#5649.56	62.3 PK	68.2	-5.9	1.38 V	222	58.4	3.9
2	*5745.00	115.0 PK			1.38 V	222	111.3	3.7
3	*5745.00	104.9 AV			1.38 V	222	101.2	3.7
4	#5935.40	51.6 PK	68.2	-16.6	1.38 V	222	47.5	4.1
5	11490.00	57.3 PK	74.0	-16.7	1.55 V	252	42.5	14.8
6	11490.00	47.6 AV	54.0	-6.4	1.55 V	252	32.8	14.8
7	#17235.00	48.9 PK	68.2	-19.3	2.35 V	189	30.2	18.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	#5644.91	52.3 PK	68.2	-15.9	1.04 H	276	48.4	3.9
2	*5785.00	112.8 PK			1.04 H	276	108.8	4.0
3	*5785.00	102.2 AV			1.04 H	276	98.2	4.0
4	#5988.38	51.8 PK	68.2	-16.4	1.04 H	276	47.6	4.2
5	11570.00	54.7 PK	74.0	-19.3	1.57 H	259	40.2	14.5
6	11570.00	45.2 AV	54.0	-8.8	1.57 H	259	30.7	14.5
7	#17355.00	44.3 PK	68.2	-23.9	1.78 H	336	24.9	19.4
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	#5626.82	51.8 PK	68.2	-16.4	2.10 V	220	47.8	4.0
2	*5785.00	115.4 PK			2.10 V	220	111.4	4.0
3	*5785.00	104.8 AV			2.10 V	220	100.8	4.0
4	#5959.63	51.4 PK	68.2	-16.8	2.10 V	220	47.3	4.1
5	11570.00	56.9 PK	74.0	-17.1	1.48 V	226	42.4	14.5
6	11570.00	47.7 AV	54.0	-6.3	1.48 V	226	33.2	14.5
7	#17355.00	49.1 PK	68.2	-19.1	2.21 V	178	29.7	19.4

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	#5601.13	51.0 PK	68.2	-17.2	1.14 H	281	47.1	3.9
2	*5825.00	112.1 PK			1.14 H	281	108.1	4.0
3	*5825.00	102.0 AV			1.14 H	281	98.0	4.0
4	#5927.78	52.1 PK	68.2	-16.1	1.14 H	281	48.1	4.0
5	11650.00	54.2 PK	74.0	-19.8	1.47 H	262	40.0	14.2
6	11650.00	44.5 AV	54.0	-9.5	1.47 H	262	30.3	14.2
7	#17475.00	45.0 PK	68.2	-23.2	1.65 H	306	24.8	20.2
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	#5636.62	52.8 PK	68.2	-15.4	2.16 V	220	48.9	3.9
2	*5825.00	114.6 PK			2.16 V	220	110.6	4.0
3	*5825.00	104.1 AV			2.16 V	220	100.1	4.0
4	#5926.84	56.0 PK	68.2	-12.2	2.16 V	220	52.0	4.0
5	11650.00	57.3 PK	74.0	-16.7	1.59 V	261	43.1	14.2
6	11650.00	47.5 AV	54.0	-6.5	1.59 V	261	33.3	14.2
7	#17475.00	48.8 PK	68.2	-19.4	2.16 V	168	28.6	20.2

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 66% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	1.27 H	291	55.8	3.8
2	5150.00	47.6 AV	54.0	-6.4	1.27 H	291	43.8	3.8
3	*5190.00	101.6 PK			1.27 H	291	98.0	3.6
4	*5190.00	92.8 AV			1.27 H	291	89.2	3.6
5	#10380.00	47.1 PK	68.2	-21.1	1.70 H	259	33.1	14.0
6	15570.00	48.0 PK	74.0	-26.0	2.36 H	181	32.2	15.8
7	15570.00	37.8 AV	54.0	-16.2	2.36 H	181	22.0	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	5150.00	64.1 PK	74.0	-9.9	2.25 V	244	60.3	3.8
2	5150.00	49.1 AV	54.0	-4.9	2.25 V	244	45.3	3.8
3	*5190.00	103.4 PK			2.25 V	244	99.8	3.6
4	*5190.00	93.4 AV			2.25 V	244	89.8	3.6
5	#10380.00	46.0 PK	68.2	-22.2	1.65 V	277	32.0	14.0
6	15570.00	45.3 PK	74.0	-28.7	1.81 V	303	29.5	15.8
7	15570.00	36.1 AV	54.0	-17.9	1.81 V	303	20.3	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	56.8 PK	74.0	-17.2	1.60 H	237	53.0	3.8
2	5150.00	44.6 AV	54.0	-9.4	1.60 H	237	40.8	3.8
3	*5230.00	107.3 PK			1.60 H	237	103.9	3.4
4	*5230.00	96.3 AV			1.60 H	237	92.9	3.4
5	#10460.00	46.2 PK	68.2	-22.0	1.43 H	283	32.1	14.1
6	15690.00	44.5 PK	74.0	-29.5	1.78 H	314	28.1	16.4
7	15690.00	35.5 AV	54.0	-18.5	1.78 H	314	19.1	16.4
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	62.1 PK	74.0	-11.9	1.04 V	293	58.3	3.8
2	5150.00	49.9 AV	54.0	-4.1	1.04 V	293	46.1	3.8
3	*5230.00	109.7 PK			1.04 V	293	106.3	3.4
4	*5230.00	98.7 AV			1.04 V	293	95.3	3.4
5	#10460.00	48.1 PK	68.2	-20.1	1.54 V	258	34.0	14.1
6	15690.00	48.9 PK	74.0	-25.1	1.90 V	198	32.5	16.4
7	15690.00	37.1 AV	54.0	-16.9	1.90 V	198	20.7	16.4

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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	*5270.00	105.7 PK			1.86 H	234	102.4	3.3
2	*5270.00	95.3 AV			1.86 H	234	92.0	3.3
3	5350.00	51.7 PK	74.0	-22.3	1.86 H	234	48.3	3.4
4	5350.00	42.7 AV	54.0	-11.3	1.86 H	234	39.3	3.4
5	#10540.00	45.7 PK	68.2	-22.5	1.39 H	281	31.4	14.3
6	15810.00	44.5 PK	74.0	-29.5	1.92 H	288	28.7	15.8
7	15810.00	35.6 AV	54.0	-18.4	1.92 H	288	19.8	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	*5270.00	108.1 PK			1.02 V	292	104.8	3.3
2	*5270.00	98.7 AV			1.02 V	292	95.4	3.3
3	5350.00	62.1 PK	74.0	-11.9	1.02 V	292	58.7	3.4
4	5350.00	49.3 AV	54.0	-4.7	1.02 V	292	45.9	3.4
5	#10540.00	48.1 PK	68.2	-20.1	1.46 V	230	33.8	14.3
6	15810.00	48.8 PK	74.0	-25.2	2.06 V	184	33.0	15.8
7	15810.00	37.3 AV	54.0	-16.7	2.06 V	184	21.5	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	102.3 PK			1.06 H	280	99.0	3.3
2	*5310.00	90.5 AV			1.06 H	280	87.2	3.3
3	5350.00	58.5 PK	74.0	-15.5	1.06 H	280	55.1	3.4
4	5350.00	45.1 AV	54.0	-8.9	1.06 H	280	41.7	3.4
5	10620.00	45.5 PK	74.0	-28.5	1.36 H	259	31.1	14.4
6	10620.00	36.6 AV	54.0	-17.4	1.36 H	259	22.2	14.4
7	15930.00	45.6 PK	74.0	-28.4	1.87 H	304	30.5	15.1
8	15930.00	35.4 AV	54.0	-18.6	1.87 H	304	20.3	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	*5310.00	105.0 PK			1.08 V	294	101.7	3.3
2	*5310.00	94.2 AV			1.08 V	294	90.9	3.3
3	5350.00	63.3 PK	74.0	-10.7	1.08 V	294	59.9	3.4
4	5350.00	49.8 AV	54.0	-4.2	1.08 V	294	46.4	3.4
5	10620.00	47.7 PK	74.0	-26.3	1.74 V	247	33.3	14.4
6	10620.00	36.5 AV	54.0	-17.5	1.74 V	247	22.1	14.4
7	15930.00	48.2 PK	74.0	-25.8	1.99 V	164	33.1	15.1
8	15930.00	36.9 AV	54.0	-17.1	1.99 V	164	21.8	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, the limit was restricted at the RF Output Power.

RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	1.06 H	323	53.7	3.7
2	5460.00	41.3 AV	54.0	-12.7	1.06 H	323	37.6	3.7
3	#5470.00	52.2 PK	68.2	-16.0	1.06 H	323	48.5	3.7
4	*5510.00	99.6 PK			1.06 H	323	95.9	3.7
5	*5510.00	88.9 AV			1.06 H	323	85.2	3.7
6	11020.00	45.5 PK	74.0	-28.5	1.58 H	290	30.3	15.2
7	11020.00	36.8 AV	54.0	-17.2	1.58 H	290	21.6	15.2
8	#16530.00	44.4 PK	68.2	-23.8	1.78 H	293	26.0	18.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.0 PK	74.0	-16.0	1.05 V	232	54.3	3.7
2	5460.00	43.9 AV	54.0	-10.1	1.05 V	232	40.2	3.7
3	#5470.00	63.1 PK	68.2	-5.1	1.05 V	232	59.4	3.7
4	*5510.00	104.3 PK			1.05 V	232	100.6	3.7
5	*5510.00	93.0 AV			1.05 V	232	89.3	3.7
6	11020.00	46.6 PK	74.0	-27.4	1.54 V	249	31.4	15.2
7	11020.00	37.2 AV	54.0	-16.8	1.54 V	249	22.0	15.2
8	#16530.00	47.8 PK	68.2	-20.4	2.34 V	163	29.4	18.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	59.5 PK	74.0	-14.5	1.08 H	327	55.8	3.7
2	5460.00	44.6 AV	54.0	-9.4	1.08 H	327	40.9	3.7
3	#5470.00	63.1 PK	68.2	-5.1	1.08 H	327	59.4	3.7
4	*5550.00	106.9 PK			1.08 H	327	103.3	3.6
5	*5550.00	95.8 AV			1.08 H	327	92.2	3.6
6	11100.00	46.2 PK	74.0	-27.8	1.27 H	287	31.4	14.8
7	11100.00	36.4 AV	54.0	-17.6	1.27 H	287	21.6	14.8
8	#16650.00	45.6 PK	68.2	-22.6	1.92 H	320	26.9	18.7
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	5460.00	61.0 PK	74.0	-13.0	1.04 V	224	57.3	3.7
2	5460.00	46.8 AV	54.0	-7.2	1.04 V	224	43.1	3.7
3	#5470.00	63.8 PK	68.2	-4.4	1.04 V	224	60.1	3.7
4	*5550.00	109.1 PK			1.04 V	224	105.5	3.6
5	*5550.00	98.0 AV			1.04 V	224	94.4	3.6
6	11100.00	49.4 PK	74.0	-24.6	1.76 V	223	34.6	14.8
7	11100.00	38.8 AV	54.0	-15.2	1.76 V	223	24.0	14.8
8	#16650.00	48.2 PK	68.2	-20.0	1.98 V	195	29.5	18.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	104.2 PK			1.14 H	328	100.4	3.8
2	*5670.00	94.1 AV			1.14 H	328	90.3	3.8
3	#5725.00	60.0 PK	68.2	-8.2	1.14 H	328	56.3	3.7
4	11340.00	46.3 PK	74.0	-27.7	1.31 H	279	31.4	14.9
5	11340.00	36.6 AV	54.0	-17.4	1.31 H	279	21.7	14.9
6	#17010.00	44.9 PK	68.2	-23.3	1.80 H	315	26.3	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	108.4 PK			1.13 V	221	104.6	3.8
2	*5670.00	97.4 AV			1.13 V	221	93.6	3.8
3	#5725.00	63.3 PK	68.2	-4.9	1.13 V	221	59.6	3.7
4	11340.00	47.7 PK	74.0	-26.3	1.72 V	256	32.8	14.9
5	11340.00	36.7 AV	54.0	-17.3	1.72 V	256	21.8	14.9
6	#17010.00	48.4 PK	68.2	-19.8	1.97 V	192	29.8	18.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	110.4 PK			1.08 H	332	106.8	3.6
2	*5710.00	100.7 AV			1.08 H	332	97.1	3.6
3	11420.00	50.5 PK	74.0	-23.5	1.51 H	255	35.4	15.1
4	11420.00	41.4 AV	54.0	-12.6	1.51 H	255	26.3	15.1
5	#17130.00	44.7 PK	68.2	-23.5	1.78 H	315	25.7	19.0
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	*5710.00	113.0 PK			1.22 V	223	109.4	3.6
2	*5710.00	103.7 AV			1.22 V	223	100.1	3.6
3	11420.00	53.3 PK	74.0	-20.7	1.68 V	225	38.2	15.1
4	11420.00	44.0 AV	54.0	-10.0	1.68 V	225	28.9	15.1
5	#17130.00	49.2 PK	68.2	-19.0	2.09 V	196	30.2	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	#5647.87	56.9 PK	68.2	-11.3	1.05 H	272	53.0	3.9
2	*5755.00	106.3 PK			1.05 H	272	102.6	3.7
3	*5755.00	96.4 AV			1.05 H	272	92.7	3.7
4	#5941.58	56.9 PK	68.2	-11.3	1.05 H	272	52.8	4.1
5	11510.00	47.6 PK	74.0	-26.4	1.40 H	254	32.9	14.7
6	11510.00	38.1 AV	54.0	-15.9	1.40 H	254	23.4	14.7
7	#17265.00	45.7 PK	68.2	-22.5	1.77 H	296	26.9	18.8
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	#5645.58	63.7 PK	68.2	-4.5	1.18 V	222	59.8	3.9
2	*5755.00	109.5 PK			1.18 V	222	105.8	3.7
3	*5755.00	98.4 AV			1.18 V	222	94.7	3.7
4	#5926.95	53.2 PK	68.2	-15.0	1.18 V	222	49.2	4.0
5	11510.00	49.4 PK	74.0	-24.6	1.37 V	260	34.7	14.7
6	11510.00	40.4 AV	54.0	-13.6	1.37 V	260	25.7	14.7
7	#17265.00	49.1 PK	68.2	-19.1	2.19 V	203	30.3	18.8

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	#5646.64	57.5 PK	68.2	-10.7	1.02 H	275	53.6	3.9
2	*5795.00	110.0 PK			1.02 H	275	105.9	4.1
3	*5795.00	100.0 AV			1.02 H	275	95.9	4.1
4	#5930.39	61.3 PK	68.2	-6.9	1.02 H	275	57.3	4.0
5	11590.00	50.8 PK	74.0	-23.2	1.52 H	300	36.3	14.5
6	11590.00	40.9 AV	54.0	-13.1	1.52 H	300	26.4	14.5
7	#17385.00	44.5 PK	68.2	-23.7	1.74 H	315	24.7	19.8
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	#5647.61	64.0 PK	68.2	-4.2	1.08 V	213	60.1	3.9
2	*5795.00	112.5 PK			1.08 V	213	108.4	4.1
3	*5795.00	101.9 AV			1.08 V	213	97.8	4.1
4	#5928.44	63.7 PK	68.2	-4.5	1.08 V	213	59.7	4.0
5	11590.00	54.4 PK	74.0	-19.6	1.39 V	265	39.9	14.5
6	11590.00	44.1 AV	54.0	-9.9	1.39 V	265	29.6	14.5
7	#17385.00	48.7 PK	68.2	-19.5	2.28 V	197	28.9	19.8

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	65.4 PK	74.0	-8.6	2.10 H	243	61.6	3.8
2	5150.00	48.9 AV	54.0	-5.1	2.10 H	243	45.1	3.8
3	*5210.00	99.7 PK			2.10 H	243	96.1	3.6
4	*5210.00	89.4 AV			2.10 H	243	85.8	3.6
5	#10420.00	46.1 PK	68.2	-22.1	1.27 H	263	32.1	14.0
6	15630.00	44.5 PK	74.0	-29.5	1.71 H	297	28.7	15.8
7	15630.00	34.7 AV	54.0	-19.3	1.71 H	297	18.9	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	5150.00	62.8 PK	74.0	-11.2	1.02 V	301	59.0	3.8
2	5150.00	48.5 AV	54.0	-5.5	1.02 V	301	44.7	3.8
3	*5210.00	99.7 PK			1.02 V	301	96.1	3.6
4	*5210.00	90.6 AV			1.02 V	301	87.0	3.6
5	#10420.00	46.3 PK	68.2	-21.9	1.69 V	253	32.3	14.0
6	15630.00	49.0 PK	74.0	-25.0	1.91 V	186	33.2	15.8
7	15630.00	37.8 AV	54.0	-16.2	1.91 V	186	22.0	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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	99.9 PK			2.02 H	239	96.6	3.3
2	*5290.00	88.4 AV			2.02 H	239	85.1	3.3
3	5350.00	61.2 PK	74.0	-12.8	2.02 H	239	57.8	3.4
4	5350.00	47.7 AV	54.0	-6.3	2.02 H	239	44.3	3.4
5	#10580.00	45.3 PK	68.2	-22.9	1.25 H	263	31.0	14.3
6	15870.00	45.3 PK	74.0	-28.7	1.65 H	290	29.8	15.5
7	15870.00	34.8 AV	54.0	-19.2	1.65 H	290	19.3	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	*5290.00	102.4 PK			1.08 V	293	99.1	3.3
2	*5290.00	90.9 AV			1.08 V	293	87.6	3.3
3	5350.00	64.1 PK	74.0	-9.9	1.08 V	293	60.7	3.4
4	5350.00	48.7 AV	54.0	-5.3	1.08 V	293	45.3	3.4
5	#10580.00	47.3 PK	68.2	-20.9	1.68 V	253	33.0	14.3
6	15870.00	48.8 PK	74.0	-25.2	2.04 V	195	33.3	15.5
7	15870.00	36.9 AV	54.0	-17.1	2.04 V	195	21.4	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	60.4 PK	74.0	-13.6	1.02 H	324	56.7	3.7
2	5460.00	43.2 AV	54.0	-10.8	1.02 H	324	39.5	3.7
3	#5470.00	57.5 PK	68.2	-10.7	1.02 H	324	53.8	3.7
4	*5530.00	97.3 PK			1.02 H	324	93.7	3.6
5	*5530.00	86.1 AV			1.02 H	324	82.5	3.6
6	11060.00	45.8 PK	74.0	-28.2	1.32 H	279	30.7	15.1
7	11060.00	36.4 AV	54.0	-17.6	1.32 H	279	21.3	15.1
8	#16590.00	45.0 PK	68.2	-23.2	1.92 H	327	26.2	18.8
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	5460.00	63.6 PK	74.0	-10.4	1.13 V	291	59.9	3.7
2	5460.00	45.1 AV	54.0	-8.9	1.13 V	291	41.4	3.7
3	#5470.00	63.9 PK	68.2	-4.3	1.13 V	291	60.2	3.7
4	*5530.00	100.9 PK			1.13 V	291	97.3	3.6
5	*5530.00	90.0 AV			1.13 V	291	86.4	3.6
6	11060.00	47.2 PK	74.0	-26.8	1.70 V	219	32.1	15.1
7	11060.00	37.4 AV	54.0	-16.6	1.70 V	219	22.3	15.1
8	#16590.00	48.9 PK	68.2	-19.3	2.37 V	200	30.1	18.8

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	*5610.00	102.4 PK			1.09 H	325	98.5	3.9
2	*5610.00	91.0 AV			1.09 H	325	87.1	3.9
3	#5725.00	57.6 PK	68.2	-10.6	1.09 H	325	53.9	3.7
4	11220.00	45.8 PK	74.0	-28.2	1.25 H	267	31.2	14.6
5	11220.00	36.7 AV	54.0	-17.3	1.25 H	267	22.1	14.6
6	#16830.00	44.3 PK	68.2	-23.9	1.63 H	324	25.9	18.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	105.4 PK			1.21 V	241	101.5	3.9
2	*5610.00	95.0 AV			1.21 V	241	91.1	3.9
3	#5725.00	63.1 PK	68.2	-5.1	1.21 V	241	59.4	3.7
4	11220.00	47.0 PK	74.0	-27.0	1.63 V	242	32.4	14.6
5	11220.00	37.0 AV	54.0	-17.0	1.63 V	242	22.4	14.6
6	#16830.00	48.6 PK	68.2	-19.6	2.37 V	194	30.2	18.4

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	103.8 PK			1.12 H	332	100.1	3.7
2	*5690.00	95.2 AV			1.12 H	332	91.5	3.7
3	#5850.00	62.0 PK	68.2	-6.2	1.12 H	332	58.1	3.9
4	11380.00	46.7 PK	74.0	-27.3	1.28 H	270	31.7	15.0
5	11380.00	36.8 AV	54.0	-17.2	1.28 H	270	21.8	15.0
6	#17070.00	45.6 PK	68.2	-22.6	1.71 H	301	26.7	18.9
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	*5690.00	106.8 PK			1.13 V	223	103.1	3.7
2	*5690.00	97.8 AV			1.13 V	223	94.1	3.7
3	#5850.00	63.7 PK	68.2	-4.5	1.13 V	223	59.8	3.9
4	11380.00	47.4 PK	74.0	-26.6	1.63 V	236	32.4	15.0
5	11380.00	36.5 AV	54.0	-17.5	1.63 V	236	21.5	15.0
6	#17070.00	48.8 PK	68.2	-19.4	2.16 V	165	29.9	18.9

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Owen Lee		

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	*5775.00	100.2 PK			1.01 H	277	96.3	3.9
2	*5775.00	90.0 AV			1.01 H	277	86.1	3.9
3	#5788.13	55.1 PK	68.2	-13.1	1.01 H	277	51.1	4.0
4	#5935.69	55.2 PK	68.2	-13.0	1.01 H	277	51.1	4.1
5	11550.00	45.6 PK	74.0	-28.4	1.44 H	299	30.9	14.7
6	11550.00	36.8 AV	54.0	-17.2	1.44 H	299	22.1	14.7
7	#17325.00	45.1 PK	68.2	-23.1	1.81 H	299	26.0	19.1
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	#5641.28	63.4 PK	68.2	-4.8	1.17 V	215	59.5	3.9
2	*5775.00	102.9 PK			1.17 V	215	99.0	3.9
3	*5775.00	92.2 AV			1.17 V	215	88.3	3.9
4	#5970.90	54.8 PK	68.2	-13.4	1.17 V	215	50.6	4.2
5	11550.00	47.7 PK	74.0	-26.3	1.43 V	246	33.0	14.7
6	11550.00	36.6 AV	54.0	-17.4	1.43 V	246	21.9	14.7
7	#17325.00	48.2 PK	68.2	-20.0	2.09 V	186	29.1	19.1

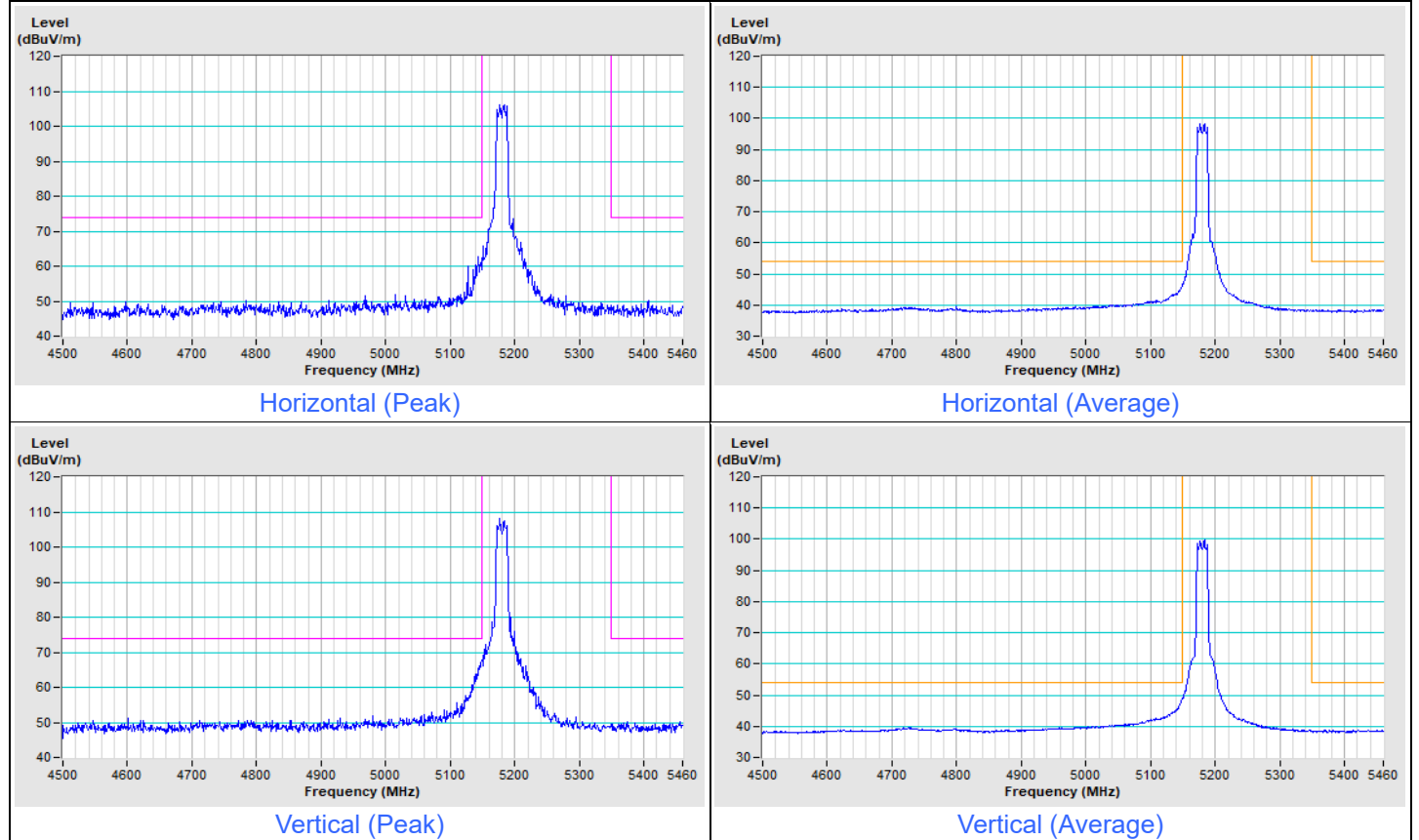
Remarks:

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

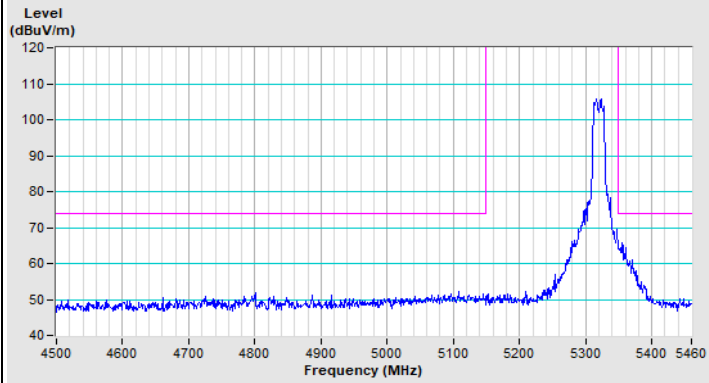
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
-----------------	--------------------	-------------------------------	--

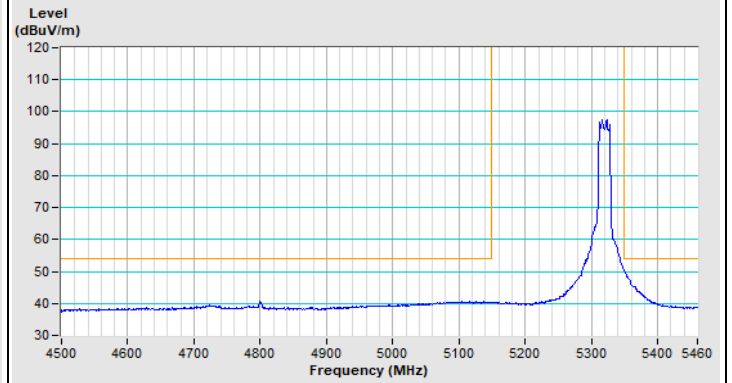
802.11a Channel 36



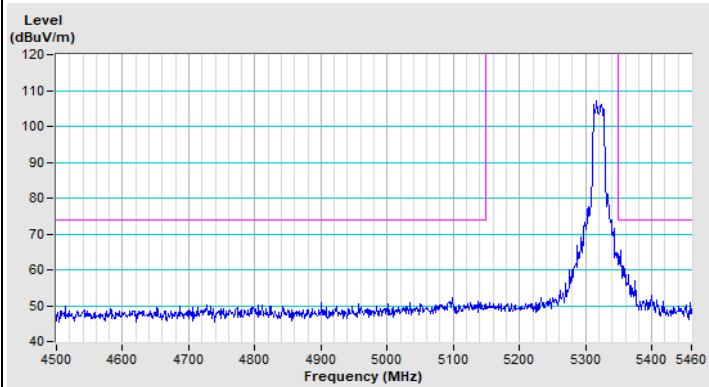
802.11a Channel 64



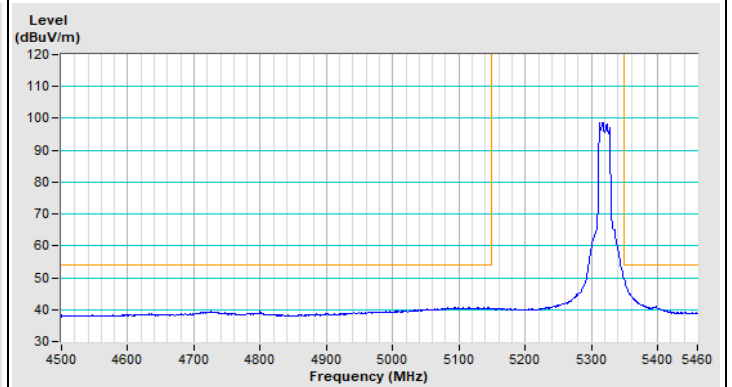
Horizontal (Peak)



Horizontal (Average)



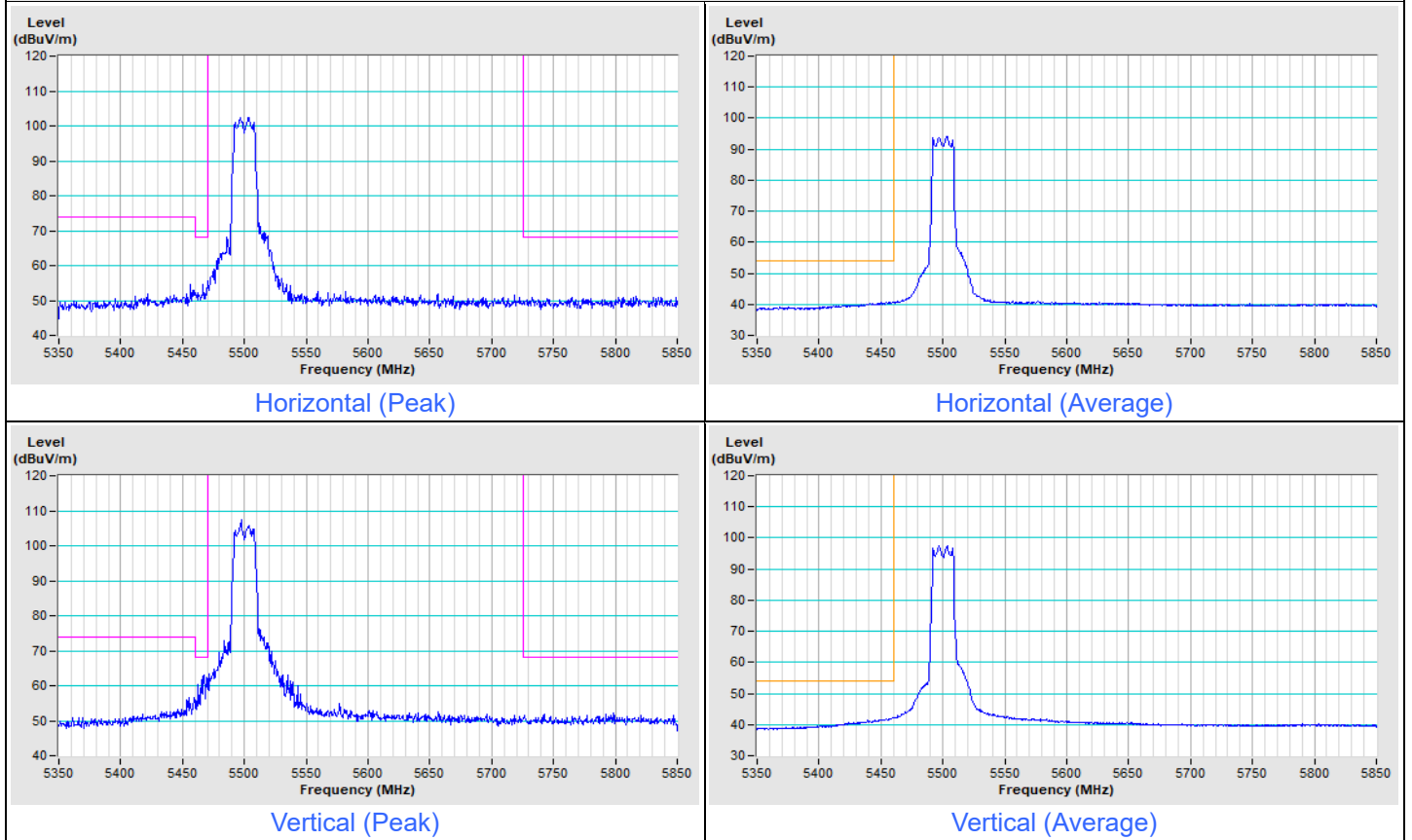
Vertical (Peak)



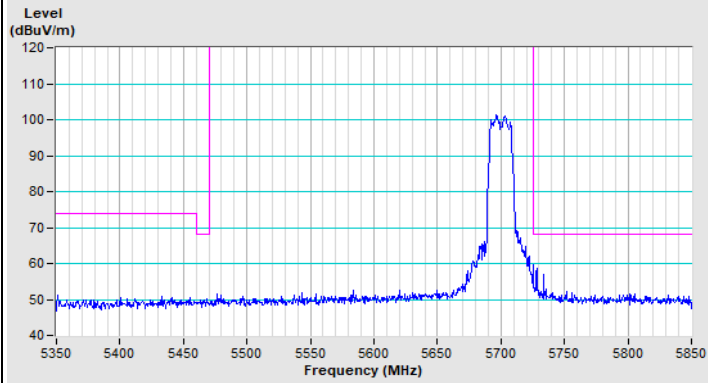
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
-----------------	---------------------	-------------------------------	--

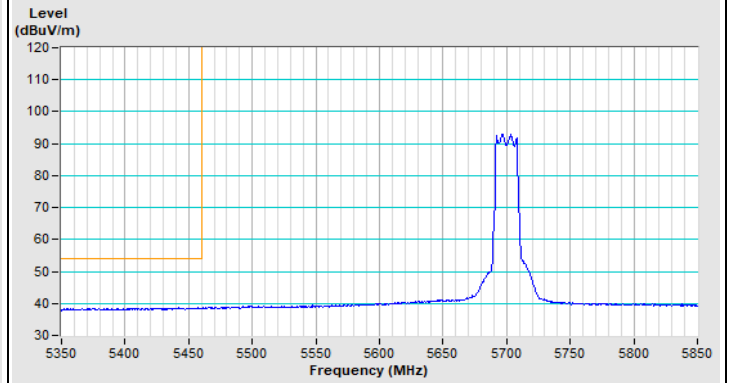
802.11a Channel 100



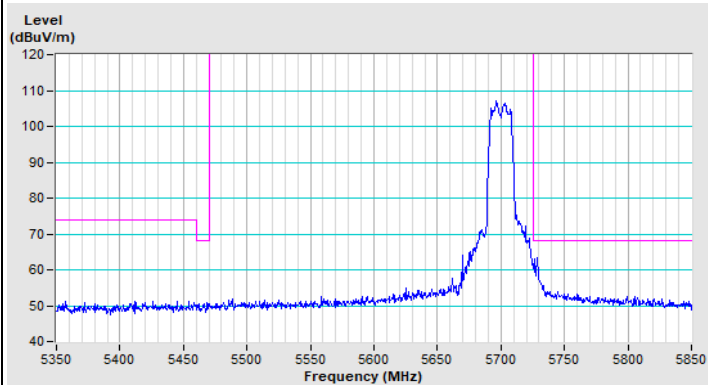
802.11a Channel 140



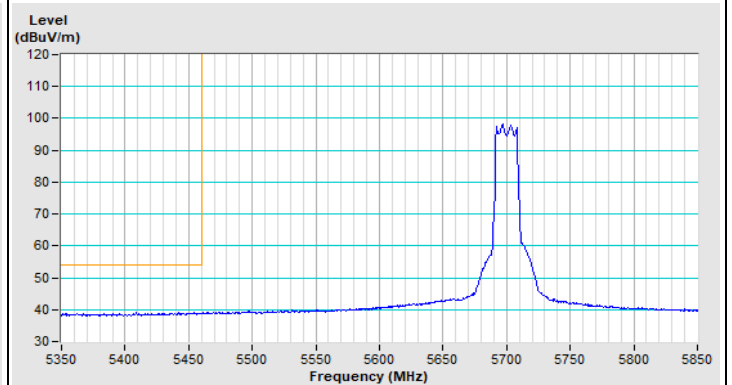
Horizontal (Peak)



Horizontal (Average)



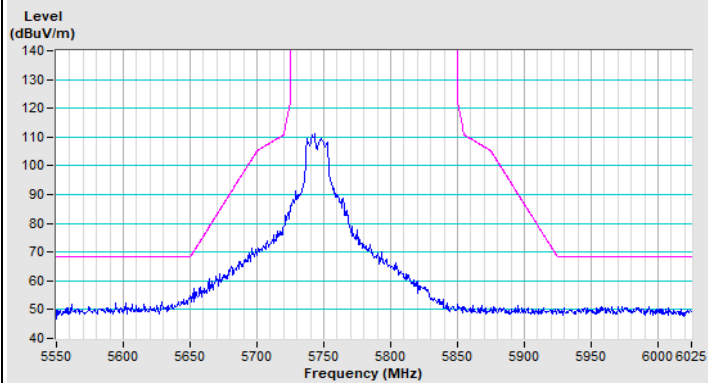
Vertical (Peak)



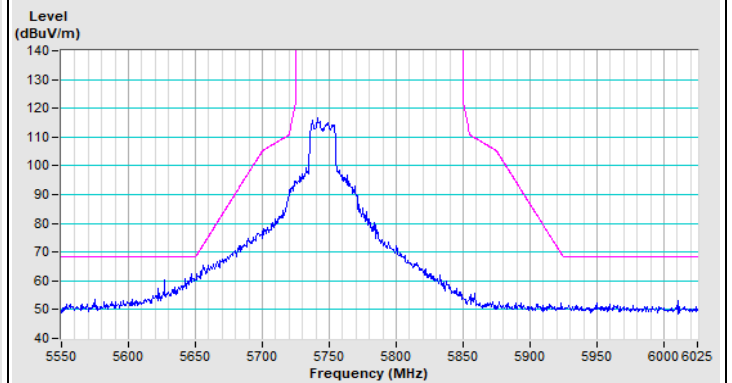
Vertical (Average)

Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	----------------------	-------------------------------	----------------------------------

802.11a Channel 149

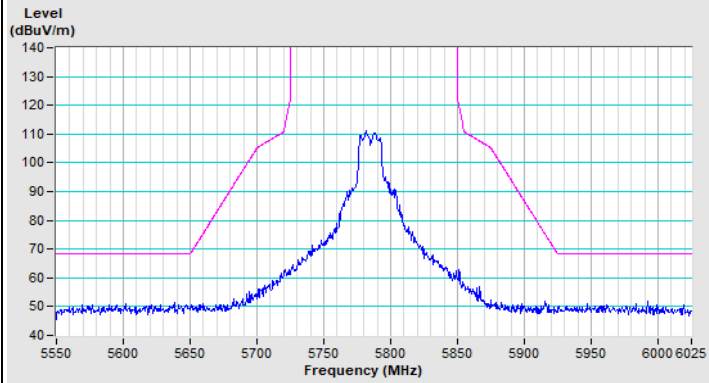


Horizontal (Peak)

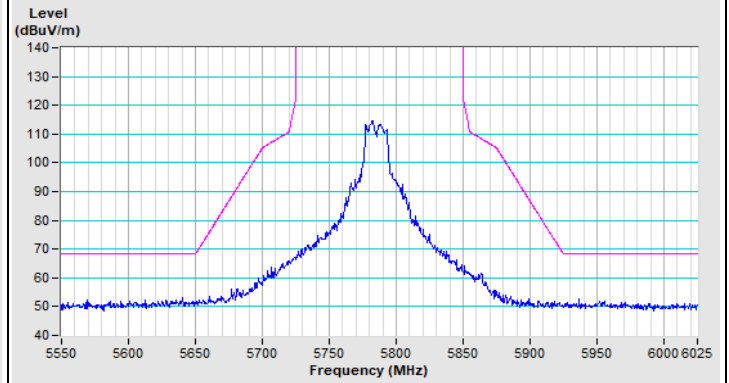


Vertical (Peak)

802.11a Channel 157

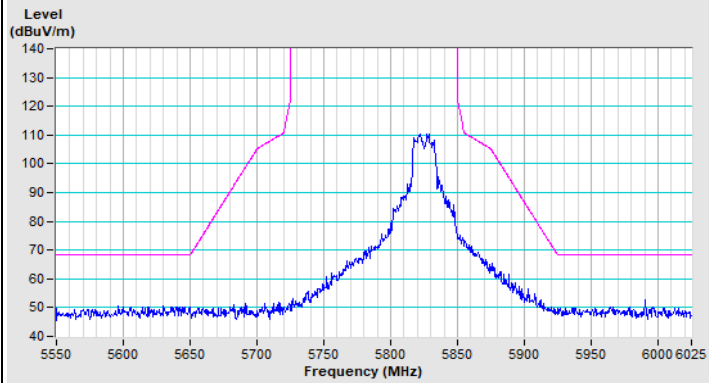


Horizontal (Peak)

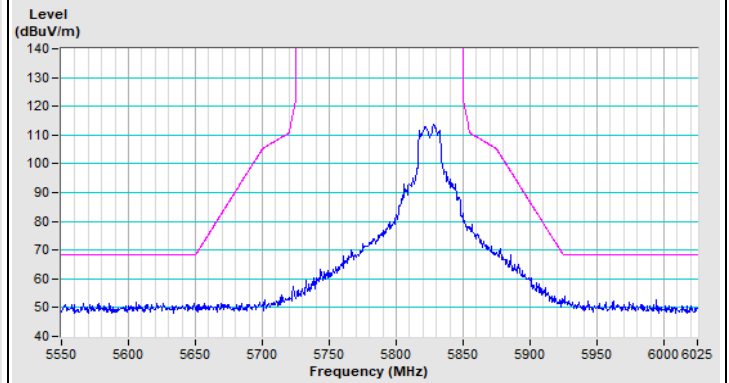


Vertical (Peak)

802.11a Channel 165

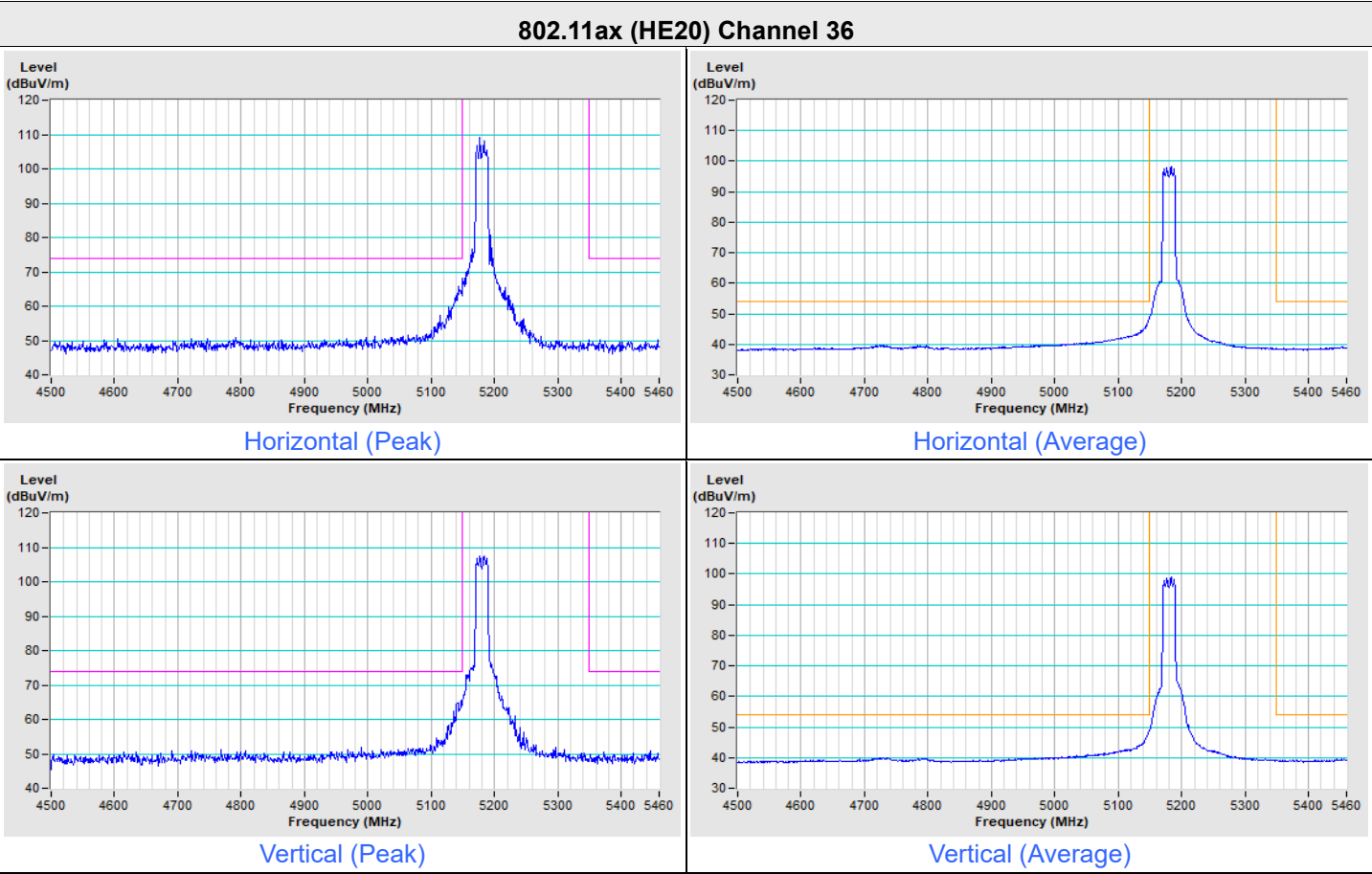


Horizontal (Peak)

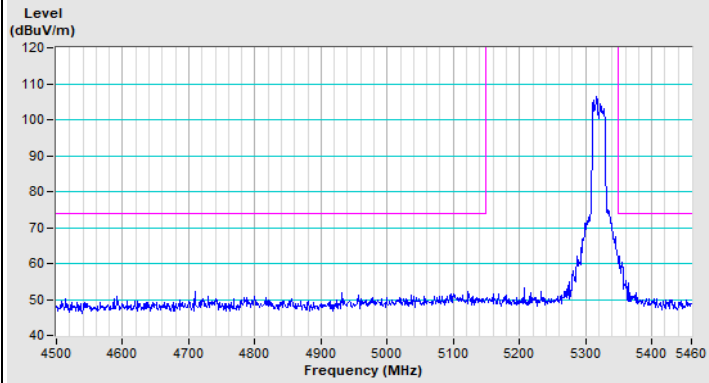


Vertical (Peak)

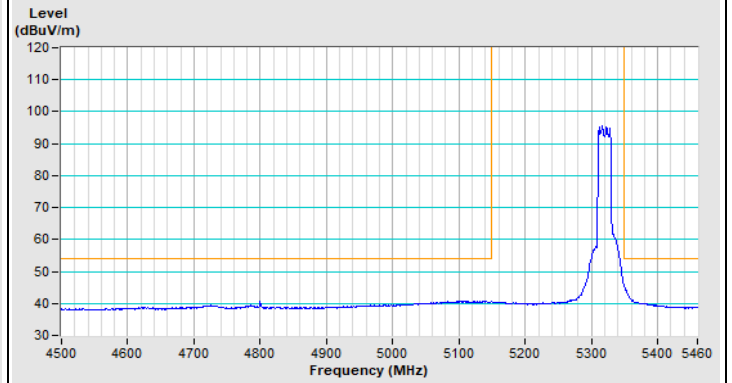
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
-----------------	--------------------	-------------------------------	--



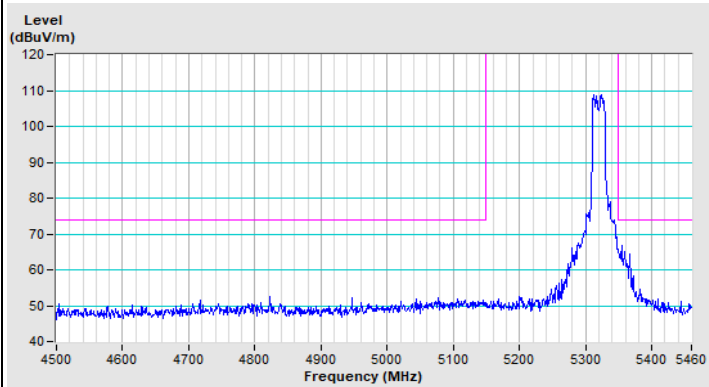
802.11ax (HE20) Channel 64



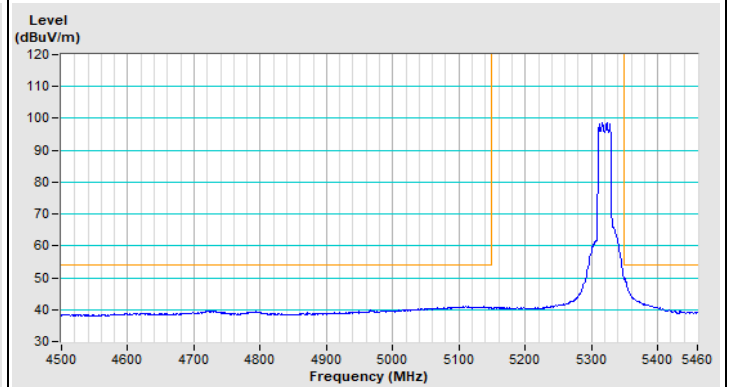
Horizontal (Peak)



Horizontal (Average)



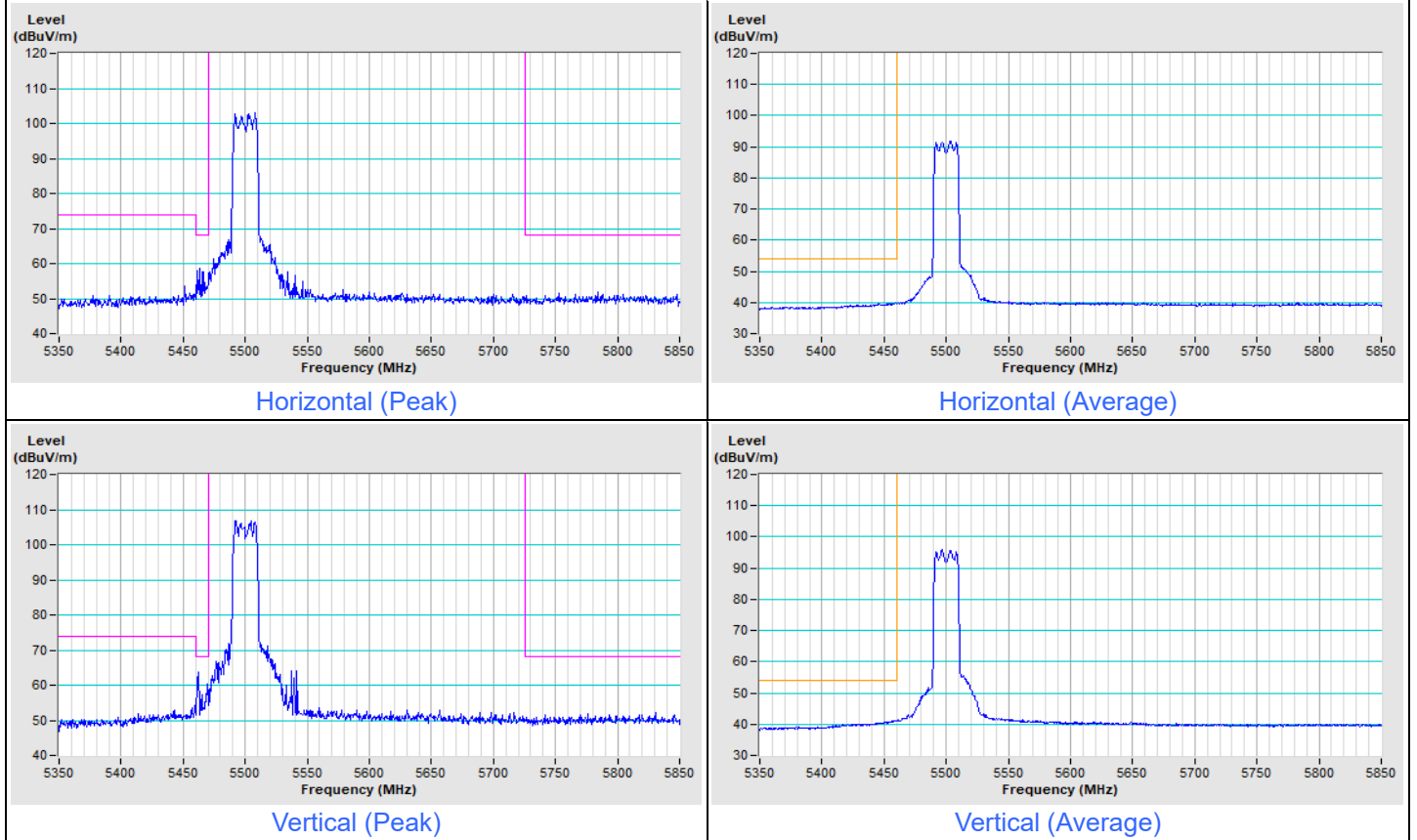
Vertical (Peak)



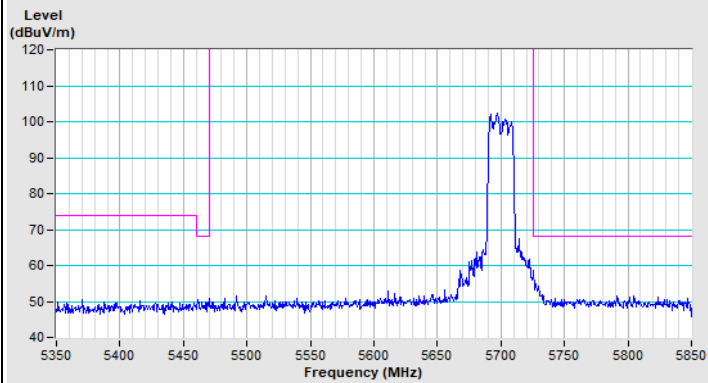
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
-----------------	---------------------	-------------------------------	--

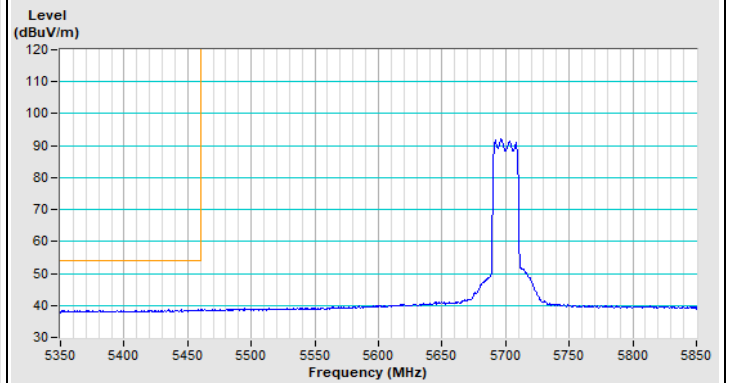
802.11ax (HE20) Channel 100



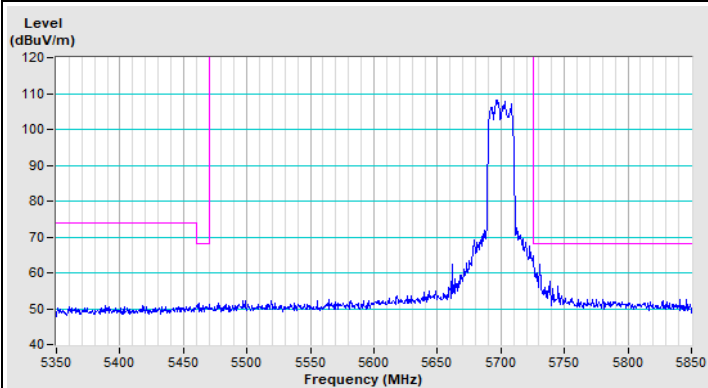
802.11ax (HE20) Channel 140



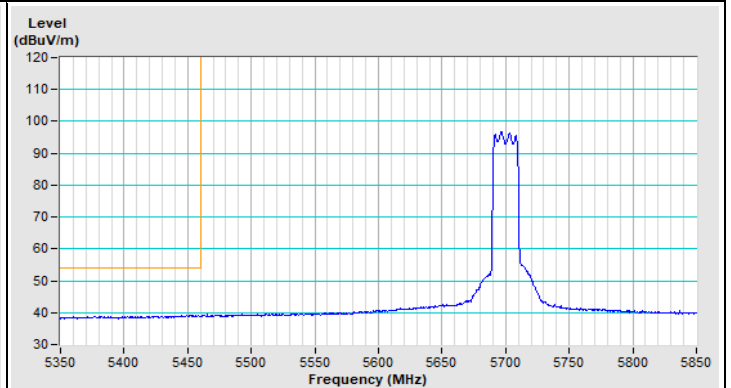
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

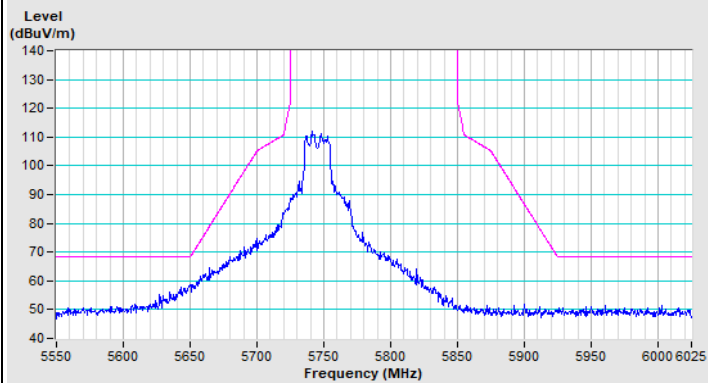
Frequency Range

5.55 GHz ~ 6.025 GHz

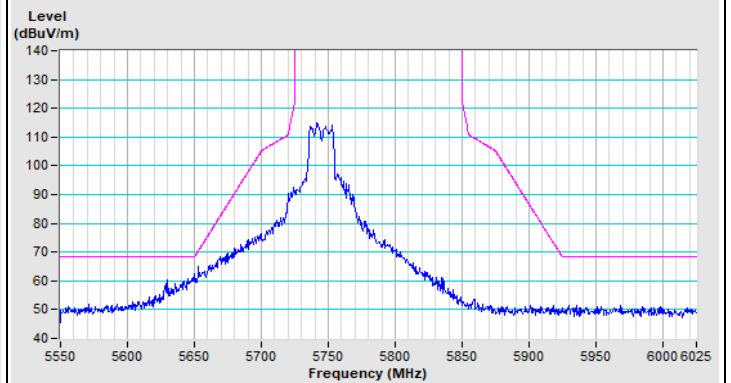
Detector Function &
Bandwidth

PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11ax (HE20) Channel 149

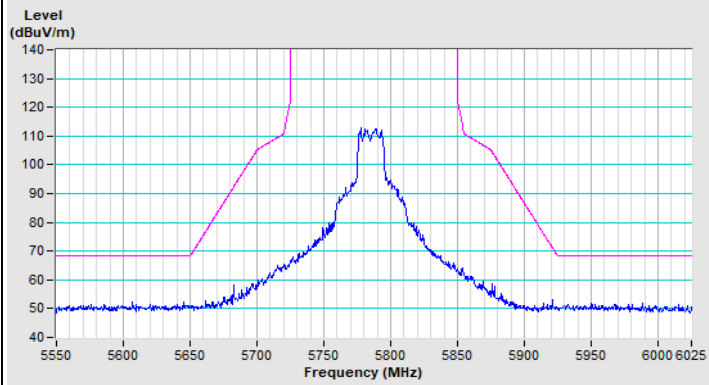


Horizontal (Peak)

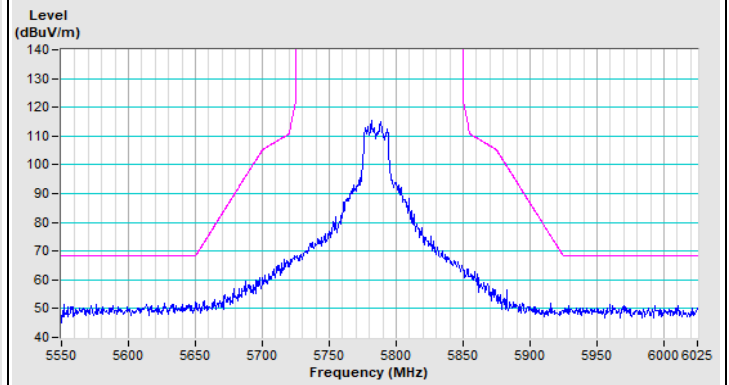


Vertical (Peak)

802.11ax (HE20) Channel 157

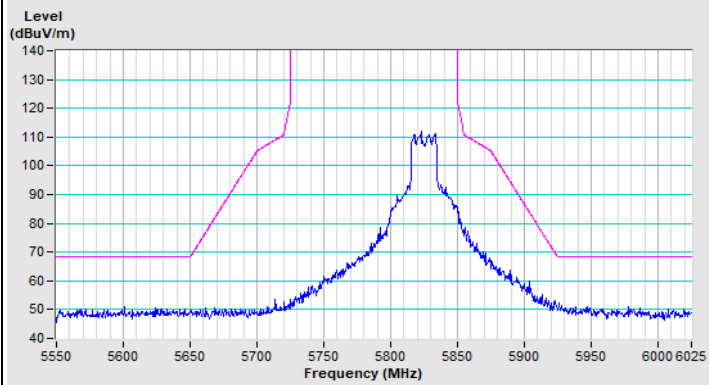


Horizontal (Peak)

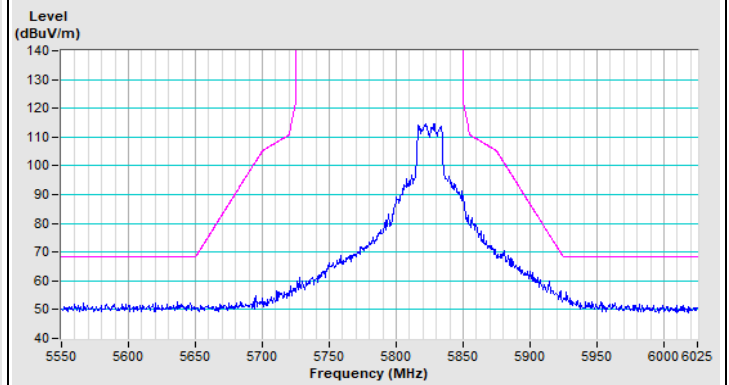


Vertical (Peak)

802.11ax (HE20) Channel 165



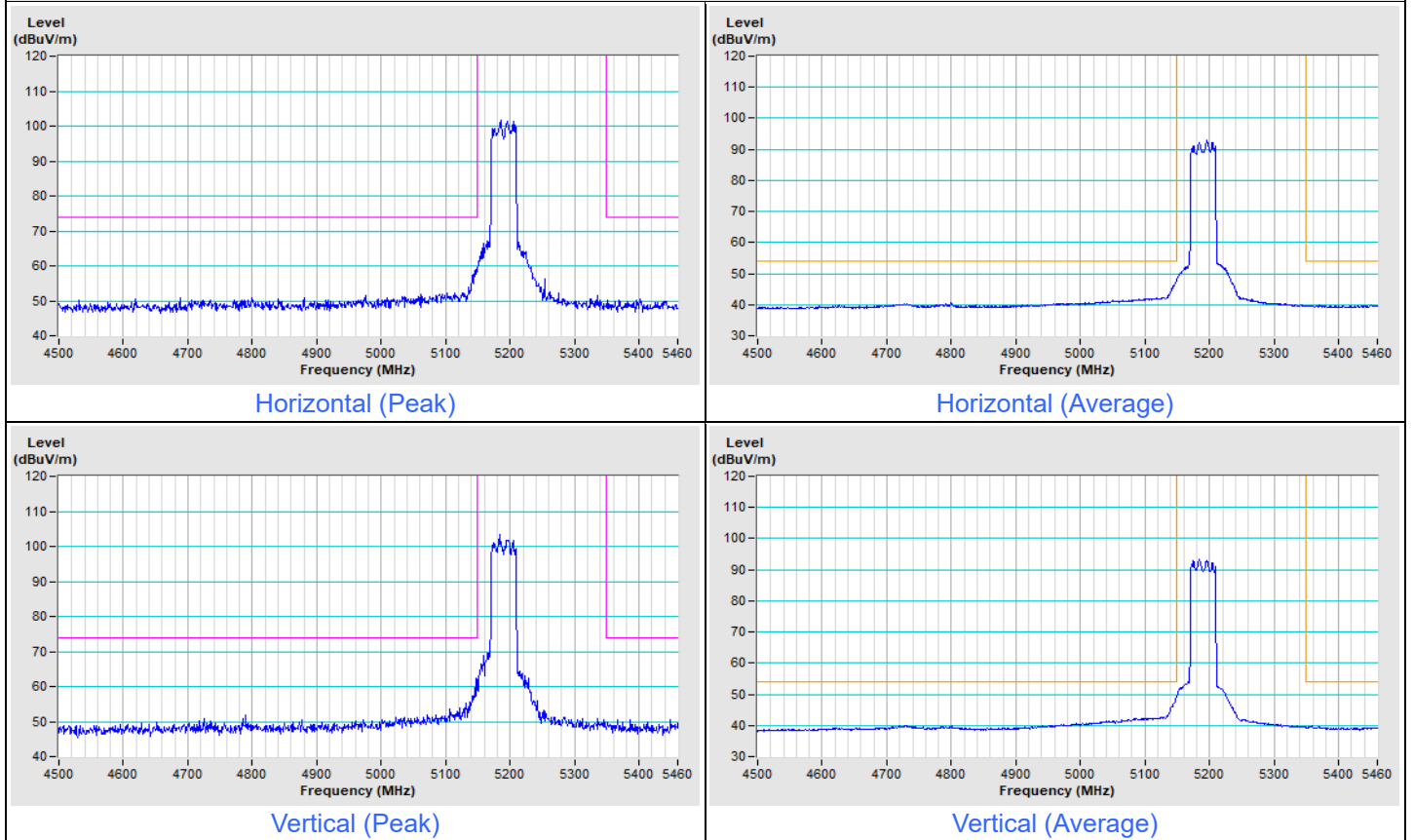
Horizontal (Peak)



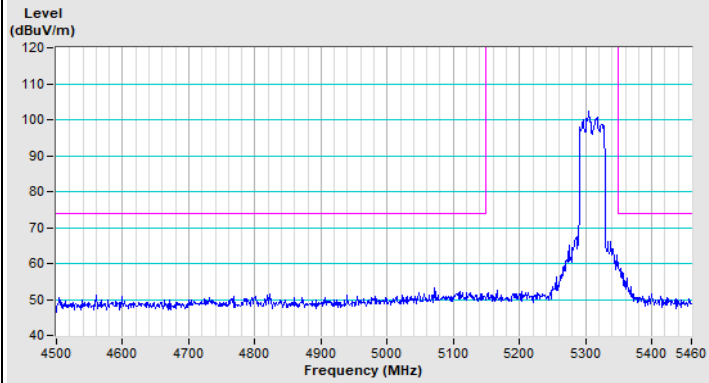
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
-----------------	--------------------	-------------------------------	--

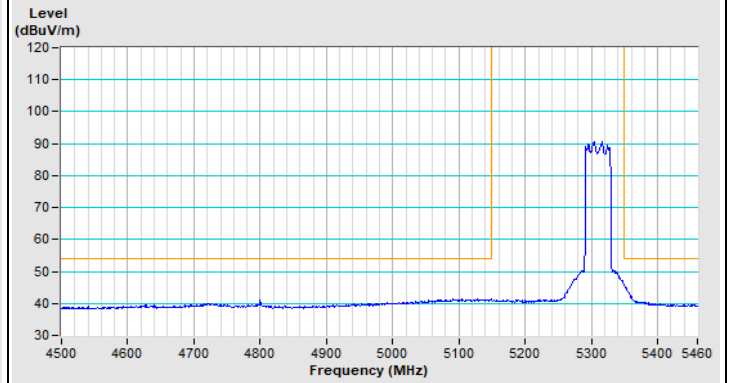
802.11ax (HE40) Channel 38



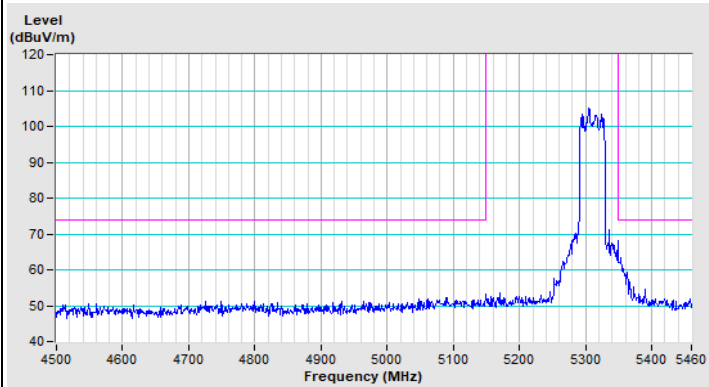
802.11ax (HE40) Channel 62



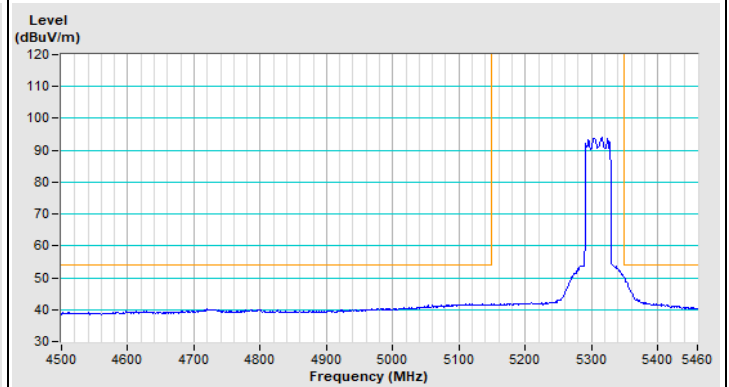
Horizontal (Peak)



Horizontal (Average)



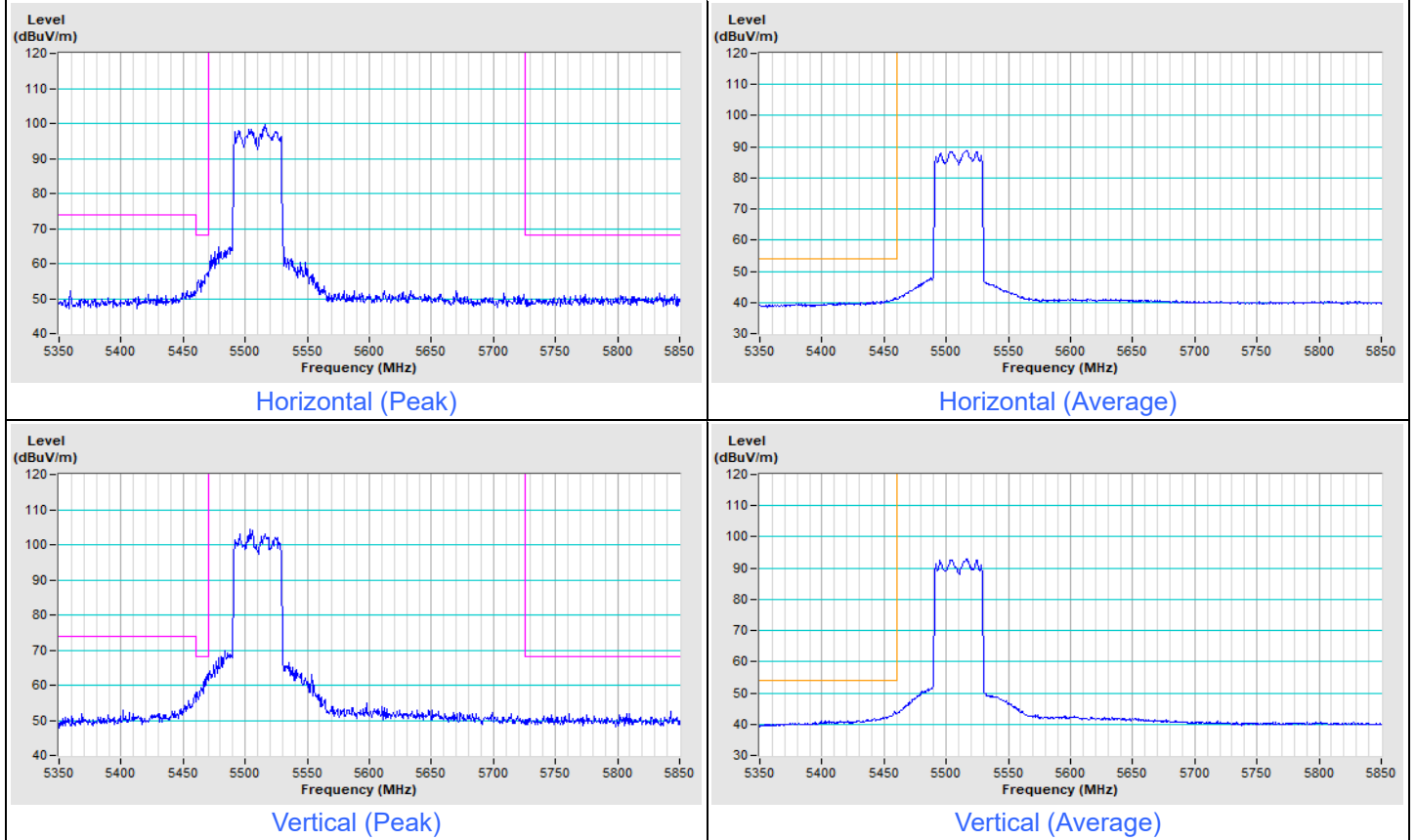
Vertical (Peak)



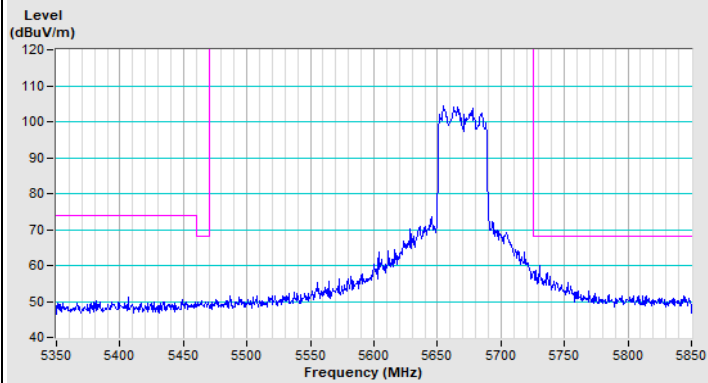
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
-----------------	---------------------	-------------------------------	--

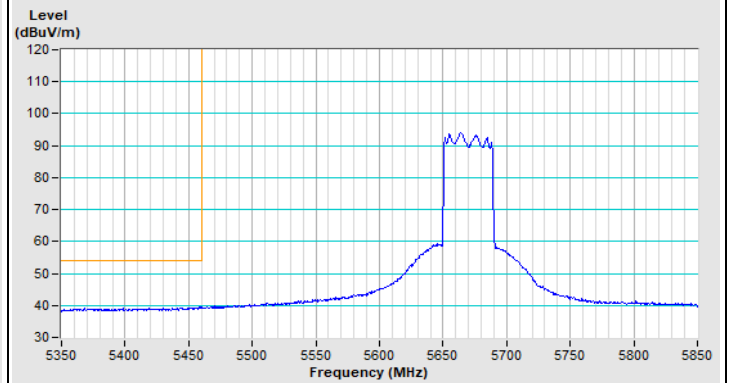
802.11ax (HE40) Channel 102



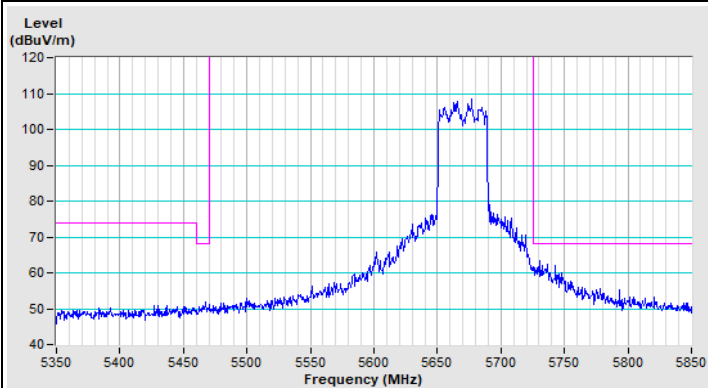
802.11ax (HE40) Channel 134



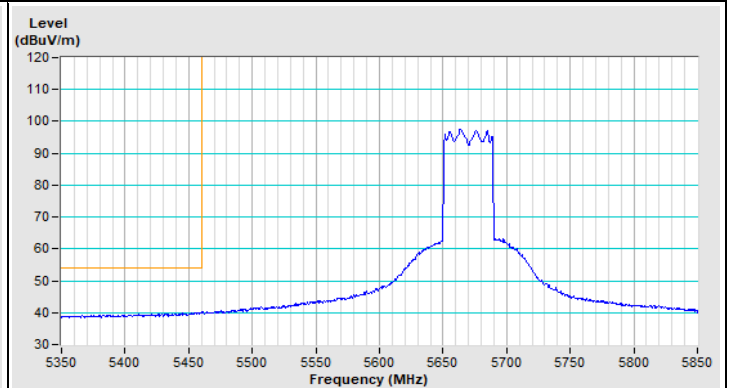
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

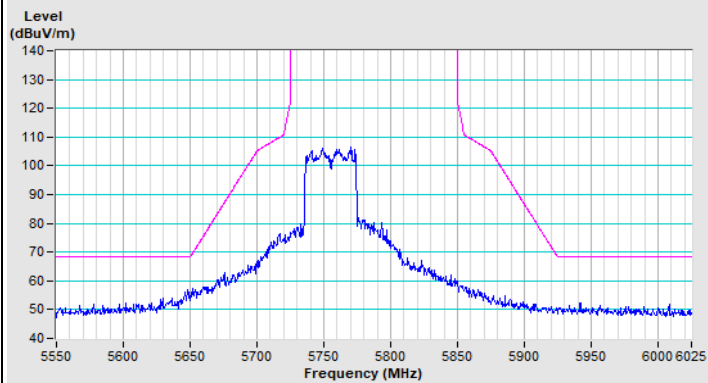
Frequency Range

5.55 GHz ~ 6.025 GHz

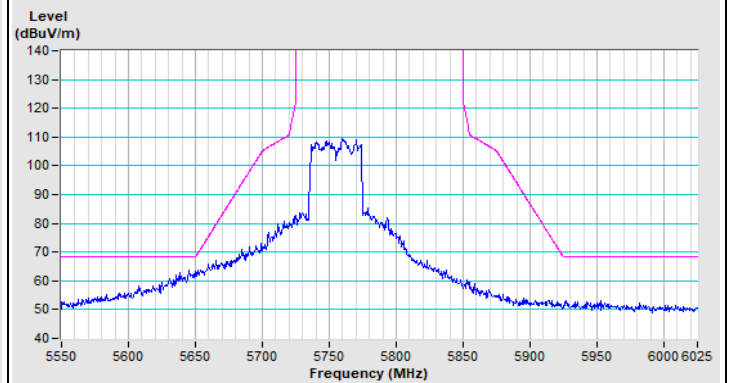
Detector Function &
Bandwidth

PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11ax (HE40) Channel 151

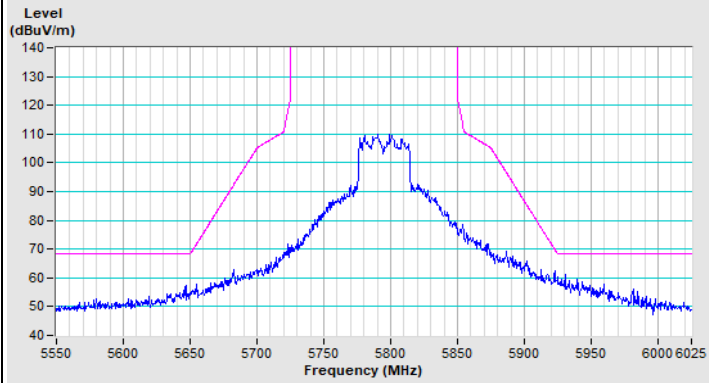


Horizontal (Peak)

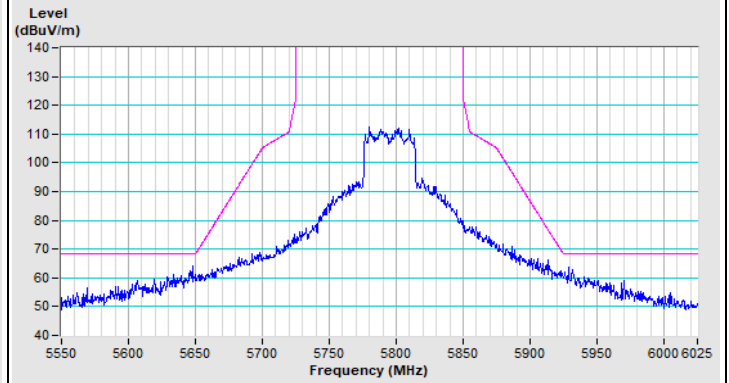


Vertical (Peak)

802.11ax (HE40) Channel 159



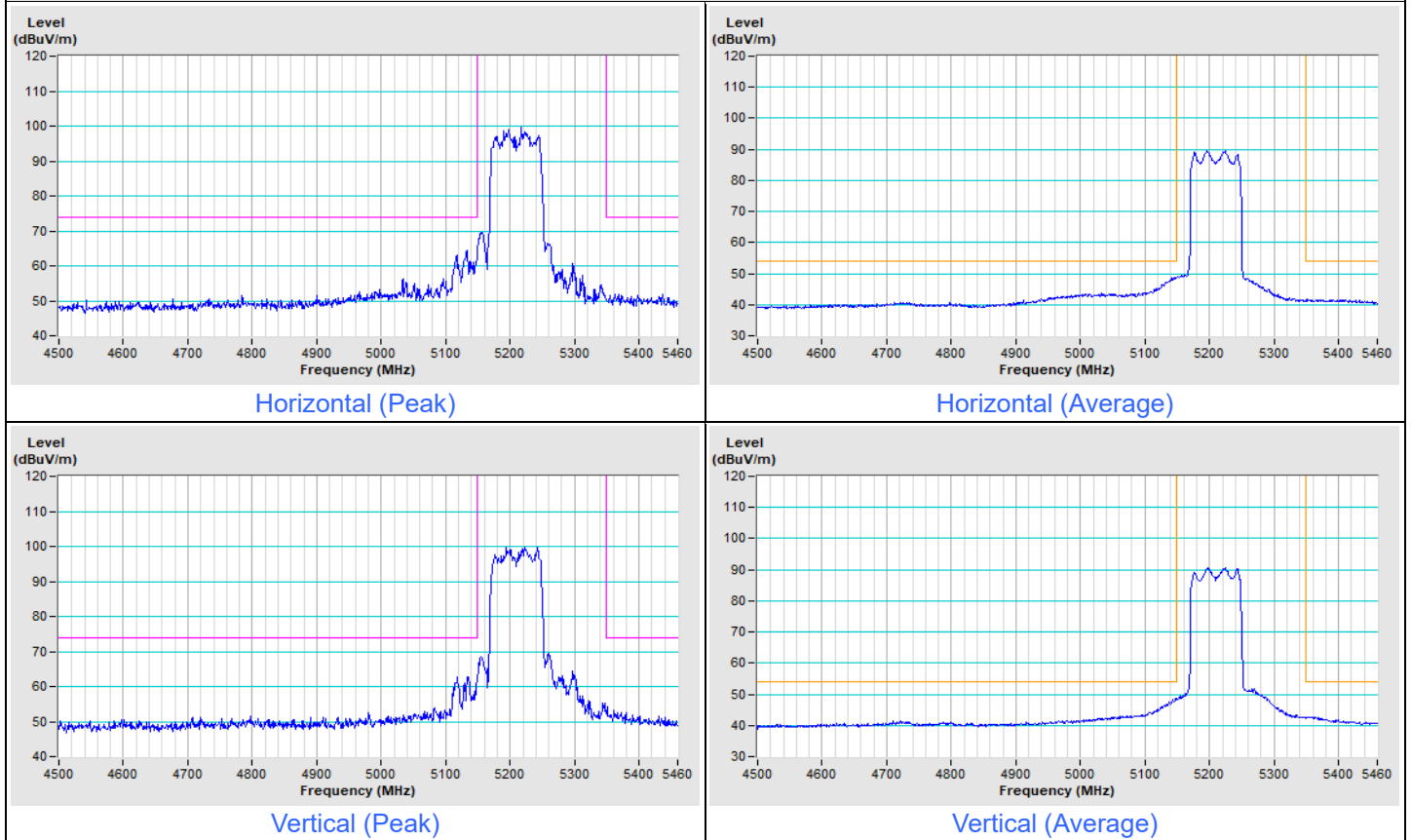
Horizontal (Peak)



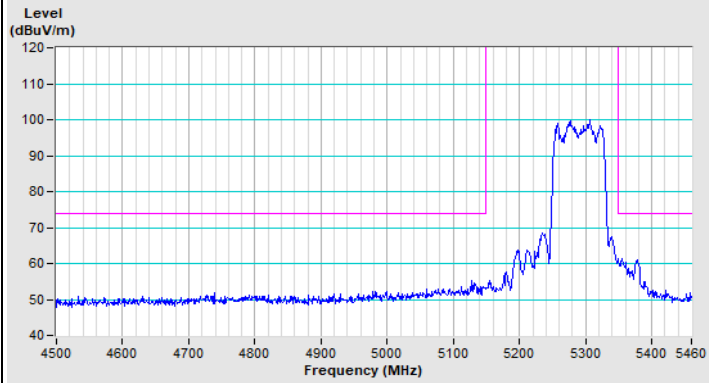
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
-----------------	--------------------	-------------------------------	--

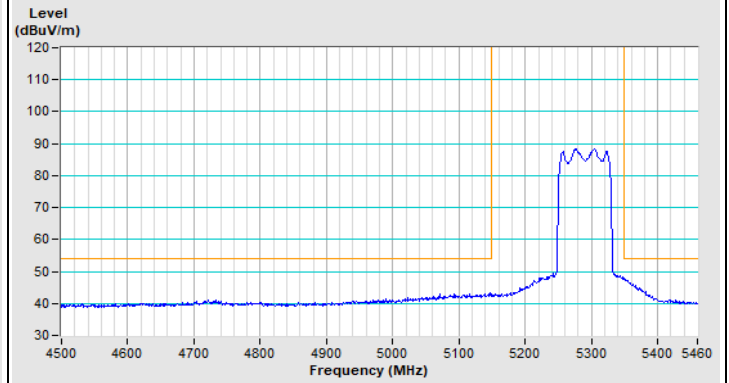
802.11ax (HE80) Channel 42



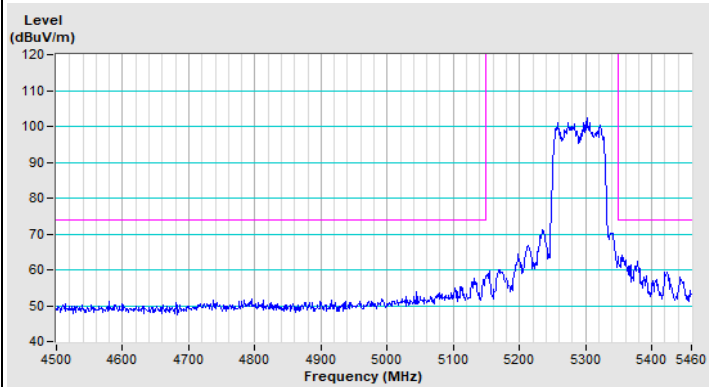
802.11ax (HE80) Channel 58



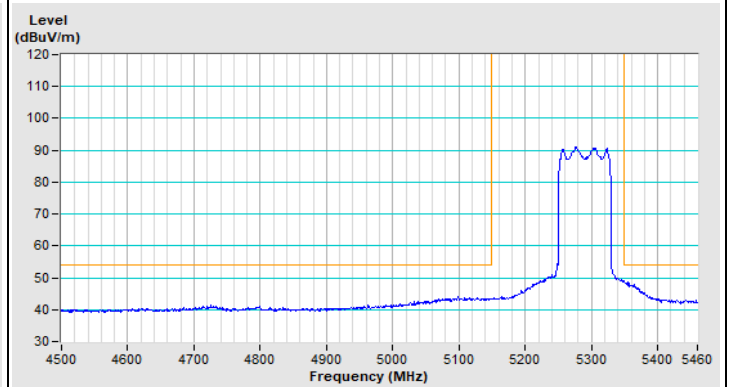
Horizontal (Peak)



Horizontal (Average)



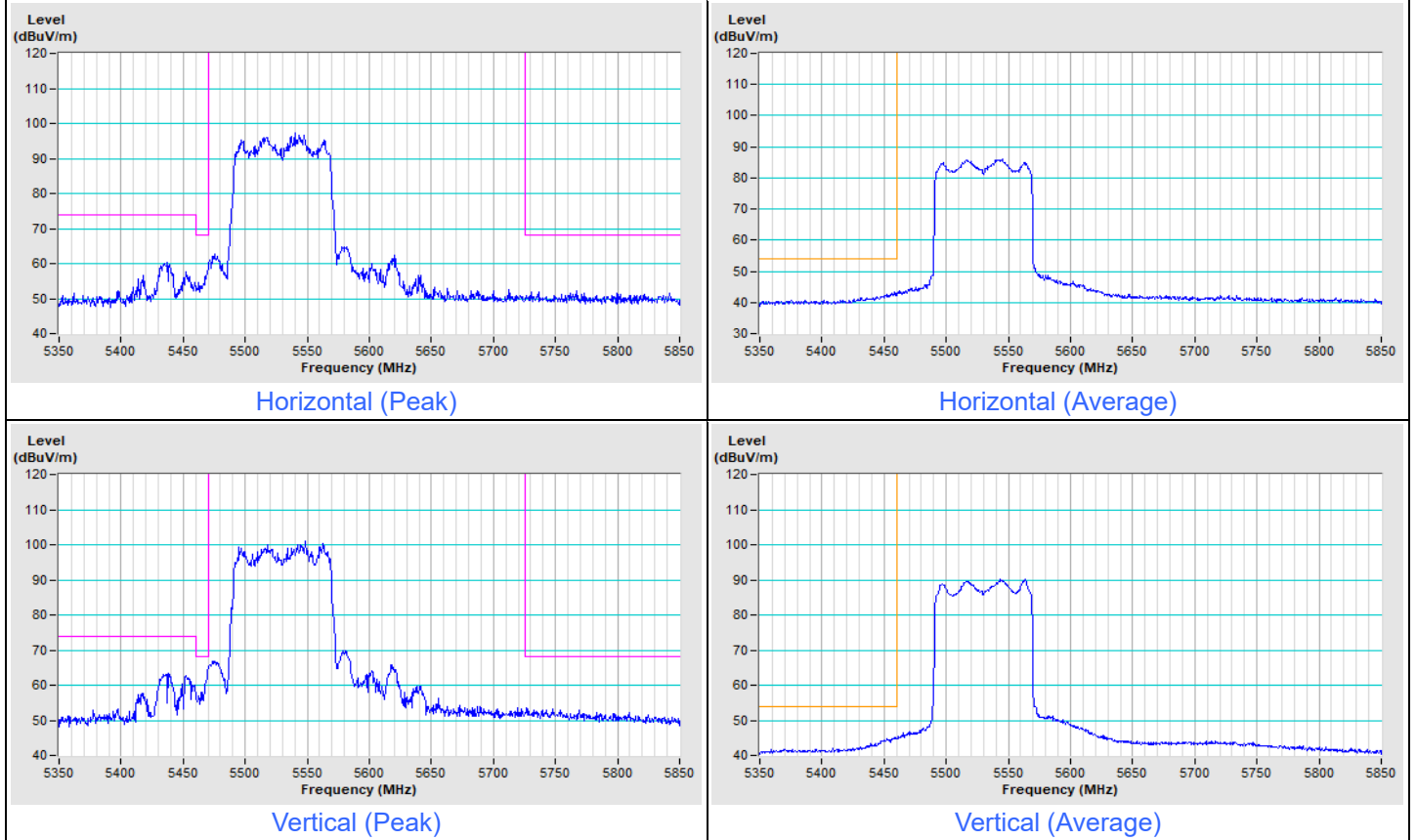
Vertical (Peak)



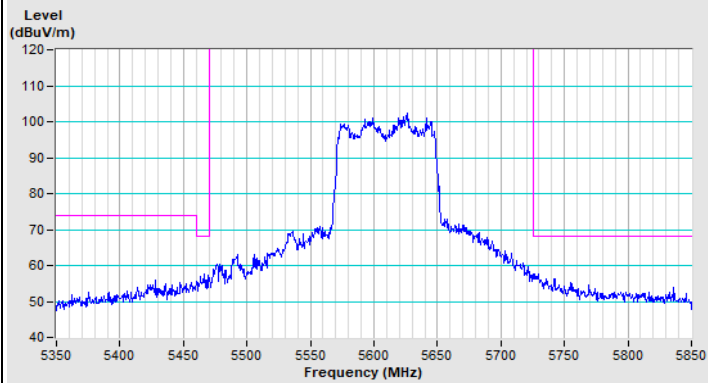
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
-----------------	---------------------	-------------------------------	--

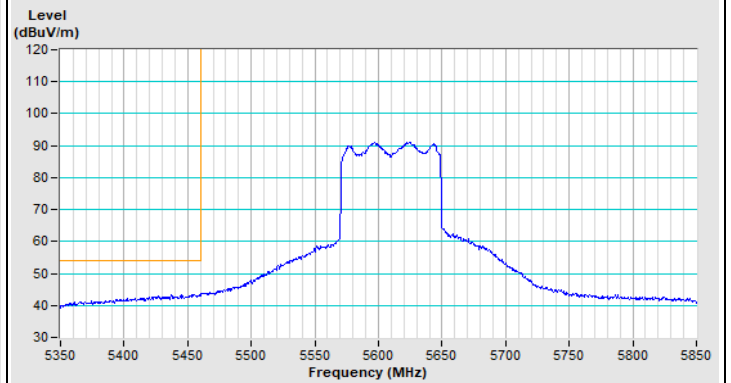
802.11ax (HE80) Channel 106



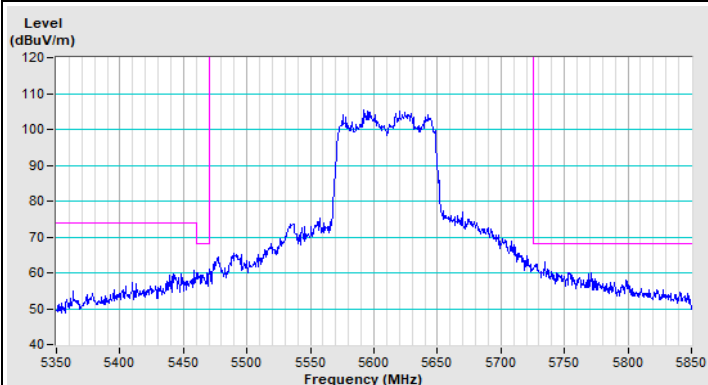
802.11ax (HE80) Channel 122



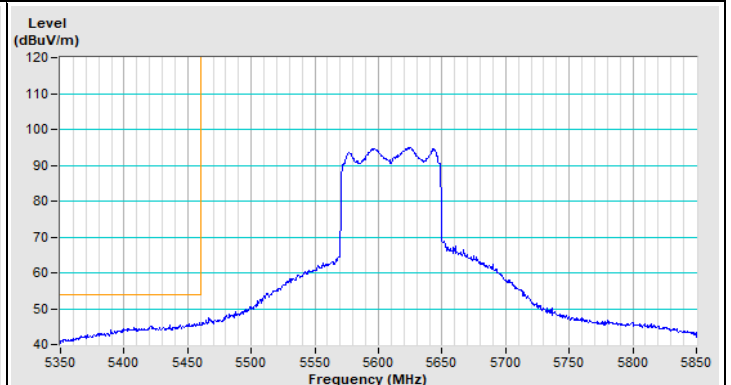
Horizontal (Peak)



Horizontal (Average)



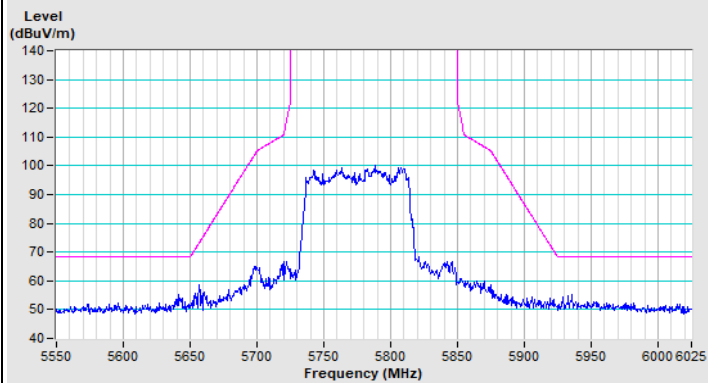
Vertical (Peak)



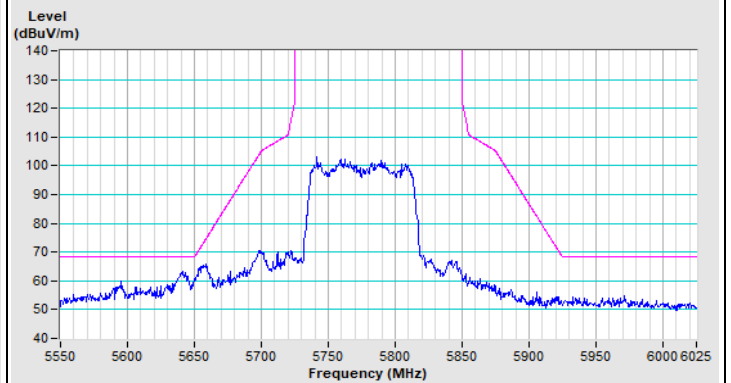
Vertical (Average)

Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	----------------------	-------------------------------	----------------------------------

802.11ax (HE80) Channel 155



Horizontal (Peak)

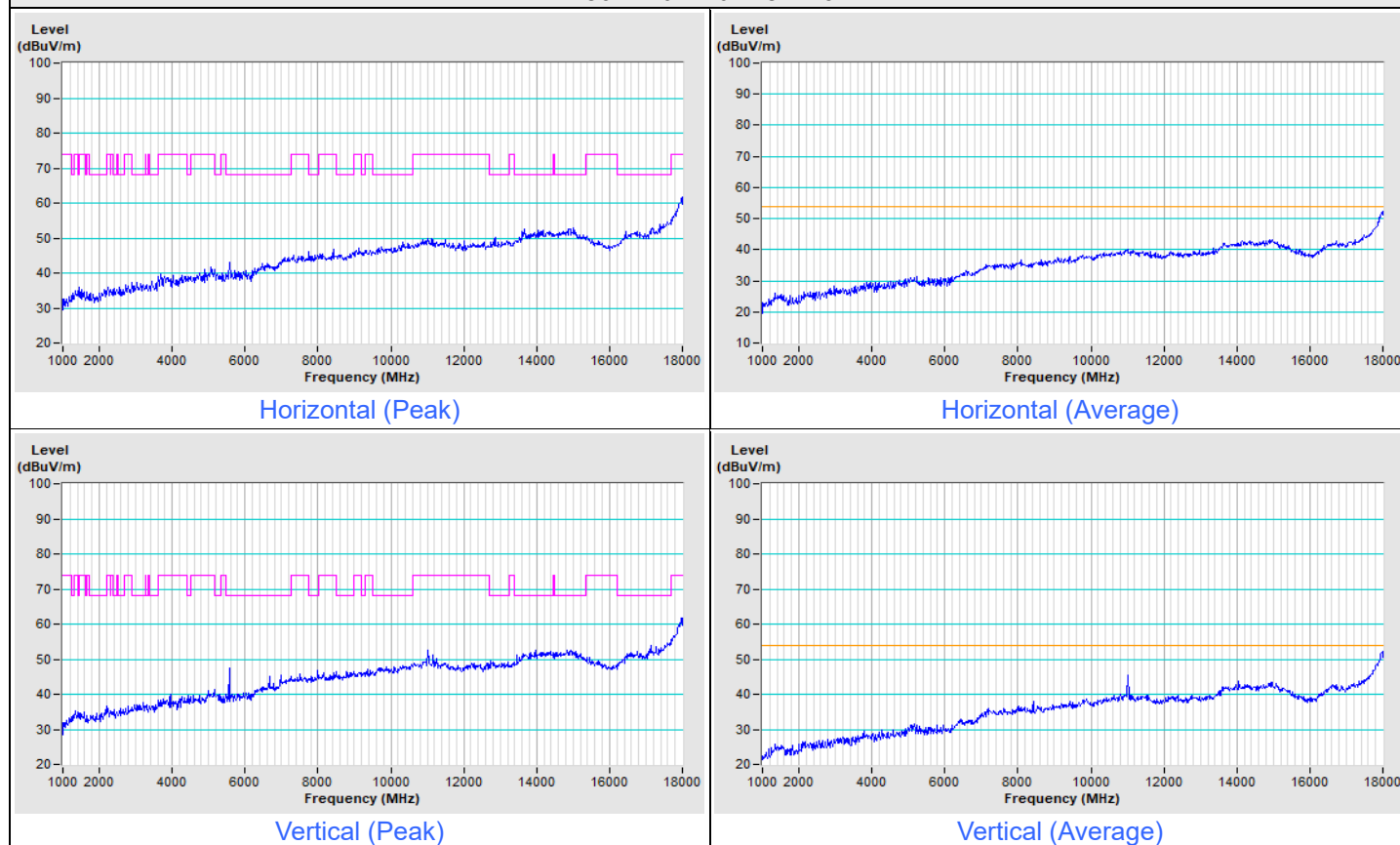


Vertical (Peak)

Plot of Other Emission

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
-----------------	----------------	-------------------------------	---

802.11a Channel 116

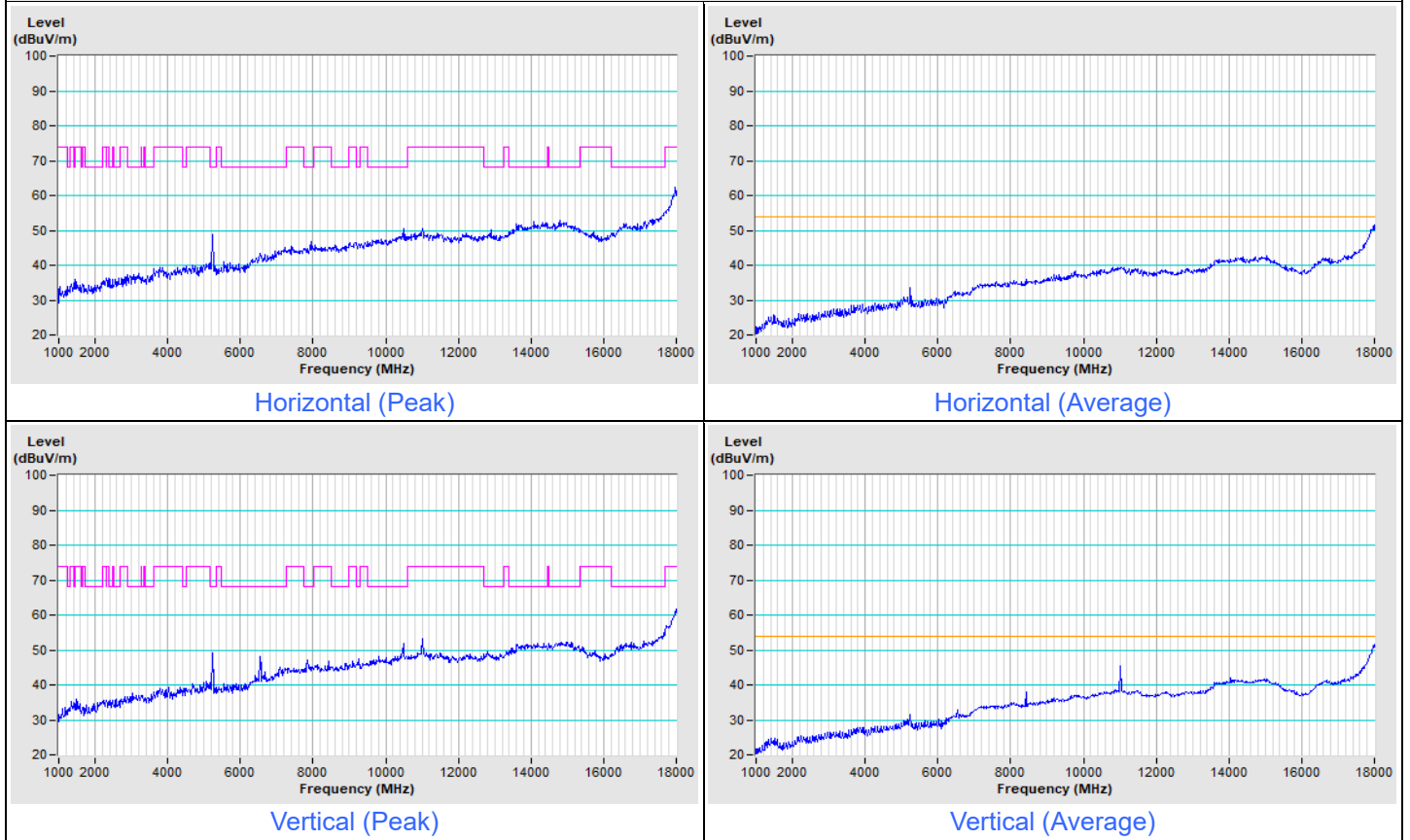


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
-----------------	----------------	-------------------------------	---

802.11ax (HE20) Channel 48

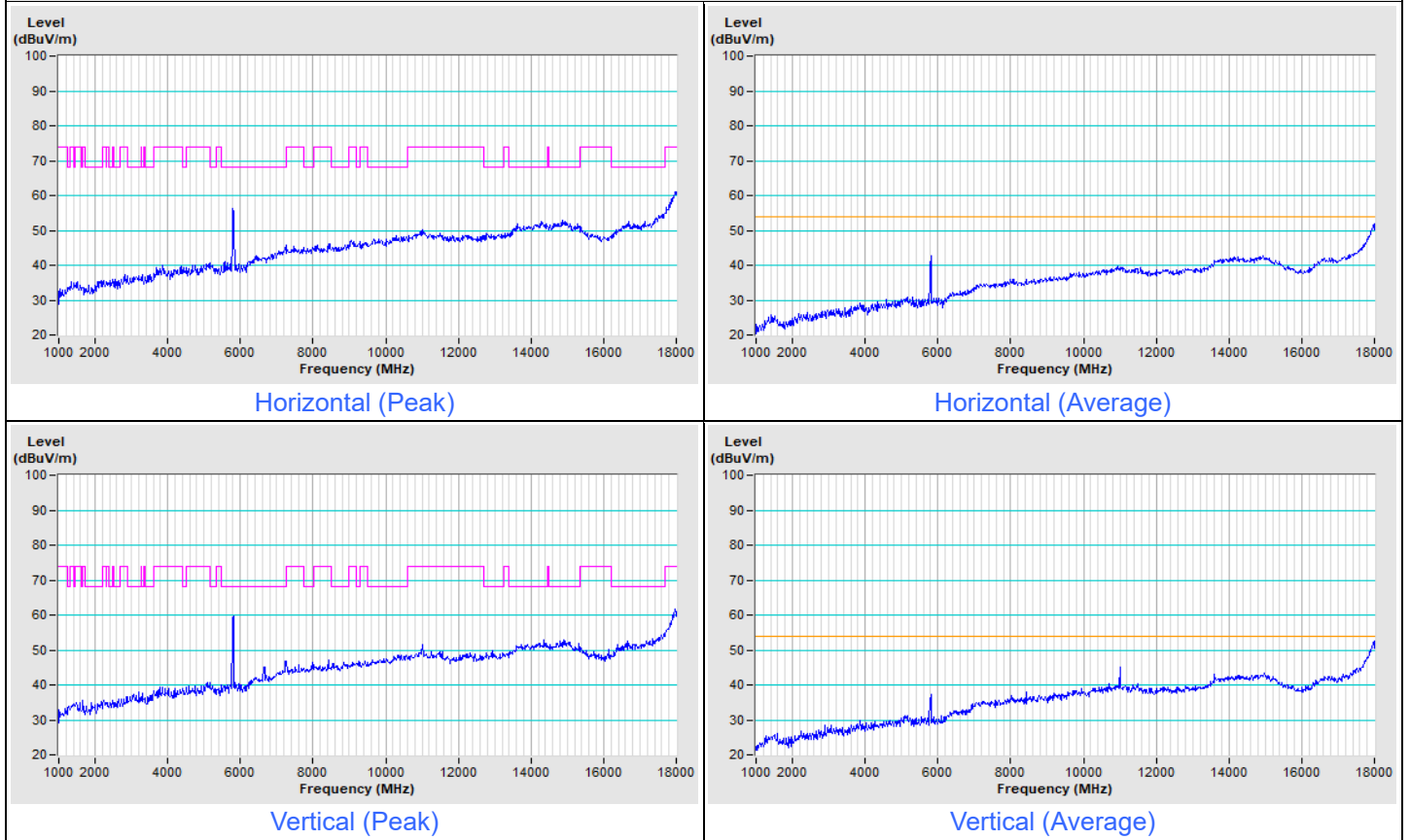


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
-----------------	----------------	-------------------------------	---

802.11ax (HE40) Channel 159

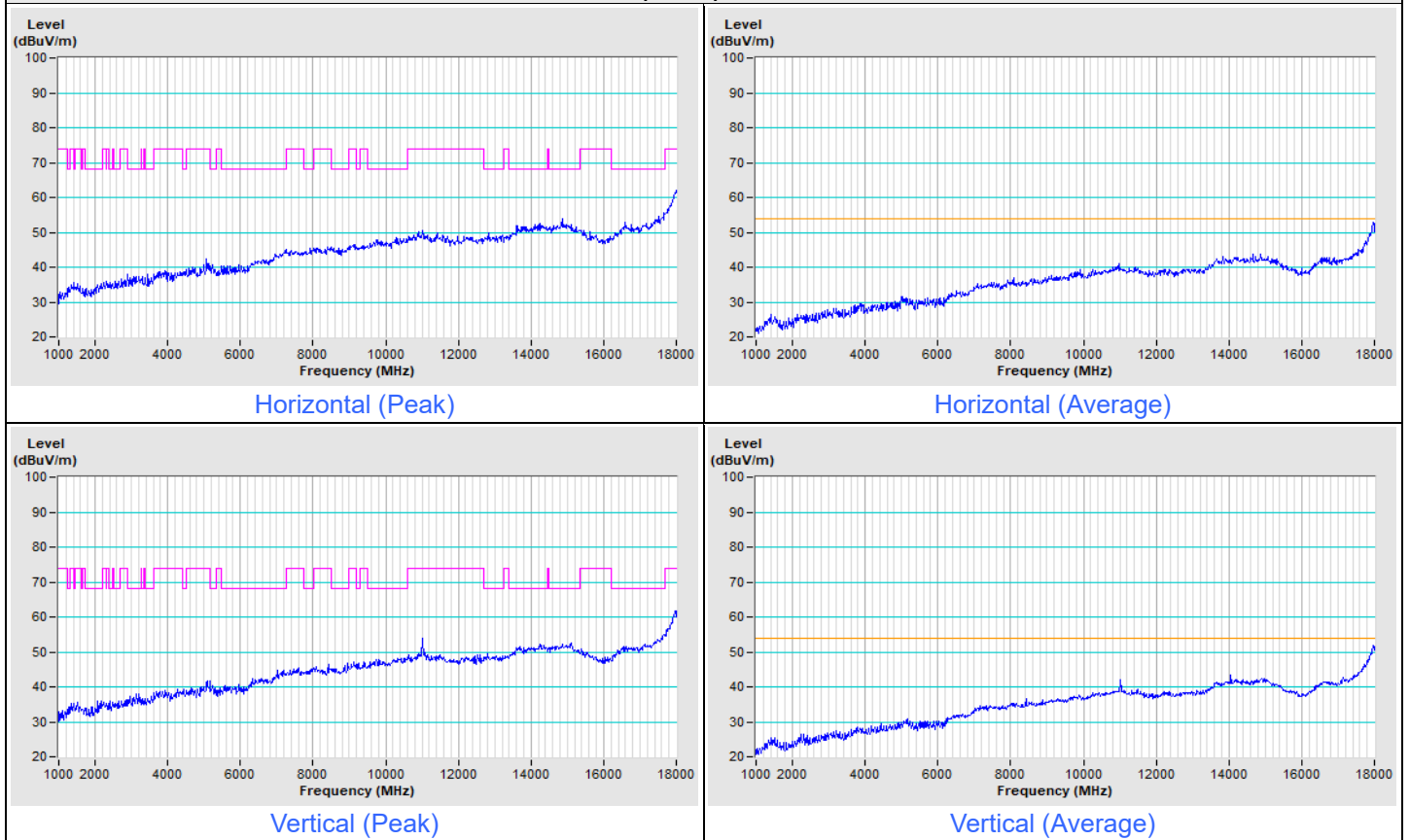


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
-----------------	----------------	-------------------------------	---

802.11ax (HE80) Channel 106



Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 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.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-(0)2-26052180

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-(0)3-6668565 (SIP)

Tel: 886-(0)3-5120595 (WD)

Hwa Ya EMC/RF/Safety/SAR Lab & Wenming EMC/RF Lab

Tel: 886-(0)3-3183232

Email: service.adt@bureauveritas.com

Web Site: <http://ee.bureauveritas.com.tw>

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

--- END ---