

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDKX-WTW-P26060565-3
FCC ID: 2ALXJ-MTW500
Product: Meeting Owl 5
Brand: OWL LABS
Model No.: MTW500
Received Date: 2026/6/25
Test Date: 2026/7/7 ~ 2026/7/17
Issued Date: 2026/9/1
Applicant: Owl Labs Inc.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
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Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City 244, Taiwan
FCC Registration / 198487 / TW2021
Designation Number:

Approved by: _____

Jeremy Lin

Jeremy Lin / Project Engineer

, Date: _____

2026/9/1

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Prepared by : Annie Chang / Senior Specialist



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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	15
4 Test Instruments	16
4.1 26 dB Bandwidth	16
4.2 RF Output Power	16
4.3 Power Spectral Density	16
4.4 6 dB Bandwidth	16
4.5 Occupied Bandwidth	17
4.6 AC Power Conducted Emissions	17
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	23
6.1 26 dB Bandwidth	23
6.1.1 Test Setup	23
6.1.2 Test Procedure	23
6.2 RF Output Power	24
6.2.1 Test Setup	24
6.2.2 Test Procedure	24
6.3 Power Spectral Density	25
6.3.1 Test Setup	25
6.3.2 Test Procedure	25
6.4 6 dB Bandwidth	26
6.4.1 Test Setup	26
6.4.2 Test Procedure	26
6.5 Occupied Bandwidth	26
6.5.1 Test Setup	26
6.5.2 Test Procedure	26
6.6 AC Power Conducted Emissions	27
6.6.1 Test Setup	27
6.6.2 Test Procedure	27
6.7 Unwanted Emissions below 1 GHz	28
6.7.1 Test Setup	28
6.7.2 Test Procedure	29

6.8	Unwanted Emissions above 1 GHz.....	30
6.8.1	Test Setup	30
6.8.2	Test Procedure	30
7	Test Results of Test Item	31
7.1	26 dB Bandwidth	31
7.2	RF Output Power.....	36
7.3	Power Spectral Density	46
7.4	6 dB Bandwidth	53
7.5	Occupied Bandwidth.....	55
7.6	AC Power Conducted Emissions	61
7.7	Unwanted Emissions below 1 GHz	63
7.8	Unwanted Emissions above 1 GHz.....	65
8	Pictures of Test Arrangements	128
9	Information of the Testing Laboratories	129

Release Control Record

Issue No.	Description	Date Issued
RFBDKX-WTW-P26060565-3	Original release.	2026/9/1

1 Certificate

Product: Meeting Owl 5

Brand: OWL LABS

Test Model: MTW500

Sample Status: Engineering sample

Applicant: Owl Labs Inc.

Test Date: 2026/7/7 ~ 2026/7/17

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
KDB 662911 D01 Multiple Transmitter Output 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	-	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 -23.01 dB at 0.15391 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -9.2 dB at 30.19 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 -1.6 dB at 5460.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

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	-	960 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	960 Hz
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	3.24 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.76 dB
	30 MHz ~ 1 GHz	5.74 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 6 GHz	4.65 dB
	6 GHz ~ 18 GHz	5.26 dB
	18 GHz ~ 40 GHz	4.9 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	Meeting Owl 5
Brand	OWL LABS
Test Model	MTW500
Status of EUT	Engineering sample
Power Supply Rating	DC from 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	Up to 2401.9 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz, 5.25 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):6 802.11ac (VHT160), 802.11ax (HE160):2
Partial RU Mode	Not support
Channel Puncturing	Not support
Output Power	5.18 GHz ~ 5.25 GHz: 68.612 mW (18.36 dBm) 5.25 GHz ~ 5.32 GHz: 69.905 mW (18.45 dBm) 5.5 GHz ~ 5.72 GHz: 68.758 mW (18.37 dBm) 5.745 GHz ~ 5.825 GHz: 66.31 mW (18.22 dBm)
EUT Category	Client device

Note:

1. The EUT has following accessories:

Item	Brand	Model No.	Specification
Adapter	LITEON	PA-1650-58	Input: 100-240Vac 1.6A 50-60Hz Output: 5.0Vdc 3.0A/15.0W. 9.0Vdc 3.0A/27.0W. 12.0Vdc 3.0A/36.0W. 15.0Vdc 3.0A/45.0W. 20.0Vdc 3.25A/65.0W Non-shielded DC Cable without core, 1.5m Non-shielded AC Cable without core, 1.5m
Type C Cable	-	-	Shielded without core, 2.0m
USB-A to USB-C Cable	-	-	Shielded without core, 5.0m

2. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology used for the EUT.

3. Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technologies cannot transmit at same time.

4. The EUT does not support Partial RU technology.

5. The above EUT information is declared by manufacturer and for more detailed features description, please refer 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.	Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1(WIFI)	3.88	2.4~2.4835	Dipole	ipex(MHF)
	3.84	5.15~5.85		
	3.78	5.925~7.125		
2(WIFI)	1.93	2.4~2.4835	Dipole	ipex(MHF)
	3.65	5.15~5.85		
	3.29	5.925~7.125		
3(BT)	1.79	2.4~2.4835	Chip	none

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX

Note: After investigation, 802.11ax mode 20 MHz (40 MHz, 80 MHz, 160 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, 160 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

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

Channel	Frequency
50	5250 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		

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

Channel	Frequency
114	5570 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:	Pre-scan to identify the worst-case axis, modulation, data rate, and bandwidth. The final testing was then conducted using the worst-case configuration, and the reported results represent the highest emission levels observed.
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Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ax (HE20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)	CDD	58, 106, 122, 138	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ac (VHT160)	CDD	50, 114	BPSK	MCS0
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
AC Power Conducted Emissions	802.11a	CDD	52	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	802.11a	CDD	52	BPSK	6Mb/s

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0

3.5 Duty Cycle of Test Signal

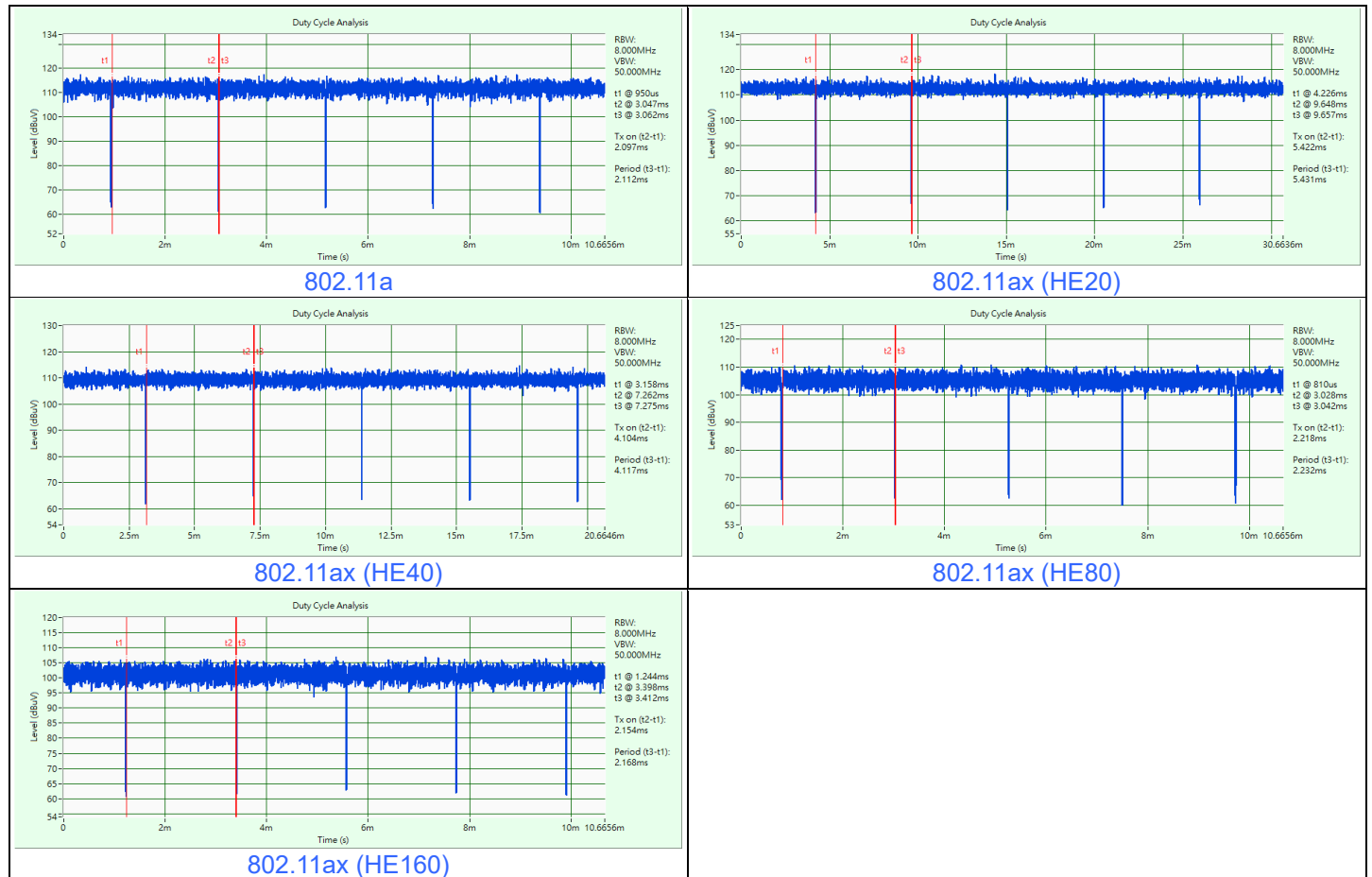
802.11a: Duty cycle = 2.097 ms / 2.112 ms x 100% = 99.3%

802.11ax (HE20): Duty cycle = 5.422 ms / 5.431 ms x 100% = 99.8%

802.11ax (HE40): Duty cycle = 4.104 ms / 4.117 ms x 100% = 99.7%

802.11ax (HE80): Duty cycle = 2.218 ms / 2.232 ms x 100% = 99.4%

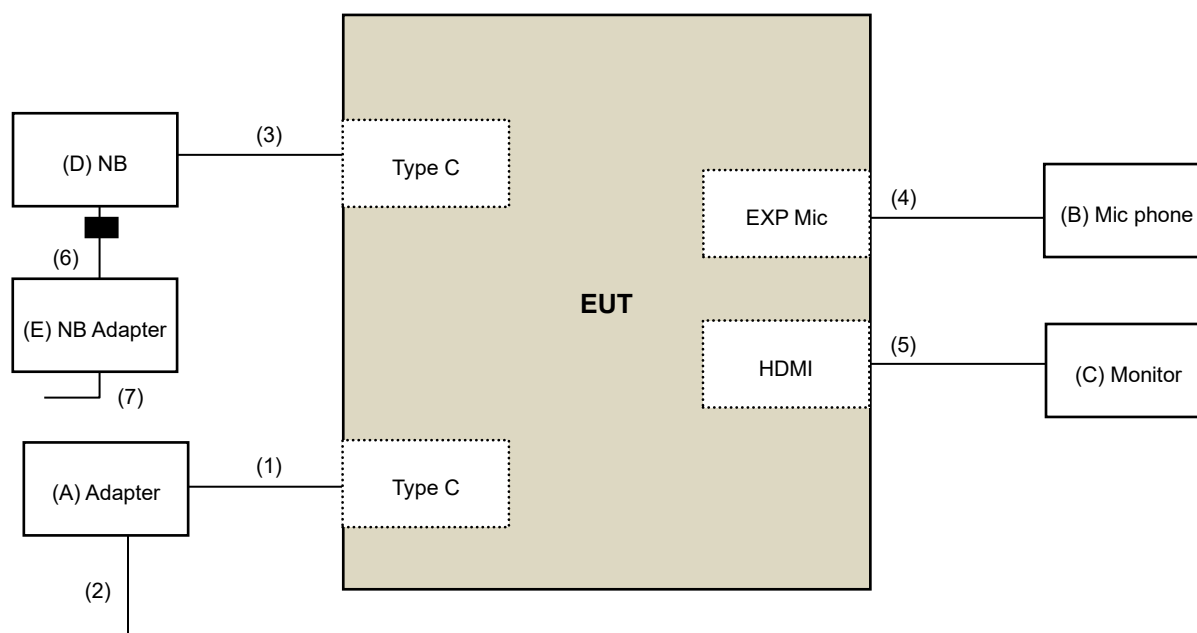
802.11ax (HE160): Duty cycle = 2.154 ms / 2.168 ms x 100% = 99.4%



3.6 Test Program Used and Operation Descriptions

Controlling software (QRCT v4.0.197.1) 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	Adapter	LITEON	PA-1650-58	N/A	N/A	Supplied by applicant
B	Mic phone	OWL LABS	Expansion Mic	N/A	N/A	Supplied by applicant
C	Monitor	ASUS	XG27UCS	N/A	N/A	Provided by Lab
D	NB	Dell	P90F	N/A	N/A	Provided by Lab
E	NB Adapter	Dell	LA65NS2-01	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC cable	1	1.5	N	0	Supplied by applicant
2	AC cable	1	1.5	N	0	Supplied by applicant
3	Type C to C cable	1	5	Y	0	Supplied by applicant
4	Mic cable	1	1.5	Y	0	Supplied by applicant
5	HDMI cable	1	1.5	Y	0	Provided by Lab
6	DC cable	1	0.9	N	1	Provided by Lab
7	AC cable	1	1.8	N	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-20	00800A1K01A-20-02	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23
Signal Analyzer R&S	FSV40	101544	2026/7/2	2027/7/1
Software	BVADT_RF_Test_Software V8.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in LK - Oven (Linkou).
2. Tested Date: 2026/7/14

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2026/5/21	2027/5/20
Pulse Power Sensor Anritsu	MA2411B	0738404	2026/5/28	2027/5/27
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23
RF Power Meter Anritsu	ML2495A	0842014	2026/5/27	2027/5/26
Signal Analyzer R&S	FSV40	101544	2026/7/2	2027/7/1
Software	BVADT_RF_Test_Software V8.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2026/1/26	2027/1/25

Notes:

1. The test was performed in LK - Oven (Linkou).
2. Tested Date: 2026/7/14

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 LYNICS	0900510	E1-01-305	2026/2/12	2027/2/11
		E1-01-306	2026/4/14	2027/4/13
DC LISN R&S	ESH3-Z6	100219	2026/7/9	2027/7/8
		844950/018	2026/7/9	2027/7/8
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01631	2026/4/30	2027/4/29
EMI Test Receiver R&S	EPL 1000	101064	2026/4/23	2027/4/22
		101065	2026/5/4	2027/5/3
	ESR3	102412	2025/12/23	2026/12/22
High Pass Filter EMCI	150HPF-ME	113009	2026/4/30	2027/4/29
		114005	2026/4/30	2027/4/29
		114006	2026/4/30	2027/4/29
High Voltage Probe Schwarzbeck	TK9420	00982	2025/12/3	2026/12/2
LISN R&S	ENV216	101195	2026/7/9	2027/7/8
		101196	2026/3/3	2027/3/2
		101197	2026/7/3	2027/7/2
LISN Schwarzbeck	NNLK 8121	8121-731	2026/6/5	2027/6/4
		8121-00759	2025/8/12	2026/8/11
		8121-808	2026/4/23	2027/4/22
	NNLK 8129	00624	2025/10/9	2026/10/8
		8129229	2025/10/14	2026/10/13
	NSLK 8128	8128-244	2025/11/11	2026/11/10
Passive Voltage Probe R&S	ESH2-Z3	100073	2026/6/3	2027/6/2
RF Coaxial Cable PEWC	5D-FB	Cable-CO5-01	2026/1/16	2027/1/15
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 5.
2. Tested Date: 2026/7/17

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	137	2025/9/17	2026/9/16
Coupling / Decoupling Network Schwarzbeck	CDNE-M2	00097	2026/6/2	2027/6/1
	CDNE-M3	00091	2026/3/17	2027/3/16
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXE EMI Receiver Agilent	N9038A	MY50010158	2025/10/29	2026/10/28
Preamplifier Agilent	8447D	2944A11064	2026/2/13	2027/2/12
RF Coaxial Cable Pacific	8D-FB	Cable-CH6-02	2026/6/22	2027/6/21
Signal Analyzer R&S	FSV40	101544	2026/7/2	2027/7/1
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in LK - 966 Chamber 6 (CH 6) (Linkou).
2. Tested Date: 2026/7/17

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight antenna tower fixture BV	BAF-02	6	N/A	N/A
High Pass Filter Wainwright	WHK 3.1/18G-10SS	SN 8	2026/5/20	2027/5/19
Horn Antenna EMCO	3115	00028257	2025/11/9	2026/11/8
Horn Antenna ETS-Lindgren	3117-PA	00215857	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	212	2025/10/28	2026/10/27
		BBHA9170190	2025/11/9	2026/11/8
MXE EMI Receiver Agilent	N9038A	MY50010158	2025/10/29	2026/10/28
Notch Filter Micro-Tronics	BRC50703-01	010	2026/5/20	2027/5/19
	BRM17690	005	2026/5/20	2027/5/19
Preamplifier EMCI	EMC0126545	980076	2026/2/13	2027/2/12
	EMC184045B	980175	2025/8/23	2026/8/22
		980235	2026/2/13	2027/2/12
Preamplifier HP	8449B	3008A01201	2026/2/13	2027/2/12
RF Coaxial Cable EMCI	EMC104	190801	2026/7/3	2027/7/2
		190804	2026/7/3	2027/7/2
RF Coaxial Cable EMEC	EM102-KMKM-100	02	2026/7/3	2027/7/2
RF Coaxial Cable HUBER+SUHNER	SF-104	Cable-CH6-01	2026/7/3	2027/7/2
Signal Analyzer R&S	FSV40	101042	2025/9/19	2026/9/18
		101544	2026/7/2	2027/7/1
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in LK - 966 Chamber 6 (CH 6) (Linkou).
2. Tested Date: 2026/7/7 ~ 2026/7/16

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

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

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

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

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

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

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.

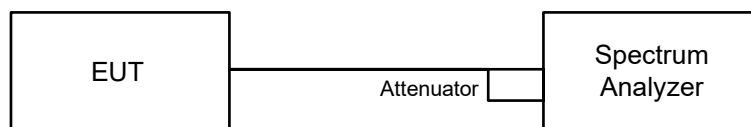
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



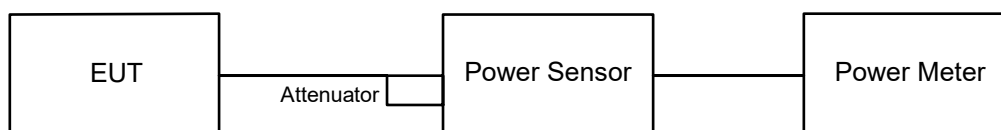
Note: The correction factor has already been compensated by the instrument.

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%.

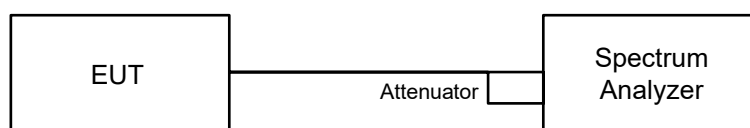
6.2 RF Output Power

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:

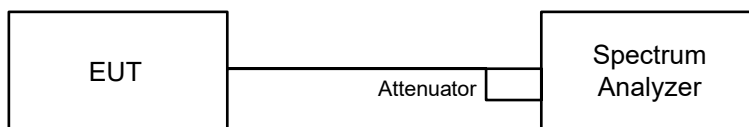
Method SA-1

- 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 (rms) mode.
- 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.
- Record the max value.

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-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- 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.
- Record the max value

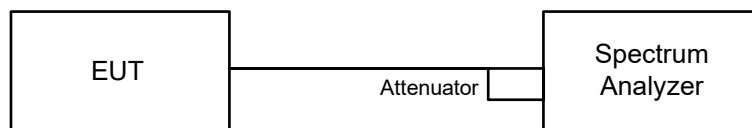
For specified measurement bandwidth 500 kHz:

Method SA-1

- 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.
- Record the max value.

6.4 6 dB Bandwidth

6.4.1 Test Setup



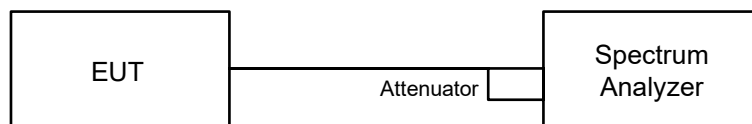
Note: The correction factor has already been compensated by the instrument.

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.

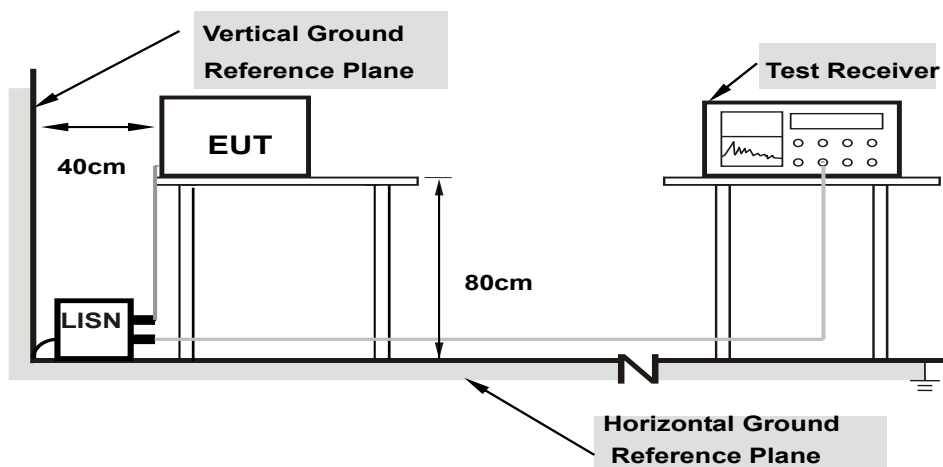
6.5.2 Test Procedure

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

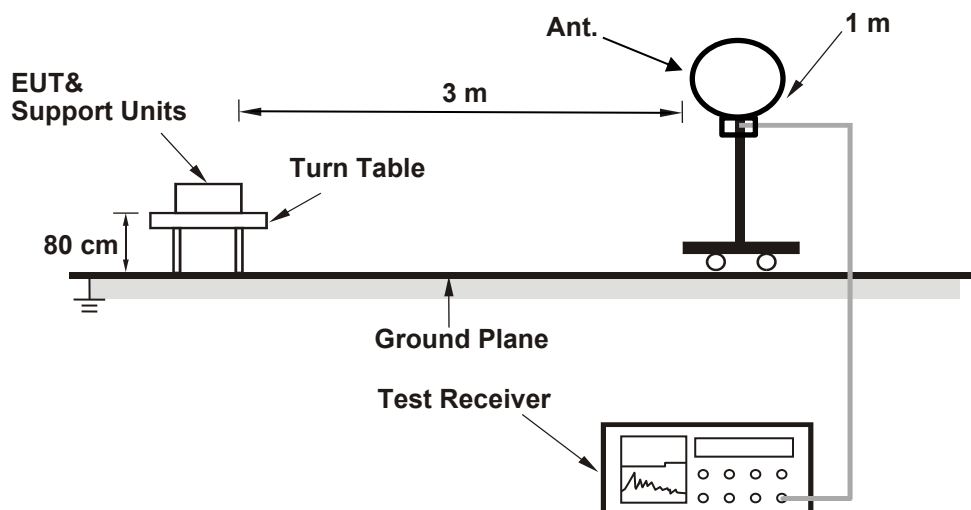
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The 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.

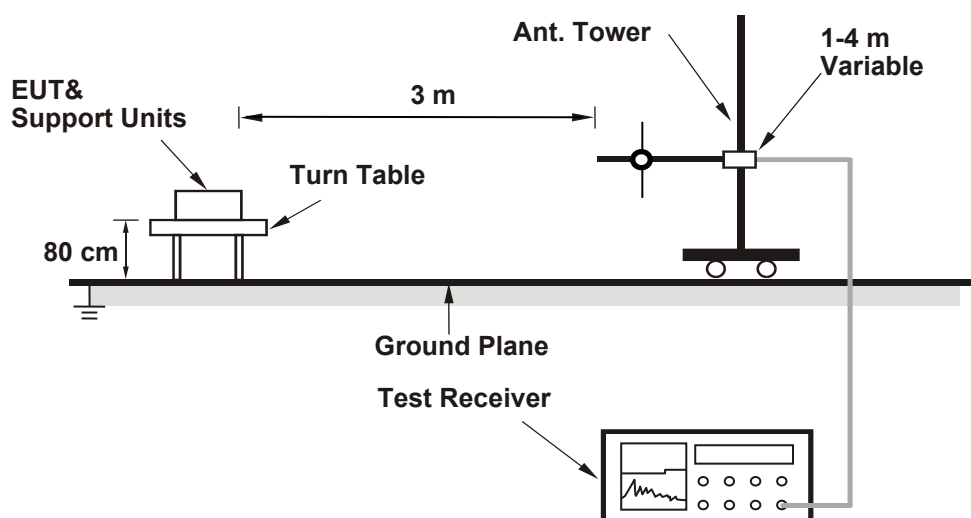
6.7 Unwanted Emissions below 1 GHz

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

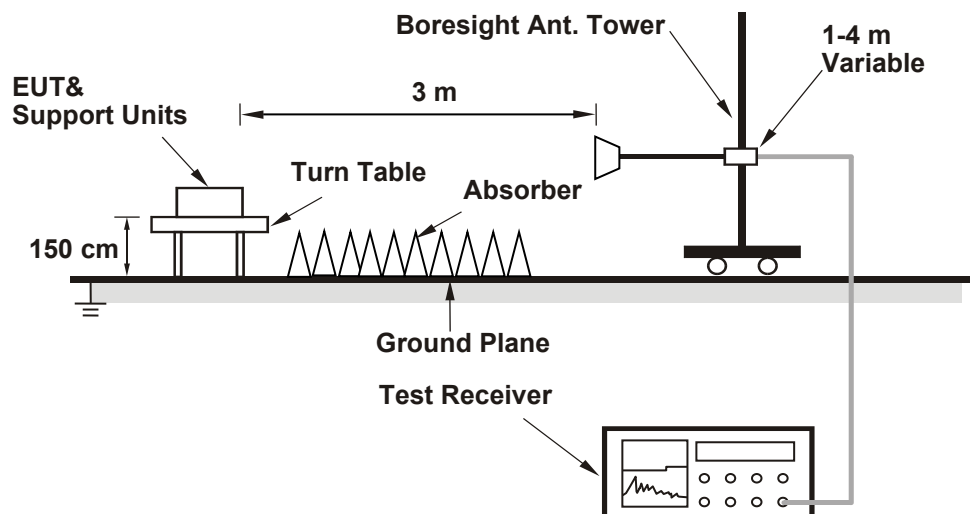
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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, 76% RH	Tested By:	Dalen Dai
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.76	19.32
60	5300	21.36	19.43
64	5320	20.77	19.35
100	5500	19.53	19.49
116	5580	19.43	19.51
140	5700	19.41	19.38
144 (U-NII-2C)	5720	14.84	14.80
144 (U-NII-3)	5720	4.75	4.60

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.32	23.86	<	24
60	5300	19.43	23.88	<	24
64	5320	19.35	23.86	<	24
100	5500	19.49	23.89	<	24
116	5580	19.43	23.88	<	24
140	5700	19.38	23.87	<	24
144 (U-NII-2C)	5720	14.80	22.7	<	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)	
		Chain 0	Chain 1
52	5260	21.11	21.25
60	5300	21.34	21.24
64	5320	21.09	21.09
100	5500	21.14	20.84
116	5580	21.10	21.25
140	5700	21.36	20.87
144 (U-NII-2C)	5720	15.61	15.84
144 (U-NII-3)	5720	5.70	5.56

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.11	24.24	>	24
60	5300	21.24	24.27	>	24
64	5320	21.09	24.24	>	24
100	5500	20.84	24.18	>	24
116	5580	21.10	24.24	>	24
140	5700	20.87	24.19	>	24
144 (U-NII-2C)	5720	15.61	22.93	<	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)	
		Chain 0	Chain 1
54	5270	40.97	40.90
62	5310	41.29	40.87
102	5510	41.04	41.17
110	5550	41.26	41.06
134	5670	41.01	40.91
142 (U-NII-2C)	5710	35.71	35.49
142 (U-NII-3)	5710	5.49	5.49

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	40.90	27.11	>	24
62	5310	40.87	27.11	>	24
102	5510	41.04	27.13	>	24
110	5550	41.06	27.13	>	24
134	5670	40.91	27.11	>	24
142 (U-NII-2C)	5710	35.49	26.5	>	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)	
		Chain 0	Chain 1
58	5290	83.07	83.04
106	5530	83.10	83.01
122	5610	83.41	82.60
138 (U-NII-2C)	5690	76.84	76.39
138 (U-NII-3)	5690	6.80	6.52

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	83.04	30.19	>	24
106	5530	83.01	30.19	>	24
122	5610	82.60	30.16	>	24
138 (U-NII-2C)	5690	76.39	29.83	>	24

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

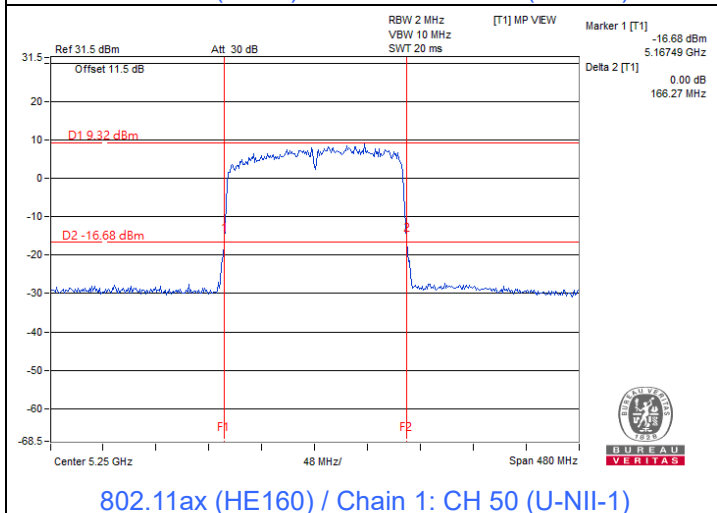
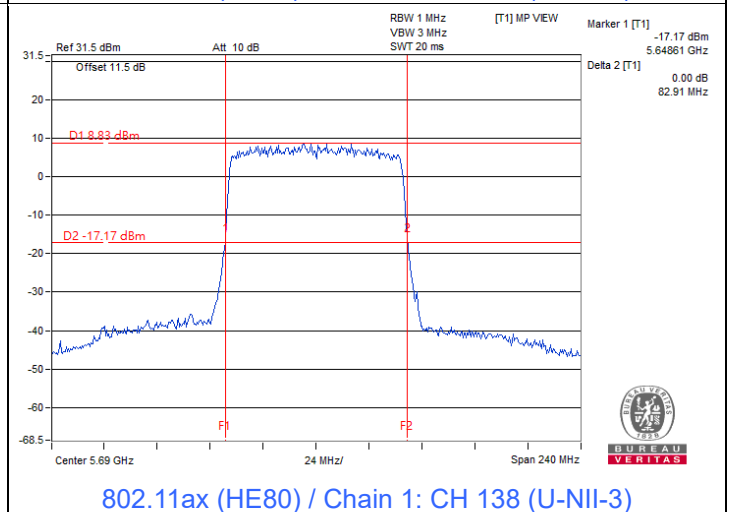
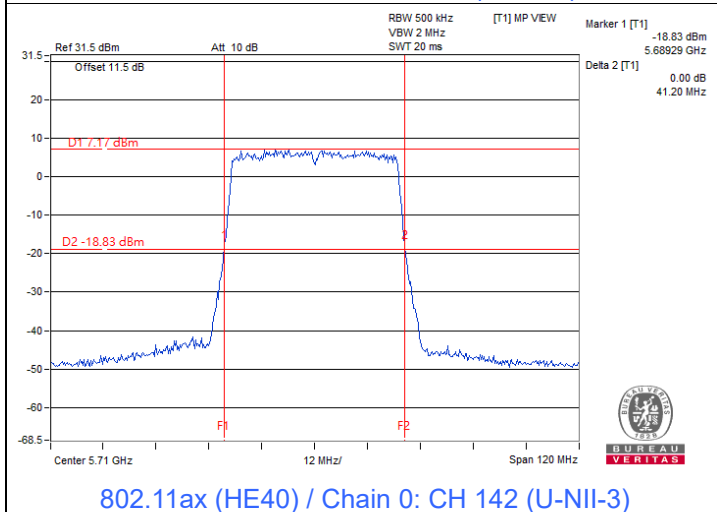
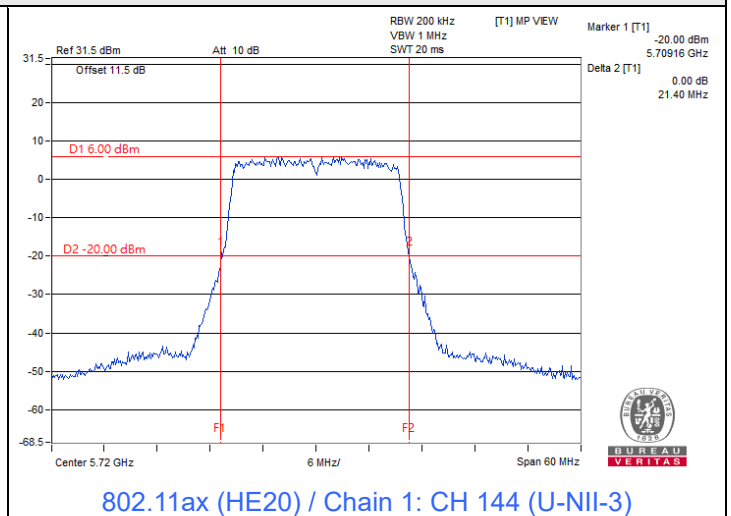
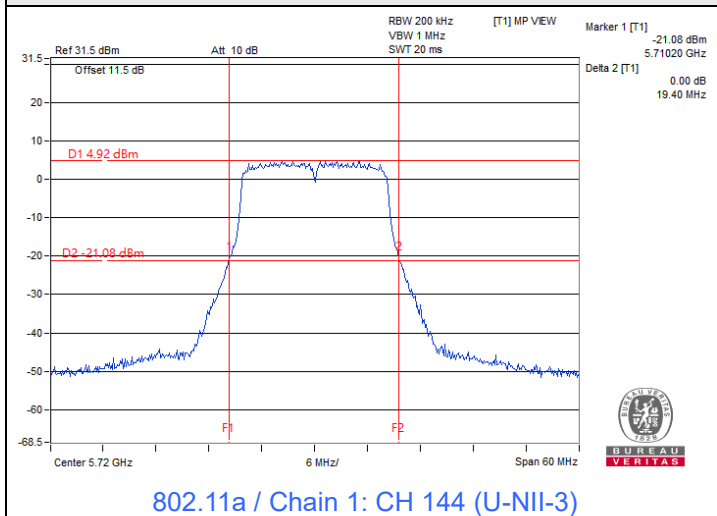
802.11ax (HE160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.21	82.51
50 (U-NII-2A)	5250	83.47	83.76
114	5570	166.76	167.44

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	83.47	30.21	>	24
114	5570	166.76	33.22	>	24

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

Spectrum Plot of Minimum Value



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
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.05	13.10	40.601	16.09	24	Pass
40	5200	12.86	13.11	39.784	16.00	24	Pass
48	5240	13.64	12.98	42.982	16.33	24	Pass
52	5260	15.83	15.00	69.905	18.45	23.86	Pass
60	5300	15.49	14.68	64.776	18.11	23.88	Pass
64	5320	15.53	14.59	64.501	18.10	23.86	Pass
100	5500	14.95	15.74	68.758	18.37	23.89	Pass
116	5580	14.74	15.75	67.369	18.28	23.88	Pass
140	5700	14.76	15.74	67.42	18.29	23.87	Pass
*144 (U-NII-2C)	5720	13.23	14.17	47.159	16.74	22.7	Pass
*144 (U-NII-3)	5720	6.74	7.57	10.435	10.18	30	Pass
149	5745	14.56	15.59	64.8	18.12	30	Pass
157	5785	14.66	15.69	66.31	18.22	30	Pass
165	5825	14.53	15.74	65.876	18.19	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.38	13.34	43.355	16.37	24	Pass
40	5200	13.27	13.48	43.517	16.39	24	Pass
48	5240	14.02	13.45	47.366	16.75	24	Pass
52	5260	15.53	15.00	67.35	18.28	24	Pass
60	5300	15.26	14.48	61.628	17.90	24	Pass
64	5320	15.26	14.45	61.435	17.88	24	Pass
100	5500	14.74	15.60	66.093	18.20	24	Pass
116	5580	14.50	15.52	63.829	18.05	24	Pass
140	5700	14.63	15.58	65.181	18.14	24	Pass
*144 (U-NII-2C)	5720	12.97	13.78	43.693	16.40	22.93	Pass
*144 (U-NII-3)	5720	7.35	8.06	11.83	10.73	30	Pass
149	5745	14.40	15.56	63.517	18.03	30	Pass
157	5785	14.42	15.33	61.789	17.91	30	Pass
165	5825	14.14	15.60	62.25	17.94	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- Power Limit follow worse mode 802.11ax (HE20)

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.14	15.09	64.944	18.13	24	Pass
46	5230	15.33	14.99	65.669	18.17	24	Pass
54	5270	15.47	14.51	63.486	18.03	24	Pass
62	5310	15.78	14.50	66.028	18.20	24	Pass
102	5510	14.91	15.30	64.859	18.12	24	Pass
110	5550	14.91	15.13	63.558	18.03	24	Pass
134	5670	14.38	15.52	63.061	18.00	24	Pass
*142 (U-NII-2C)	5710	13.68	14.23	49.82	16.97	24	Pass
*142 (U-NII-3)	5710	3.43	3.80	4.602	6.63	30	Pass
151	5755	14.50	15.37	62.619	17.97	30	Pass
159	5795	14.61	15.50	64.388	18.09	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- Power Limit follow worse mode 802.11ax (HE40)

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.50	14.96	66.814	18.25	24	Pass
58	5290	15.55	14.64	64.999	18.13	24	Pass
106	5530	15.00	15.31	65.585	18.17	24	Pass
122	5610	14.41	15.43	62.52	17.96	24	Pass
*138 (U-NII-2C)	5690	13.87	14.60	53.218	17.26	24	Pass
*138 (U-NII-3)	5690	-0.38	0.00	1.9162	2.82	30	Pass
155	5775	14.40	15.54	63.352	18.02	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- Power Limit follow worse mode 802.11ax (HE80)

802.11ac (VHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	12.05	10.49	27.227	14.35	24	Pass
*50 (U-NII-2A)	5250	12.63	11.80	33.459	15.25	24	Pass
114	5570	14.71	15.16	62.39	17.95	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- Power Limit follow worse mode 802.11ax (HE160)

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.53	13.47	44.775	16.51	24	Pass
40	5200	13.39	13.60	44.736	16.51	24	Pass
48	5240	14.12	13.57	48.574	16.86	24	Pass
52	5260	15.67	15.10	69.257	18.40	24	Pass
60	5300	15.38	14.60	63.355	18.02	24	Pass
64	5320	15.39	14.59	63.368	18.02	24	Pass
100	5500	14.89	15.75	68.416	18.35	24	Pass
116	5580	14.61	15.66	65.72	18.18	24	Pass
140	5700	14.78	15.70	67.214	18.27	24	Pass
*144 (U-NII-2C)	5720	13.08	13.93	45.041	16.54	22.93	Pass
*144 (U-NII-3)	5720	7.46	8.16	12.118	10.83	30	Pass
149	5745	14.51	15.66	65.062	18.13	30	Pass
157	5785	14.55	15.47	63.747	18.04	30	Pass
165	5825	14.29	15.70	64.007	18.06	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.28	15.23	67.071	18.27	24	Pass
46	5230	15.46	15.14	67.815	18.31	24	Pass
54	5270	15.59	14.66	65.466	18.16	24	Pass
62	5310	15.92	14.63	68.124	18.33	24	Pass
102	5510	15.02	15.45	66.844	18.25	24	Pass
110	5550	15.04	15.27	65.567	18.17	24	Pass
134	5670	14.50	15.66	64.997	18.13	24	Pass
*142 (U-NII-2C)	5710	13.80	14.37	51.341	17.10	24	Pass
*142 (U-NII-3)	5710	3.54	3.91	4.72	6.74	30	Pass
151	5755	14.64	15.50	64.589	18.10	30	Pass
159	5795	14.74	15.60	66.093	18.20	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.62	15.07	68.612	18.36	24	Pass
58	5290	15.68	14.75	66.837	18.25	24	Pass
106	5530	15.11	15.45	67.509	18.29	24	Pass
122	5610	14.53	15.55	64.271	18.08	24	Pass
*138 (U-NII-2C)	5690	14.00	14.74	54.904	17.40	24	Pass
*138 (U-NII-3)	5690	-0.28	0.11	1.9632	2.93	30	Pass
155	5775	14.53	15.66	65.192	18.14	30	Pass

Notes:

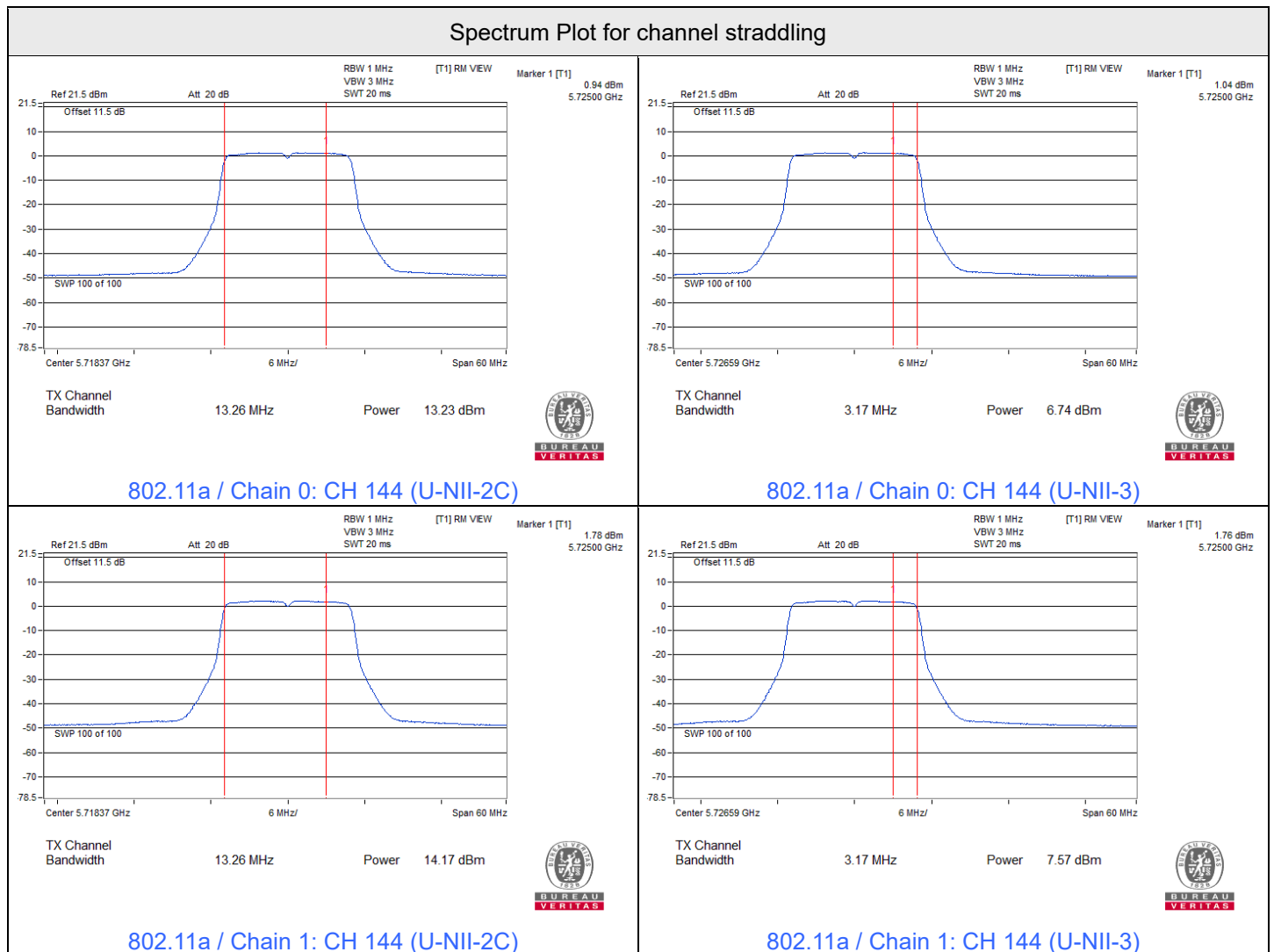
- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160)

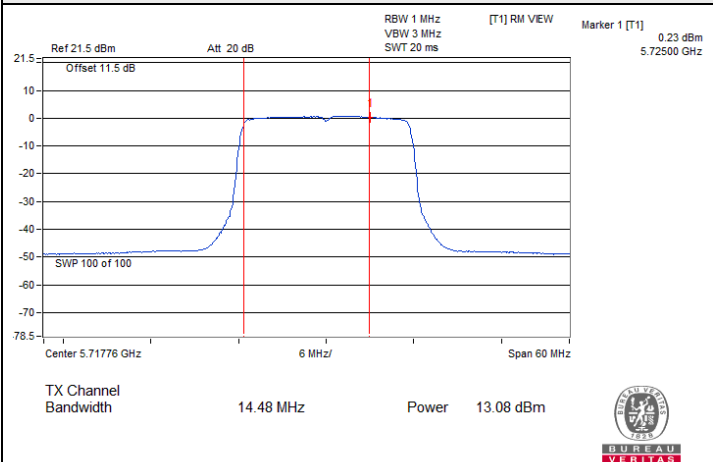
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	12.17	10.64	28.069	14.48	24	Pass
*50 (U-NII-2A)	5250	12.76	11.91	34.404	15.37	24	Pass
114	5570	14.85	15.29	64.356	18.09	24	Pass

Notes:

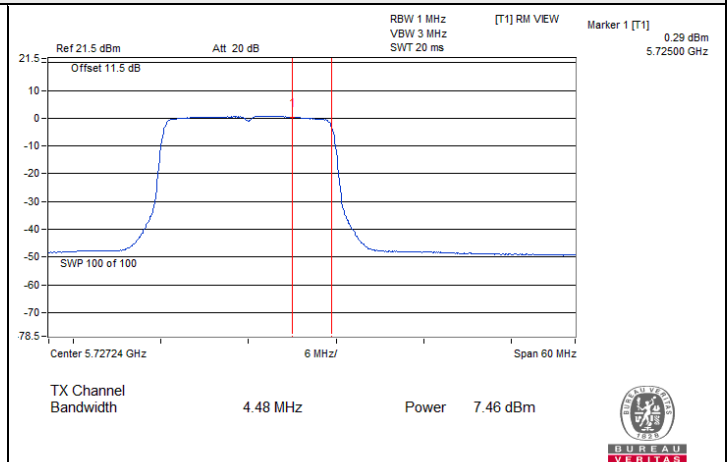
- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.84 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.



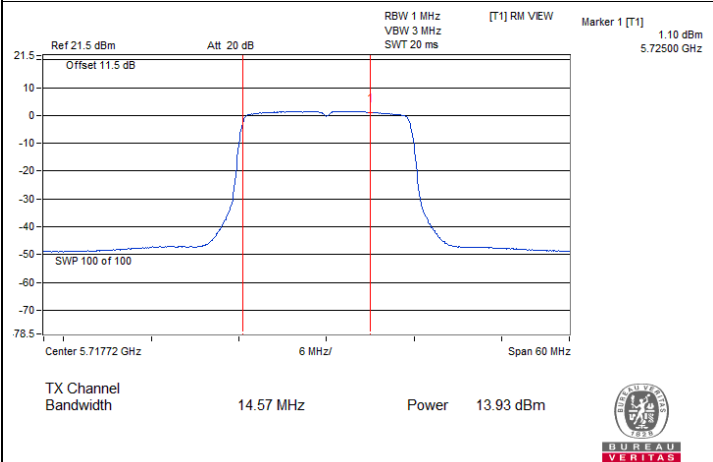
Spectrum Plot for channel straddling



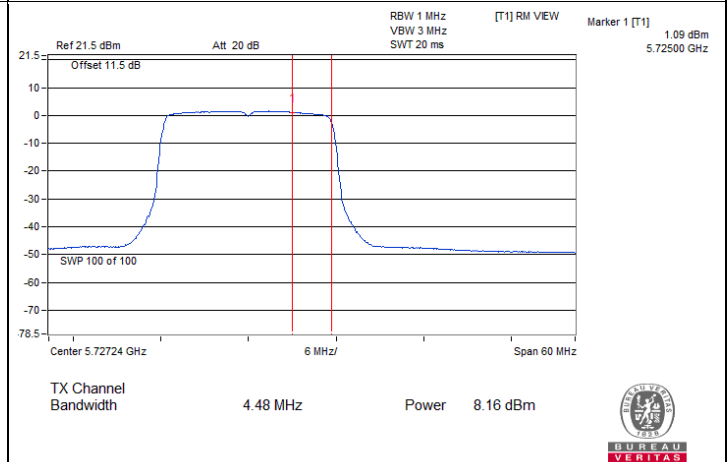
802.11ax (HE20) / Chain 0: CH 144 (U-NII-2C)



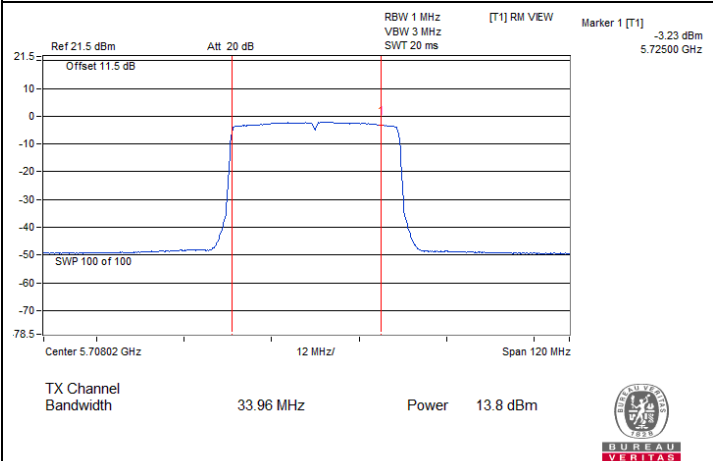
802.11ax (HE20) / Chain 0: CH 144 (U-NII-3)



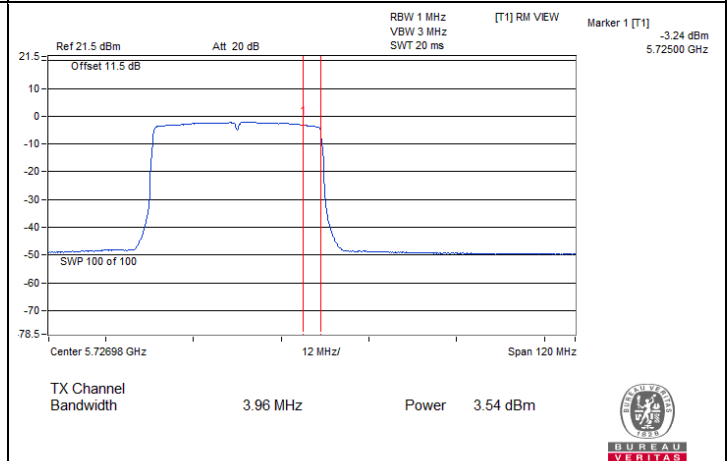
802.11ax (HE20) / Chain 1: CH 144 (U-NII-2C)



802.11ax (HE20) / Chain 1: CH 144 (U-NII-3)

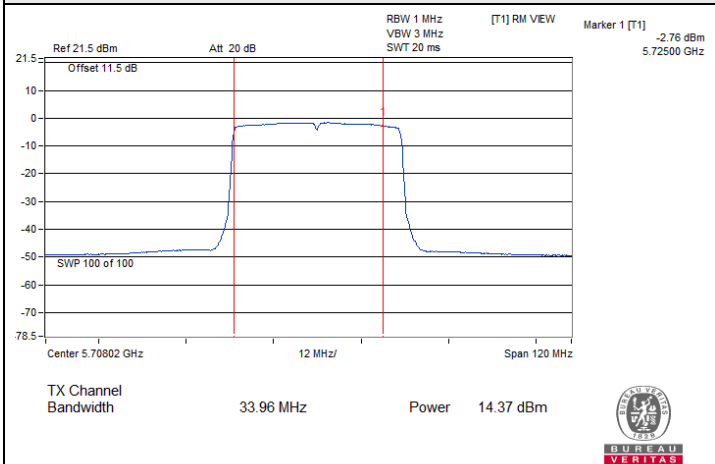


802.11ax (HE40) / Chain 0: CH 142 (U-NII-2C)

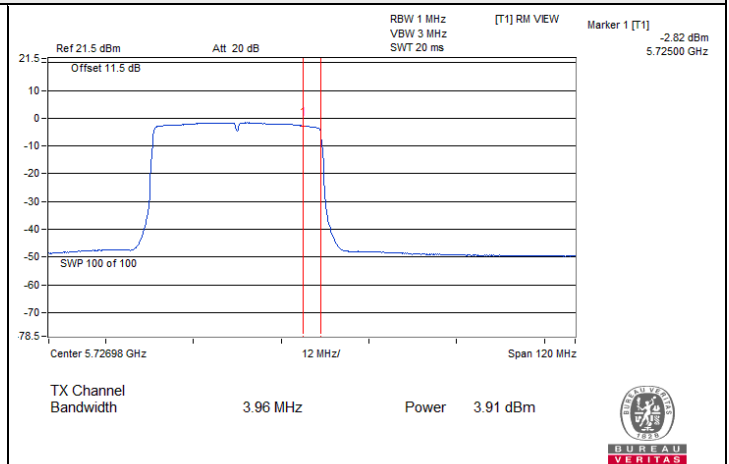


802.11ax (HE40) / Chain 0: CH 142 (U-NII-3)

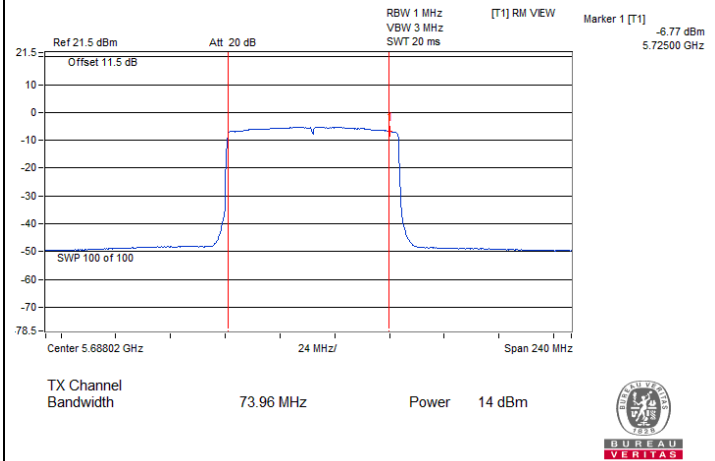
Spectrum Plot for channel straddling



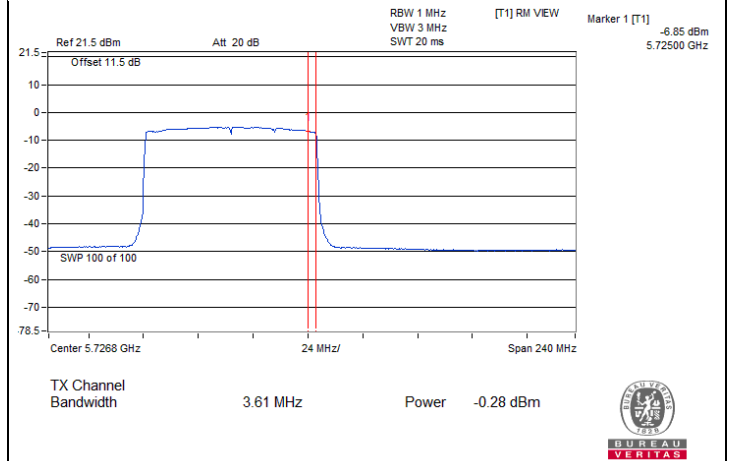
802.11ax (HE40) / Chain 1: CH 142 (U-NII-2C)



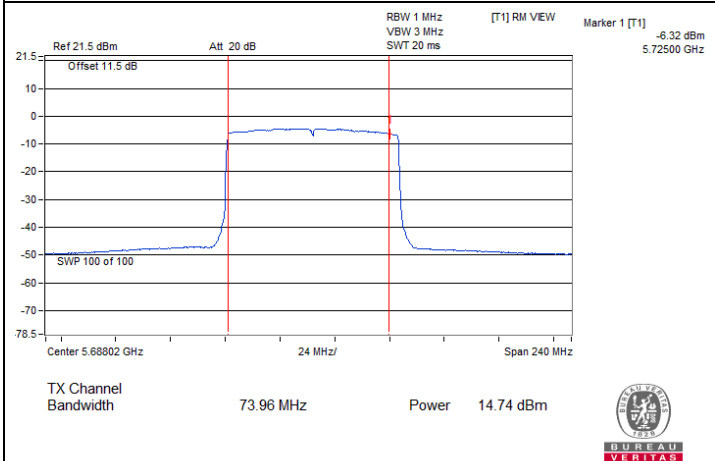
802.11ax (HE40) / Chain 1: CH 142 (U-NII-3)



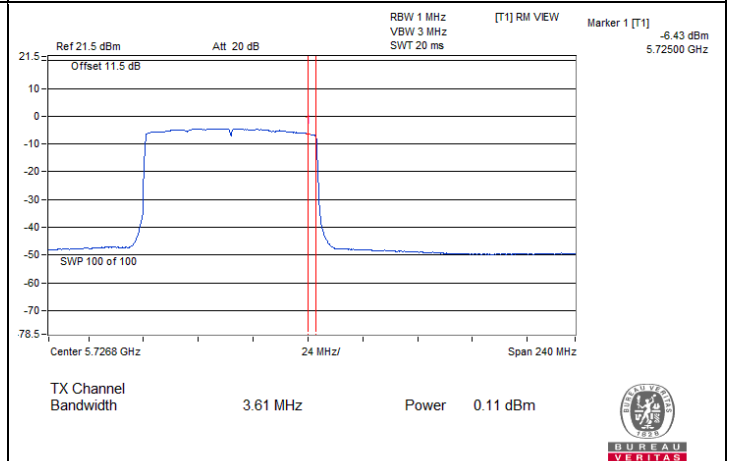
802.11ax (HE80) / Chain 0: CH 138 (U-NII-2C)



802.11ax (HE80) / Chain 0: CH 138 (U-NII-3)

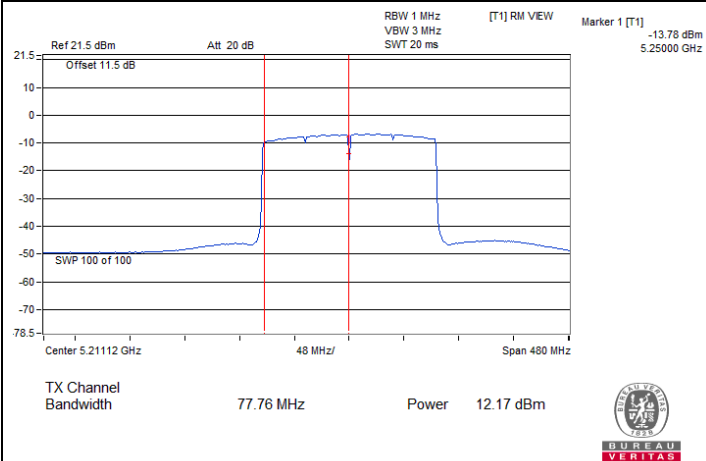


802.11ax (HE80) / Chain 1: CH 138 (U-NII-2C)

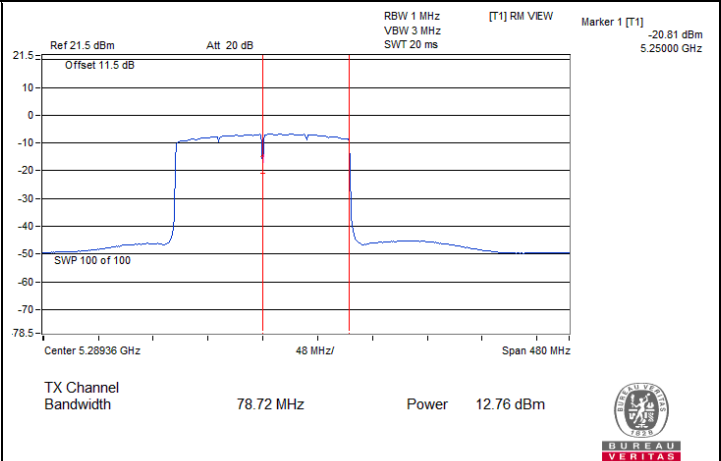


802.11ax (HE80) / Chain 1: CH 138 (U-NII-3)

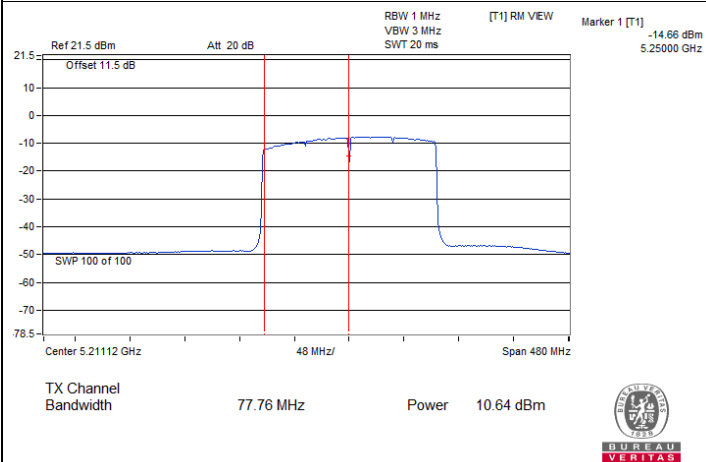
Spectrum Plot for channel straddling



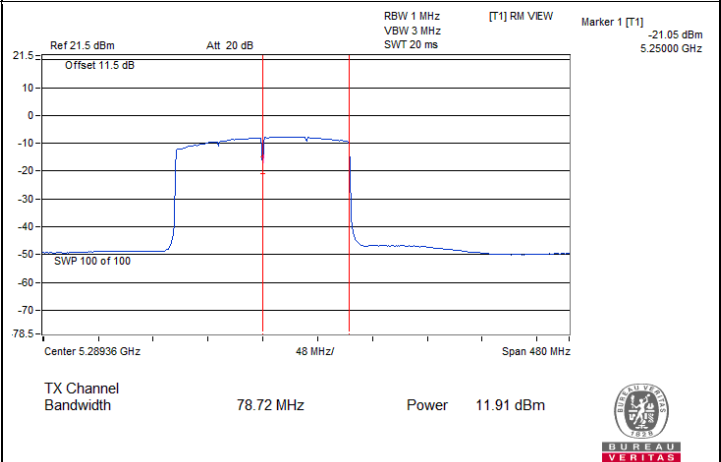
802.11ax (HE160) / Chain 0: CH 50 (U-NII-1)



802.11ax (HE160) / Chain 0: CH 50 (U-NII-2A)



802.11ax (HE160) / Chain 1: CH 50 (U-NII-1)



802.11ax (HE160) / Chain 1: CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-0.89	-0.47	2.34	10.24	Pass
40	5200	-1.14	-0.40	2.26	10.24	Pass
48	5240	-0.19	-0.41	2.71	10.24	Pass
52	5260	2.04	1.58	4.83	10.24	Pass
60	5300	1.72	1.15	4.45	10.24	Pass
64	5320	1.58	0.96	4.29	10.24	Pass
100	5500	1.16	2.12	4.68	10.24	Pass
116	5580	1.02	2.12	4.62	10.24	Pass
140	5700	1.15	2.15	4.69	10.24	Pass
144 (U-NII-2C)	5720	1.20	2.16	4.72	10.24	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-0.95	-0.54	2.27	10.24	Pass
40	5200	-1.15	-0.44	2.23	10.24	Pass
48	5240	-0.09	-0.55	2.70	10.24	Pass
52	5260	1.45	0.91	4.20	10.24	Pass
60	5300	1.22	0.42	3.85	10.24	Pass
64	5320	1.09	0.26	3.71	10.24	Pass
100	5500	0.57	1.36	3.99	10.24	Pass
116	5580	0.50	1.41	3.99	10.24	Pass
140	5700	0.59	1.44	4.05	10.24	Pass
144 (U-NII-2C)	5720	0.72	1.48	4.13	10.24	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-1.82	-1.69	1.26	10.24	Pass
46	5230	-1.45	-2.08	1.26	10.24	Pass
54	5270	-1.31	-2.38	1.20	10.24	Pass
62	5310	-1.09	-2.41	1.31	10.24	Pass
102	5510	-2.17	-1.75	1.06	10.24	Pass
110	5550	-1.99	-1.72	1.16	10.24	Pass
134	5670	-2.42	-1.55	1.05	10.24	Pass
142 (U-NII-2C)	5710	-2.14	-1.60	1.15	10.24	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-4.36	-4.95	-1.63	10.24	Pass
58	5290	-4.29	-5.21	-1.72	10.24	Pass
106	5530	-4.94	-4.57	-1.74	10.24	Pass
122	5610	-5.24	-4.51	-1.85	10.24	Pass
138 (U-NII-2C)	5690	-5.25	-4.56	-1.88	10.24	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-6.97	-8.10	-4.49	10.24	Pass
50 (U-NII-2A)	5250	-6.83	-7.81	-4.28	10.24	Pass
114	5570	-7.86	-7.42	-4.62	10.24	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.76 - 6) = 10.24$ dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-7.35	-6.54	-3.92	-1.70	29.24	Pass
149	5745	-7.10	-6.10	-3.56	-1.34	29.24	Pass
157	5785	-7.14	-6.41	-3.75	-1.53	29.24	Pass
165	5825	-7.59	-6.36	-3.92	-1.70	29.24	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.76 - 6) = 29.24$ dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-8.96	-8.16	-5.53	-3.31	29.24	Pass
149	5745	-8.50	-7.70	-5.07	-2.85	29.24	Pass
157	5785	-8.62	-7.71	-5.13	-2.91	29.24	Pass
165	5825	-8.94	-7.85	-5.35	-3.13	29.24	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.76 - 6) = 29.24$ dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-12.34	-12.04	-9.18	-6.96	29.24	Pass
151	5755	-11.20	-10.60	-7.88	-5.66	29.24	Pass
159	5795	-11.13	-10.83	-7.97	-5.75	29.24	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.76 - 6) = 29.24$ dBm/500kHz.

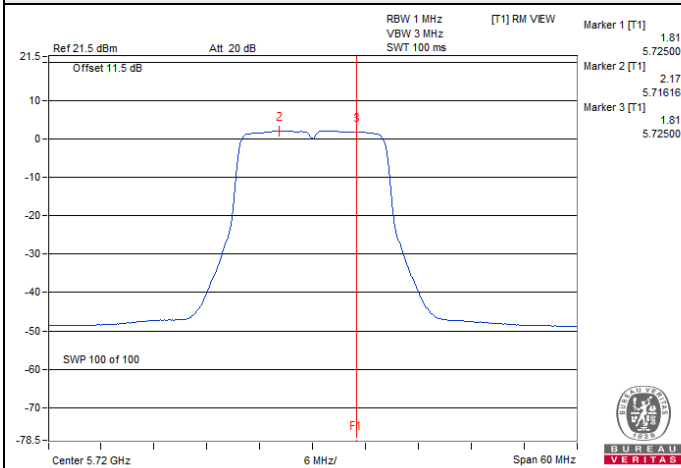
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-16.06	-15.64	-12.83	-10.61	29.24	Pass
155	5775	-14.49	-13.67	-11.05	-8.83	29.24	Pass

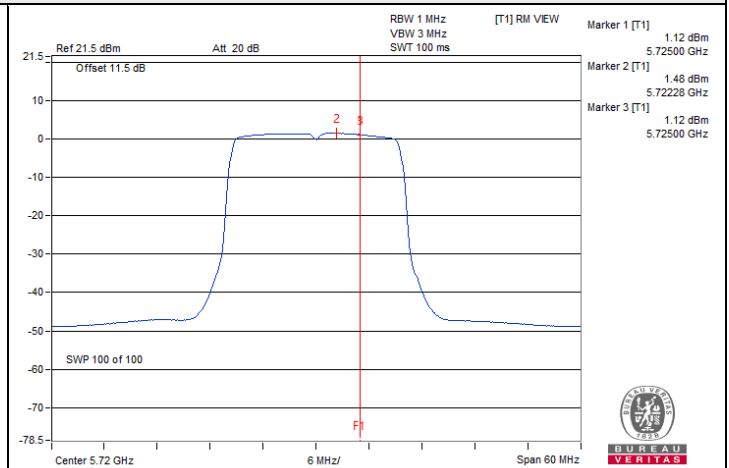
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.76 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.76 - 6) = 29.24$ dBm/500kHz.

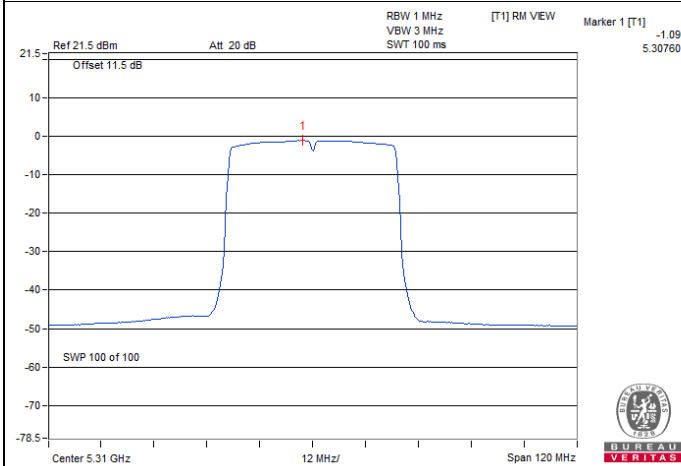
Spectrum Plot of Maximum Value



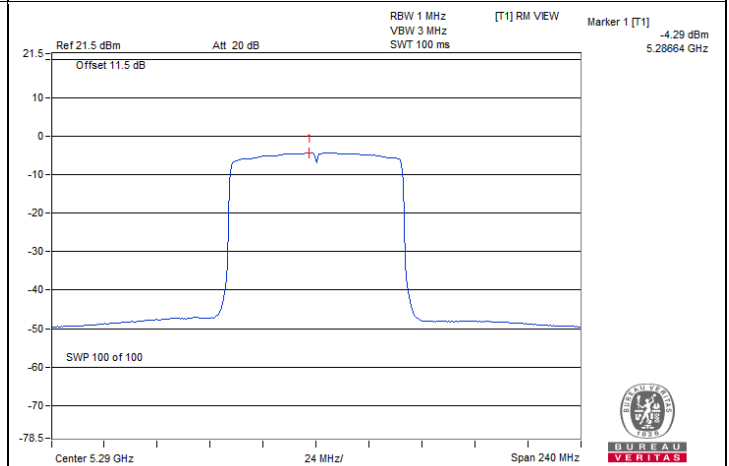
802.11a / Chain 1: CH 144 (U-NII-2C)



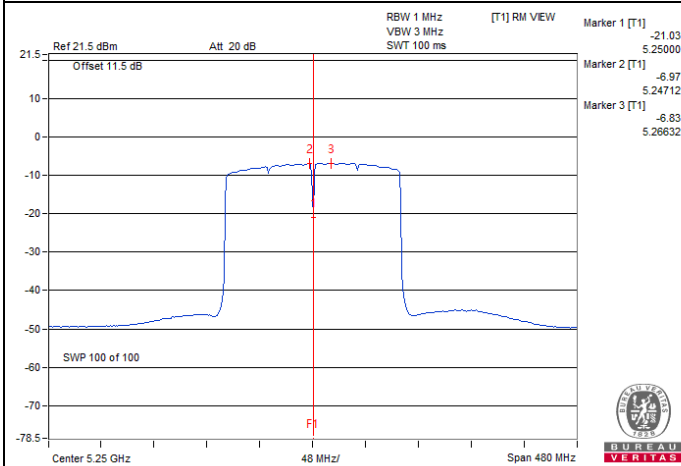
802.11ax (HE20) / Chain 1: CH 144 (U-NII-2C)



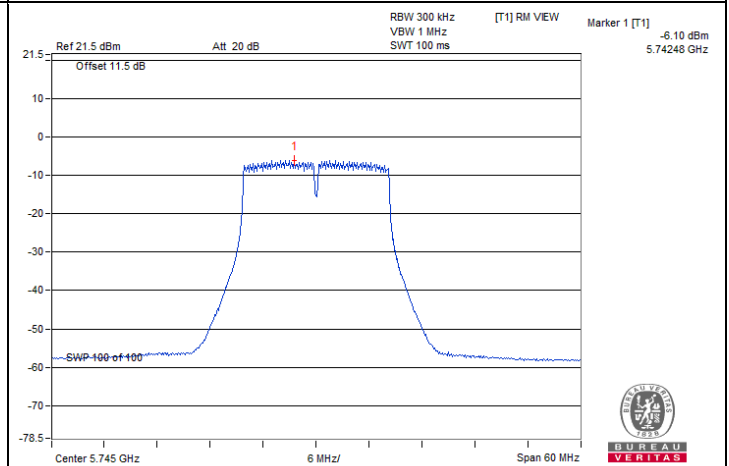
802.11ax (HE40) / Chain 0: CH 62



802.11ax (HE80) / Chain 0: CH 58

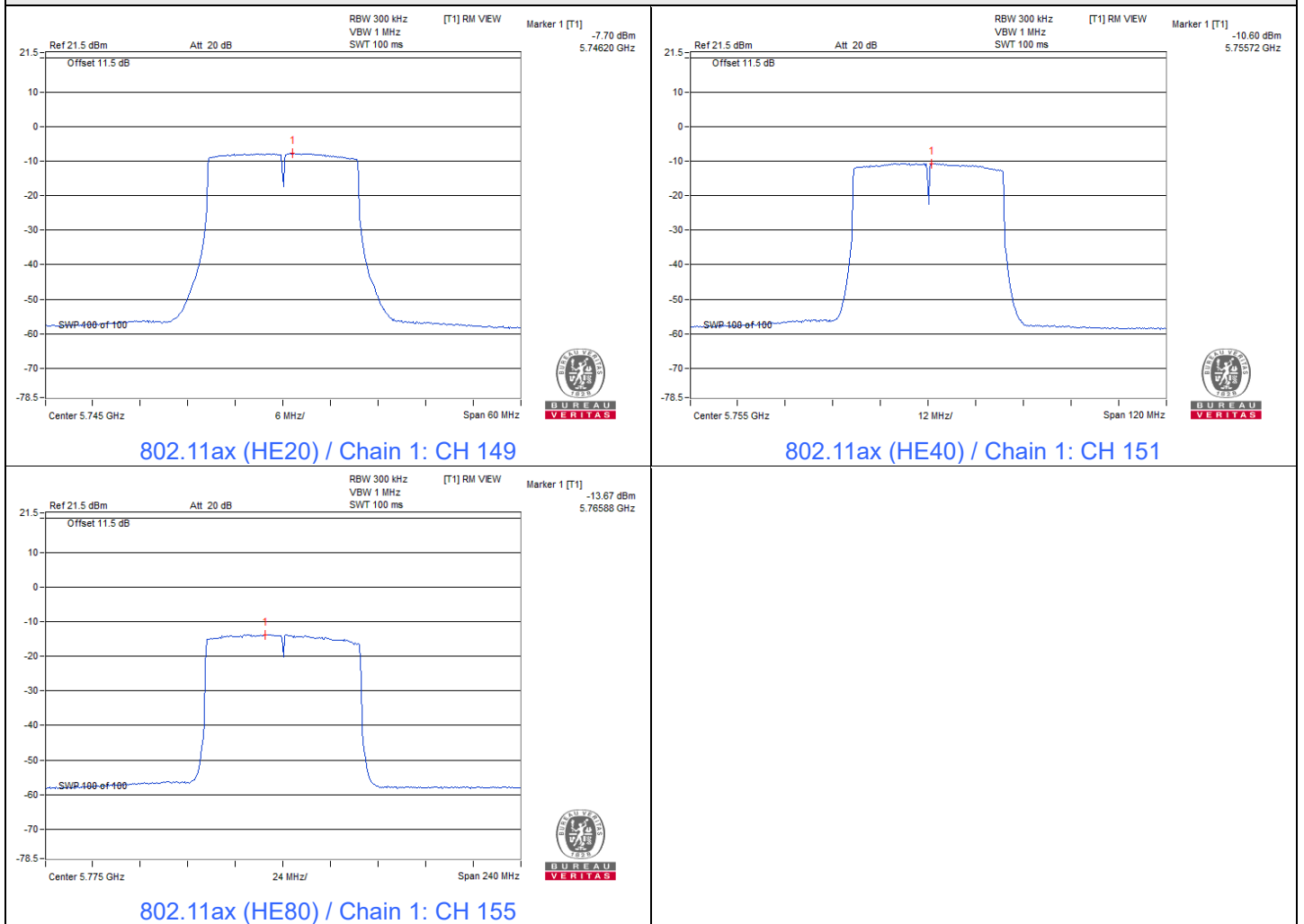


802.11ax (HE160) / Chain 0: CH 50 (U-NII-2A)



802.11a / Chain 1: CH 149

Spectrum Plot of Maximum Value



7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.20	3.19	0.5	Pass
149	5745	16.42	16.43	0.5	Pass
157	5785	16.38	16.40	0.5	Pass
165	5825	16.38	16.42	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.51	4.41	0.5	Pass
149	5745	18.98	18.87	0.5	Pass
157	5785	19.00	18.94	0.5	Pass
165	5825	19.00	18.99	0.5	Pass

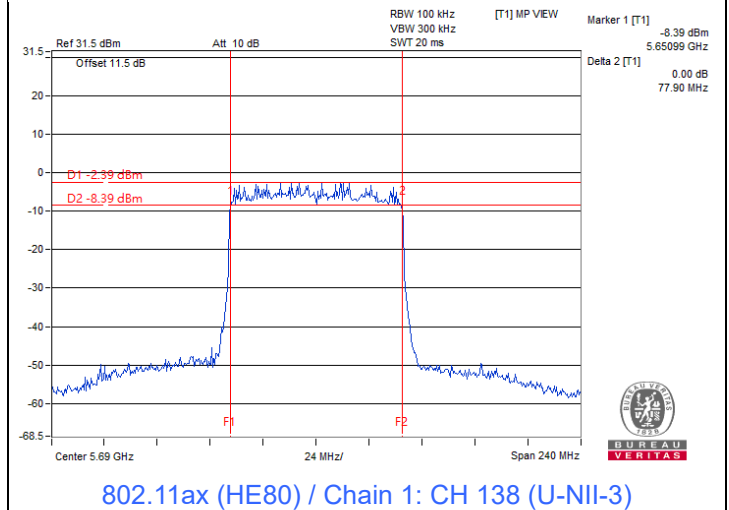
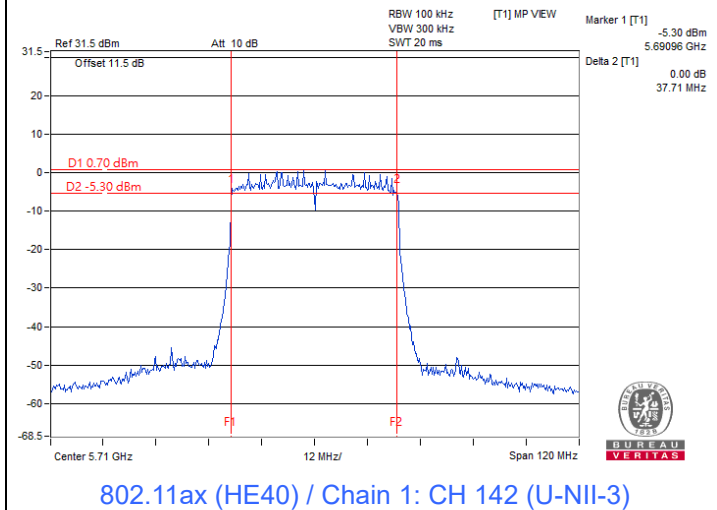
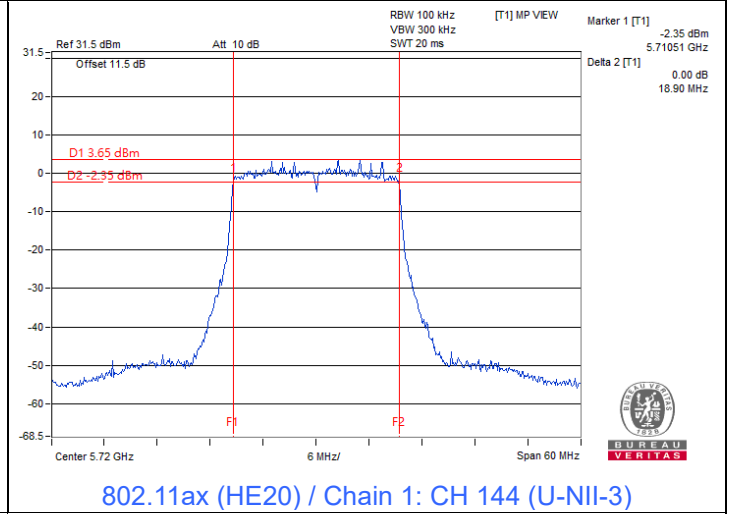
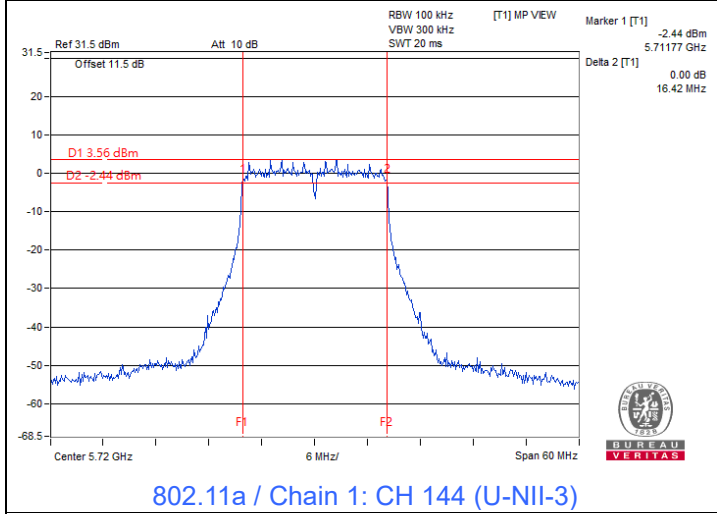
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.96	3.67	0.5	Pass
151	5755	38.12	37.24	0.5	Pass
159	5795	38.11	37.88	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	4.07	3.89	0.5	Pass
155	5775	78.28	75.74	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, 76% RH	Tested By:	Dalen Dai
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.80	16.44
40	5200	16.80	16.44
48	5240	16.70	16.43
52	5260	16.86	16.34
60	5300	16.70	16.34
64	5320	16.78	16.43
100	5500	16.43	16.43
116	5580	16.44	16.44
140	5700	16.44	16.44
144 (U-NII-2C)	5720	13.26	13.26
144 (U-NII-3)	5720	3.17	3.17
149	5745	16.43	16.43
157	5785	16.52	16.43
165	5825	16.43	16.43

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	18.96
40	5200	18.96	18.96
48	5240	18.96	18.96
52	5260	18.96	19.05
60	5300	18.96	18.96
64	5320	18.96	18.96
100	5500	18.96	18.96
116	5580	19.08	19.08
140	5700	18.96	18.96
144 (U-NII-2C)	5720	14.48	14.57
144 (U-NII-3)	5720	4.48	4.48
149	5745	19.05	18.96
157	5785	18.96	19.05
165	5825	18.96	19.05

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	38.09
46	5230	37.92	37.92
54	5270	38.09	37.92
62	5310	37.92	37.92
102	5510	38.26	37.92
110	5550	37.92	37.92
134	5670	37.92	37.92
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	3.96	3.96
151	5755	38.09	38.09
159	5795	38.09	38.09

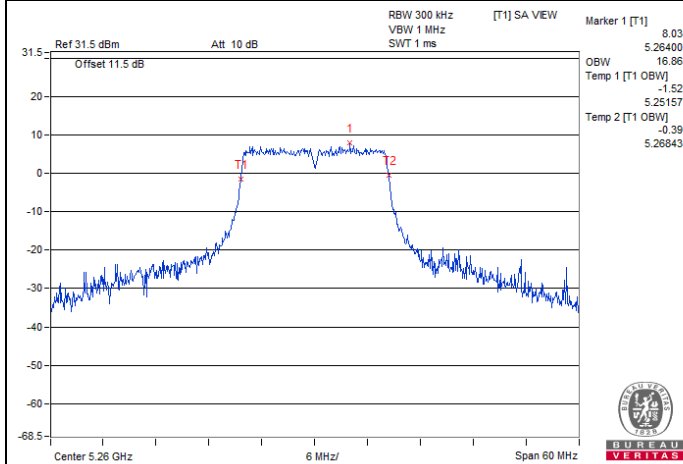
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.22	77.22
58	5290	77.22	77.22
106	5530	77.22	77.22
122	5610	77.28	77.28
138 (U-NII-2C)	5690	73.96	73.96
138 (U-NII-3)	5690	3.61	3.61
155	5775	77.57	77.57

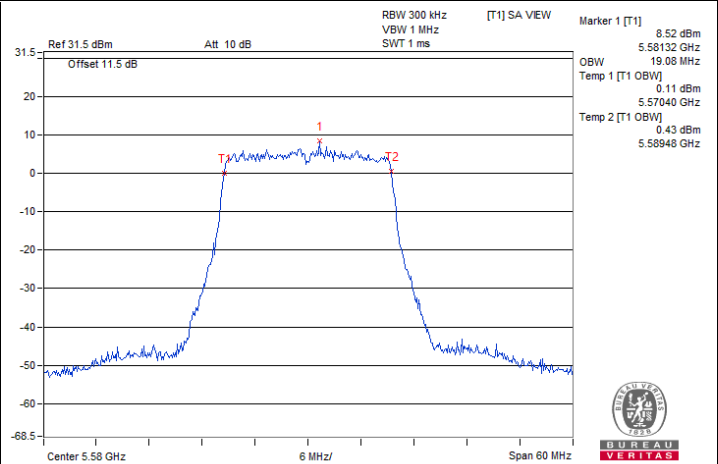
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	77.76
50 (U-NII-2A)	5250	78.72	78.72
114	5570	156.48	155.52

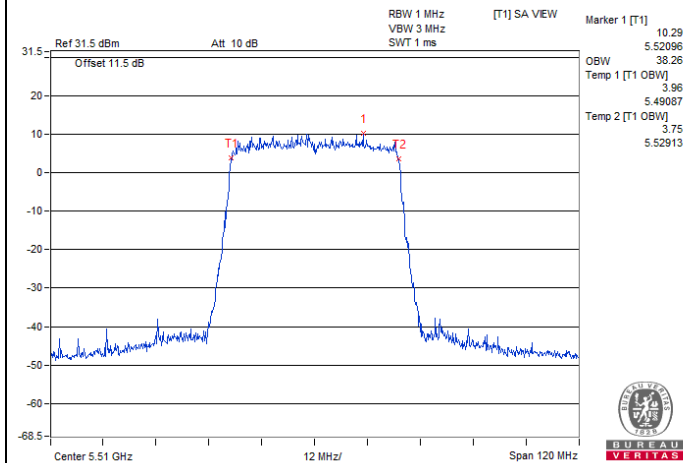
Spectrum Plot of Maximum Value



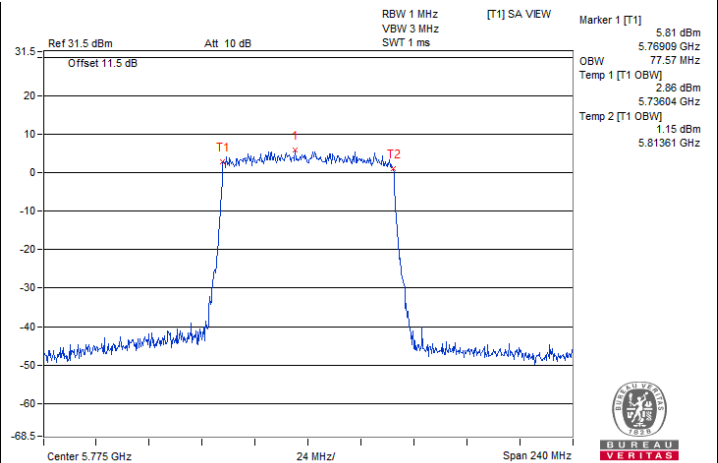
802.11a / Chain 0: CH 52



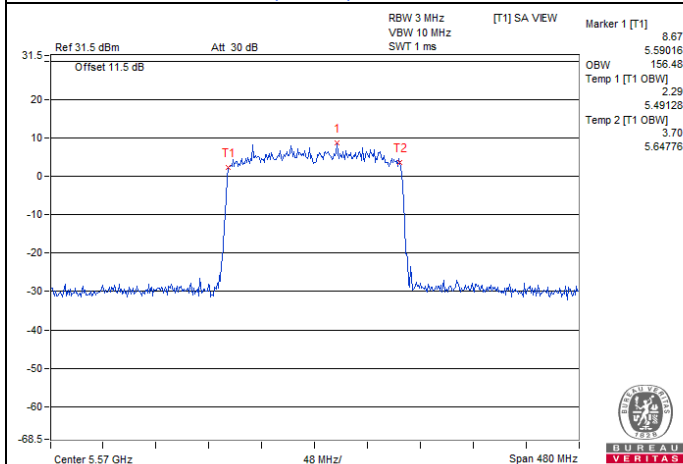
802.11ax (HE20) / Chain 0: CH 116



802.11ax (HE40) / Chain 0: CH 102

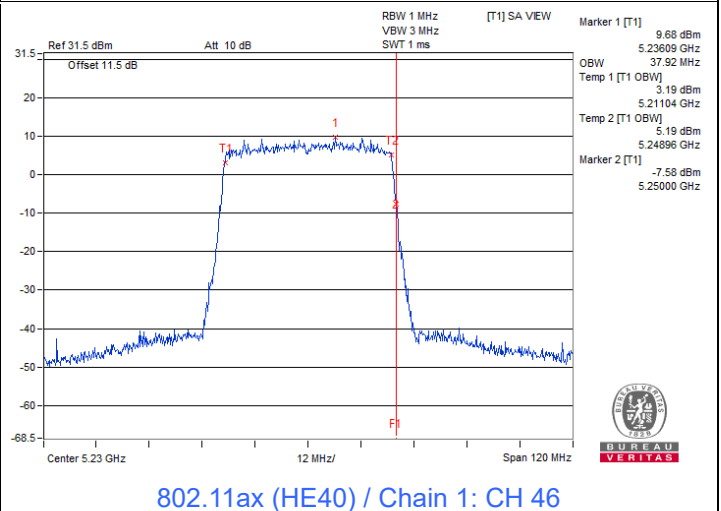
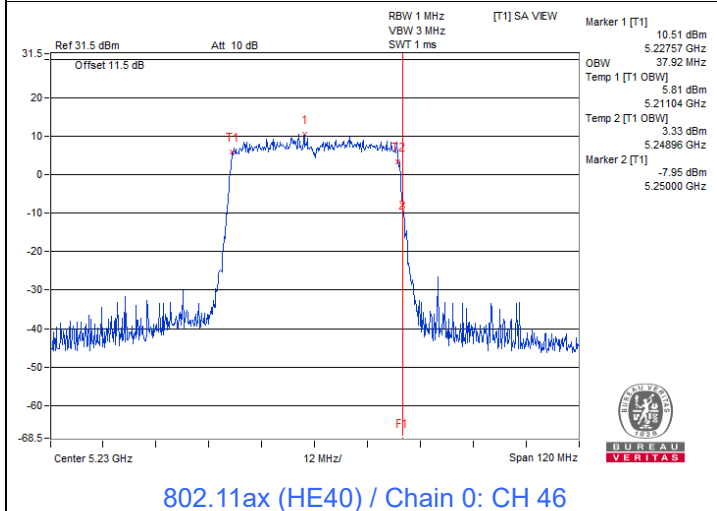
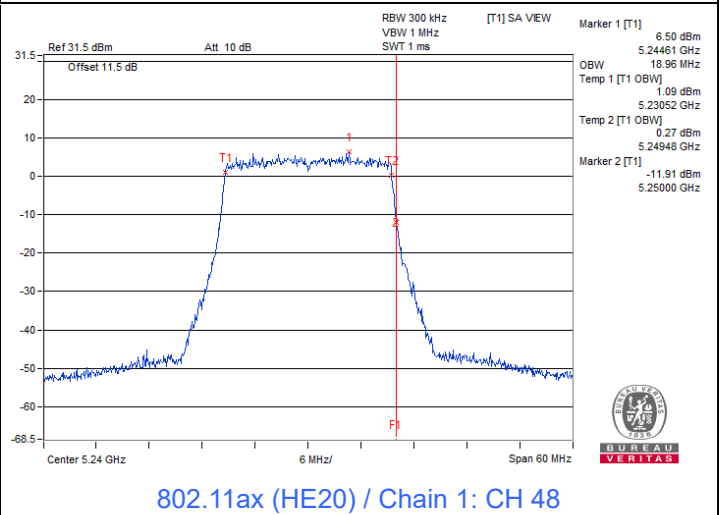
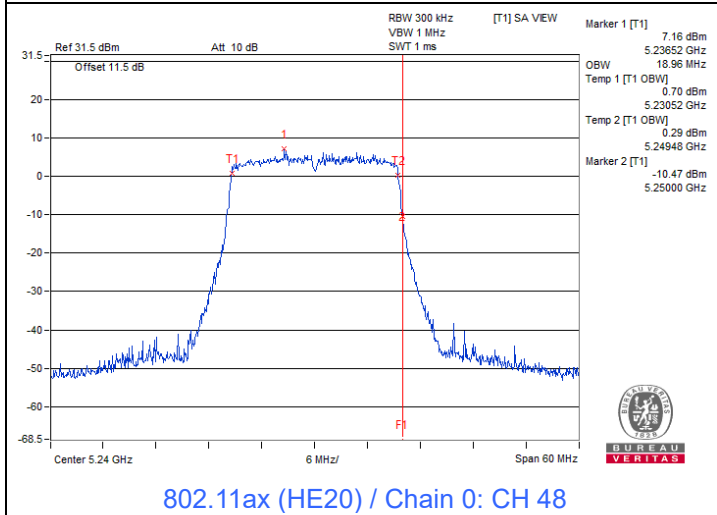
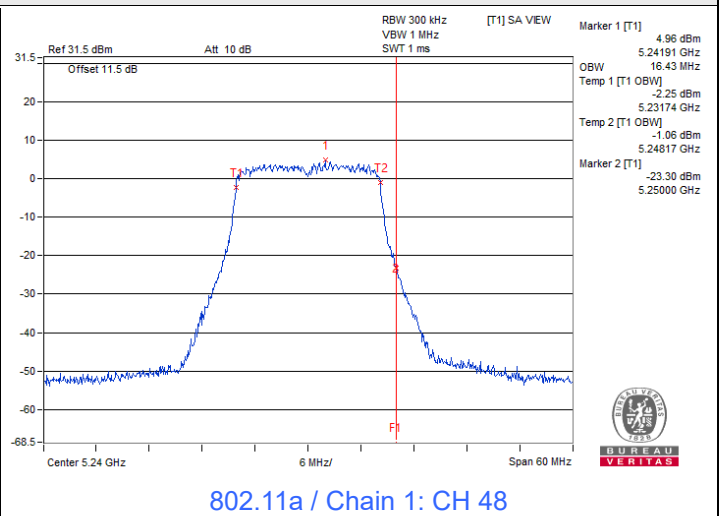
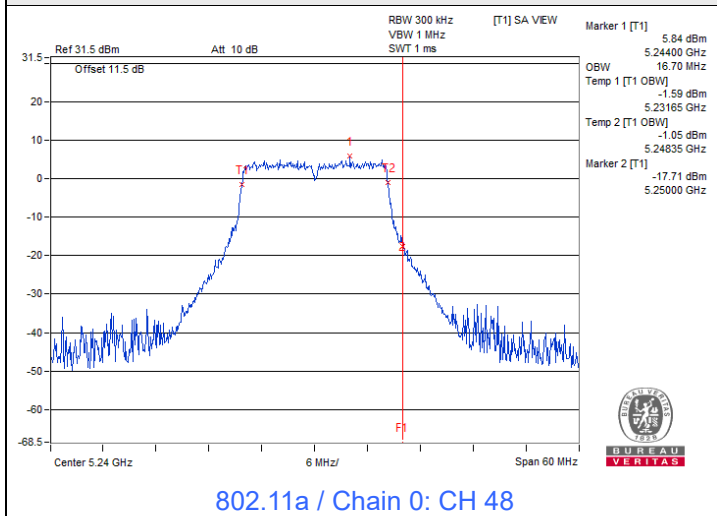


802.11ax (HE80) / Chain 0: CH 155

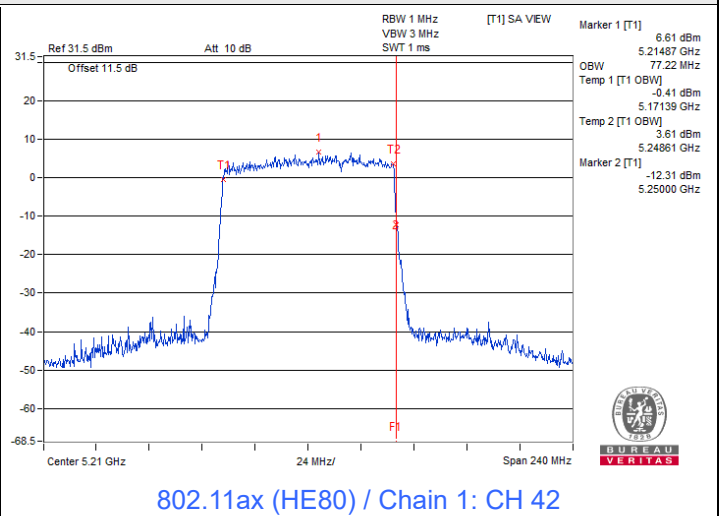
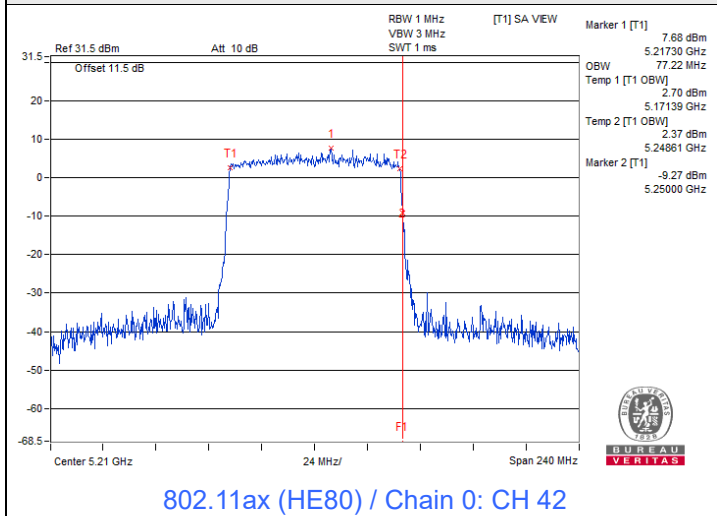


802.11ax (HE160) / Chain 0: CH 114

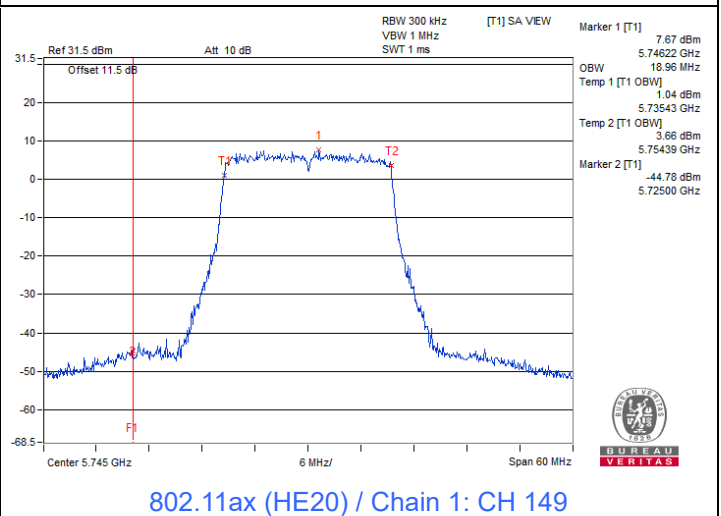
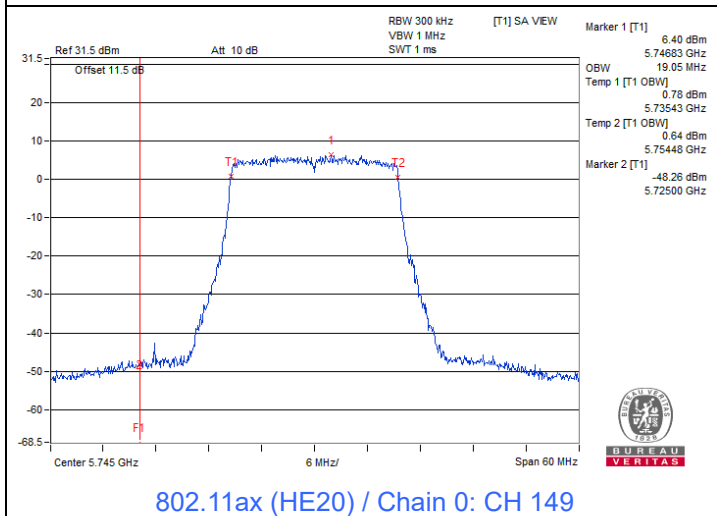
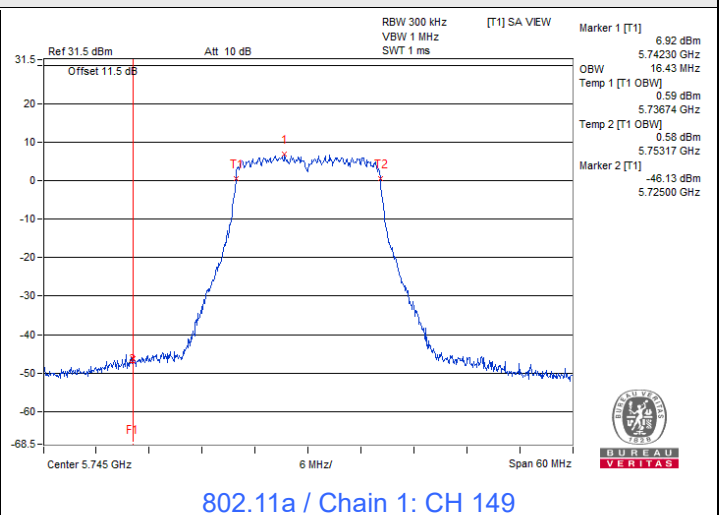
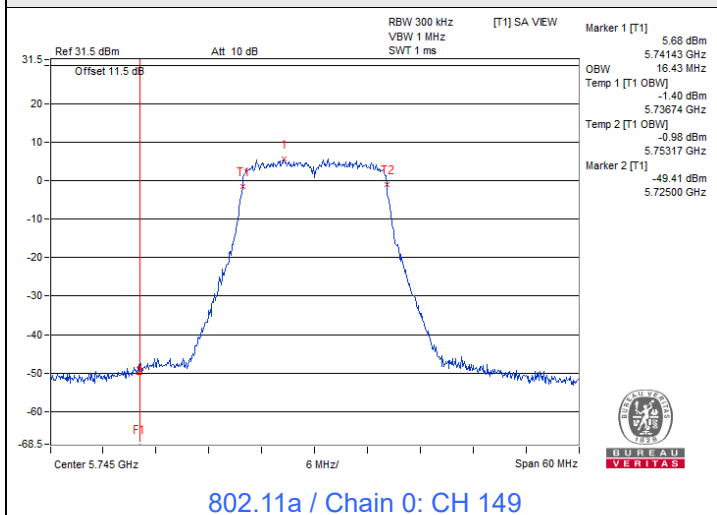
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



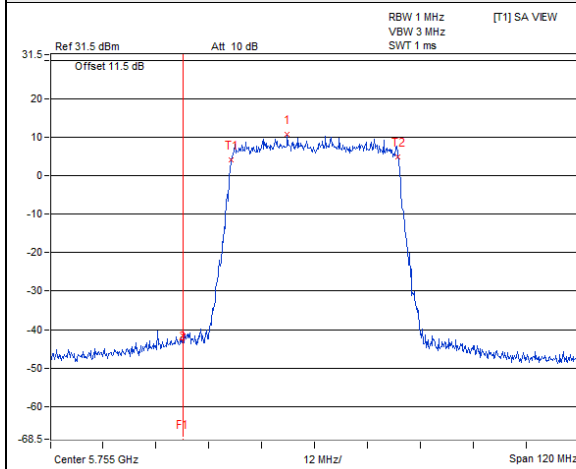
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



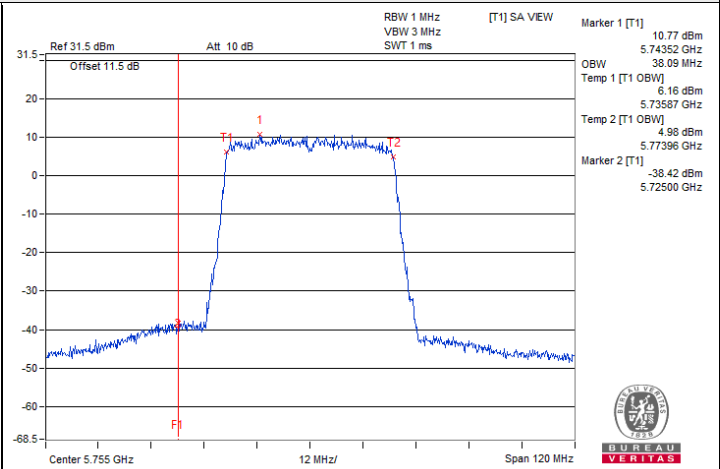
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



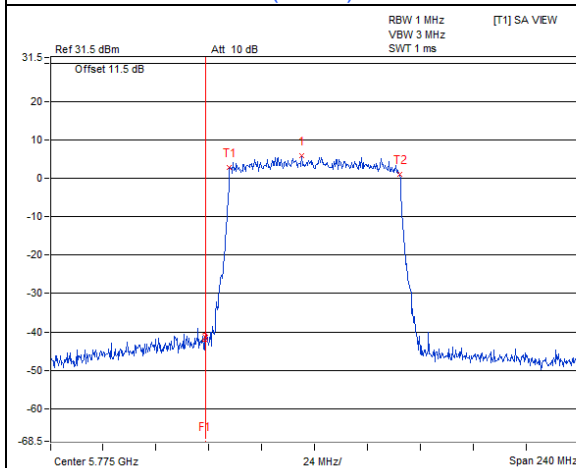
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



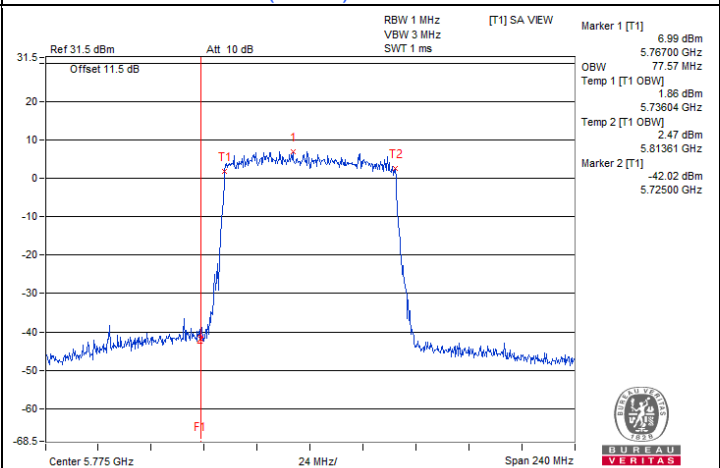
802.11ax (HE40) / Chain 0: CH 151



802.11ax (HE40) / Chain 1: CH 151



802.11ax (HE80) / Chain 0: CH 155



802.11ax (HE80) / Chain 1: CH 155

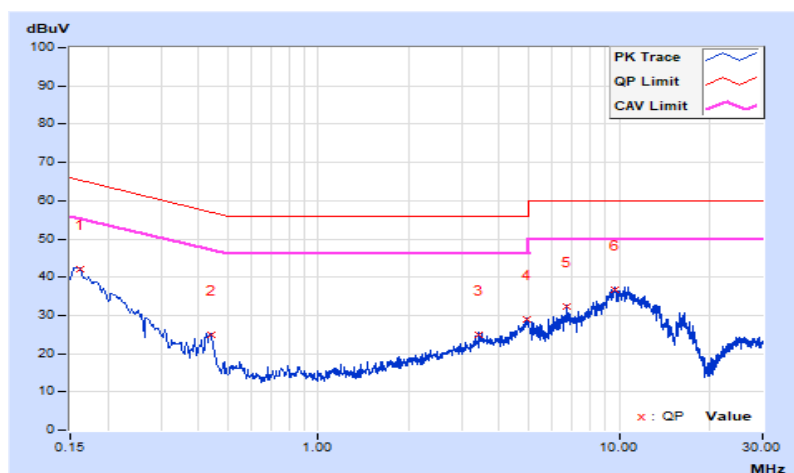
7.6 AC Power Conducted Emissions

RF Mode	802.11a	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	Jed Wu		

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	0.16173	10.21	31.77	10.89	41.98	21.10	65.37	55.37	-23.39	-34.27
2	0.43926	10.20	14.82	5.74	25.02	15.94	57.08	47.08	-32.06	-31.14
3	3.41370	10.34	14.60	6.34	24.94	16.68	56.00	46.00	-31.06	-29.32
4	4.91943	10.40	18.62	9.61	29.02	20.01	56.00	46.00	-26.98	-25.99
5	6.71302	10.46	21.83	11.92	32.29	22.38	60.00	50.00	-27.71	-27.62
6	9.73622	10.58	26.18	15.88	36.76	26.46	60.00	50.00	-23.24	-23.54

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

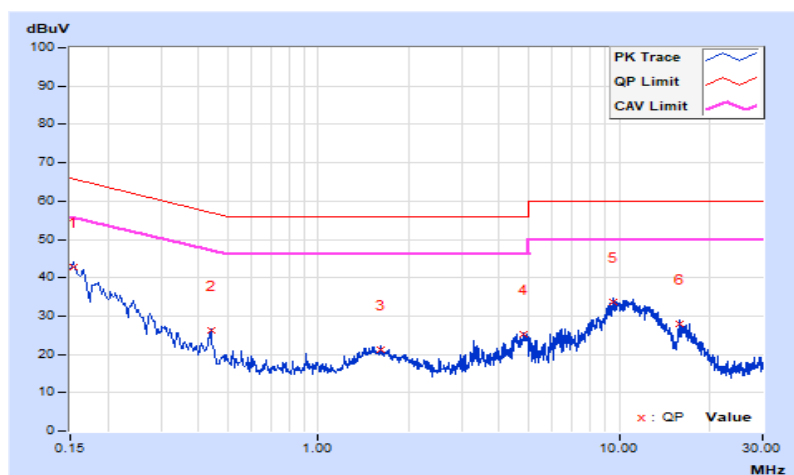


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

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	0.15391	10.32	32.46	11.56	42.78	21.88	65.79	55.79	-23.01	-33.91
2	0.43941	10.32	15.81	7.11	26.13	17.43	57.07	47.07	-30.94	-29.64
3	1.62246	10.37	10.76	4.45	21.13	14.82	56.00	46.00	-34.87	-31.18
4	4.82557	10.52	14.68	6.57	25.20	17.09	56.00	46.00	-30.80	-28.91
5	9.54849	10.71	22.81	13.27	33.52	23.98	60.00	50.00	-26.48	-26.02
6	15.83738	10.86	17.23	8.73	28.09	19.59	60.00	50.00	-31.91	-30.41

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



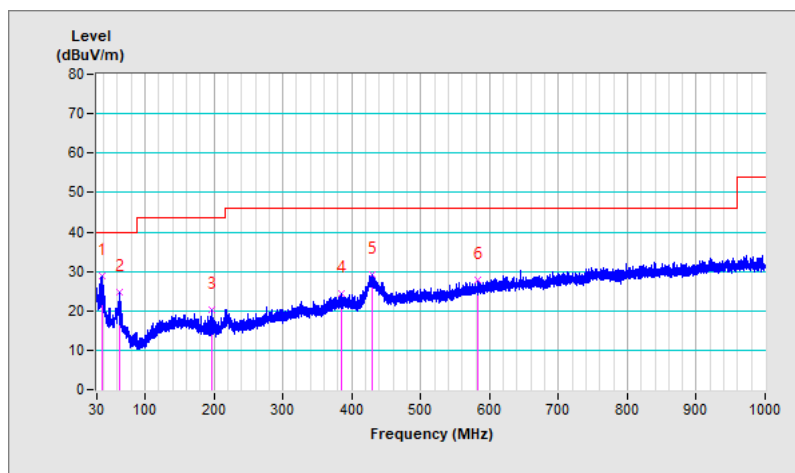
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.3% RH
Tested By	Jed Wu		

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	37.86	29.0 QP	40.0	-11.0	1.46 H	216	38.4	-9.4
2	63.08	24.6 QP	40.0	-15.4	1.23 H	18	34.0	-9.4
3	196.95	20.1 QP	43.5	-23.4	1.67 H	225	30.3	-10.2
4	384.28	24.4 QP	46.0	-21.6	1.80 H	95	27.7	-3.3
5	428.90	29.1 QP	46.0	-16.9	1.92 H	38	31.1	-2.0
6	582.86	27.7 QP	46.0	-18.3	1.53 H	147	26.4	1.3

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.

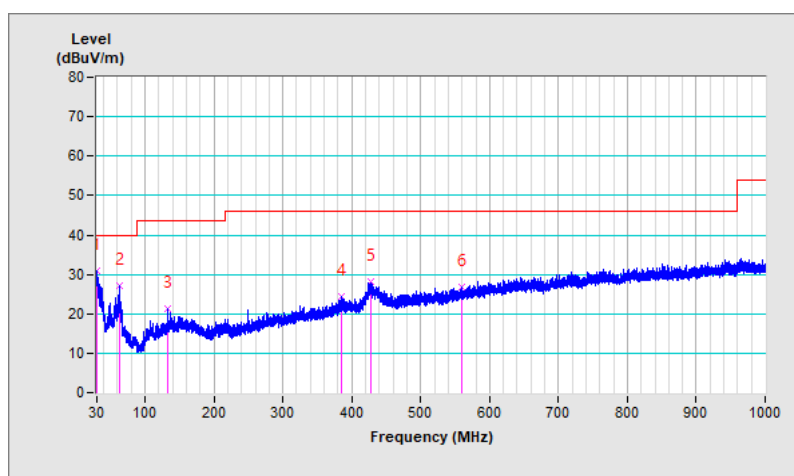


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.3% RH
Tested By	Jed Wu		

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	30.19	30.8 QP	40.0	-9.2	1.55 V	7	41.1	-10.3
2	63.08	27.1 QP	40.0	-12.9	1.34 V	275	36.5	-9.4
3	133.12	21.3 QP	43.5	-22.2	1.78 V	347	30.2	-8.9
4	384.86	24.3 QP	46.0	-21.7	1.96 V	236	27.6	-3.3
5	427.64	28.0 QP	46.0	-18.0	1.62 V	304	30.1	-2.1
6	560.35	26.7 QP	46.0	-19.3	1.20 V	15	26.3	0.4

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	62.9 PK	74.0	-11.1	3.95 H	29	54.7	8.2
2	5150.00	50.0 AV	54.0	-4.0	3.95 H	29	41.8	8.2
3	*5180.00	110.3 PK			3.95 H	29	102.0	8.3
4	*5180.00	99.6 AV			3.95 H	29	91.3	8.3
5	#10360.00	56.4 PK	68.2	-11.8	3.60 H	201	39.6	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.6 PK	74.0	-10.4	3.73 V	300	55.4	8.2
2	5150.00	50.7 AV	54.0	-3.3	3.73 V	300	42.5	8.2
3	*5180.00	111.0 PK			3.73 V	300	102.7	8.3
4	*5180.00	100.3 AV			3.73 V	300	92.0	8.3
5	#10360.00	57.1 PK	68.2	-11.1	3.38 V	261	40.3	16.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	109.3 PK			3.75 H	205	100.9	8.4
2	*5200.00	98.6 AV			3.75 H	205	90.2	8.4
3	#10400.00	55.4 PK	68.2	-12.8	3.40 H	17	38.6	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.0 PK			3.93 V	116	101.6	8.4
2	*5200.00	99.3 AV			3.93 V	116	90.9	8.4
3	#10400.00	56.1 PK	68.2	-12.1	3.18 V	77	39.3	16.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	110.1 PK			3.69 H	207	101.1	9.0
2	*5240.00	99.4 AV			3.69 H	207	90.4	9.0
3	5350.00	64.0 PK	74.0	-10.0	3.69 H	207	54.5	9.5
4	5350.00	50.3 AV	54.0	-3.7	3.69 H	207	40.8	9.5
5	#10480.00	56.2 PK	68.2	-12.0	3.34 H	19	39.0	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	110.8 PK			3.87 V	118	101.8	9.0
2	*5240.00	100.1 AV			3.87 V	118	91.1	9.0
3	5350.00	64.4 PK	74.0	-9.6	3.87 V	118	54.9	9.5
4	5350.00	50.7 AV	54.0	-3.3	3.87 V	118	41.2	9.5
5	#10480.00	56.9 PK	68.2	-11.3	3.12 V	79	39.7	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.0 PK	74.0	-11.0	3.69 H	202	54.8	8.2
2	5150.00	50.1 AV	54.0	-3.9	3.69 H	202	41.9	8.2
3	*5260.00	110.4 PK			3.69 H	202	101.2	9.2
4	*5260.00	99.7 AV			3.69 H	202	90.5	9.2
5	#10520.00	56.5 PK	68.2	-11.7	3.34 H	14	39.3	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.7 PK	74.0	-10.3	3.99 V	113	55.5	8.2
2	5150.00	50.8 AV	54.0	-3.2	3.99 V	113	42.6	8.2
3	*5260.00	111.1 PK			3.99 V	113	101.9	9.2
4	*5260.00	100.4 AV			3.99 V	113	91.2	9.2
5	#10520.00	57.2 PK	68.2	-11.0	3.64 V	74	40.0	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.6 PK			2.99 H	38	100.1	9.5
2	*5300.00	98.9 AV			2.99 H	38	89.4	9.5
3	10600.00	55.7 PK	74.0	-18.3	2.64 H	210	38.4	17.3
4	10600.00	42.8 AV	54.0	-11.2	2.64 H	210	25.5	17.3
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	110.3 PK			3.29 V	309	100.8	9.5
2	*5300.00	99.6 AV			3.29 V	309	90.1	9.5
3	10600.00	56.4 PK	74.0	-17.6	2.94 V	270	39.1	17.3
4	10600.00	43.5 AV	54.0	-10.5	2.94 V	270	26.2	17.3

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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	108.8 PK			3.02 H	46	99.3	9.5
2	*5320.00	98.1 AV			3.02 H	46	88.6	9.5
3	5350.00	63.4 PK	74.0	-10.6	3.02 H	46	53.9	9.5
4	5350.00	50.4 AV	54.0	-3.6	3.02 H	46	40.9	9.5
5	10640.00	54.9 PK	74.0	-19.1	2.67 H	218	37.7	17.2
6	10640.00	42.0 AV	54.0	-12.0	2.67 H	218	24.8	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.5 PK			3.32 V	317	100.0	9.5
2	*5320.00	98.8 AV			3.32 V	317	89.3	9.5
3	5350.00	63.8 PK	74.0	-10.2	3.32 V	317	54.3	9.5
4	5350.00	50.8 AV	54.0	-3.2	3.32 V	317	41.3	9.5
5	10640.00	55.6 PK	74.0	-18.4	2.97 V	278	38.4	17.2
6	10640.00	42.7 AV	54.0	-11.3	2.97 V	278	25.5	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.5 PK	74.0	-10.5	2.07 H	39	53.4	10.1
2	5460.00	50.5 AV	54.0	-3.5	2.07 H	39	40.4	10.1
3	#5470.00	63.8 PK	68.2	-4.4	2.07 H	39	53.6	10.2
4	*5500.00	110.7 PK			2.07 H	39	100.4	10.3
5	*5500.00	100.0 AV			2.07 H	39	89.7	10.3
6	11000.00	54.0 PK	74.0	-20.0	1.72 H	211	35.1	18.9
7	11000.00	41.1 AV	54.0	-12.9	1.72 H	211	22.2	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	5460.00	63.9 PK	74.0	-10.1	2.37 V	310	53.8	10.1
2	5460.00	50.9 AV	54.0	-3.1	2.37 V	310	40.8	10.1
3	#5470.00	64.2 PK	68.2	-4.0	2.37 V	310	54.0	10.2
4	*5500.00	111.4 PK			2.37 V	310	101.1	10.3
5	*5500.00	101.3 AV			2.37 V	310	91.0	10.3
6	11000.00	56.5 PK	74.0	-17.5	2.02 V	271	37.6	18.9
7	11000.00	43.6 AV	54.0	-10.4	2.02 V	271	24.7	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	802.11a	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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	110.8 PK			1.64 H	194	100.7	10.1
2	*5580.00	100.1 AV			1.64 H	194	90.0	10.1
3	11160.00	55.4 PK	74.0	-18.6	1.29 H	6	35.7	19.7
4	11160.00	42.5 AV	54.0	-11.5	1.29 H	6	22.8	19.7
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	*5580.00	108.3 PK			1.72 V	308	98.2	10.1
2	*5580.00	98.0 AV			1.72 V	308	87.9	10.1
3	11160.00	52.9 PK	74.0	-21.1	1.37 V	269	33.2	19.7
4	11160.00	40.0 AV	54.0	-14.0	1.37 V	269	20.3	19.7

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.

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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	109.8 PK			1.64 H	223	100.4	9.4
2	*5700.00	102.9 AV			1.64 H	223	93.5	9.4
3	#5725.00	64.0 PK	68.2	-4.2	1.64 H	223	54.5	9.5
4	11400.00	55.0 PK	74.0	-19.0	1.57 H	35	35.3	19.7
5	11400.00	42.1 AV	54.0	-11.9	1.57 H	35	22.4	19.7
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	*5700.00	107.9 PK			1.58 V	94	98.5	9.4
2	*5700.00	97.6 AV			1.58 V	94	88.2	9.4
3	#5725.00	63.6 PK	68.2	-4.6	1.58 V	94	54.1	9.5
4	11400.00	52.5 PK	74.0	-21.5	1.23 V	55	32.8	19.7
5	11400.00	39.6 AV	54.0	-14.4	1.23 V	55	19.9	19.7

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	64.3 PK	68.2	-3.9	1.74 H	219	54.1	10.2
2	*5720.00	110.7 PK			1.74 H	219	101.2	9.5
3	*5720.00	100.6 AV			1.74 H	219	91.1	9.5
4	11440.00	55.9 PK	74.0	-18.1	1.67 H	31	36.3	19.6
5	11440.00	43.0 AV	54.0	-11.0	1.67 H	31	23.4	19.6
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	#5470.00	63.9 PK	68.2	-4.3	1.68 V	90	53.7	10.2
2	*5720.00	107.0 PK			1.68 V	90	97.5	9.5
3	*5720.00	95.3 AV			1.68 V	90	85.8	9.5
4	11440.00	53.4 PK	74.0	-20.6	1.33 V	51	33.8	19.6
5	11440.00	40.5 AV	54.0	-13.5	1.33 V	51	20.9	19.6

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	#5637.60	62.2 PK	68.2	-6.0	1.62 H	225	52.8	9.4
2	*5745.00	109.5 PK			1.62 H	225	100.0	9.5
3	*5745.00	102.6 AV			1.62 H	225	93.1	9.5
4	#5988.00	63.0 PK	68.2	-5.2	1.62 H	225	53.7	9.3
5	11490.00	54.7 PK	74.0	-19.3	1.55 H	37	35.1	19.6
6	11490.00	41.8 AV	54.0	-12.2	1.55 H	37	22.2	19.6
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	#5608.00	62.7 PK	68.2	-5.5	1.56 V	96	52.9	9.8
2	*5745.00	107.6 PK			1.56 V	96	98.1	9.5
3	*5745.00	97.3 AV			1.56 V	96	87.8	9.5
4	#5960.00	62.7 PK	68.2	-5.5	1.56 V	96	53.5	9.2
5	11490.00	52.2 PK	74.0	-21.8	1.21 V	57	32.6	19.6
6	11490.00	39.3 AV	54.0	-14.7	1.21 V	57	19.7	19.6

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	#5640.40	62.7 PK	68.2	-5.5	1.62 H	217	53.3	9.4
2	*5785.00	110.2 PK			1.62 H	217	100.7	9.5
3	*5785.00	103.3 AV			1.62 H	217	93.8	9.5
4	#5959.20	62.8 PK	68.2	-5.4	1.62 H	217	53.6	9.2
5	11570.00	55.4 PK	74.0	-18.6	1.56 H	29	35.5	19.9
6	11570.00	42.5 AV	54.0	-11.5	1.56 H	29	22.6	19.9
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	#5602.00	62.8 PK	68.2	-5.4	1.57 V	88	52.9	9.9
2	*5785.00	108.3 PK			1.57 V	88	98.8	9.5
3	*5785.00	98.0 AV			1.57 V	88	88.5	9.5
4	#5966.40	63.2 PK	68.2	-5.0	1.57 V	88	54.0	9.2
5	11570.00	52.9 PK	74.0	-21.1	1.21 V	49	33.0	19.9
6	11570.00	40.0 AV	54.0	-14.0	1.21 V	49	20.1	19.9

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	802.11a	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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.80	62.9 PK	68.2	-5.3	1.87 H	211	53.4	9.5
2	*5825.00	109.8 PK			1.87 H	211	100.5	9.3
3	*5825.00	102.9 AV			1.87 H	211	93.6	9.3
4	#5974.00	63.2 PK	68.2	-5.0	1.87 H	211	54.0	9.2
5	11650.00	55.0 PK	74.0	-19.0	1.81 H	23	35.0	20.0
6	11650.00	42.1 AV	54.0	-11.9	1.81 H	23	22.1	20.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.80	62.7 PK	68.2	-5.5	1.82 V	82	52.9	9.8
2	*5825.00	107.9 PK			1.82 V	82	98.6	9.3
3	*5825.00	97.6 AV			1.82 V	82	88.3	9.3
4	#5958.40	63.0 PK	68.2	-5.2	1.82 V	82	53.8	9.2
5	11650.00	52.5 PK	74.0	-21.5	1.46 V	43	32.5	20.0
6	11650.00	39.6 AV	54.0	-14.4	1.46 V	43	19.6	20.0

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	62.1 PK	74.0	-11.9	3.99 H	34	53.9	8.2
2	5150.00	49.2 AV	54.0	-4.8	3.99 H	34	41.0	8.2
3	*5180.00	111.6 PK			3.99 H	34	103.3	8.3
4	*5180.00	98.8 AV			3.99 H	34	90.5	8.3
5	#10360.00	55.6 PK	68.2	-12.6	3.64 H	206	38.8	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.8 PK	74.0	-11.2	3.77 V	305	54.6	8.2
2	5150.00	49.9 AV	54.0	-4.1	3.77 V	305	41.7	8.2
3	*5180.00	112.3 PK			3.77 V	305	104.0	8.3
4	*5180.00	99.5 AV			3.77 V	305	91.2	8.3
5	#10360.00	56.3 PK	68.2	-11.9	3.42 V	266	39.5	16.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.7 PK			3.84 H	28	102.3	8.4
2	*5200.00	97.9 AV			3.84 H	28	89.5	8.4
3	#10400.00	54.7 PK	68.2	-13.5	3.49 H	200	37.9	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	111.4 PK			3.92 V	299	103.0	8.4
2	*5200.00	98.6 AV			3.92 V	299	90.2	8.4
3	#10400.00	55.4 PK	68.2	-12.8	3.57 V	260	38.6	16.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	111.8 PK			3.93 H	183	102.8	9.0
2	*5240.00	99.0 AV			3.93 H	183	90.0	9.0
3	5350.00	63.5 PK	74.0	-10.5	3.93 H	183	54.0	9.5
4	5350.00	50.1 AV	54.0	-3.9	3.93 H	183	40.6	9.5
5	#10480.00	55.8 PK	68.2	-12.4	3.58 H	355	38.6	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	112.5 PK			3.83 V	156	103.5	9.0
2	*5240.00	99.7 AV			3.83 V	156	90.7	9.0
3	5350.00	63.9 PK	74.0	-10.1	3.83 V	156	54.4	9.5
4	5350.00	50.5 AV	54.0	-3.5	3.83 V	156	41.0	9.5
5	#10480.00	56.5 PK	68.2	-11.7	3.48 V	117	39.3	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.0 PK	74.0	-11.0	1.99 H	285	54.8	8.2
2	5150.00	49.6 AV	54.0	-4.4	1.99 H	285	41.4	8.2
3	*5260.00	110.4 PK			1.99 H	285	101.2	9.2
4	*5260.00	97.6 AV			1.99 H	285	88.4	9.2
5	#10520.00	54.4 PK	68.2	-13.8	1.64 H	253	37.2	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.89 V	258	55.2	8.2
2	5150.00	50.0 AV	54.0	-4.0	1.89 V	258	41.8	8.2
3	*5260.00	111.1 PK			1.89 V	258	101.9	9.2
4	*5260.00	98.3 AV			1.89 V	258	89.1	9.2
5	#10520.00	55.1 PK	68.2	-13.1	1.54 V	214	37.9	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	110.7 PK			3.32 H	155	101.2	9.5
2	*5300.00	97.9 AV			3.32 H	155	88.4	9.5
3	10600.00	54.7 PK	74.0	-19.3	2.97 H	123	37.4	17.3
4	10600.00	41.8 AV	54.0	-12.2	2.97 H	123	24.5	17.3
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	111.4 PK			3.22 V	128	101.9	9.5
2	*5300.00	98.6 AV			3.22 V	128	89.1	9.5
3	10600.00	55.4 PK	74.0	-18.6	2.87 V	89	38.1	17.3
4	10600.00	42.5 AV	54.0	-11.5	2.87 V	89	25.2	17.3

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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	110.9 PK			3.45 H	146	101.4	9.5
2	*5320.00	98.2 AV			3.45 H	146	88.7	9.5
3	5350.00	63.9 PK	74.0	-10.1	3.45 H	146	54.4	9.5
4	5350.00	50.3 AV	54.0	-3.7	3.45 H	146	40.8	9.5
5	10640.00	54.9 PK	74.0	-19.1	3.10 H	114	37.7	17.2
6	10640.00	42.0 AV	54.0	-12.0	3.10 H	114	24.8	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.6 PK			3.35 V	119	102.1	9.5
2	*5320.00	98.8 AV			3.35 V	119	89.3	9.5
3	5350.00	64.3 PK	74.0	-9.7	3.35 V	119	54.8	9.5
4	5350.00	50.7 AV	54.0	-3.3	3.35 V	119	41.2	9.5
5	10640.00	55.6 PK	74.0	-18.4	3.00 V	80	38.4	17.2
6	10640.00	42.7 AV	54.0	-11.3	3.00 V	80	25.5	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.3 PK	74.0	-10.7	2.61 H	162	53.2	10.1
2	5460.00	50.4 AV	54.0	-3.6	2.61 H	162	40.3	10.1
3	#5470.00	63.8 PK	68.2	-4.4	2.61 H	162	53.6	10.2
4	*5500.00	112.1 PK			2.61 H	162	101.8	10.3
5	*5500.00	99.4 AV			2.61 H	162	89.1	10.3
6	11000.00	55.0 PK	74.0	-19.0	2.26 H	130	36.1	18.9
7	11000.00	42.2 AV	54.0	-11.8	2.26 H	130	23.3	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	5460.00	63.7 PK	74.0	-10.3	2.51 V	135	53.6	10.1
2	5460.00	50.8 AV	54.0	-3.2	2.51 V	135	40.7	10.1
3	#5470.00	64.2 PK	68.2	-4.0	2.51 V	135	54.0	10.2
4	*5500.00	112.8 PK			2.51 V	135	102.5	10.3
5	*5500.00	100.0 AV			2.51 V	135	89.7	10.3
6	11000.00	55.8 PK	74.0	-18.2	2.16 V	96	36.9	18.9
7	11000.00	42.9 AV	54.0	-11.1	2.16 V	96	24.0	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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	112.4 PK			1.50 H	32	102.3	10.1
2	*5580.00	99.1 AV			1.50 H	32	89.0	10.1
3	11160.00	54.4 PK	74.0	-19.6	1.15 H	204	34.7	19.7
4	11160.00	41.5 AV	54.0	-12.5	1.15 H	204	21.8	19.7
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	*5580.00	109.9 PK			1.58 V	146	99.8	10.1
2	*5580.00	97.0 AV			1.58 V	146	86.9	10.1
3	11160.00	51.9 PK	74.0	-22.1	1.23 V	107	32.2	19.7
4	11160.00	39.0 AV	54.0	-15.0	1.23 V	107	19.3	19.7

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.

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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.6 PK			1.62 H	41	103.2	9.4
2	*5700.00	99.3 AV			1.62 H	41	89.9	9.4
3	#5725.00	63.9 PK	68.2	-4.3	1.62 H	41	54.4	9.5
4	11400.00	54.6 PK	74.0	-19.4	1.27 H	213	34.9	19.7
5	11400.00	41.7 AV	54.0	-12.3	1.27 H	213	22.0	19.7
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	*5700.00	110.1 PK			1.70 V	155	100.7	9.4
2	*5700.00	97.2 AV			1.70 V	155	87.8	9.4
3	#5725.00	63.5 PK	68.2	-4.7	1.70 V	155	54.0	9.5
4	11400.00	52.1 PK	74.0	-21.9	1.35 V	116	32.4	19.7
5	11400.00	39.2 AV	54.0	-14.8	1.35 V	116	19.5	19.7

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	64.0 PK	68.2	-4.2	1.72 H	219	53.8	10.2
2	*5720.00	112.7 PK			1.72 H	219	103.2	9.5
3	*5720.00	99.4 AV			1.72 H	219	89.9	9.5
4	11440.00	54.7 PK	74.0	-19.3	1.37 H	31	35.1	19.6
5	11440.00	41.8 AV	54.0	-12.2	1.37 H	31	22.2	19.6
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	#5470.00	63.6 PK	68.2	-4.6	1.66 V	90	53.4	10.2
2	*5720.00	110.0 PK			1.66 V	90	100.5	9.5
3	*5720.00	97.1 AV			1.66 V	90	87.6	9.5
4	11440.00	54.5 PK	74.0	-19.5	1.31 V	262	34.9	19.6
5	11440.00	41.6 AV	54.0	-12.4	1.31 V	262	22.0	19.6

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	#5606.40	62.7 PK	68.2	-5.5	1.51 H	34	52.9	9.8
2	*5745.00	113.5 PK			1.51 H	34	104.0	9.5
3	*5745.00	100.2 AV			1.51 H	34	90.7	9.5
4	#6000.00	62.8 PK	68.2	-5.4	1.51 H	34	53.6	9.2
5	11490.00	55.5 PK	74.0	-18.5	1.16 H	206	35.9	19.6
6	11490.00	42.6 AV	54.0	-11.4	1.16 H	206	23.0	19.6
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	#5616.80	63.3 PK	68.2	-4.9	1.59 V	149	53.6	9.7
2	*5745.00	111.0 PK			1.59 V	149	101.5	9.5
3	*5745.00	98.1 AV			1.59 V	149	88.6	9.5
4	#5961.20	63.1 PK	68.2	-5.1	1.59 V	149	53.9	9.2
5	11490.00	53.0 PK	74.0	-21.0	1.24 V	110	33.4	19.6
6	11490.00	40.1 AV	54.0	-13.9	1.24 V	110	20.5	19.6

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	#5614.80	63.6 PK	68.2	-4.6	1.31 H	30	53.2	10.4
2	*5785.00	114.3 PK			1.31 H	30	104.3	10.0
3	*5785.00	101.0 AV			1.31 H	30	91.0	10.0
4	#5943.60	62.9 PK	68.2	-5.3	1.31 H	30	52.5	10.4
5	11570.00	56.3 PK	74.0	-17.7	1.36 H	202	37.4	18.9
6	11570.00	43.4 AV	54.0	-10.6	1.36 H	202	24.5	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	#5608.00	62.8 PK	68.2	-5.4	1.39 V	145	53.0	9.8
2	*5785.00	111.8 PK			1.39 V	145	102.3	9.5
3	*5785.00	98.9 AV			1.39 V	145	89.4	9.5
4	#5936.00	63.7 PK	68.2	-4.5	1.39 V	145	54.5	9.2
5	11570.00	53.8 PK	74.0	-20.2	1.04 V	106	33.9	19.9
6	11570.00	40.9 AV	54.0	-13.1	1.04 V	106	21.0	19.9

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.20	63.0 PK	68.2	-5.2	1.53 H	33	53.2	9.8
2	*5825.00	113.3 PK			1.53 H	33	104.0	9.3
3	*5825.00	100.0 AV			1.53 H	33	90.7	9.3
4	#5984.40	62.5 PK	68.2	-5.7	1.53 H	33	53.2	9.3
5	11650.00	55.3 PK	74.0	-18.7	1.18 H	205	35.3	20.0
6	11650.00	42.4 AV	54.0	-11.6	1.18 H	205	22.4	20.0
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	#5614.80	61.9 PK	68.2	-6.3	1.61 V	148	52.1	9.8
2	*5825.00	110.8 PK			1.61 V	148	101.5	9.3
3	*5825.00	97.9 AV			1.61 V	148	88.6	9.3
4	#5978.00	63.5 PK	68.2	-4.7	1.61 V	148	54.3	9.2
5	11650.00	52.8 PK	74.0	-21.2	1.26 V	109	32.8	20.0
6	11650.00	39.9 AV	54.0	-14.1	1.26 V	109	19.9	20.0

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.6 PK	74.0	-10.4	3.95 H	29	55.4	8.2
2	5150.00	50.1 AV	54.0	-3.9	3.95 H	29	41.9	8.2
3	*5190.00	108.8 PK			3.95 H	29	100.4	8.4
4	*5190.00	95.7 AV			3.95 H	29	87.3	8.4
5	#10380.00	54.5 PK	68.2	-13.7	3.60 H	201	37.6	16.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.0 PK	74.0	-10.0	3.81 V	300	55.8	8.2
2	5150.00	50.5 AV	54.0	-3.5	3.81 V	300	42.3	8.2
3	*5190.00	109.5 PK			3.81 V	300	101.1	8.4
4	*5190.00	96.4 AV			3.81 V	300	88.0	8.4
5	#10380.00	55.2 PK	68.2	-13.0	3.38 V	261	38.3	16.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	108.4 PK			3.70 H	32	99.5	8.9
2	*5230.00	95.3 AV			3.70 H	32	86.4	8.9
3	5350.00	63.2 PK	74.0	-10.8	3.70 H	32	53.7	9.5
4	5350.00	49.7 AV	54.0	-4.3	3.70 H	32	40.2	9.5
5	#10460.00	54.1 PK	68.2	-14.1	3.35 H	204	36.9	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	109.1 PK			3.56 V	303	100.2	8.9
2	*5230.00	96.0 AV			3.56 V	303	87.1	8.9
3	5350.00	63.6 PK	74.0	-10.4	3.56 V	303	54.1	9.5
4	5350.00	50.1 AV	54.0	-3.9	3.56 V	303	40.6	9.5
5	#10460.00	54.8 PK	68.2	-13.4	3.13 V	264	37.6	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.0 PK	74.0	-11.0	3.88 H	62	54.8	8.2
2	5150.00	49.8 AV	54.0	-4.2	3.88 H	62	41.6	8.2
3	*5270.00	108.9 PK			3.88 H	62	99.7	9.2
4	*5270.00	95.8 AV			3.88 H	62	86.6	9.2
5	#10540.00	54.6 PK	68.2	-13.6	3.53 H	234	37.3	17.3
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	5150.00	63.4 PK	74.0	-10.6	3.74 V	333	55.2	8.2
2	5150.00	50.2 AV	54.0	-3.8	3.74 V	333	42.0	8.2
3	*5270.00	109.6 PK			3.74 V	333	100.4	9.2
4	*5270.00	96.5 AV			3.74 V	333	87.3	9.2
5	#10540.00	55.3 PK	68.2	-12.9	3.31 V	294	38.0	17.3

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	108.2 PK			3.14 H	232	98.7	9.5
2	*5310.00	95.1 AV			3.14 H	232	85.6	9.5
3	5350.00	62.3 PK	74.0	-11.7	3.14 H	232	52.8	9.5
4	5350.00	49.1 AV	54.0	-4.9	3.14 H	232	39.6	9.5
5	10620.00	53.9 PK	74.0	-20.1	2.79 H	44	36.6	17.3
6	10620.00	41.0 AV	54.0	-13.0	2.79 H	44	23.7	17.3
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	*5310.00	108.9 PK			3.00 V	143	99.4	9.5
2	*5310.00	95.8 AV			3.00 V	143	86.3	9.5
3	5350.00	62.7 PK	74.0	-11.3	3.00 V	143	53.2	9.5
4	5350.00	49.5 AV	54.0	-4.5	3.00 V	143	40.0	9.5
5	10620.00	54.6 PK	74.0	-19.4	2.57 V	104	37.3	17.3
6	10620.00	41.7 AV	54.0	-12.3	2.57 V	104	24.4	17.3

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.4 PK	74.0	-10.6	2.17 H	72	53.3	10.1
2	5460.00	50.6 AV	54.0	-3.4	2.17 H	72	40.5	10.1
3	#5470.00	63.6 PK	68.2	-4.6	2.17 H	72	53.4	10.2
4	*5510.00	108.6 PK			2.17 H	72	98.3	10.3
5	*5510.00	95.5 AV			2.17 H	72	85.2	10.3
6	11020.00	53.5 PK	74.0	-20.5	1.82 H	244	34.5	19.0
7	11020.00	40.6 AV	54.0	-13.4	1.82 H	244	21.6	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	5460.00	63.8 PK	74.0	-10.2	3.97 V	343	53.7	10.1
2	5460.00	51.0 AV	54.0	-3.0	3.97 V	343	40.9	10.1
3	#5470.00	64.0 PK	68.2	-4.2	3.97 V	343	53.8	10.2
4	*5510.00	109.3 PK			3.97 V	343	99.0	10.3
5	*5510.00	96.2 AV			3.97 V	343	85.9	10.3
6	11020.00	55.0 PK	74.0	-19.0	3.54 V	304	36.0	19.0
7	11020.00	42.1 AV	54.0	-11.9	3.54 V	304	23.1	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	802.11ax (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.5 PK			1.50 H	30	100.2	10.3
2	*5550.00	97.4 AV			1.50 H	30	87.1	10.3
3	11100.00	55.2 PK	74.0	-18.8	1.15 H	202	35.7	19.5
4	11100.00	42.3 AV	54.0	-11.7	1.15 H	202	22.8	19.5
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	*5550.00	108.0 PK			1.58 V	144	97.7	10.3
2	*5550.00	95.3 AV			1.58 V	144	85.0	10.3
3	11100.00	53.7 PK	74.0	-20.3	1.15 V	105	34.2	19.5
4	11100.00	40.8 AV	54.0	-13.2	1.15 V	105	21.3	19.5

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.

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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	110.7 PK			1.49 H	36	101.4	9.3
2	*5670.00	97.6 AV			1.49 H	36	88.3	9.3
3	#5725.00	64.1 PK	68.2	-4.1	1.49 H	36	54.6	9.5
4	11340.00	55.4 PK	74.0	-18.6	1.14 H	208	35.8	19.6
5	11340.00	42.5 AV	54.0	-11.5	1.14 H	208	22.9	19.6
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	108.2 PK			1.57 V	150	98.9	9.3
2	*5670.00	95.5 AV			1.57 V	150	86.2	9.3
3	#5725.00	63.7 PK	68.2	-4.5	1.57 V	150	54.2	9.5
4	11340.00	53.9 PK	74.0	-20.1	1.14 V	111	34.3	19.6
5	11340.00	41.0 AV	54.0	-13.0	1.14 V	111	21.4	19.6

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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	63.7 PK	68.2	-4.5	1.59 H	224	53.5	10.2
2	*5710.00	110.4 PK			1.59 H	224	101.0	9.4
3	*5710.00	97.3 AV			1.59 H	224	87.9	9.4
4	11420.00	55.1 PK	74.0	-18.9	1.24 H	36	35.4	19.7
5	11420.00	42.2 AV	54.0	-11.8	1.24 H	36	22.5	19.7
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	#5470.00	63.3 PK	68.2	-4.9	1.68 V	332	53.1	10.2
2	*5710.00	107.7 PK			1.68 V	332	98.3	9.4
3	*5710.00	95.0 AV			1.68 V	332	85.6	9.4
4	11420.00	53.4 PK	74.0	-20.6	1.25 V	293	33.7	19.7
5	11420.00	40.5 AV	54.0	-13.5	1.25 V	293	20.8	19.7

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	#5602.00	62.5 PK	68.2	-5.7	1.50 H	34	52.6	9.9
2	*5755.00	110.8 PK			1.50 H	34	101.2	9.6
3	*5755.00	97.7 AV			1.50 H	34	88.1	9.6
4	#5966.80	62.8 PK	68.2	-5.4	1.50 H	34	53.6	9.2
5	11510.00	55.5 PK	74.0	-18.5	1.15 H	206	35.9	19.6
6	11510.00	42.6 AV	54.0	-11.4	1.15 H	206	23.0	19.6
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	#5627.20	62.1 PK	68.2	-6.1	1.58 V	148	52.5	9.6
2	*5755.00	108.1 PK			1.58 V	148	98.5	9.6
3	*5755.00	95.4 AV			1.58 V	148	85.8	9.6
4	#5972.00	62.9 PK	68.2	-5.3	1.58 V	148	53.7	9.2
5	11510.00	53.8 PK	74.0	-20.2	1.15 V	109	34.2	19.6
6	11510.00	40.9 AV	54.0	-13.1	1.15 V	109	21.3	19.6

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 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	#5603.60	62.9 PK	68.2	-5.3	1.30 H	28	53.0	9.9
2	*5795.00	111.7 PK			1.30 H	28	102.1	9.6
3	*5795.00	98.6 AV			1.30 H	28	89.0	9.6
4	#5960.00	62.6 PK	68.2	-5.6	1.30 H	28	53.4	9.2
5	11590.00	56.4 PK	74.0	-17.6	1.35 H	200	36.4	20.0
6	11590.00	43.5 AV	54.0	-10.5	1.35 H	200	23.5	20.0
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	#5607.20	62.8 PK	68.2	-5.4	1.38 V	142	53.0	9.8
2	*5795.00	109.0 PK			1.38 V	142	99.4	9.6
3	*5795.00	96.3 AV			1.38 V	142	86.7	9.6
4	#5980.80	62.8 PK	68.2	-5.4	1.38 V	142	53.5	9.3
5	11590.00	54.7 PK	74.0	-19.3	1.35 V	103	34.7	20.0
6	11590.00	41.8 AV	54.0	-12.2	1.35 V	103	21.8	20.0

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	64.4 PK	74.0	-9.6	1.72 H	26	56.2	8.2
2	5150.00	50.0 AV	54.0	-4.0	1.72 H	26	41.8	8.2
3	*5210.00	104.9 PK			1.72 H	26	96.4	8.5
4	*5210.00	92.2 AV			1.72 H	26	83.7	8.5
5	5350.00	63.8 PK	74.0	-10.2	1.72 H	26	54.3	9.5
6	5350.00	50.5 AV	54.0	-3.5	1.72 H	26	41.0	9.5
7	#10420.00	53.6 PK	68.2	-14.6	1.37 H	198	36.7	16.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	1.58 V	297	56.5	8.2
2	5150.00	50.3 AV	54.0	-3.7	1.58 V	297	42.1	8.2
3	*5210.00	105.6 PK			1.58 V	297	97.1	8.5
4	*5210.00	92.9 AV			1.58 V	297	84.4	8.5
5	5350.00	64.1 PK	74.0	-9.9	1.58 V	297	54.6	9.5
6	5350.00	50.8 AV	54.0	-3.2	1.58 V	297	41.3	9.5
7	#10420.00	54.3 PK	68.2	-13.9	1.15 V	258	37.4	16.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	64.5 PK	74.0	-9.5	3.41 H	216	56.3	8.2
2	5150.00	50.1 AV	54.0	-3.9	3.41 H	216	41.9	8.2
3	*5290.00	105.1 PK			3.41 H	216	95.7	9.4
4	*5290.00	92.4 AV			3.41 H	216	83.0	9.4
5	5350.00	63.9 PK	74.0	-10.1	3.41 H	216	54.4	9.5
6	5350.00	50.6 AV	54.0	-3.4	3.41 H	216	41.1	9.5
7	#10580.00	53.8 PK	68.2	-14.4	3.06 H	28	36.5	17.3
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	5150.00	64.9 PK	74.0	-9.1	3.27 V	127	56.7	8.2
2	5150.00	50.5 AV	54.0	-3.5	3.27 V	127	42.3	8.2
3	*5290.00	105.8 PK			3.27 V	127	96.4	9.4
4	*5290.00	93.1 AV			3.27 V	127	83.7	9.4
5	5350.00	64.3 PK	74.0	-9.7	3.27 V	127	54.8	9.5
6	5350.00	51.0 AV	54.0	-3.0	3.27 V	127	41.5	9.5
7	#10580.00	54.5 PK	68.2	-13.7	2.84 V	88	37.2	17.3

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	63.8 PK	74.0	-10.2	2.12 H	67	53.7	10.1
2	5460.00	52.0 AV	54.0	-2.0	2.12 H	67	41.9	10.1
3	#5470.00	64.1 PK	68.2	-4.1	2.12 H	67	53.9	10.2
4	*5530.00	104.6 PK			2.12 H	67	94.3	10.3
5	*5530.00	91.9 AV			2.12 H	67	81.6	10.3
6	11060.00	53.3 PK	74.0	-20.7	1.77 H	239	34.1	19.2
7	11060.00	40.4 AV	54.0	-13.6	1.77 H	239	21.2	19.2
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	5460.00	64.2 PK	74.0	-9.8	1.98 V	338	54.1	10.1
2	5460.00	52.4 AV	54.0	-1.6	1.98 V	338	42.3	10.1
3	#5470.00	64.5 PK	68.2	-3.7	1.98 V	338	54.3	10.2
4	*5530.00	105.3 PK			1.98 V	338	95.0	10.3
5	*5530.00	92.6 AV			1.98 V	338	82.3	10.3
6	11060.00	54.0 PK	74.0	-20.0	1.55 V	299	34.8	19.2
7	11060.00	41.1 AV	54.0	-12.9	1.55 V	299	21.9	19.2

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	107.1 PK			1.38 H	29	97.3	9.8
2	*5610.00	94.4 AV			1.38 H	29	84.6	9.8
3	#5725.00	63.6 PK	68.2	-4.6	1.38 H	29	54.1	9.5
4	11220.00	54.8 PK	74.0	-19.2	1.03 H	201	35.1	19.7
5	11220.00	41.9 AV	54.0	-12.1	1.03 H	201	22.2	19.7
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	*5610.00	104.6 PK			1.46 V	143	94.8	9.8
2	*5610.00	92.3 AV			1.46 V	143	82.5	9.8
3	#5725.00	63.2 PK	68.2	-5.0	1.46 V	143	53.7	9.5
4	11220.00	53.3 PK	74.0	-20.7	1.03 V	104	33.6	19.7
5	11220.00	40.4 AV	54.0	-13.6	1.03 V	104	20.7	19.7

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	63.6 PK	68.2	-4.6	1.58 H	226	53.4	10.2
2	*5690.00	107.0 PK			1.58 H	226	97.6	9.4
3	*5690.00	94.3 AV			1.58 H	226	84.9	9.4
4	11380.00	54.7 PK	74.0	-19.3	1.23 H	38	35.0	19.7
5	11380.00	41.8 AV	54.0	-12.2	1.23 H	38	22.1	19.7
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	#5470.00	63.2 PK	68.2	-5.0	1.66 V	20	53.0	10.2
2	*5690.00	104.5 PK			1.66 V	20	95.1	9.4
3	*5690.00	92.2 AV			1.66 V	20	82.8	9.4
4	11380.00	53.2 PK	74.0	-20.8	1.23 V	301	33.5	19.7
5	11380.00	40.3 AV	54.0	-13.7	1.23 V	301	20.6	19.7

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.5 °C, 74.3% RH
Tested By	Jed Wu		

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	#5610.80	62.4 PK	68.2	-5.8	1.49 H	33	52.6	9.8
2	*5775.00	107.5 PK			1.49 H	33	97.9	9.6
3	*5775.00	94.8 AV			1.49 H	33	85.2	9.6
4	#5957.20	62.7 PK	68.2	-5.5	1.49 H	33	53.5	9.2
5	11550.00	55.2 PK	74.0	-18.8	1.14 H	205	35.4	19.8
6	11550.00	42.3 AV	54.0	-11.7	1.14 H	205	22.5	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	#5602.00	63.2 PK	68.2	-5.0	1.57 V	147	53.3	9.9
2	*5775.00	105.0 PK			1.57 V	147	95.4	9.6
3	*5775.00	92.7 AV			1.57 V	147	83.1	9.6
4	#5961.20	62.8 PK	68.2	-5.4	1.57 V	147	53.6	9.2
5	11550.00	53.7 PK	74.0	-20.3	1.14 V	108	33.9	19.8
6	11550.00	40.8 AV	54.0	-13.2	1.14 V	108	21.0	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 (HE160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	65.6 PK	74.0	-8.4	1.76 H	206	57.4	8.2
2	5150.00	51.7 AV	54.0	-2.3	1.76 H	206	43.5	8.2
3	*5250.00	102.4 PK			1.76 H	206	93.4	9.0
4	*5250.00	89.7 AV			1.76 H	206	80.7	9.0
5	5350.00	65.5 PK	74.0	-8.5	1.76 H	206	56.0	9.5
6	5350.00	51.5 AV	54.0	-2.5	1.76 H	206	42.0	9.5
7	#10500.00	53.1 PK	68.2	-15.1	1.41 H	18	35.7	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.0 PK	74.0	-8.0	1.62 V	117	57.8	8.2
2	5150.00	52.1 AV	54.0	-1.9	1.62 V	117	43.9	8.2
3	*5250.00	103.1 PK			1.62 V	117	94.1	9.0
4	*5250.00	90.4 AV			1.62 V	117	81.4	9.0
5	5350.00	66.0 PK	74.0	-8.0	1.62 V	117	56.5	9.5
6	5350.00	52.0 AV	54.0	-2.0	1.62 V	117	42.5	9.5
7	#10500.00	53.8 PK	68.2	-14.4	1.19 V	78	36.4	17.4

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	64.0 PK	74.0	-10.0	1.97 H	196	53.9	10.1
2	5460.00	51.3 AV	54.0	-2.7	1.97 H	196	41.2	10.1
3	#5470.00	64.4 PK	68.2	-3.8	1.97 H	196	54.2	10.2
4	*5570.00	101.4 PK			1.97 H	196	91.2	10.2
5	*5570.00	88.7 AV			1.97 H	196	78.5	10.2
6	#5725.00	64.1 PK	68.2	-4.1	1.97 H	196	54.6	9.5
7	11140.00	52.1 PK	74.0	-21.9	1.62 H	8	32.5	19.6
8	11140.00	39.2 AV	54.0	-14.8	1.62 H	8	19.6	19.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.4 PK	74.0	-9.6	1.83 V	107	54.3	10.1
2	5460.00	51.7 AV	54.0	-2.3	1.83 V	107	41.6	10.1
3	#5470.00	64.8 PK	68.2	-3.4	1.83 V	107	54.6	10.2
4	*5570.00	102.1 PK			1.83 V	107	91.9	10.2
5	*5570.00	89.3 AV			1.83 V	107	79.1	10.2
6	#5725.00	64.5 PK	68.2	-3.7	1.83 V	107	55.0	9.5
7	11140.00	52.8 PK	74.0	-21.2	1.40 V	68	33.2	19.6
8	11140.00	39.9 AV	54.0	-14.1	1.40 V	68	20.3	19.6

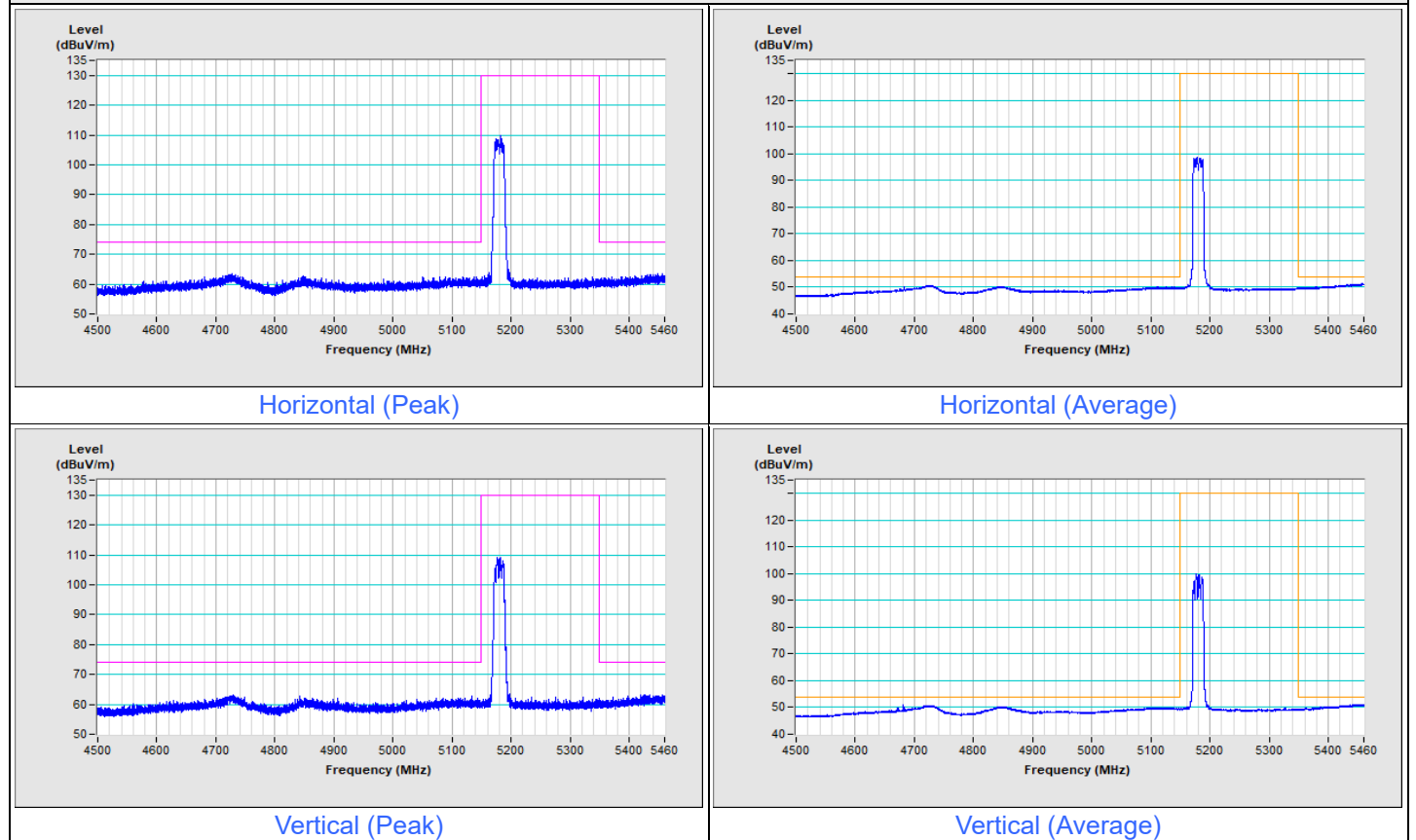
Remarks:

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.

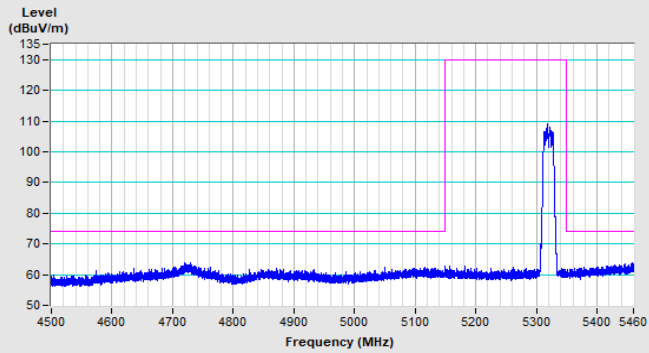
Plot of Band Edge

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=10 Hz, DET=Peak
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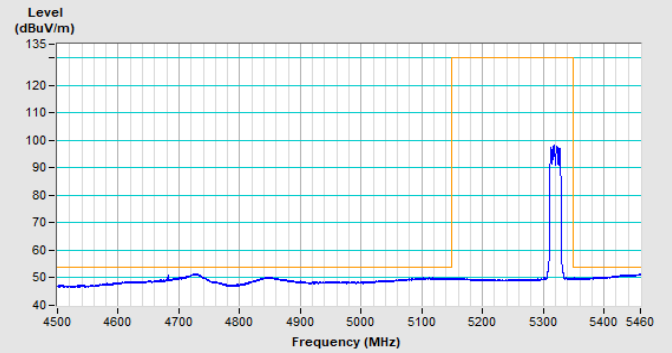
802.11a Channel 36



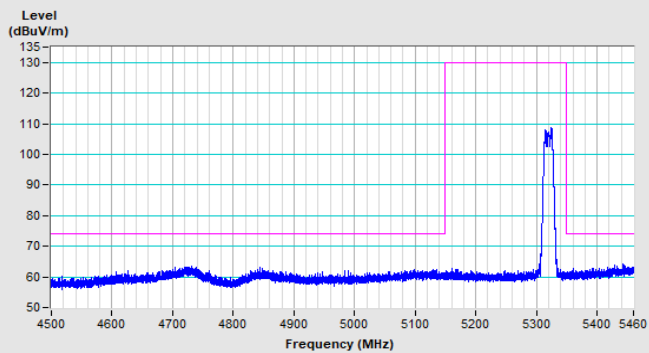
802.11a Channel 64



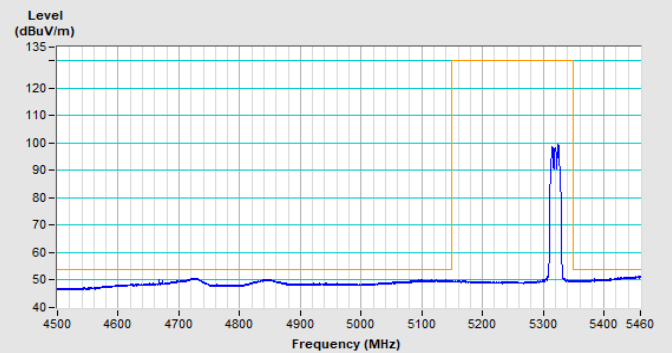
Horizontal (Peak)



Horizontal (Average)



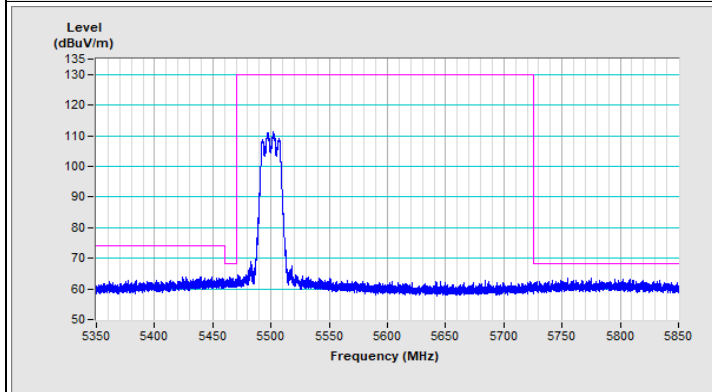
Vertical (Peak)



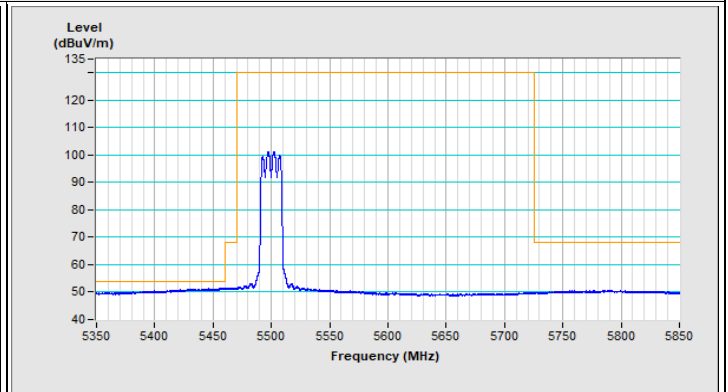
Vertical (Average)

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=10 Hz, DET=Peak
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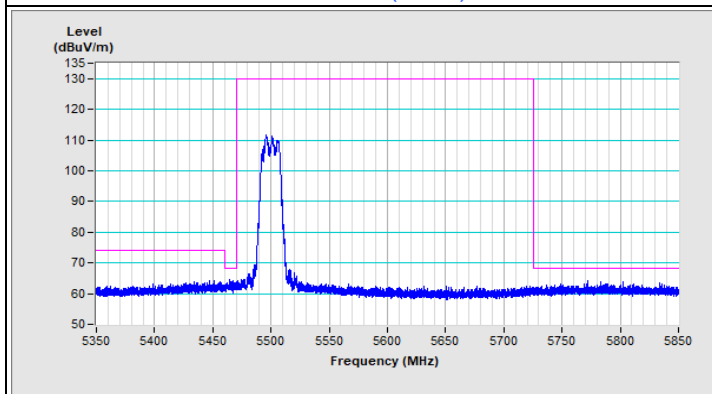
802.11a Channel 100



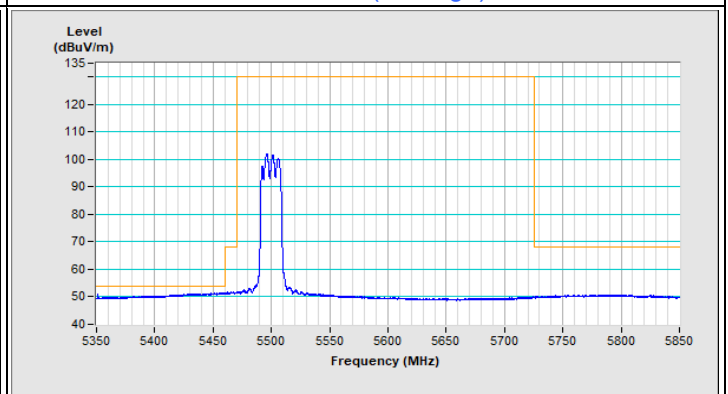
Horizontal (Peak)



Horizontal (Average)

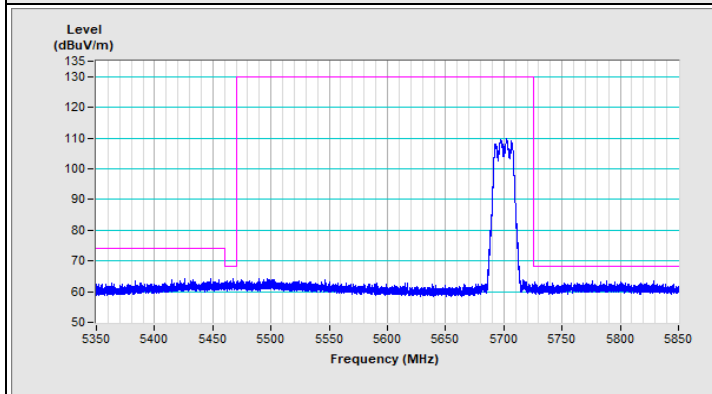


Vertical (Peak)

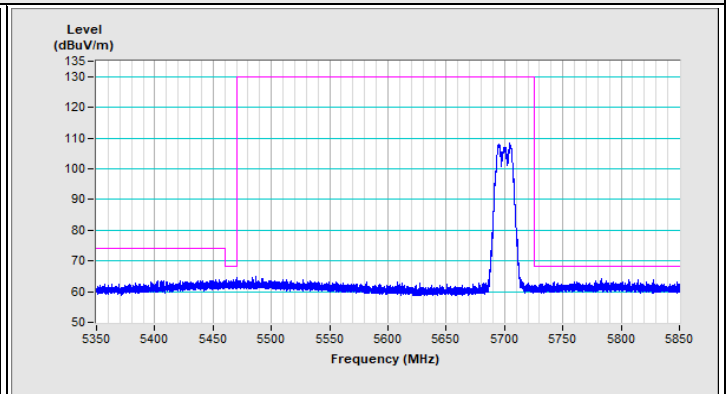


Vertical (Average)

802.11a Channel 140



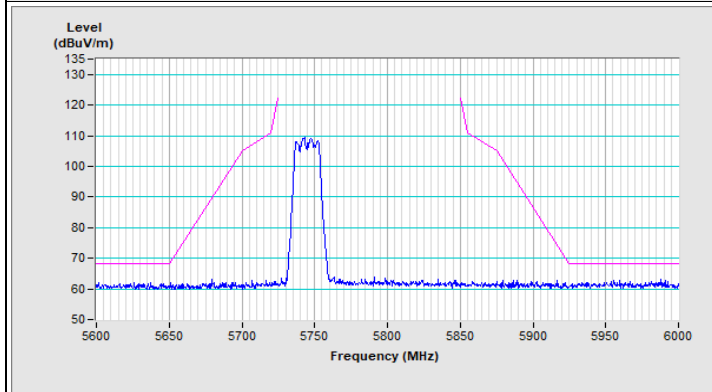
Horizontal (Peak)



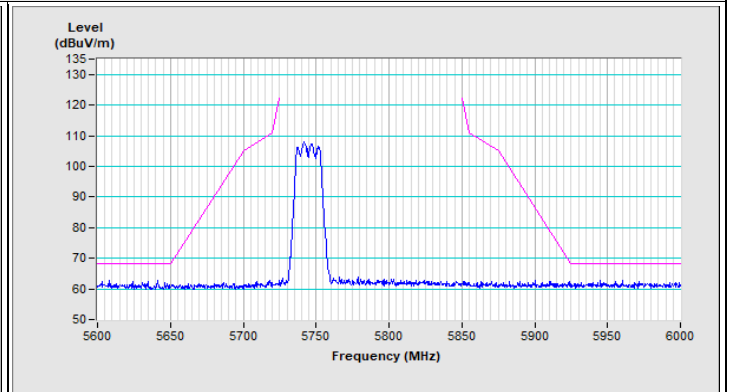
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 149

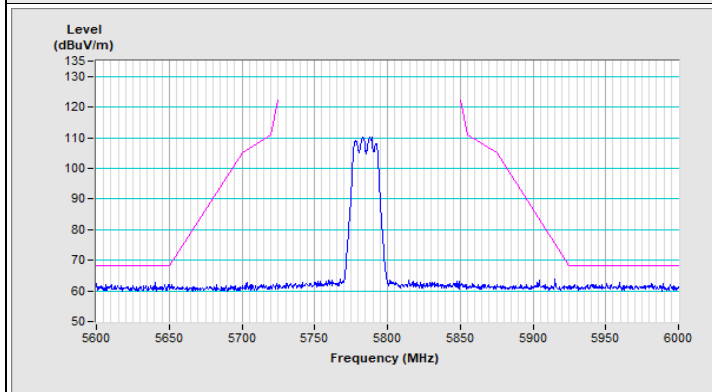


Horizontal (Peak)

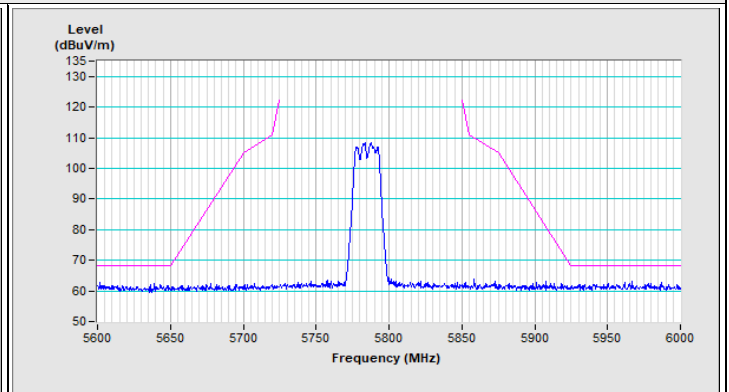


Vertical (Peak)

802.11a Channel 157

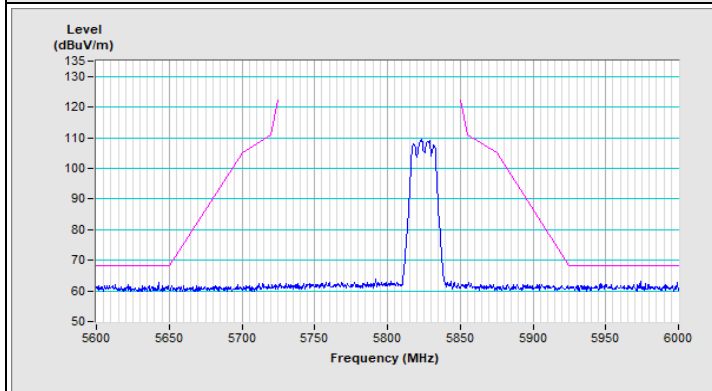


Horizontal (Peak)

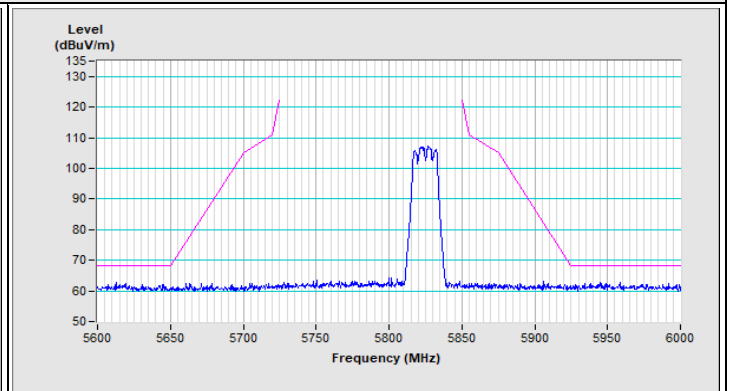


Vertical (Peak)

802.11a Channel 165

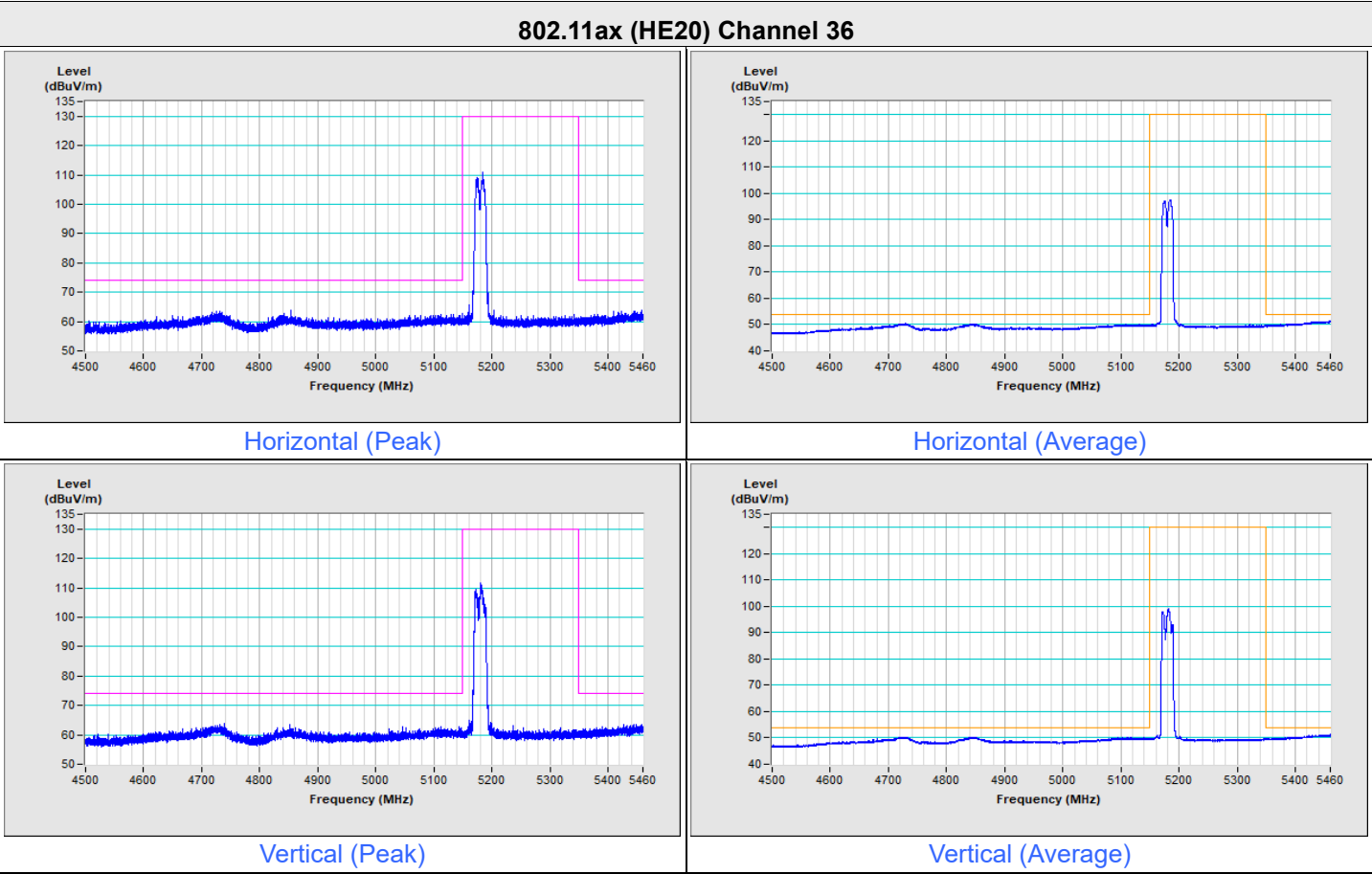


Horizontal (Peak)

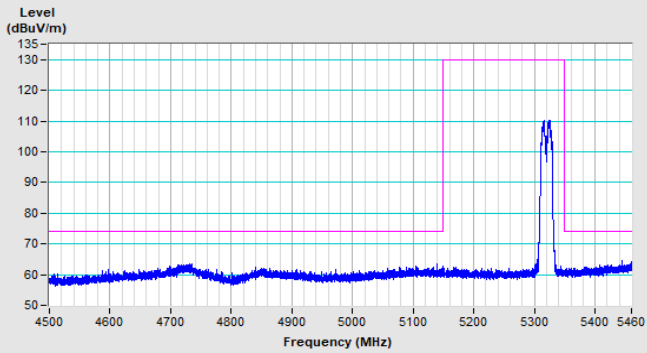


Vertical (Peak)

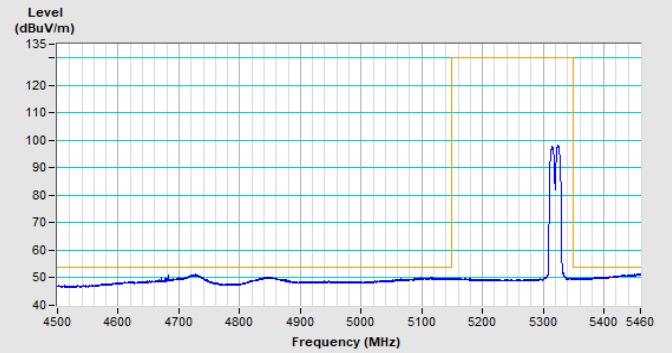
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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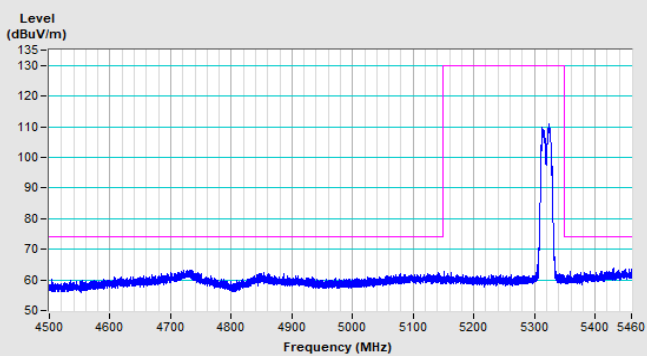
802.11ax (HE20) Channel 64



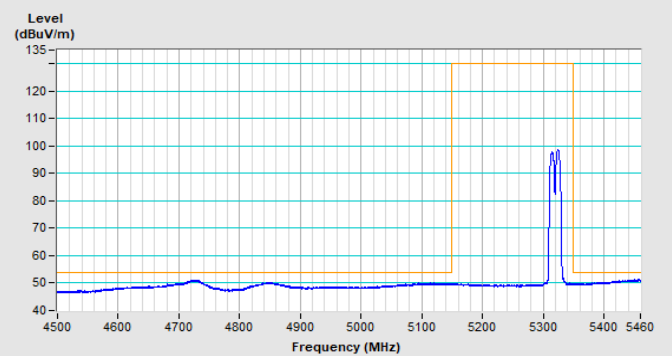
Horizontal (Peak)



Horizontal (Average)



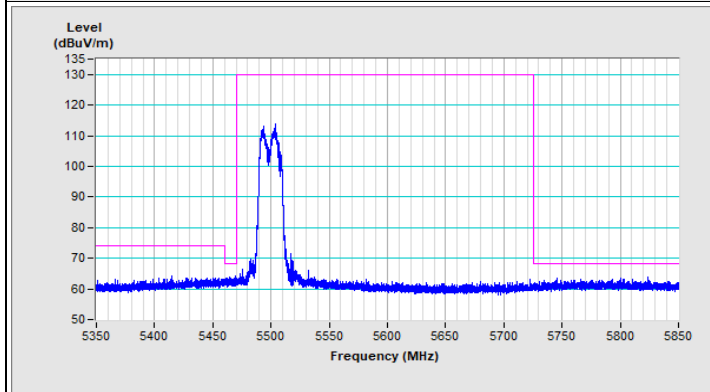
Vertical (Peak)



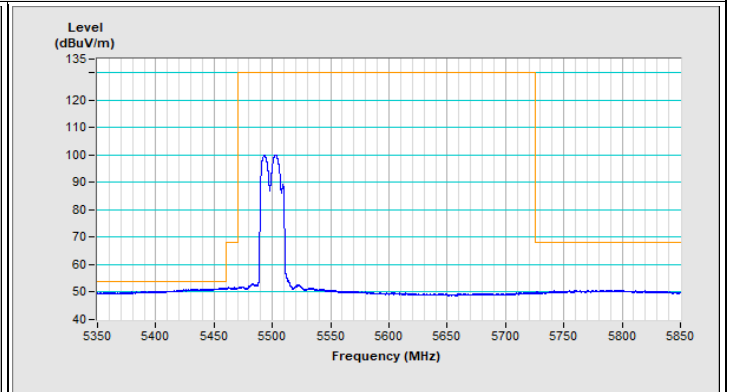
Vertical (Average)

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=10 Hz, DET=Peak
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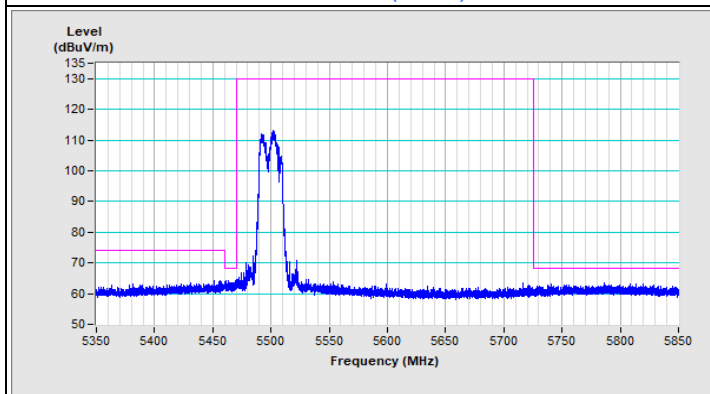
802.11ax (HE20) Channel 100



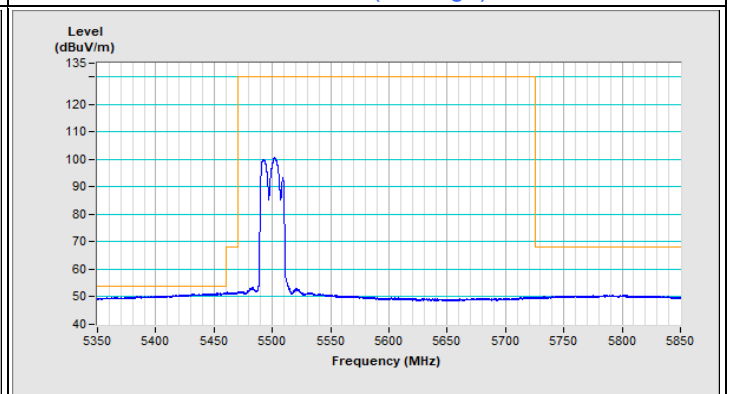
Horizontal (Peak)



Horizontal (Average)

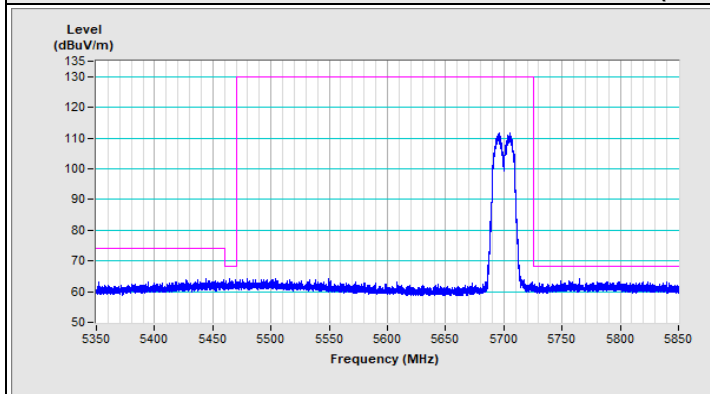


Vertical (Peak)

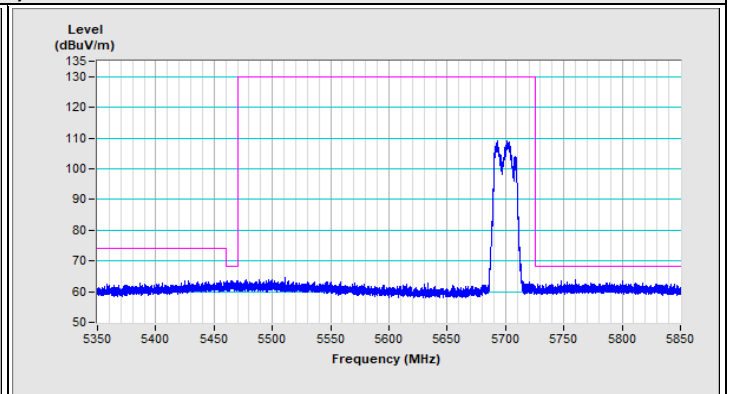


Vertical (Average)

802.11ax (HE20) Channel 140



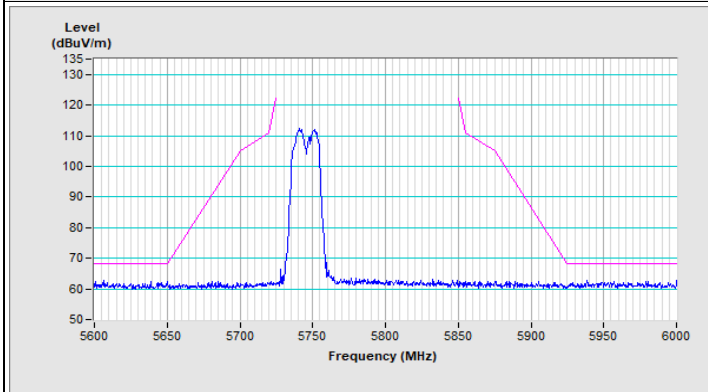
Horizontal (Peak)



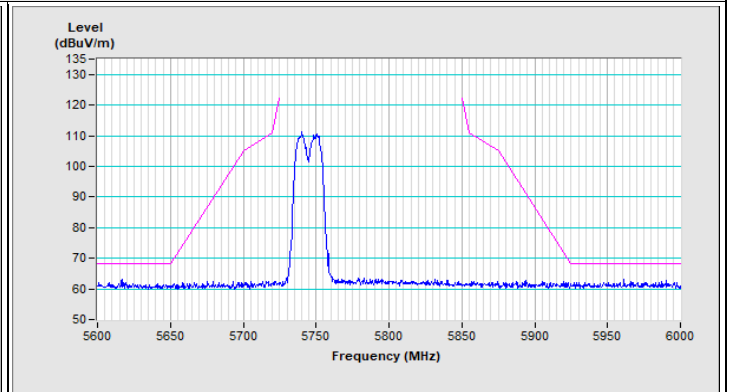
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Channel 149

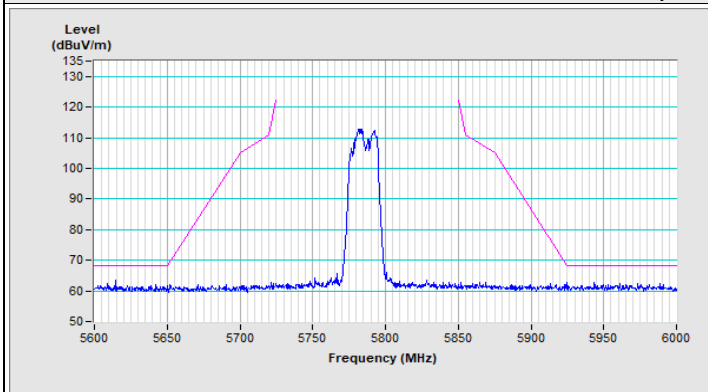


Horizontal (Peak)

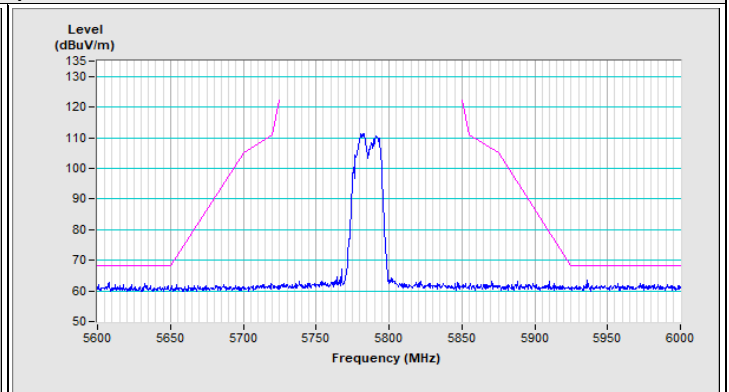


Vertical (Peak)

802.11ax (HE20) Channel 157

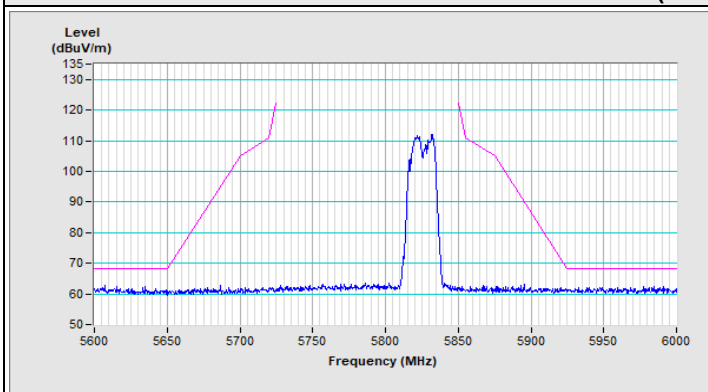


Horizontal (Peak)

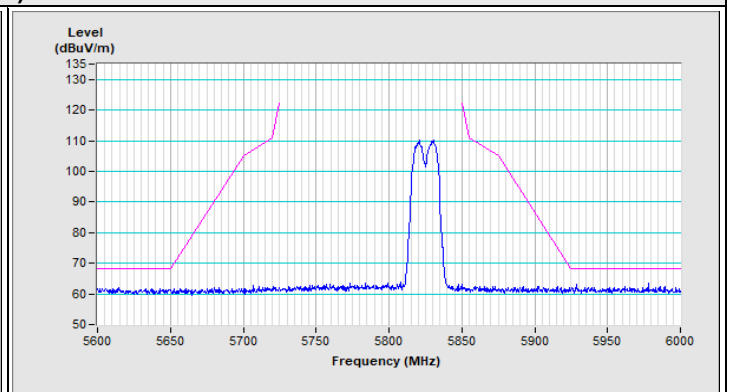


Vertical (Peak)

802.11ax (HE20) Channel 165



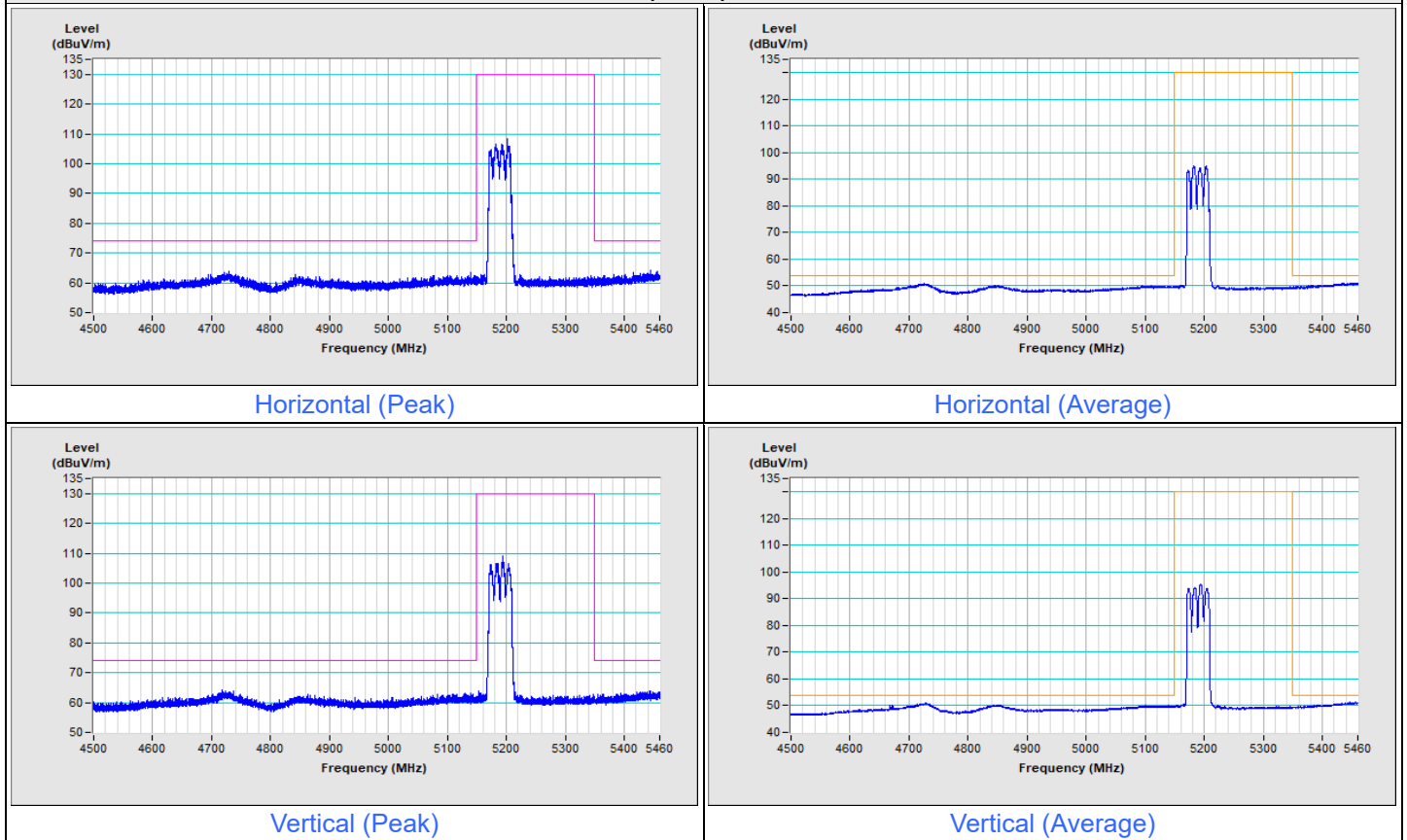
Horizontal (Peak)



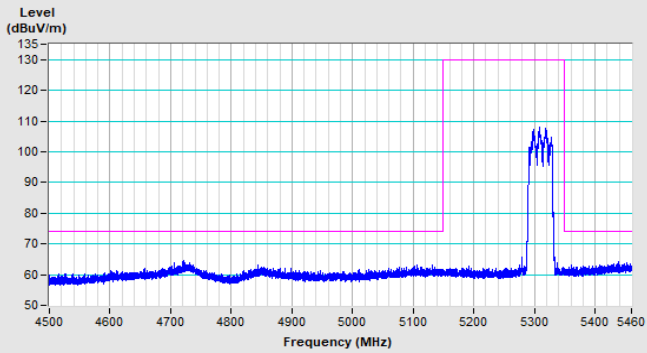
Vertical (Peak)

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=10 Hz, DET=Peak
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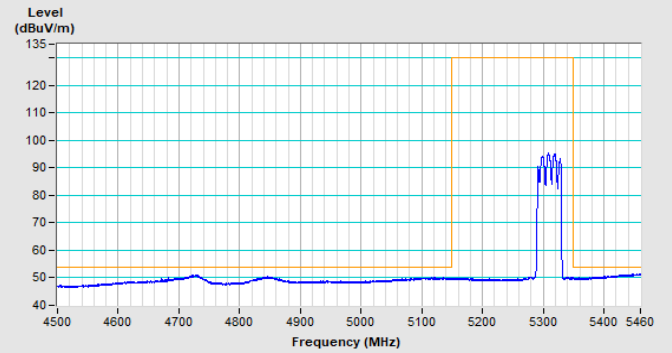
802.11ax (HE40) Channel 38



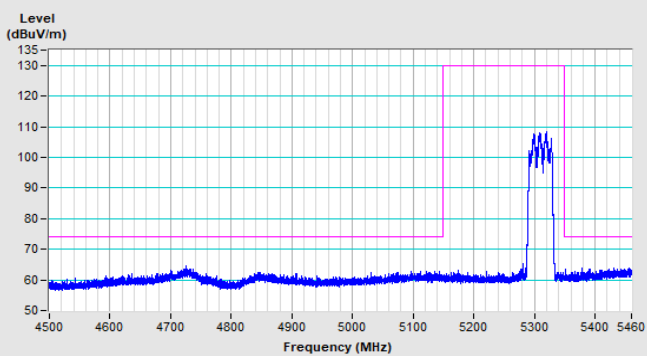
802.11ax (HE40) Channel 62



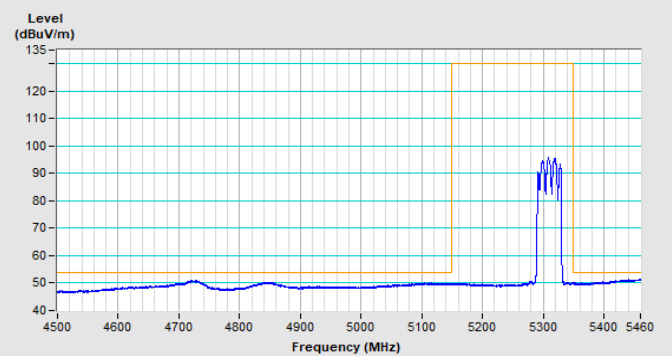
Horizontal (Peak)



Horizontal (Average)



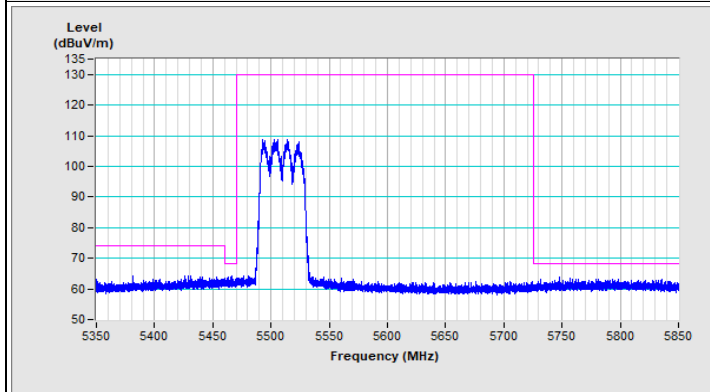
Vertical (Peak)



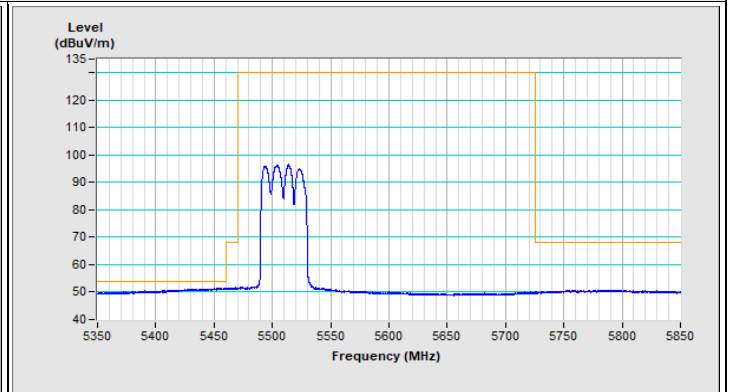
Vertical (Average)

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=10 Hz, DET=Peak
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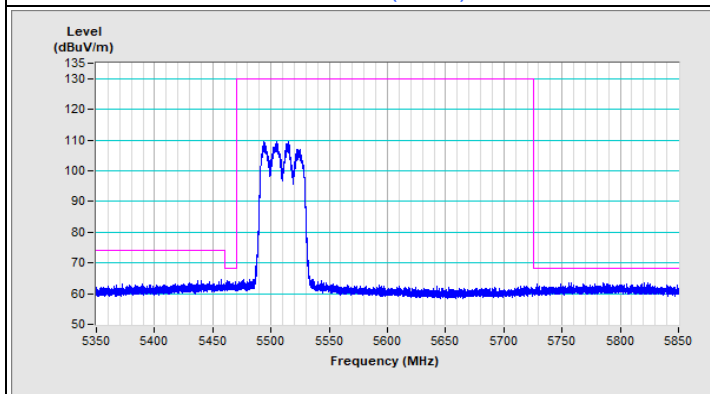
802.11ax (HE40) Channel 102



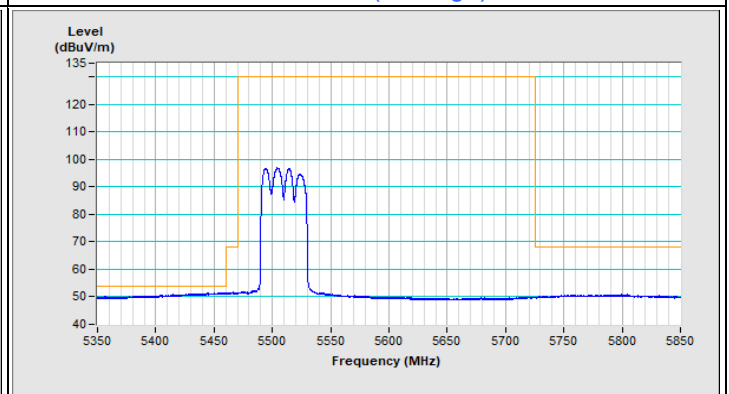
Horizontal (Peak)



Horizontal (Average)

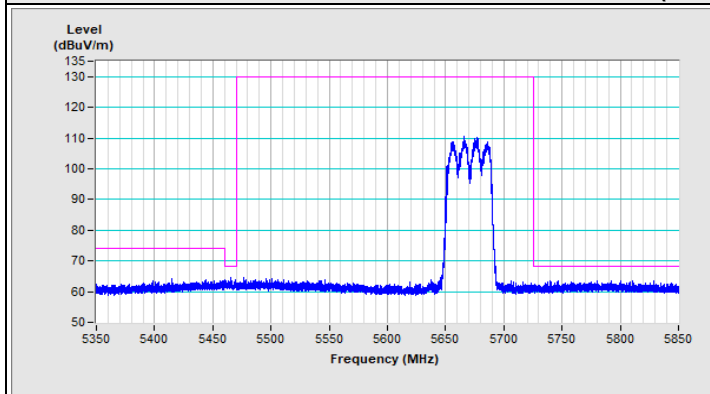


Vertical (Peak)

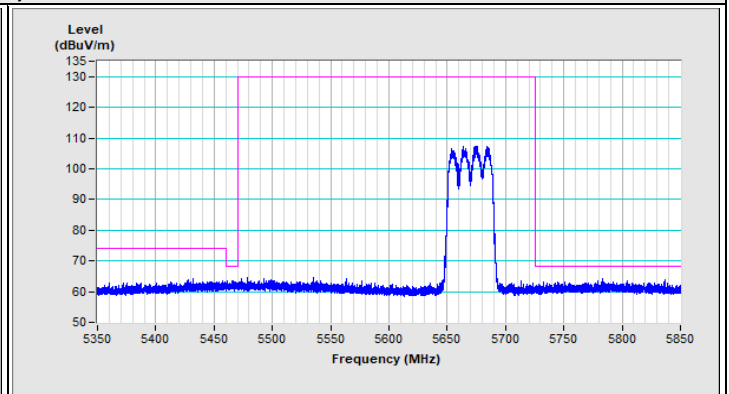


Vertical (Average)

802.11ax (HE40) Channel 134



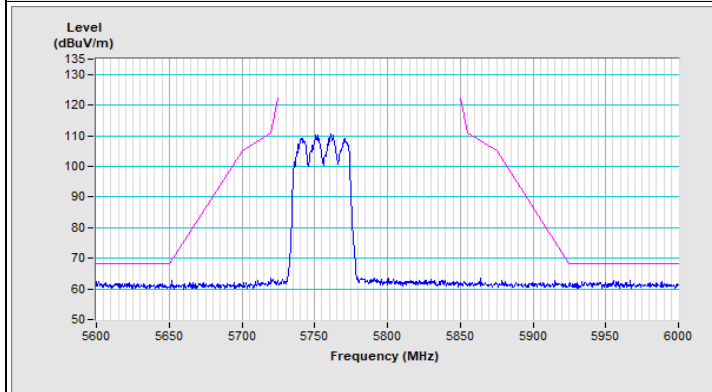
Horizontal (Peak)



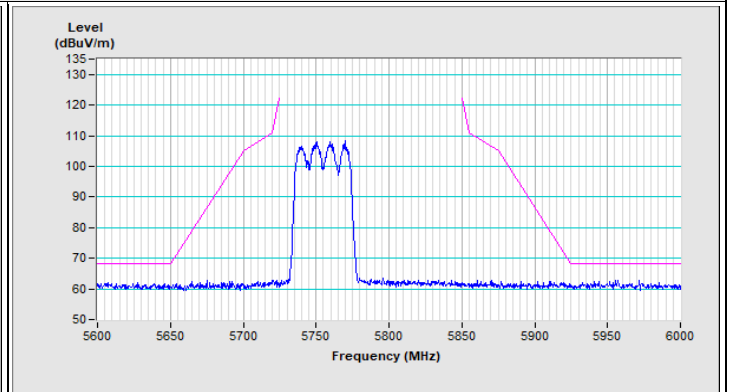
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

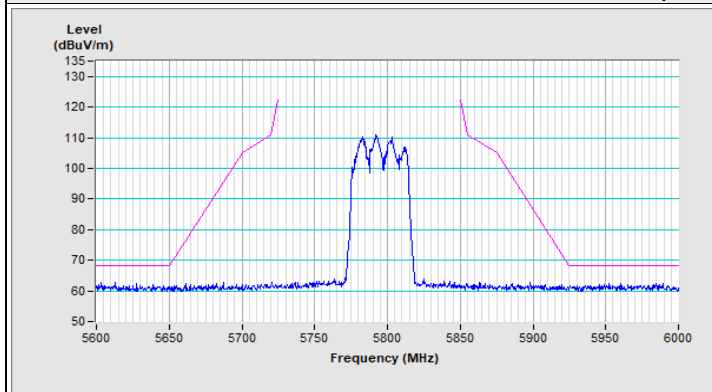


Horizontal (Peak)

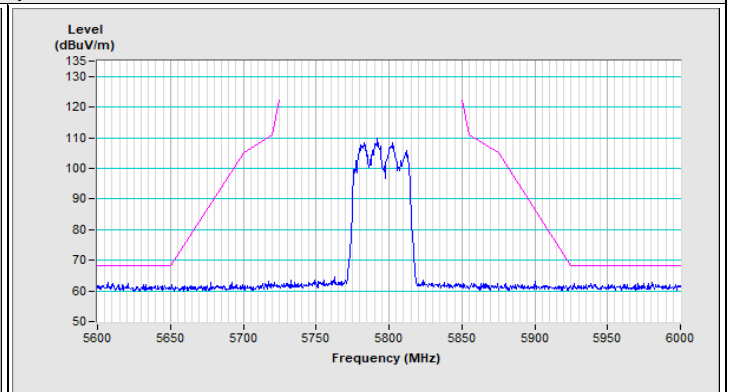


Vertical (Peak)

802.11ax (HE40) Channel 159



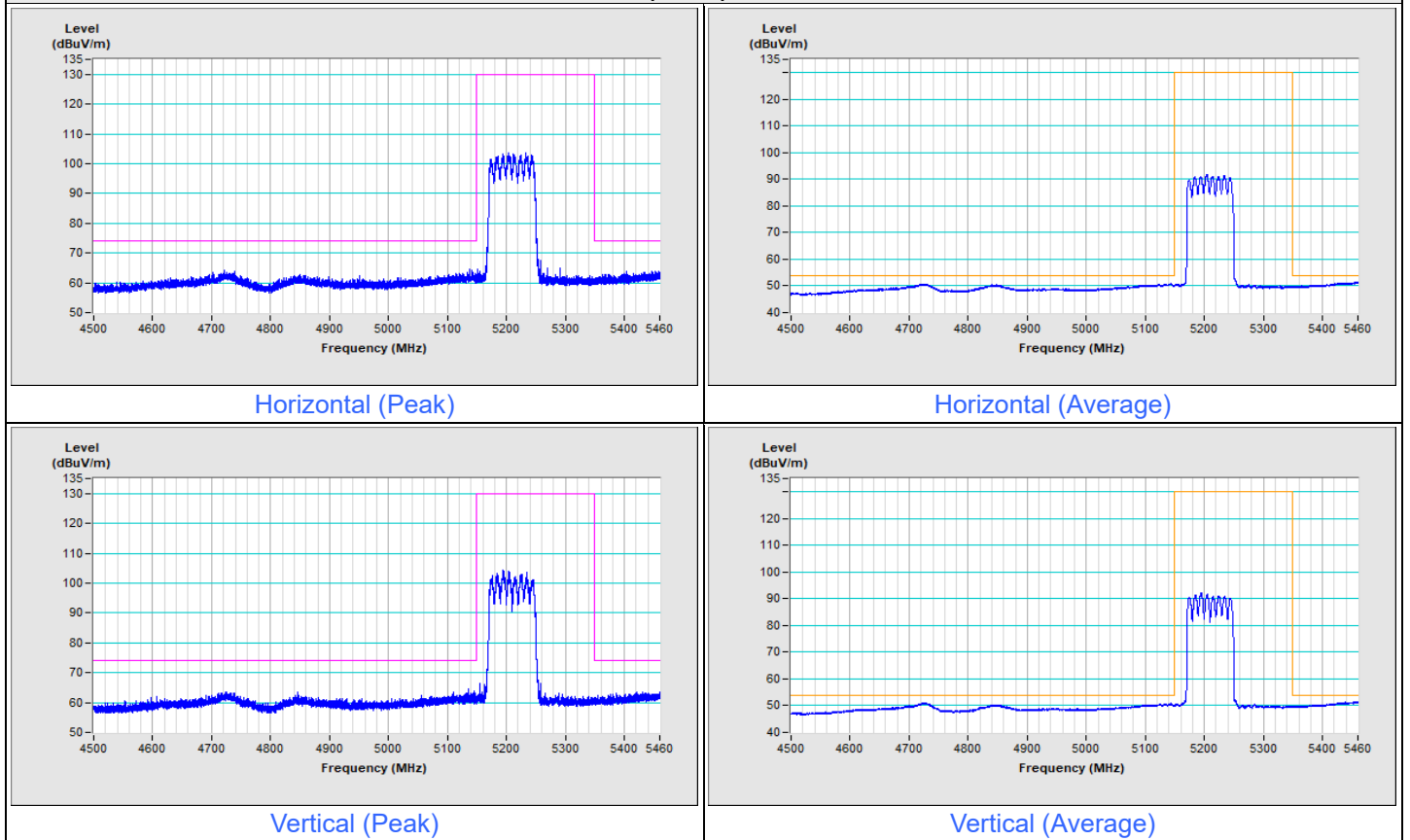
Horizontal (Peak)



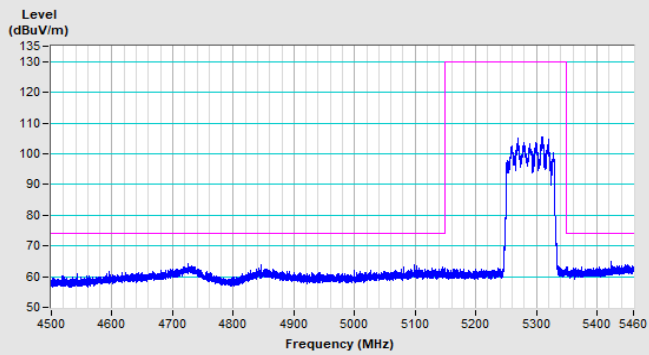
Vertical (Peak)

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=10 Hz, DET=Peak
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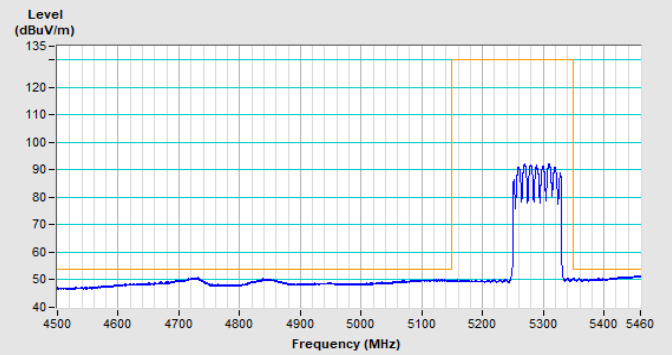
802.11ax (HE80) Channel 42



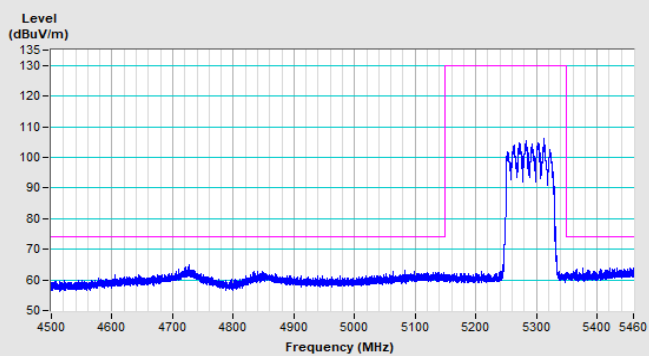
802.11ax (HE80) Channel 58



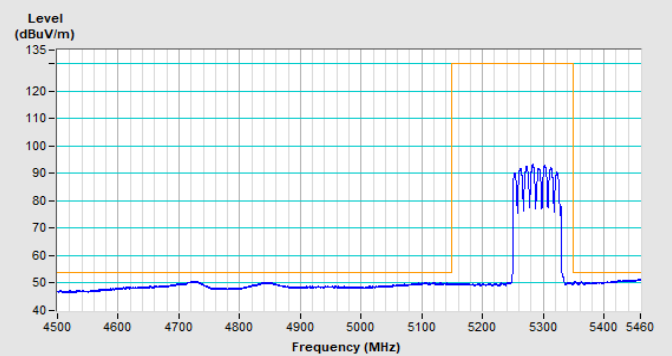
Horizontal (Peak)



Horizontal (Average)



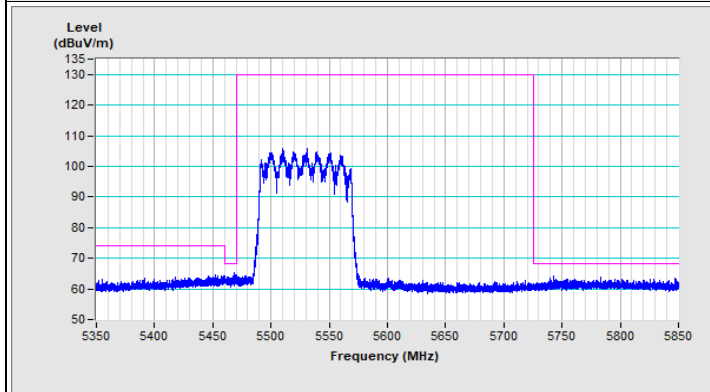
Vertical (Peak)



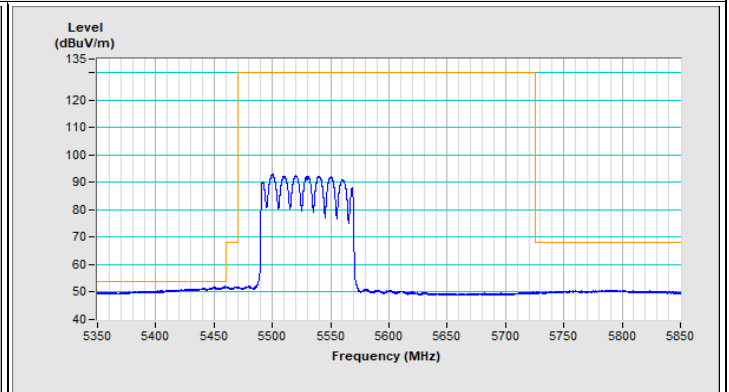
Vertical (Average)

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=10 Hz, DET=Peak
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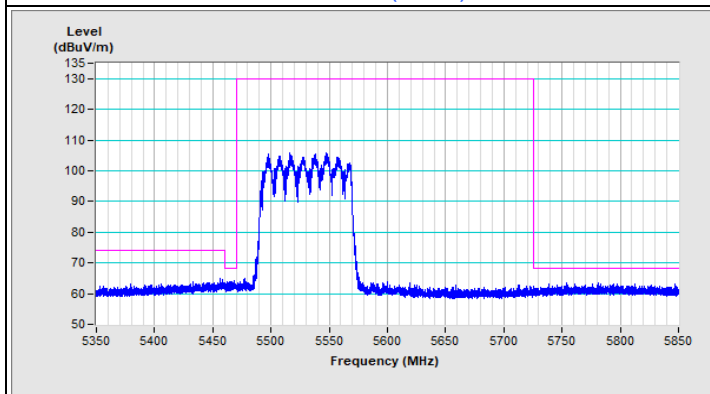
802.11ax (HE80) Channel 106



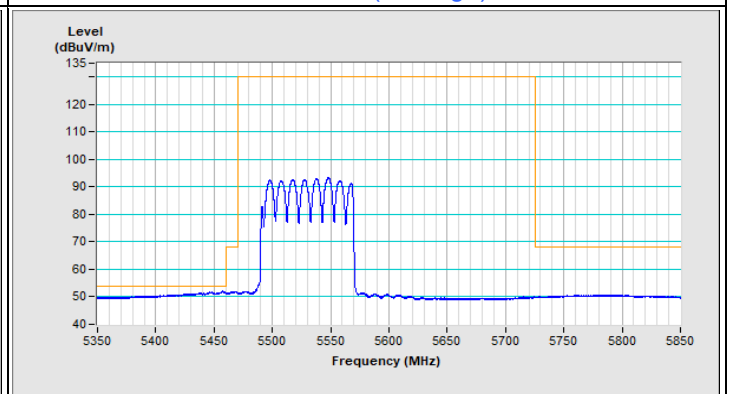
Horizontal (Peak)



Horizontal (Average)

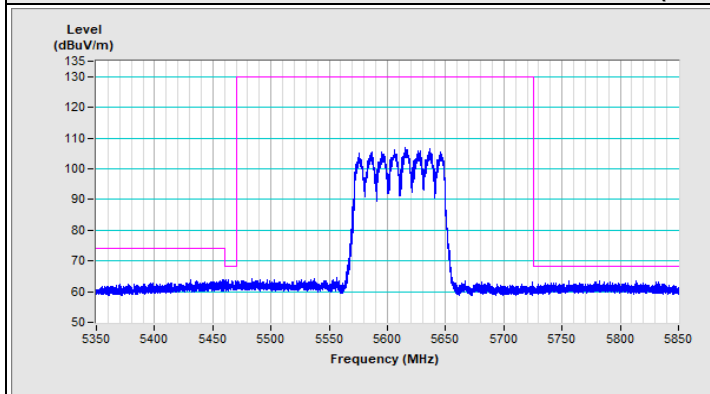


Vertical (Peak)

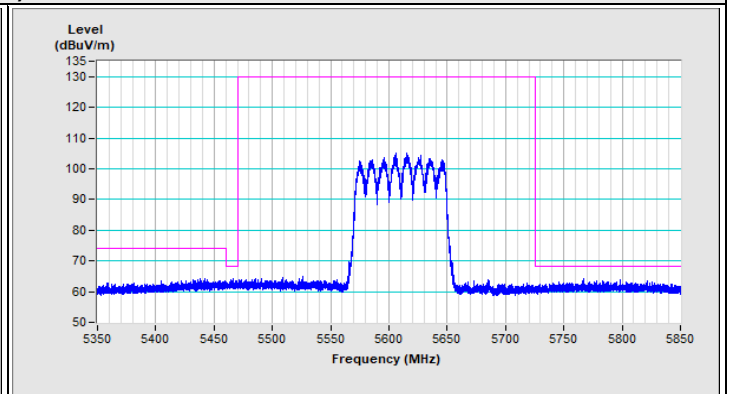


Vertical (Average)

802.11ax (HE80) Channel 122

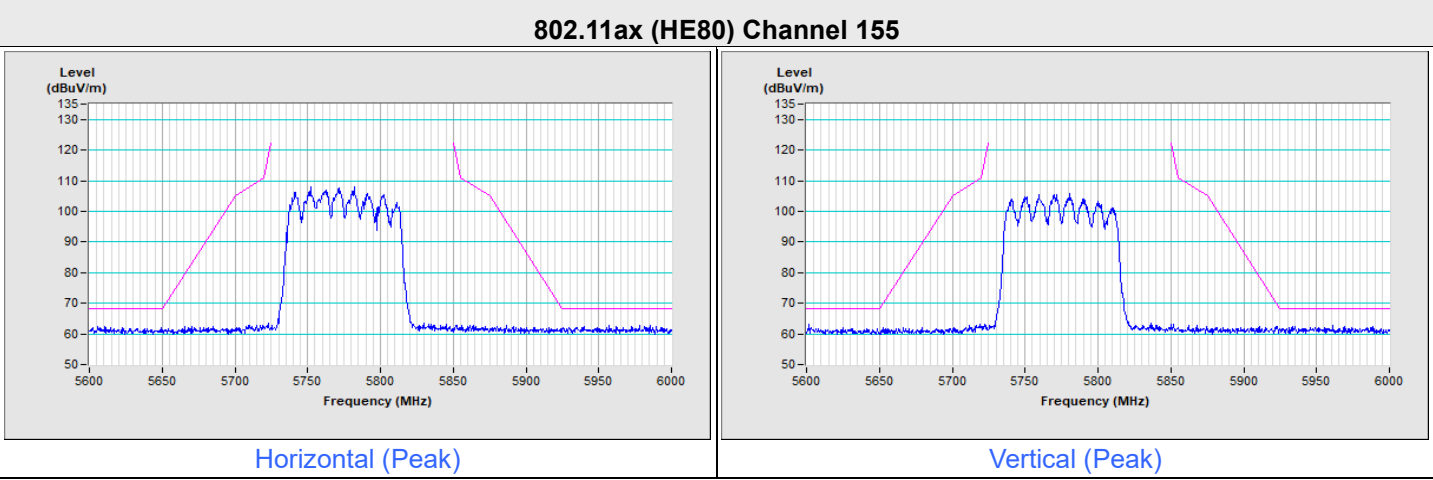


Horizontal (Peak)

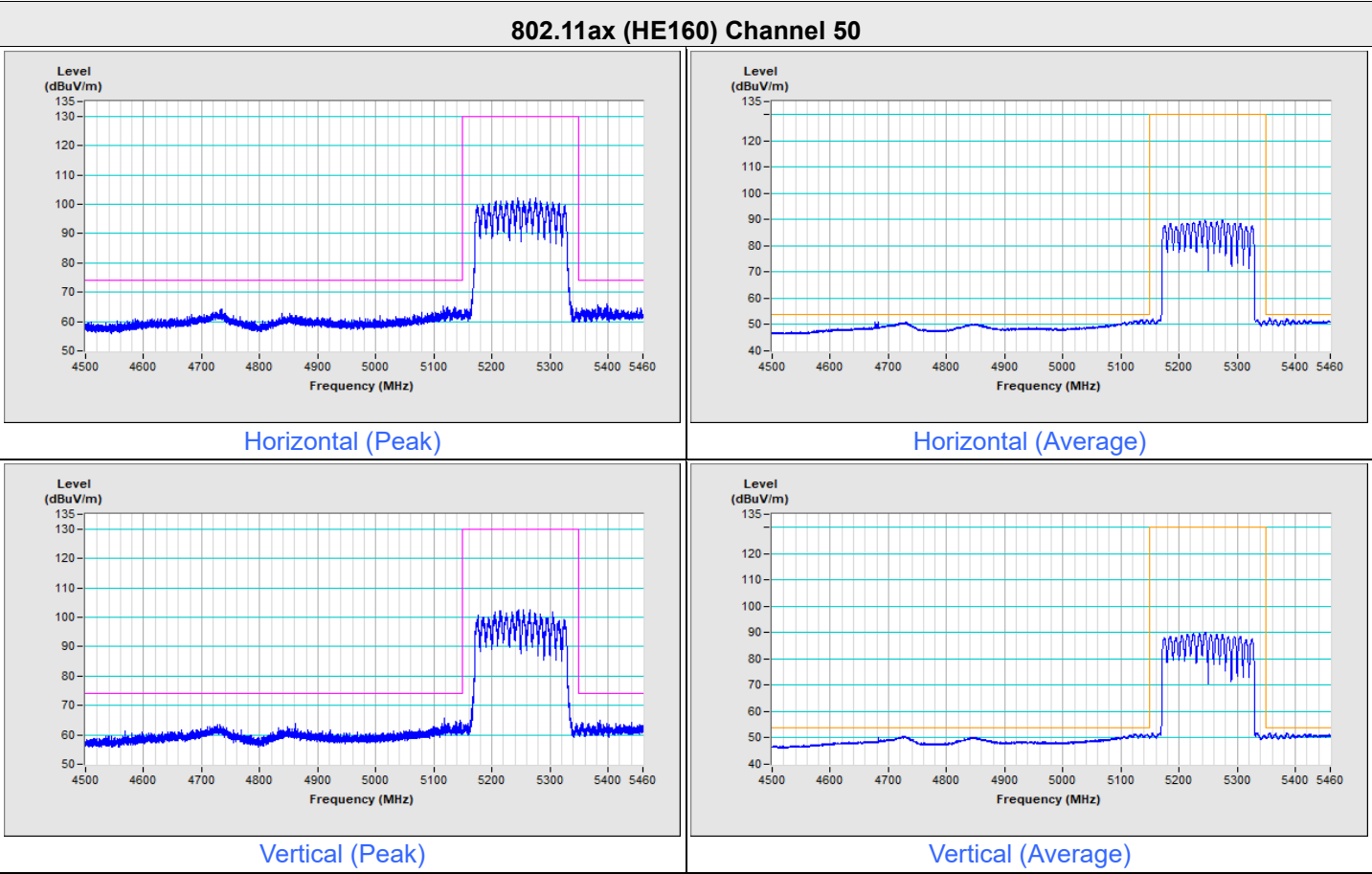


Vertical (Peak)

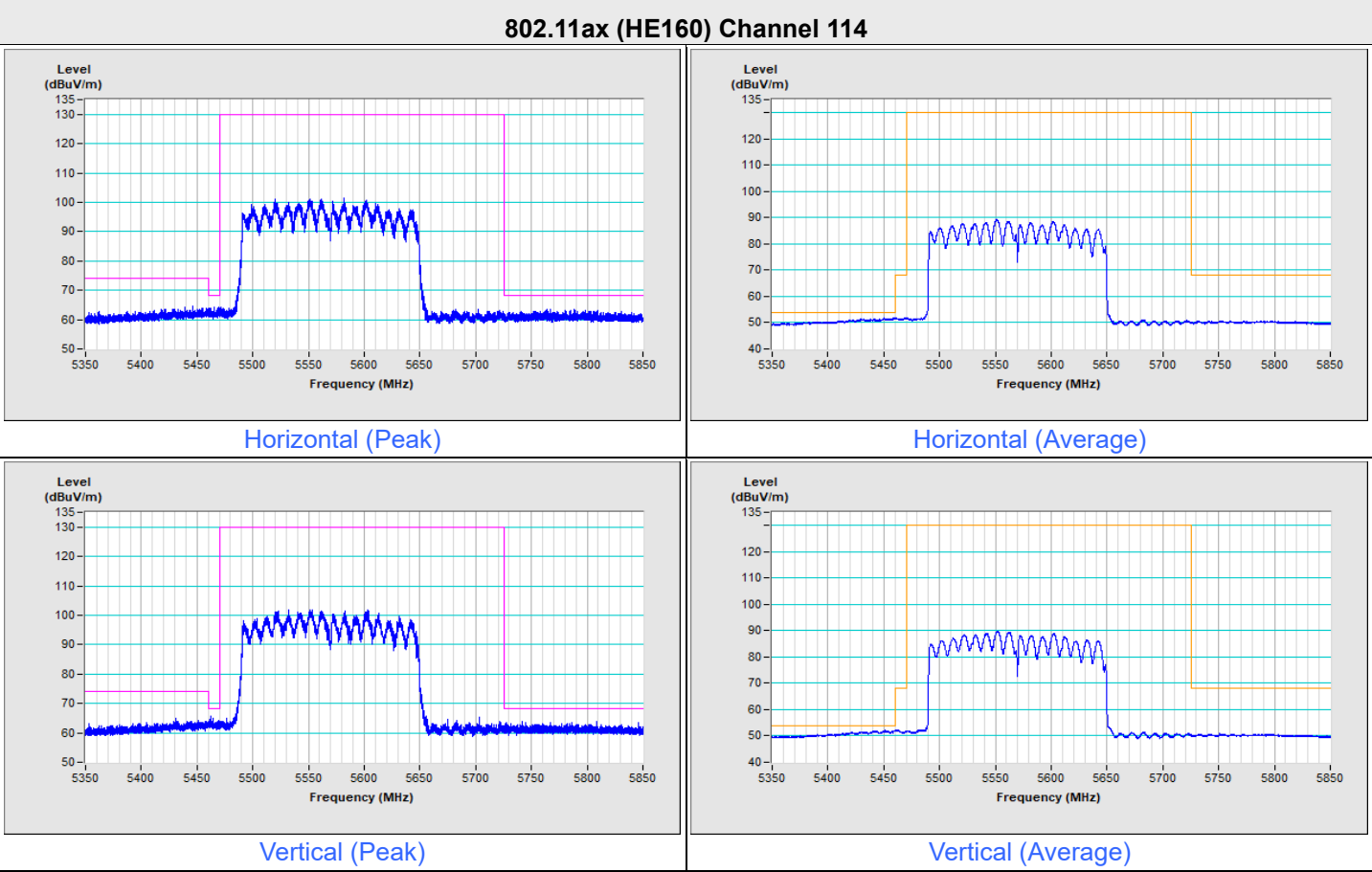
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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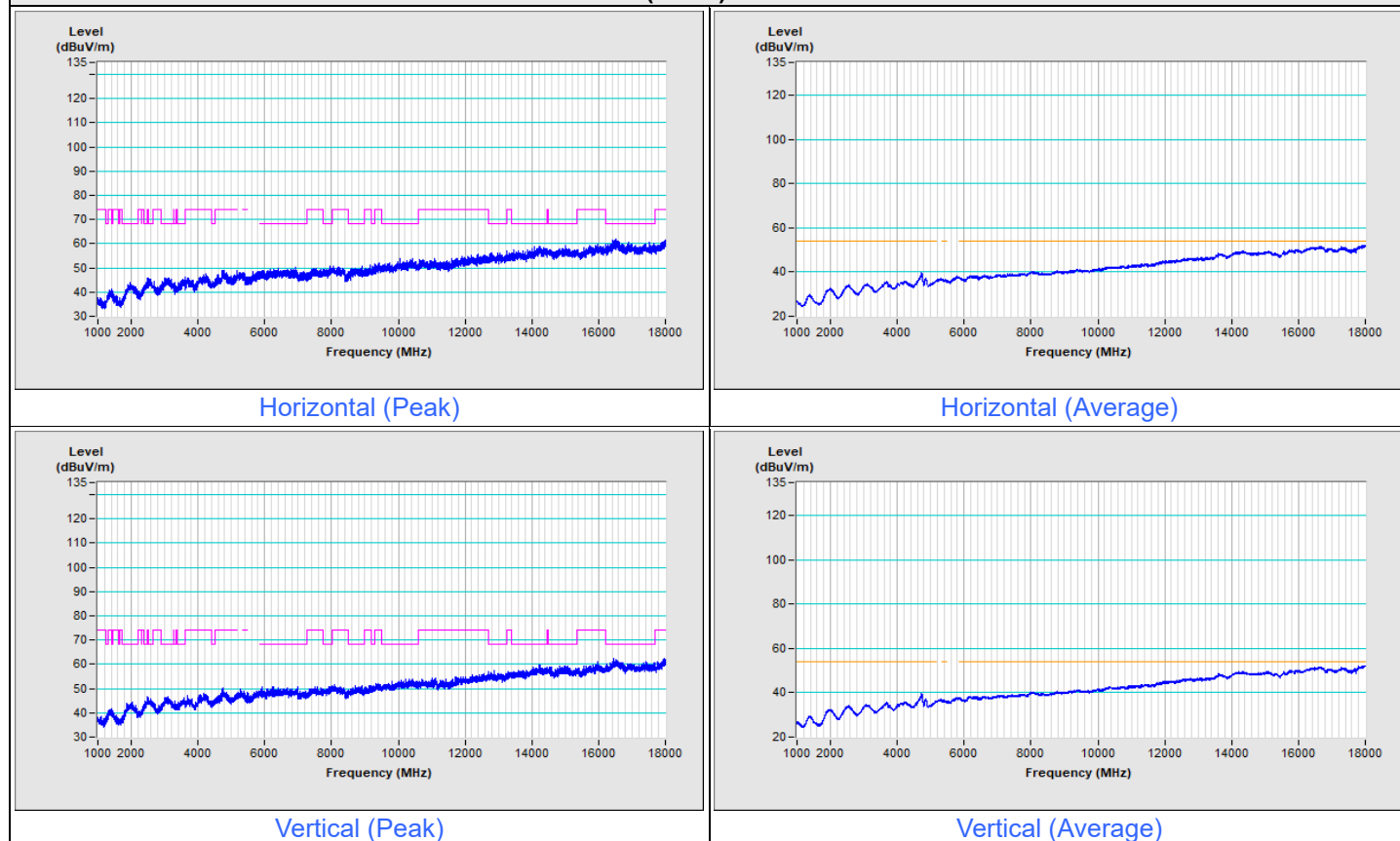
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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Plot of Other Emission

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Channel 106



Notes:

- 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.
- 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:

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

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

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