

# TEST REPORT

## CERTIFICATE OF CONFORMITY

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

**Report No.:** RFBEDV-WTW-P23080241-5

**FCC ID:** BEJNT-16T90SP

**Product:** Notebook Computer

**Brand:** LG or  LG

**Model No.:** 16T90SP

**Series Model:** 16T90SP\*\* ,16TD90SP\*\*,16TG90SP\*\*,16TB90SP\*\*

Remark "\*" can be 0 to 9 or A to Z or dash or blank

(Refer to item 3.1 for the more details)

**Received Date:** 2023/8/10

**Test Date:** 2023/10/2 ~ 2023/10/26

**Issued Date:** 2023/11/27

**Applicant:** LG Electronics USA, Inc.

**Address:** 111 Sylvan Avenue North Bulding Englewood Cliffs New Jersey United States

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

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**FCC Registration /** (1) 788550 / TW0003

**Designation Number:** (2) 281270 / TW0032

**Approved by:** \_\_\_\_\_

*Jeremy Lin*

**Date:** \_\_\_\_\_

2023/11/27

Jeremy Lin / Project Engineer

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Prepared by : Vera Huang / Specialist



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## Release Control Record

Issue No.	Description	Date Issued
RFBEDV-WTW-P23080241-5	Original Release	2023/11/27

## 1 Certificate

**Product:** Notebook Computer

**Brand:** LG or  LG

**Test Model:** 16T90SP

**Series Model:** 16T90SP\*\*, 16TD90SP\*\*, 16TG90SP\*\*, 16TB90SP\*\*  
Remark "\*" can be 0 to 9 or A to Z or dash or blank  
(Refer to item 3.1 for the more details)

**Sample Status:** DV Sample

**Applicant:** LG Electronics USA, Inc.

**Test Date:** 2023/10/2 ~ 2023/10/26

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

**Measurement** ANSI C63.10-2013

**procedure:** 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	Pass	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(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -14.35 dB at 0.15400 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -6.8 dB at 31.94 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 -0.2 dB at 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is I-PEX 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	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 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	Notebook Computer
Brand	LG or  LG
Test Model	16T90SP
Series Model	16T90SP**, 16TD90SP**, 16TG90SP**, 16TB90SP** Remark "*" can be 0 to 9 or A to Z or dash or blank
Model Difference	Refer to Note
Status of EUT	DV Sample
Power Supply Rating	15.52Vdc from battery 5.0Vdc or 9.0Vdc or 15.0Vdc or 20.0Vdc 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
Output Power	5.18 GHz ~ 5.25 GHz : 26.17 mW (14.18 dBm) 5.26 GHz ~ 5.32 GHz : 21.283 mW (13.28 dBm) 5.5 GHz ~ 5.72 GHz : 22.133 mW (13.45 dBm) 5.745 GHz ~ 5.825 GHz : 22.286 mW (13.48 dBm)
EUT Category	Client device



Note:

1. The model is listed as below.

Brand	Model Name	Remark
LG or  LG	16T90SP	Main test model
	16T90SP**	** can be 0 to 9 or A to Z or dash or blank, for marketing purposes only
	16TD90SP**	
	16TG90SP**	
	16TB90SP**	



2. The EUT contains following accessory devices.

BT/WLAN Module	Brand	Intel
	Model	AX211D2W
Battery	Brand	LG or  <b>LG</b>
	Model	LB3122MM
	Power Rating	15.52Vdc, Typical capacity: 4963mAh/77Wh, Rated Capacity: 4733mAh/73.46Wh
Active Stylus Pen	Brand	LGE
	Model	PEW7
AC Adapter	Brand	LG or  <b>LG</b>
	Model	LP65WFC20P-NJ
	Part Number	N/A
	AC Input	100-240V~, 50-60Hz, 1.6A
	DC Output	(PDO) 5.0Vdc, 3.0A, 15.0W or 9.0Vdc, 3.0A, 27.0W or 15.0Vdc, 3.0A, 45.0W or 20.0Vdc, 3.25A, 65.0W (PPS) 5.0V-20.0Vdc, 3.25A, Max 65.0W
Type C to Type C cable	Brand	Luxshare
	Model	L1LUC022-CS-H
	Specification	1.95mm

3. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.

4. 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.

NB Mode							
Antenna Type		PIFA					
Connector Type		I-PEX					
Manufacturer	Parts Number	Antenna Gain (dBi)					
		BT	2400-2483.5MHz	5150-5250MHz	5250-5350MHz	5470-5725MHz	5725-5850MHz
AWAN	WLAN Main Antenna: AYF6Y-200008 (1415-0ADV000)	Aux.: 3.02	Main: 2.87 Aux.: 3.02	Main: 2.19 Aux.: 1.40	Main: 1.92 Aux.: 1.96	Main: 2.07 Aux.: 2.79	Main: 2.40 Aux.: 2.79
	WLAN Aux Antenna: AYF6Y-200008 (1415-0ADV000)						
INPAQ	WLAN Main Antenna: 1415-0ADT000 (WA-F-LELE-04-003)	Aux.: 2.91	Main: 2.84 Aux.: 2.91	Main: 2.13 Aux.: 1.33	Main: 1.83 Aux.: 1.93	Main: 1.99 Aux.: 2.54	Main: 2.12 Aux.: 2.49
	WLAN Aux Antenna: 1415-0ADT000 (WA-F-LELE-04-003)						

TB Mode							
Antenna Type		PIFA					
Connector Type		I-PEX					
Manufacturer	Parts Number	Antenna Gain (dBi)					
		BT	2400-2483.5MHz	5150-5250MHz	5250-5350MHz	5470-5725MHz	5725-5850MHz
AWAN	WLAN Main Antenna: AYF6Y-200008 (1415-0ADV000)	Aux.: -1.69	Main: -1.81 Aux.: -1.69	Main: 1.99 Aux.: 0.13	Main: 2.51 Aux.: -0.13	Main: 3.04 Aux.: 1.32	Main: 3.04 Aux.: 1.32
	WLAN Aux Antenna: AYF6Y-200008 (1415-0ADV000)						
INPAQ	WLAN Main Antenna: 1415-0ADT000 (WA-F-LELE-04-003)	Aux.: -1.75	Main: -1.89 Aux.: -1.75	Main: 1.85 Aux.: 0.11	Main: 2.39 Aux.: -0.19	Main: 2.86 Aux.: 1.25	Main: 2.65 Aux.: 1.27
	WLAN Aux Antenna: 1415-0ADT000 (WA-F-LELE-04-003)						

\*The maximum gain were for the final tests. Chain 0 = Aux. antenna, Chain 1 = Main antenna.

\* 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	1TX Diversity	1RX
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
802.11ax (RU26/52/106/242/484/996/2x996)	2TX	2RX

Note:

1. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) therefore the manufacturer will control the power for 802.11n/ac mode is same as the 802.11ax mode or more lower than it and investigated worst case to representative mode in test report.

2. Partial RU (resource unit) function does not support channel puncturing/bandwidth reduction mechanisms.

### 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 straddle 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:	EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis for tablet mode and Laptop mode. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	Laptop mode

Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a (Chain 0 / Chain 1)	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ax (HE20) 26-tone RU	52, 60, 64, 100, 116, 140	BPSK	HE0
	802.11ax (HE20) 52-tone RU	52, 60, 64, 100, 116, 140	BPSK	HE0
	802.11ax (HE20) 106-tone RU	52, 60, 64, 100, 116, 140	BPSK	HE0
	802.11ax (HE20) Full RU	52, 60, 64, 100, 116, 140, 144	BPSK	HE0
	802.11ax (HE40) 242-tone RU	54, 62, 102, 110, 134	BPSK	HE0
	802.11ax (HE40) Full RU	54, 62, 102, 110, 134, 142	BPSK	HE0
	802.11ax (HE80) 484-tone RU	58, 106, 122	BPSK	HE0
	802.11ax (HE80) Full RU	58, 106, 122, 138	BPSK	HE0
	802.11ax (HE160) 996-tone RU	50, 114	BPSK	HE0
	802.11ax (HE160) 996-tone RU RU996S	50, 114	BPSK	HE0
	802.11ax (HE160) Full RU	50, 114	BPSK	HE0
RF Output Power / Power Spectral Density	802.11a (Chain 0 / Chain 1)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20) 26-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	HE0
	802.11ax (HE20) 52-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	HE0
	802.11ax (HE20) 106-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	HE0
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	HE0
	802.11ax (HE40) 242-tone RU	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	HE0
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	HE0
	802.11ax (HE80) 484-tone RU	42, 58, 106, 122, 155	BPSK	HE0
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	HE0
	802.11ax (HE160) 996-tone RU	50, 114	BPSK	HE0
	802.11ax (HE160) 996-tone RU RU996S	50, 114	BPSK	HE0
	802.11ax (HE160) Full RU	50, 114	BPSK	HE0



Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	802.11a (Chain 0 / Chain 1)	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20) Full RU	144, 149, 157, 165	BPSK	HE0
	802.11ax (HE40) Full RU	142, 151, 159	BPSK	HE0
	802.11ax (HE80) Full RU	138, 155	BPSK	HE0
Occupied Bandwidth	802.11a (Chain 0 / Chain 1)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	HE0
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	HE0
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	HE0
	802.11ax (HE160) Full RU	50, 114	BPSK	HE0
Frequency Stability	802.11a	36	unmodulated	-
AC Power Conducted Emissions	802.11ax (HE160) 996-tone RU RU996S	50	BPSK	HE0
Unwanted Emissions below 1 GHz	802.11ax (HE160) 996-tone RU RU996S	50	BPSK	HE0
Unwanted Emissions above 1 GHz	802.11a (Chain 0 / Chain 1)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	HE0
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	HE0
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	HE0
	802.11ax (HE160) Full RU	50, 114	BPSK	HE0
	802.11ax (HE20) 26-tone RU	36, 64, 100, 140, 149	BPSK	HE0
	802.11ax (HE20) 52-tone RU	36, 64, 100, 140, 149	BPSK	HE0
	802.11ax (HE20) 106-tone RU	36, 64, 100, 140, 149	BPSK	HE0
	802.11ax (HE40) 242-tone RU	38, 62, 102, 134, 151	BPSK	HE0
	802.11ax (HE80) 484-tone RU	42, 58, 106, 155	BPSK	HE0
	802.11ax (HE160) 996-tone RU	50, 114	BPSK	HE0
	802.11ax (HE160) 996-tone RU RU996S	50, 114	BPSK	HE0

### 3.5 Duty Cycle of Test Signal

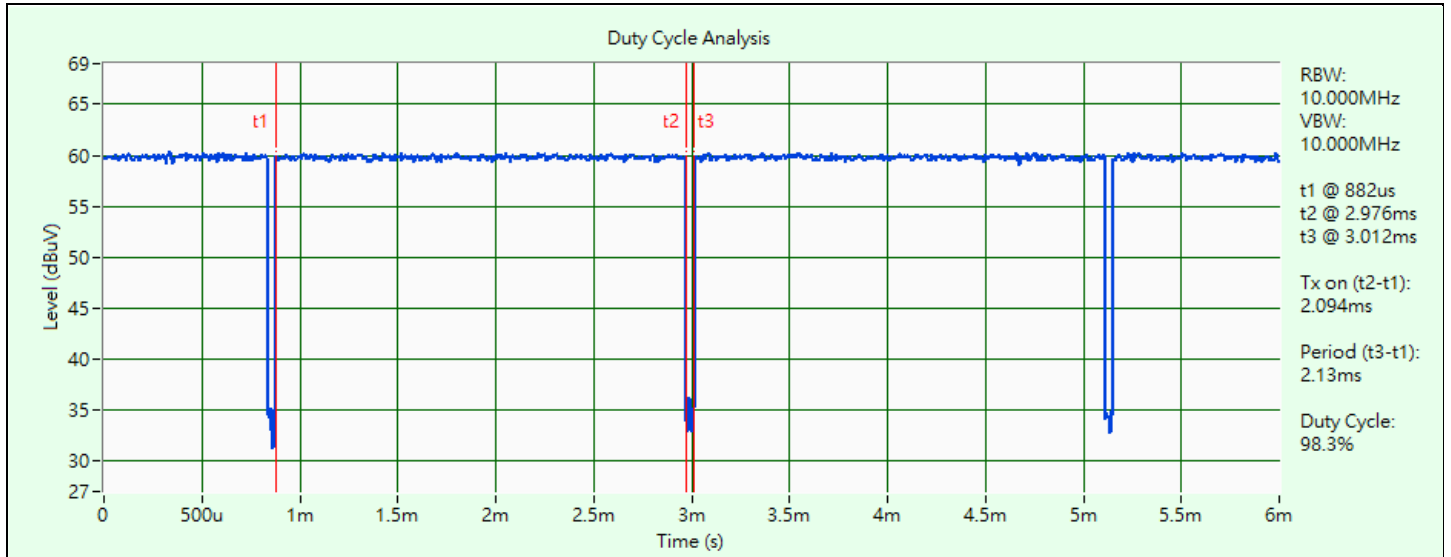
**802.11a (Chain 1):** Duty cycle = 2.094 ms / 2.13 ms x 100% = 98.3%

**802.11ax (HE20) Full RU:** Duty cycle = 4 ms / 4.02 ms x 100% = 99.5%

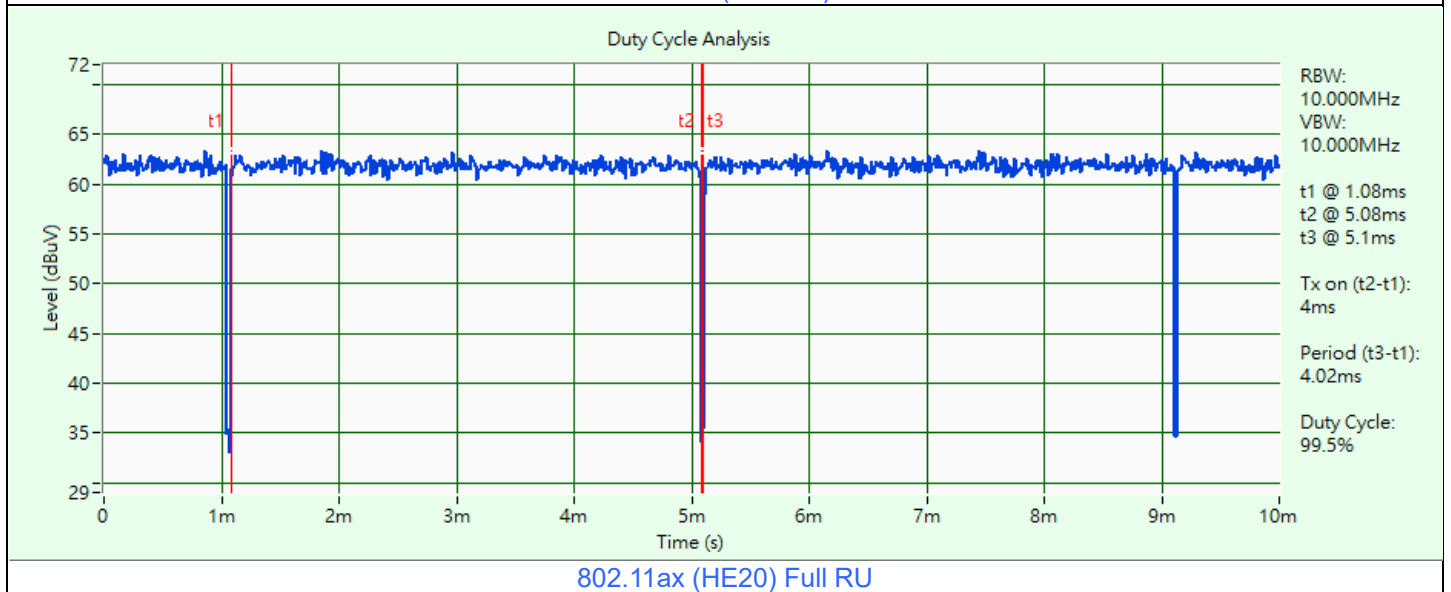
**802.11ax (HE40) Full RU:** Duty cycle = 3.99 ms / 4.02 ms x 100% = 99.3%

**802.11ax (HE80) Full RU:** Duty cycle = 4 ms / 4.02 ms x 100% = 99.5%

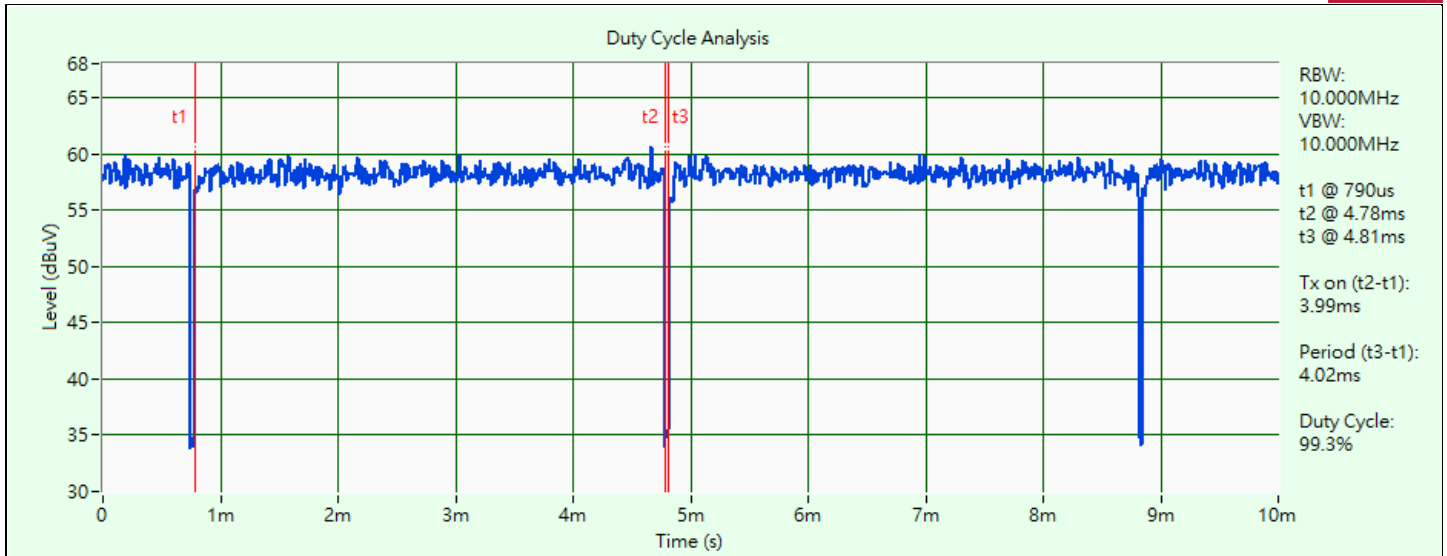
**802.11ax (HE160) Full RU:** Duty cycle = 2.316 ms / 2.352 ms x 100% = 98.5%



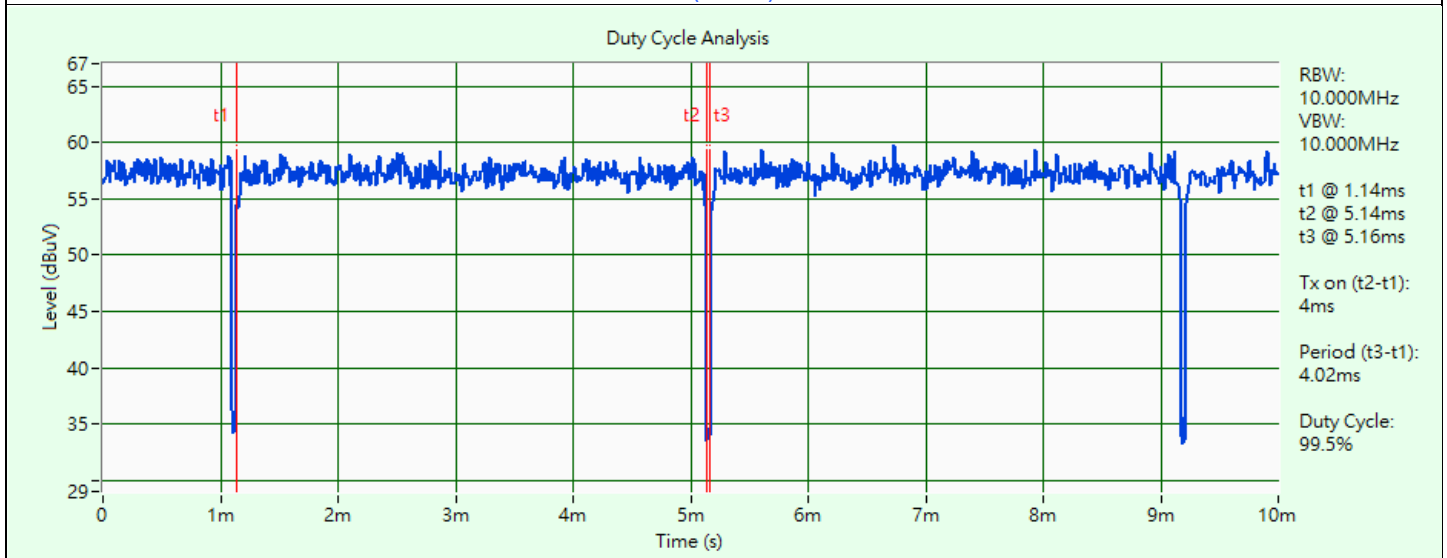
802.11a (Chain 1)



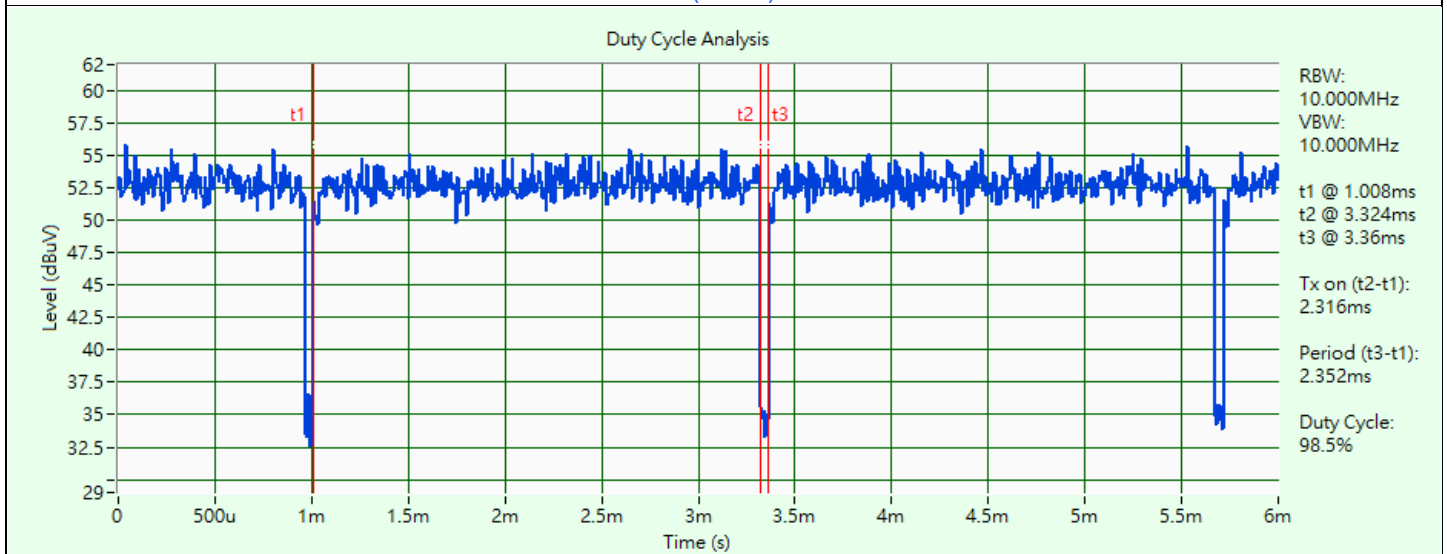
802.11ax (HE20) Full RU



802.11ax (HE40) Full RU



802.11ax (HE80) Full RU



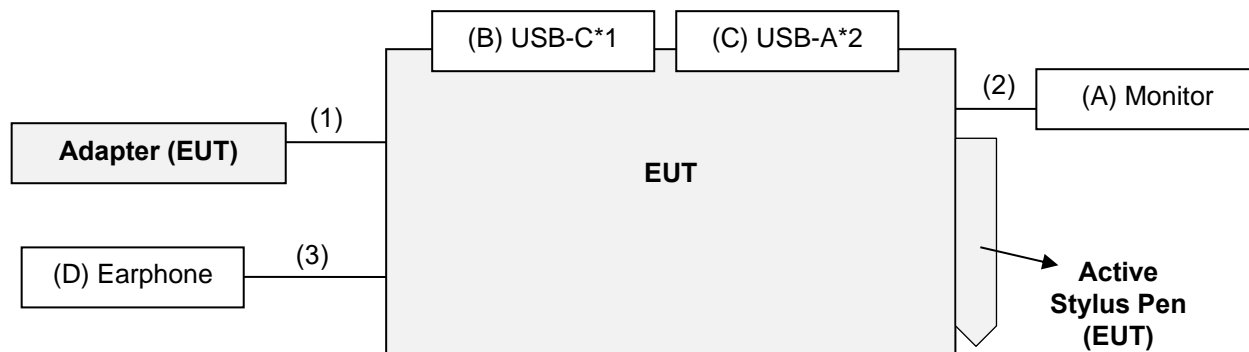
802.11ax (HE160) Full RU



### 3.6 Test Program Used and Operation Descriptions

Controlling software DRTU Version 04342.22.230.0 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.	Monitor	Dell	A14S2421HSXmTW	CN-01KQFW-WSL00-24C-711B	N/A	Provided by Lab
B.	USB-C*1	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab
C.	USB-A*2	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab
D.	Earphone	APPLE	MB77PFEB	N/A	N/A	Provided by Lab

No.	Cable Descriptions	Qty.	Length (m)	Shielded (Yes/ No)	Cores (Qty.)	Remark
1.	Type C to Type C cable	1	1.95	Yes	0	Accessory of EUT
2.	HDMI	1	1.8	Yes	0	Provided by Lab
3.	Earphone Cable	1	1.8	No	0	Provided by Lab

## 4 Test Instruments

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

### 4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/10/23 ~ 2023/10/26

### 4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2023/1/19	2024/1/18
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2023/1/18	2024/1/17
		MY58140009	2023/1/18	2024/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/10/23 ~ 2023/10/26

### 4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

### 4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

### 4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

#### 4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Supply JIN YIH Technology	6905S	1720444	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2023/7/6	2024/7/5
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	HRM-120RF	931022	2022/12/27	2023/12/26

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/10/23 ~ 2023/10/25

#### 4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011315	13	2022/11/17	2023/11/16
50 ohm terminal resistance	E1-011280	05	2022/11/21	2023/11/20
	E1-011311	09	2022/11/17	2023/11/16
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2022/11/9	2023/11/8
EMI Test Receiver R&S	ESR3	102783	2022/12/21	2023/12/20
Fixed Attenuator SGH	BNC10W10dB	PAD-COND2-01	2023/9/2	2024/9/1
LISN R&S	ESH2-Z5	100100	2023/3/7	2024/3/6
	ESH3-Z5	100312	2023/9/12	2024/9/11
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2023/9/2	2024/9/1
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2023/10/7

#### 4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1213	2022/10/20	2023/10/19
EMI Test Receiver R&S	ESR3	102782	2022/12/12	2023/12/11
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
Preamplifier EMCI	EMC330N	980782	2023/1/16	2024/1/15
	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/1/7	2024/1/6
	EMCCFD400-NM-NM- 500	201233	2023/1/16	2024/1/15
	EMCCFD400-NM-NM- 3000	201235	2023/1/16	2024/1/15
	EMCCFD400-NM-NM- 9000	201236(with PAD)	2023/1/16	2024/1/15
Signal & Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2023/10/5

#### 4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2022/12/12	2023/12/11
Horn Antenna RFSPIN	DRH18-E	210103A18E	2022/11/13	2023/11/12
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2022/11/13	2023/11/12
Preamplifier EMCI	EMC118A45SE	980808	2022/12/29	2023/12/28
	EMC184045SE	980788	2023/1/16	2024/1/15
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2023/1/16	2024/1/15
	EMC101G-KM-KM-3000	201257	2023/1/16	2024/1/15
	EMC101G-KM-KM-5000	201260	2023/1/16	2024/1/15
	EMC104-SM-SM-1000	210102	2023/1/16	2024/1/15
	EMC104-SM-SM-3000	201231	2023/1/16	2024/1/15
	EMC104-SM-SM-9000	201243	2023/1/16	2024/1/15
Signal & Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2023/10/2 ~ 2023/10/12

## 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 Point	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Mobile and Portable client device	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  $\geq 40$  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 Point	
	Indoor Access Point	
	Mobile and Portable client device	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 Frequency Stability

The frequency of the carrier signal shall be maintained within band of operation.

## 5.7 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.

## 5.8 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).

## 5.9 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) <sup>*1</sup>	PK: 68.2 (dBμV/m) <sup>*1</sup>
	PK: 10 (dBm/MHz) <sup>*2</sup>	PK: 105.2 (dBμV/m) <sup>*2</sup>
	PK: 15.6 (dBm/MHz) <sup>*3</sup>	PK: 110.8 (dBμV/m) <sup>*3</sup>
	PK: 27 (dBm/MHz) <sup>*4</sup>	PK: 122.2 (dBμV/m) <sup>*4</sup>

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

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

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

<sup>\*4</sup> from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

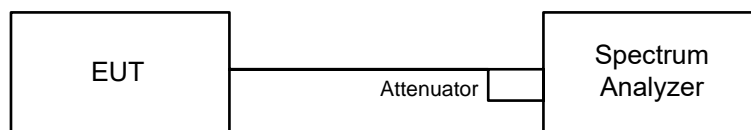
$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts).}$$



## 6 Test Arrangements

### 6.1 26 dB Bandwidth

#### 6.1.1 Test Setup

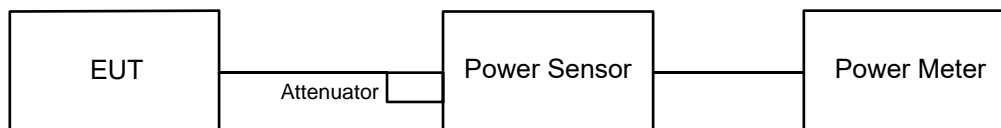


#### 6.1.2 Test Procedure

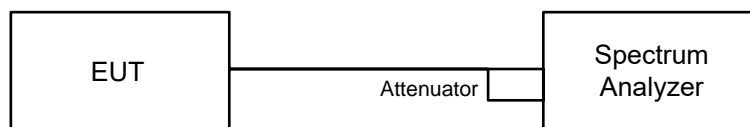
- a. Set RBW = approximately 1% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat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

## 6.2 RF Output Power

### 6.2.1 Test Setup



#### For channel straddling:



### 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:

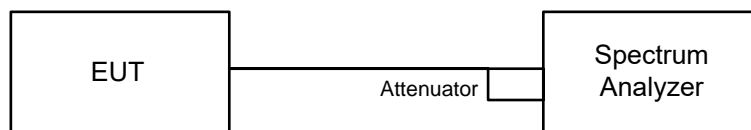
##### Method SA-1

- a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
- b. Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
- c. 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.)
- d. Sweep time = auto, trigger set to "free run".
- e. Trace average at least 100 traces in power averaging mode.
- f. Record the max value

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the EBW or 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 26 dB EBW or 99% OBW of the spectrum.

## 6.3 Power Spectral Density

### 6.3.1 Test Setup



### 6.3.2 Test Procedure

#### For specified measurement bandwidth 1 MHz:

##### Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) 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  $\leq$  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

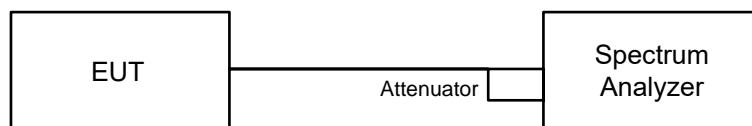
#### For specified measurement bandwidth 500 kHz:

##### Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) 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  $\leq$  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

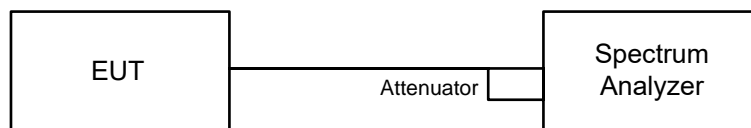


### 6.4.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW)  $\geq$  3 x RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) 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

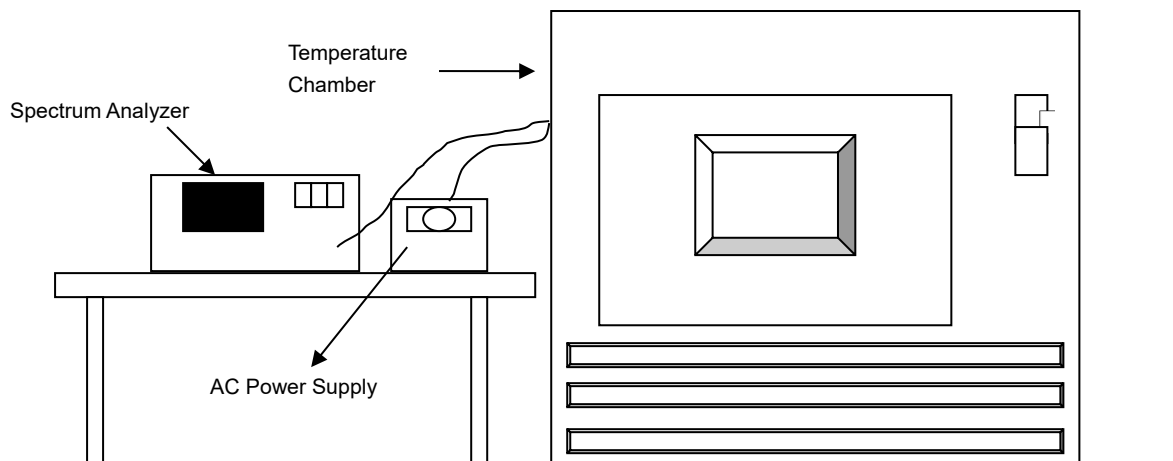


### 6.5.2 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to Sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

## 6.6 Frequency Stability

### 6.6.1 Test Setup

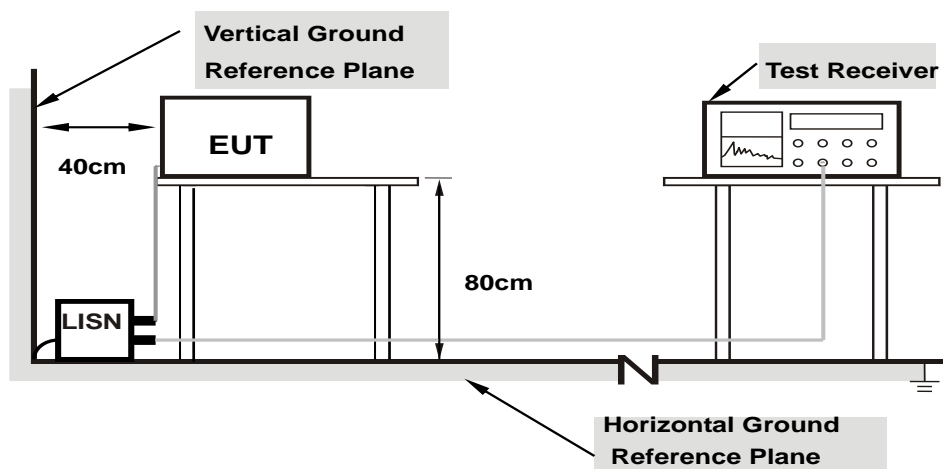


### 6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

## 6.7 AC Power Conducted Emissions

### 6.7.1 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).

### 6.7.2 Test Procedure

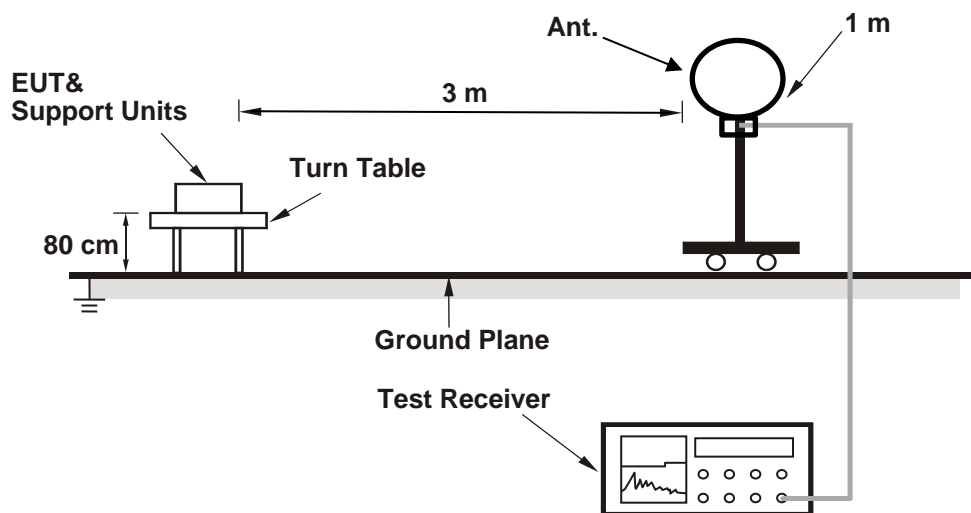
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The 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.

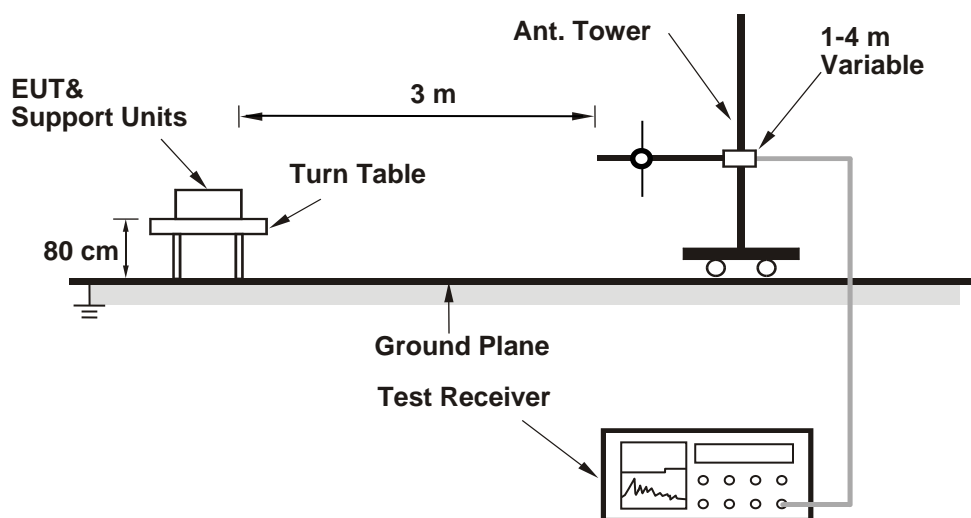
## 6.8 Unwanted Emissions below 1 GHz

### 6.8.1 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).

## 6.8.2 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, 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

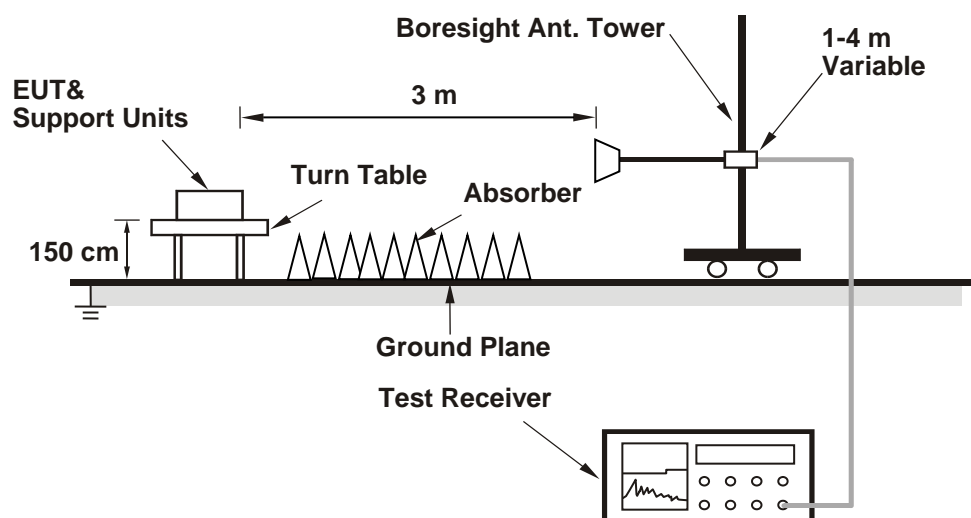
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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 detect function and specified bandwidth with maximum hold mode when the test frequency is below 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.
2. All modes of operation were investigated and the worst-case emissions are reported.

## 6.9 Unwanted Emissions above 1 GHz

### 6.9.1 Test Setup



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

### 6.9.2 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, 60% RH	Tested By:	Wayne Lin
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#### Chain 0

#### 802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	24.25
60	5300	24.61
64	5320	24.47
100	5500	24.51
116	5580	24.68
140	5700	24.22
144 (U-NII-2C)	5720	17.54
144 (U-NII-3)	5720	7.07

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	24.25	24.84 > 24
60	5300	24.61	24.91 > 24
64	5320	24.47	24.88 > 24
100	5500	24.51	24.89 > 24
116	5580	24.68	24.92 > 24
140	5700	24.22	24.84 > 24
144 (U-NII-2C)	5720	17.54	23.44 < 24

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

**Chain 1**
**802.11a**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	24.41
60	5300	24.45
64	5320	24.24
100	5500	24.61
116	5580	24.32
140	5700	24.81
144 (U-NII-2C)	5720	17.11
144 (U-NII-3)	5720	7.25

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	24.41	24.87 > 24
60	5300	24.45	24.88 > 24
64	5320	24.24	24.84 > 24
100	5500	24.61	24.91 > 24
116	5580	24.32	24.85 > 24
140	5700	24.81	24.94 > 24
144 (U-NII-2C)	5720	17.11	23.33 < 24

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

## MIMO

### 802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.98	21.26
60	5300	20.88	21.17
64	5320	21.57	20.60
100	5500	20.96	21.17
116	5580	21.53	21.54
140	5700	21.42	21.58

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.98	24.21 > 24
60	5300	20.88	24.19 > 24
64	5320	20.60	24.13 > 24
100	5500	20.96	24.21 > 24
116	5580	21.53	24.33 > 24
140	5700	21.42	24.3 > 24

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

**802.11ax (HE20) 52-tone RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.11	20.53
60	5300	21.15	20.41
64	5320	22.07	20.59
100	5500	21.01	20.79
116	5580	22.12	20.54
140	5700	21.95	20.54

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.53	24.12 > 24
60	5300	20.41	24.09 > 24
64	5320	20.59	24.13 > 24
100	5500	20.79	24.17 > 24
116	5580	20.54	24.12 > 24
140	5700	20.54	24.12 > 24

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

**802.11ax (HE20) 106-tone RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.34	20.57
60	5300	21.52	20.51
64	5320	22.62	20.68
100	5500	21.08	20.61
116	5580	21.58	20.80
140	5700	21.81	20.80

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.57	24.13 > 24
60	5300	20.51	24.11 > 24
64	5320	20.68	24.15 > 24
100	5500	20.61	24.14 > 24
116	5580	20.80	24.18 > 24
140	5700	20.80	24.18 > 24

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

**802.11ax (HE20) Full RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	24.60	23.86
60	5300	23.86	24.64
64	5320	24.32	23.96
100	5500	24.25	24.34
116	5580	24.03	23.44
140	5700	23.82	25.10
144 (U-NII-2C)	5720	17.22	16.78
144 (U-NII-3)	5720	7.33	7.21

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	23.86	24.77 > 24
60	5300	23.86	24.77 > 24
64	5320	23.96	24.79 > 24
100	5500	24.25	24.84 > 24
116	5580	23.44	24.69 > 24
140	5700	23.82	24.76 > 24
144 (U-NII-2C)	5720	16.78	23.24 < 24

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

**802.11ax (HE40) 242-tone RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	22.04	21.65
62	5310	22.31	21.33
102	5510	21.93	21.62
110	5550	22.12	21.72
134	5670	22.02	21.30

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	21.65	24.35 > 24
62	5310	21.33	24.28 > 24
102	5510	21.62	24.34 > 24
110	5550	21.72	24.36 > 24
134	5670	21.30	24.28 > 24

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

**802.11ax (HE40) Full RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	44.10	42.86
62	5310	43.31	43.72
102	5510	43.13	42.96
110	5550	42.80	43.01
134	5670	43.32	43.36
142 (U-NII-2C)	5710	36.76	37.13
142 (U-NII-3)	5710	7.25	7.03

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	42.86	27.32 > 24
62	5310	43.31	27.36 > 24
102	5510	42.96	27.33 > 24
110	5550	42.80	27.31 > 24
134	5670	43.32	27.36 > 24
142 (U-NII-2C)	5710	36.76	26.65 > 24

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

**802.11ax (HE80) 484-tone RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	41.82	42.68
106	5530	41.60	42.59
122	5610	42.56	43.87

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	41.82	27.21 > 24
106	5530	41.60	27.19 > 24
122	5610	42.56	27.29 > 24

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



**802.11ax (HE80) Full RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	84.74	84.83
106	5530	84.51	84.46
122	5610	85.00	85.68
138 (U-NII-2C)	5690	77.00	77.11
138 (U-NII-3)	5690	6.75	7.23

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	84.74	30.28 > 24
106	5530	84.46	30.26 > 24
122	5610	85.00	30.29 > 24
138 (U-NII-2C)	5690	77.00	29.86 > 24

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

**802.11ax (HE160) 996-tone RU**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	81.97	81.31
50 (U-NII-2A)	5250	1.59	1.24
114	5570	84.58	84.31

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	1.24	11.93 < 24
114	5570	84.31	30.25 > 24

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



### 802.11ax (HE160) 996-tone RU RU996S

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	2.65	2.09
50 (U-NII-2)	5250	82.41	82.14
114	5570	93.88	91.88

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2)	5250	82.14	30.14 > 24
114	5570	91.88	30.63 > 24

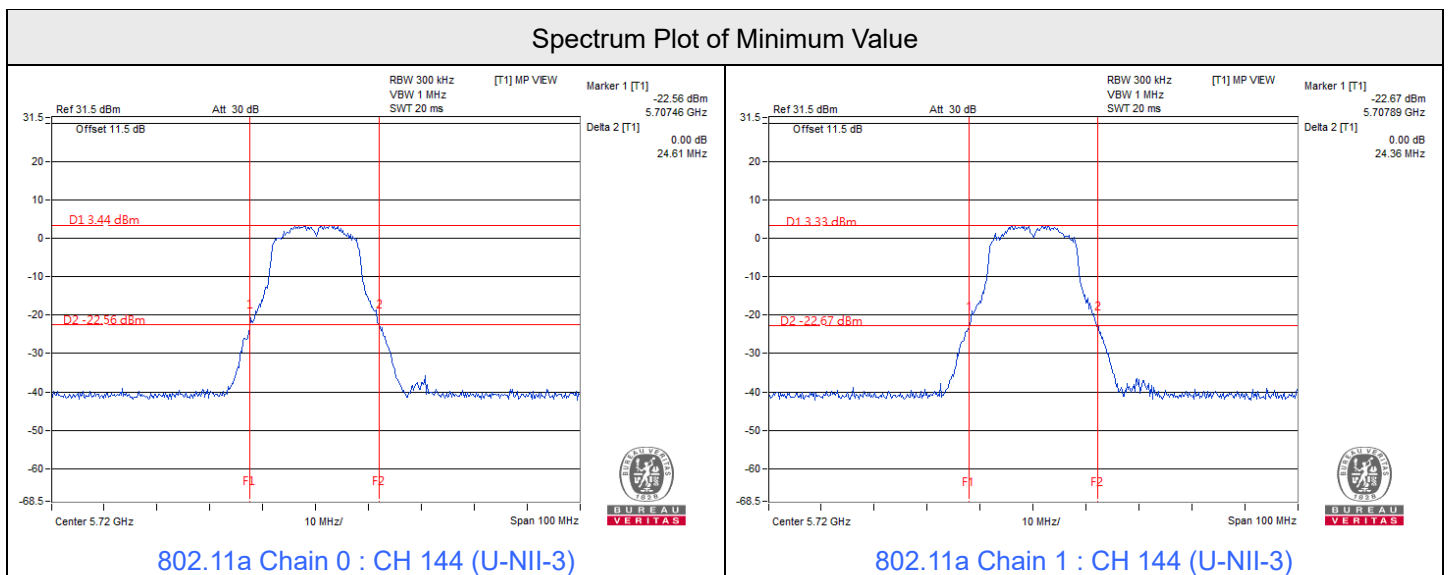
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

### 802.11ax (HE160) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.00	82.55
50 (U-NII-2A)	5250	82.99	82.41
114	5570	166.27	166.00

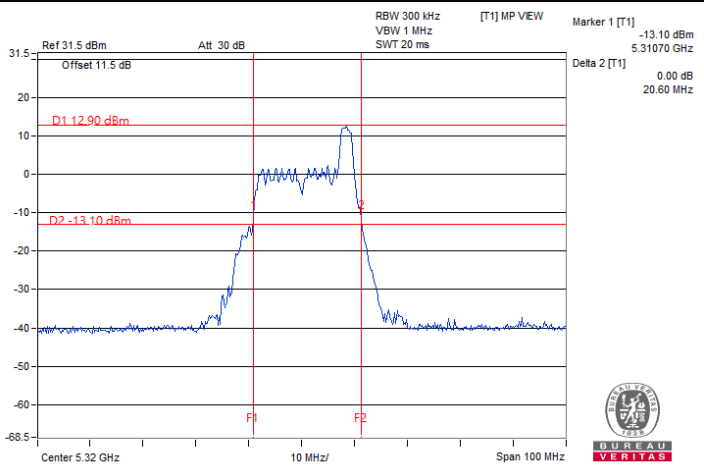
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	82.41	30.15 > 24
114	5570	166.00	33.2 > 24

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

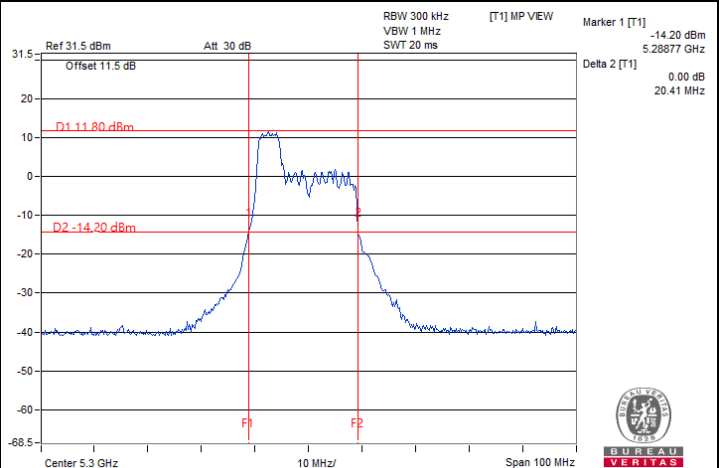




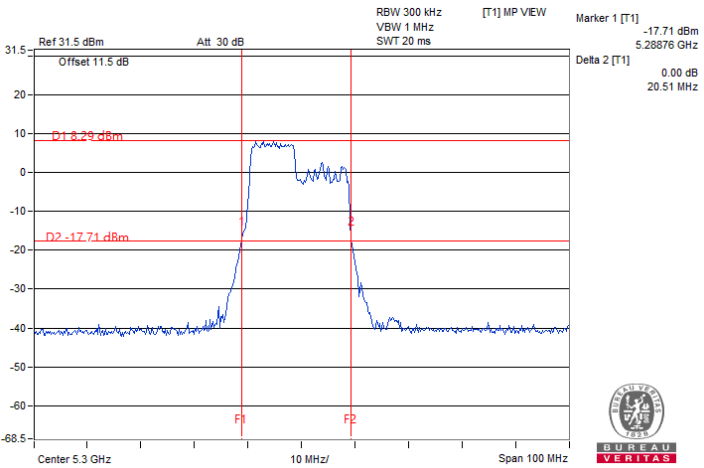
### Spectrum Plot of Minimum Value



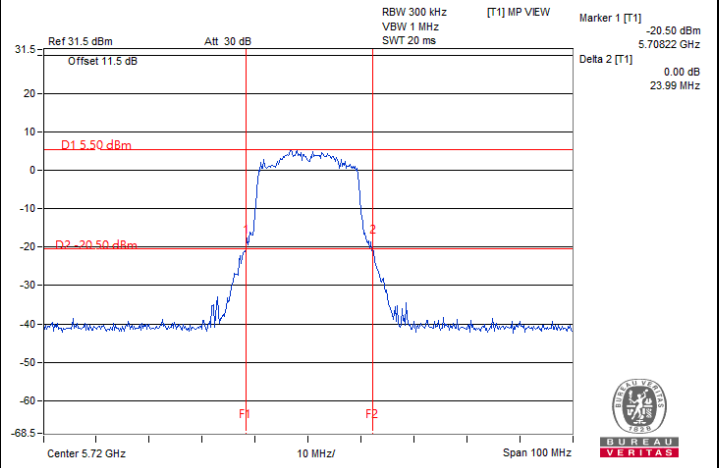
802.11ax (HE20) 26-tone RU / Chain 1 : CH 64@8



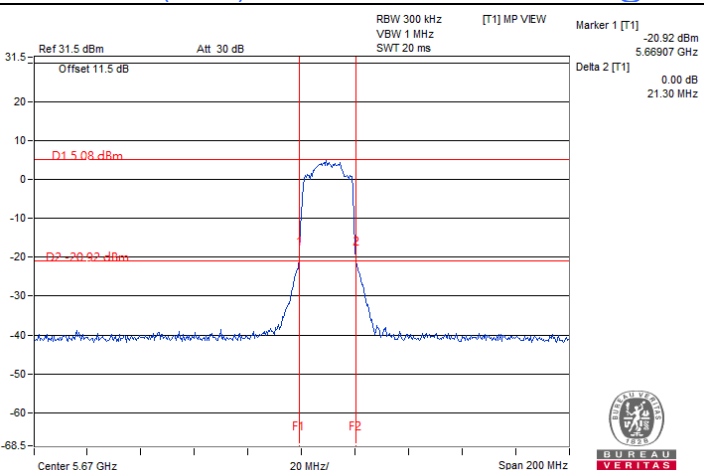
802.11ax (HE20) 52-tone RU / Chain 1 : CH 60@8



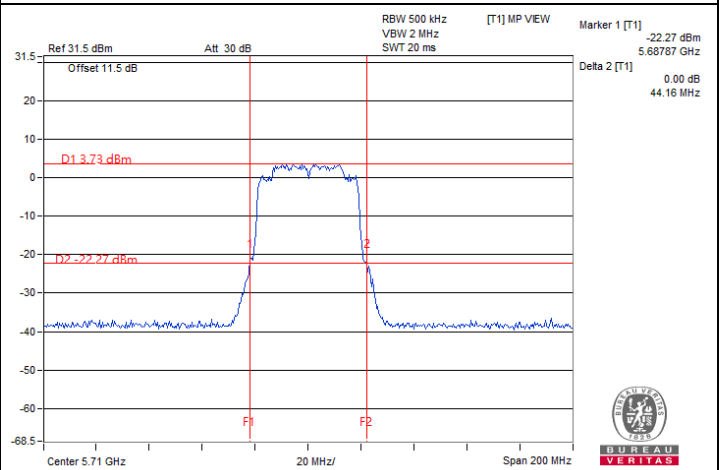
802.11ax (HE20) 106-tone RU / Chain 1 : CH 60@8



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

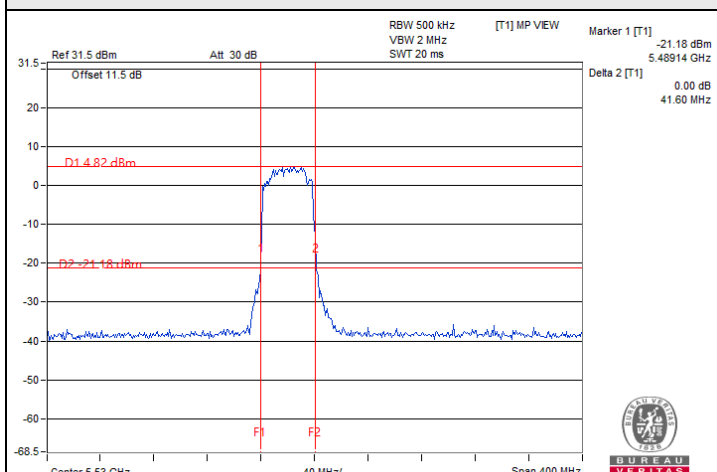


802.11ax (HE40) 242-tone RU / Chain 1 : CH 134@62

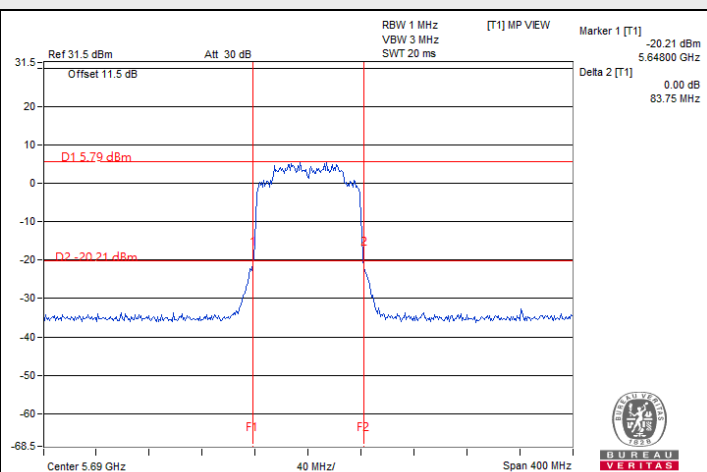


802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-3)

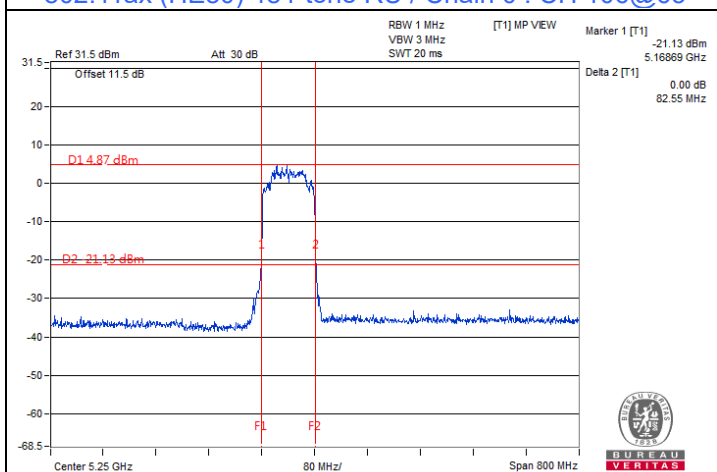
### Spectrum Plot of Minimum Value



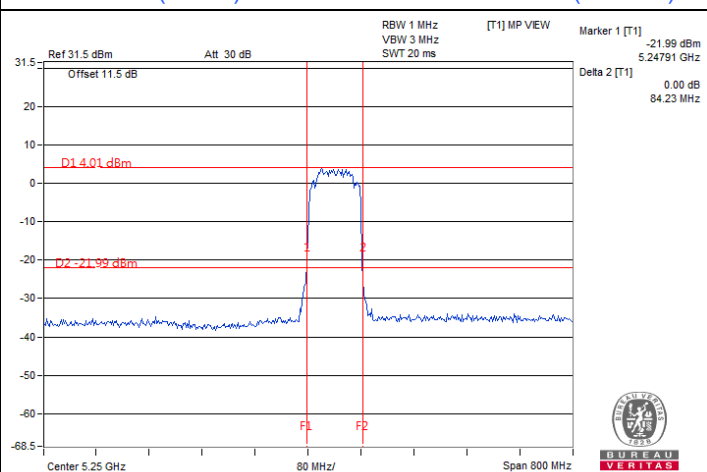
802.11ax (HE80) 484-tone RU / Chain 0 : CH 106@65



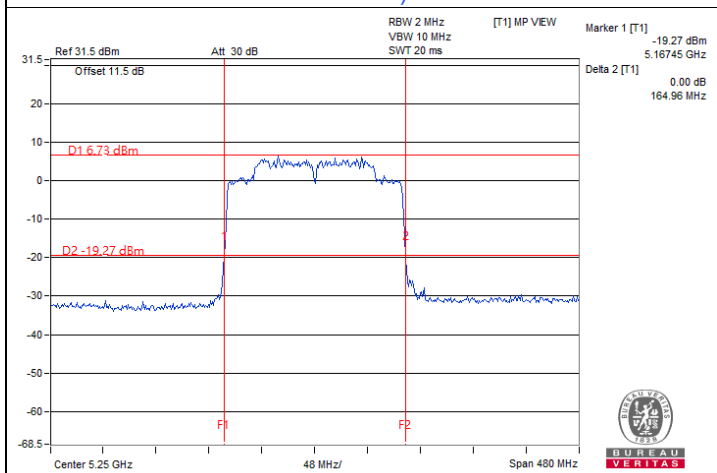
802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-3)



802.11ax (HE160) 996-tone RU / Chain 1 : CH 50@67 (U-NII-2A)



802.11ax (HE160) 996-tone RU RU996S / Chain 1 : CH 50@S67 (U-NII-1)



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

**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, 60% RH	Tested By:	Wayne Lin
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### Chain 0

#### 802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	10.839	10.35	24	Pass
40	5200	10.839	10.35	24	Pass
48	5240	10.74	10.31	24	Pass
52	5260	10.423	10.18	24	Pass
60	5300	10.814	10.34	24	Pass
64	5320	10.351	10.15	24	Pass
100	5500	10.447	10.19	24	Pass
116	5580	10.765	10.32	24	Pass
140	5700	10.52	10.22	24	Pass
*144 (U-NII-2C)	5720	8.65	9.37	23.44	Pass
*144 (U-NII-3)	5720	1.294	1.12	30	Pass
149	5745	10.304	10.13	30	Pass
157	5785	10.351	10.15	30	Pass
165	5825	10.666	10.28	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.
- For U-NII-1, the antenna gain is 1.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 1.96 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 2.79 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 2.79 dBi < 6 dBi, so the output power limit shall not be reduced.

## Chain 1

### 802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	10.593	10.25	24	Pass
40	5200	10.691	10.29	24	Pass
48	5240	10.568	10.24	24	Pass
52	5260	10.471	10.20	24	Pass
60	5300	10.399	10.17	24	Pass
64	5320	10.889	10.37	24	Pass
100	5500	10.889	10.37	24	Pass
116	5580	10.593	10.25	24	Pass
140	5700	10.447	10.19	24	Pass
*144 (U-NII-2C)	5720	8.954	9.52	23.33	Pass
*144 (U-NII-3)	5720	1.361	1.34	30	Pass
149	5745	10.423	10.18	30	Pass
157	5785	10.617	10.26	30	Pass
165	5825	10.568	10.24	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.
- For U-NII-1, the antenna gain is 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

## MIMO

### 802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.36	10.07	21.027	13.23	24	Pass
40	5200	10.21	10.32	21.26	13.28	24	Pass
48	5240	10.07	10.20	20.634	13.15	24	Pass
52	5260	10.36	10.12	21.144	13.25	24	Pass
60	5300	10.25	10.23	21.136	13.25	24	Pass
64	5320	10.21	10.07	20.658	13.15	24	Pass
100	5500	10.07	10.31	20.902	13.20	24	Pass
116	5580	10.31	10.35	21.579	13.34	24	Pass
140	5700	10.16	10.06	20.514	13.12	24	Pass
149	5745	10.35	10.20	21.311	13.29	30	Pass
157	5785	10.21	10.32	21.26	13.28	30	Pass
165	5825	10.27	10.31	21.381	13.30	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 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

**802.11ax (HE20) 52-tone RU**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.31	10.04	20.832	13.19	24	Pass
40	5200	10.17	10.27	21.041	13.23	24	Pass
48	5240	10.03	10.16	20.445	13.11	24	Pass
52	5260	10.32	10.08	20.951	13.21	24	Pass
60	5300	10.22	10.20	20.991	13.22	24	Pass
64	5320	10.17	10.04	20.492	13.12	24	Pass
100	5500	10.04	10.27	20.734	13.17	24	Pass
116	5580	10.27	10.31	21.381	13.30	24	Pass
140	5700	10.12	10.03	20.349	13.09	24	Pass
149	5745	10.31	10.17	21.139	13.25	30	Pass
157	5785	10.17	10.28	21.065	13.24	30	Pass
165	5825	10.23	10.26	21.161	13.26	30	Pass

**Notes:**

1. \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.



**802.11ax (HE20) 106-tone RU**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.26	10.01	20.64	13.15	24	Pass
40	5200	10.13	10.25	20.896	13.20	24	Pass
48	5240	10.01	10.13	20.327	13.08	24	Pass
52	5260	10.27	10.06	20.781	13.18	24	Pass
60	5300	10.20	10.17	20.87	13.20	24	Pass
64	5320	10.14	10.02	20.374	13.09	24	Pass
100	5500	10.01	10.24	20.591	13.14	24	Pass
116	5580	10.25	10.27	21.234	13.27	24	Pass
140	5700	10.07	10.01	20.186	13.05	24	Pass
149	5745	10.25	10.15	20.944	13.21	30	Pass
157	5785	10.15	10.25	20.944	13.21	30	Pass
165	5825	10.20	10.23	21.015	13.23	30	Pass

**Notes:**

1. \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.39	10.12	21.22	13.27	24	Pass
40	5200	10.24	10.40	21.533	13.33	24	Pass
48	5240	10.12	10.23	20.824	13.19	24	Pass
52	5260	10.38	10.15	21.266	13.28	24	Pass
60	5300	10.28	10.26	<b>21.283</b>	<b>13.28</b>	24	Pass
64	5320	10.25	10.11	20.849	13.19	24	Pass
100	5500	10.10	10.36	21.097	13.24	24	Pass
116	5580	10.34	10.38	21.729	13.37	24	Pass
140	5700	10.19	10.12	20.727	13.17	24	Pass
*144 (U-NII-2C)	5720	9.28	9.54	17.467	12.42	23.24	Pass
*144 (U-NII-3)	5720	3.11	2.63	3.879	5.89	30	Pass
149	5745	10.39	10.23	21.483	13.32	30	Pass
157	5785	10.24	10.36	21.432	13.31	30	Pass
165	5825	10.31	10.35	21.579	13.34	30	Pass

### Notes:

1. \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	10.36	10.31	21.604	13.35	24	Pass
46	5230	10.12	10.13	20.584	13.14	24	Pass
54	5270	10.24	10.12	20.848	13.19	24	Pass
62	5310	10.25	10.11	20.849	13.19	24	Pass
102	5510	10.27	10.26	21.258	13.28	24	Pass
110	5550	10.33	10.10	21.022	13.23	24	Pass
134	5670	10.12	10.35	21.119	13.25	24	Pass
151	5755	10.28	10.08	20.852	13.19	30	Pass
159	5795	10.34	10.35	21.654	13.36	30	Pass

#### Notes:

1. \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	10.40	10.34	21.779	13.38	24	Pass
46	5230	10.15	10.16	20.727	13.17	24	Pass
54	5270	10.27	10.15	20.993	13.22	24	Pass
62	5310	10.28	10.14	20.994	13.22	24	Pass
102	5510	10.31	10.29	21.43	13.31	24	Pass
110	5550	10.36	10.12	21.144	13.25	24	Pass
134	5670	10.15	10.38	21.266	13.28	24	Pass
*142 (U-NII-2C)	5710	9.74	9.70	18.751	12.73	24	Pass
*142 (U-NII-3)	5710	-2.53	-2.34	1.1419	0.58	30	Pass
151	5755	10.32	10.11	21.021	13.23	30	Pass
159	5795	10.37	10.40	21.854	13.40	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 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE80) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	10.26	10.07	20.779	13.18	24	Pass
58	5290	10.20	10.16	20.847	13.19	24	Pass
106	5530	10.41	10.42	22.005	13.43	24	Pass
122	5610	10.37	10.37	21.779	13.38	24	Pass
155	5775	10.47	10.41	22.133	13.45	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 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	10.30	10.12	20.995	13.22	24	Pass
58	5290	10.23	10.20	21.015	13.23	24	Pass
106	5530	10.43	10.45	<b>22.133</b>	<b>13.45</b>	24	Pass
122	5610	10.41	10.42	22.005	13.43	24	Pass
*138 (U-NII-2C)	5690	9.98	9.89	19.704	12.95	24	Pass
*138 (U-NII-3)	5690	-5.69	-5.48	0.5529	-2.57	30	Pass
155	5775	10.49	10.45	<b>22.286</b>	<b>13.48</b>	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 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE160) 996-tone RU

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	10.61	10.98	24.039	13.81	24	Pass
*50 (U-NII-2A)	5250	-24.05	-24.56	0.007435	-21.29	11.93	Pass
114	5570	9.57	9.72	18.433	12.66	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 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE160) 996-tone RU RU996S

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	-24.07	-24.76	0.007259	-21.39	24	Pass
*50 (U-NII-2)	5250	11.32	11.01	<b>26.17</b>	<b>14.18</b>	24	Pass
114	5570	9.60	9.75	18.561	12.69	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 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE160) Full RU

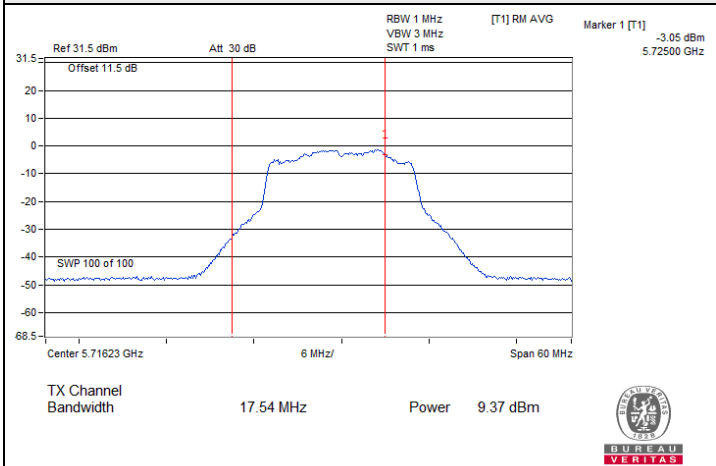
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	7.37	7.45	11.017	10.42	24	Pass
*50 (U-NII-2A)	5250	7.31	7.46	10.955	10.40	24	Pass
114	5570	9.64	9.78	18.711	12.72	24	Pass

#### Notes:

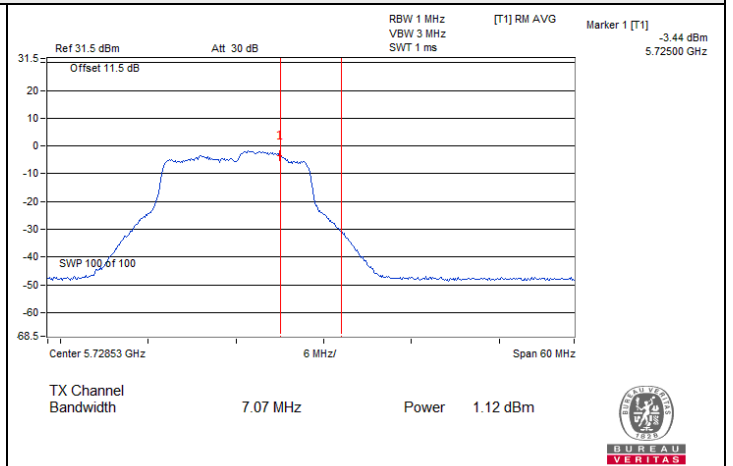
- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.51 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.



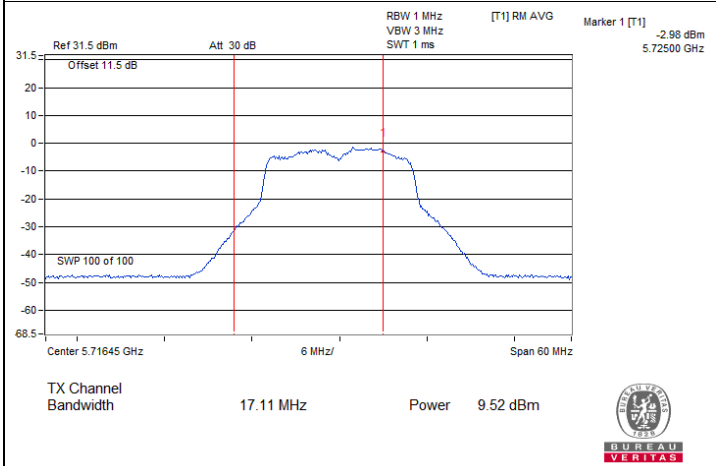
### Spectrum Plot for channel straddling



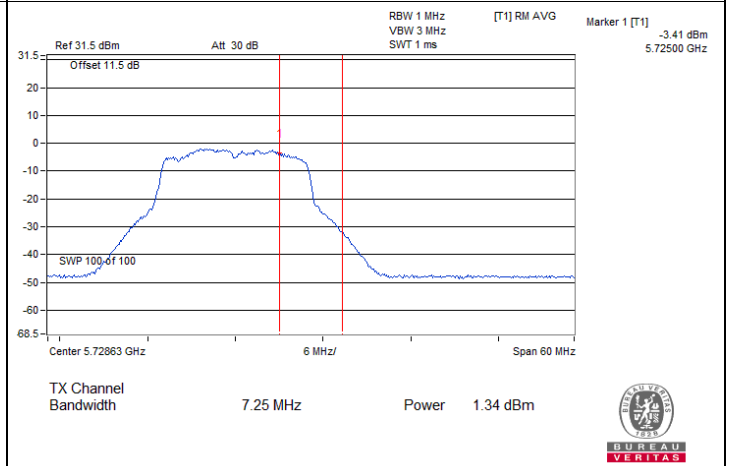
802.11a Chain 0 : CH 144 (U-NII-2C)



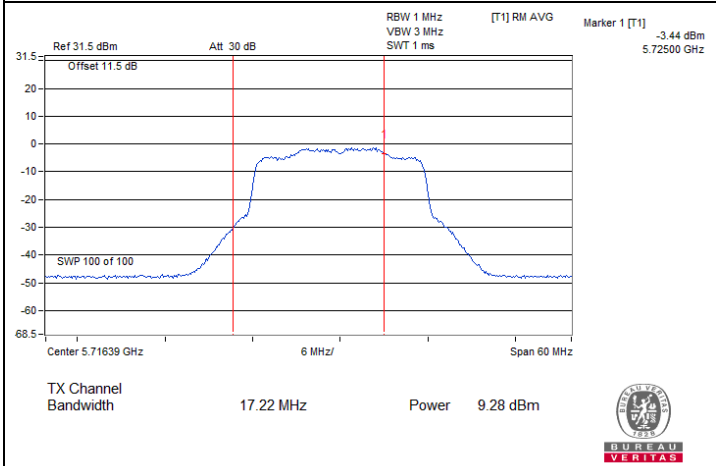
802.11a Chain 0 : CH 144 (U-NII-3)



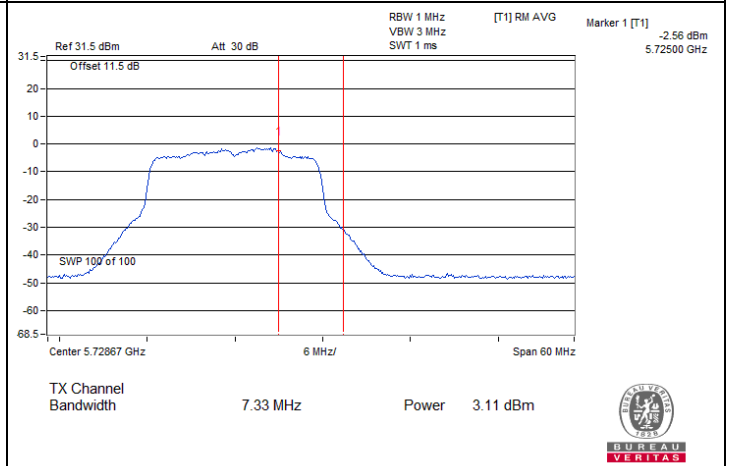
802.11a Chain 1 : CH 144 (U-NII-2C)



802.11a Chain 1 : CH 144 (U-NII-3)



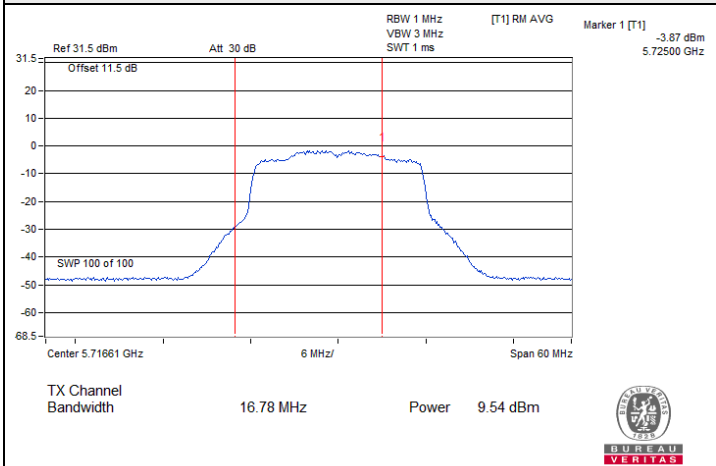
802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-2C)



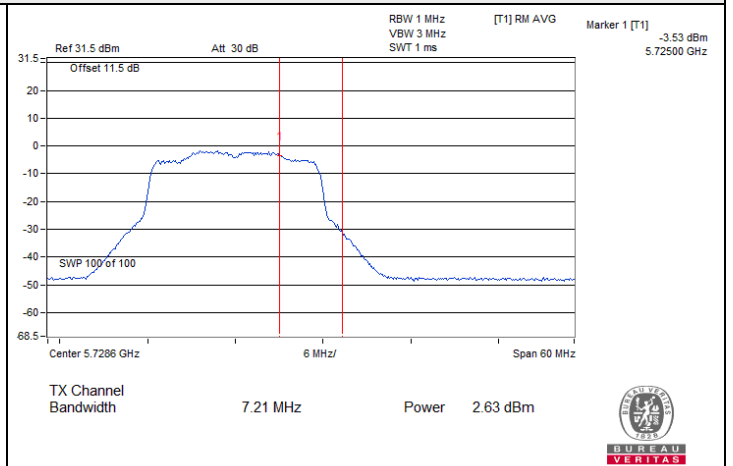
802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-3)



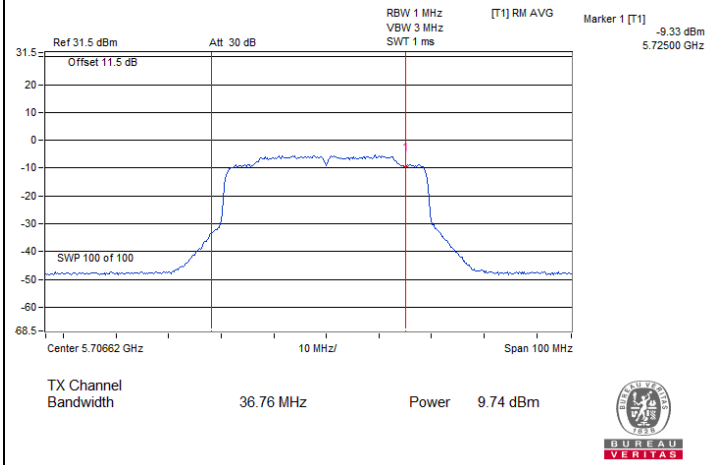
### Spectrum Plot for channel straddling



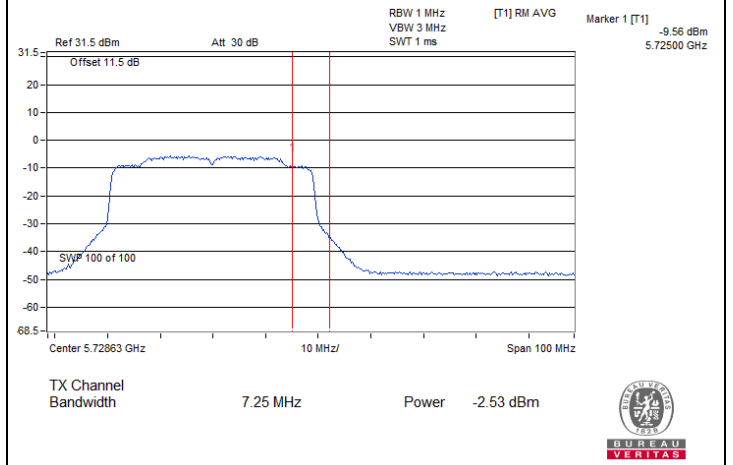
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-2C)



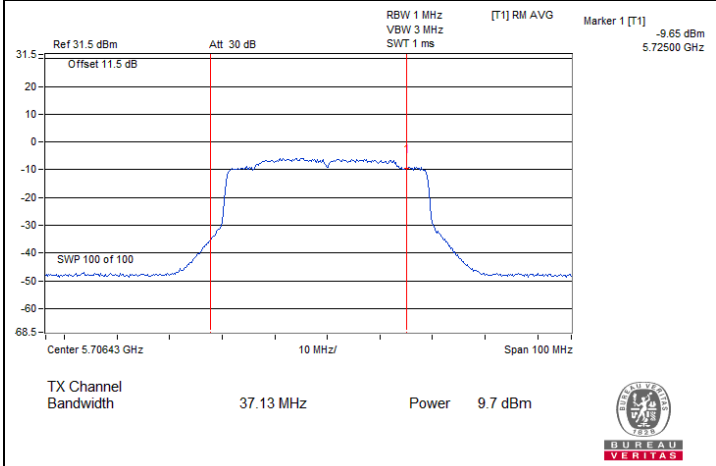
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-3)



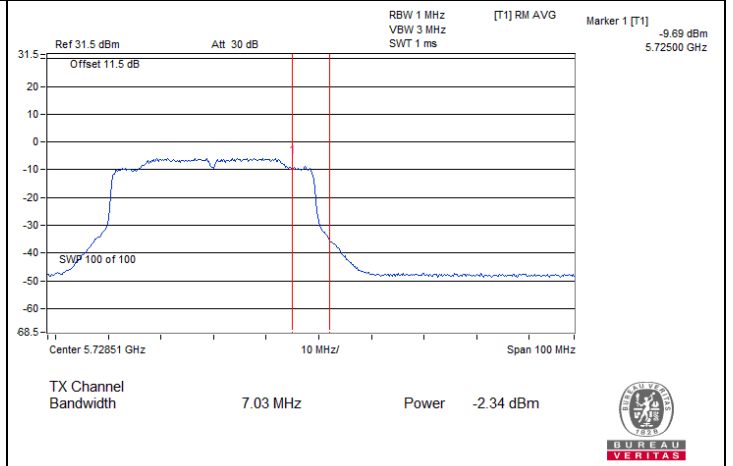
802.11ax (HE40) Full RU / Chain 0 : CH 142 (U-NII-2C)



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



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

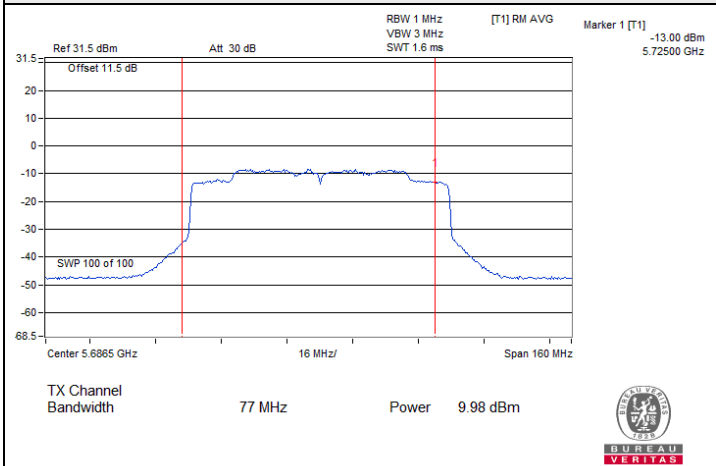


802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-3)

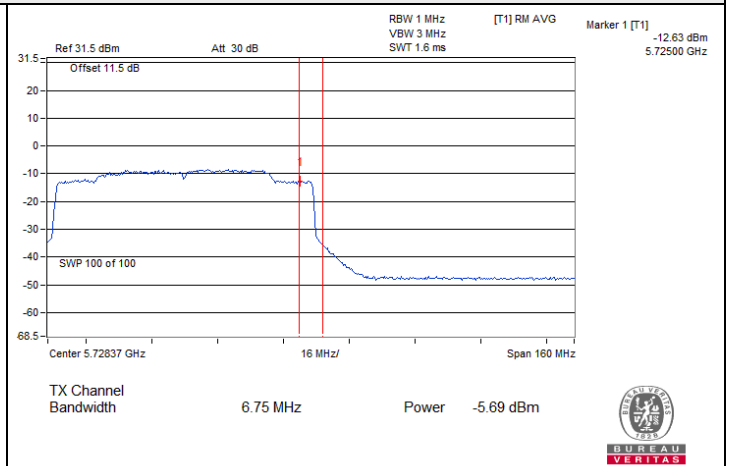




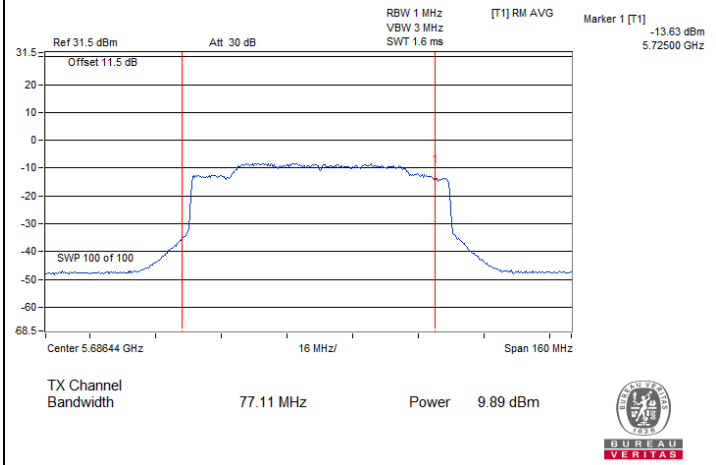
### Spectrum Plot for channel straddling



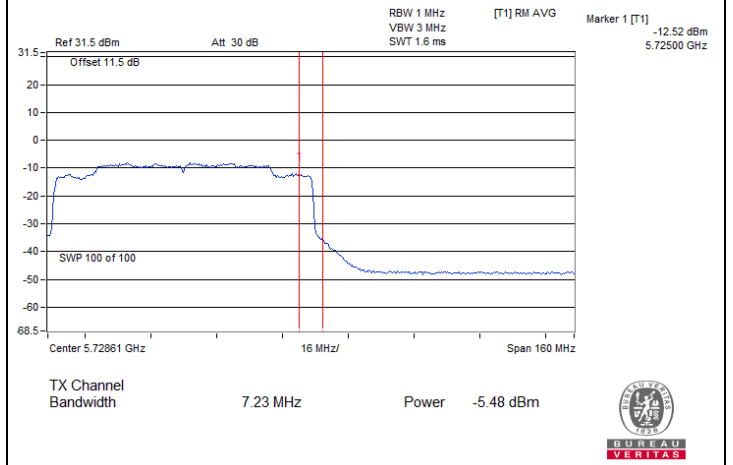
802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-2C)



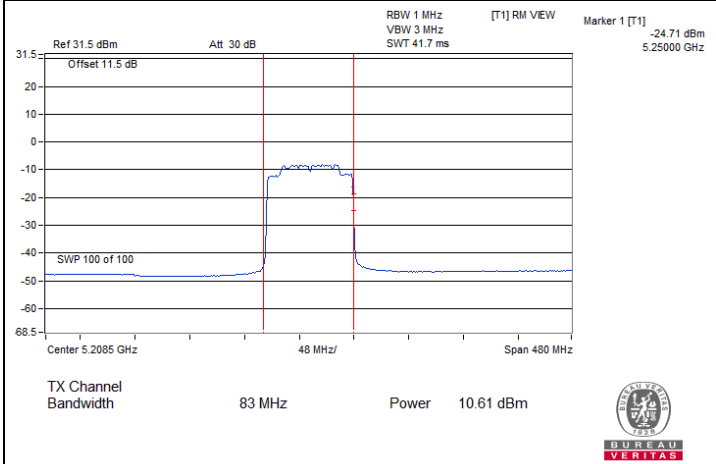
802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-3)



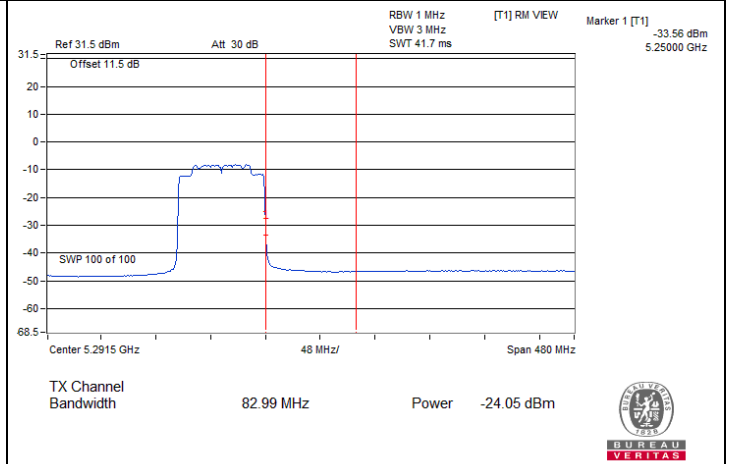
802.11ax (HE80) Full RU / Chain 1 : CH 138 (U-NII-2C)



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



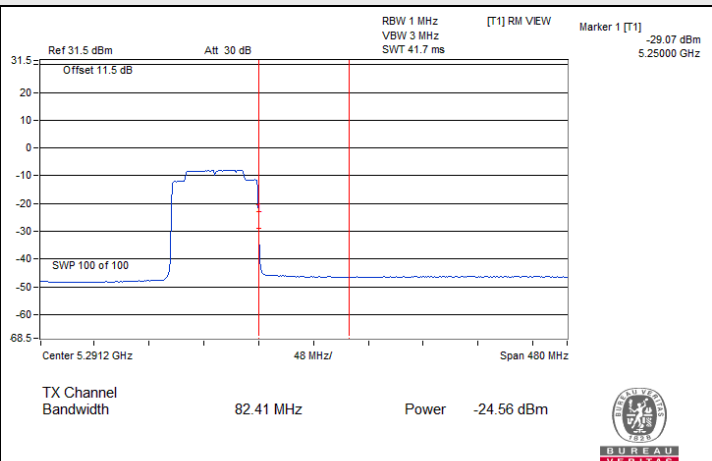
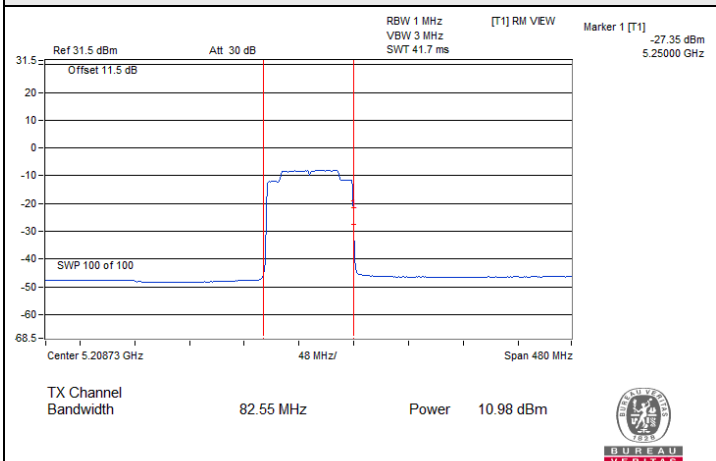
802.11ax (HE160) 996-tone RU / Chain 0 : CH 50 (U-NII-1)



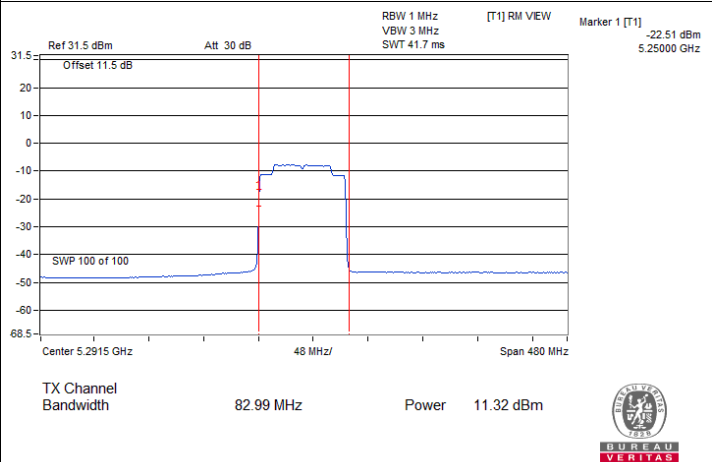
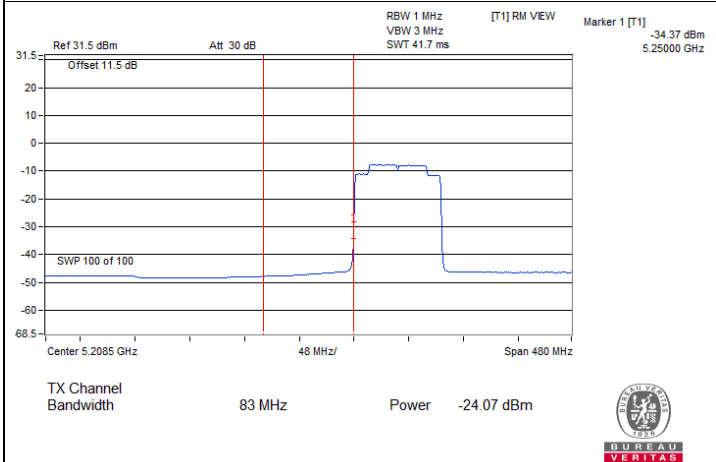
802.11ax (HE160) 996-tone RU / Chain 0 : CH 50 (U-NII-2A)



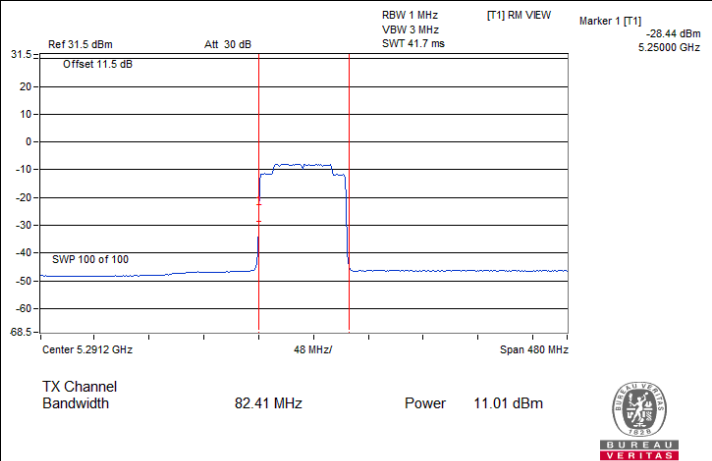
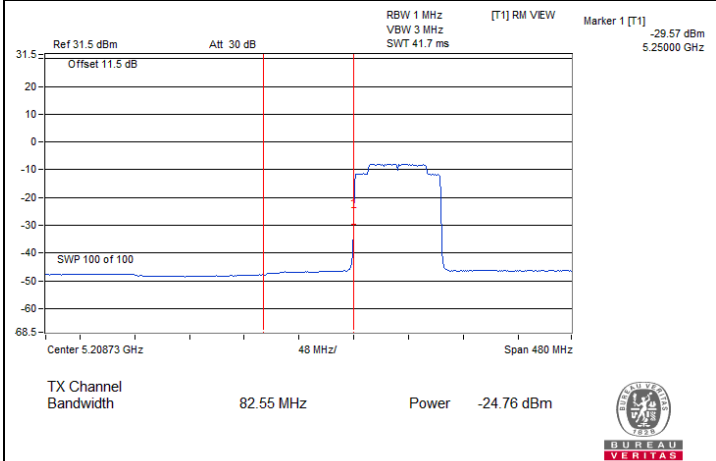
### Spectrum Plot for channel straddling



802.11ax (HE160) 996-tone RU / Chain 1 : CH 50 (U-NII-1) 802.11ax (HE160) 996-tone RU / Chain 1 : CH 50 (U-NII-2A)

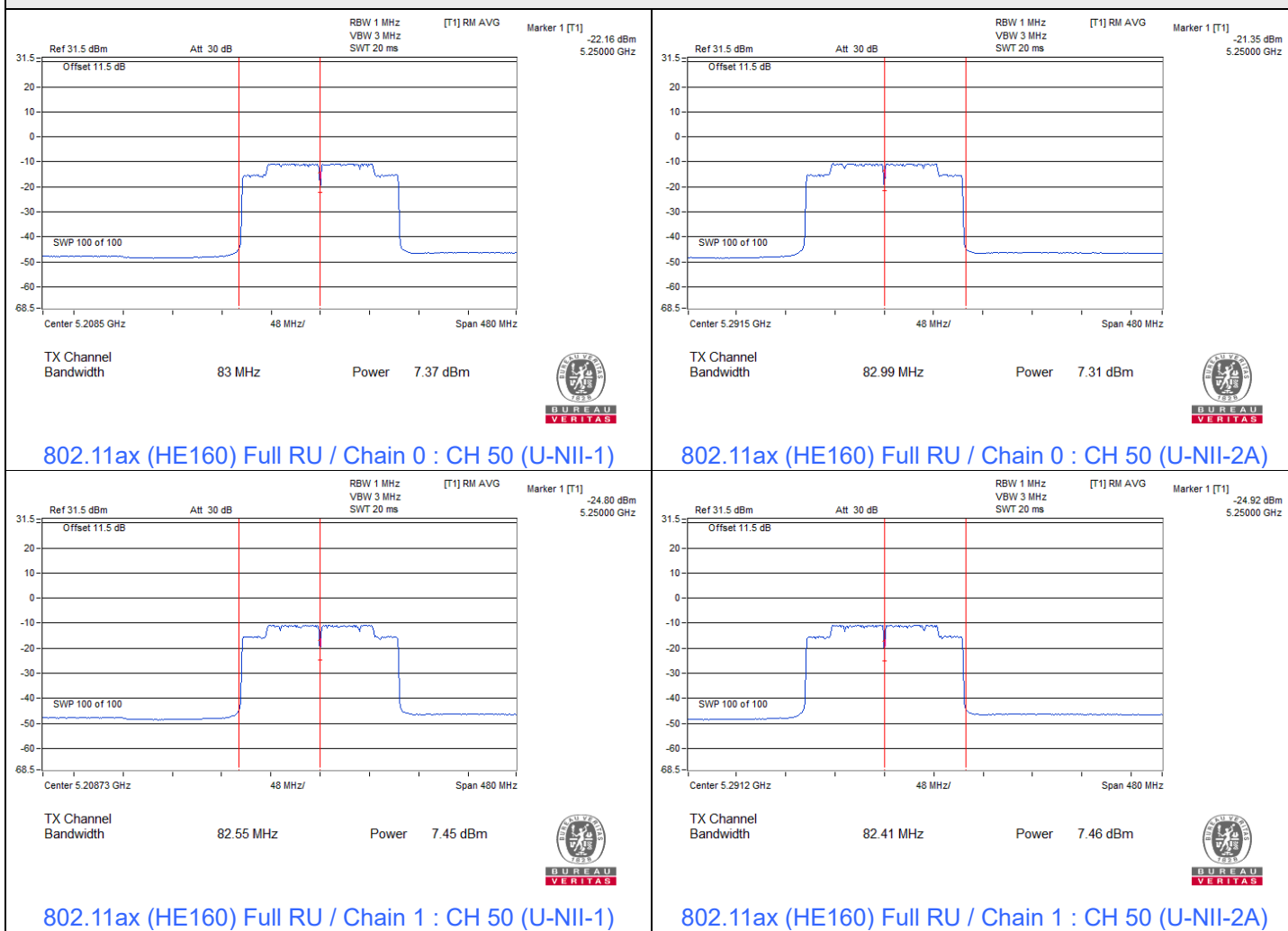


802.11ax (HE160) 996-tone RU RU996S / Chain 0 : CH 50 (U-NII-1) 802.11ax (HE160) 996-tone RU RU996S / Chain 0 : CH 50 (U-NII-2A)



802.11ax (HE160) 996-tone RU RU996S / Chain 1 : CH 50 (U-NII-1) 802.11ax (HE160) 996-tone RU RU996S / Chain 1 : CH 50 (U-NII-2A)

### Spectrum Plot for channel straddling



### 7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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#### Chain 0

##### 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-1.16	11	Pass
40	5200	-1.14	11	Pass
48	5240	-0.99	11	Pass
52	5260	-1.17	11	Pass
60	5300	-1.03	11	Pass
64	5320	-1.33	11	Pass
100	5500	-1.21	11	Pass
116	5580	-0.95	11	Pass
140	5700	-1.18	11	Pass
144 (U-NII-2C)	5720	-1.13	11	Pass

#### Notes:

1. For U-NII-1, the antenna gain is 1.4 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 1.96 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 2.79 dBi < 6 dBi, so the power density limit shall not be reduced.

#### Chain 1

##### 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-1.29	11	Pass
40	5200	-1.32	11	Pass
48	5240	-1.31	11	Pass
52	5260	-1.29	11	Pass
60	5300	-1.22	11	Pass
64	5320	-1.27	11	Pass
100	5500	-1.37	11	Pass
116	5580	-1.22	11	Pass
140	5700	-1.49	11	Pass
144 (U-NII-2C)	5720	-1.33	11	Pass

#### Notes:

1. For U-NII-1, the antenna gain is 2.19 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 2.51 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3.04 dBi < 6 dBi, so the power density limit shall not be reduced.

## MIMO

### 802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	6.44	6.44	9.45	11	Pass
40	5200	6.60	6.32	9.47	11	Pass
48	5240	6.55	6.52	9.55	11	Pass
52	5260	6.55	6.14	9.36	11	Pass
60	5300	6.60	6.12	9.38	11	Pass
64	5320	6.43	6.52	9.49	11	Pass
100	5500	6.68	6.29	9.50	11	Pass
116	5580	6.87	6.58	9.74	11	Pass
140	5700	6.83	6.63	9.74	11	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 =  $10 \log[(10^{\text{Chain 0}/20} + 10^{\text{Chain 1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	4.62	4.28	7.46	11	Pass
40	5200	4.63	4.47	7.56	11	Pass
48	5240	4.61	4.60	7.62	11	Pass
52	5260	4.49	4.31	7.41	11	Pass
60	5300	4.60	4.28	7.45	11	Pass
64	5320	4.70	4.38	7.55	11	Pass
100	5500	4.59	4.52	7.57	11	Pass
116	5580	4.79	4.78	7.80	11	Pass
140	5700	4.80	4.73	7.78	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	1.78	1.40	4.60	11	Pass
40	5200	1.75	1.32	4.55	11	Pass
48	5240	1.74	1.46	4.61	11	Pass
52	5260	1.74	1.34	4.55	11	Pass
60	5300	1.72	1.35	4.55	11	Pass
64	5320	1.87	1.41	4.66	11	Pass
100	5500	1.89	1.41	4.67	11	Pass
116	5580	2.08	1.55	4.83	11	Pass
140	5700	1.86	1.77	4.83	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-1.54	-1.85	1.32	11	Pass
40	5200	-1.45	-1.75	1.41	11	Pass
48	5240	-1.31	-1.68	1.52	11	Pass
52	5260	-1.33	-1.73	1.48	11	Pass
60	5300	-1.39	-1.64	1.50	11	Pass
64	5320	-1.41	-1.64	1.49	11	Pass
100	5500	-1.31	-1.82	1.45	11	Pass
116	5580	-1.30	-1.69	1.52	11	Pass
140	5700	-1.29	-1.72	1.51	11	Pass
144 (U-NII-2C)	5720	-1.19	-1.64	1.60	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-1.40	-1.66	1.48	11	Pass
46	5230	-1.76	-1.84	1.21	11	Pass
54	5270	-1.81	-1.90	1.16	11	Pass
62	5310	-1.44	-1.94	1.33	11	Pass
102	5510	-1.39	-1.83	1.41	11	Pass
110	5550	-1.33	-1.67	1.51	11	Pass
134	5670	-1.56	-1.78	1.34	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.



### 802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-5.31	-5.65	-2.47	11	Pass
46	5230	-5.37	-5.89	-2.61	11	Pass
54	5270	-5.33	-5.79	-2.54	11	Pass
62	5310	-5.38	-5.68	-2.52	11	Pass
102	5510	-5.34	-5.92	-2.61	11	Pass
110	5550	-5.40	-5.79	-2.58	11	Pass
134	5670	-5.50	-6.08	-2.77	11	Pass
142 (U-NII-2C)	5710	-5.32	-5.76	-2.52	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE80) 484-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-4.77	-5.19	-1.96	11	Pass
58	5290	-4.98	-5.38	-2.17	11	Pass
106	5530	-4.62	-5.20	-1.89	11	Pass
122	5610	-4.84	-5.07	-1.94	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-8.25	-8.37	-5.30	11	Pass
58	5290	-8.31	-8.36	-5.32	11	Pass
106	5530	-8.18	-8.12	-5.14	11	Pass
122	5610	-8.08	-8.02	-5.04	11	Pass
138 (U-NII-2C)	5690	-8.33	-8.21	-5.26	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE160) 996-tone RU

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	-7.77	-8.09	-4.92	11	Pass
50 (U-NII-2A)	5250	-29.61	-27.41	-25.36	11	Pass
114	5570	-8.11	-8.41	-5.25	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE160) 996-tone RU RU996S

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	-29.98	-29.03	-26.47	11	Pass
50 (U-NII-2)	5250	-8.99	-9.23	-6.10	11	Pass
114	5570	-9.62	-9.47	-6.53	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE160) Full RU

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	-10.74	-10.84	-7.78	11	Pass
50 (U-NII-2A)	5250	-10.74	-10.84	-7.78	11	Pass
114	5570	-10.97	-11.16	-8.05	11	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 4.81 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.25 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

## Chain 0

### 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-11.02	-8.80	30	Pass
149	5745	-9.74	-7.52	30	Pass
157	5785	-9.72	-7.50	30	Pass
165	5825	-9.46	-7.24	30	Pass

Note: For U-NII-3, the antenna gain is 2.79 dBi < 6 dBi, so the power density limit shall not be reduced.

## Chain 1

### 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-11.09	-8.87	30	Pass
149	5745	-9.67	-7.45	30	Pass
157	5785	-9.58	-7.36	30	Pass
165	5825	-9.68	-7.46	30	Pass

Note: For U-NII-3, the antenna gain is 3.04 dBi < 6 dBi, so the power density limit shall not be reduced.

## MIMO

### 802.11ax (HE20) 26-tone RU

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				
149	5745	-1.42	-1.80	1.4	3.62	30	Pass
157	5785	-1.70	-1.76	1.28	3.50	30	Pass
165	5825	-1.31	-1.54	1.59	3.81	30	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 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU

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				
149	5745	-4.38	-4.56	-1.46	0.76	30	Pass
157	5785	-4.48	-4.47	-1.46	0.76	30	Pass
165	5825	-4.42	-4.39	-1.39	0.83	30	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 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU

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				
149	5745	-7.30	-7.54	-4.41	-2.19	30	Pass
157	5785	-7.39	-7.64	-4.5	-2.28	30	Pass
165	5825	-7.31	-7.50	-4.39	-2.17	30	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 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) Full RU

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	-11.42	-11.85	-8.62	-6.40	30	Pass
149	5745	-10.39	-10.71	-7.54	-5.32	30	Pass
157	5785	-10.43	-13.00	-8.52	-6.30	30	Pass
165	5825	-10.40	-10.80	-7.59	-5.37	30	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 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE40) 242-tone RU

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				
151	5755	-10.83	-11.18	-7.99	-5.77	30	Pass
159	5795	-10.63	-10.76	-7.68	-5.46	30	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 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE40) Full RU

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	-17.46	-17.95	-14.69	-12.47	30	Pass
151	5755	-14.61	-15.14	-11.86	-9.64	30	Pass
159	5795	-14.63	-14.75	-11.68	-9.46	30	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 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE80) 484-tone RU

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				
155	5775	-14.11	-14.47	-11.28	-9.06	30	Pass

Notes:

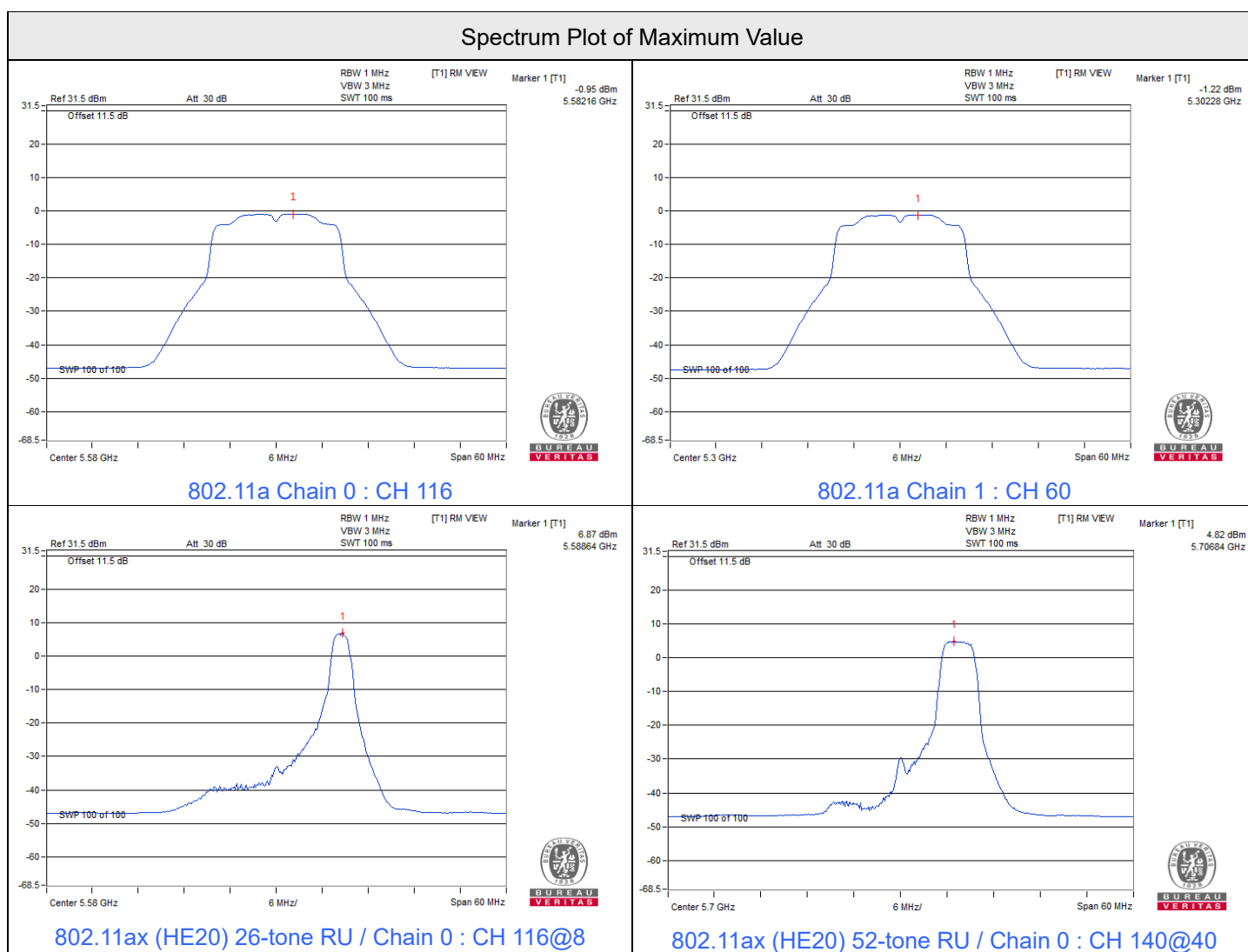
1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE80) Full RU

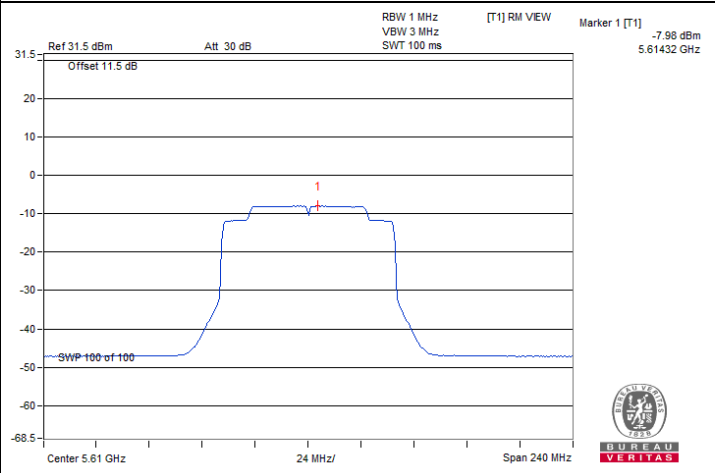
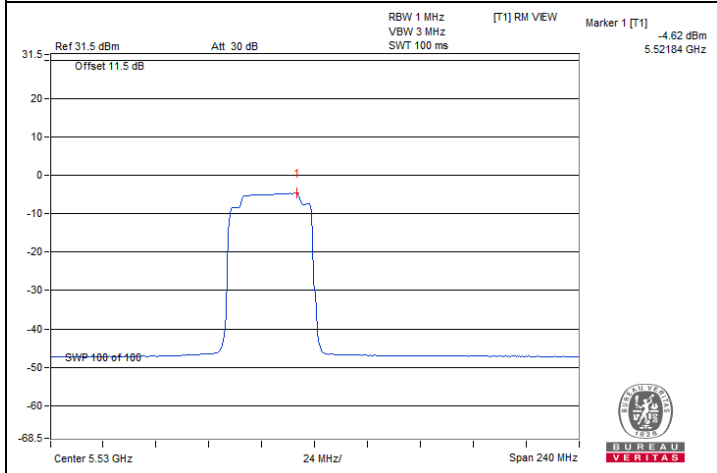
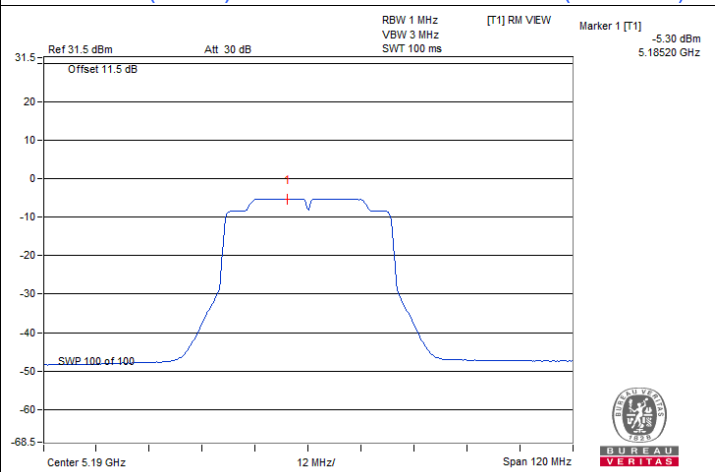
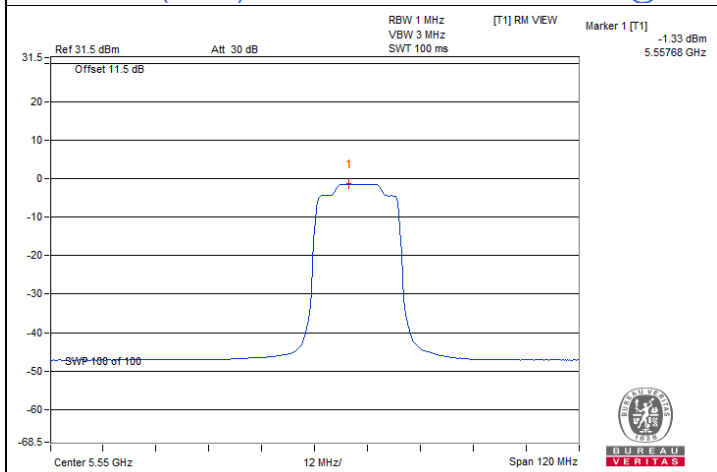
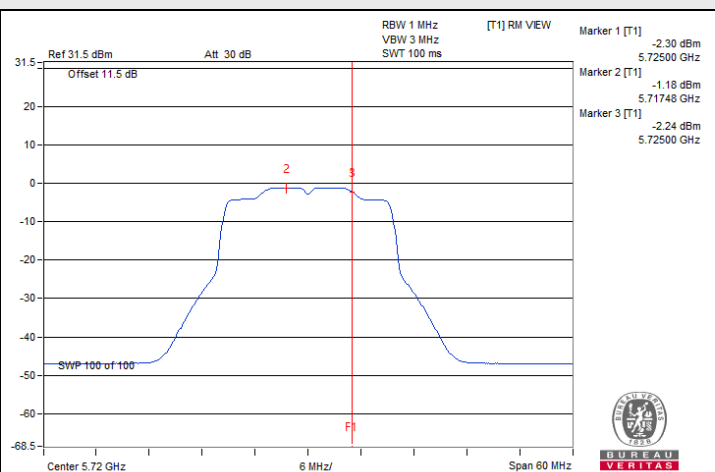
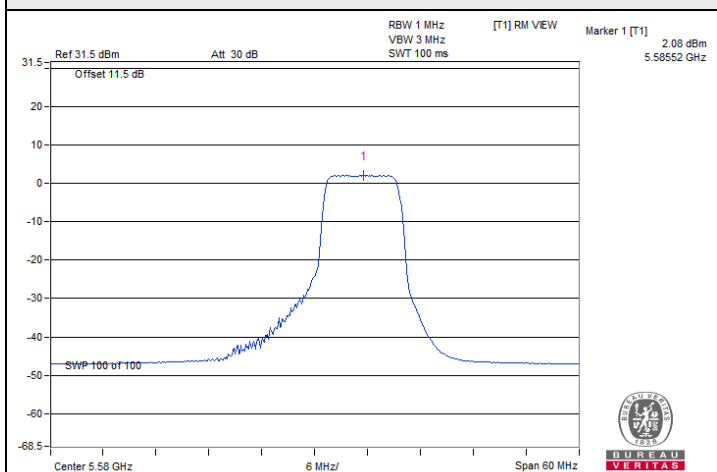
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-21.36	-21.25	-18.29	-16.07	30	Pass
155	5775	-17.64	-17.67	-14.64	-12.42	30	Pass

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 5.93 dBi < 6 dBi, so the power density limit shall not be reduced.



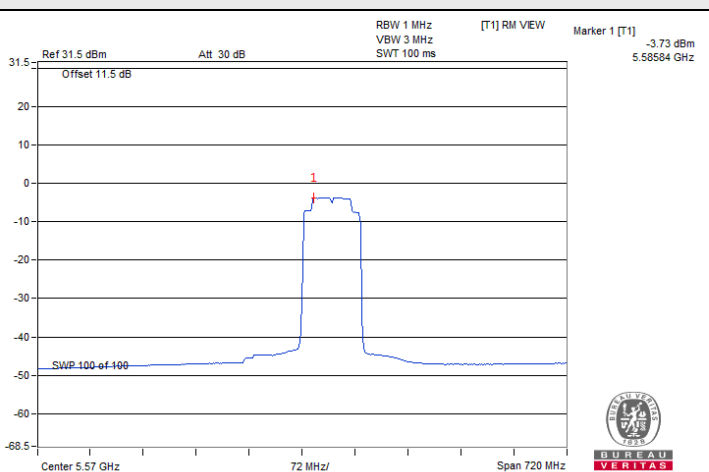
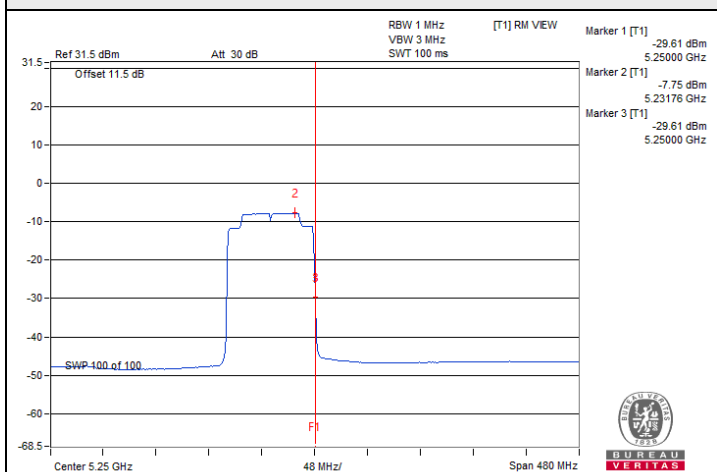
### Spectrum Plot of Maximum Value





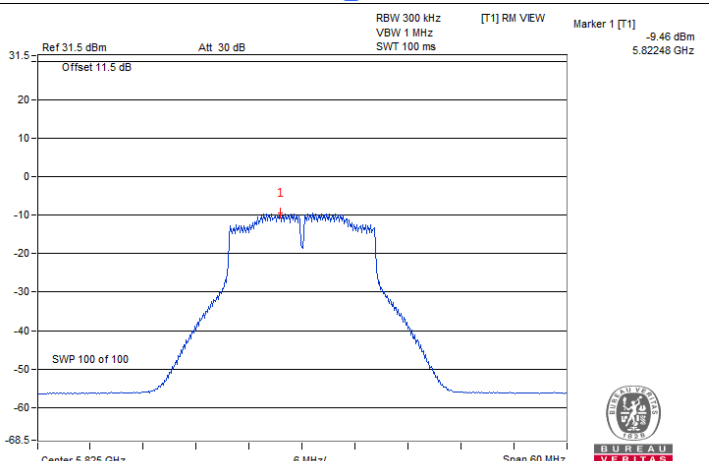
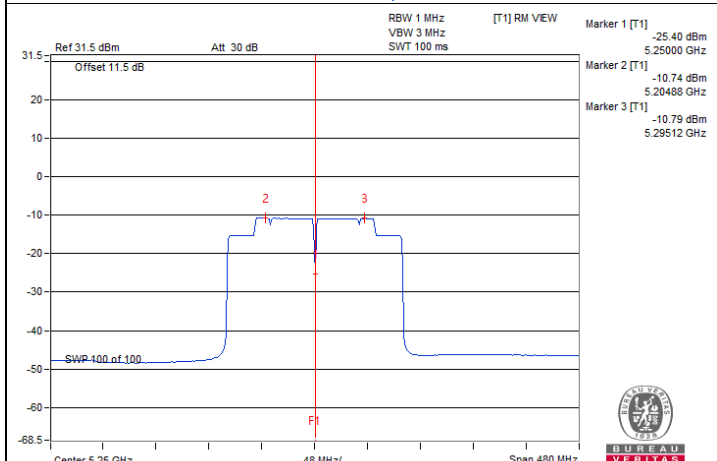


### Spectrum Plot of Maximum Value



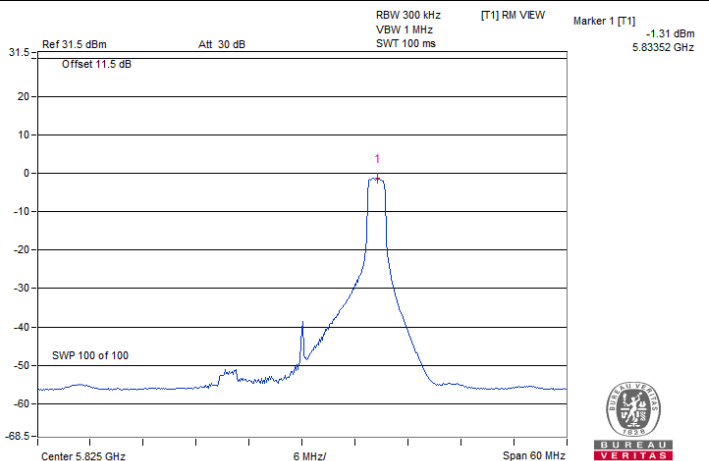
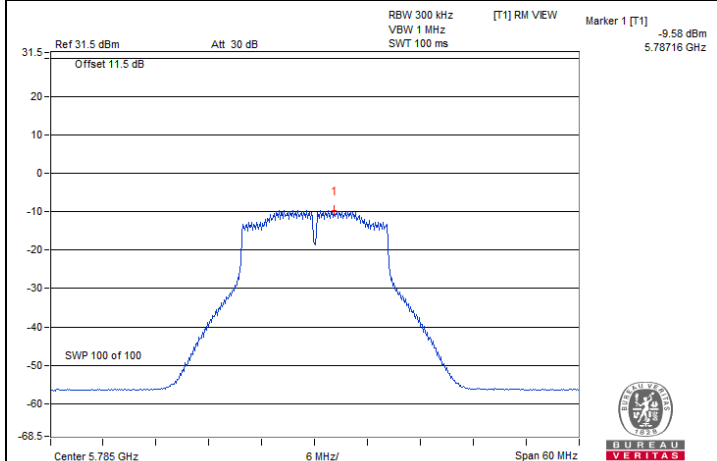
802.11ax (HE160) 996-tone RU / Chain 0 : CH 50@67 (U-NII-1)

802.11ax (HE160) 996-tone RU RU996S / Chain 0 : CH 114@S67



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

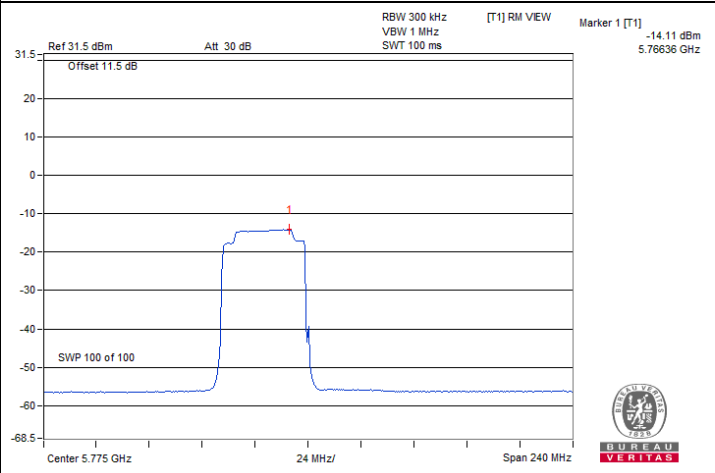
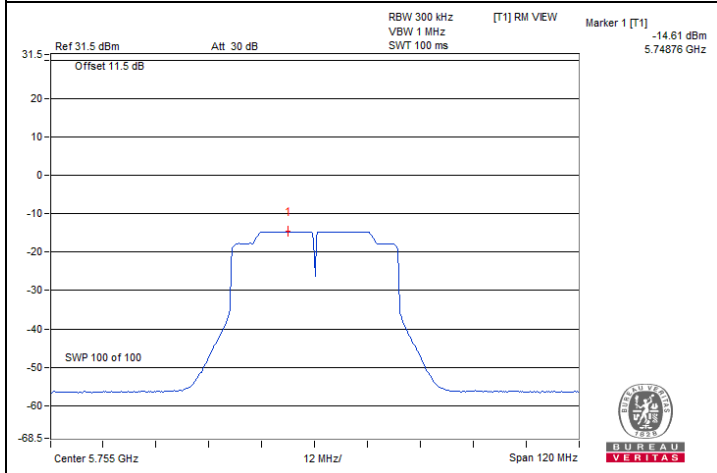
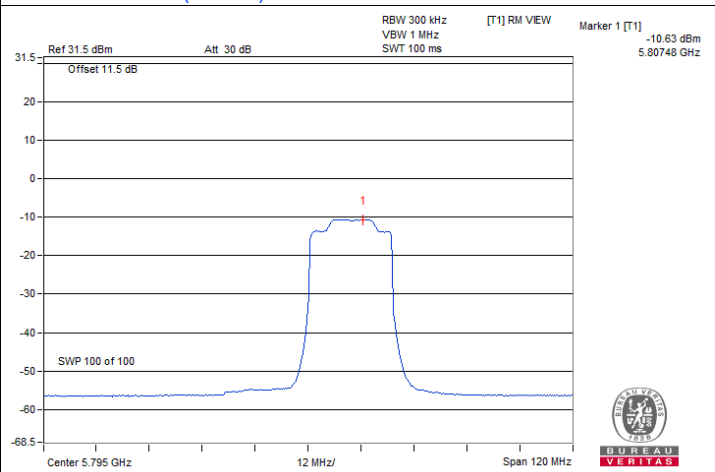
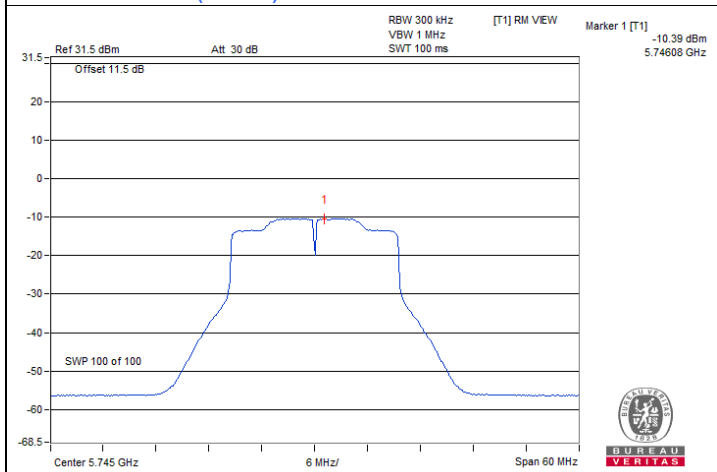
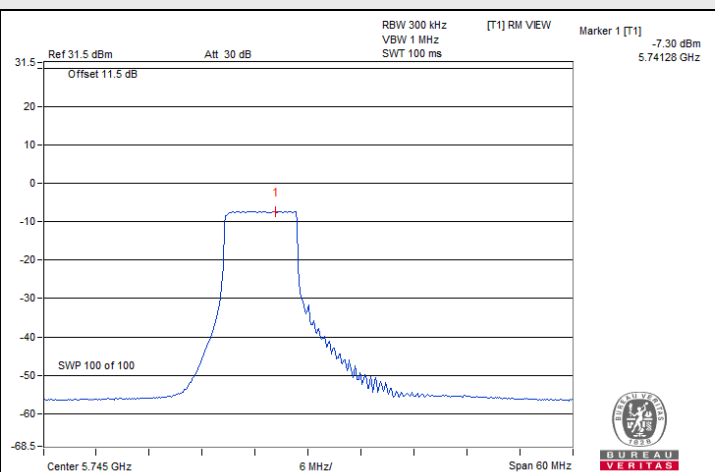
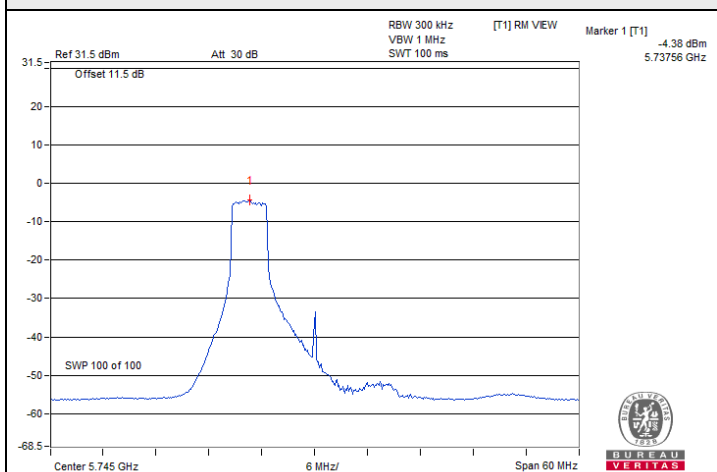
802.11a Chain 0 : CH 165



802.11a Chain 1 : CH 157

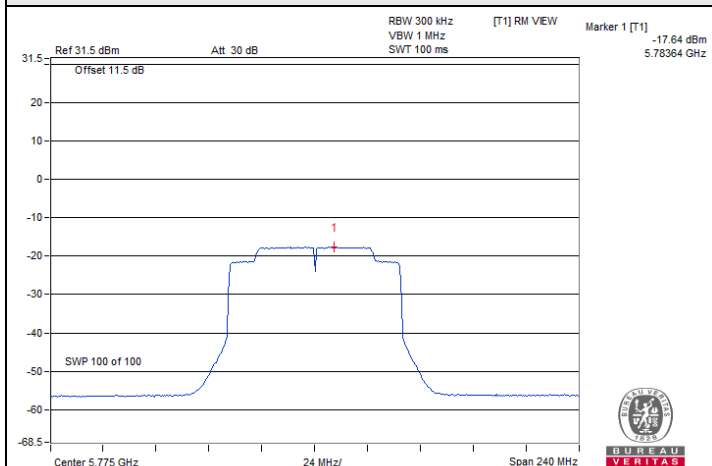
802.11ax (HE20) 26-tone RU / Chain 0 : CH 165

### Spectrum Plot of Maximum Value





### Spectrum Plot of Maximum Value



802.11ax (HE80) Full RU / Chain 0 : CH 155

## 7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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### Chain 0

#### 802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.55	0.5	Pass
149	5745	15.2	0.5	Pass
157	5785	15.19	0.5	Pass
165	5825	15.2	0.5	Pass

### Chain 1

#### 802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.57	0.5	Pass
149	5745	15.19	0.5	Pass
157	5785	15.2	0.5	Pass
165	5825	15.19	0.5	Pass

### MIMO

#### 802.11ax (HE20) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.11	3.95	0.5	Pass
149	5745	17.40	18.32	0.5	Pass
157	5785	17.07	18.15	0.5	Pass
165	5825	17.22	17.10	0.5	Pass

#### 802.11ax (HE40) Full RU

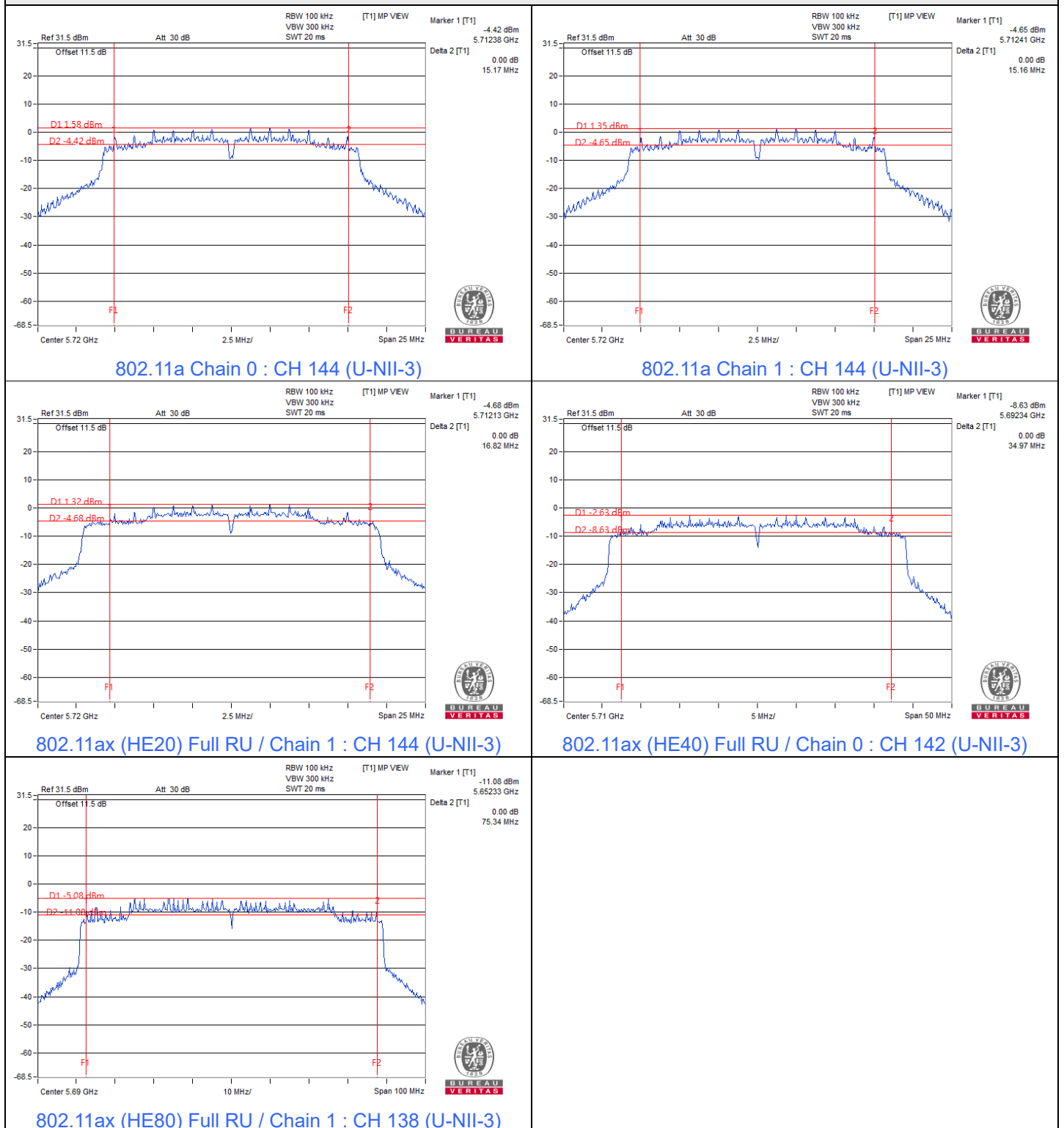
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.31	3.57	0.5	Pass
151	5755	35.13	36.03	0.5	Pass
159	5795	36.14	36.25	0.5	Pass



802.11ax (HE80) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.70	2.67	0.5	Pass
155	5775	75.27	75.25	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, 60% RH	Tested By:	Wayne Lin
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### Chain 0

#### 802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.92
40	5200	16.92
48	5240	16.92
52	5260	16.92
60	5300	16.92
64	5320	16.92
100	5500	16.92
116	5580	16.92
140	5700	16.92
144 (U-NII-2C)	5720	13.52
144 (U-NII-3)	5720	3.4
149	5745	16.92
157	5785	16.92
165	5825	16.92

### Chain 1

#### 802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.92
40	5200	16.92
48	5240	16.92
52	5260	16.92
60	5300	16.92
64	5320	16.92
100	5500	16.92
116	5580	16.92
140	5700	16.92
144 (U-NII-2C)	5720	13.52
144 (U-NII-3)	5720	3.4
149	5745	16.92
157	5785	16.92
165	5825	16.92

## MIMO

### 802.11ax (HE20) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	18.84
40	5200	18.96	19.08
48	5240	18.96	19.08
52	5260	18.96	18.96
60	5300	18.96	19.08
64	5320	18.96	18.84
100	5500	18.96	18.96
116	5580	19.08	19.08
140	5700	19.08	19.08
144 (U-NII-2C)	5720	14.60	14.60
144 (U-NII-3)	5720	4.36	4.48
149	5745	19.08	18.96
157	5785	19.08	18.96
165	5825	19.08	18.96

### 802.11ax (HE40) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.68	37.68
54	5270	37.68	37.68
62	5310	37.68	37.92
102	5510	37.68	37.68
110	5550	37.68	37.92
134	5670	37.68	37.68
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	3.72	3.72
151	5755	37.68	37.68
159	5795	37.68	37.68

**802.11ax (HE80) Full RU**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.32	76.80
58	5290	77.28	76.80
106	5530	76.56	77.28
122	5610	76.80	76.80
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	2.92	2.92
155	5775	76.80	76.32

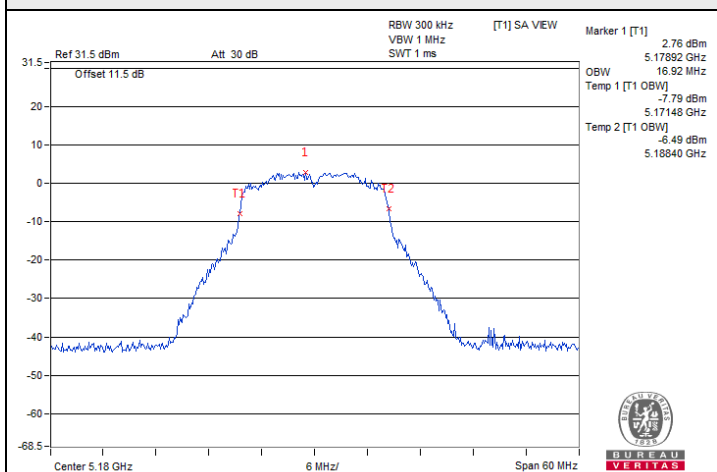
**802.11ax (HE160) Full RU**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	77.76
50 (U-NII-2A)	5250	77.76	76.80
114	5570	155.52	155.52

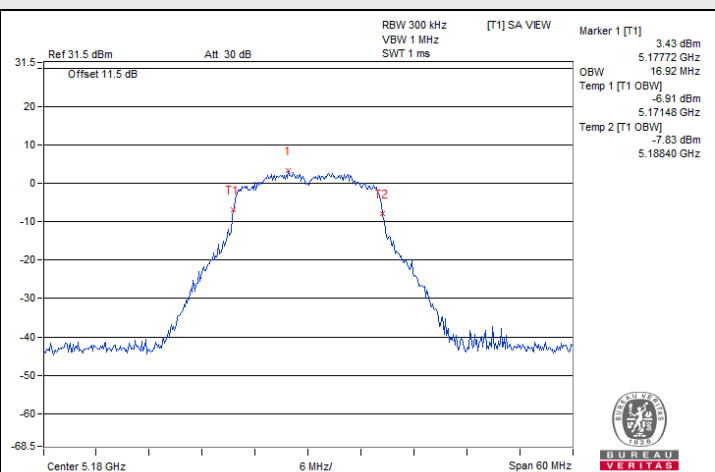




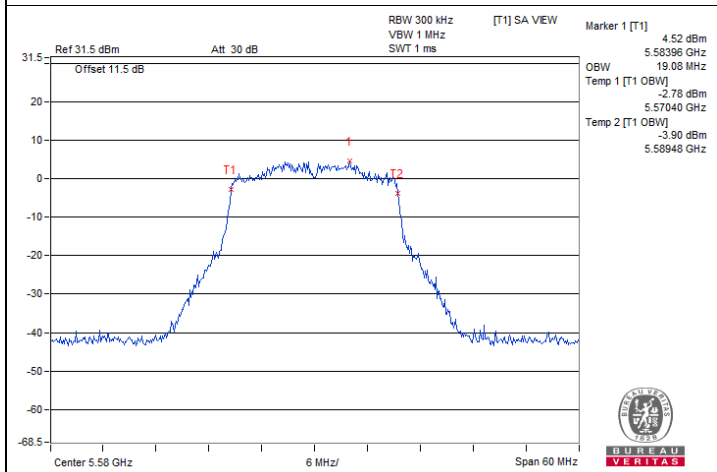
### Spectrum Plot of Maximum Value



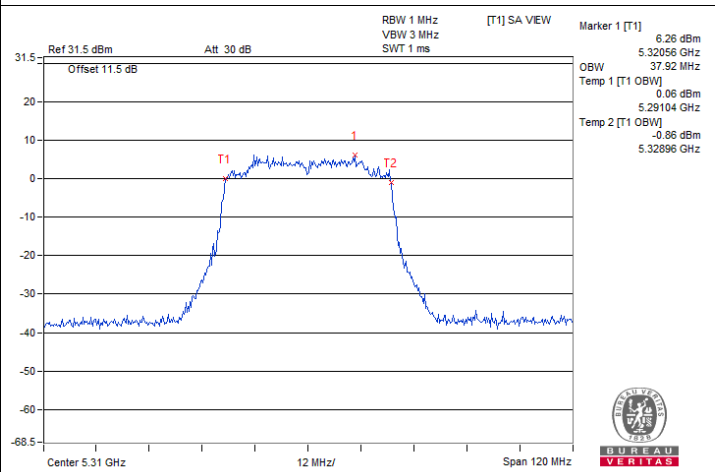
802.11a Chain 0 : CH 36



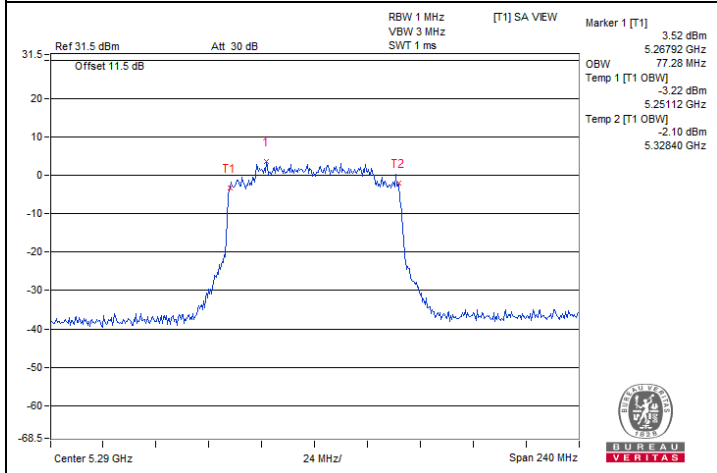
802.11a Chain 1 : CH 36



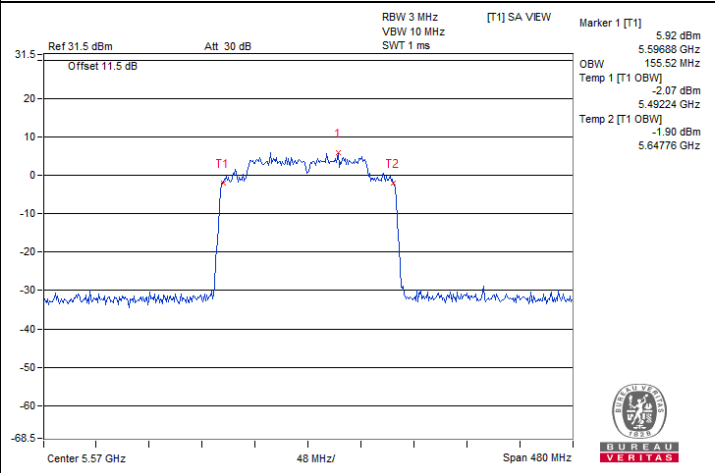
802.11ax (HE20) Full RU / Chain 0 : CH 116



802.11ax (HE40) Full RU / Chain 1 : CH 62

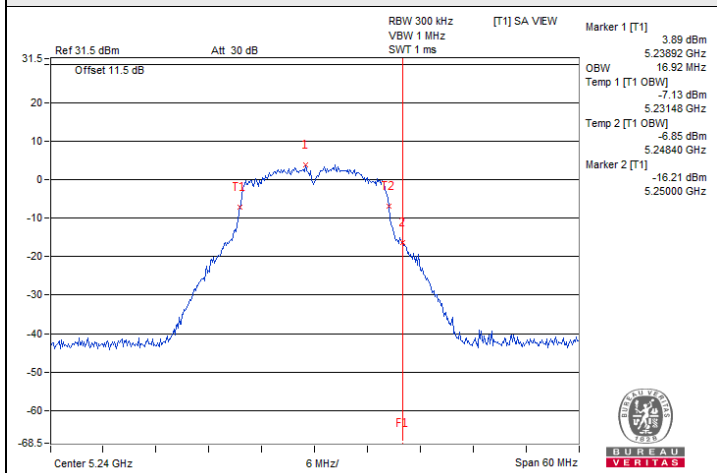


802.11ax (HE80) Full RU / Chain 0 : CH 58

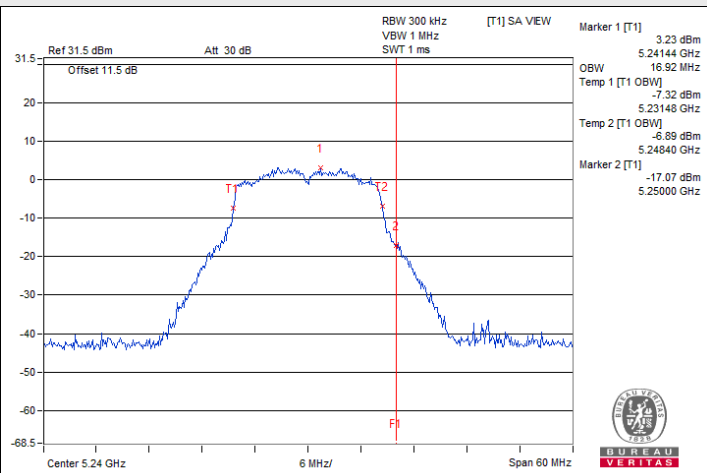


802.11ax (HE160) Full RU / Chain 0 : CH 114

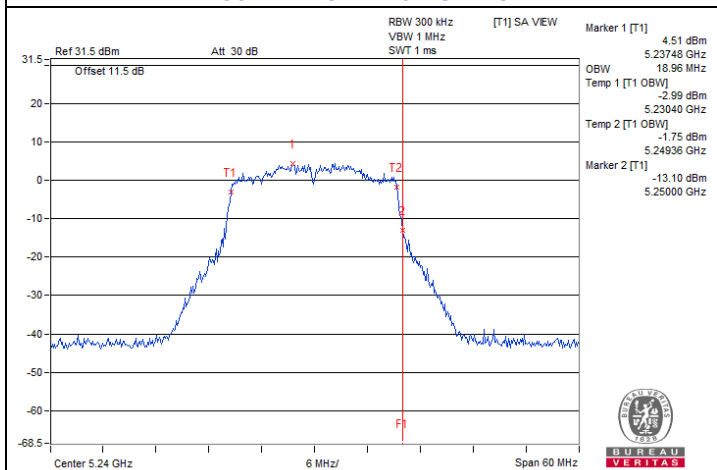
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



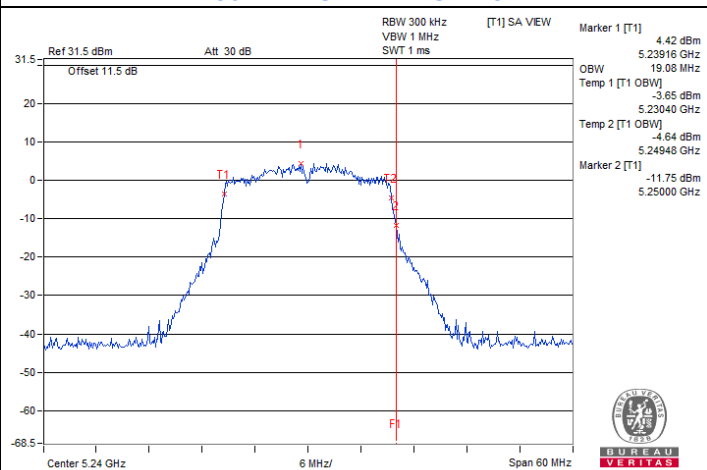
802.11a Chain 0 : CH 48



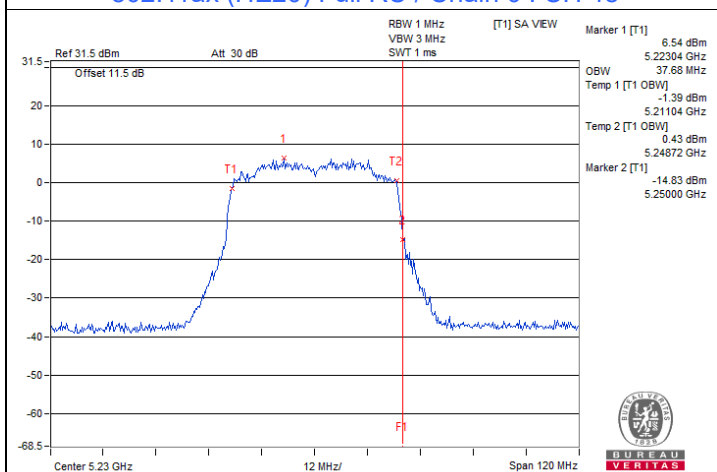
802.11a Chain 1 : CH 48



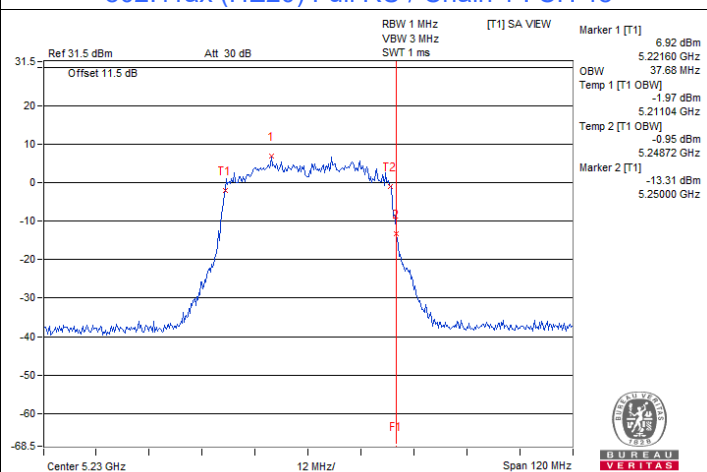
802.11ax (HE20) Full RU / Chain 0 : CH 48



802.11ax (HE20) Full RU / Chain 1 : CH 48

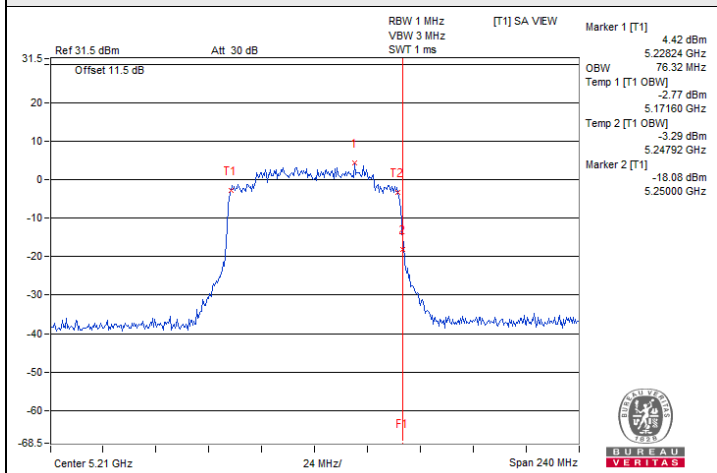


802.11ax (HE40) Full RU / Chain 0 : CH 46

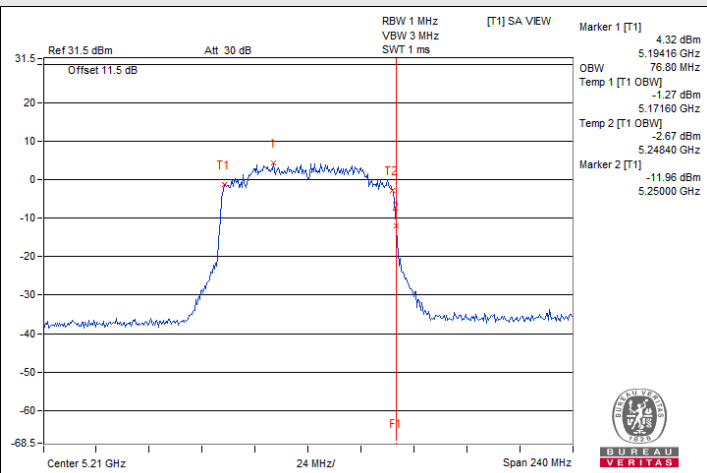


802.11ax (HE40) Full RU / Chain 1 : CH 46

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

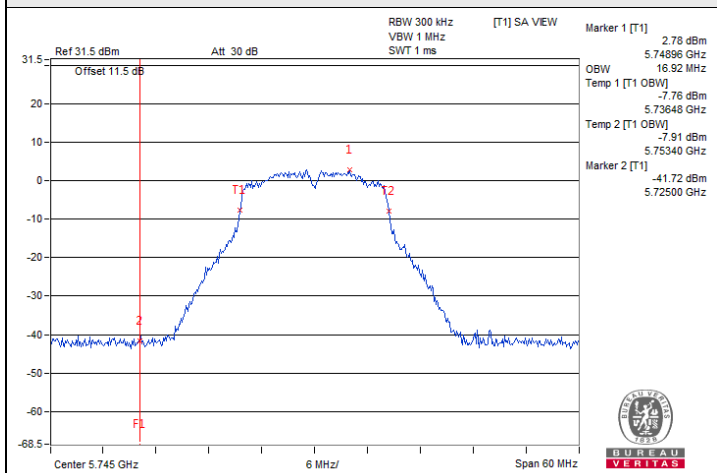


802.11ax (HE80) Full RU / Chain 0 : CH 42

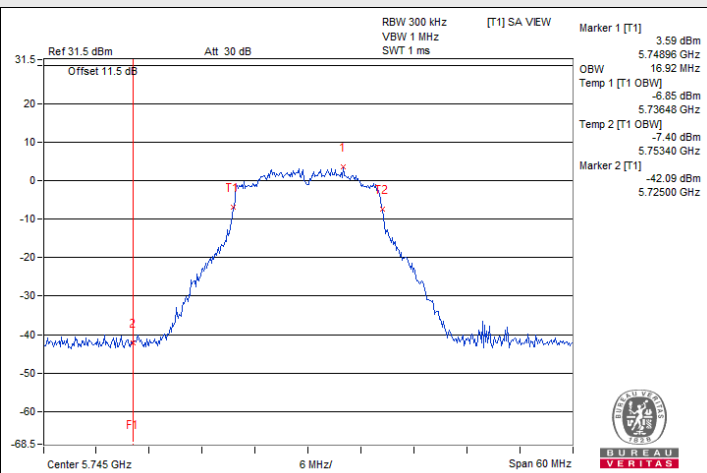


802.11ax (HE80) Full RU / Chain 1 : CH 42

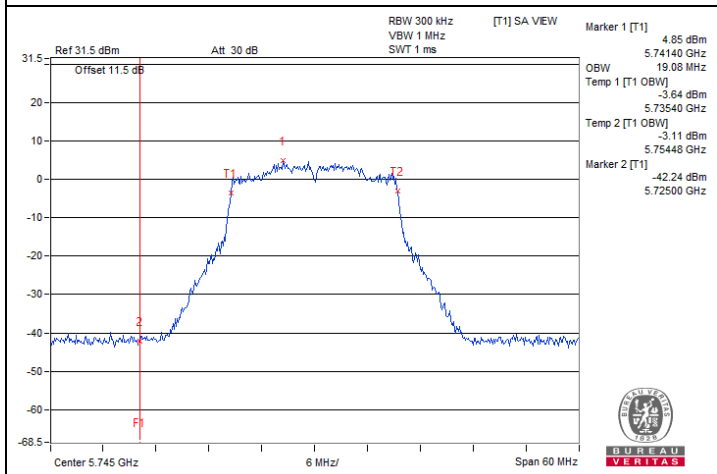
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



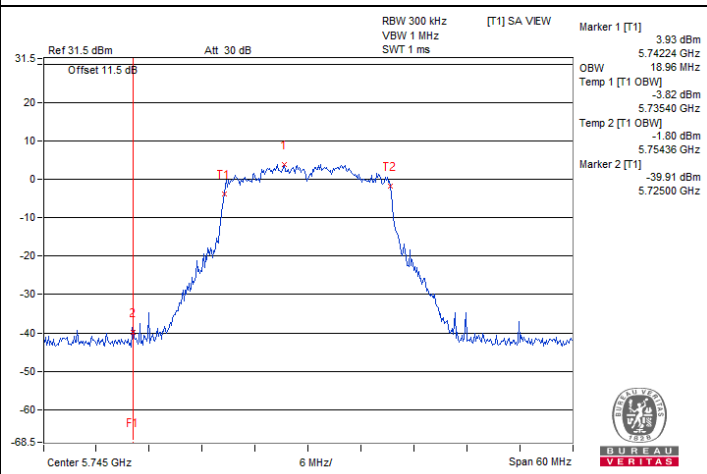
802.11a Chain 0 : CH 149



802.11a Chain 1 : CH 149

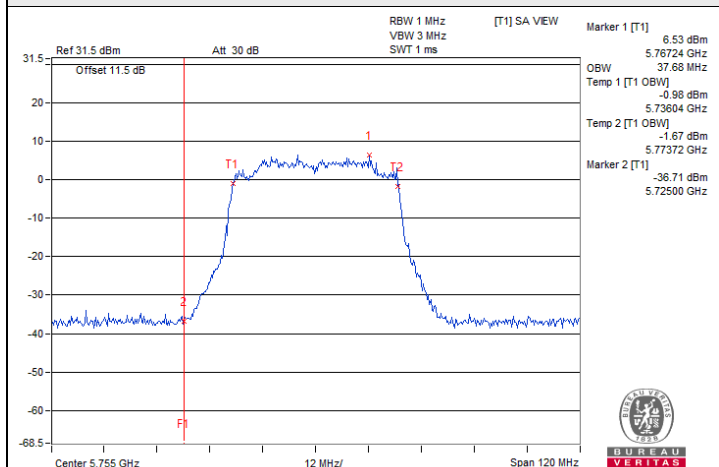
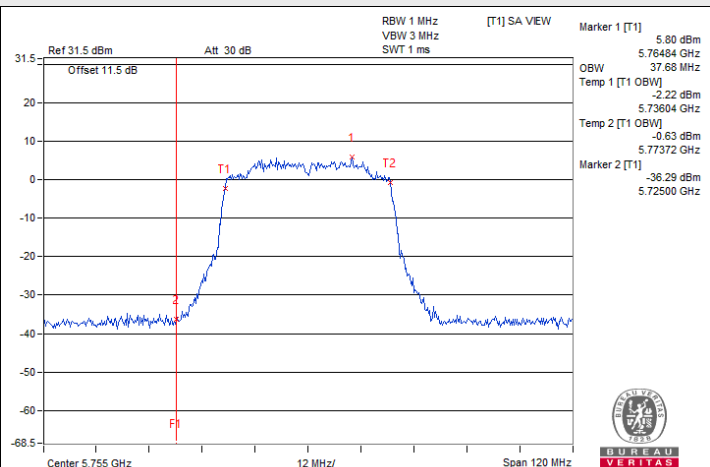
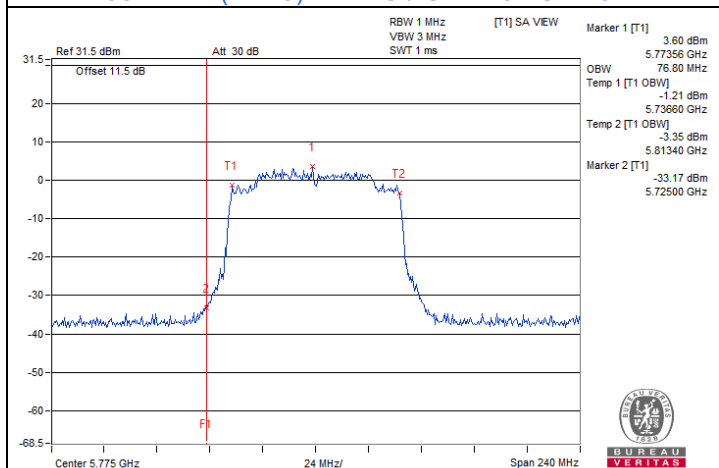
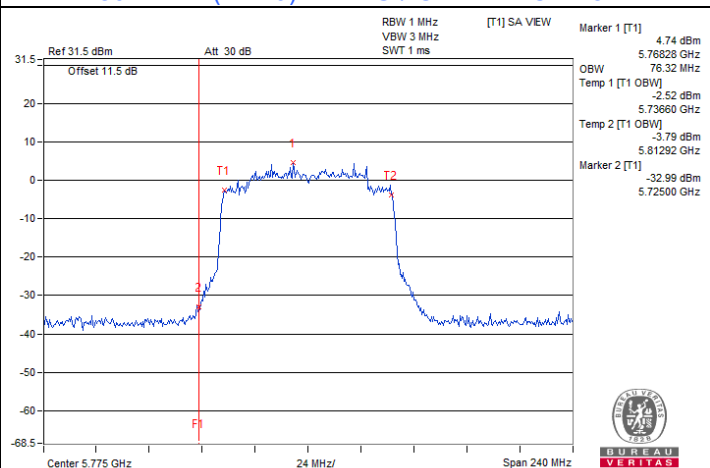


802.11ax (HE20) Full RU / Chain 0 : CH 149



802.11ax (HE20) Full RU / Chain 1 : CH 149

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

**802.11ax (HE40) Full RU / Chain 0 : CH 151****802.11ax (HE40) Full RU / Chain 1 : CH 151****802.11ax (HE80) Full RU / Chain 0 : CH 155****802.11ax (HE80) Full RU / Chain 1 : CH 155**

## 7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
35	120	5180.011	Pass	5180.0112	Pass	5180.0081	Pass	5180.0123	Pass
30	120	5180.0125	Pass	5180.0083	Pass	5180.0118	Pass	5180.0118	Pass
20	120	5180.0182	Pass	5180.0158	Pass	5180.018	Pass	5180.0192	Pass
10	120	5179.9777	Pass	5179.9743	Pass	5179.978	Pass	5179.9792	Pass
0	120	5179.9975	Pass	5179.9972	Pass	5179.9966	Pass	5179.9985	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5180.0172	Pass	5180.0142	Pass	5180.018	Pass	5180.0135	Pass
	120	5180.0182	Pass	5180.0158	Pass	5180.018	Pass	5180.0192	Pass
	102	5180.0067	Pass	5180.007	Pass	5180.0085	Pass	5180.0069	Pass

## 7.7 AC Power Conducted Emissions

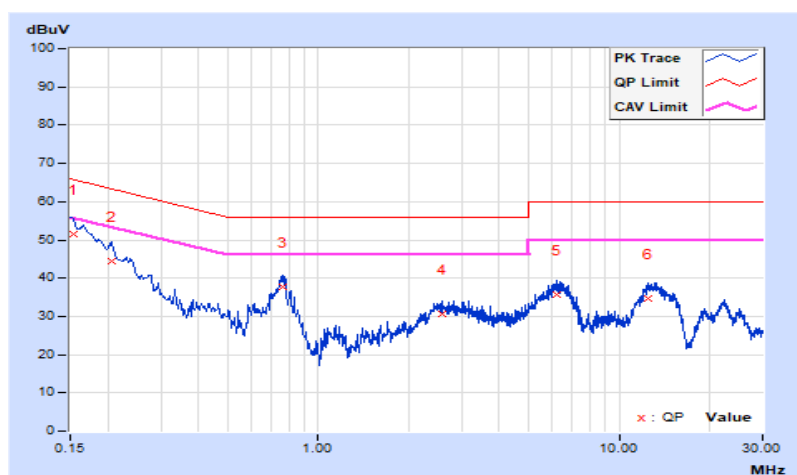
### MIMO

RF Mode	802.11ax (HE160) 996-tone RU RU996S	Channel	CH 50 : 5250 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	23°C, 72% RH
Tested By	Vincent Chen		

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.
<b>1</b>	<b>0.15400</b>	<b>10.37</b>	<b>41.06</b>	<b>28.15</b>	<b>51.43</b>	<b>38.52</b>	<b>65.78</b>	<b>55.78</b>	<b>-14.35</b>	<b>-17.26</b>
2	0.20577	10.40	33.94	22.21	44.34	32.61	63.37	53.37	-19.03	-20.76
3	0.75800	10.52	27.23	20.65	37.75	31.17	56.00	46.00	-18.25	-14.83
4	2.57200	10.58	20.12	14.49	30.70	25.07	56.00	46.00	-25.30	-20.93
5	6.24400	10.69	25.11	19.57	35.80	30.26	60.00	50.00	-24.20	-19.74
6	12.50400	10.79	23.82	18.03	34.61	28.82	60.00	50.00	-25.39	-21.18

#### Remarks:

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

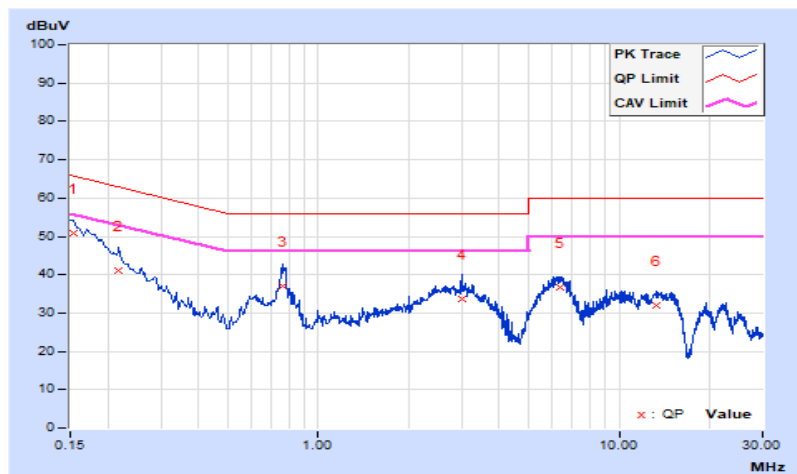


RF Mode	802.11ax (HE160) 996-tone RU RU996S	Channel	CH 50 : 5250 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 72% RH
Tested By	Vincent Chen		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.40	40.53	27.23	50.93	37.63	65.78	55.78	-14.85	-18.15
2	0.21800	10.45	30.66	18.11	41.11	28.56	62.89	52.89	-21.78	-24.33
3	0.76600	10.55	26.51	16.80	37.06	27.35	56.00	46.00	-18.94	-18.65
4	3.00400	10.66	23.10	17.89	33.76	28.55	56.00	46.00	-22.24	-17.45
5	6.34000	10.78	25.97	20.76	36.75	31.54	60.00	50.00	-23.25	-18.46
6	13.28000	10.95	21.10	15.27	32.05	26.22	60.00	50.00	-27.95	-23.78

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



## 7.8 Unwanted Emissions below 1 GHz

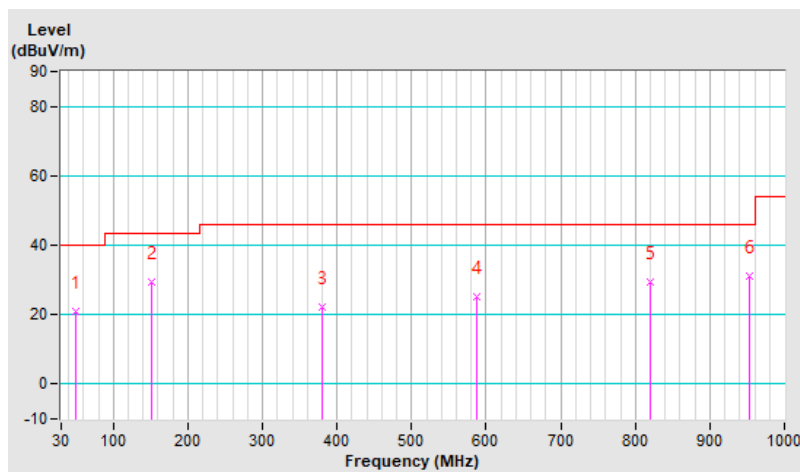
### MIMO

RF Mode	802.11ax (HE160) 996-tone RU RU996S	Channel	CH 50 : 5250 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 65% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	49.40	21.0 QP	40.0	-19.0	2.00 H	68	33.4	-12.4
2	152.22	29.2 QP	43.5	-14.3	2.50 H	18	42.0	-12.8
3	380.17	22.4 QP	46.0	-23.6	2.00 H	2	32.5	-10.1
4	587.75	25.3 QP	46.0	-20.7	2.50 H	106	31.0	-5.7
5	819.58	29.5 QP	46.0	-16.5	1.00 H	109	30.9	-1.4
6	952.47	31.0 QP	46.0	-15.0	1.50 H	120	31.3	-0.3

#### Remarks:

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



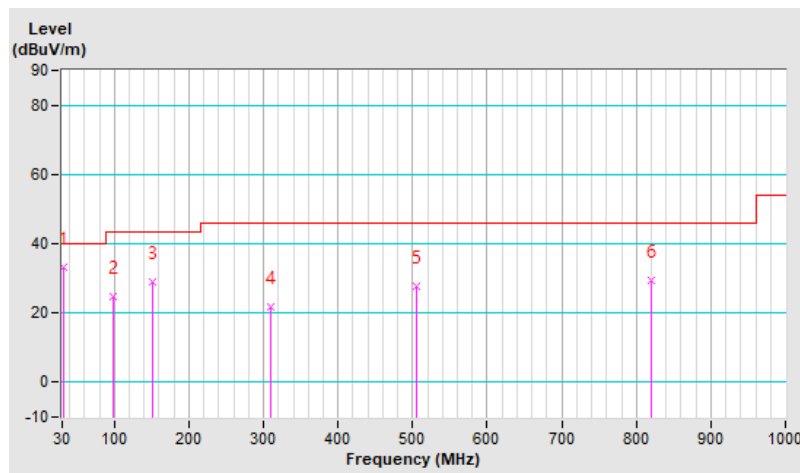


RF Mode	802.11ax (HE160) 996-tone RU RU996S	Channel	CH 50 : 5250 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 65% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	33.2 QP	40.0	-6.8	1.00 V	18	46.3	-13.1
2	97.90	24.7 QP	43.5	-18.8	1.00 V	8	42.1	-17.4
3	152.22	29.1 QP	43.5	-14.4	1.00 V	182	41.9	-12.8
4	310.33	21.6 QP	46.0	-24.4	1.50 V	2	33.2	-11.6
5	504.33	27.8 QP	46.0	-18.2	1.50 V	38	34.7	-6.9
6	819.58	29.6 QP	46.0	-16.4	1.00 V	18	31.0	-1.4

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.



## 7.9 Unwanted Emissions above 1 GHz

### Chain 0

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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.3 PK	74.0	-5.7	1.31 H	269	65.0	3.3
2	5150.00	50.4 AV	54.0	-3.6	1.31 H	269	47.1	3.3
3	*5180.00	110.1 PK			1.31 H	269	69.2	40.9
4	*5180.00	100.3 AV			1.31 H	269	59.4	40.9
5	#10360.00	56.0 PK	68.2	-12.2	1.65 H	42	47.5	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.1 PK	74.0	-3.9	1.41 V	181	66.8	3.3
2	5150.00	53.3 AV	54.0	-0.7	1.41 V	181	50.0	3.3
3	*5180.00	112.9 PK			1.41 V	181	72.0	40.9
4	*5180.00	102.8 AV			1.41 V	181	61.9	40.9
5	#10360.00	56.7 PK	68.2	-11.5	1.55 V	35	48.2	8.5

#### Remarks:

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	111.7 PK			1.25 H	272	70.8	40.9
2	*5200.00	101.7 AV			1.25 H	272	60.8	40.9
3	#10400.00	56.0 PK	68.2	-12.2	1.69 H	45	47.6	8.4
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	*5200.00	114.3 PK			1.48 V	180	73.4	40.9
2	*5200.00	103.9 AV			1.48 V	180	63.0	40.9
3	#10400.00	56.9 PK	68.2	-11.3	1.52 V	32	48.5	8.4

Remarks:

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.3 PK	74.0	-15.7	1.26 H	273	55.0	3.3
2	5150.00	45.7 AV	54.0	-8.3	1.26 H	273	42.4	3.3
3	*5240.00	111.0 PK			1.26 H	273	70.2	40.8
4	*5240.00	101.4 AV			1.26 H	273	60.6	40.8
5	#10480.00	56.0 PK	68.2	-12.2	1.66 H	43	47.7	8.3

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	59.7 PK	74.0	-14.3	1.37 V	180	56.4	3.3
2	5150.00	45.9 AV	54.0	-8.1	1.37 V	180	42.6	3.3
3	*5240.00	114.6 PK			1.37 V	180	73.8	40.8
4	*5240.00	104.7 AV			1.37 V	180	63.9	40.8
5	#10480.00	56.7 PK	68.2	-11.5	1.57 V	32	48.4	8.3

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	1.29 H	277	55.6	3.3
2	5150.00	45.5 AV	54.0	-8.5	1.29 H	277	42.2	3.3
3	*5260.00	111.7 PK			1.29 H	277	71.0	40.7
4	*5260.00	101.7 AV			1.29 H	277	61.0	40.7
5	#10520.00	56.0 PK	68.2	-12.2	1.68 H	45	47.7	8.3

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	58.9 PK	74.0	-15.1	1.32 V	180	55.6	3.3
2	5150.00	45.7 AV	54.0	-8.3	1.32 V	180	42.4	3.3
3	*5260.00	114.7 PK			1.32 V	180	74.0	40.7
4	*5260.00	104.7 AV			1.32 V	180	64.0	40.7
5	#10520.00	56.5 PK	68.2	-11.7	1.55 V	36	48.2	8.3

**Remarks:**

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	111.2 PK			1.25 H	272	70.5	40.7
2	*5300.00	101.0 AV			1.25 H	272	60.3	40.7
3	10600.00	56.7 PK	74.0	-17.3	1.66 H	54	47.7	9.0
4	10600.00	43.5 AV	54.0	-10.5	1.66 H	54	34.5	9.0
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	*5300.00	114.6 PK			1.40 V	179	73.9	40.7
2	*5300.00	104.5 AV			1.40 V	179	63.8	40.7
3	10600.00	57.2 PK	74.0	-16.8	1.55 V	46	48.2	9.0
4	10600.00	43.8 AV	54.0	-10.2	1.55 V	46	34.8	9.0

Remarks:

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	109.8 PK			1.35 H	271	69.0	40.8
2	*5320.00	100.0 AV			1.35 H	271	59.2	40.8
3	5350.00	66.5 PK	74.0	-7.5	1.35 H	271	63.5	3.0
4	5350.00	50.2 AV	54.0	-3.8	1.35 H	271	47.2	3.0
5	10640.00	56.4 PK	74.0	-17.6	1.62 H	55	47.6	8.8
6	10640.00	43.3 AV	54.0	-10.7	1.62 H	55	34.5	8.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.6 PK			1.38 V	180	72.8	40.8
2	*5320.00	103.7 AV			1.38 V	180	62.9	40.8
3	5350.00	70.4 PK	74.0	-3.6	1.38 V	180	67.4	3.0
4	5350.00	53.5 AV	54.0	-0.5	1.38 V	180	50.5	3.0
5	10640.00	57.0 PK	74.0	-17.0	1.59 V	49	48.2	8.8
6	10640.00	43.6 AV	54.0	-10.4	1.59 V	49	34.8	8.8

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.

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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.6 PK	74.0	-13.4	1.20 H	191	57.5	3.1
2	5460.00	46.6 AV	54.0	-7.4	1.20 H	191	43.5	3.1
3	#5470.00	65.2 PK	68.2	-3.0	1.20 H	191	62.0	3.2
4	*5500.00	109.4 PK			1.20 H	191	68.4	41.0
5	*5500.00	99.2 AV			1.20 H	191	58.2	41.0
6	11000.00	56.6 PK	74.0	-17.4	1.59 H	59	47.5	9.1
7	11000.00	43.6 AV	54.0	-10.4	1.59 H	59	34.5	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	1.38 V	180	57.6	3.1
2	5460.00	46.9 AV	54.0	-7.1	1.38 V	180	43.8	3.1
3	#5470.00	67.7 PK	68.2	-0.5	1.38 V	180	64.5	3.2
4	*5500.00	110.5 PK			1.38 V	180	69.5	41.0
5	*5500.00	100.8 AV			1.38 V	180	59.8	41.0
6	11000.00	57.1 PK	74.0	-16.9	1.62 V	45	48.0	9.1
7	11000.00	43.8 AV	54.0	-10.2	1.62 V	45	34.7	9.1

**Remarks:**

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





RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	110.2 PK			1.45 H	191	68.8	41.4
2	*5580.00	100.3 AV			1.45 H	191	58.9	41.4
3	11160.00	56.6 PK	74.0	-17.4	1.58 H	57	47.7	8.9
4	11160.00	43.5 AV	54.0	-10.5	1.58 H	57	34.6	8.9

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	*5580.00	113.2 PK			1.40 V	179	71.8	41.4
2	*5580.00	103.0 AV			1.40 V	179	61.6	41.4
3	11160.00	57.1 PK	74.0	-16.9	1.65 V	42	48.2	8.9
4	11160.00	43.7 AV	54.0	-10.3	1.65 V	42	34.8	8.9

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.



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	23°C, 66% RH
Tested By	Titan Hsu		

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	108.1 PK			1.42 H	170	66.0	42.1
2	*5700.00	98.1 AV			1.42 H	170	56.0	42.1
3	#5725.00	65.6 PK	68.2	-2.6	1.42 H	170	60.8	4.8
4	11400.00	57.3 PK	74.0	-16.7	1.52 H	55	47.6	9.7
5	11400.00	44.2 AV	54.0	-9.8	1.52 H	55	34.5	9.7

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	112.6 PK			1.24 V	179	70.5	42.1
2	*5700.00	102.1 AV			1.24 V	179	60.0	42.1
3	#5725.00	67.5 PK	68.2	-0.7	1.24 V	179	62.7	4.8
4	11400.00	57.8 PK	74.0	-16.2	1.65 V	49	48.1	9.7
5	11400.00	44.4 AV	54.0	-9.6	1.65 V	49	34.7	9.7

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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.6 PK	68.2	-9.6	1.24 H	170	55.4	3.2
2	*5720.00	111.3 PK			1.24 H	170	69.1	42.2
3	*5720.00	100.8 AV			1.24 H	170	58.6	42.2
4	#5850.00	60.1 PK	68.2	-8.1	1.24 H	170	55.0	5.1
5	11440.00	57.3 PK	74.0	-16.7	1.55 H	55	47.7	9.6
6	11440.00	44.2 AV	54.0	-9.8	1.55 H	55	34.6	9.6

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	59.2 PK	68.2	-9.0	1.24 V	161	56.0	3.2
2	*5720.00	114.8 PK			1.24 V	161	72.6	42.2
3	*5720.00	104.5 AV			1.24 V	161	62.3	42.2
4	#5850.00	60.6 PK	68.2	-7.6	1.24 V	161	55.5	5.1
5	11440.00	57.8 PK	74.0	-16.2	1.62 V	48	48.2	9.6
6	11440.00	44.4 AV	54.0	-9.6	1.62 V	48	34.8	9.6

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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.80	58.3 PK	68.2	-9.9	1.23 H	183	54.0	4.3
2	*5745.00	109.3 PK			1.23 H	183	66.9	42.4
3	*5745.00	99.6 AV			1.23 H	183	57.2	42.4
4	#5964.80	59.2 PK	68.2	-9.0	1.23 H	183	54.3	4.9
5	11490.00	58.1 PK	74.0	-15.9	1.95 H	52	48.5	9.6
6	11490.00	45.8 AV	54.0	-8.2	1.95 H	52	36.2	9.6

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	#5601.20	59.2 PK	68.2	-9.0	1.31 V	161	55.1	4.1
2	*5745.00	114.7 PK			1.31 V	161	72.3	42.4
3	*5745.00	104.8 AV			1.31 V	161	62.4	42.4
4	#5956.80	59.7 PK	68.2	-8.5	1.31 V	161	54.8	4.9
5	11490.00	59.6 PK	74.0	-14.4	2.05 V	32	50.0	9.6
6	11490.00	46.8 AV	54.0	-7.2	2.05 V	32	37.2	9.6

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	23°C, 66% RH
Tested By	Titan Hsu		

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	#5632.80	58.5 PK	68.2	-9.7	1.10 H	184	54.3	4.2
2	*5785.00	109.9 PK			1.10 H	184	67.5	42.4
3	*5785.00	99.3 AV			1.10 H	184	56.9	42.4
4	#5932.00	59.1 PK	68.2	-9.1	1.10 H	184	54.1	5.0
5	11570.00	57.7 PK	74.0	-16.3	1.95 H	45	48.2	9.5
6	11570.00	45.3 AV	54.0	-8.7	1.95 H	45	35.8	9.5
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	#5626.80	59.1 PK	68.2	-9.1	1.30 V	161	54.9	4.2
2	*5785.00	114.6 PK			1.30 V	161	72.2	42.4
3	*5785.00	104.7 AV			1.30 V	161	62.3	42.4
4	#5930.40	59.1 PK	68.2	-9.1	1.30 V	161	54.1	5.0
5	11570.00	59.0 PK	74.0	-15.0	2.02 V	32	49.5	9.5
6	11570.00	46.3 AV	54.0	-7.7	2.02 V	32	36.8	9.5

**Remarks:**

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

RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	#5624.00	58.9 PK	68.2	-9.3	1.01 H	183	54.7	4.2
2	*5825.00	110.2 PK			1.01 H	183	67.6	42.6
3	*5825.00	100.2 AV			1.01 H	183	57.6	42.6
4	#5928.00	59.5 PK	68.2	-8.7	1.01 H	183	54.5	5.0
5	11650.00	56.9 PK	74.0	-17.1	1.95 H	55	47.5	9.4
6	11650.00	44.4 AV	54.0	-9.6	1.95 H	55	35.0	9.4
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	#5632.40	59.1 PK	68.2	-9.1	1.22 V	167	54.9	4.2
2	*5825.00	114.9 PK			1.22 V	167	72.3	42.6
3	*5825.00	104.9 AV			1.22 V	167	62.3	42.6
4	#5963.60	58.8 PK	68.2	-9.4	1.22 V	167	53.9	4.9
5	11650.00	57.6 PK	74.0	-16.4	2.05 V	35	48.2	9.4
6	11650.00	44.8 AV	54.0	-9.2	2.05 V	35	35.4	9.4

**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.

### Chain 1

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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.5 PK	74.0	-5.5	1.30 H	186	65.2	3.3
2	5150.00	51.3 AV	54.0	-2.7	1.30 H	186	48.0	3.3
3	*5180.00	108.8 PK			1.30 H	186	67.9	40.9
4	*5180.00	99.3 AV			1.30 H	186	58.4	40.9
5	#10360.00	55.5 PK	68.2	-12.7	1.68 H	48	47.0	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	71.5 PK	74.0	-2.5	1.50 V	164	68.2	3.3
2	5150.00	53.3 AV	54.0	-0.7	1.50 V	164	50.0	3.3
3	*5180.00	111.3 PK			1.50 V	164	70.4	40.9
4	*5180.00	100.9 AV			1.50 V	164	60.0	40.9
5	#10360.00	56.5 PK	68.2	-11.7	1.54 V	23	48.0	8.5

#### Remarks:

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	111.0 PK			1.28 H	171	70.1	40.9
2	*5200.00	100.9 AV			1.28 H	171	60.0	40.9
3	#10400.00	55.6 PK	68.2	-12.6	1.65 H	45	47.2	8.4
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	*5200.00	114.1 PK			1.39 V	172	73.2	40.9
2	*5200.00	103.6 AV			1.39 V	172	62.7	40.9
3	#10400.00	56.6 PK	68.2	-11.6	1.55 V	22	48.2	8.4

## Remarks:

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





RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.1 PK	74.0	-15.9	1.12 H	170	54.8	3.3
2	5150.00	45.6 AV	54.0	-8.4	1.12 H	170	42.3	3.3
3	*5240.00	111.6 PK			1.12 H	170	70.8	40.8
4	*5240.00	101.4 AV			1.12 H	170	60.6	40.8
5	#10480.00	55.7 PK	68.2	-12.5	1.69 H	49	47.4	8.3

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	58.9 PK	74.0	-15.1	1.34 V	172	55.6	3.3
2	5150.00	45.9 AV	54.0	-8.1	1.34 V	172	42.6	3.3
3	*5240.00	113.8 PK			1.34 V	172	73.0	40.8
4	*5240.00	104.1 AV			1.34 V	172	63.3	40.8
5	#10480.00	56.6 PK	68.2	-11.6	1.58 V	26	48.3	8.3

Remarks:

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



RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.3 PK	74.0	-15.7	1.32 H	186	55.0	3.3
2	5150.00	45.7 AV	54.0	-8.3	1.32 H	186	42.4	3.3
3	*5260.00	111.7 PK			1.32 H	186	71.0	40.7
4	*5260.00	101.6 AV			1.32 H	186	60.9	40.7
5	#10520.00	55.8 PK	68.2	-12.4	1.62 H	45	47.5	8.3

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	58.8 PK	74.0	-15.2	1.45 V	172	55.5	3.3
2	5150.00	46.0 AV	54.0	-8.0	1.45 V	172	42.7	3.3
3	*5260.00	114.0 PK			1.45 V	172	73.3	40.7
4	*5260.00	103.8 AV			1.45 V	172	63.1	40.7
5	#10520.00	56.5 PK	68.2	-11.7	1.55 V	22	48.2	8.3

Remarks:

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	112.2 PK			1.29 H	171	71.5	40.7
2	*5300.00	102.0 AV			1.29 H	171	61.3	40.7
3	10600.00	56.6 PK	74.0	-17.4	1.65 H	55	47.6	9.0
4	10600.00	43.5 AV	54.0	-10.5	1.65 H	55	34.5	9.0

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	*5300.00	114.8 PK			1.42 V	173	74.1	40.7
2	*5300.00	104.9 AV			1.42 V	173	64.2	40.7
3	10600.00	57.0 PK	74.0	-17.0	1.59 V	45	48.0	9.0
4	10600.00	43.8 AV	54.0	-10.2	1.59 V	45	34.8	9.0

Remarks:

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	110.4 PK			1.38 H	171	69.6	40.8
2	*5320.00	100.2 AV			1.38 H	171	59.4	40.8
3	5350.00	65.7 PK	74.0	-8.3	1.38 H	171	62.7	3.0
4	5350.00	50.3 AV	54.0	-3.7	1.38 H	171	47.3	3.0
5	10640.00	56.5 PK	74.0	-17.5	1.61 H	52	47.7	8.8
6	10640.00	43.4 AV	54.0	-10.6	1.61 H	52	34.6	8.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.4 PK			1.34 V	174	72.6	40.8
2	*5320.00	103.3 AV			1.34 V	174	62.5	40.8
3	5350.00	67.5 PK	74.0	-6.5	1.34 V	174	64.5	3.0
4	5350.00	53.5 AV	54.0	-0.5	1.34 V	174	50.5	3.0
5	10640.00	56.8 PK	74.0	-17.2	1.62 V	45	48.0	8.8
6	10640.00	43.7 AV	54.0	-10.3	1.62 V	45	34.9	8.8

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.

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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.3 PK	74.0	-15.7	1.04 H	194	55.2	3.1
2	5460.00	46.3 AV	54.0	-7.7	1.04 H	194	43.2	3.1
3	#5470.00	62.2 PK	68.2	-6.0	1.04 H	194	59.0	3.2
4	*5500.00	107.0 PK			1.04 H	194	66.0	41.0
5	*5500.00	96.6 AV			1.04 H	194	55.6	41.0
6	11000.00	56.8 PK	74.0	-17.2	1.67 H	55	47.7	9.1
7	11000.00	43.6 AV	54.0	-10.4	1.67 H	55	34.5	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.7 PK	74.0	-14.3	1.52 V	171	56.6	3.1
2	5460.00	46.6 AV	54.0	-7.4	1.52 V	171	43.5	3.1
3	#5470.00	67.9 PK	68.2	-0.3	1.52 V	171	64.7	3.2
4	*5500.00	113.0 PK			1.52 V	171	72.0	41.0
5	*5500.00	103.1 AV			1.52 V	171	62.1	41.0
6	11000.00	57.1 PK	74.0	-16.9	1.55 V	48	48.0	9.1
7	11000.00	43.8 AV	54.0	-10.2	1.55 V	48	34.7	9.1

**Remarks:**

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	110.3 PK			1.17 H	193	68.9	41.4
2	*5580.00	100.3 AV			1.17 H	193	58.9	41.4
3	11160.00	56.7 PK	74.0	-17.3	1.69 H	58	47.8	8.9
4	11160.00	43.5 AV	54.0	-10.5	1.69 H	58	34.6	8.9

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	*5580.00	115.9 PK			1.37 V	172	74.5	41.4
2	*5580.00	105.9 AV			1.37 V	172	64.5	41.4
3	11160.00	57.1 PK	74.0	-16.9	1.55 V	48	48.2	8.9
4	11160.00	43.8 AV	54.0	-10.2	1.55 V	48	34.9	8.9

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.



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	23°C, 66% RH
Tested By	Titan Hsu		

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	107.6 PK			1.16 H	194	65.5	42.1
2	*5700.00	97.3 AV			1.16 H	194	55.2	42.1
3	#5725.00	62.8 PK	68.2	-5.4	1.16 H	194	58.0	4.8
4	11400.00	57.4 PK	74.0	-16.6	1.65 H	55	47.7	9.7
5	11400.00	44.2 AV	54.0	-9.8	1.65 H	55	34.5	9.7

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	113.4 PK			1.25 V	172	71.3	42.1
2	*5700.00	102.5 AV			1.25 V	172	60.4	42.1
3	#5725.00	67.5 PK	68.2	-0.7	1.25 V	172	62.7	4.8
4	11400.00	57.7 PK	74.0	-16.3	1.58 V	49	48.0	9.7
5	11400.00	44.4 AV	54.0	-9.6	1.58 V	49	34.7	9.7

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	23°C, 66% RH
Tested By	Titan Hsu		

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	59.2 PK	68.2	-9.0	1.11 H	193	56.0	3.2
2	*5720.00	110.7 PK			1.11 H	193	68.5	42.2
3	*5720.00	100.7 AV			1.11 H	193	58.5	42.2
4	#5850.00	60.3 PK	68.2	-7.9	1.11 H	193	55.2	5.1
5	11440.00	57.4 PK	74.0	-16.6	1.69 H	58	47.8	9.6
6	11440.00	44.3 AV	54.0	-9.7	1.69 H	58	34.7	9.6

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	59.7 PK	68.2	-8.5	1.19 V	172	56.5	3.2
2	*5720.00	115.5 PK			1.19 V	172	73.3	42.2
3	*5720.00	105.8 AV			1.19 V	172	63.6	42.2
4	#5850.00	60.7 PK	68.2	-7.5	1.19 V	172	55.6	5.1
5	11440.00	57.8 PK	74.0	-16.2	1.52 V	47	48.2	9.6
6	11440.00	44.6 AV	54.0	-9.4	1.52 V	47	35.0	9.6

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	23°C, 66% RH
Tested By	Titan Hsu		

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	#5600.00	58.6 PK	68.2	-9.6	1.16 H	193	54.5	4.1
2	*5745.00	111.4 PK			1.16 H	193	69.0	42.4
3	*5745.00	101.1 AV			1.16 H	193	58.7	42.4
4	#5958.00	59.4 PK	68.2	-8.8	1.16 H	193	54.5	4.9
5	11490.00	58.4 PK	74.0	-15.6	1.93 H	55	48.8	9.6
6	11490.00	46.1 AV	54.0	-7.9	1.93 H	55	36.5	9.6
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	#5648.00	61.3 PK	68.2	-6.9	1.08 V	171	57.0	4.3
2	*5745.00	115.9 PK			1.08 V	171	73.5	42.4
3	*5745.00	105.8 AV			1.08 V	171	63.4	42.4
4	#5957.20	59.3 PK	68.2	-8.9	1.08 V	171	54.4	4.9
5	11490.00	60.3 PK	74.0	-13.7	2.13 V	30	50.7	9.6
6	11490.00	47.3 AV	54.0	-6.7	2.13 V	30	37.7	9.6

## 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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.00	58.8 PK	68.2	-9.4	1.15 H	192	54.7	4.1
2	*5785.00	110.7 PK			1.15 H	192	68.3	42.4
3	*5785.00	100.5 AV			1.15 H	192	58.1	42.4
4	#5965.20	60.6 PK	68.2	-7.6	1.15 H	192	55.7	4.9
5	11570.00	57.7 PK	74.0	-16.3	1.91 H	49	48.2	9.5
6	11570.00	45.5 AV	54.0	-8.5	1.91 H	49	36.0	9.5
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	#5641.60	58.8 PK	68.2	-9.4	1.01 V	172	54.5	4.3
2	*5785.00	115.7 PK			1.01 V	172	73.3	42.4
3	*5785.00	105.7 AV			1.01 V	172	63.3	42.4
4	#5946.80	59.7 PK	68.2	-8.5	1.01 V	172	54.8	4.9
5	11570.00	59.3 PK	74.0	-14.7	2.10 V	30	49.8	9.5
6	11570.00	46.5 AV	54.0	-7.5	2.10 V	30	37.0	9.5

## Remarks:

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



RF Mode	802.11a	Channel	CH 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	23°C, 66% RH
Tested By	Titan Hsu		

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	#5621.60	59.0 PK	68.2	-9.2	1.03 H	193	54.8	4.2
2	*5825.00	110.6 PK			1.03 H	193	68.0	42.6
3	*5825.00	100.7 AV			1.03 H	193	58.1	42.6
4	#5940.40	59.5 PK	68.2	-8.7	1.03 H	193	54.6	4.9
5	11650.00	57.2 PK	74.0	-16.8	1.95 H	52	47.8	9.4
6	11650.00	44.6 AV	54.0	-9.4	1.95 H	52	35.2	9.4
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	#5643.60	59.6 PK	68.2	-8.6	1.07 V	172	55.3	4.3
2	*5825.00	115.3 PK			1.07 V	172	72.7	42.6
3	*5825.00	105.0 AV			1.07 V	172	62.4	42.6
4	#5963.20	59.7 PK	68.2	-8.5	1.07 V	172	54.8	4.9
5	11650.00	57.9 PK	74.0	-16.1	2.01 V	34	48.5	9.4
6	11650.00	44.9 AV	54.0	-9.1	2.01 V	34	35.5	9.4

## 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.

## MIMO

RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	64.3 PK	74.0	-9.7	1.23 H	281	61.0	3.3
2	5150.00	50.3 AV	54.0	-3.7	1.23 H	281	47.0	3.3
3	*5180.00	115.4 PK			1.23 H	281	74.5	40.9
4	*5180.00	103.3 AV			1.23 H	281	62.4	40.9
5	#10360.00	56.3 PK	68.2	-11.9	1.61 H	55	47.8	8.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.6 PK	74.0	-9.4	1.39 V	181	61.3	3.3
2	5150.00	50.5 AV	54.0	-3.5	1.39 V	181	47.2	3.3
3	*5180.00	116.7 PK			1.39 V	181	75.8	40.9
4	*5180.00	104.6 AV			1.39 V	181	63.7	40.9
5	#10360.00	57.0 PK	68.2	-11.2	1.58 V	22	48.5	8.5

### Remarks:

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



RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	116.4 PK			1.23 H	274	75.5	40.9
2	*5200.00	104.1 AV			1.23 H	274	63.2	40.9
3	#10400.00	56.4 PK	68.2	-11.8	1.67 H	59	48.0	8.4
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	*5200.00	117.6 PK			1.43 V	182	76.7	40.9
2	*5200.00	105.7 AV			1.43 V	182	64.8	40.9
3	#10400.00	57.0 PK	68.2	-11.2	1.55 V	23	48.6	8.4

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.8 PK	74.0	-16.2	1.25 H	274	54.5	3.3
2	5150.00	45.5 AV	54.0	-8.5	1.25 H	274	42.2	3.3
3	*5240.00	116.8 PK			1.25 H	274	76.0	40.8
4	*5240.00	104.5 AV			1.25 H	274	63.7	40.8
5	#10480.00	56.3 PK	68.2	-11.9	1.62 H	53	48.0	8.3

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	58.9 PK	74.0	-15.1	1.32 V	181	55.6	3.3
2	5150.00	45.8 AV	54.0	-8.2	1.32 V	181	42.5	3.3
3	*5240.00	118.2 PK			1.32 V	181	77.4	40.8
4	*5240.00	106.7 AV			1.32 V	181	65.9	40.8
5	#10480.00	56.9 PK	68.2	-11.3	1.62 V	25	48.6	8.3

Remarks:

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

RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.5 PK	74.0	-15.5	1.19 H	280	55.2	3.3
2	5150.00	45.5 AV	54.0	-8.5	1.19 H	280	42.2	3.3
3	*5260.00	117.0 PK			1.19 H	280	76.3	40.7
4	*5260.00	104.5 AV			1.19 H	280	63.8	40.7
5	#10520.00	56.3 PK	68.2	-11.9	1.66 H	48	48.0	8.3

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	59.3 PK	74.0	-14.7	1.30 V	180	56.0	3.3
2	5150.00	45.9 AV	54.0	-8.1	1.30 V	180	42.6	3.3
3	*5260.00	119.1 PK			1.30 V	180	78.4	40.7
4	*5260.00	107.1 AV			1.30 V	180	66.4	40.7
5	#10520.00	56.8 PK	68.2	-11.4	1.52 V	28	48.5	8.3

**Remarks:**

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



RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	116.7 PK			1.33 H	276	76.0	40.7
2	*5300.00	104.9 AV			1.33 H	276	64.2	40.7
3	10600.00	56.5 PK	74.0	-17.5	1.69 H	48	47.5	9.0
4	10600.00	43.7 AV	54.0	-10.3	1.69 H	48	34.7	9.0

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	*5300.00	118.5 PK			1.28 V	180	77.8	40.7
2	*5300.00	107.1 AV			1.28 V	180	66.4	40.7
3	10600.00	57.3 PK	74.0	-16.7	1.53 V	44	48.3	9.0
4	10600.00	43.9 AV	54.0	-10.1	1.53 V	44	34.9	9.0

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	116.4 PK			1.33 H	275	75.6	40.8
2	*5320.00	104.9 AV			1.33 H	275	64.1	40.8
3	5350.00	65.5 PK	74.0	-8.5	1.33 H	275	62.5	3.0
4	5350.00	53.2 AV	54.0	-0.8	1.33 H	275	50.2	3.0
5	10640.00	56.4 PK	74.0	-17.6	1.67 H	45	47.6	8.8
6	10640.00	43.4 AV	54.0	-10.6	1.67 H	45	34.6	8.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	118.7 PK			1.33 V	182	77.9	40.8
2	*5320.00	106.7 AV			1.33 V	182	65.9	40.8
3	5350.00	66.1 PK	74.0	-7.9	1.33 V	182	63.1	3.0
4	5350.00	53.5 AV	54.0	-0.5	1.33 V	182	50.5	3.0
5	10640.00	57.3 PK	74.0	-16.7	1.58 V	48	48.5	8.8
6	10640.00	43.6 AV	54.0	-10.4	1.58 V	48	34.8	8.8

**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.

RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.5 PK	74.0	-13.5	1.30 H	271	57.4	3.1
2	5460.00	47.3 AV	54.0	-6.7	1.30 H	271	44.2	3.1
3	#5470.00	64.3 PK	68.2	-3.9	1.30 H	271	61.1	3.2
4	*5500.00	114.2 PK			1.30 H	271	73.2	41.0
5	*5500.00	102.0 AV			1.30 H	271	61.0	41.0
6	11000.00	57.1 PK	74.0	-16.9	1.78 H	49	48.0	9.1
7	11000.00	43.7 AV	54.0	-10.3	1.78 H	49	34.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.8 PK	74.0	-10.2	1.28 V	177	60.7	3.1
2	5460.00	48.4 AV	54.0	-5.6	1.28 V	177	45.3	3.1
3	#5470.00	67.7 PK	68.2	-0.5	1.28 V	177	64.5	3.2
4	*5500.00	117.2 PK			1.28 V	177	76.2	41.0
5	*5500.00	105.2 AV			1.28 V	177	64.2	41.0
6	11000.00	57.3 PK	74.0	-16.7	1.58 V	56	48.2	9.1
7	11000.00	43.9 AV	54.0	-10.1	1.58 V	56	34.8	9.1

**Remarks:**

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



RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	114.4 PK			1.22 H	276	73.0	41.4
2	*5580.00	102.2 AV			1.22 H	276	60.8	41.4
3	11160.00	56.7 PK	74.0	-17.3	1.77 H	48	47.8	8.9
4	11160.00	43.5 AV	54.0	-10.5	1.77 H	48	34.6	8.9

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	*5580.00	119.2 PK			1.39 V	177	77.8	41.4
2	*5580.00	106.5 AV			1.39 V	177	65.1	41.4
3	11160.00	57.1 PK	74.0	-16.9	1.55 V	45	48.2	8.9
4	11160.00	43.7 AV	54.0	-10.3	1.55 V	45	34.8	8.9

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.

RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	109.3 PK			1.18 H	270	67.2	42.1
2	*5700.00	96.9 AV			1.18 H	270	54.8	42.1
3	#5725.00	64.3 PK	68.2	-3.9	1.18 H	270	59.5	4.8
4	11400.00	57.3 PK	74.0	-16.7	1.75 H	42	47.6	9.7
5	11400.00	44.2 AV	54.0	-9.8	1.75 H	42	34.5	9.7

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	114.3 PK			1.39 V	178	72.2	42.1
2	*5700.00	101.2 AV			1.39 V	178	59.1	42.1
3	#5725.00	67.5 PK	68.2	-0.7	1.39 V	178	62.7	4.8
4	11400.00	57.7 PK	74.0	-16.3	1.59 V	48	48.0	9.7
5	11400.00	44.4 AV	54.0	-9.6	1.59 V	48	34.7	9.7

**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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.2 PK	68.2	-10.0	1.16 H	281	55.0	3.2
2	*5720.00	114.5 PK			1.16 H	281	72.3	42.2
3	*5720.00	101.7 AV			1.16 H	281	59.5	42.2
4	#5850.00	59.9 PK	68.2	-8.3	1.16 H	281	54.8	5.1
5	11440.00	57.1 PK	74.0	-16.9	1.72 H	48	47.5	9.6
6	11440.00	44.2 AV	54.0	-9.8	1.72 H	48	34.6	9.6
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	59.2 PK	68.2	-9.0	1.18 V	173	56.0	3.2
2	*5720.00	119.1 PK			1.18 V	173	76.9	42.2
3	*5720.00	107.0 AV			1.18 V	173	64.8	42.2
4	#5850.00	60.3 PK	68.2	-7.9	1.18 V	173	55.2	5.1
5	11440.00	57.6 PK	74.0	-16.4	1.55 V	45	48.0	9.6
6	11440.00	44.5 AV	54.0	-9.5	1.55 V	45	34.9	9.6

## 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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.60	60.4 PK	68.2	-7.8	1.29 H	280	56.1	4.3
2	*5745.00	115.9 PK			1.29 H	280	73.5	42.4
3	*5745.00	104.0 AV			1.29 H	280	61.6	42.4
4	#5972.80	58.5 PK	68.2	-9.7	1.29 H	280	53.7	4.8
5	11490.00	58.0 PK	74.0	-16.0	2.14 H	50	48.4	9.6
6	11490.00	45.2 AV	54.0	-8.8	2.14 H	50	35.6	9.6

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	#5645.60	59.9 PK	68.2	-8.3	1.12 V	199	55.6	4.3
2	*5745.00	121.4 PK			1.12 V	199	79.0	42.4
3	*5745.00	109.2 AV			1.12 V	199	66.8	42.4
4	#5980.40	60.6 PK	68.2	-7.6	1.12 V	199	55.8	4.8
5	11490.00	60.7 PK	74.0	-13.3	2.10 V	30	51.1	9.6
6	11490.00	48.3 AV	54.0	-5.7	2.10 V	30	38.7	9.6

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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.00	59.6 PK	68.2	-8.6	1.25 H	280	55.5	4.1
2	*5785.00	115.5 PK			1.25 H	280	73.1	42.4
3	*5785.00	103.3 AV			1.25 H	280	60.9	42.4
4	#5971.20	59.4 PK	68.2	-8.8	1.25 H	280	54.5	4.9
5	11570.00	57.3 PK	74.0	-16.7	1.94 H	57	47.8	9.5
6	11570.00	44.8 AV	54.0	-9.2	1.94 H	57	35.3	9.5
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	#5643.20	59.3 PK	68.2	-8.9	1.08 V	199	55.0	4.3
2	*5785.00	121.5 PK			1.08 V	199	79.1	42.4
3	*5785.00	109.0 AV			1.08 V	199	66.6	42.4
4	#5980.00	60.3 PK	68.2	-7.9	1.08 V	199	55.5	4.8
5	11570.00	58.2 PK	74.0	-15.8	1.94 V	31	48.7	9.5
6	11570.00	45.5 AV	54.0	-8.5	1.94 V	31	36.0	9.5

**Remarks:**

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

RF Mode	802.11ax (HE20) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	#5613.60	59.4 PK	68.2	-8.8	1.19 H	278	55.3	4.1
2	*5825.00	115.9 PK			1.19 H	278	73.3	42.6
3	*5825.00	103.2 AV			1.19 H	278	60.6	42.6
4	#5948.00	60.2 PK	68.2	-8.0	1.19 H	278	55.3	4.9
5	11650.00	57.1 PK	74.0	-16.9	2.01 H	53	47.7	9.4
6	11650.00	43.9 AV	54.0	-10.1	2.01 H	53	34.5	9.4
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	#5641.20	59.5 PK	68.2	-8.7	1.02 V	199	55.2	4.3
2	*5825.00	122.0 PK			1.02 V	200	79.4	42.6
3	*5825.00	109.8 AV			1.02 V	200	67.2	42.6
4	#5940.80	61.1 PK	68.2	-7.1	1.02 V	199	56.2	4.9
5	11650.00	57.9 PK	74.0	-16.1	2.01 V	24	48.5	9.4
6	11650.00	45.5 AV	54.0	-8.5	2.01 V	24	36.1	9.4

**Remarks:**

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





RF Mode	802.11ax (HE40) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	62.8 PK	74.0	-11.2	1.29 H	275	59.5	3.3
2	5150.00	48.8 AV	54.0	-5.2	1.29 H	275	45.5	3.3
3	*5190.00	110.2 PK			1.29 H	275	69.3	40.9
4	*5190.00	97.4 AV			1.29 H	275	56.5	40.9
5	#10380.00	55.8 PK	68.2	-12.4	1.62 H	52	47.4	8.4

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	63.8 PK	74.0	-10.2	1.33 V	180	60.5	3.3
2	5150.00	51.3 AV	54.0	-2.7	1.33 V	180	48.0	3.3
3	*5190.00	113.0 PK			1.33 V	180	72.1	40.9
4	*5190.00	100.0 AV			1.33 V	180	59.1	40.9
5	#10380.00	56.6 PK	68.2	-11.6	1.55 V	28	48.2	8.4

Remarks:

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

RF Mode	802.11ax (HE40) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	1.30 H	277	61.1	3.3
2	5150.00	51.5 AV	54.0	-2.5	1.30 H	277	48.2	3.3
3	*5230.00	115.4 PK			1.30 H	277	74.6	40.8
4	*5230.00	102.9 AV			1.30 H	277	62.1	40.8
5	#10460.00	55.8 PK	68.2	-12.4	1.67 H	58	47.5	8.3

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	66.9 PK	74.0	-7.1	1.36 V	182	63.6	3.3
2	5150.00	53.3 AV	54.0	-0.7	1.36 V	182	50.0	3.3
3	*5230.00	117.5 PK			1.36 V	182	76.7	40.8
4	*5230.00	104.7 AV			1.36 V	182	63.9	40.8
5	#10460.00	56.8 PK	68.2	-11.4	1.62 V	25	48.5	8.3

**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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.29 H	273	56.5	3.3
2	5150.00	46.0 AV	54.0	-8.0	1.29 H	273	42.7	3.3
3	*5270.00	114.7 PK			1.29 H	273	74.0	40.7
4	*5270.00	101.8 AV			1.29 H	273	61.1	40.7
5	#10540.00	56.8 PK	68.2	-11.4	1.55 H	45	48.2	8.6

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.1 PK	74.0	-13.9	1.38 V	182	56.8	3.3
2	5150.00	46.3 AV	54.0	-7.7	1.38 V	182	43.0	3.3
3	*5270.00	117.3 PK			1.38 V	182	76.6	40.7
4	*5270.00	103.9 AV			1.38 V	182	63.2	40.7
5	#10540.00	57.1 PK	68.2	-11.1	1.52 V	48	48.5	8.6

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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	111.6 PK			1.32 H	276	70.9	40.7
2	*5310.00	98.9 AV			1.32 H	276	58.2	40.7
3	5350.00	65.5 PK	74.0	-8.5	1.32 H	276	62.5	3.0
4	5350.00	51.6 AV	54.0	-2.4	1.32 H	276	48.6	3.0
5	10620.00	56.7 PK	74.0	-17.3	1.62 H	48	47.8	8.9
6	10620.00	43.4 AV	54.0	-10.6	1.62 H	48	34.5	8.9
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	*5310.00	114.4 PK			1.26 V	181	73.7	40.7
2	*5310.00	101.2 AV			1.26 V	181	60.5	40.7
3	5350.00	66.2 PK	74.0	-7.8	1.26 V	181	63.2	3.0
4	5350.00	53.4 AV	54.0	-0.6	1.26 V	181	50.4	3.0
5	10620.00	57.1 PK	74.0	-16.9	1.55 V	45	48.2	8.9
6	10620.00	43.6 AV	54.0	-10.4	1.55 V	45	34.7	8.9

## 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.



RF Mode	802.11ax (HE40) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.1 PK	74.0	-13.9	1.30 H	271	57.0	3.1
2	5460.00	47.6 AV	54.0	-6.4	1.30 H	271	44.5	3.1
3	#5470.00	67.1 PK	68.2	-1.1	1.30 H	271	63.9	3.2
4	*5510.00	111.4 PK			1.30 H	271	70.4	41.0
5	*5510.00	98.1 AV			1.30 H	271	57.1	41.0
6	11020.00	56.5 PK	74.0	-17.5	1.72 H	45	47.5	9.0
7	11020.00	43.4 AV	54.0	-10.6	1.72 H	45	34.4	9.0

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	60.6 PK	74.0	-13.4	1.21 V	178	57.5	3.1
2	5460.00	47.9 AV	54.0	-6.1	1.21 V	178	44.8	3.1
3	#5470.00	67.7 PK	68.2	-0.5	1.21 V	178	64.5	3.2
4	*5510.00	113.4 PK			1.21 V	178	72.4	41.0
5	*5510.00	100.8 AV			1.21 V	178	59.8	41.0
6	11020.00	56.8 PK	74.0	-17.2	1.56 V	55	47.8	9.0
7	11020.00	43.6 AV	54.0	-10.4	1.56 V	55	34.6	9.0

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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	112.1 PK			1.31 H	270	70.9	41.2
2	*5550.00	99.3 AV			1.31 H	270	58.1	41.2
3	11100.00	56.5 PK	74.0	-17.5	1.72 H	46	47.5	9.0
4	11100.00	43.5 AV	54.0	-10.5	1.72 H	46	34.5	9.0

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	*5550.00	115.9 PK			1.37 V	166	74.7	41.2
2	*5550.00	103.3 AV			1.37 V	166	62.1	41.2
3	11100.00	56.7 PK	74.0	-17.3	1.55 V	57	47.7	9.0
4	11100.00	43.7 AV	54.0	-10.3	1.55 V	57	34.7	9.0

Remarks:

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



RF Mode	802.11ax (HE40) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	110.5 PK			1.33 H	273	68.6	41.9
2	*5670.00	98.2 AV			1.33 H	273	56.3	41.9
3	#5725.00	65.0 PK	68.2	-3.2	1.33 H	273	60.2	4.8
4	11340.00	56.9 PK	74.0	-17.1	1.77 H	46	47.6	9.3
5	11340.00	43.8 AV	54.0	-10.2	1.77 H	46	34.5	9.3

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	*5670.00	115.3 PK			1.32 V	177	73.4	41.9
2	*5670.00	101.9 AV			1.32 V	177	60.0	41.9
3	#5725.00	67.5 PK	68.2	-0.7	1.32 V	177	62.7	4.8
4	11340.00	57.1 PK	74.0	-16.9	1.52 V	55	47.8	9.3
5	11340.00	44.1 AV	54.0	-9.9	1.52 V	55	34.8	9.3

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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.8 PK	68.2	-9.4	1.24 H	267	55.6	3.2
2	*5710.00	111.5 PK			1.24 H	267	69.4	42.1
3	*5710.00	98.5 AV			1.24 H	267	56.4	42.1
4	#5850.00	60.1 PK	68.2	-8.1	1.24 H	267	55.0	5.1
5	11420.00	57.4 PK	74.0	-16.6	1.79 H	43	47.8	9.6
6	11420.00	44.2 AV	54.0	-9.8	1.79 H	43	34.6	9.6
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	59.0 PK	68.2	-9.2	1.21 V	165	55.8	3.2
2	*5710.00	116.1 PK			1.21 V	165	74.0	42.1
3	*5710.00	103.2 AV			1.21 V	165	61.1	42.1
4	#5850.00	60.6 PK	68.2	-7.6	1.21 V	165	55.5	5.1
5	11420.00	57.6 PK	74.0	-16.4	1.62 V	55	48.0	9.6
6	11420.00	44.5 AV	54.0	-9.5	1.62 V	55	34.9	9.6

## 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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	#5640.80	61.3 PK	68.2	-6.9	1.23 H	278	57.0	4.3
2	*5755.00	112.0 PK			1.23 H	278	69.6	42.4
3	*5755.00	98.9 AV			1.23 H	278	56.5	42.4
4	#5972.00	59.5 PK	68.2	-8.7	1.23 H	278	54.7	4.8
5	11510.00	57.6 PK	74.0	-16.4	2.15 H	51	48.0	9.6
6	11510.00	44.8 AV	54.0	-9.2	2.15 H	51	35.2	9.6
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	#5643.60	67.7 PK	68.2	-0.5	1.12 V	172	63.4	4.3
2	*5755.00	116.9 PK			1.12 V	172	74.5	42.4
3	*5755.00	104.5 AV			1.12 V	172	62.1	42.4
4	#5941.60	60.6 PK	68.2	-7.6	1.12 V	172	55.7	4.9
5	11510.00	58.6 PK	74.0	-15.4	2.13 V	31	49.0	9.6
6	11510.00	46.1 AV	54.0	-7.9	2.13 V	31	36.5	9.6

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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.00	60.7 PK	68.2	-7.5	1.24 H	279	56.5	4.2
2	*5795.00	113.2 PK			1.24 H	279	70.8	42.4
3	*5795.00	100.3 AV			1.24 H	279	57.9	42.4
4	#5926.40	61.0 PK	68.2	-7.2	1.24 H	279	56.0	5.0
5	11590.00	56.8 PK	74.0	-17.2	2.02 H	55	47.5	9.3
6	11590.00	44.2 AV	54.0	-9.8	2.02 H	55	34.9	9.3
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	#5638.40	60.5 PK	68.2	-7.7	1.18 V	198	56.2	4.3
2	*5795.00	119.6 PK			1.18 V	198	77.2	42.4
3	*5795.00	106.4 AV			1.18 V	198	64.0	42.4
4	#5928.40	64.9 PK	68.2	-3.3	1.18 V	198	59.9	5.0
5	11590.00	57.5 PK	74.0	-16.5	1.95 V	35	48.2	9.3
6	11590.00	44.9 AV	54.0	-9.1	1.95 V	35	35.6	9.3

## 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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	62.3 PK	74.0	-11.7	1.24 H	275	59.0	3.3
2	5150.00	49.5 AV	54.0	-4.5	1.24 H	275	46.2	3.3
3	*5210.00	106.5 PK			1.24 H	275	65.6	40.9
4	*5210.00	94.7 AV			1.24 H	275	53.8	40.9
5	5350.00	58.2 PK	74.0	-15.8	1.24 H	275	55.2	3.0
6	5350.00	45.7 AV	54.0	-8.3	1.24 H	275	42.7	3.0
7	#10420.00	55.6 PK	68.2	-12.6	1.65 H	55	47.2	8.4

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	63.1 PK	74.0	-10.9	1.30 V	181	59.8	3.3
2	5150.00	50.3 AV	54.0	-3.7	1.30 V	181	47.0	3.3
3	*5210.00	109.7 PK			1.30 V	181	68.8	40.9
4	*5210.00	96.8 AV			1.30 V	181	55.9	40.9
5	5350.00	58.6 PK	74.0	-15.4	1.30 V	181	55.6	3.0
6	5350.00	46.2 AV	54.0	-7.8	1.30 V	181	43.2	3.0
7	#10420.00	56.4 PK	68.2	-11.8	1.55 V	23	48.0	8.4

Remarks:

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

RF Mode	802.11ax (HE80) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	1.32 H	277	56.0	3.3
2	5150.00	46.1 AV	54.0	-7.9	1.32 H	277	42.8	3.3
3	*5290.00	108.8 PK			1.32 H	277	68.0	40.8
4	*5290.00	96.0 AV			1.32 H	277	55.2	40.8
5	5350.00	66.0 PK	74.0	-8.0	1.32 H	277	63.0	3.0
6	5350.00	53.0 AV	54.0	-1.0	1.32 H	277	50.0	3.0
7	#10580.00	56.3 PK	68.2	-11.9	1.65 H	45	47.5	8.8
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	60.1 PK	74.0	-13.9	1.21 V	180	56.8	3.3
2	5150.00	46.8 AV	54.0	-7.2	1.21 V	180	43.5	3.3
3	*5290.00	110.5 PK			1.21 V	180	69.7	40.8
4	*5290.00	98.6 AV			1.21 V	180	57.8	40.8
5	5350.00	66.4 PK	74.0	-7.6	1.21 V	180	63.4	3.0
6	5350.00	53.7 AV	54.0	-0.3	1.21 V	180	50.7	3.0
7	#10580.00	56.6 PK	68.2	-11.6	1.52 V	44	47.8	8.8

**Remarks:**

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



RF Mode	802.11ax (HE80) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	64.9 PK	74.0	-9.1	1.32 H	272	61.8	3.1
2	5460.00	51.5 AV	54.0	-2.5	1.32 H	272	48.4	3.1
3	#5470.00	65.9 PK	68.2	-2.3	1.32 H	272	62.7	3.2
4	*5530.00	106.8 PK			1.32 H	272	65.7	41.1
5	*5530.00	94.2 AV			1.32 H	272	53.1	41.1
6	11060.00	56.5 PK	74.0	-17.5	1.76 H	47	47.5	9.0
7	11060.00	43.5 AV	54.0	-10.5	1.76 H	47	34.5	9.0

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	65.8 PK	74.0	-8.2	1.21 V	164	62.7	3.1
2	5460.00	52.8 AV	54.0	-1.2	1.21 V	164	49.7	3.1
3	#5470.00	67.7 PK	68.2	-0.5	1.21 V	164	64.5	3.2
4	*5530.00	110.0 PK			1.21 V	164	68.9	41.1
5	*5530.00	98.1 AV			1.21 V	164	57.0	41.1
6	11060.00	56.6 PK	74.0	-17.4	1.65 V	52	47.6	9.0
7	11060.00	43.6 AV	54.0	-10.4	1.65 V	52	34.6	9.0

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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

**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	109.2 PK			1.30 H	266	67.6	41.6
2	*5610.00	96.0 AV			1.30 H	266	54.4	41.6
3	#5725.00	63.0 PK	68.2	-5.2	1.30 H	266	58.2	4.8
4	11220.00	56.5 PK	74.0	-17.5	1.77 H	42	47.5	9.0
5	11220.00	43.5 AV	54.0	-10.5	1.77 H	42	34.5	9.0

**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	*5610.00	114.0 PK			1.22 V	167	72.4	41.6
2	*5610.00	100.0 AV			1.22 V	167	58.4	41.6
3	#5725.00	67.5 PK	68.2	-0.7	1.22 V	167	62.7	4.8
4	11220.00	56.7 PK	74.0	-17.3	1.67 V	50	47.7	9.0
5	11220.00	43.7 AV	54.0	-10.3	1.67 V	50	34.7	9.0

**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) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	60.2 PK	68.2	-8.0	1.33 H	272	57.0	3.2
2	*5690.00	111.0 PK			1.33 H	272	69.0	42.0
3	*5690.00	97.7 AV			1.33 H	272	55.7	42.0
4	#5850.00	62.9 PK	68.2	-5.3	1.33 H	272	57.8	5.1
5	11380.00	57.1 PK	74.0	-16.9	1.79 H	45	47.6	9.5
6	11380.00	44.2 AV	54.0	-9.8	1.79 H	45	34.7	9.5
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	#5470.00	62.2 PK	68.2	-6.0	1.07 V	178	59.0	3.2
2	*5690.00	115.8 PK			1.07 V	178	73.8	42.0
3	*5690.00	102.0 AV			1.07 V	178	60.0	42.0
4	#5850.00	64.9 PK	68.2	-3.3	1.07 V	178	59.8	5.1
5	11380.00	57.3 PK	74.0	-16.7	1.65 V	55	47.8	9.5
6	11380.00	44.4 AV	54.0	-9.6	1.65 V	55	34.9	9.5

## Remarks:

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



RF Mode	802.11ax (HE80) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	#5630.00	65.3 PK	68.2	-2.9	1.24 H	281	61.1	4.2
2	*5775.00	108.6 PK			1.24 H	281	66.2	42.4
3	*5775.00	95.5 AV			1.24 H	281	53.1	42.4
4	#5928.80	60.7 PK	68.2	-7.5	1.24 H	281	55.7	5.0
5	11550.00	57.0 PK	74.0	-17.0	1.98 H	55	47.5	9.5
6	11550.00	44.5 AV	54.0	-9.5	1.98 H	55	35.0	9.5

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	#5640.00	67.7 PK	68.2	-0.5	1.22 V	166	63.4	4.3
2	*5775.00	115.0 PK			1.22 V	166	72.6	42.4
3	*5775.00	101.6 AV			1.22 V	166	59.2	42.4
4	#5929.20	63.3 PK	68.2	-4.9	1.22 V	166	58.3	5.0
5	11550.00	57.5 PK	74.0	-16.5	1.92 V	32	48.0	9.5
6	11550.00	45.0 AV	54.0	-9.0	1.92 V	32	35.5	9.5

Remarks:

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





RF Mode	802.11ax (HE160) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	63.8 PK	74.0	-10.2	1.24 H	273	60.5	3.3
2	5150.00	50.0 AV	54.0	-4.0	1.24 H	273	46.7	3.3
3	*5250.00	103.9 PK			1.24 H	273	63.1	40.8
4	*5250.00	91.7 AV			1.24 H	273	50.9	40.8
5	5350.00	67.3 PK	74.0	-6.7	1.24 H	273	64.3	3.0
6	5350.00	53.5 AV	54.0	-0.5	1.24 H	273	50.5	3.0
7	#10500.00	55.5 PK	68.2	-12.7	1.75 H	45	47.2	8.3
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	64.8 PK	74.0	-9.2	1.22 V	181	61.5	3.3
2	5150.00	51.5 AV	54.0	-2.5	1.22 V	181	48.2	3.3
3	*5250.00	105.5 PK			1.22 V	181	64.7	40.8
4	*5250.00	93.3 AV			1.22 V	181	52.5	40.8
5	5350.00	68.0 PK	74.0	-6.0	1.22 V	181	65.0	3.0
<b>6</b>	<b>5350.00</b>	<b>53.8 AV</b>	<b>54.0</b>	<b>-0.2</b>	<b>1.22 V</b>	<b>181</b>	<b>50.8</b>	<b>3.0</b>
7	#10500.00	55.8 PK	68.2	-12.4	1.65 V	52	47.5	8.3

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 (HE160) Full RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	1.22 H	268	57.7	3.1
2	5460.00	46.8 AV	54.0	-7.2	1.22 H	268	43.7	3.1
3	#5470.00	61.0 PK	68.2	-7.2	1.22 H	268	57.8	3.2
4	*5570.00	101.1 PK			1.22 H	268	59.8	41.3
5	*5570.00	87.6 AV			1.22 H	268	46.3	41.3
6	#5725.00	63.8 PK	68.2	-4.4	1.22 H	268	59.0	4.8
7	11140.00	56.2 PK	74.0	-17.8	1.77 H	49	47.2	9.0
8	11140.00	43.4 AV	54.0	-10.6	1.77 H	49	34.4	9.0
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	61.1 PK	74.0	-12.9	1.30 V	166	58.0	3.1
2	5460.00	47.7 AV	54.0	-6.3	1.30 V	166	44.6	3.1
3	#5470.00	62.9 PK	68.2	-5.3	1.30 V	166	59.7	3.2
4	*5570.00	103.4 PK			1.30 V	166	62.1	41.3
5	*5570.00	91.0 AV			1.30 V	166	49.7	41.3
6	#5725.00	67.8 PK	68.2	-0.4	1.30 V	166	63.0	4.8
7	11140.00	56.5 PK	74.0	-17.5	1.68 V	55	47.5	9.0
8	11140.00	43.6 AV	54.0	-10.4	1.68 V	55	34.6	9.0

## 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) 26-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.5 PK	74.0	-15.5	1.22 H	280	55.2	3.3
2	5150.00	45.8 AV	54.0	-8.2	1.22 H	280	42.5	3.3
3	*5180.00	109.4 PK			1.22 H	280	68.5	40.9
4	*5180.00	100.8 AV			1.22 H	280	59.9	40.9
5	#10360.00	56.2 PK	68.2	-12.0	1.63 H	57	47.7	8.5

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.1 PK	74.0	-14.9	1.32 V	179	55.8	3.3
2	5150.00	46.9 AV	54.0	-7.1	1.32 V	179	43.6	3.3
3	*5180.00	111.4 PK			1.32 V	179	70.5	40.9
4	*5180.00	103.5 AV			1.32 V	179	62.6	40.9
5	#10360.00	56.7 PK	68.2	-11.5	1.52 V	25	48.2	8.5

Remarks:

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



RF Mode	802.11ax (HE20) 26-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	108.3 PK			1.23 H	275	67.5	40.8
2	*5320.00	100.0 AV			1.23 H	275	59.2	40.8
3	5350.00	58.4 PK	74.0	-15.6	1.23 H	275	55.4	3.0
4	5350.00	45.2 AV	54.0	-8.8	1.23 H	275	42.2	3.0
5	10640.00	56.5 PK	74.0	-17.5	1.65 H	55	47.7	8.8
6	10640.00	43.4 AV	54.0	-10.6	1.65 H	55	34.6	8.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.5 PK			1.34 V	187	67.7	40.8
2	*5320.00	100.3 AV			1.34 V	187	59.5	40.8
3	5350.00	59.0 PK	74.0	-15.0	1.34 V	187	56.0	3.0
4	5350.00	45.5 AV	54.0	-8.5	1.34 V	187	42.5	3.0
5	10640.00	57.0 PK	74.0	-17.0	1.58 V	56	48.2	8.8
6	10640.00	44.0 AV	54.0	-10.0	1.58 V	56	35.2	8.8

## 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.



RF Mode	802.11ax (HE20) 26-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	1.27 H	272	55.0	3.1
2	5460.00	45.3 AV	54.0	-8.7	1.27 H	272	42.2	3.1
3	#5470.00	58.6 PK	68.2	-9.6	1.27 H	272	55.4	3.2
4	*5500.00	105.3 PK			1.25 H	272	64.3	41.0
5	*5500.00	97.2 AV			1.25 H	272	56.2	41.0
6	11000.00	56.7 PK	74.0	-17.3	1.69 H	59	47.6	9.1
7	11000.00	43.6 AV	54.0	-10.4	1.69 H	59	34.5	9.1

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	1.27 V	176	55.8	3.1
2	5460.00	45.6 AV	54.0	-8.4	1.27 V	176	42.5	3.1
3	#5470.00	59.5 PK	68.2	-8.7	1.27 V	176	56.3	3.2
4	*5500.00	110.1 PK			1.27 V	176	69.1	41.0
5	*5500.00	101.9 AV			1.27 V	176	60.9	41.0
6	11000.00	57.3 PK	74.0	-16.7	1.56 V	25	48.2	9.1
7	11000.00	44.5 AV	54.0	-9.5	1.56 V	25	35.4	9.1

Remarks:

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



RF Mode	802.11ax (HE20) 26-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

**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	105.3 PK			1.20 H	274	63.2	42.1
2	*5700.00	97.1 AV			1.20 H	274	55.0	42.1
3	#5725.00	60.3 PK	68.2	-7.9	1.20 H	274	55.5	4.8
4	11400.00	57.4 PK	74.0	-16.6	1.68 H	57	47.7	9.7
5	11400.00	44.2 AV	54.0	-9.8	1.68 H	57	34.5	9.7

**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	107.7 PK			1.19 V	175	65.6	42.1
2	*5700.00	99.4 AV			1.19 V	175	57.3	42.1
3	#5725.00	60.7 PK	68.2	-7.5	1.19 V	175	55.9	4.8
4	11400.00	57.9 PK	74.0	-16.1	1.55 V	26	48.2	9.7
5	11400.00	44.9 AV	54.0	-9.1	1.55 V	26	35.2	9.7

**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) 26-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	*5745.00	117.5 PK			1.18 H	192	75.1	42.4
2	*5745.00	107.5 AV			1.18 H	192	65.1	42.4
3	11490.00	57.8 PK	74.0	-16.2	1.95 H	56	48.2	9.6
4	11490.00	45.8 AV	54.0	-8.2	1.95 H	56	36.2	9.6

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	*5745.00	122.6 PK			1.08 V	170	80.2	42.4
2	*5745.00	112.9 AV			1.08 V	170	70.5	42.4
3	11490.00	59.6 PK	74.0	-14.4	2.20 V	35	50.0	9.6
4	11490.00	46.4 AV	54.0	-7.6	2.20 V	35	36.8	9.6

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.



RF Mode	802.11ax (HE20) 52-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	1.22 H	280	55.5	3.3
2	5150.00	45.8 AV	54.0	-8.2	1.22 H	280	42.5	3.3
3	*5180.00	111.0 PK			1.22 H	280	70.1	40.9
4	*5180.00	100.6 AV			1.22 H	280	59.7	40.9
5	#10360.00	56.1 PK	68.2	-12.1	1.62 H	57	47.6	8.5

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	1.32 V	179	55.9	3.3
2	5150.00	47.0 AV	54.0	-7.0	1.32 V	179	43.7	3.3
3	*5180.00	114.1 PK			1.32 V	179	73.2	40.9
4	*5180.00	102.7 AV			1.32 V	179	61.8	40.9
5	#10360.00	56.9 PK	68.2	-11.3	1.59 V	25	48.4	8.5

## Remarks:

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



RF Mode	802.11ax (HE20) 52-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	110.8 PK			1.23 H	275	70.0	40.8
2	*5320.00	99.8 AV			1.23 H	275	59.0	40.8
3	5350.00	58.9 PK	74.0	-15.1	1.23 H	275	55.9	3.0
4	5350.00	45.3 AV	54.0	-8.7	1.23 H	275	42.3	3.0
5	10640.00	56.4 PK	74.0	-17.6	1.65 H	55	47.6	8.8
6	10640.00	43.5 AV	54.0	-10.5	1.65 H	55	34.7	8.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.4 PK			1.34 V	187	70.6	40.8
2	*5320.00	100.0 AV			1.34 V	187	59.2	40.8
3	5350.00	60.0 PK	74.0	-14.0	1.34 V	187	57.0	3.0
4	5350.00	45.6 AV	54.0	-8.4	1.34 V	187	42.6	3.0
5	10640.00	57.0 PK	74.0	-17.0	1.59 V	26	48.2	8.8
6	10640.00	43.9 AV	54.0	-10.1	1.59 V	26	35.1	8.8

**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.



RF Mode	802.11ax (HE20) 52-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.6 PK	74.0	-15.4	1.25 H	272	55.5	3.1
2	5460.00	45.3 AV	54.0	-8.7	1.25 H	272	42.2	3.1
3	#5470.00	58.8 PK	68.2	-9.4	1.25 H	272	55.6	3.2
4	*5500.00	108.3 PK			1.25 H	272	67.3	41.0
5	*5500.00	97.0 AV			1.25 H	272	56.0	41.0
6	11000.00	56.7 PK	74.0	-17.3	1.65 H	52	47.6	9.1
7	11000.00	43.9 AV	54.0	-10.1	1.65 H	52	34.8	9.1

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	1.27 V	176	55.8	3.1
2	5460.00	45.6 AV	54.0	-8.4	1.27 V	176	42.5	3.1
3	#5470.00	59.2 PK	68.2	-9.0	1.27 V	176	56.0	3.2
4	*5500.00	112.2 PK			1.27 V	176	71.2	41.0
5	*5500.00	101.7 AV			1.27 V	176	60.7	41.0
6	11000.00	57.4 PK	74.0	-16.6	1.55 V	25	48.3	9.1
7	11000.00	44.5 AV	54.0	-9.5	1.55 V	25	35.4	9.1

Remarks:

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



RF Mode	802.11ax (HE20) 52-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	108.1 PK			1.20 H	274	66.0	42.1
2	*5700.00	97.1 AV			1.20 H	274	55.0	42.1
3	#5725.00	61.0 PK	68.2	-7.2	1.20 H	274	56.2	4.8
4	11400.00	57.3 PK	74.0	-16.7	1.62 H	53	47.6	9.7
5	11400.00	44.2 AV	54.0	-9.8	1.62 H	53	34.5	9.7

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			1.19 V	175	68.0	42.1
2	*5700.00	99.1 AV			1.19 V	175	57.0	42.1
3	#5725.00	61.9 PK	68.2	-6.3	1.19 V	175	57.1	4.8
4	11000.00	57.3 PK	74.0	-16.7	1.52 V	27	48.2	9.1
5	11000.00	44.4 AV	54.0	-9.6	1.52 V	27	35.3	9.1

Remarks:

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



RF Mode	802.11ax (HE20) 52-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	*5745.00	113.0 PK			1.18 H	192	70.6	42.4
2	*5745.00	101.4 AV			1.18 H	192	59.0	42.4
3	11490.00	58.0 PK	74.0	-16.0	1.95 H	53	48.4	9.6
4	11490.00	45.7 AV	54.0	-8.3	1.95 H	53	36.1	9.6

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	*5745.00	118.4 PK			1.08 V	170	76.0	42.4
2	*5745.00	106.9 AV			1.08 V	170	64.5	42.4
3	11490.00	59.4 PK	74.0	-14.6	2.15 V	32	49.8	9.6
4	11490.00	46.3 AV	54.0	-7.7	2.15 V	32	36.7	9.6

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.



RF Mode	802.11ax (HE20) 106-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.0 PK	74.0	-16.0	1.22 H	280	54.7	3.3
2	5150.00	45.5 AV	54.0	-8.5	1.22 H	280	42.2	3.3
3	*5180.00	113.0 PK			1.22 H	280	72.1	40.9
4	*5180.00	100.6 AV			1.22 H	280	59.7	40.9
5	#10360.00	56.2 PK	68.2	-12.0	1.65 H	55	47.7	8.5

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.5 PK	74.0	-12.5	1.32 V	179	58.2	3.3
2	5150.00	46.5 AV	54.0	-7.5	1.32 V	179	43.2	3.3
3	*5180.00	114.6 PK			1.32 V	179	73.7	40.9
4	*5180.00	102.8 AV			1.32 V	179	61.9	40.9
5	#10360.00	56.9 PK	68.2	-11.3	1.62 V	22	48.4	8.5

Remarks:

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



RF Mode	802.11ax (HE20) 106-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.3 PK			1.23 H	275	70.5	40.8
2	*5320.00	99.4 AV			1.23 H	275	58.6	40.8
3	5350.00	58.8 PK	74.0	-15.2	1.23 H	275	55.8	3.0
4	5350.00	45.3 AV	54.0	-8.7	1.23 H	275	42.3	3.0
5	10640.00	56.3 PK	74.0	-17.7	1.65 H	55	47.5	8.8
6	10640.00	43.5 AV	54.0	-10.5	1.65 H	55	34.7	8.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.5 PK			1.34 V	187	70.7	40.8
2	*5320.00	99.8 AV			1.34 V	187	59.0	40.8
3	5350.00	60.0 PK	74.0	-14.0	1.34 V	187	57.0	3.0
4	5350.00	45.6 AV	54.0	-8.4	1.34 V	187	42.6	3.0
5	10640.00	57.1 PK	74.0	-16.9	1.59 V	26	48.3	8.8
6	10640.00	44.0 AV	54.0	-10.0	1.59 V	26	35.2	8.8

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.



RF Mode	802.11ax (HE20) 106-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.7 PK	74.0	-15.3	1.25 H	272	55.6	3.1
2	5460.00	45.6 AV	54.0	-8.4	1.25 H	272	42.5	3.1
3	#5470.00	59.2 PK	68.2	-9.0	1.25 H	272	56.0	3.2
4	*5500.00	108.4 PK			1.25 H	272	67.4	41.0
5	*5500.00	96.4 AV			1.25 H	272	55.4	41.0
6	11000.00	56.8 PK	74.0	-17.2	1.65 H	58	47.7	9.1
7	11000.00	43.6 AV	54.0	-10.4	1.65 H	58	34.5	9.1

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.1 PK	74.0	-14.9	1.27 V	176	56.0	3.1
2	5460.00	45.7 AV	54.0	-8.3	1.27 V	176	42.6	3.1
3	#5470.00	59.9 PK	68.2	-8.3	1.27 V	176	56.7	3.2
4	*5500.00	113.2 PK			1.27 V	176	72.2	41.0
5	*5500.00	101.1 AV			1.27 V	176	60.1	41.0
6	11000.00	57.5 PK	74.0	-16.5	1.57 V	26	48.4	9.1
7	11000.00	44.4 AV	54.0	-9.6	1.57 V	26	35.3	9.1

Remarks:

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



RF Mode	802.11ax (HE20) 106-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	109.4 PK			1.20 H	274	67.3	42.1
2	*5700.00	97.4 AV			1.20 H	274	55.3	42.1
3	#5725.00	62.6 PK	68.2	-5.6	1.20 H	274	57.8	4.8
4	11400.00	57.4 PK	74.0	-16.6	1.67 H	55	47.7	9.7
5	11400.00	44.4 AV	54.0	-9.6	1.67 H	55	34.7	9.7

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	111.3 PK			1.19 V	175	69.2	42.1
2	*5700.00	99.3 AV			1.19 V	175	57.2	42.1
3	#5725.00	65.0 PK	68.2	-3.2	1.19 V	175	60.2	4.8
4	11400.00	57.8 PK	74.0	-16.2	1.55 V	23	48.1	9.7
5	11400.00	44.9 AV	54.0	-9.1	1.55 V	23	35.2	9.7

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) 106-tone RU	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	23°C, 66% RH
Tested By	Titan Hsu		

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	*5745.00	114.7 PK			1.18 H	192	72.3	42.4
2	*5745.00	103.3 AV			1.18 H	192	60.9	42.4
3	11490.00	58.1 PK	74.0	-15.9	1.92 H	52	48.5	9.6
4	11490.00	45.8 AV	54.0	-8.2	1.92 H	52	36.2	9.6

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	*5745.00	120.4 PK			1.08 V	170	78.0	42.4
2	*5745.00	108.7 AV			1.08 V	170	66.3	42.4
3	11490.00	59.7 PK	74.0	-14.3	2.05 V	35	50.1	9.6
4	11490.00	46.7 AV	54.0	-7.3	2.05 V	35	37.1	9.6

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.



RF Mode	802.11ax (HE40) 242-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.24 H	285	56.1	3.3
2	5150.00	46.6 AV	54.0	-7.4	1.24 H	285	43.3	3.3
3	*5190.00	113.2 PK			1.24 H	285	72.3	40.9
4	*5190.00	101.0 AV			1.24 H	285	60.1	40.9
5	#10380.00	56.0 PK	68.2	-12.2	1.57 H	63	47.6	8.4

**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	59.7 PK	74.0	-14.3	1.46 V	183	56.4	3.3
2	5150.00	47.7 AV	54.0	-6.3	1.46 V	183	44.4	3.3
3	*5190.00	115.6 PK			1.46 V	183	74.7	40.9
4	*5190.00	103.2 AV			1.46 V	183	62.3	40.9
5	#10380.00	57.0 PK	68.2	-11.2	1.58 V	23	48.6	8.4

**Remarks:**

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



RF Mode	802.11ax (HE40) 242-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	114.1 PK			1.26 H	288	73.4	40.7
2	*5310.00	101.8 AV			1.26 H	288	61.1	40.7
3	5350.00	62.4 PK	74.0	-11.6	1.26 H	288	59.4	3.0
4	5350.00	48.4 AV	54.0	-5.6	1.26 H	288	45.4	3.0
5	10620.00	56.7 PK	74.0	-17.3	1.67 H	63	47.8	8.9
6	10620.00	43.5 AV	54.0	-10.5	1.67 H	63	34.6	8.9
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	*5310.00	116.3 PK			1.35 V	182	75.6	40.7
2	*5310.00	103.9 AV			1.35 V	182	63.2	40.7
3	5350.00	63.4 PK	74.0	-10.6	1.35 V	182	60.4	3.0
4	5350.00	49.1 AV	54.0	-4.9	1.35 V	182	46.1	3.0
5	10620.00	57.3 PK	74.0	-16.7	1.59 V	46	48.4	8.9
6	10620.00	44.0 AV	54.0	-10.0	1.59 V	46	35.1	8.9

## 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.



RF Mode	802.11ax (HE40) 242-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.8 PK	74.0	-11.2	1.24 H	286	59.7	3.1
2	5460.00	47.9 AV	54.0	-6.1	1.24 H	286	44.8	3.1
3	#5470.00	63.8 PK	68.2	-4.4	1.24 H	286	60.6	3.2
4	*5510.00	115.8 PK			1.24 H	286	74.8	41.0
5	*5510.00	103.6 AV			1.24 H	286	62.6	41.0
6	11020.00	56.7 PK	74.0	-17.3	1.77 H	49	47.7	9.0
7	11020.00	43.5 AV	54.0	-10.5	1.77 H	49	34.5	9.0

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	64.0 PK	74.0	-10.0	1.49 V	189	60.9	3.1
2	5460.00	48.9 AV	54.0	-5.1	1.49 V	189	45.8	3.1
3	#5470.00	65.0 PK	68.2	-3.2	1.49 V	189	61.8	3.2
4	*5510.00	117.2 PK			1.49 V	189	76.2	41.0
5	*5510.00	104.9 AV			1.49 V	189	63.9	41.0
6	11020.00	57.2 PK	74.0	-16.8	1.46 V	27	48.2	9.0
7	11020.00	43.7 AV	54.0	-10.3	1.46 V	27	34.7	9.0

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) 242-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

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	115.2 PK			1.25 H	277	73.3	41.9
2	*5670.00	103.1 AV			1.25 H	277	61.2	41.9
3	#5725.00	64.0 PK	68.2	-4.2	1.25 H	277	59.2	4.8
4	11340.00	57.1 PK	74.0	-16.9	1.57 H	56	47.8	9.3
5	11340.00	43.9 AV	54.0	-10.1	1.57 H	56	34.6	9.3

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	*5670.00	117.5 PK			1.35 V	183	75.6	41.9
2	*5670.00	104.9 AV			1.35 V	183	63.0	41.9
3	#5725.00	67.6 PK	68.2	-0.6	1.35 V	183	62.8	4.8
4	11340.00	57.4 PK	74.0	-16.6	1.58 V	29	48.1	9.3
5	11340.00	44.3 AV	54.0	-9.7	1.58 V	29	35.0	9.3

**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) 242-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

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	*5755.00	115.0 PK			1.27 H	287	72.6	42.4
2	*5755.00	102.7 AV			1.27 H	287	60.3	42.4
3	11510.00	57.8 PK	74.0	-16.2	2.23 H	49	48.2	9.6
4	11510.00	44.9 AV	54.0	-9.1	2.23 H	49	35.3	9.6

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	*5755.00	120.7 PK			1.37 V	181	78.3	42.4
2	*5755.00	108.1 AV			1.37 V	181	65.7	42.4
3	11510.00	58.9 PK	74.0	-15.1	2.21 V	36	49.3	9.6
4	11510.00	46.3 AV	54.0	-7.7	2.21 V	36	36.7	9.6

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.



RF Mode	802.11ax (HE80) 484-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.2 PK	74.0	-10.8	1.26 H	278	59.9	3.3
2	5150.00	49.7 AV	54.0	-4.3	1.26 H	278	46.4	3.3
3	*5210.00	109.3 PK			1.26 H	278	68.4	40.9
4	*5210.00	97.5 AV			1.26 H	278	56.6	40.9
5	5350.00	58.8 PK	74.0	-15.2	1.26 H	278	55.8	3.0
6	5350.00	45.6 AV	54.0	-8.4	1.26 H	278	42.6	3.0
7	#10420.00	55.8 PK	68.2	-12.4	1.62 H	52	47.4	8.4
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	64.4 PK	74.0	-9.6	1.36 V	180	61.1	3.3
2	5150.00	50.7 AV	54.0	-3.3	1.36 V	180	47.4	3.3
3	*5210.00	111.7 PK			1.36 V	180	70.8	40.9
4	*5210.00	99.3 AV			1.36 V	180	58.4	40.9
5	5350.00	59.1 PK	74.0	-14.9	1.36 V	180	56.1	3.0
6	5350.00	45.8 AV	54.0	-8.2	1.36 V	180	42.8	3.0
7	#10420.00	56.6 PK	68.2	-11.6	1.59 V	28	48.2	8.4

Remarks:

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



RF Mode	802.11ax (HE80) 484-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.6 PK	74.0	-15.4	1.28 H	281	55.3	3.3
2	5150.00	45.8 AV	54.0	-8.2	1.28 H	281	42.5	3.3
3	*5290.00	108.0 PK			1.28 H	281	67.2	40.8
4	*5290.00	95.4 AV			1.28 H	281	54.6	40.8
5	5350.00	64.2 PK	74.0	-9.8	1.28 H	281	61.2	3.0
6	5350.00	51.9 AV	54.0	-2.1	1.28 H	281	48.9	3.0
7	#10580.00	56.4 PK	68.2	-11.8	1.63 H	56	47.6	8.8

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	58.6 PK	74.0	-15.4	1.33 V	182	55.3	3.3
2	5150.00	45.9 AV	54.0	-8.1	1.33 V	182	42.6	3.3
3	*5290.00	109.6 PK			1.33 V	182	68.8	40.8
4	*5290.00	97.6 AV			1.33 V	182	56.8	40.8
5	5350.00	66.4 PK	74.0	-7.6	1.33 V	182	63.4	3.0
6	5350.00	53.3 AV	54.0	-0.7	1.33 V	182	50.3	3.0
7	#10580.00	56.9 PK	68.2	-11.3	1.59 V	52	48.1	8.8

Remarks:

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





RF Mode	802.11ax (HE80) 484-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

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	63.9 PK	74.0	-10.1	1.18 H	278	60.8	3.1
2	5460.00	50.8 AV	54.0	-3.2	1.18 H	278	47.7	3.1
3	#5470.00	65.3 PK	68.2	-2.9	1.18 H	278	62.1	3.2
4	*5530.00	109.5 PK			1.18 H	278	68.4	41.1
5	*5530.00	97.2 AV			1.18 H	278	56.1	41.1
6	11060.00	56.7 PK	74.0	-17.3	1.66 H	48	47.7	9.0
7	11060.00	43.6 AV	54.0	-10.4	1.66 H	48	34.6	9.0

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	65.5 PK	74.0	-8.5	1.34 V	173	62.4	3.1
2	5460.00	53.3 AV	54.0	-0.7	1.34 V	173	50.2	3.1
3	#5470.00	67.3 PK	68.2	-0.9	1.34 V	173	64.1	3.2
4	*5530.00	112.4 PK			1.34 V	173	71.3	41.1
5	*5530.00	100.6 AV			1.34 V	173	59.5	41.1
6	11060.00	56.8 PK	74.0	-17.2	1.69 V	46	47.8	9.0
7	11060.00	43.7 AV	54.0	-10.3	1.69 V	46	34.7	9.0

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) 484-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	121.0 PK			1.24 H	283	78.6	42.4
2	*5775.00	98.5 AV			1.24 H	283	56.1	42.4
3	11550.00	57.2 PK	74.0	-16.8	2.06 H	58	47.7	9.5
4	11550.00	44.7 AV	54.0	-9.3	2.06 H	58	35.2	9.5
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	*5775.00	116.3 PK			1.22 V	180	73.9	42.4
2	*5775.00	104.0 AV			1.22 V	180	61.6	42.4
3	11550.00	57.8 PK	74.0	-16.2	1.84 V	28	48.3	9.5
4	11550.00	45.3 AV	54.0	-8.7	1.84 V	28	35.8	9.5

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 (HE160) 996-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.0 PK	74.0	-13.0	1.22 H	275	57.7	3.3
2	5150.00	48.9 AV	54.0	-5.1	1.22 H	275	45.6	3.3
3	*5250.00	105.4 PK			1.22 H	275	64.6	40.8
4	*5250.00	93.1 AV			1.22 H	275	52.3	40.8
5	5350.00	58.7 PK	74.0	-15.3	1.22 H	275	55.7	3.0
6	5350.00	45.7 AV	54.0	-8.3	1.22 H	275	42.7	3.0
7	#10500.00	55.7 PK	68.2	-12.5	1.68 H	56	47.4	8.3

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	61.4 PK	74.0	-12.6	1.29 V	183	58.1	3.3
2	5150.00	48.4 AV	54.0	-5.6	1.29 V	183	45.1	3.3
3	*5250.00	106.7 PK			1.29 V	183	65.9	40.8
4	*5250.00	94.6 AV			1.29 V	183	53.8	40.8
5	5350.00	59.7 PK	74.0	-14.3	1.29 V	183	56.7	3.0
6	5350.00	46.4 AV	54.0	-7.6	1.29 V	183	43.4	3.0
7	#10500.00	56.0 PK	68.2	-12.2	1.69 V	56	47.7	8.3

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 (HE160) 996-tone RU	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	23°C, 67% RH
Tested By	Titan Hsu		

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	63.2 PK	74.0	-10.8	1.20 H	283	60.1	3.1
2	5460.00	51.0 AV	54.0	-3.0	1.20 H	283	47.9	3.1
3	#5470.00	64.5 PK	68.2	-3.7	1.20 H	283	61.3	3.2
4	*5570.00	105.9 PK			1.20 H	283	64.6	41.3
5	*5570.00	93.5 AV			1.20 H	283	52.2	41.3
6	#5725.00	60.3 PK	68.2	-7.9	1.20 H	283	55.5	4.8
7	11140.00	56.4 PK	74.0	-17.6	1.68 H	52	47.4	9.0
8	11140.00	43.5 AV	54.0	-10.5	1.68 H	52	34.5	9.0

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	65.7 PK	74.0	-8.3	1.30 V	175	62.6	3.1
2	5460.00	52.8 AV	54.0	-1.2	1.30 V	175	49.7	3.1
3	#5470.00	66.9 PK	68.2	-1.3	1.30 V	175	63.7	3.2
4	*5570.00	108.7 PK			1.30 V	175	67.4	41.3
5	*5570.00	96.4 AV			1.30 V	175	55.1	41.3
6	#5725.00	61.7 PK	68.2	-6.5	1.30 V	175	56.9	4.8
7	11140.00	56.6 PK	74.0	-17.4	1.53 V	36	47.6	9.0
8	11140.00	43.7 AV	54.0	-10.3	1.53 V	36	34.7	9.0

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 (HE160) 996-tone RU RU996S	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	1.25 H	281	56.2	3.3
2	5150.00	46.0 AV	54.0	-8.0	1.25 H	281	42.7	3.3
3	*5250.00	105.4 PK			1.25 H	281	64.6	40.8
4	*5250.00	93.0 AV			1.25 H	281	52.2	40.8
5	5350.00	65.2 PK	74.0	-8.8	1.25 H	281	62.2	3.0
6	5350.00	51.2 AV	54.0	-2.8	1.25 H	281	48.2	3.0
7	#10500.00	55.9 PK	68.2	-12.3	1.83 H	55	47.6	8.3

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	59.7 PK	74.0	-14.3	1.35 V	186	56.4	3.3
2	5150.00	46.6 AV	54.0	-7.4	1.35 V	186	43.3	3.3
3	*5250.00	107.0 PK			1.35 V	186	66.2	40.8
4	*5250.00	94.7 AV			1.35 V	186	53.9	40.8
5	5350.00	65.4 PK	74.0	-8.6	1.35 V	186	62.4	3.0
6	5350.00	52.5 AV	54.0	-1.5	1.35 V	186	49.5	3.0
7	#10500.00	56.1 PK	68.2	-12.1	1.66 V	51	47.8	8.3

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 (HE160) 996-tone RU RU996S	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	23°C, 67% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	1.25 H	279	55.8	3.1
2	5460.00	45.8 AV	54.0	-8.2	1.25 H	279	42.7	3.1
3	#5470.00	60.5 PK	68.2	-7.7	1.25 H	279	57.3	3.2
4	*5570.00	106.4 PK			1.25 H	279	65.1	41.3
5	*5570.00	94.0 AV			1.25 H	279	52.7	41.3
6	#5725.00	60.7 PK	68.2	-7.5	1.25 H	279	55.9	4.8
7	11140.00	56.5 PK	74.0	-17.5	1.72 H	59	47.5	9.0
8	11140.00	43.4 AV	54.0	-10.6	1.72 H	59	34.4	9.0
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	59.3 PK	74.0	-14.7	1.32 V	176	56.2	3.1
2	5460.00	46.4 AV	54.0	-7.6	1.32 V	176	43.3	3.1
3	*5570.00	109.2 PK			1.32 V	176	67.9	41.3
4	*5570.00	96.9 AV			1.32 V	176	55.6	41.3
5	#5725.00	62.2 PK	68.2	-6.0	1.32 V	176	57.4	4.8
6	11140.00	56.7 PK	74.0	-17.3	1.55 V	42	47.7	9.0
7	11140.00	43.7 AV	54.0	-10.3	1.55 V	42	34.7	9.0

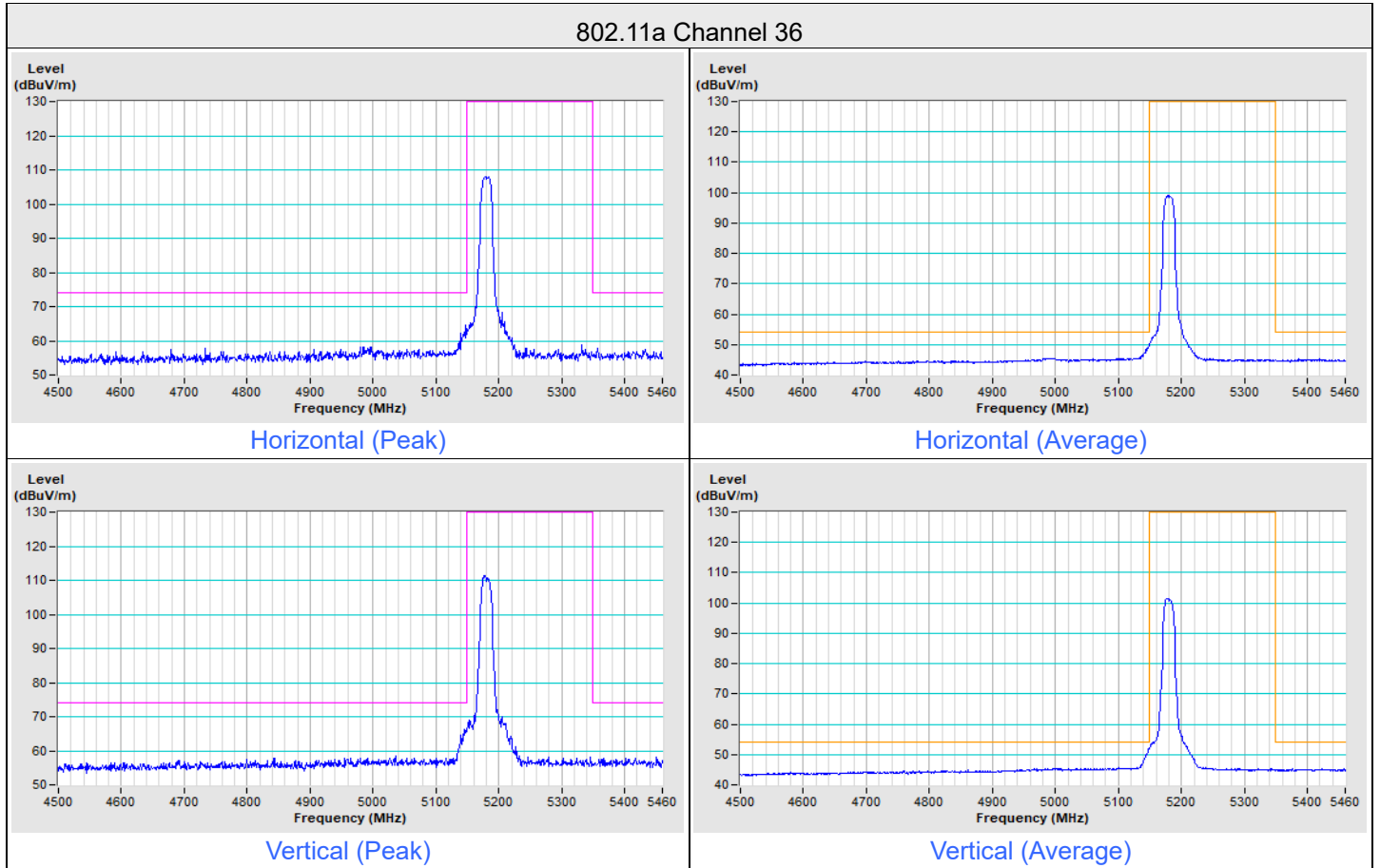
## Remarks:

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.

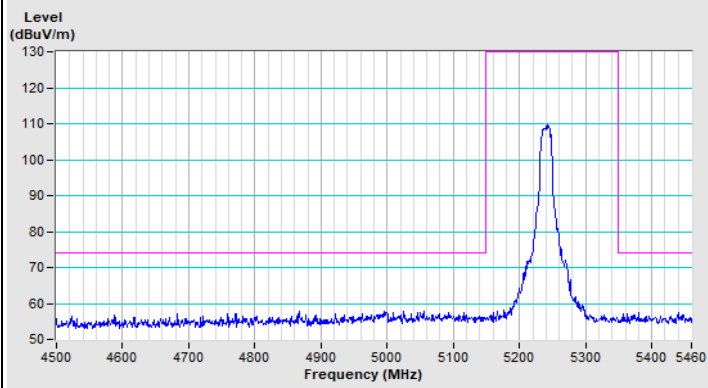
# Plot of Band Edge

## Chain 0

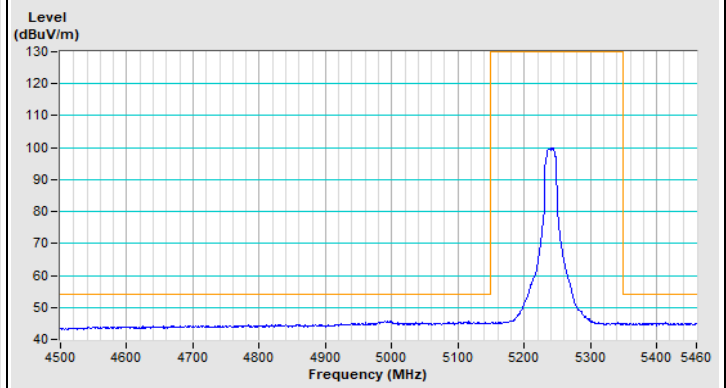
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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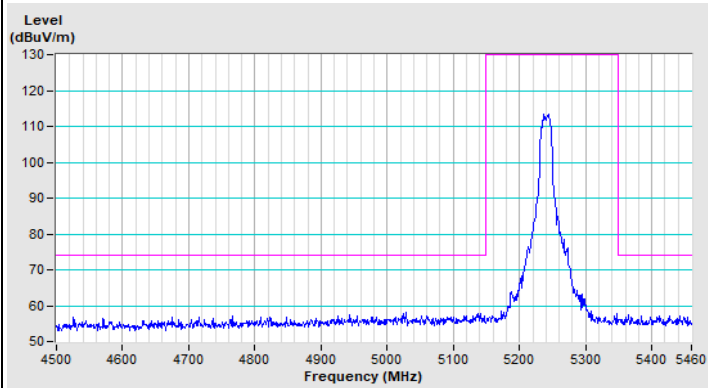
### 802.11a Channel 48



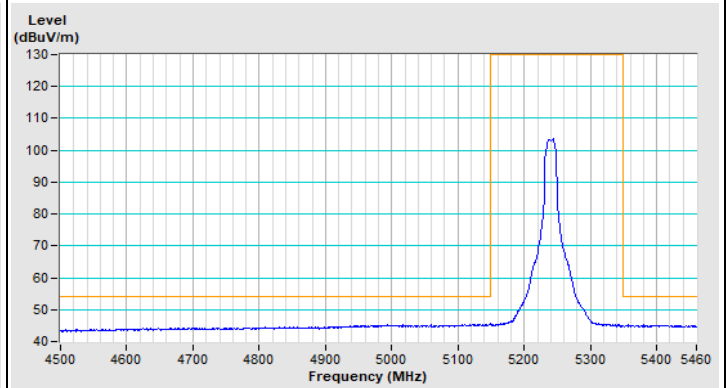
Horizontal (Peak)



Horizontal (Average)

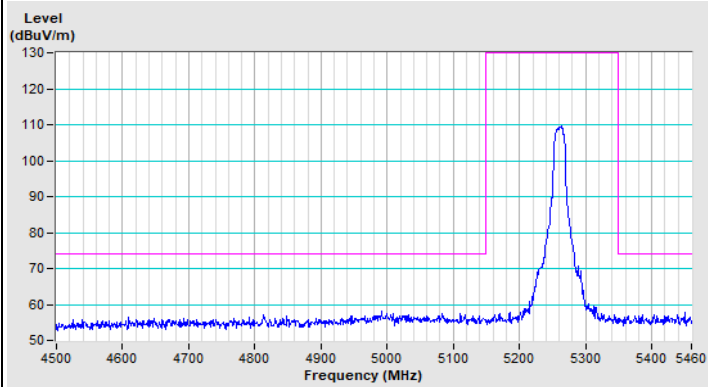


Vertical (Peak)

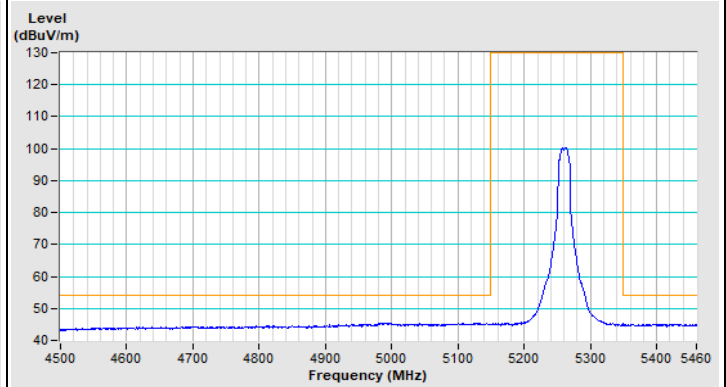


Vertical (Average)

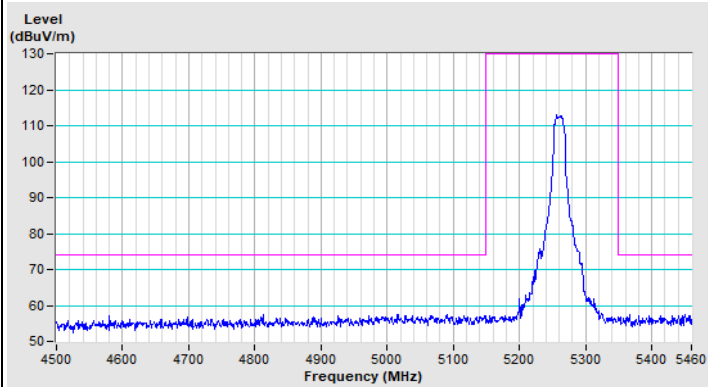
### 802.11a Channel 52



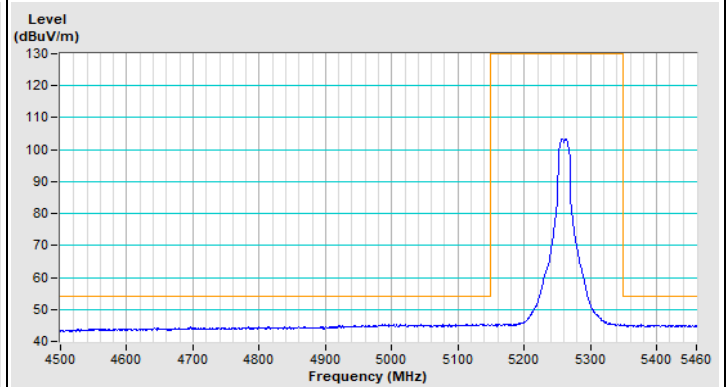
Horizontal (Peak)



Horizontal (Average)



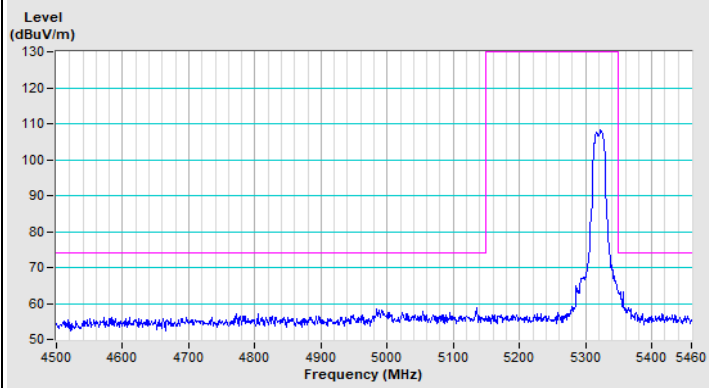
Vertical (Peak)



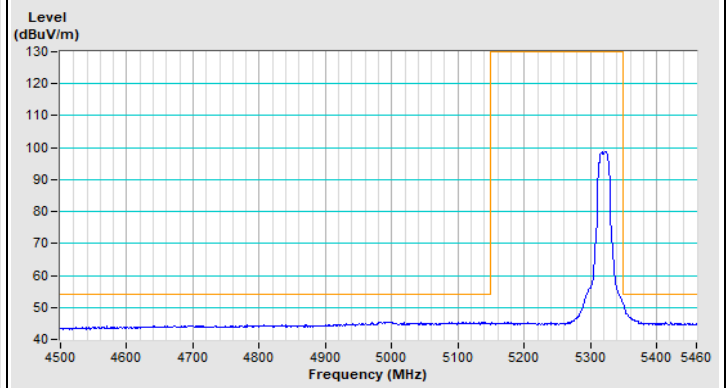
Vertical (Average)



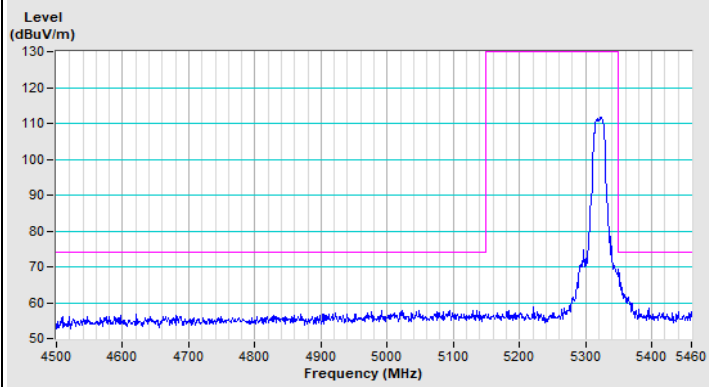
### 802.11a Channel 64



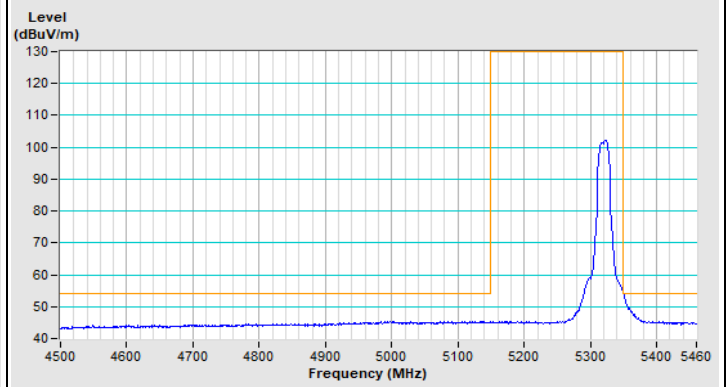
Horizontal (Peak)



Horizontal (Average)



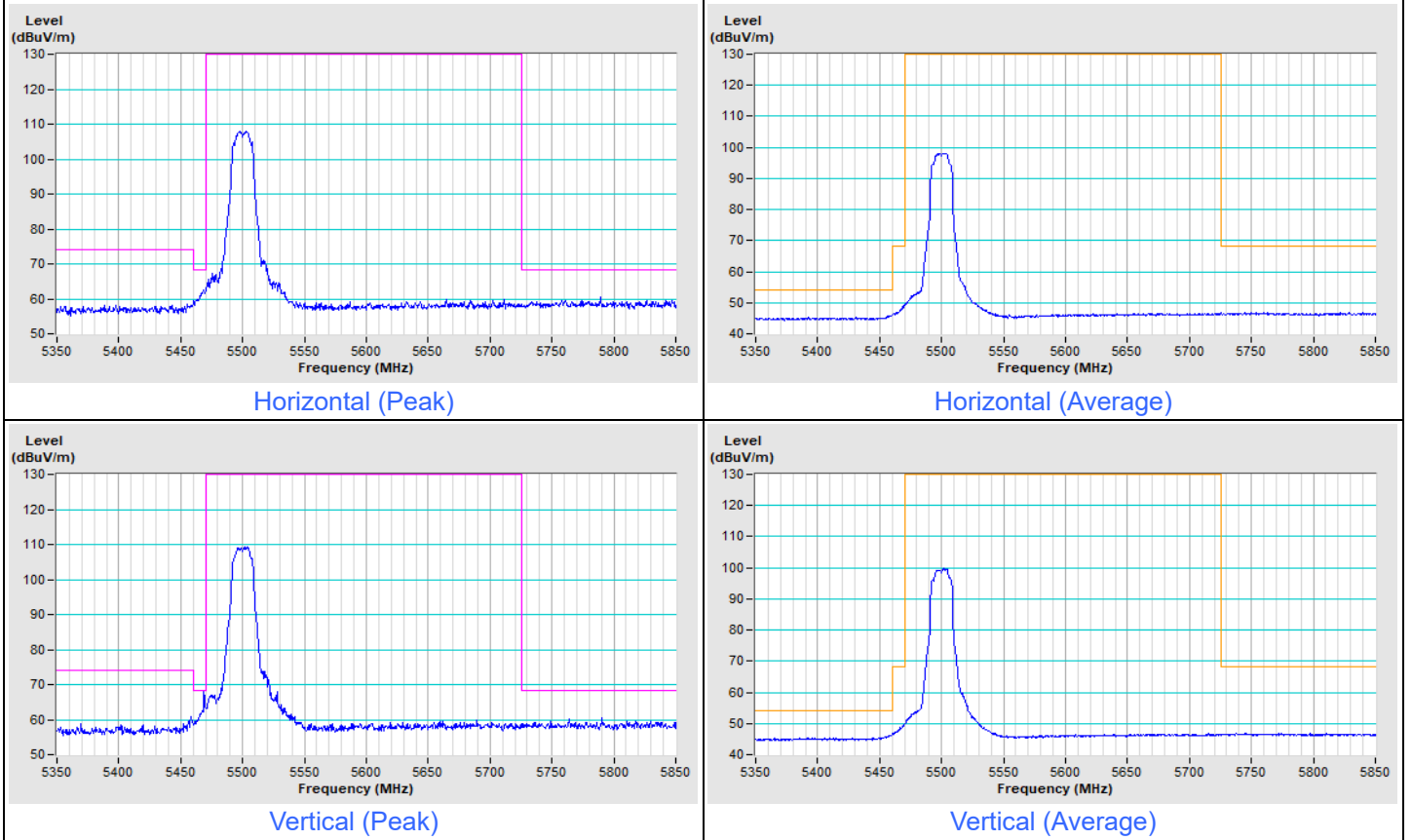
Vertical (Peak)



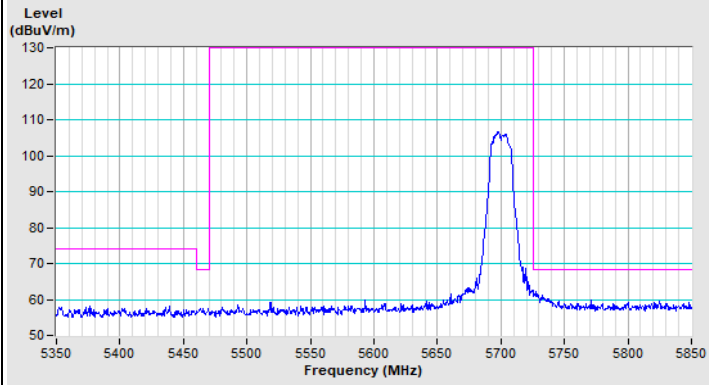
Vertical (Average)

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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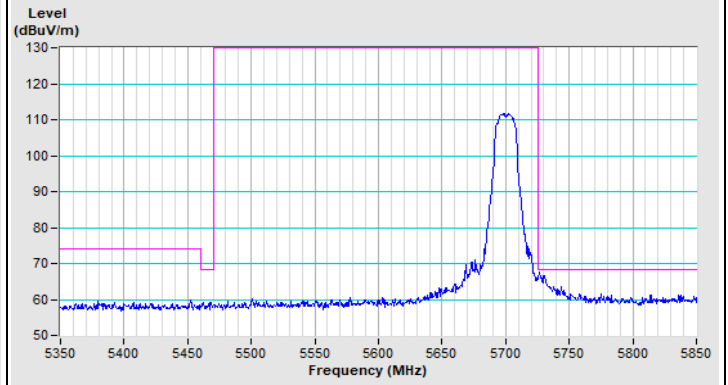
### 802.11a Channel 100



### 802.11a Channel 140

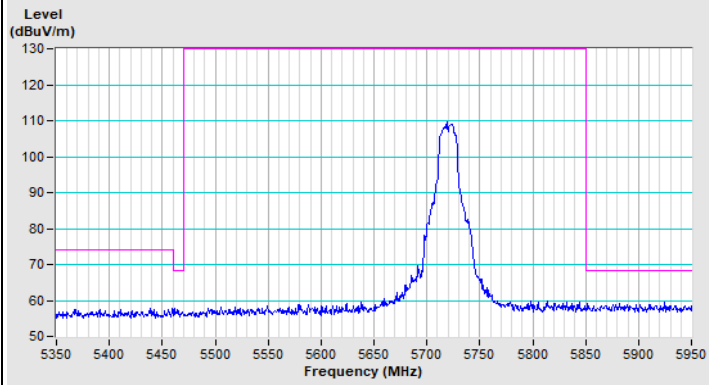


Horizontal (Peak)

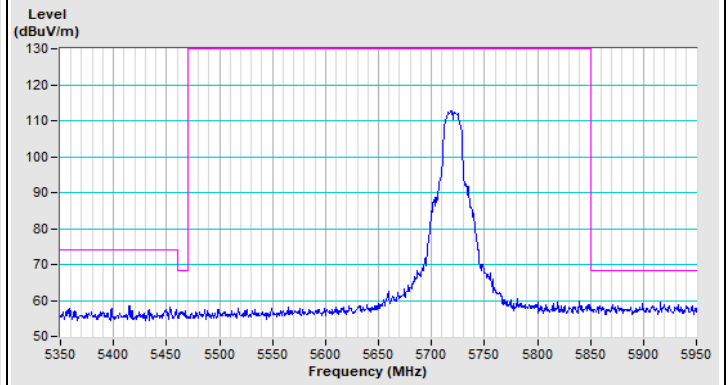


Vertical (Peak)

### 802.11a Channel 144



Horizontal (Peak)

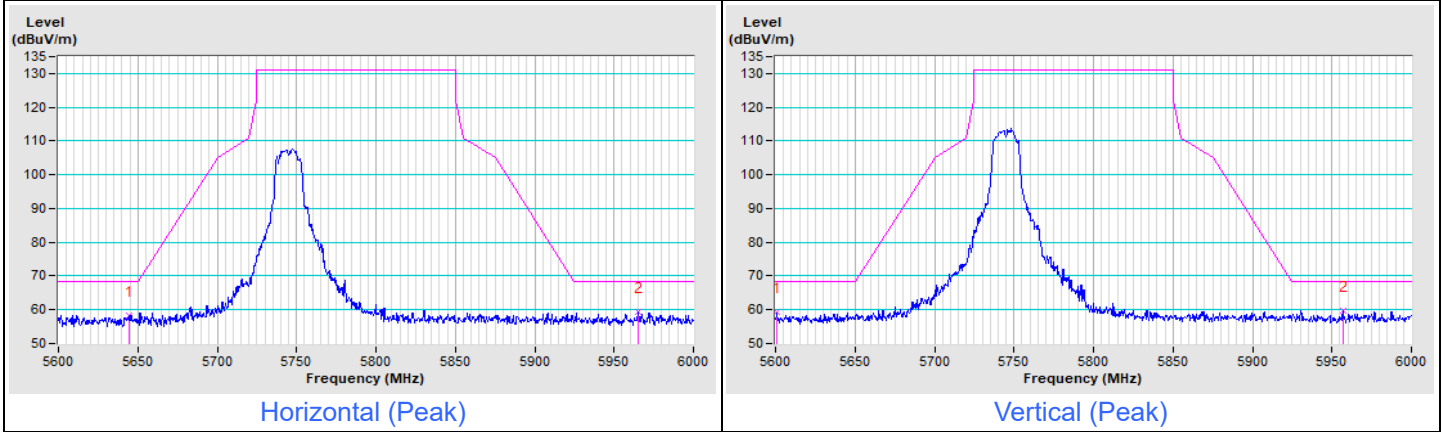


Vertical (Peak)

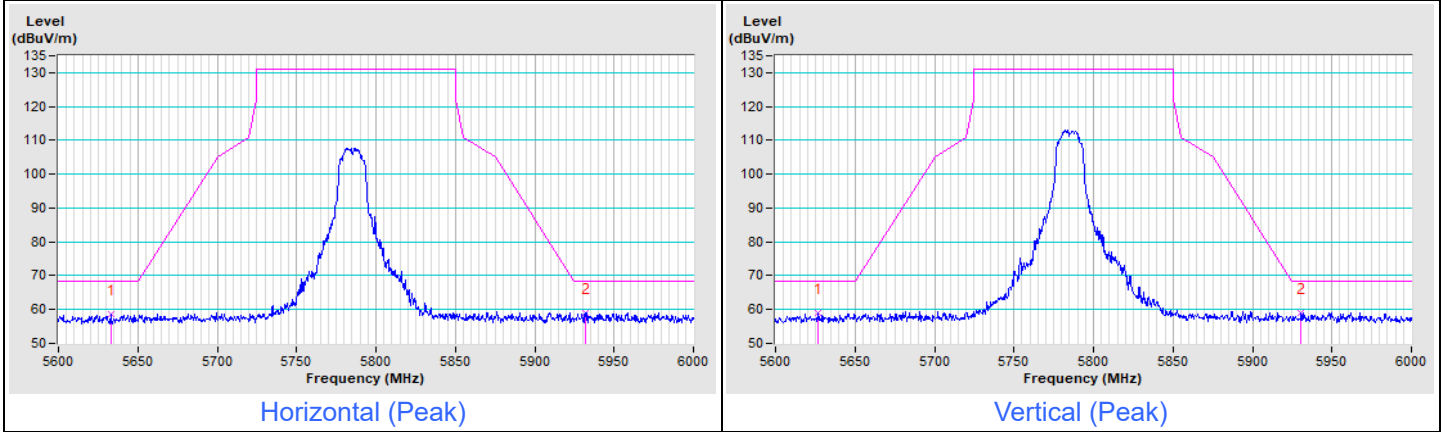


Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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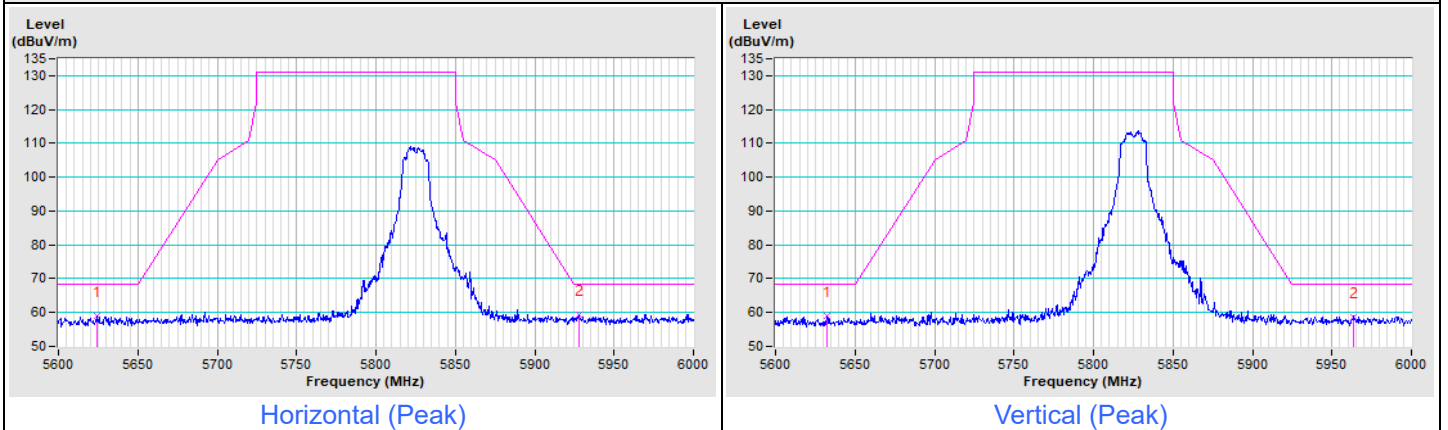
### 802.11a Channel 149



### 802.11a Channel 157



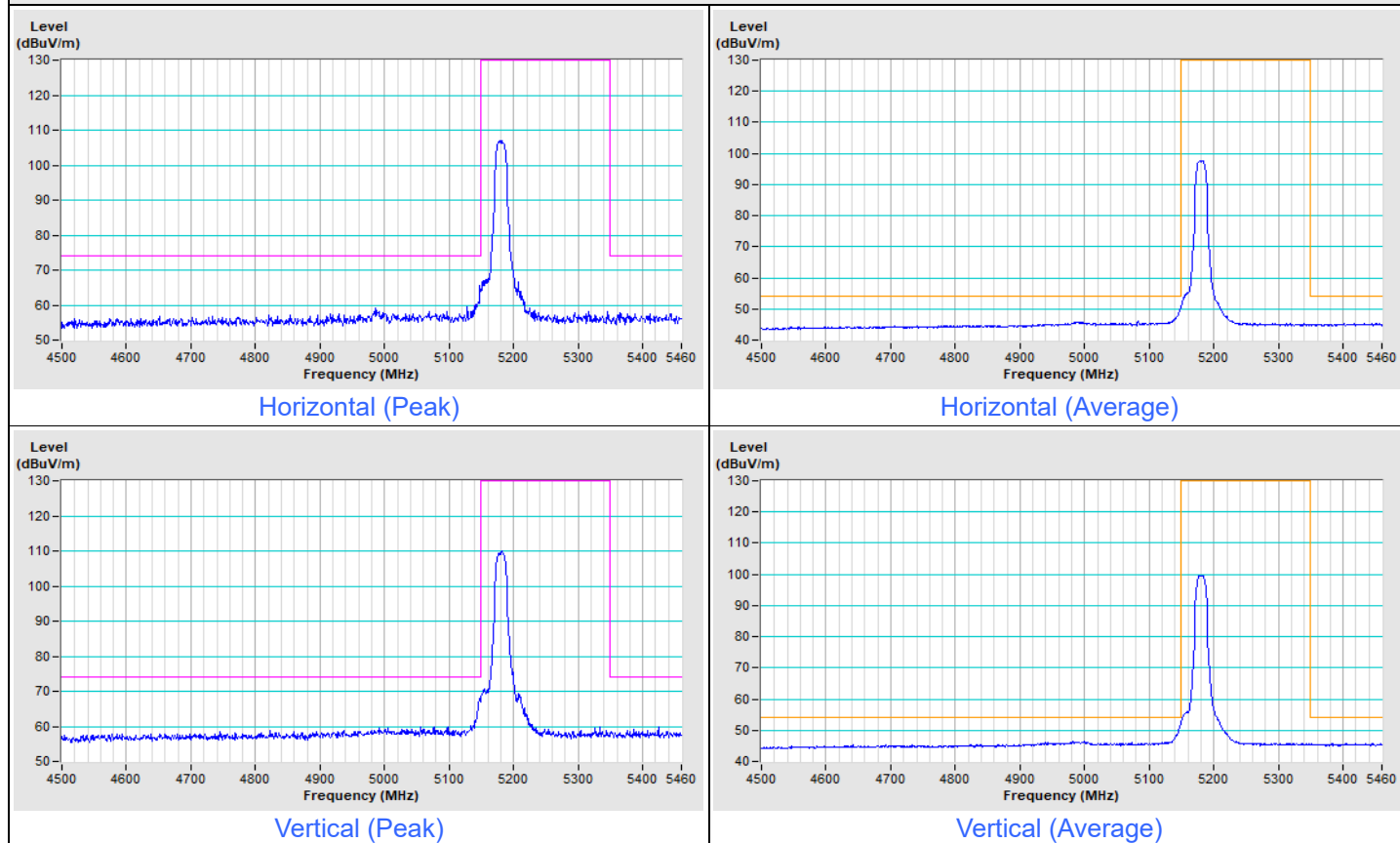
### 802.11a Channel 165



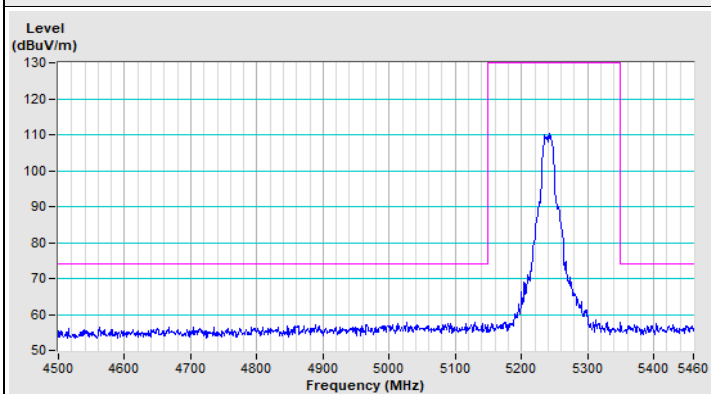
Chain 1

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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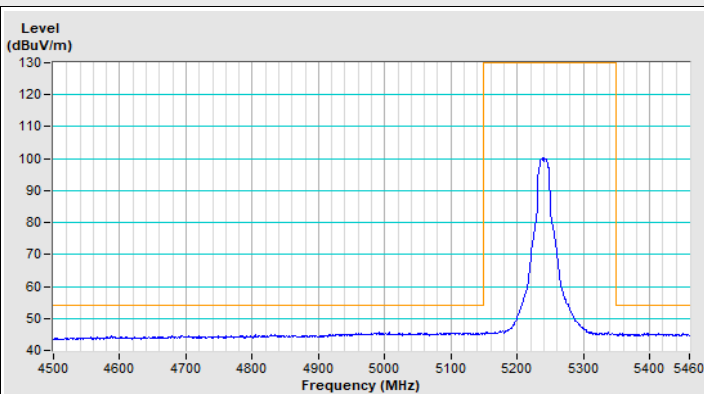
802.11a Channel 36



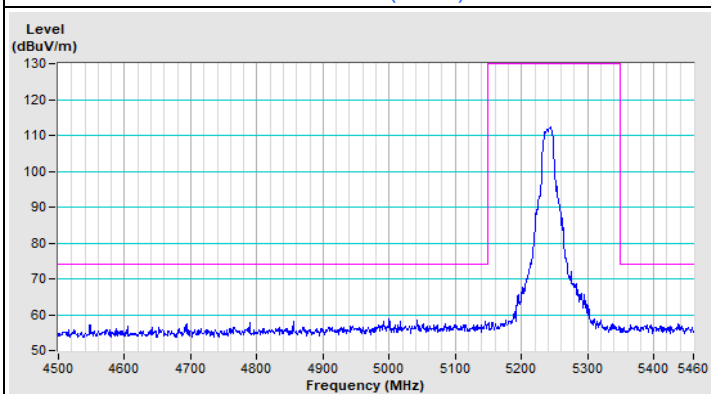
### 802.11a Channel 48



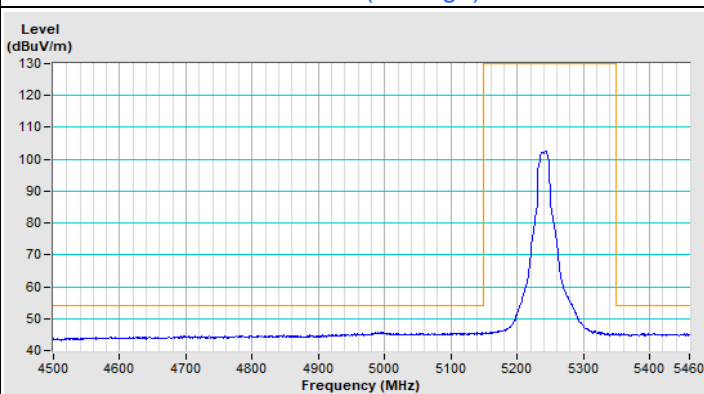
Horizontal (Peak)



Horizontal (Average)

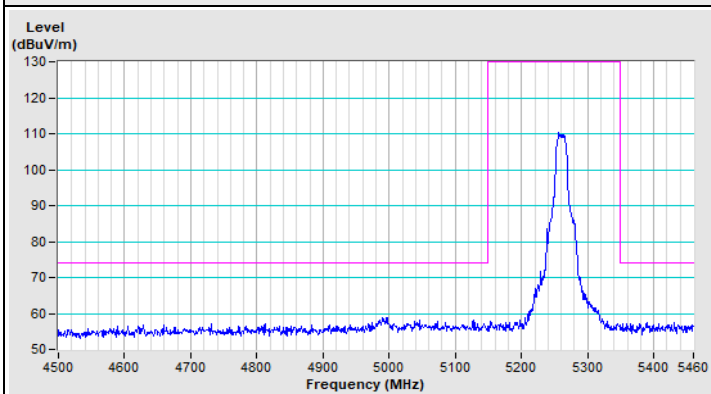


Vertical (Peak)

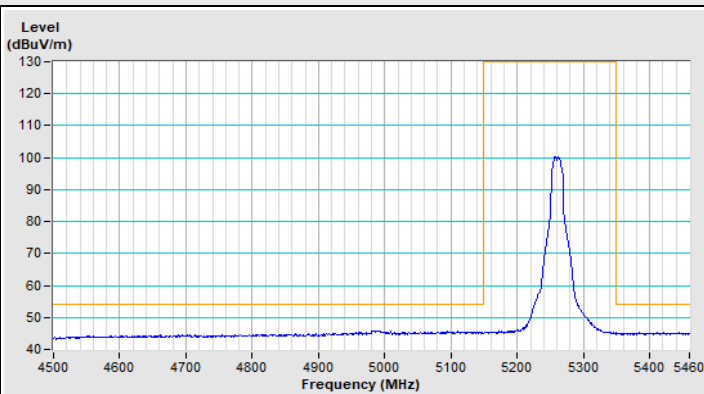


Vertical (Average)

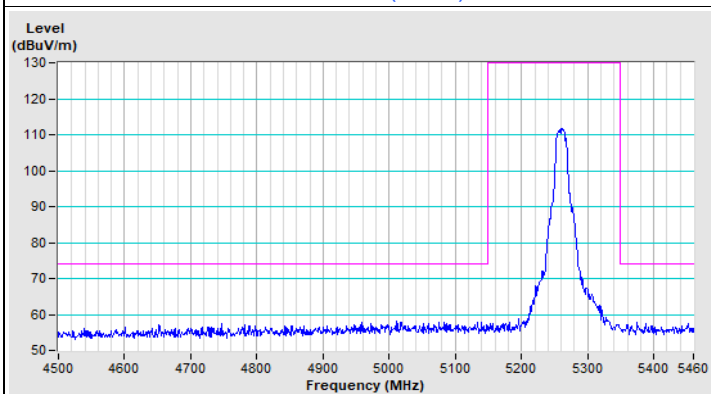
### 802.11a Channel 52



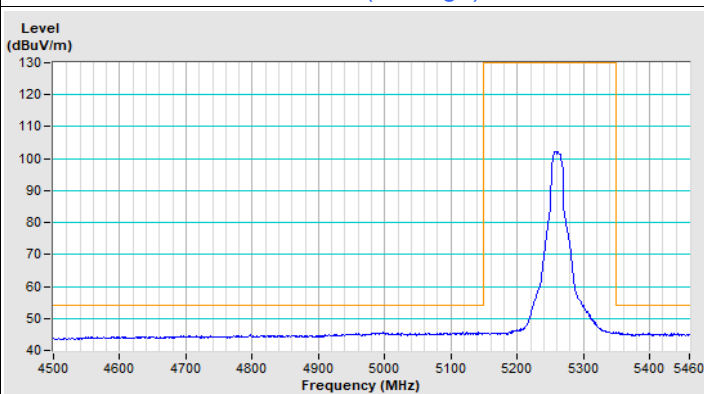
Horizontal (Peak)



Horizontal (Average)

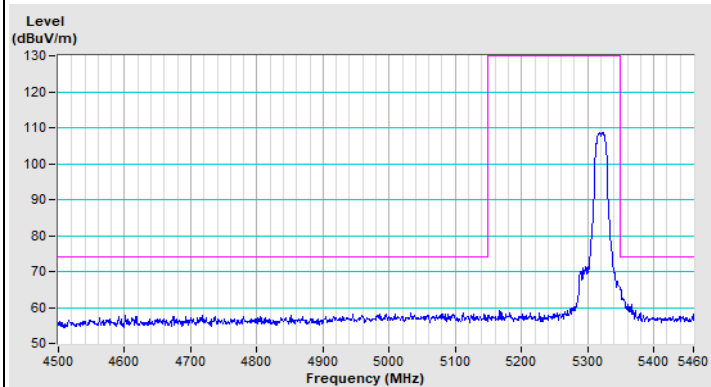


Vertical (Peak)

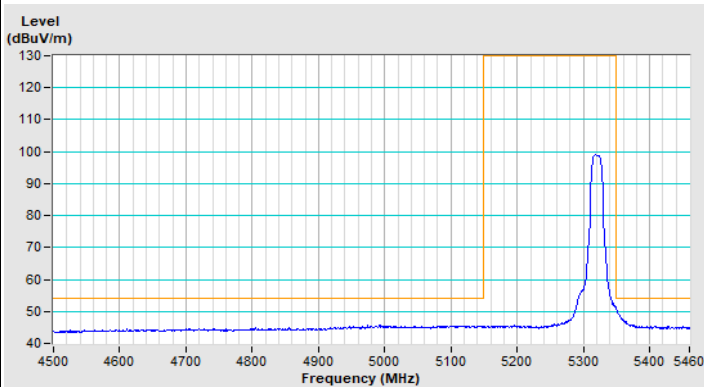


Vertical (Average)

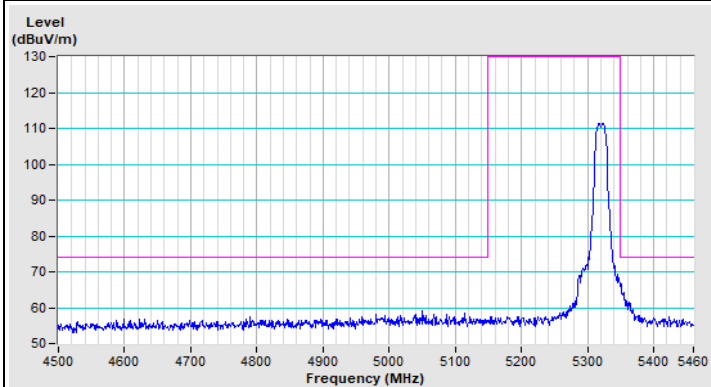
### 802.11a Channel 64



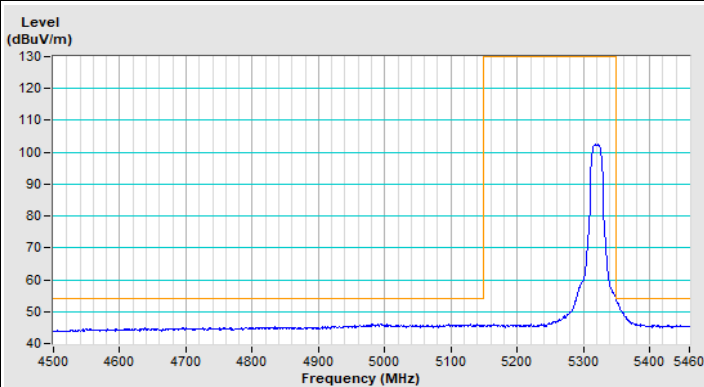
Horizontal (Peak)



Horizontal (Average)



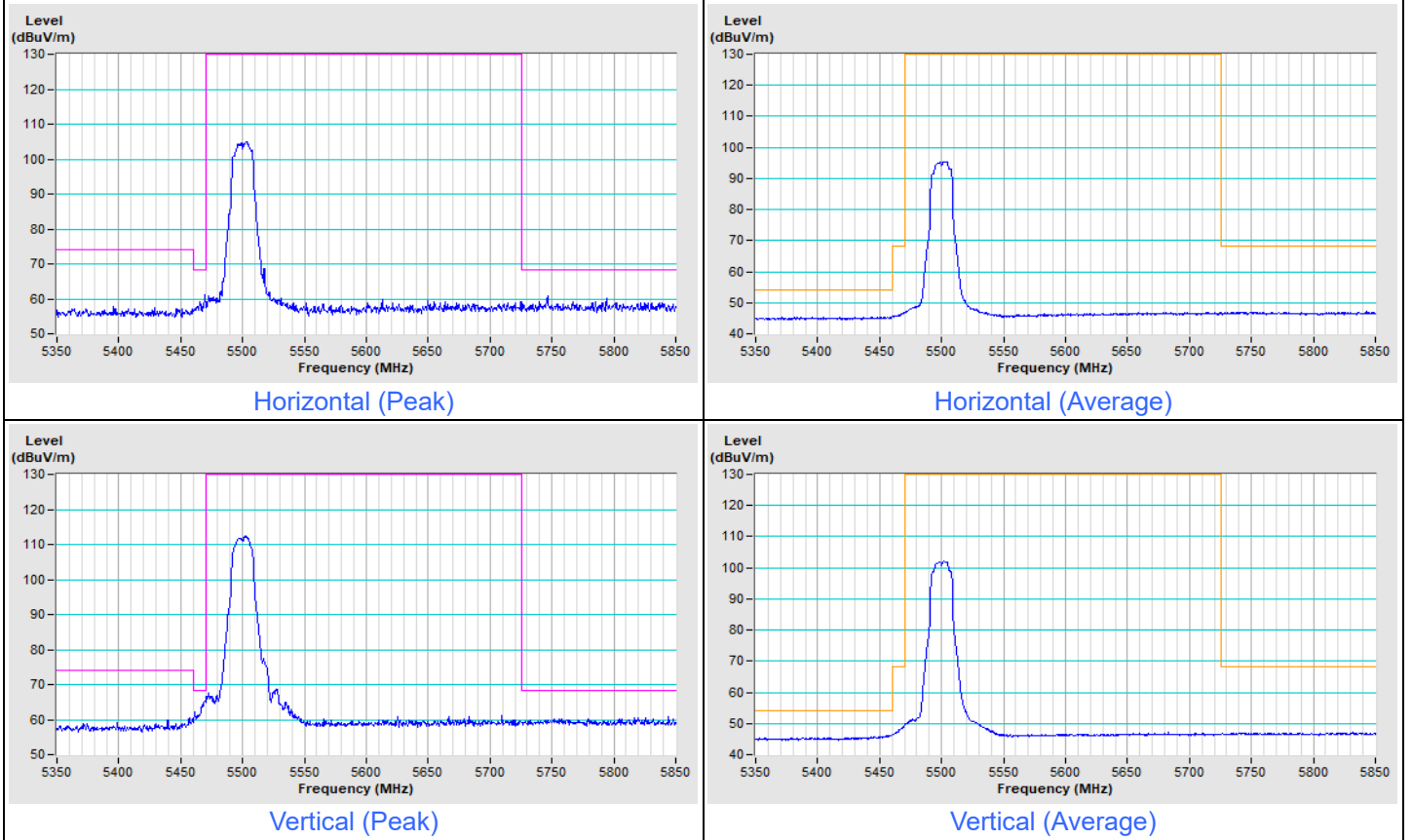
Vertical (Peak)



Vertical (Average)

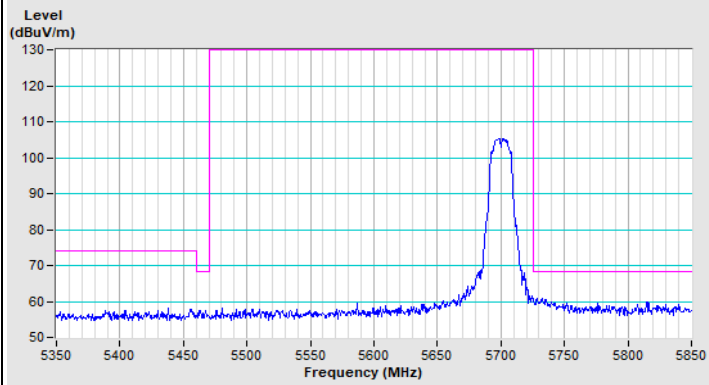
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11a Channel 100

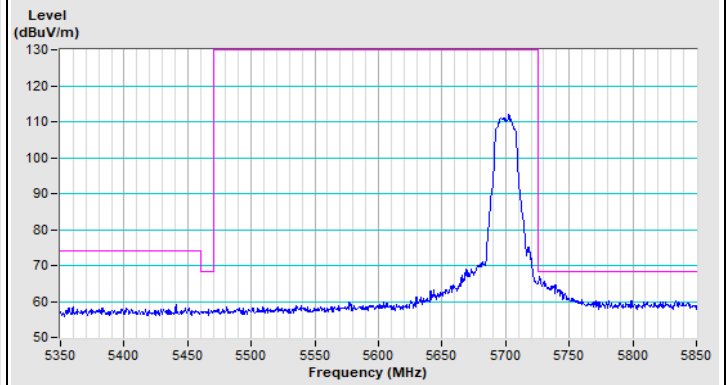




### 802.11a Channel 140

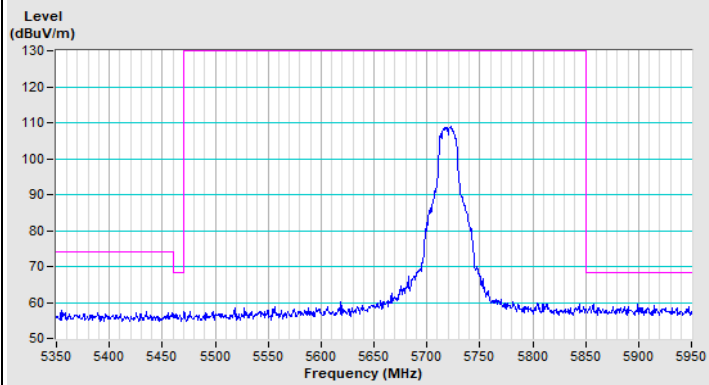


Horizontal (Peak)

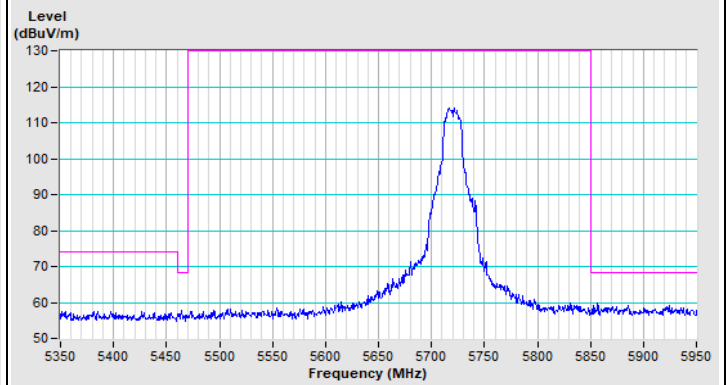


Vertical (Peak)

### 802.11a Channel 144



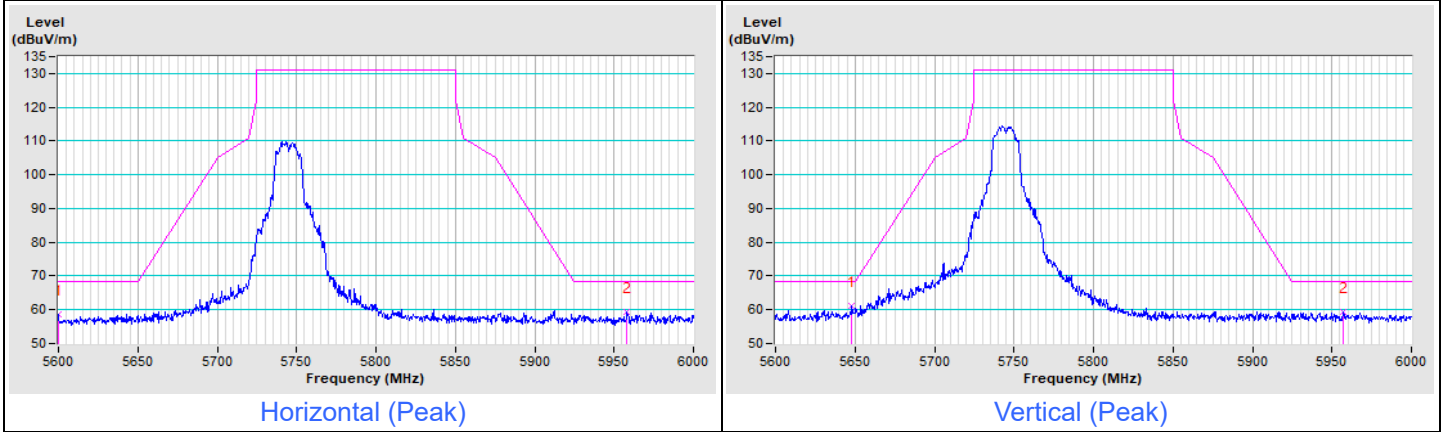
Horizontal (Peak)



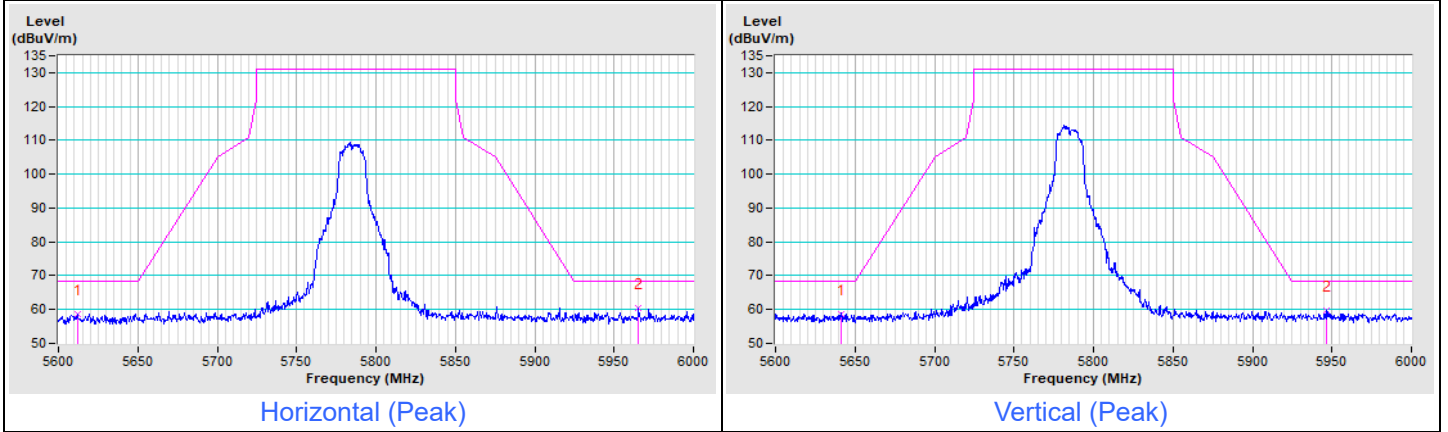
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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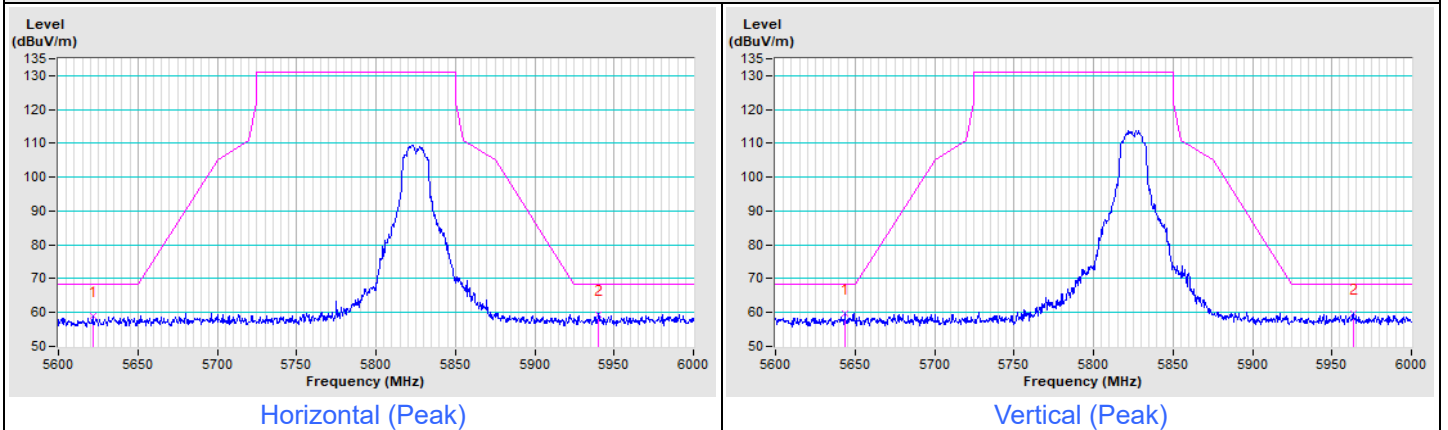
### 802.11a Channel 149



### 802.11a Channel 157

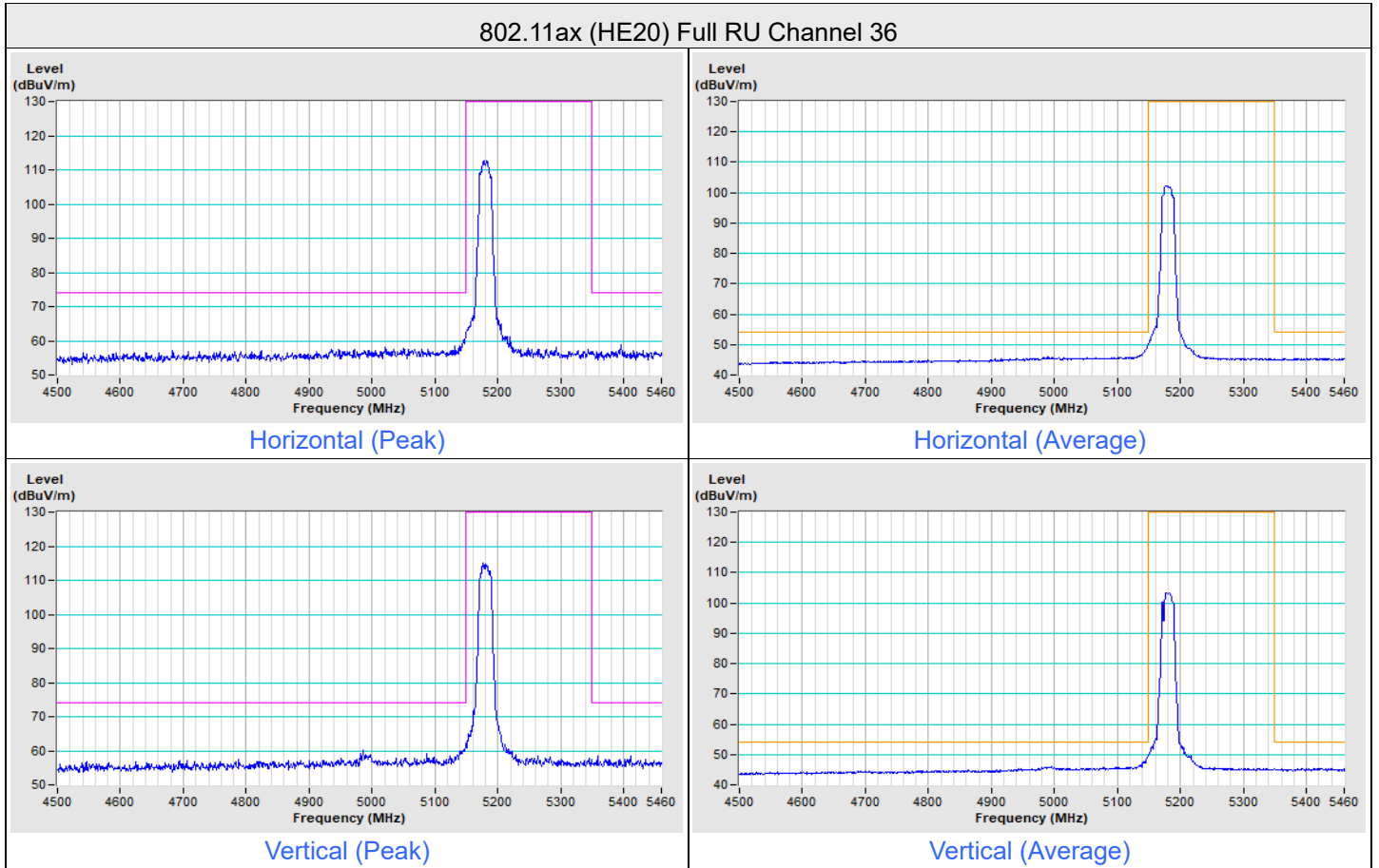


### 802.11a Channel 165

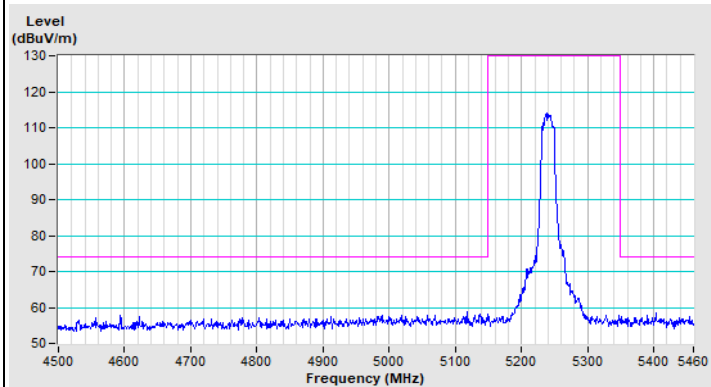


MIMO

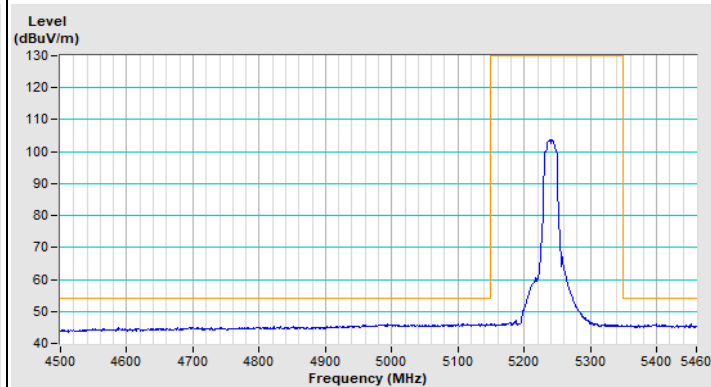
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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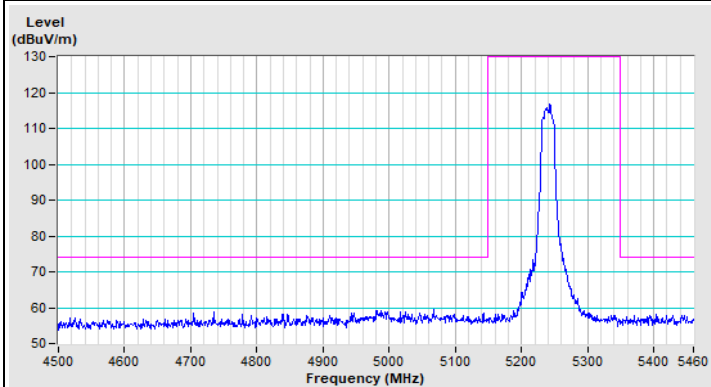
### 802.11ax (HE20) Full RU Channel 48



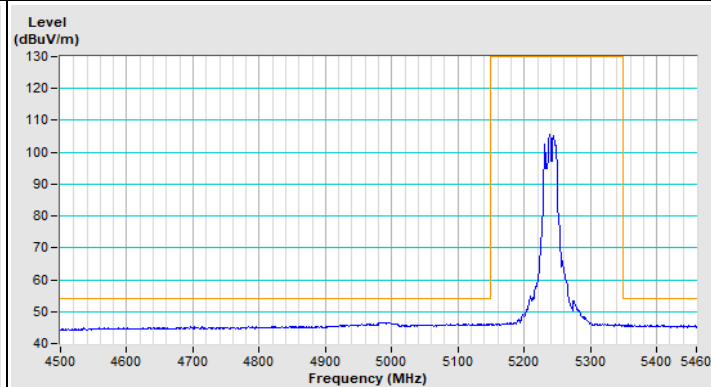
Horizontal (Peak)



Horizontal (Average)



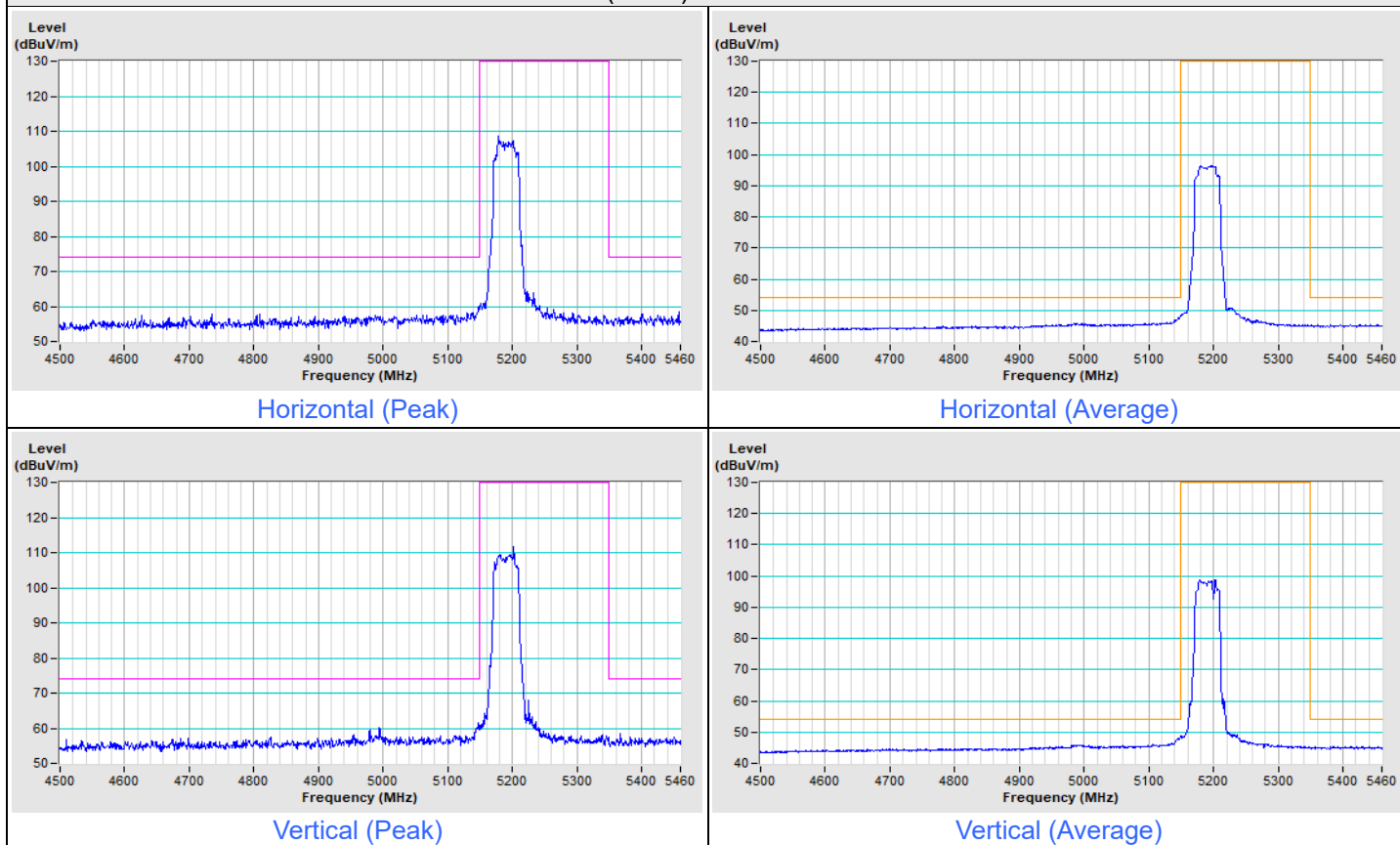
Vertical (Peak)



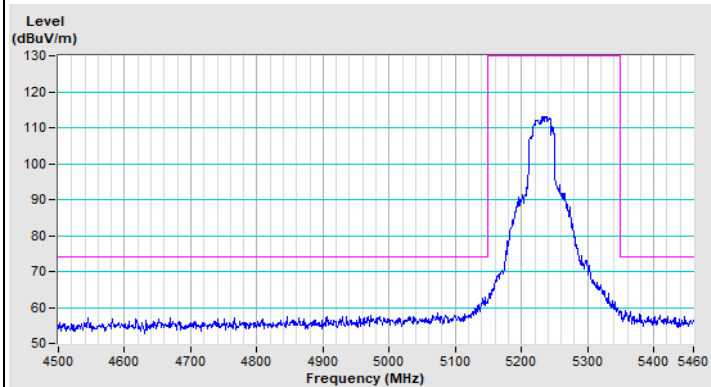
Vertical (Average)

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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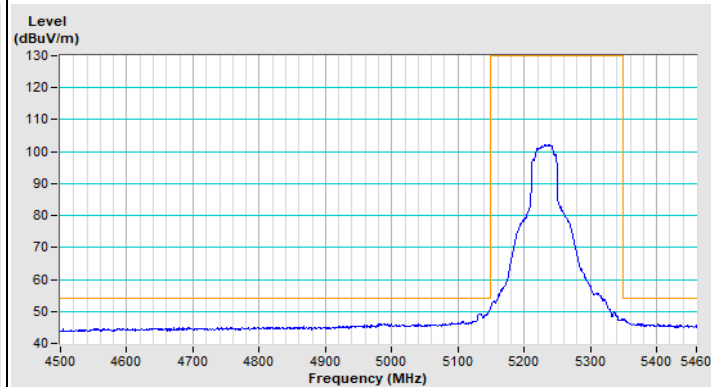
802.11ax (HE40) Full RU Channel 38



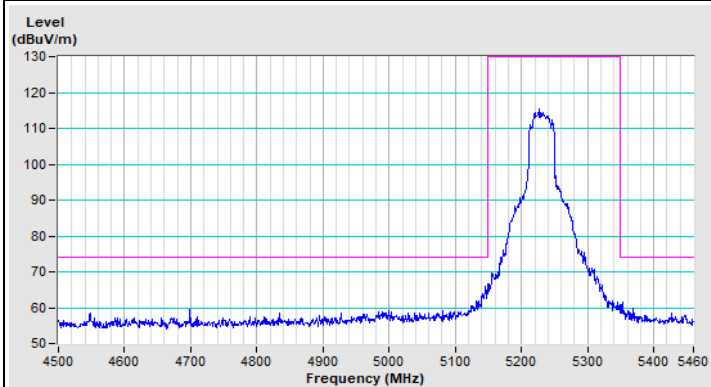
### 802.11ax (HE40) Full RU Channel 46



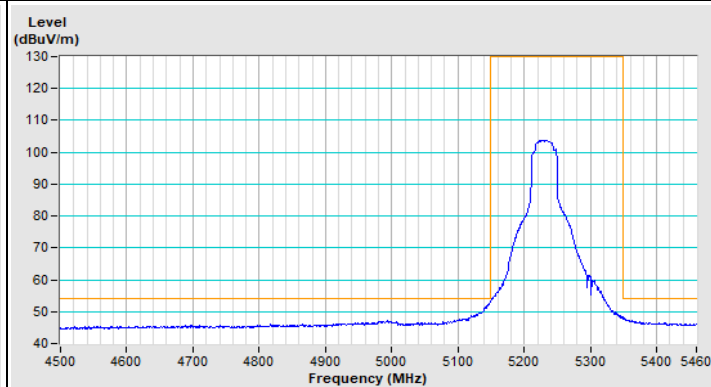
Horizontal (Peak)



Horizontal (Average)



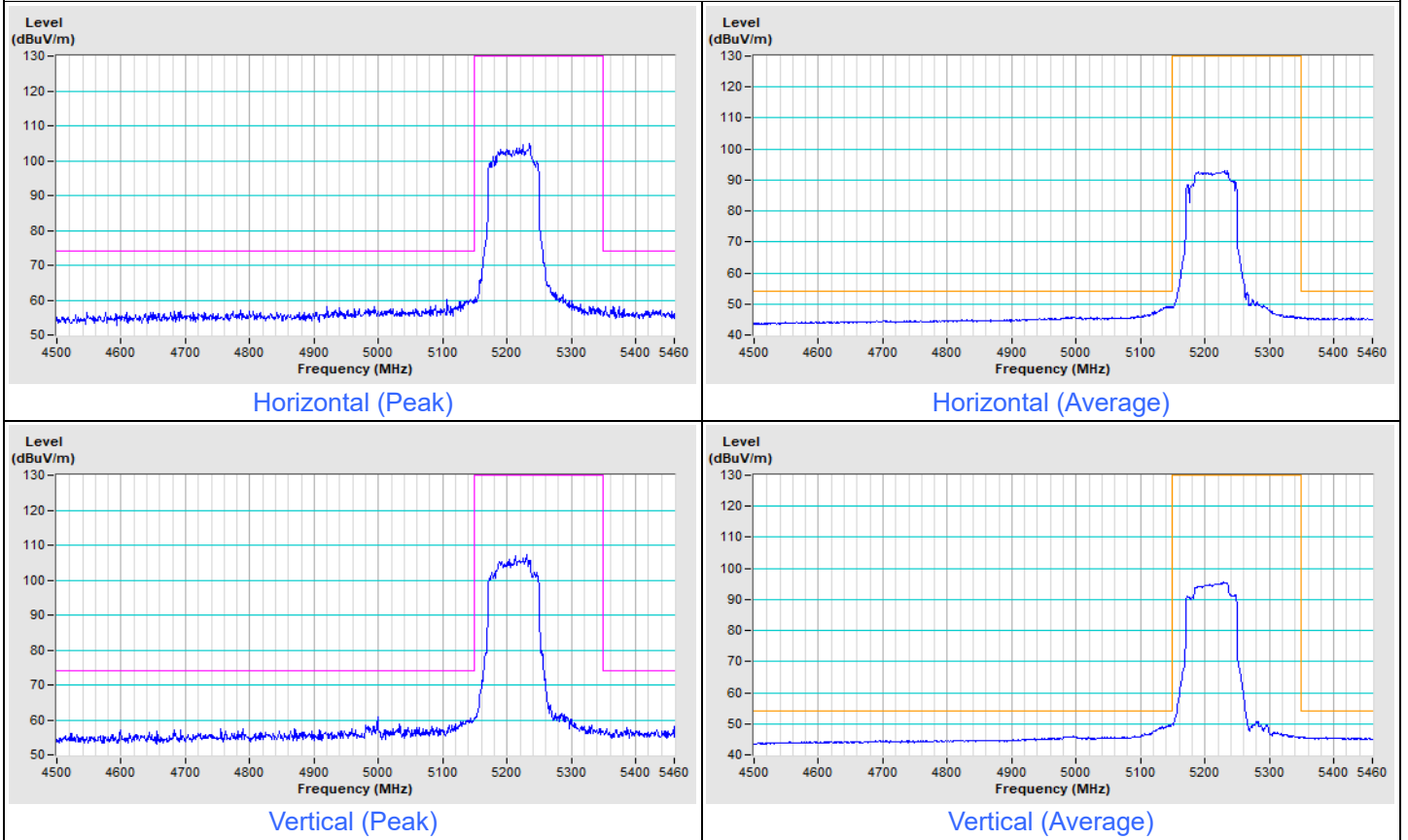
Vertical (Peak)



Vertical (Average)

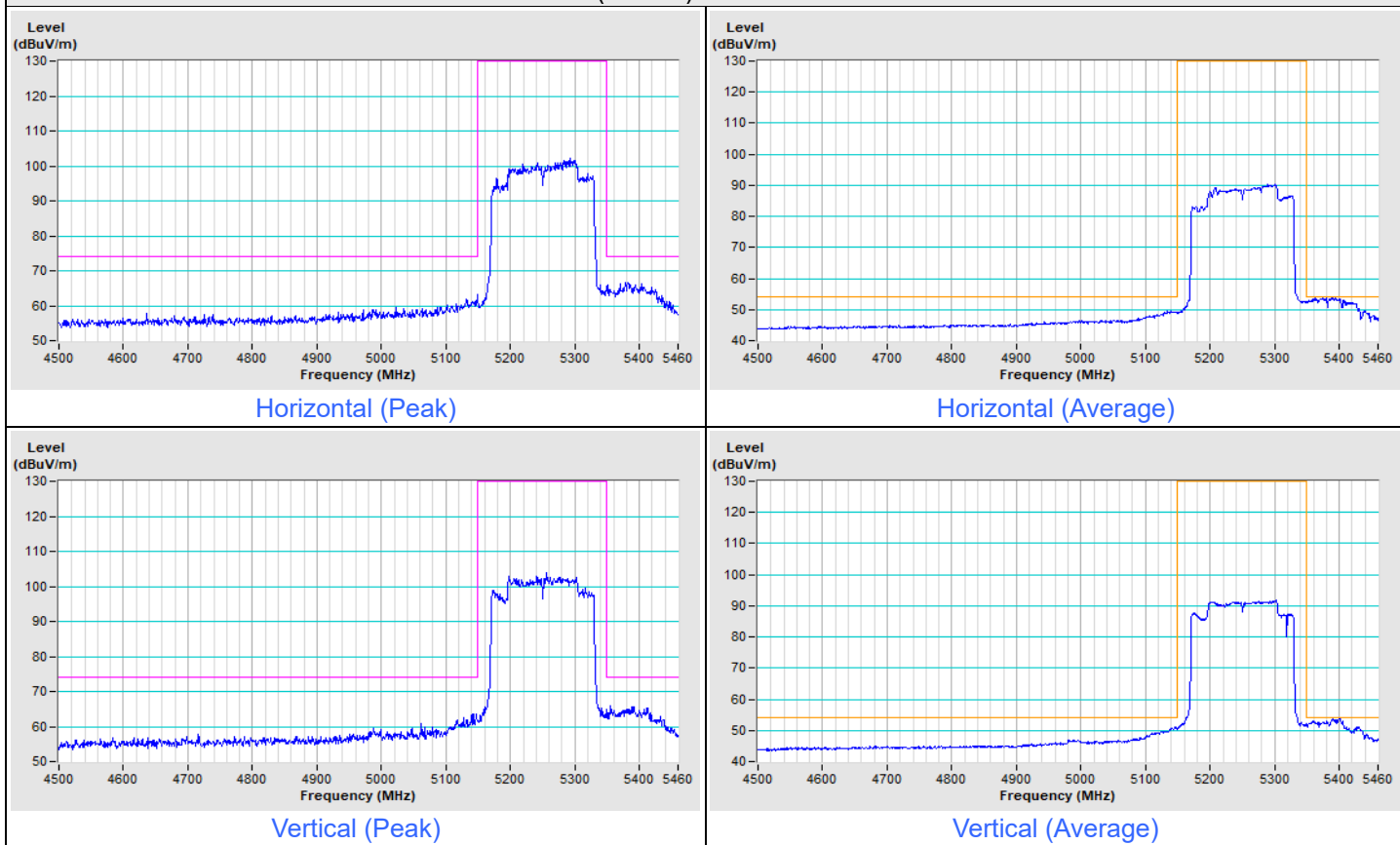
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 42



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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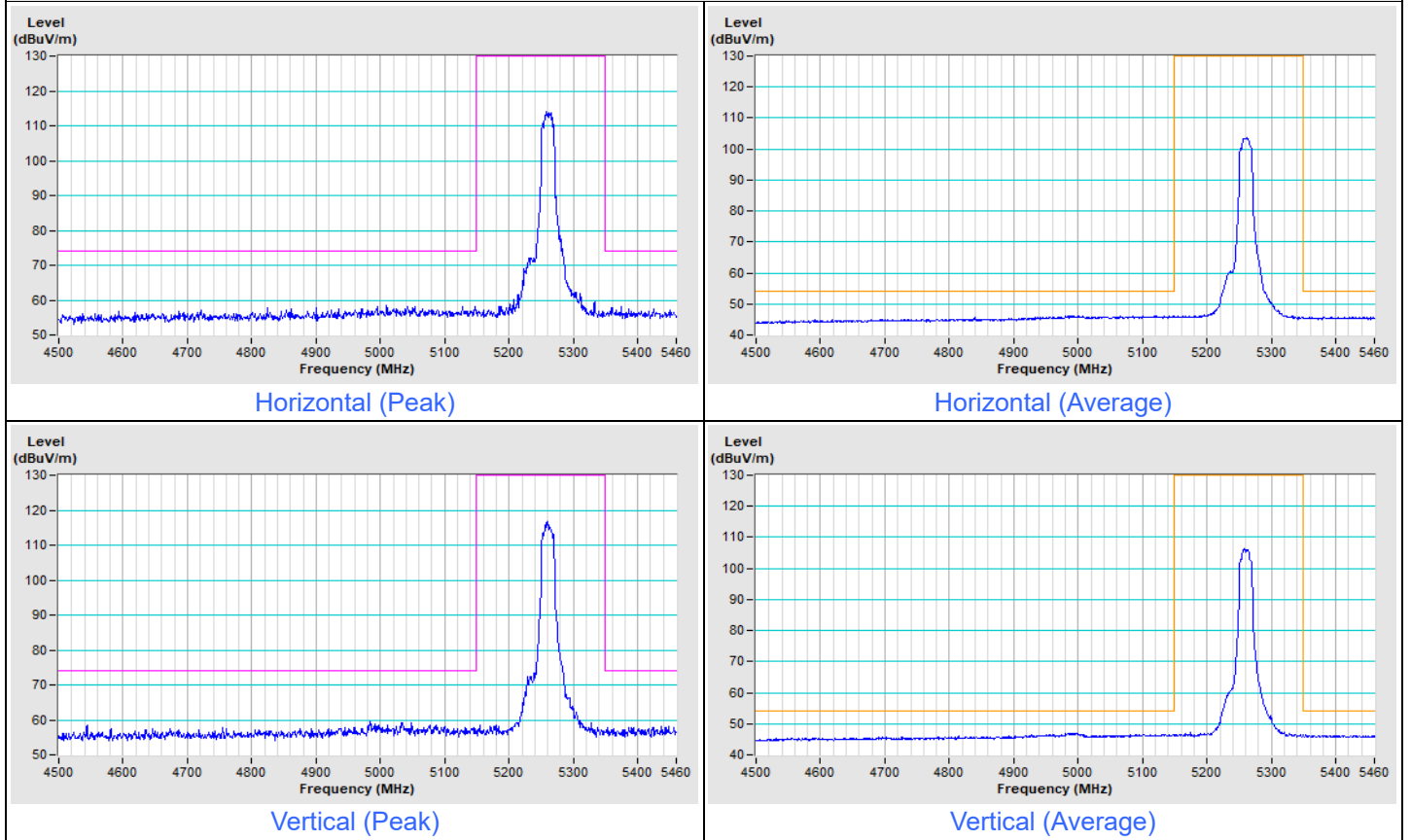
### 802.11ax (HE160) Full RU Channel 50



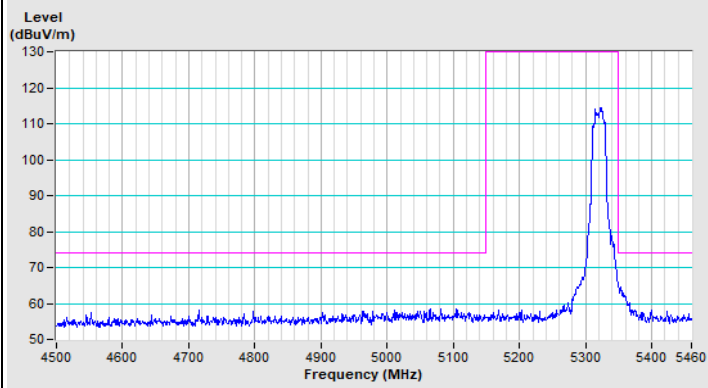


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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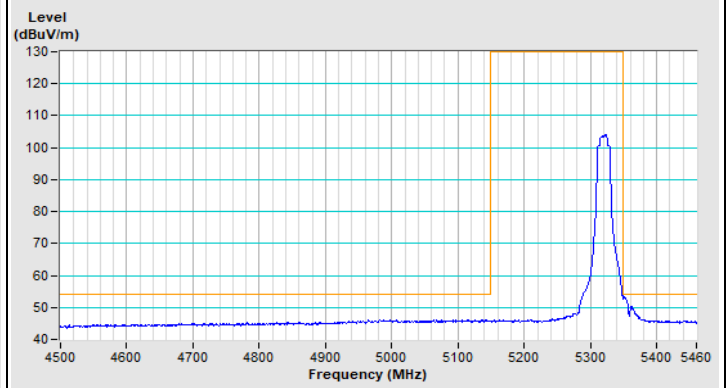
802.11ax (HE20) Full RU Channel 52



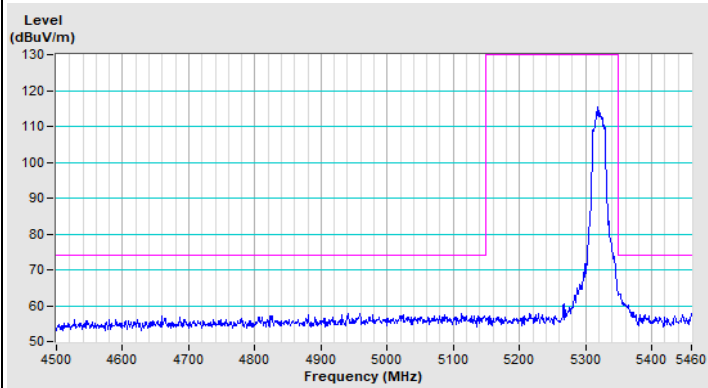
### 802.11ax (HE20) Full RU Channel 64



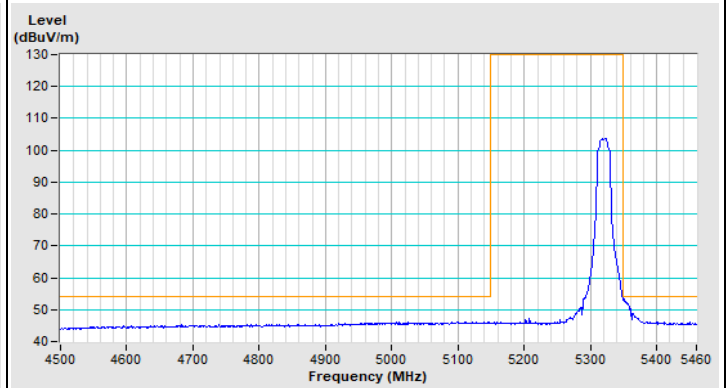
Horizontal (Peak)



Horizontal (Average)



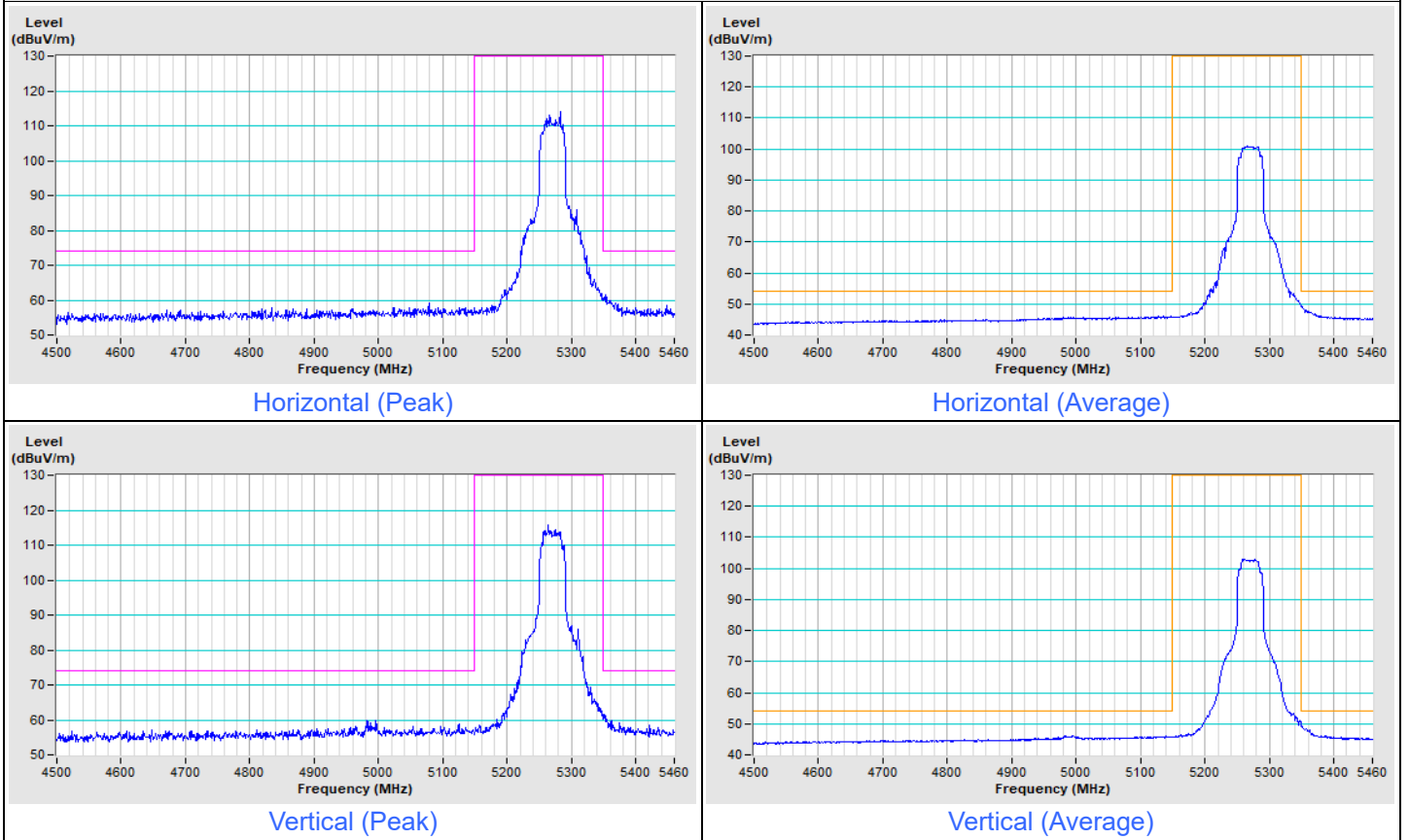
Vertical (Peak)



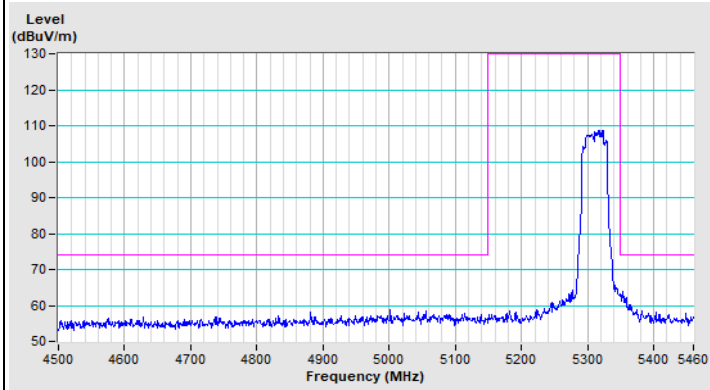
Vertical (Average)

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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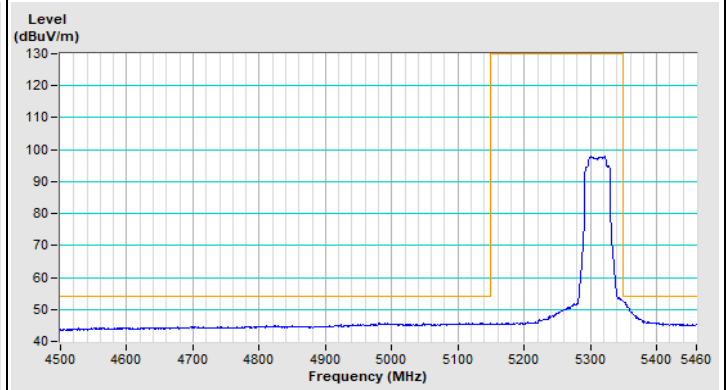
### 802.11ax (HE40) Full RU Channel 54



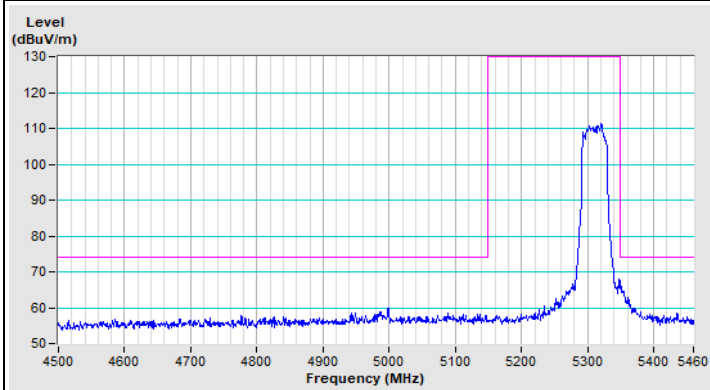
### 802.11ax (HE40) Full RU Channel 62



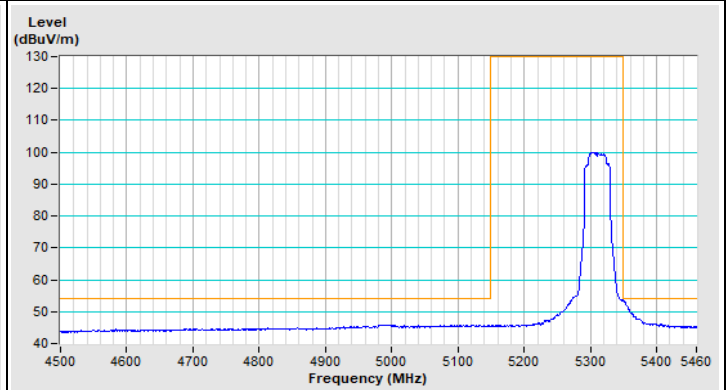
Horizontal (Peak)



Horizontal (Average)



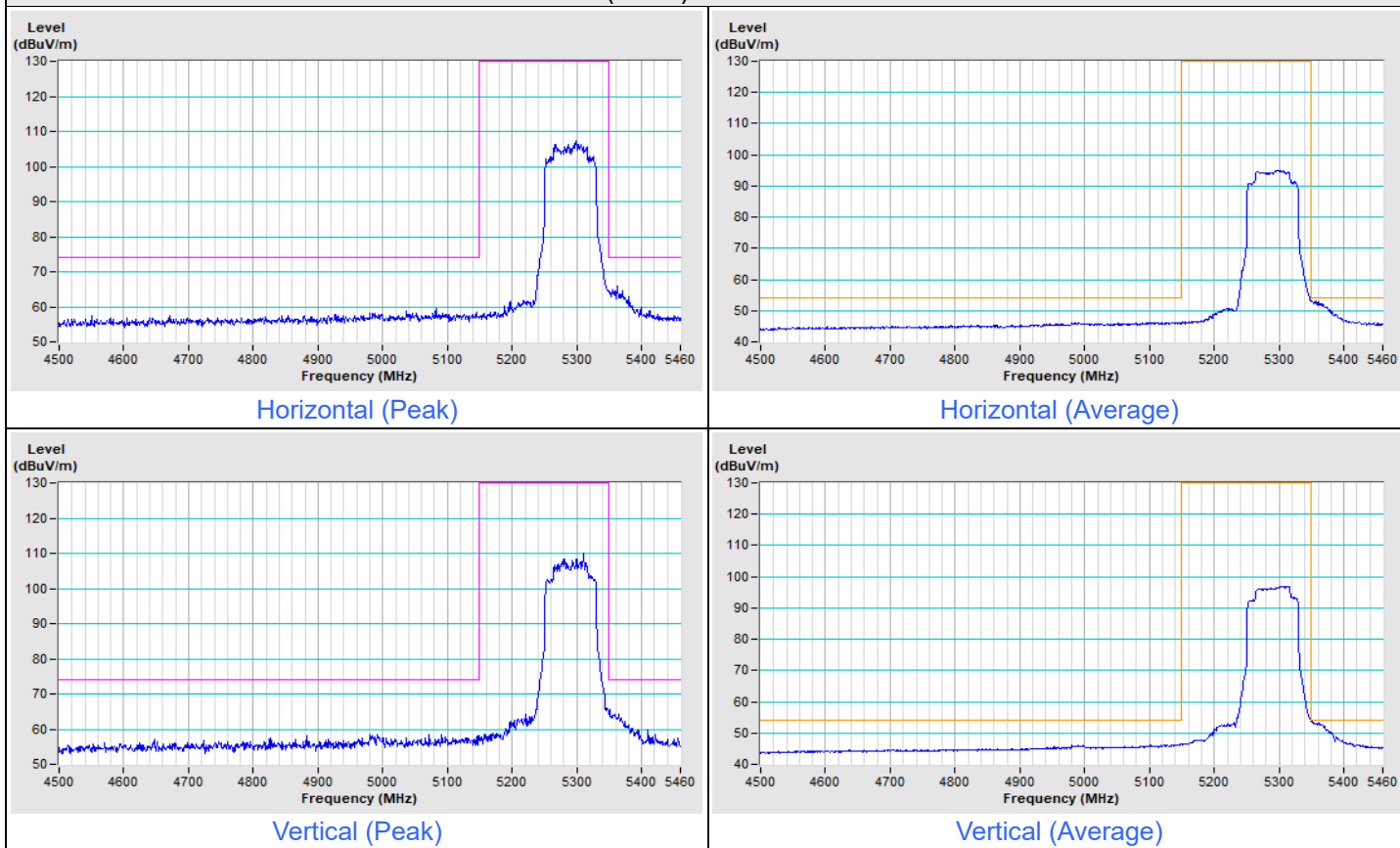
Vertical (Peak)



Vertical (Average)

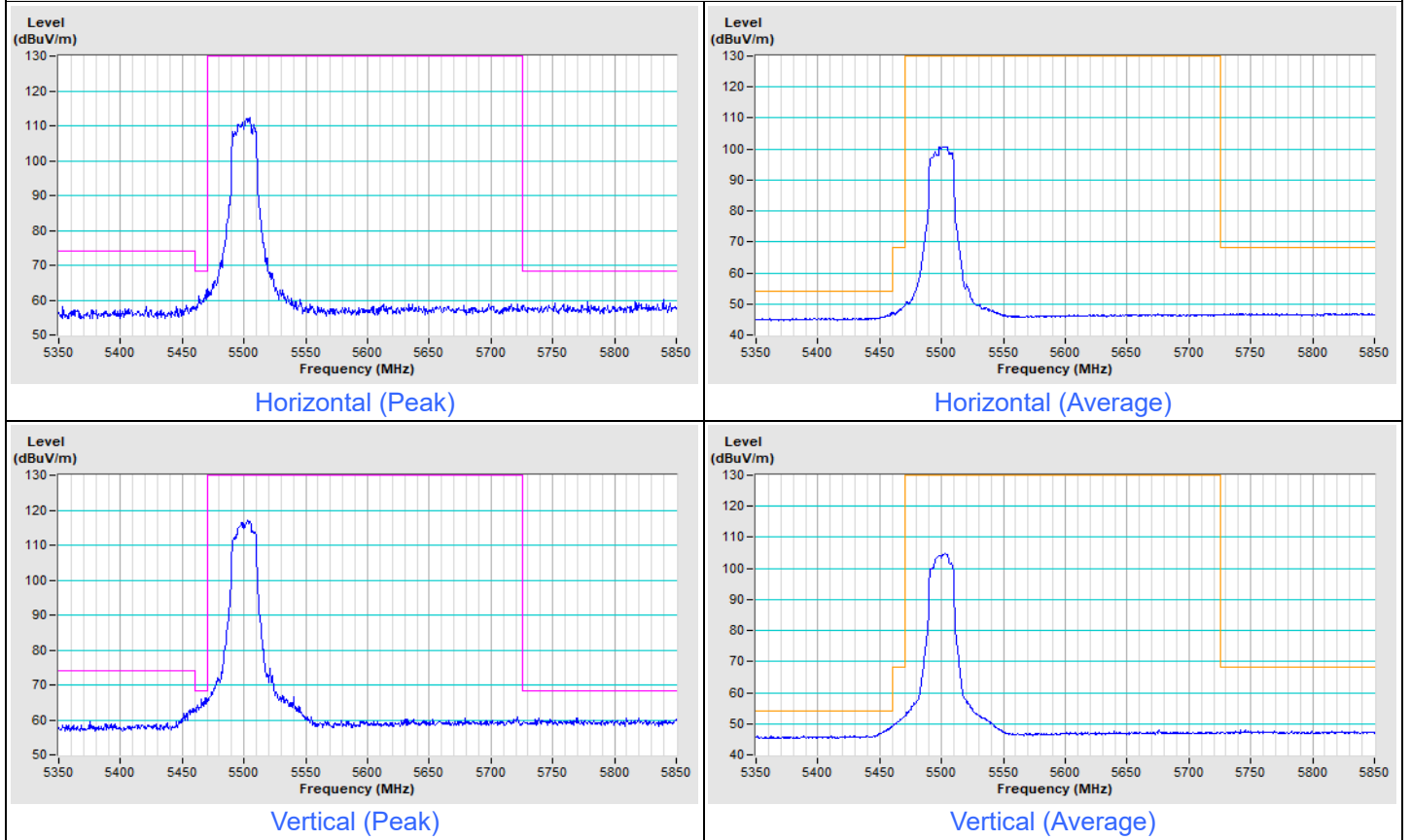
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 58

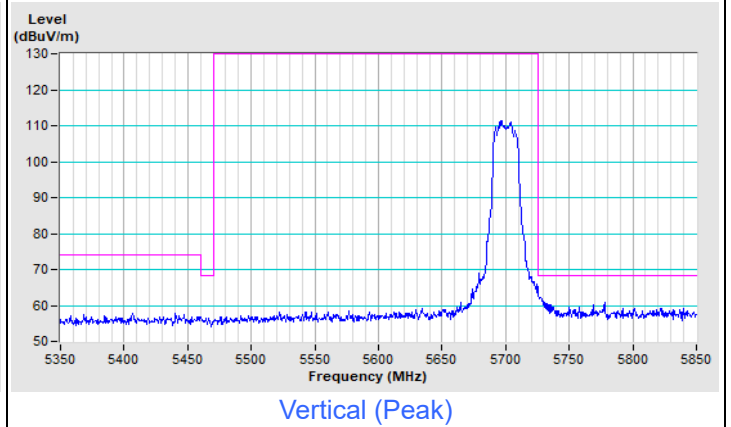
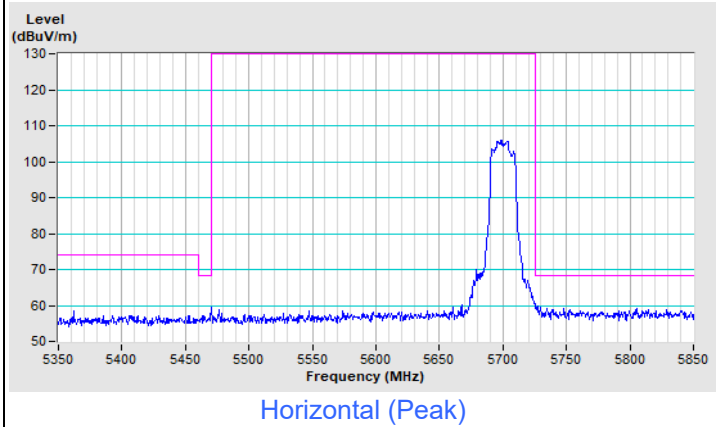


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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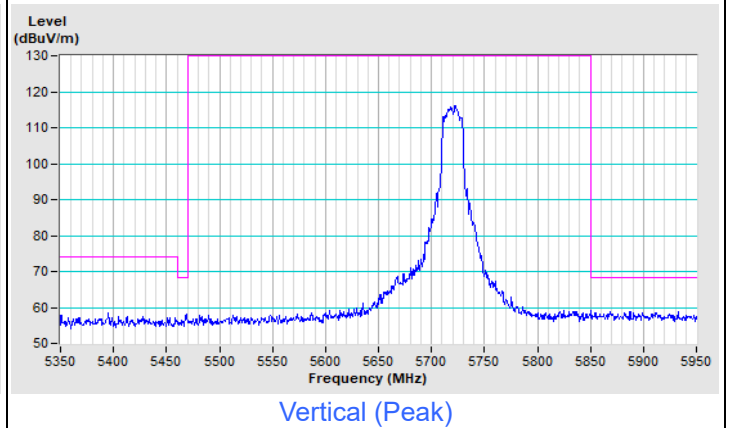
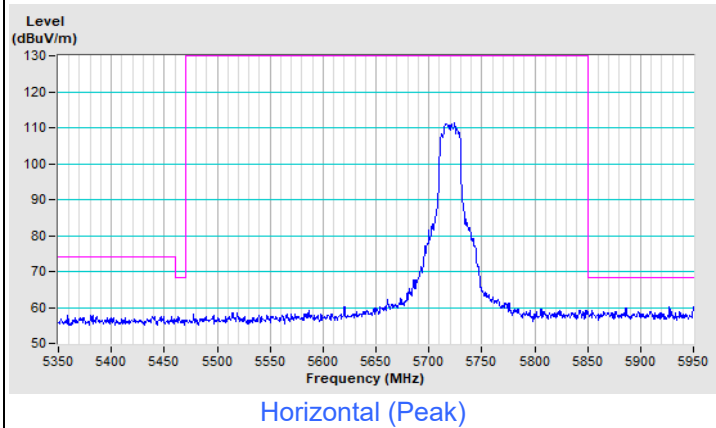
802.11ax (HE20) Full RU Channel 100



### 802.11ax (HE20) Full RU Channel 140

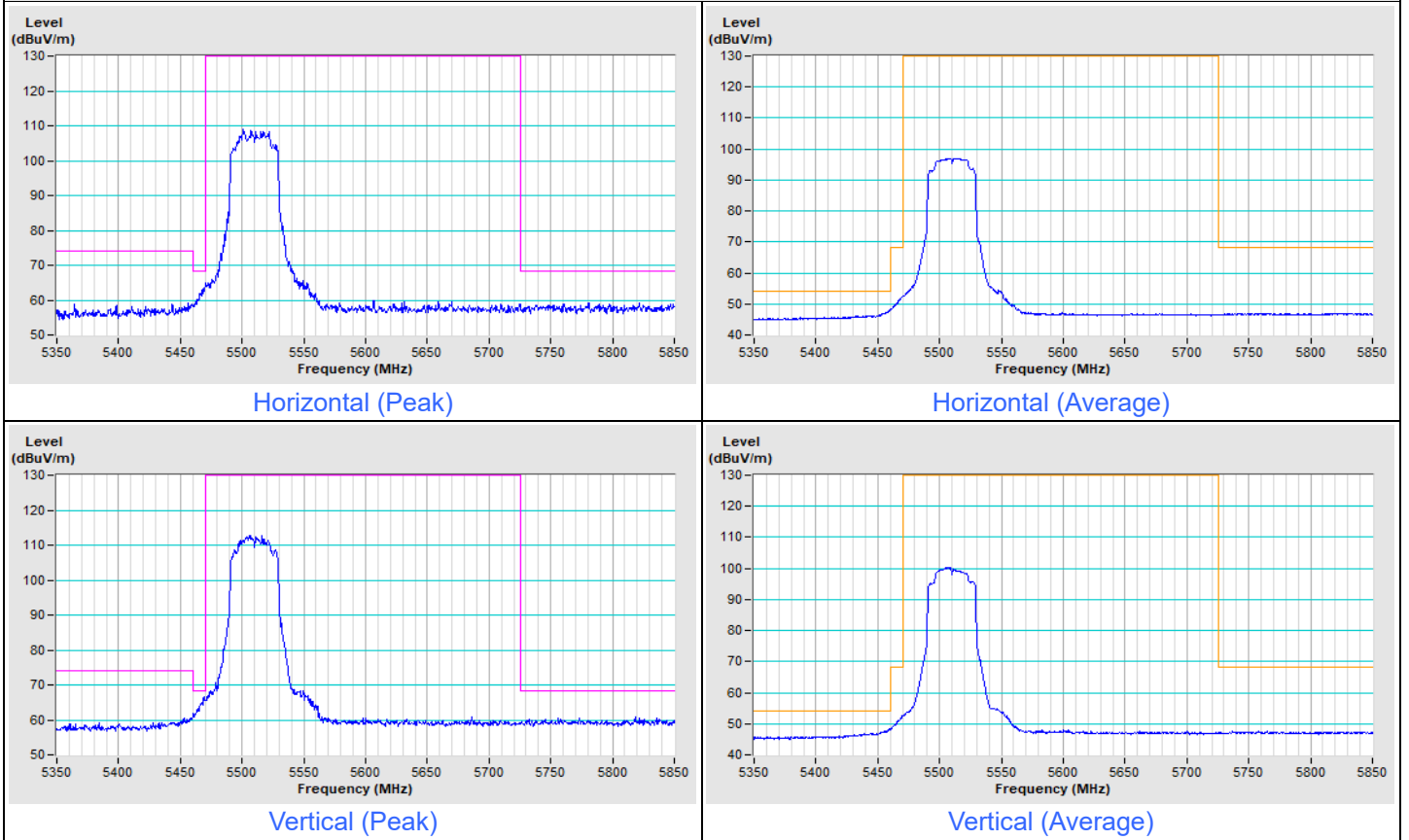


### 802.11ax (HE20) Full RU Channel 144



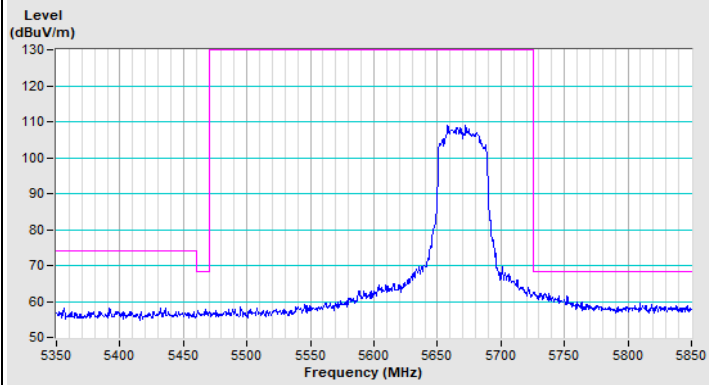
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE40) Full RU Channel 102

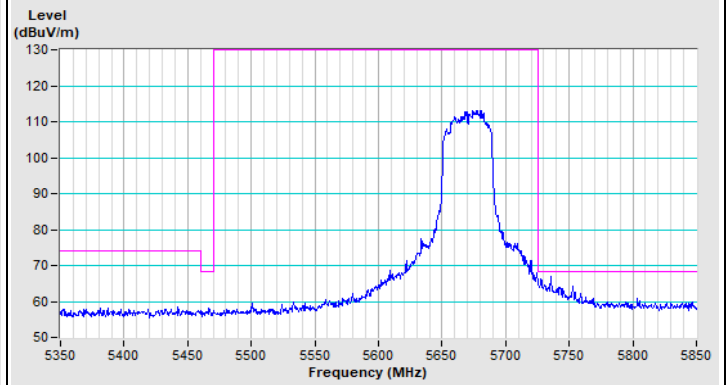




### 802.11ax (HE40) Full RU Channel 134

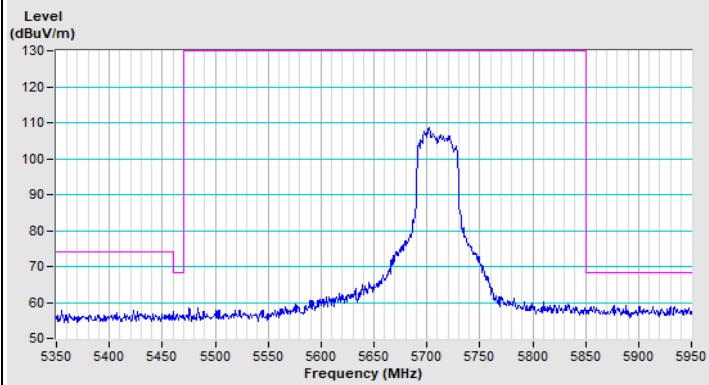


Horizontal (Peak)

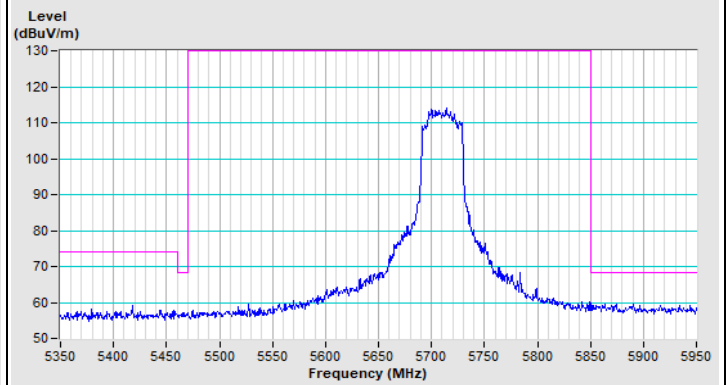


Vertical (Peak)

### 802.11ax (HE40) Full RU Channel 142



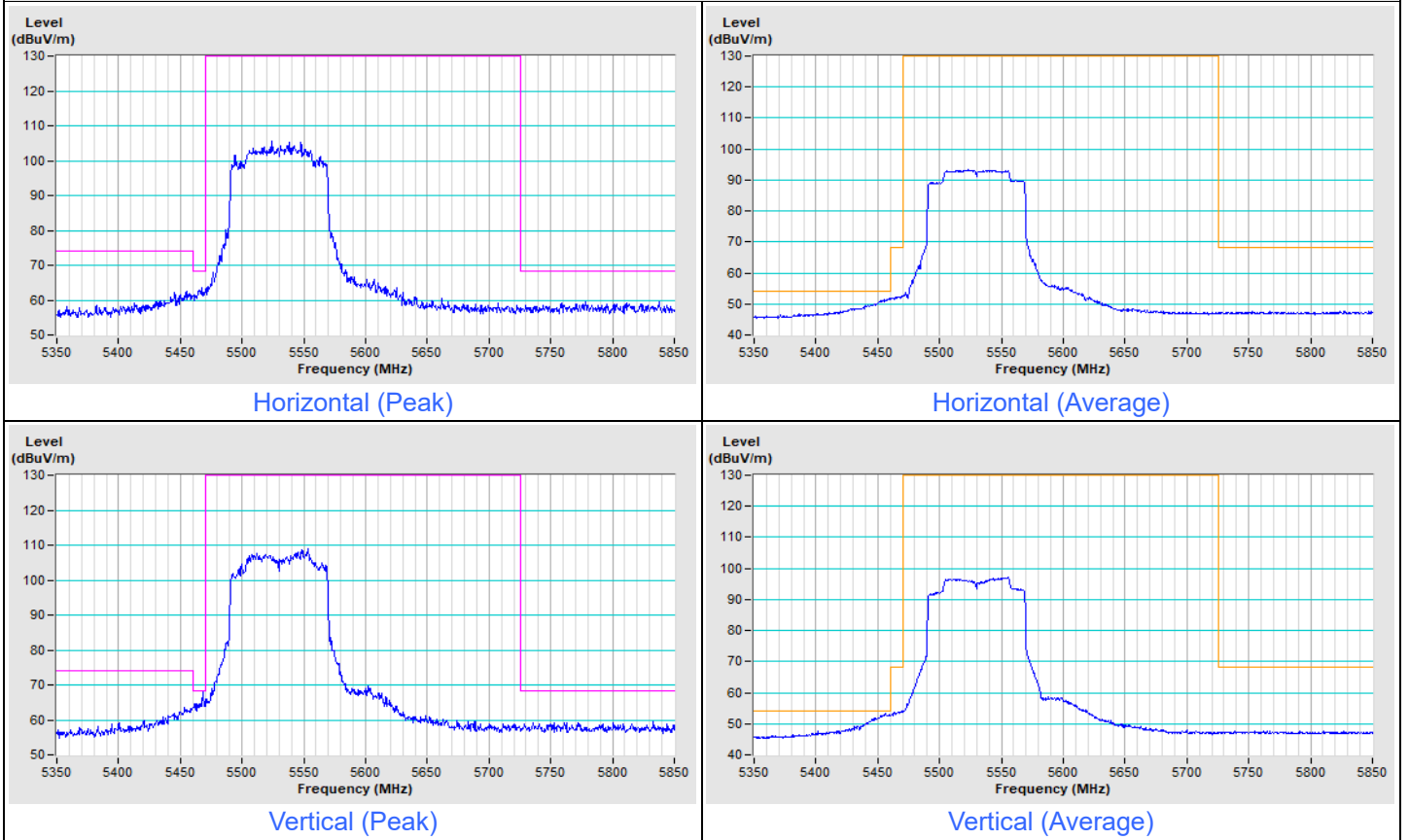
Horizontal (Peak)



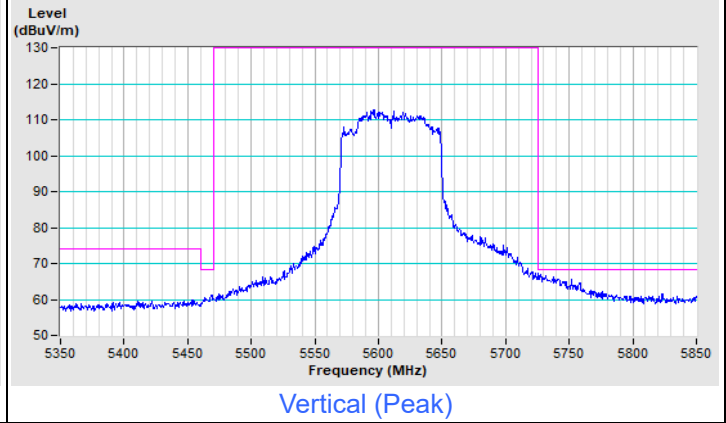
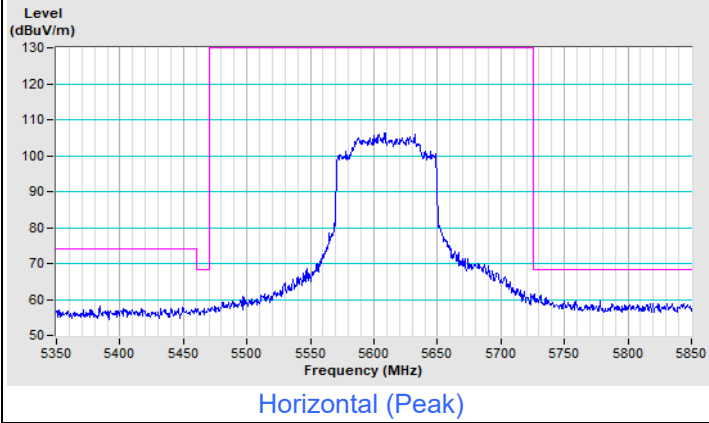
Vertical (Peak)

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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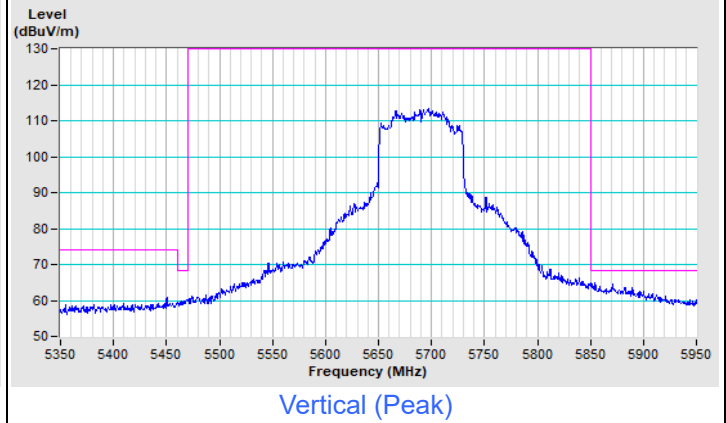
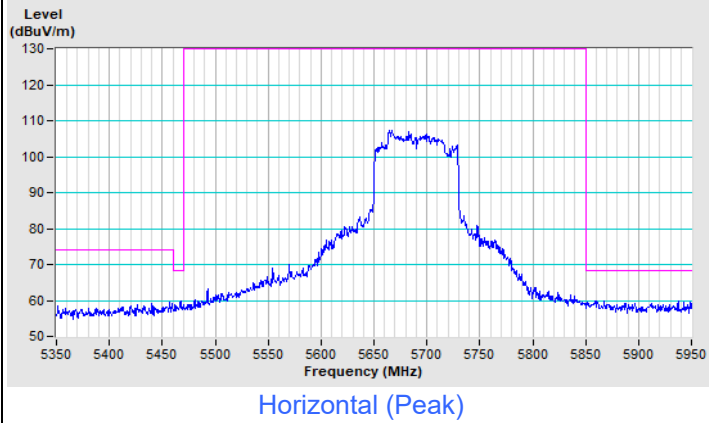
802.11ax (HE80) Full RU Channel 106



### 802.11ax (HE80) Full RU Channel 122

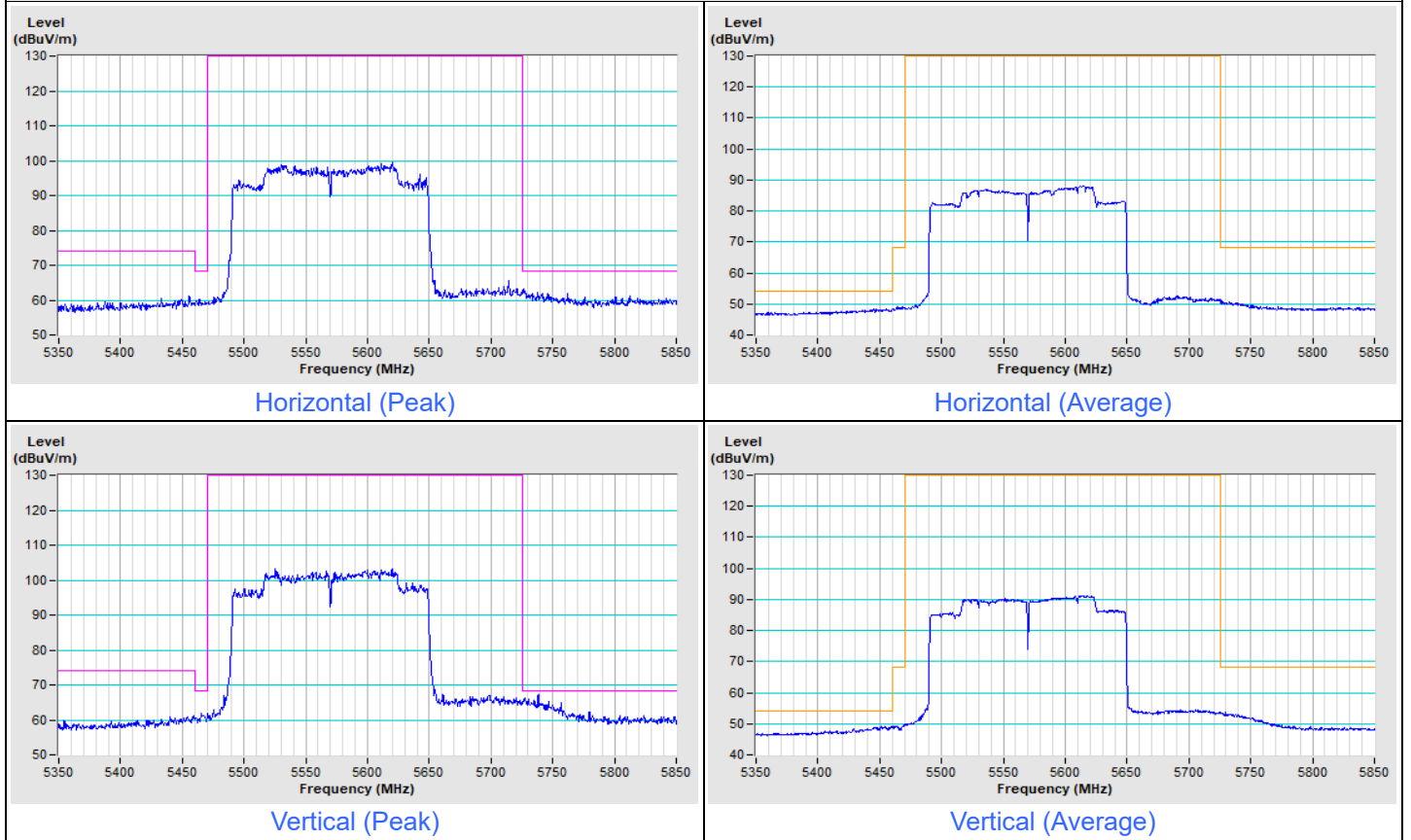


### 802.11ax (HE80) Full RU Channel 138



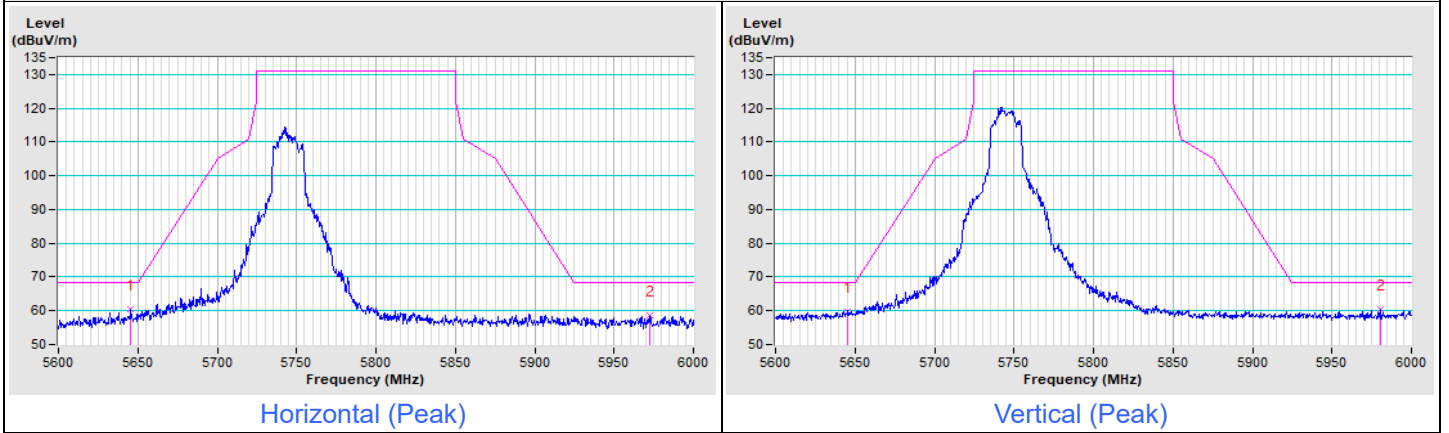
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE160) Full RU Channel 114

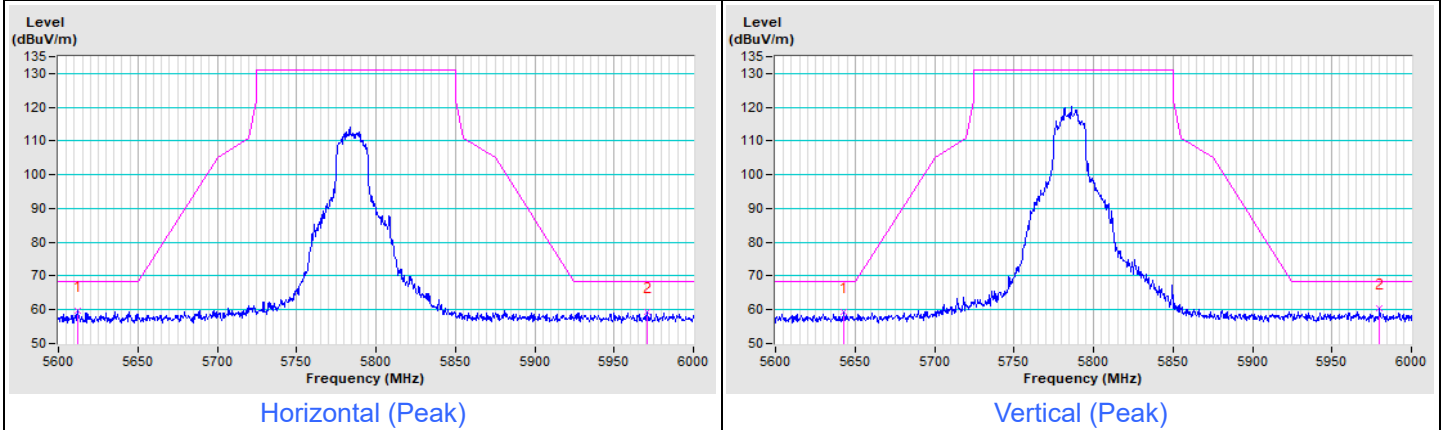


Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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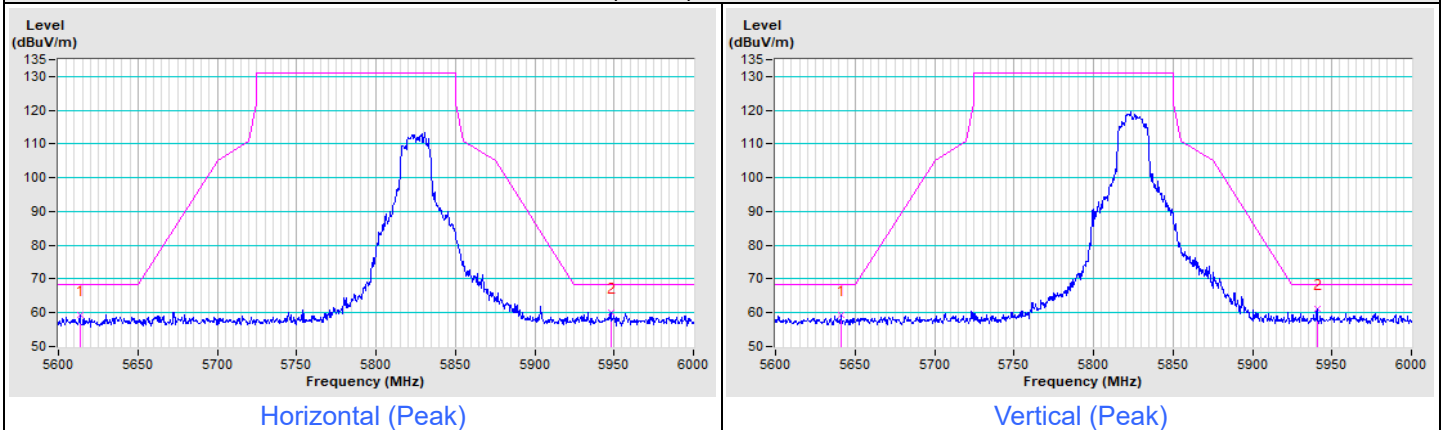
### 802.11ax (HE20) Full RU Channel 149



### 802.11ax (HE20) Full RU Channel 157



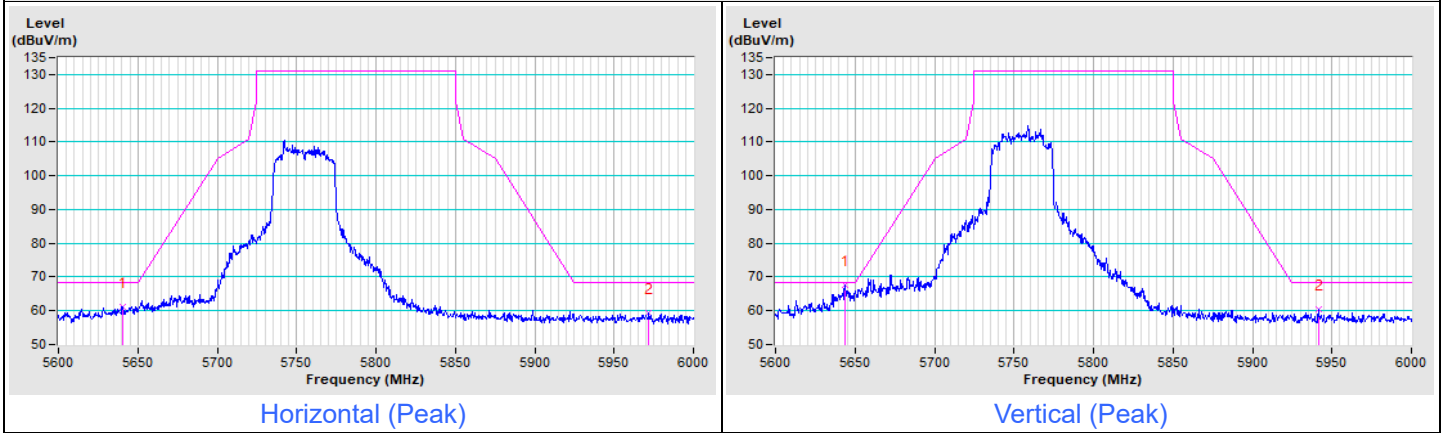
### 802.11ax (HE20) Full RU Channel 165



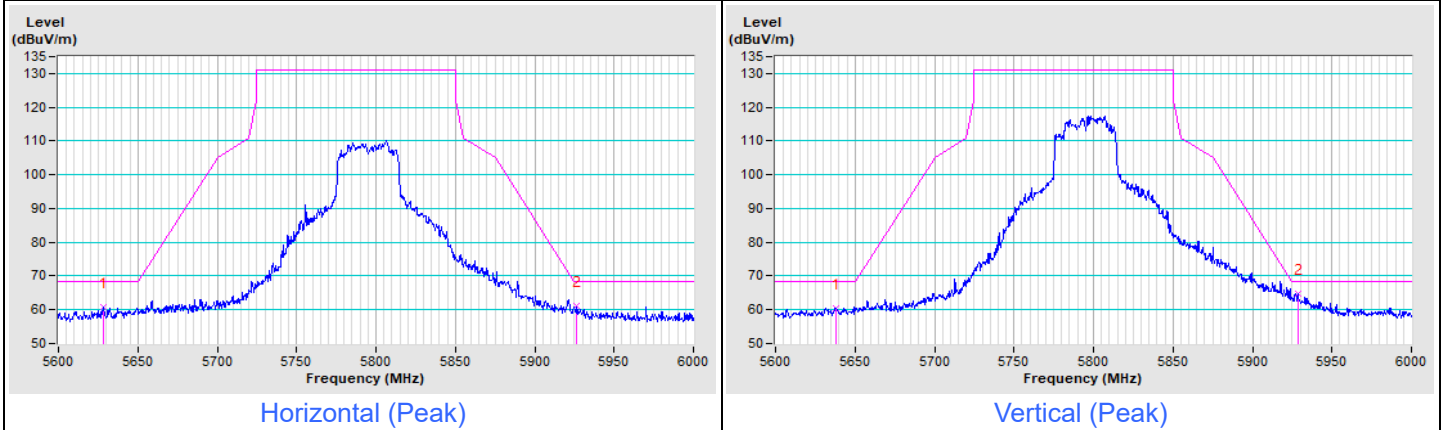


Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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### 802.11ax (HE40) Full RU Channel 151

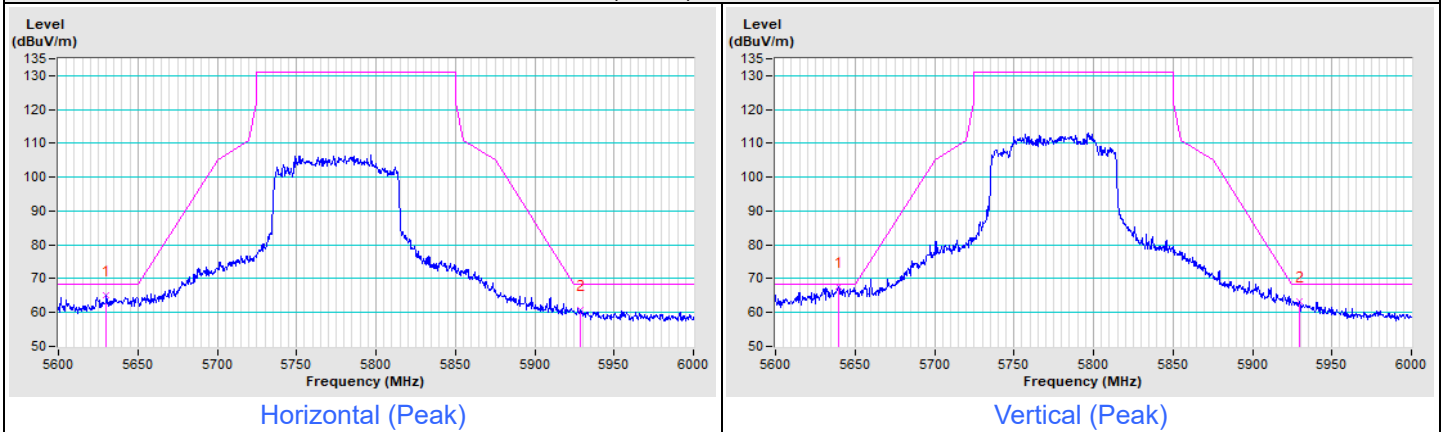


### 802.11ax (HE40) Full RU Channel 159



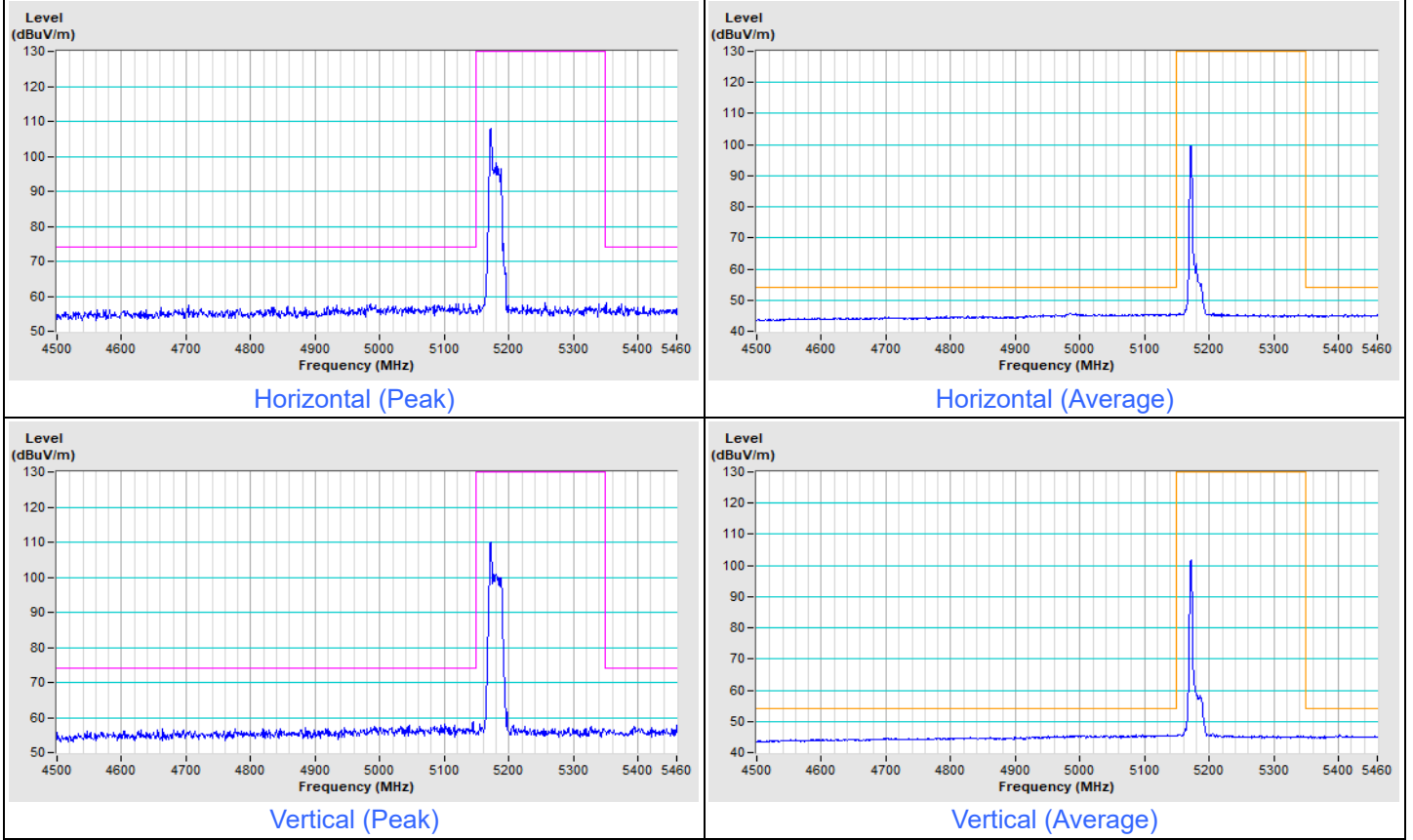
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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### 802.11ax (HE80) Full RU Channel 155

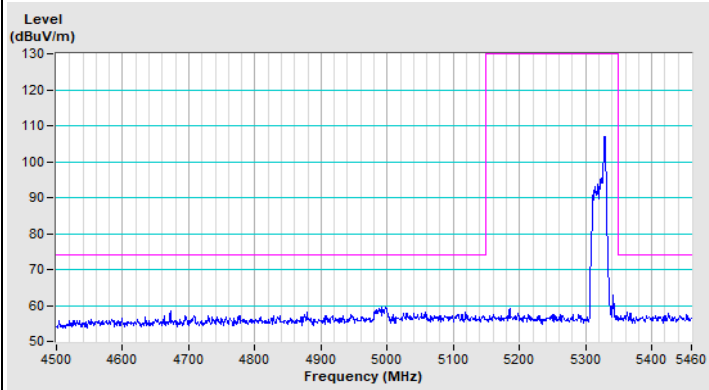


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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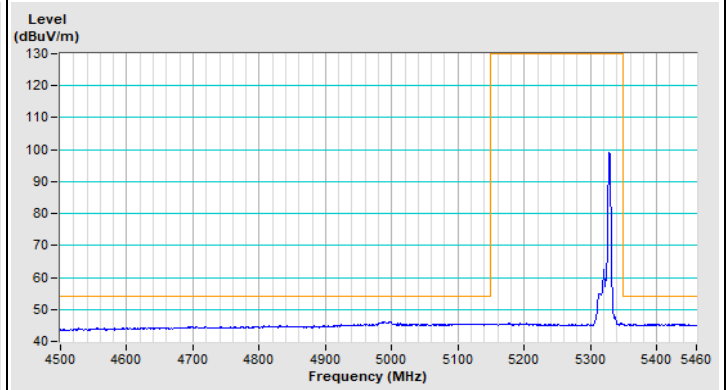
802.11ax (HE20) 26-tone RU Channel 36



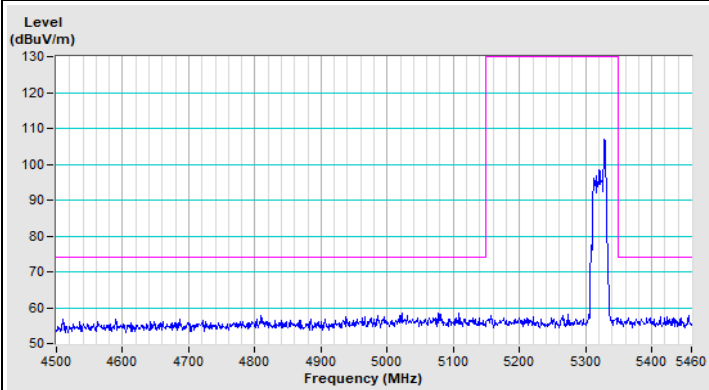
### 802.11ax (HE20) 26-tone RU Channel 64



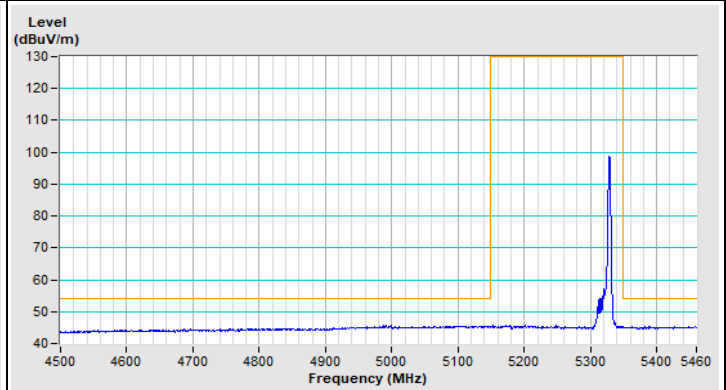
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

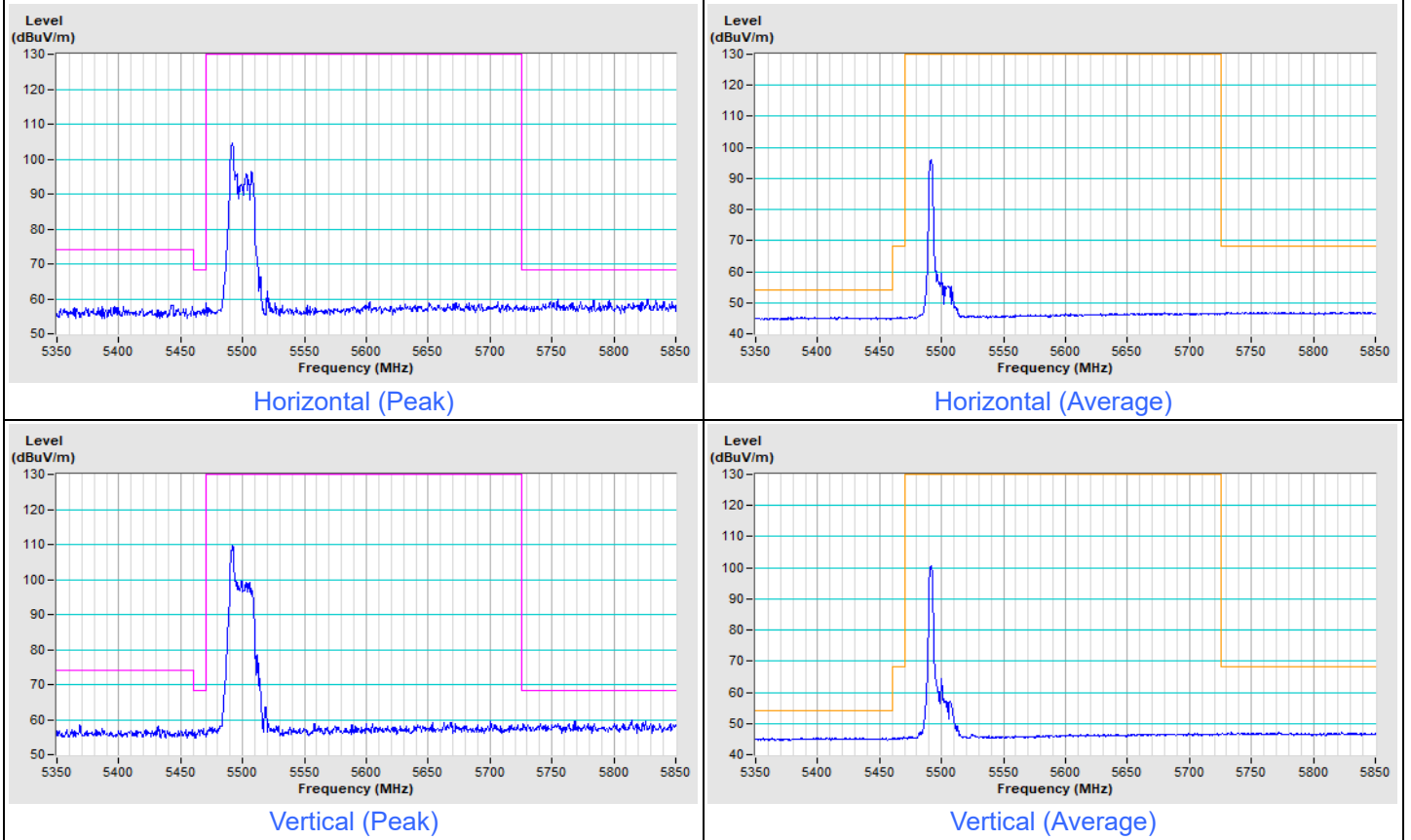


Vertical (Average)

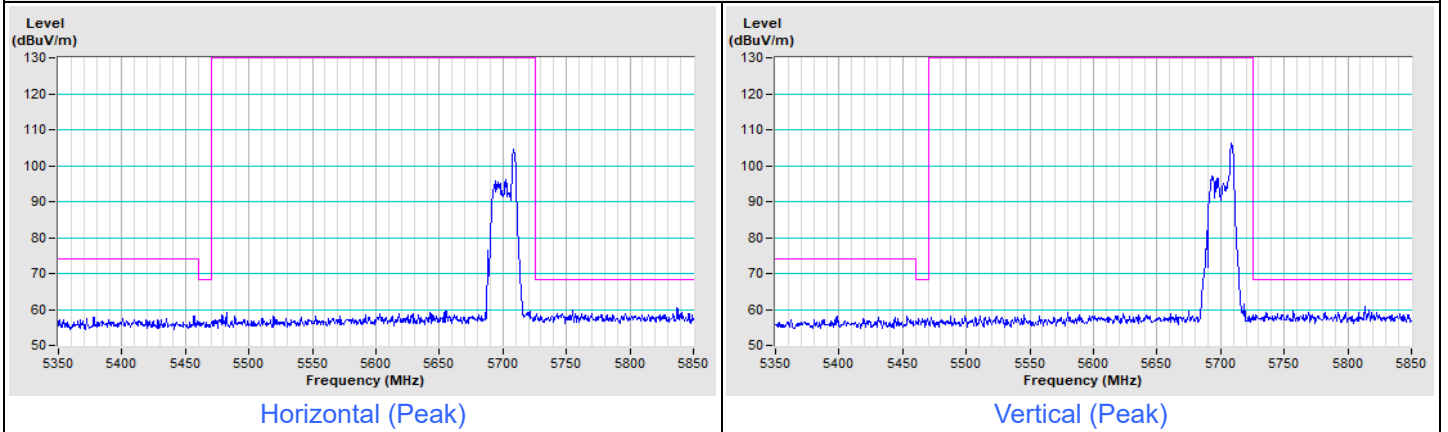


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE20) 26-tone RU Channel 100

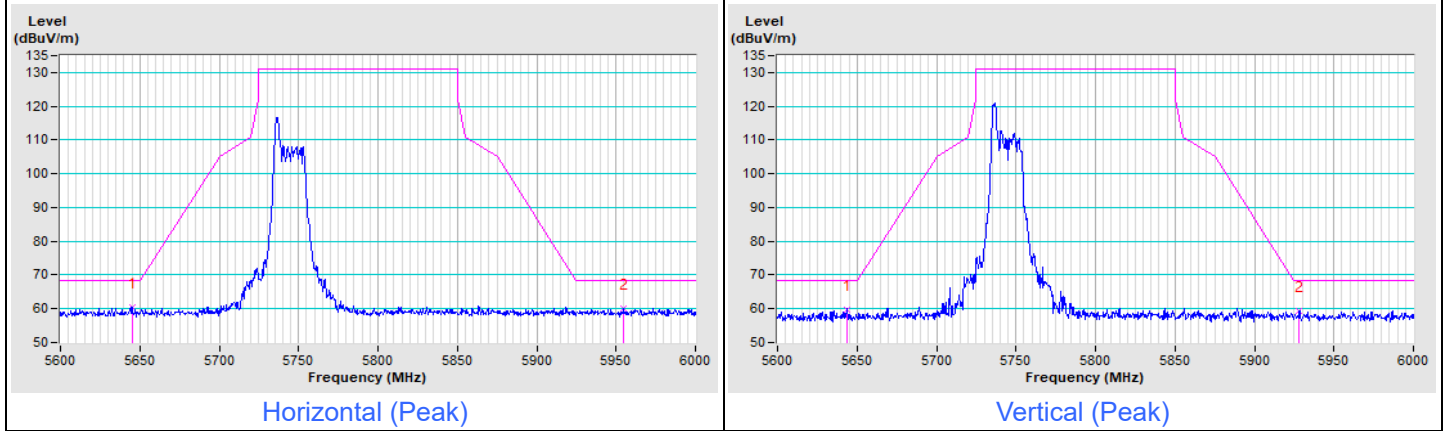


802.11ax (HE20) 26-tone RU Channel 140



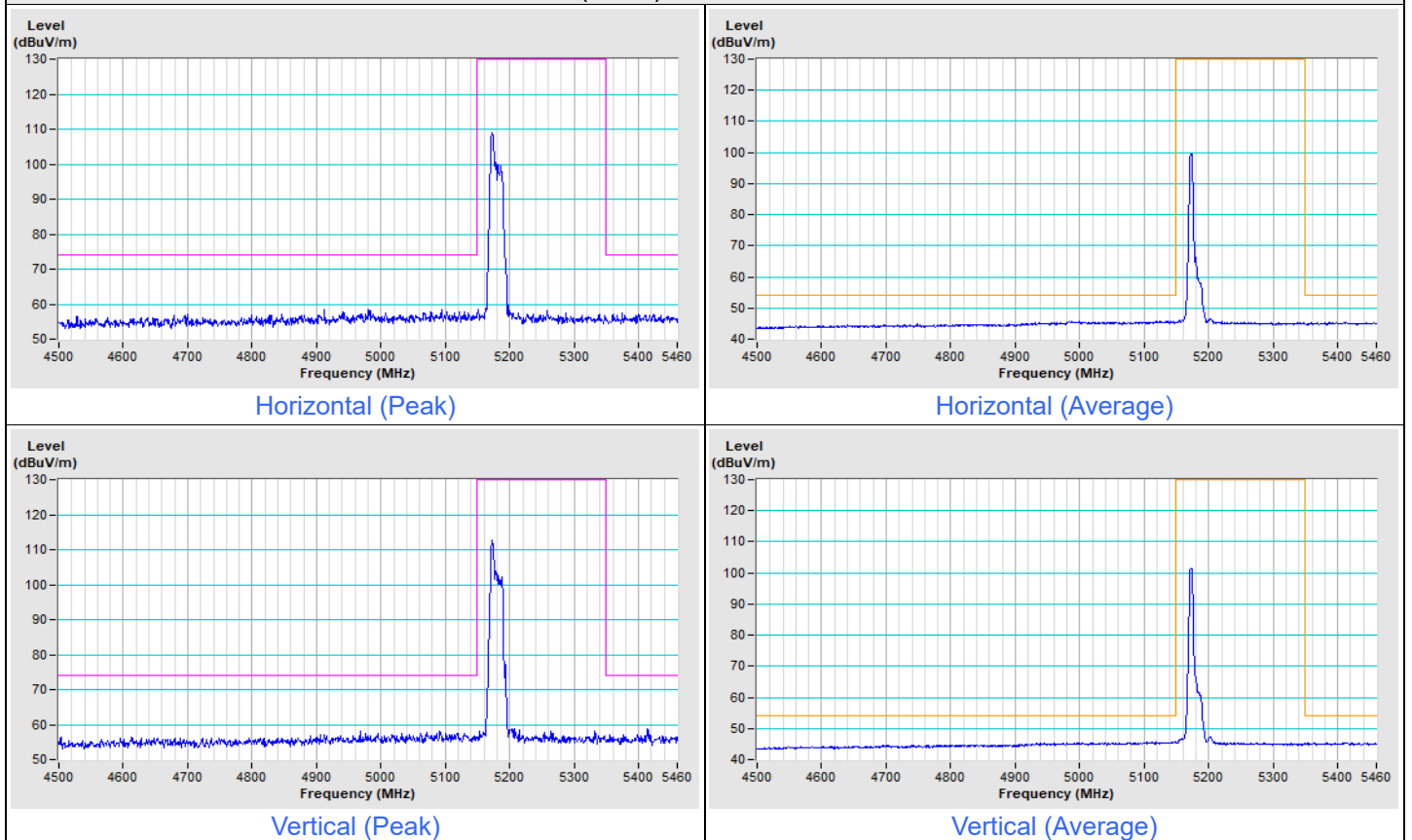
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 26-tone RU Channel 149

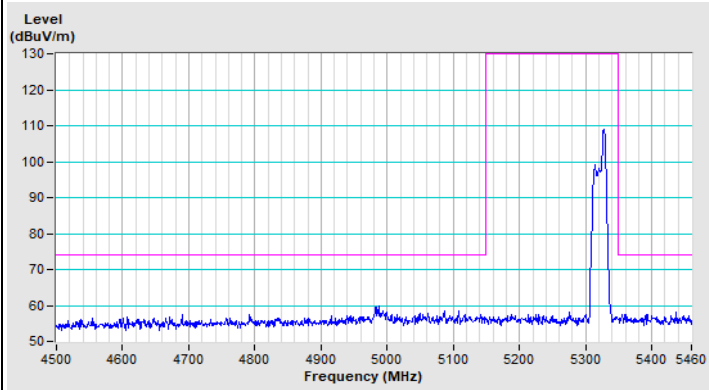


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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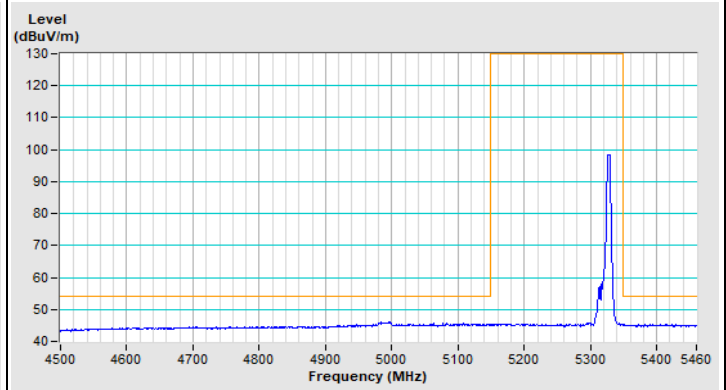
802.11ax (HE20) 52-tone RU Channel 36



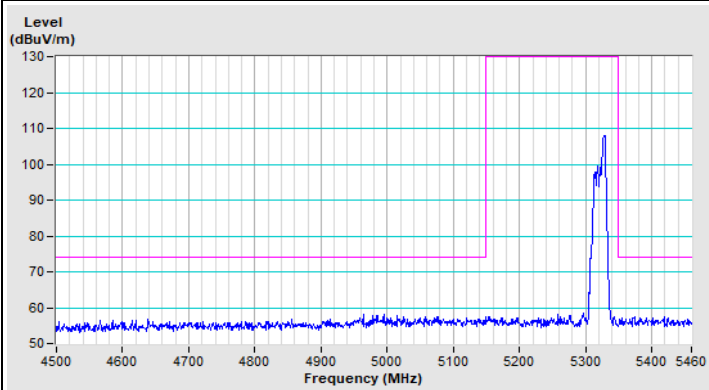
### 802.11ax (HE20) 52-tone RU Channel 64



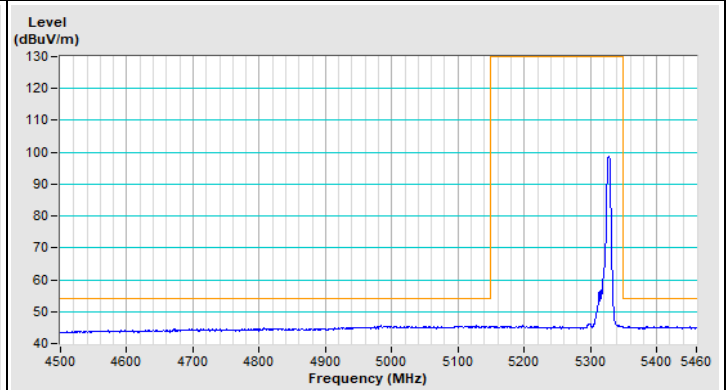
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

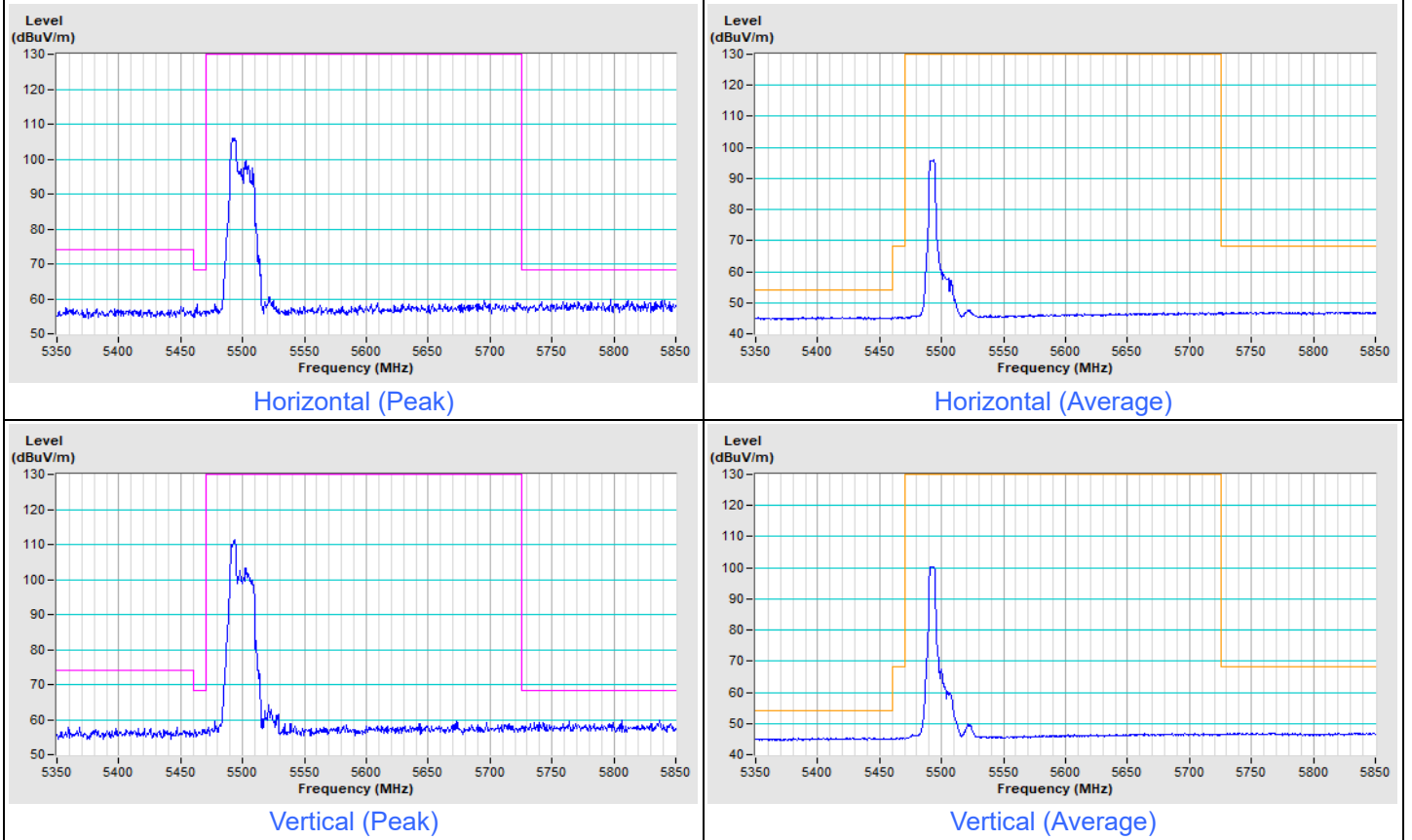


Vertical (Average)

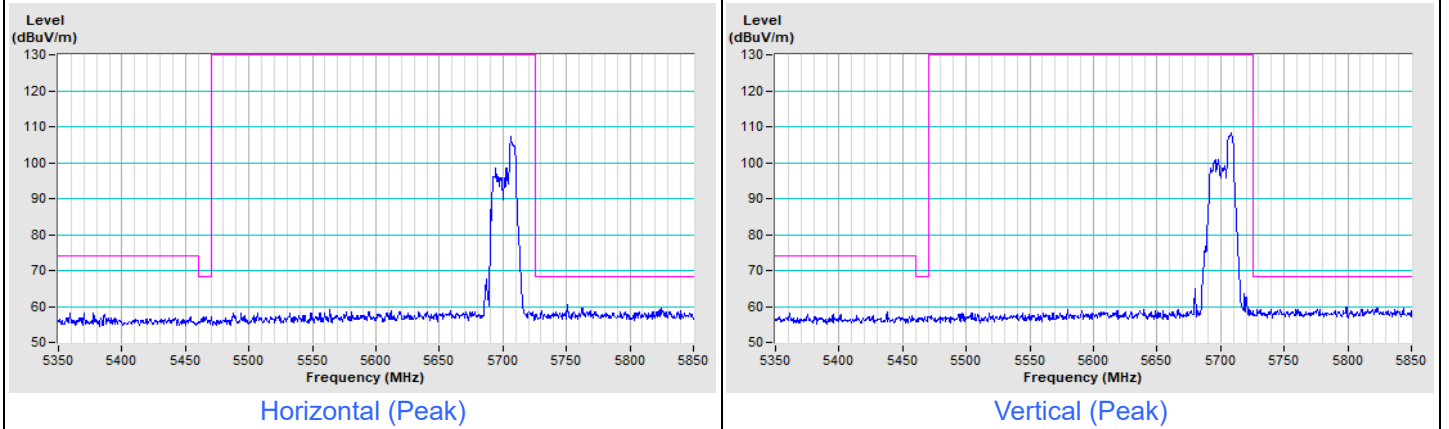


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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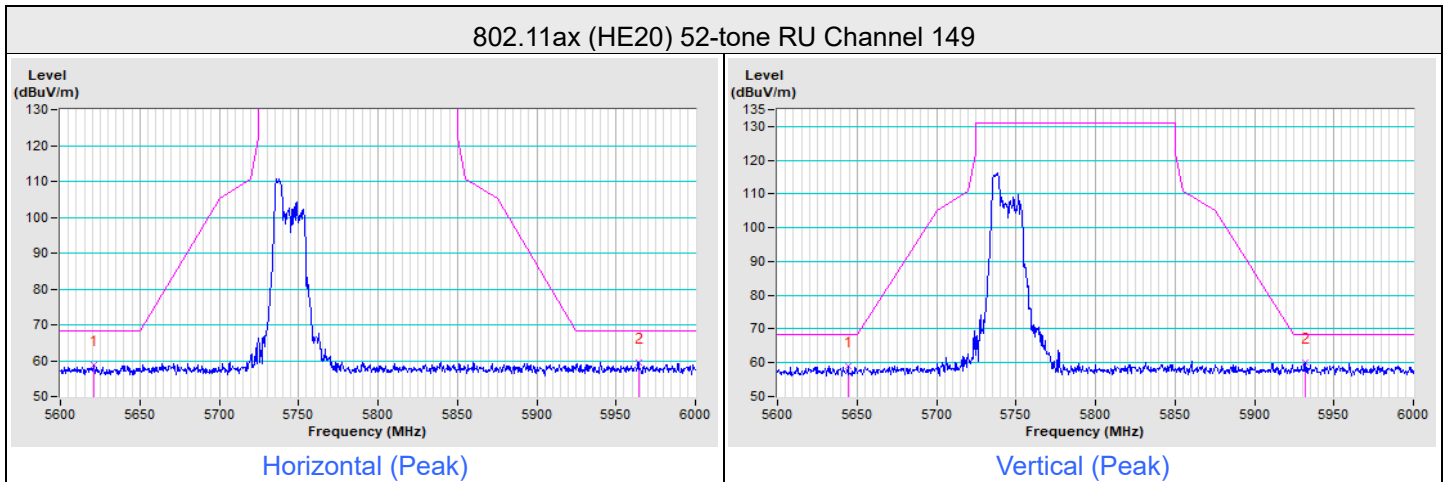
### 802.11ax (HE20) 52-tone RU Channel 100



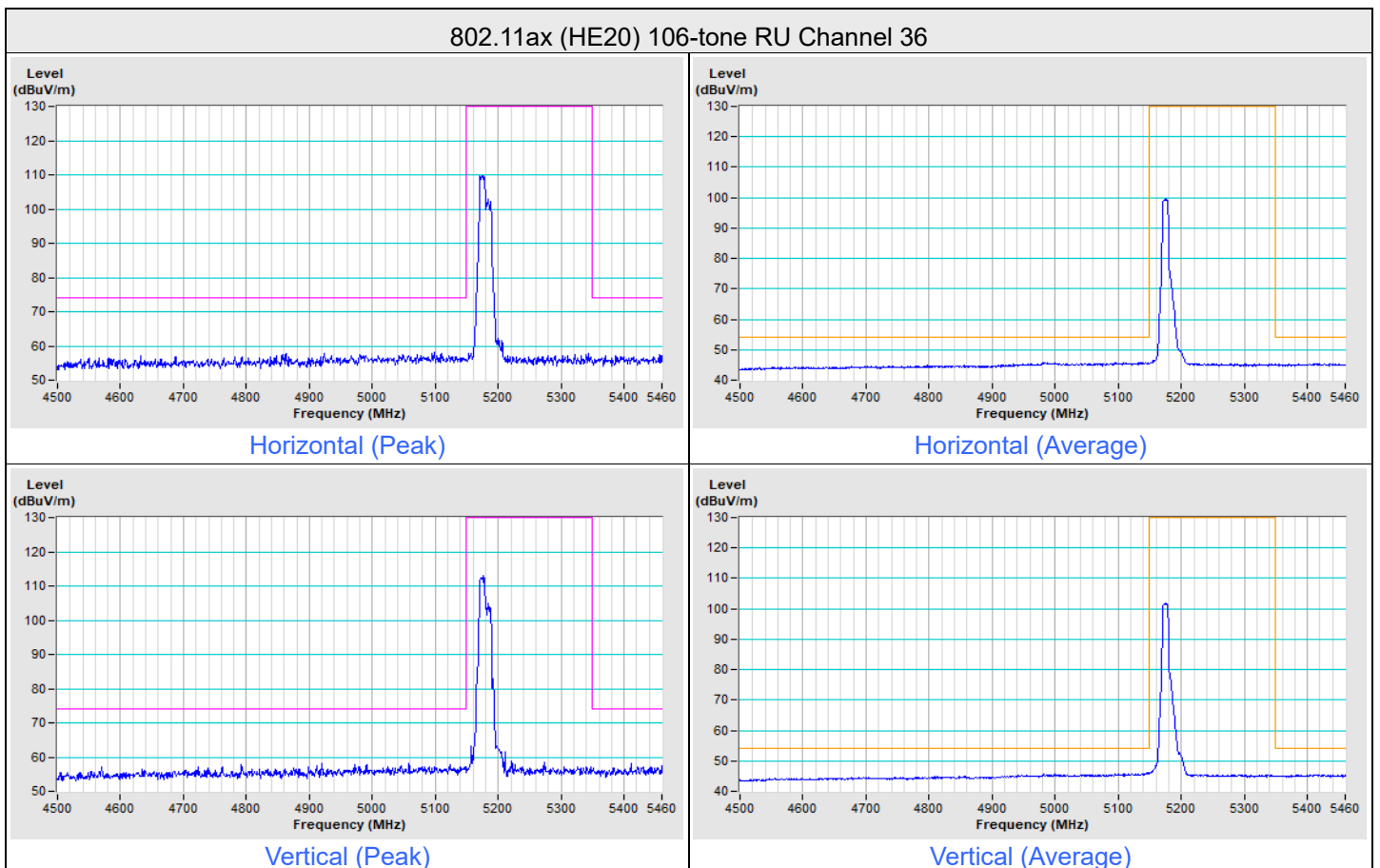
### 802.11ax (HE20) 52-tone RU Channel 140



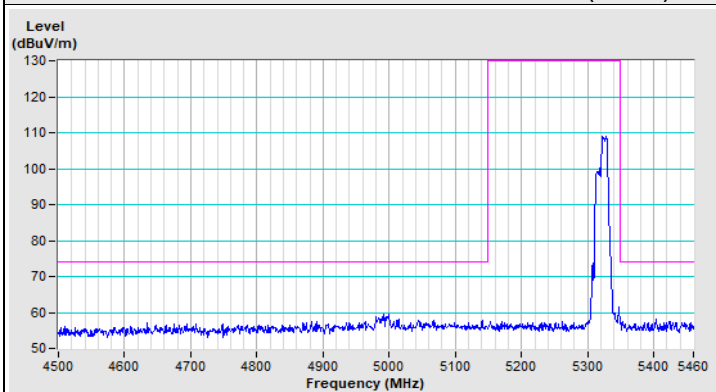
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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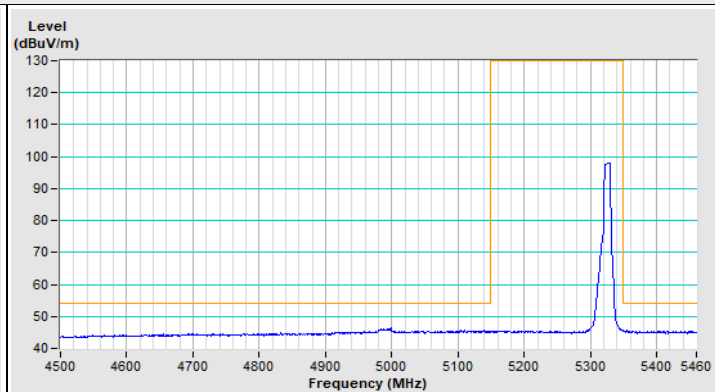
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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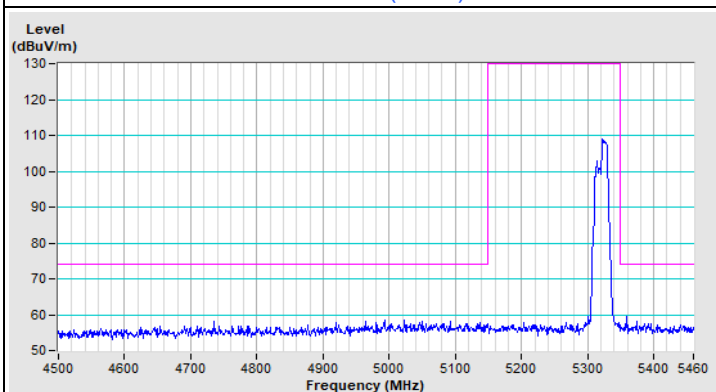
### 802.11ax (HE20) 106-tone RU Channel 64



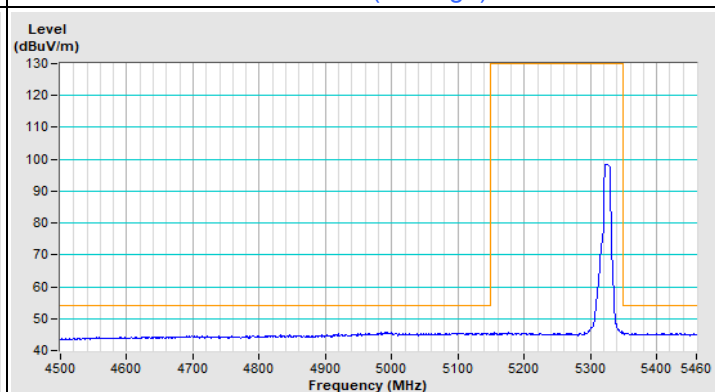
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

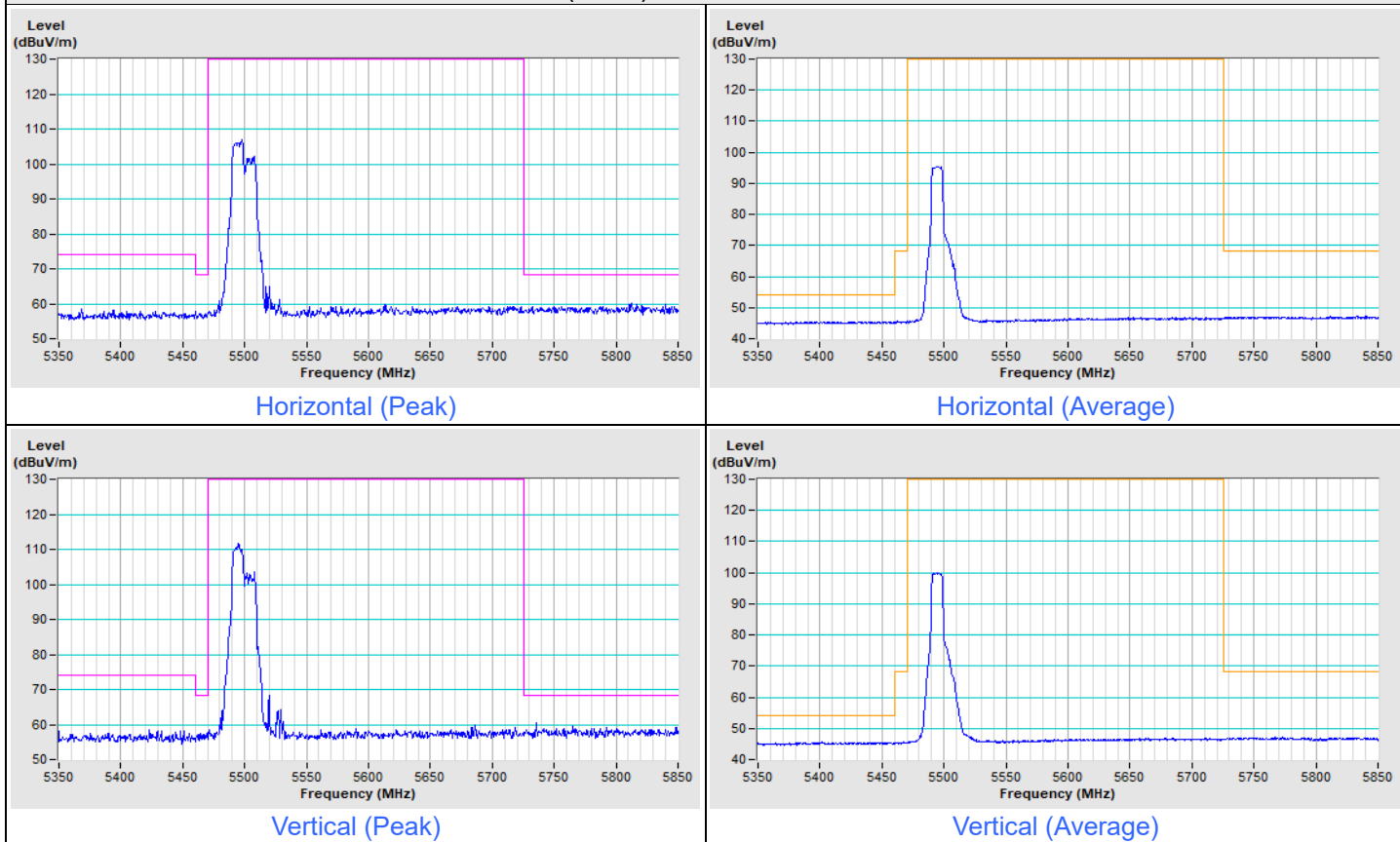


Vertical (Average)

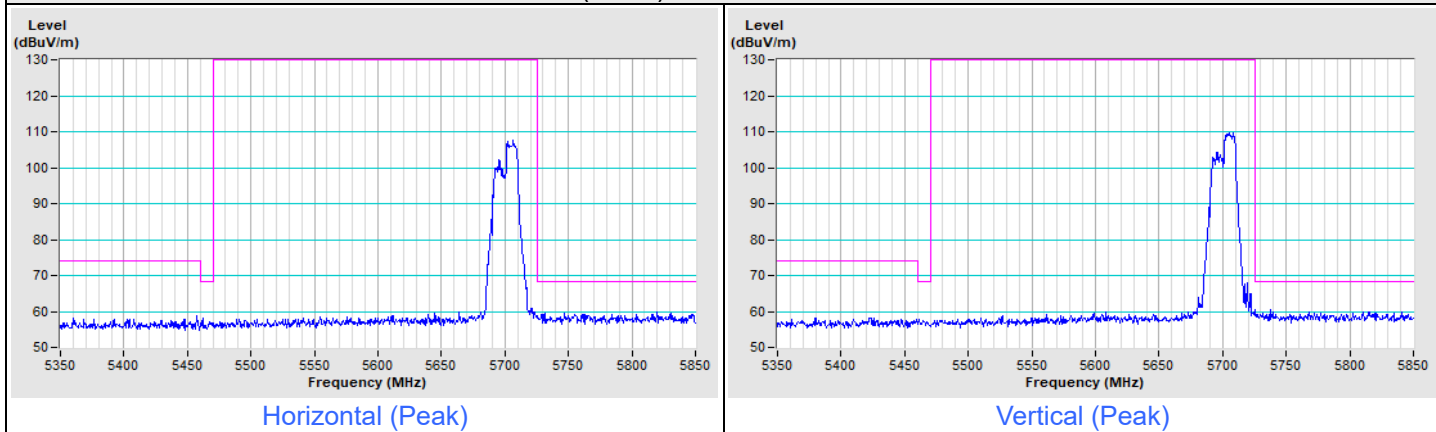


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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### 802.11ax (HE20) 106-tone RU Channel 100

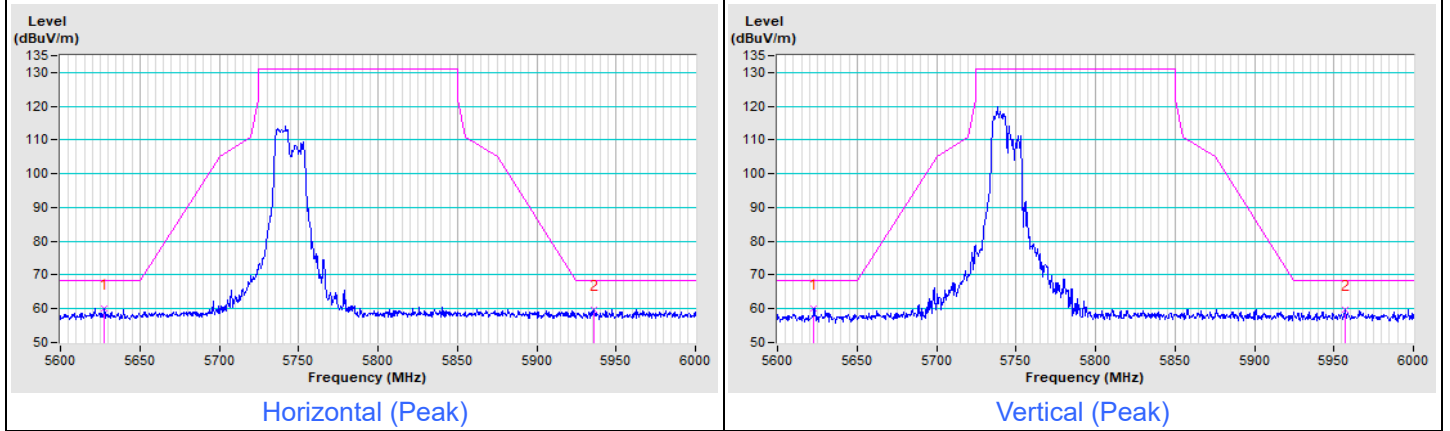


### 802.11ax (HE20) 106-tone RU Channel 140



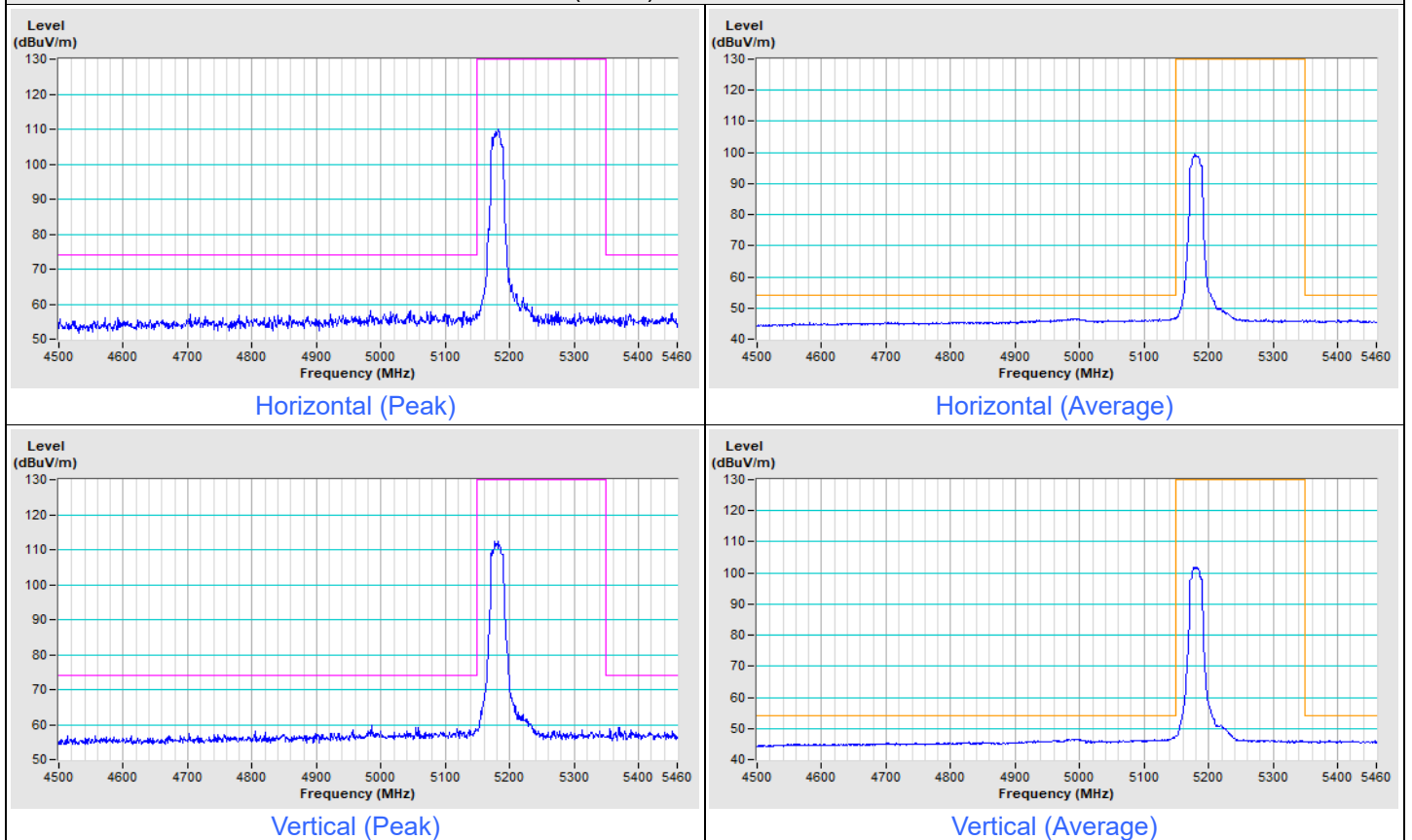
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 106-tone RU Channel 149



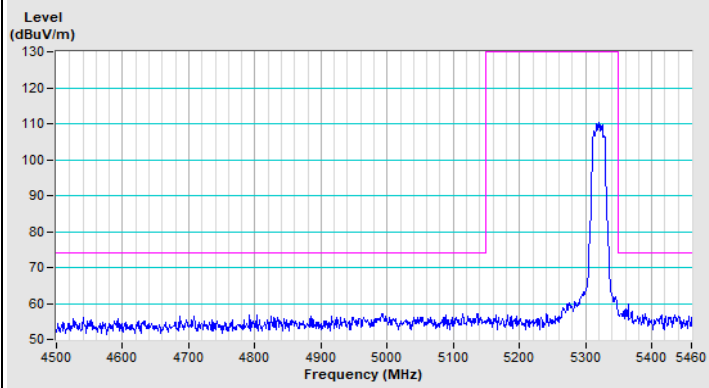
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE40) 242-tone RU Channel 38

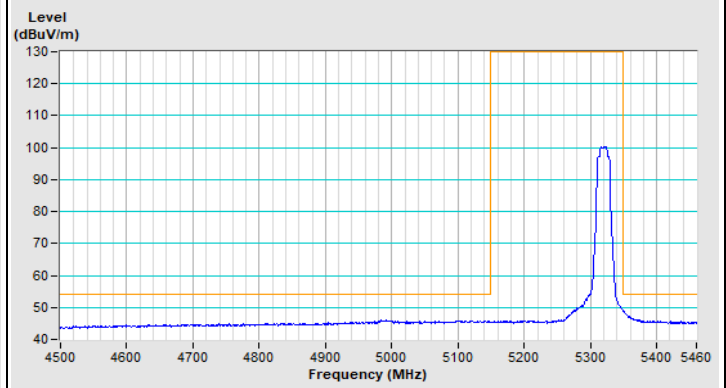




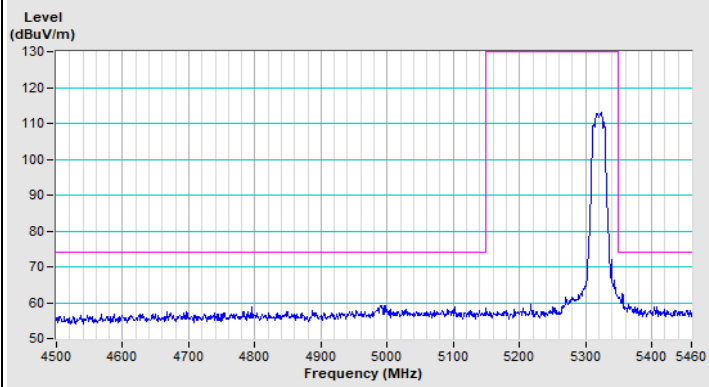
### 802.11ax (HE40) 242-tone RU Channel 62



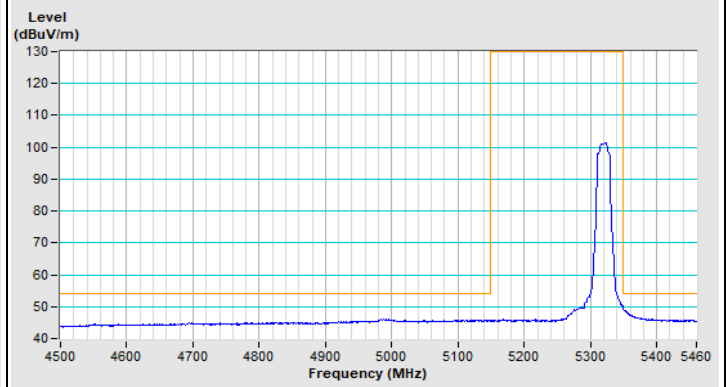
Horizontal (Peak)



Horizontal (Average)



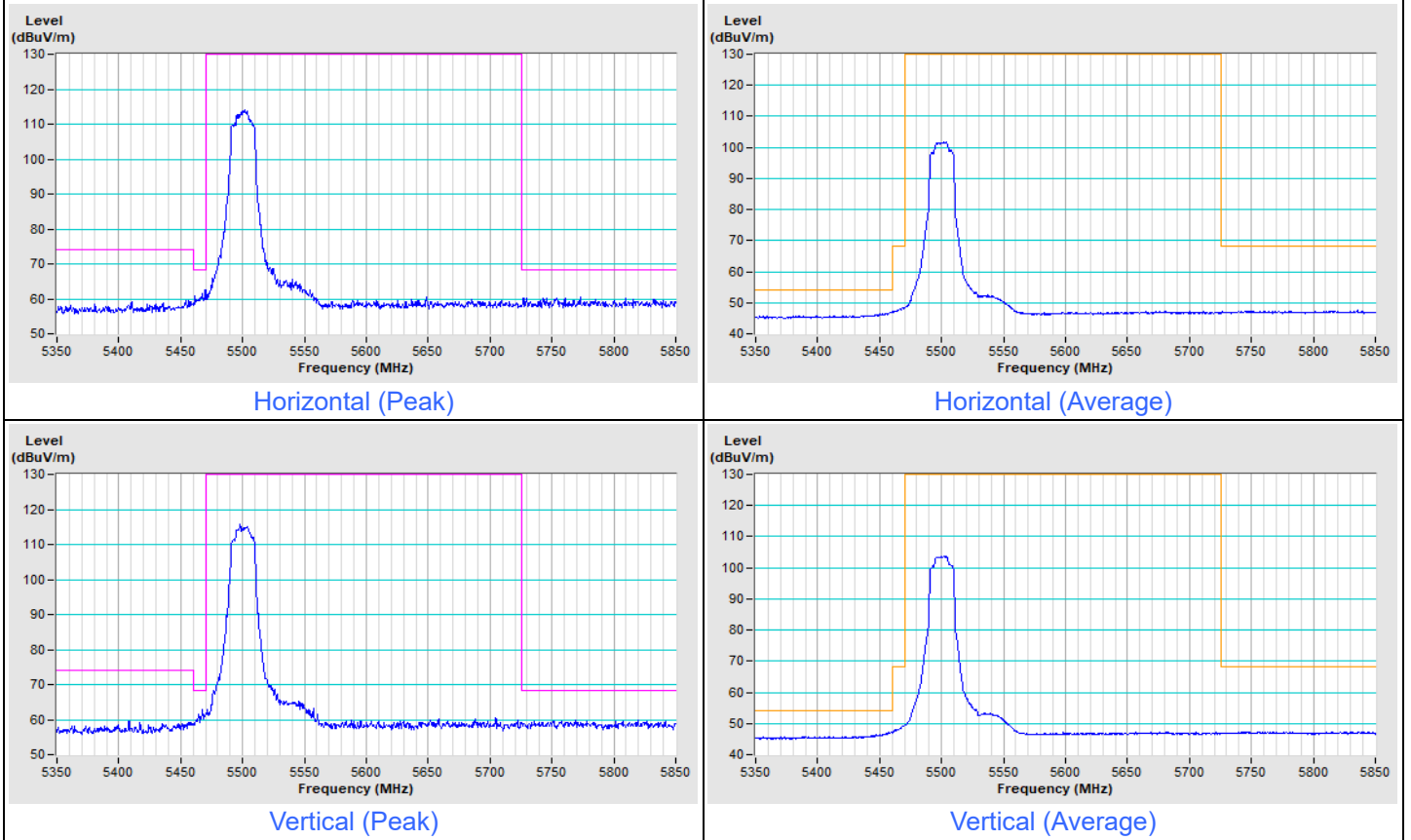
Vertical (Peak)



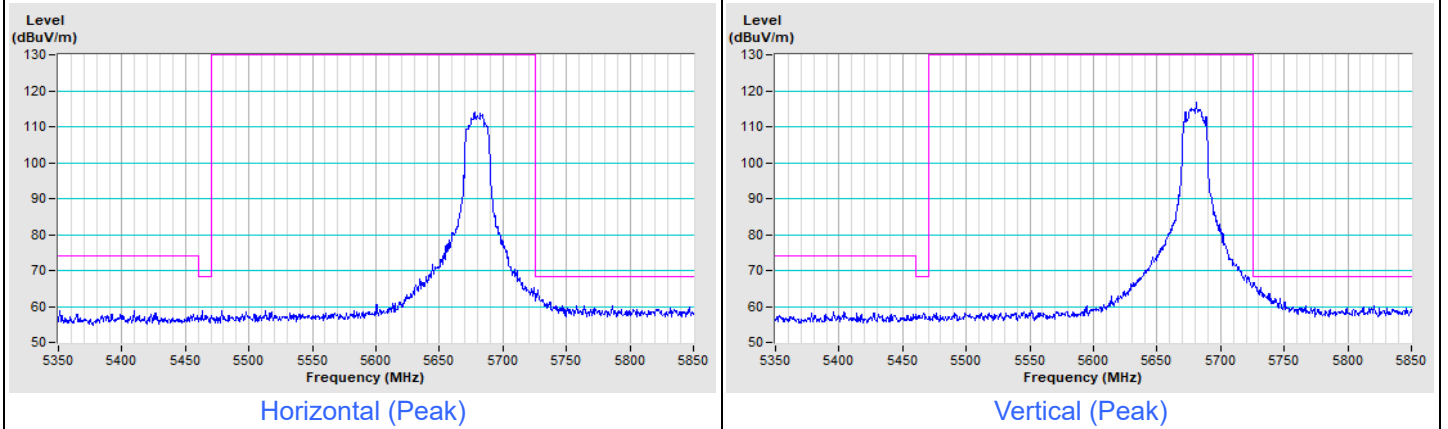
Vertical (Average)

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) 242-tone RU Channel 102

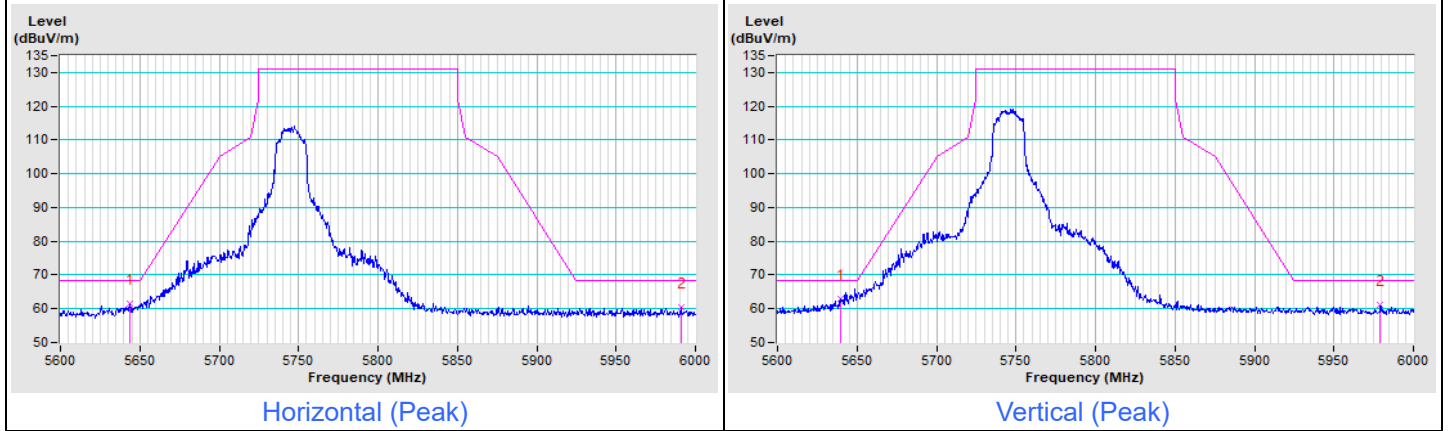


802.11ax (HE40) 242-tone RU Channel 134



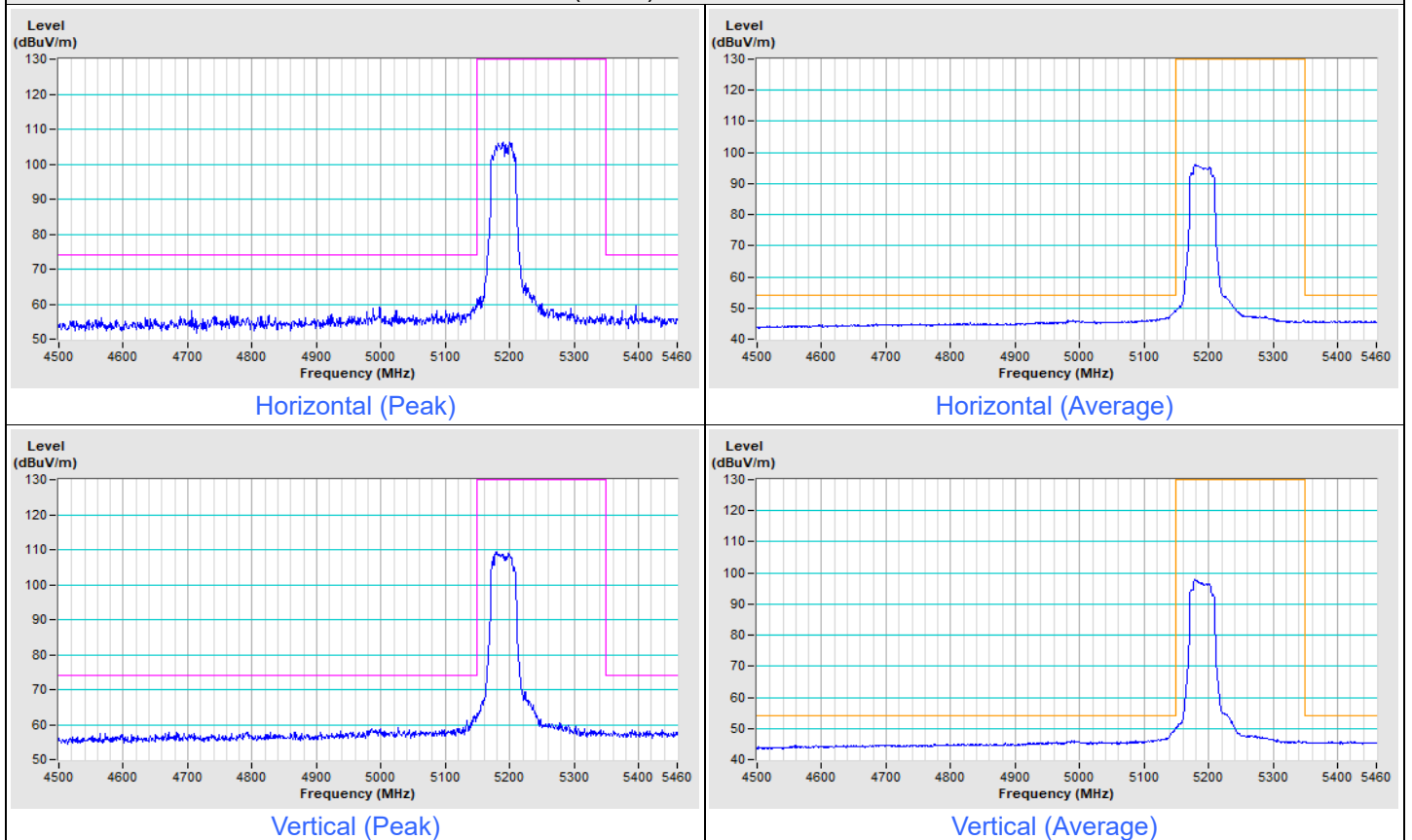
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) 242-tone RU Channel 151

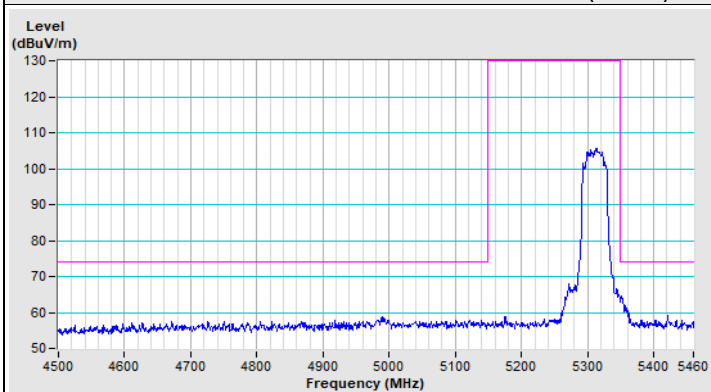


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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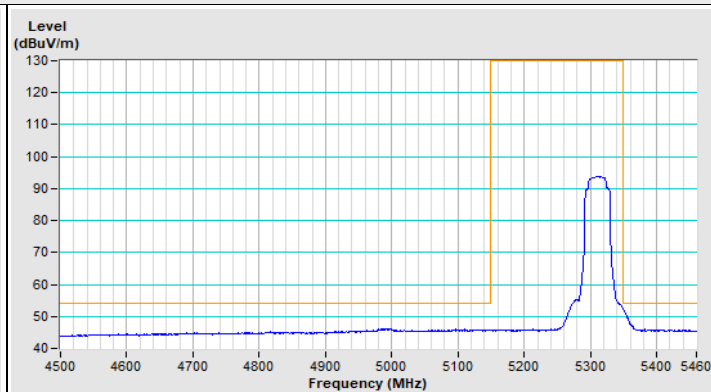
802.11ax (HE80) 484-tone RU Channel 42



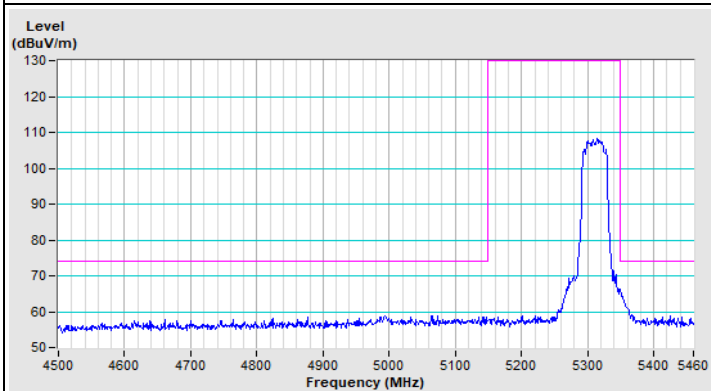
### 802.11ax (HE80) 484-tone RU Channel 58



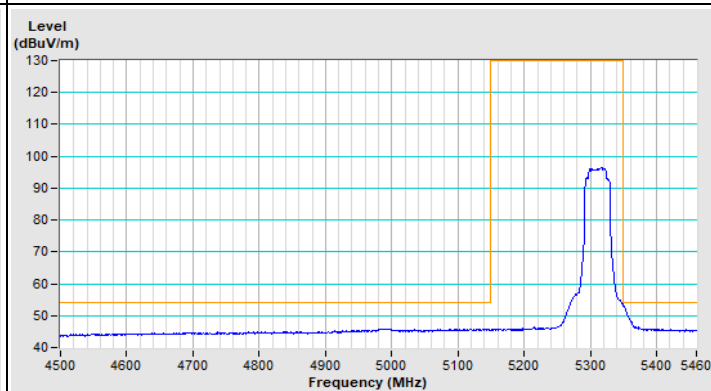
Horizontal (Peak)



Horizontal (Average)



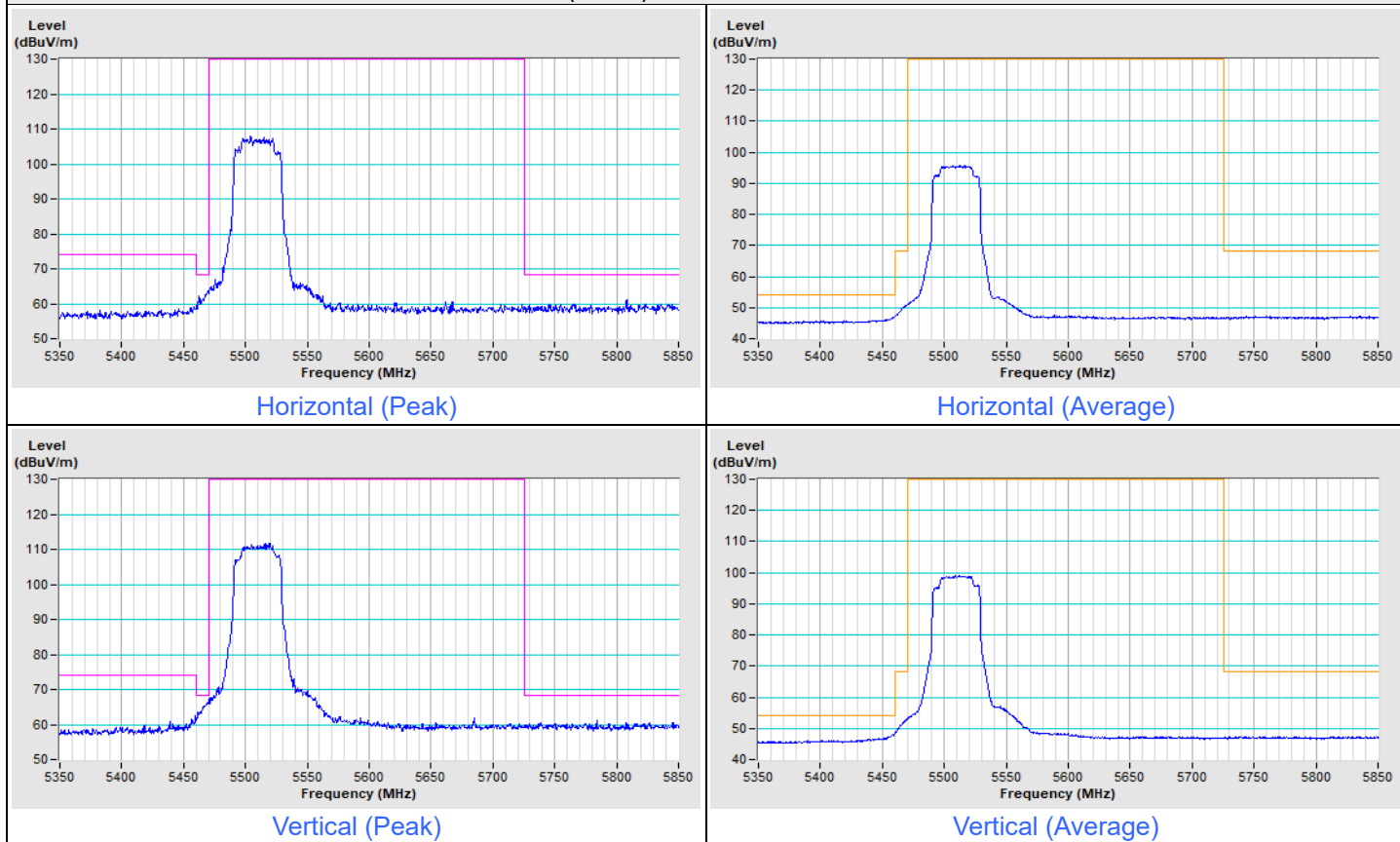
Vertical (Peak)



Vertical (Average)

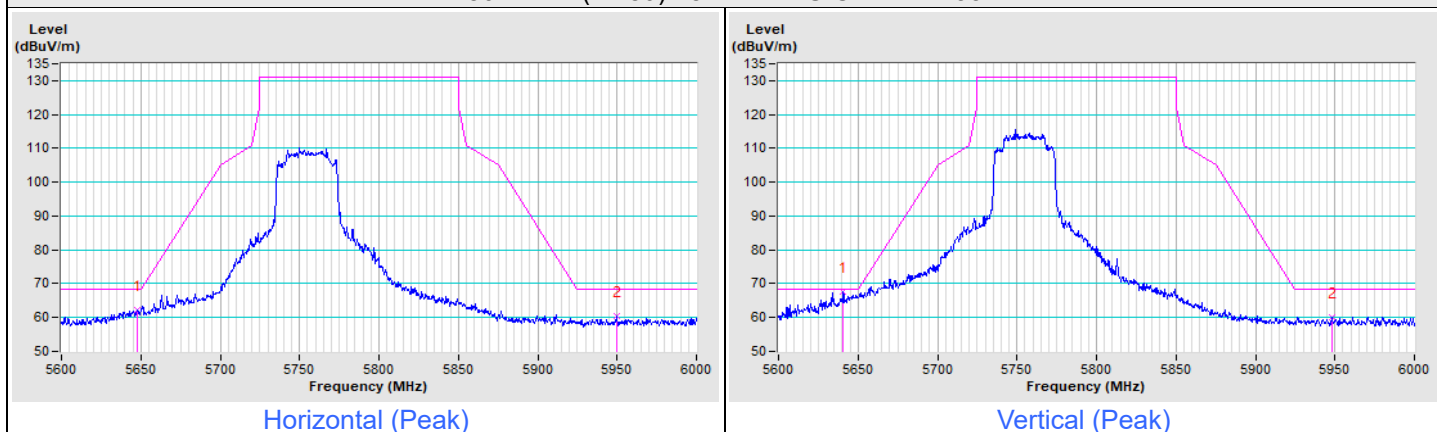
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) 484-tone RU Channel 106



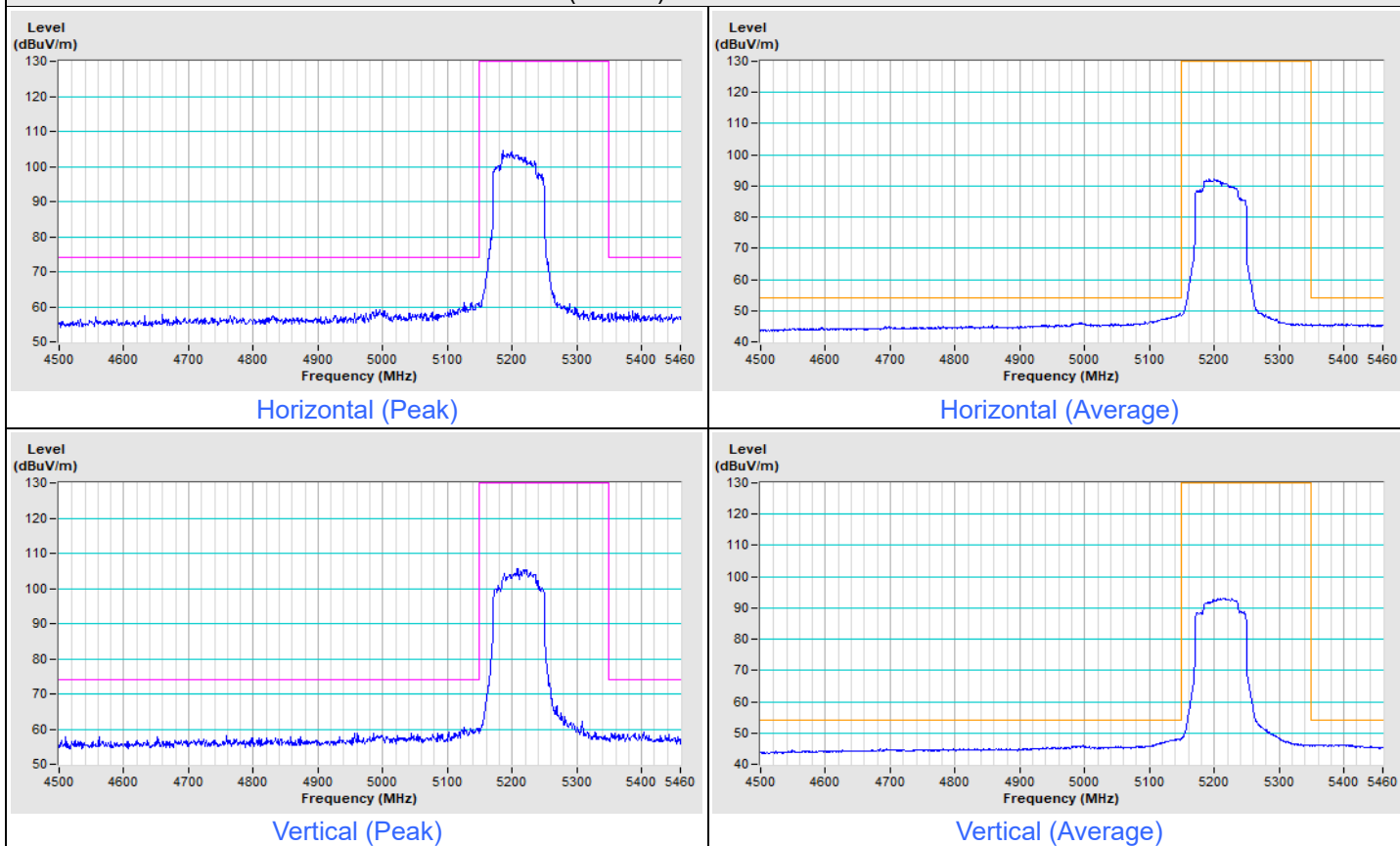
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) 484-tone RU Channel 155



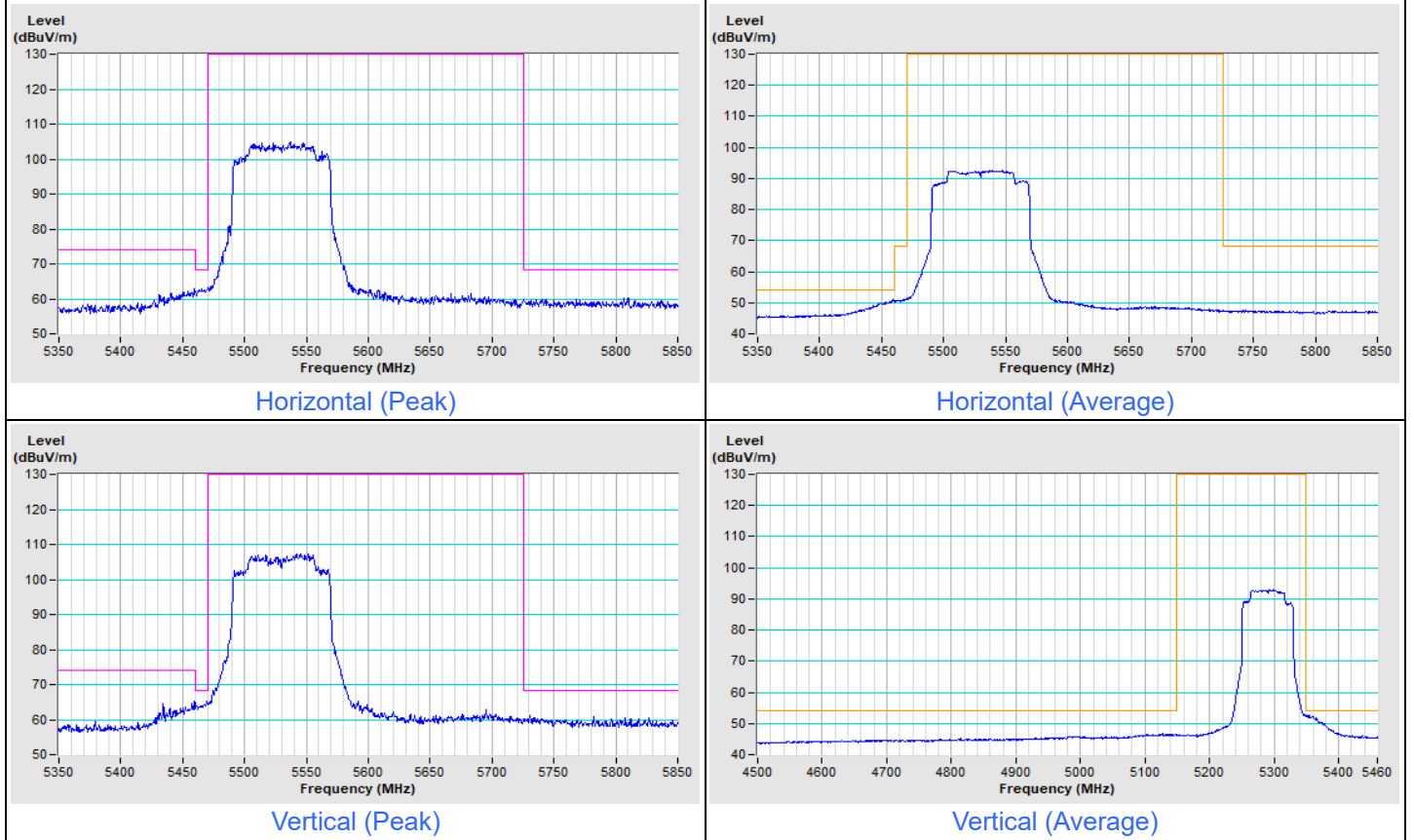
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE160) 996-tone RU Channel 50



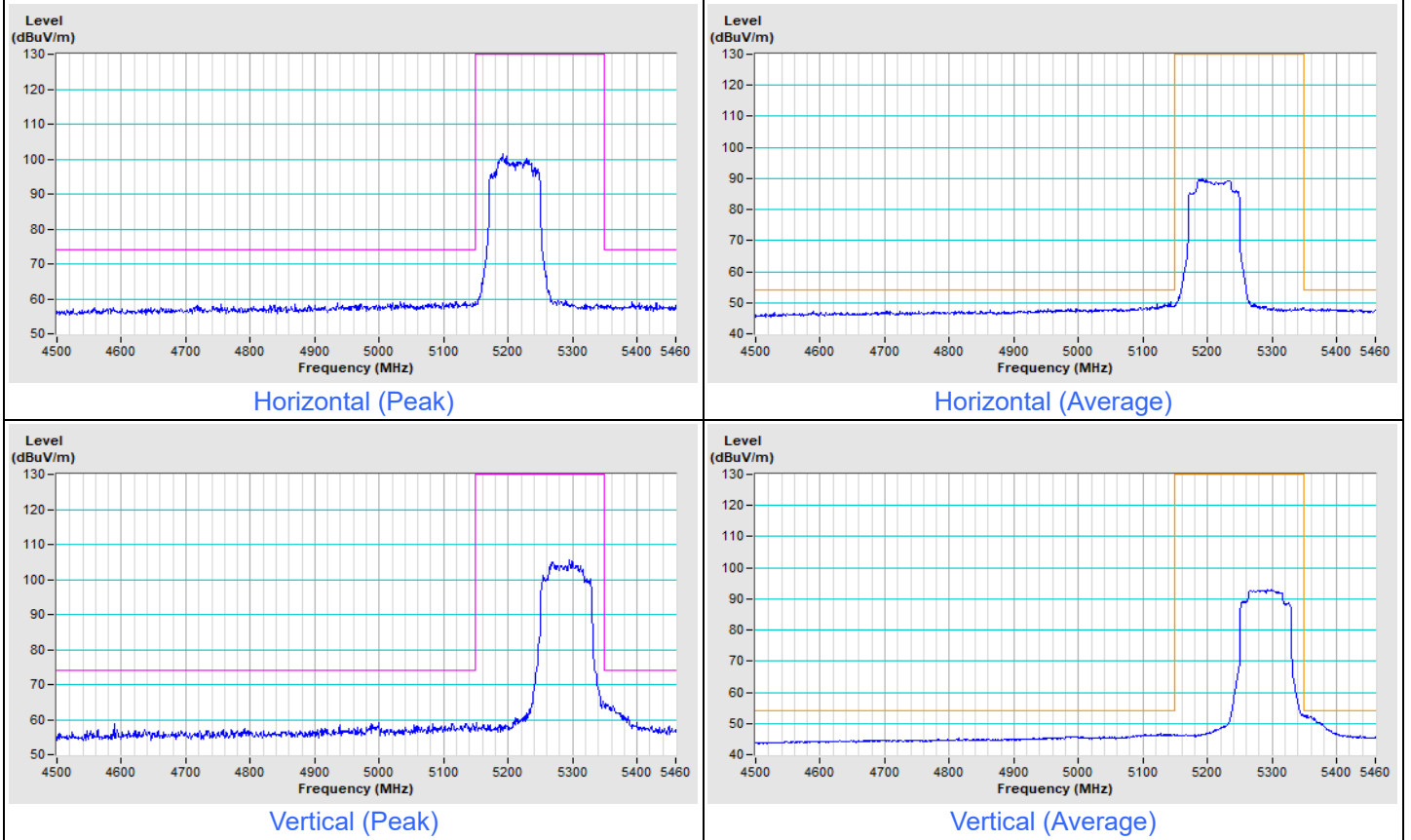
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE160) 996-tone RU Channel 114



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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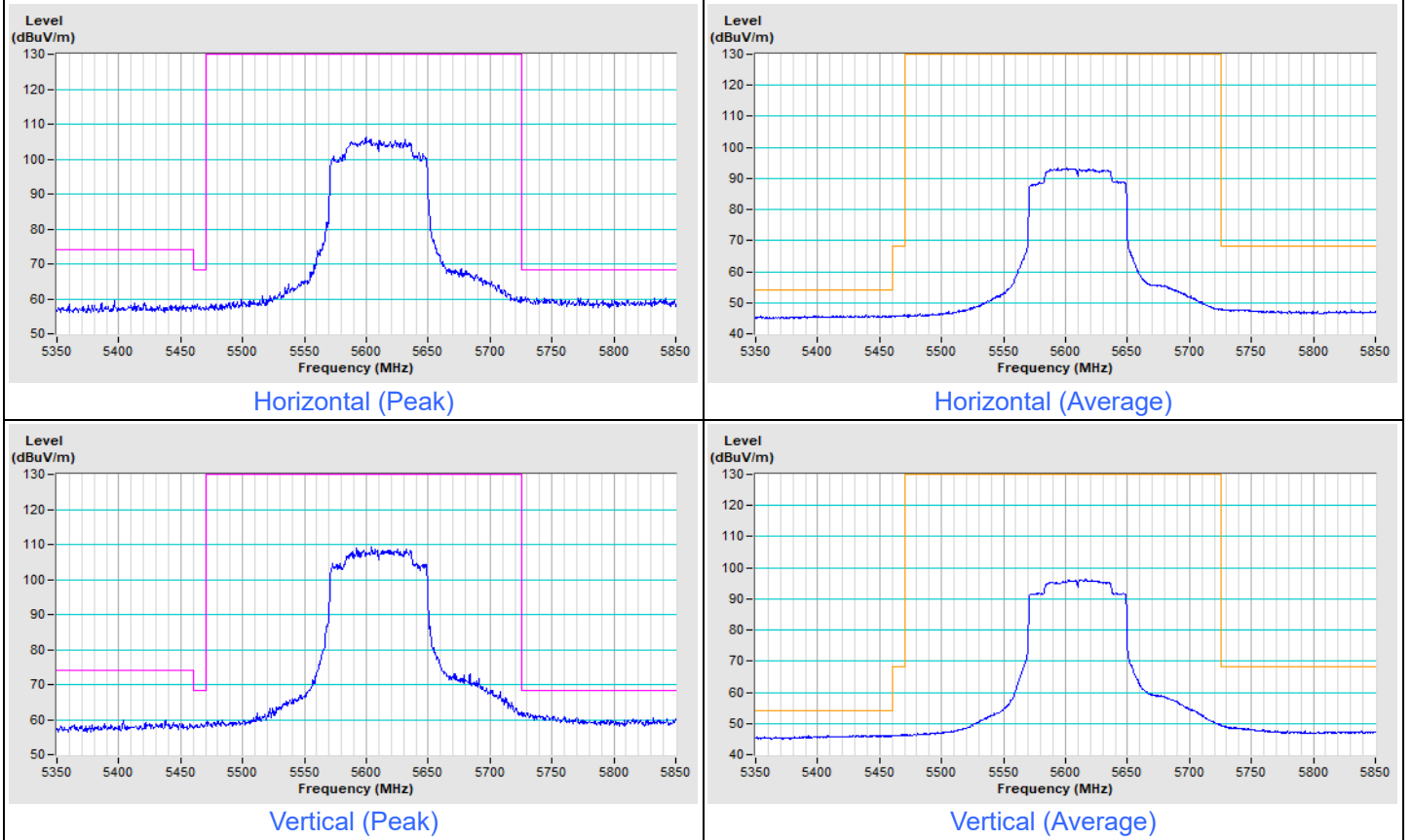
802.11ax (HE160) 996-tone RU RU996S Channel 50





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 (HE160) 996-tone RU RU996S Channel 114



## 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.

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

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