

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDKX-WTW-P25090552-3
FCC ID: 2AUS4-NFJ1
Product: Touch interface device
Trademark/ Brand: NEAT/ neat.
Model No.: NF-J1
Received Date: 2025/9/22
Test Date: 2025/10/7 ~ 2025/12/4
Issued Date: 2025/12/15
Applicant: Neatframe Limited
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
FCC Registration / 198487 / TW2021
Designation Number:

Approved by:

Jeremy Lin

Jeremy Lin / Project Engineer

, Date:

2025/12/15

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Prepared by : Annie Chang / Senior Specialist

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Table of Contents

Release Control Record	4
1 Certificate.....	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	7
2.2 Supplementary Information	7
3 General Information	8
3.1 General Description of EUT	8
3.2 Antenna Description of EUT	9
3.3 Channel List.....	10
3.4 Test Mode Applicability and Tested Channel Detail.....	12
3.5 Duty Cycle of Test Signal.....	14
3.6 Test Program Used and Operation Descriptions	18
3.7 Connection Diagram of EUT and Peripheral Devices	18
3.8 Configuration of Peripheral Devices and Cable Connections	19
4 Test Instruments	20
4.1 26 dB Bandwidth	20
4.2 RF Output Power.....	20
4.3 Power Spectral Density	20
4.4 6 dB Bandwidth	20
4.5 Occupied Bandwidth.....	21
4.6 AC Power Conducted Emissions	21
4.7 Unwanted Emissions below 1 GHz	22
4.8 Unwanted Emissions above 1 GHz.....	23
5 Limits of Test Items.....	24
5.1 26 dB Bandwidth	24
5.2 RF Output Power.....	24
5.3 Power Spectral Density	24
5.4 6 dB Bandwidth	24
5.5 Occupied Bandwidth.....	24
5.6 AC Power Conducted Emissions	25
5.7 Unwanted Emissions below 1 GHz	25
5.8 Unwanted Emissions above 1 GHz.....	26
6 Test Arrangements.....	27
6.1 26 dB Bandwidth	27
6.1.1 Test Setup	27
6.1.2 Test Procedure.....	27
6.2 RF Output Power.....	28
6.2.1 Test Setup	28
6.2.2 Test Procedure.....	28
6.3 Power Spectral Density	29
6.3.1 Test Setup	29
6.3.2 Test Procedure.....	29
6.4 6 dB Bandwidth	29
6.4.1 Test Setup	29
6.4.2 Test Procedure.....	29
6.5 Occupied Bandwidth.....	30
6.5.1 Test Setup	30
6.5.2 Test Procedure.....	30
6.6 AC Power Conducted Emissions	31
6.6.1 Test Setup	31
6.6.2 Test Procedure.....	31
6.7 Unwanted Emissions below 1 GHz	32
6.7.1 Test Setup	32
6.7.2 Test Procedure.....	33

6.8	Unwanted Emissions above 1 GHz.....	34
6.8.1	Test Setup	34
6.8.2	Test Procedure	34
7	Test Results of Test Item	35
7.1	26 dB Bandwidth	35
7.2	RF Output Power.....	42
7.3	Power Spectral Density	54
7.4	6 dB Bandwidth	61
7.5	Occupied Bandwidth.....	63
7.6	AC Power Conducted Emissions	69
7.7	Unwanted Emissions below 1 GHz	71
7.8	Unwanted Emissions above 1 GHz.....	73
8	Pictures of Test Arrangements	141
9	Information of the Testing Laboratories	142

Release Control Record

Issue No.	Description	Date Issued
RFBDKX-WTW-P25090552-3	Original release.	2025/12/15

1 Certificate

Product: Touch interface device

Trademark/ Brand: NEAT/ neat.

Test Model: NF-J1

Sample Status: Engineering sample

Applicant: Neatframe Limited

Test Date: 2025/10/7 ~ 2025/12/4

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

Measurement procedure: ANSI C63.10-2020
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -4.35 dB at 3.44498 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.4 dB at 474.26 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 -0.6 dB at 5725.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Specification	Uncertainty (±)
26 dB Bandwidth	-	960 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	960 Hz
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.55 dB
	30 MHz ~ 1 GHz	5.77 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 6 GHz	4.71 dB
	6 GHz ~ 18 GHz	5.3 dB
	18 GHz ~ 40 GHz	4.98 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	Touch interface device
Trademark/ Brand	NEAT/ neat.
Test Model	NF-J1
Status of EUT	Engineering sample
Power Supply Rating	56Vdc
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: 67.532 mW (18.3 dBm) 5.25 GHz ~ 5.32 GHz: 64.669 mW (18.11 dBm) 5.5 GHz ~ 5.72 GHz: 65.321 mW (18.15 dBm) 5.745 GHz ~ 5.825 GHz: 63.099 mW (18 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Item	Specification
RJ45 Cable	Non-shielded without Core, 3m

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

3. Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology can not transmit at same time.

4. The EUT does not support Partial RU technology.

5. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	Gain (dBi)	Antenna Type	Connector Type
1	3.87	Monopole	ipex(MHF)
2	3.89	Monopole	ipex(MHF)

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

2. The EUT incorporates a MIMO function:

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

Note:

- 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 investigated worst case is the representative mode in test report.
- The EUT does not use channel puncturing and bandwidth reduction.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The antenna can be used in the following ways: X / Y / Z axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	1. The antenna the worst case was found when positioned on (X / Y / Z axis): Z axis

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

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

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

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 2.097 ms / 2.113 ms x 100% = 99.2%

802.11ac (VHT20): Duty cycle = 5.4 ms / 5.416 ms x 100% = 99.7%

802.11ac (VHT40): Duty cycle = 5.201 ms / 5.216 ms x 100% = 99.7%

802.11ac (VHT80): Duty cycle = 2.7 ms / 2.715 ms x 100% = 99.4%

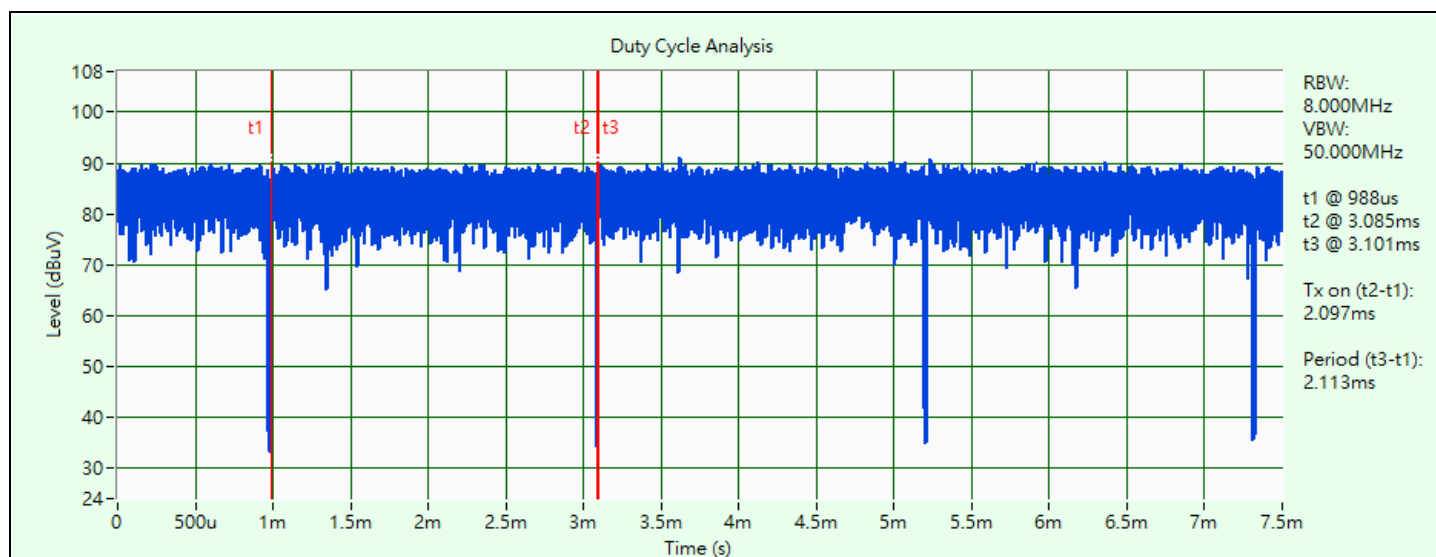
802.11ac (VHT160): Duty cycle = 2.136 ms / 2.151 ms x 100% = 99.3%

802.11ax (HE20): Duty cycle = 5.419 ms / 5.434 ms x 100% = 99.7%

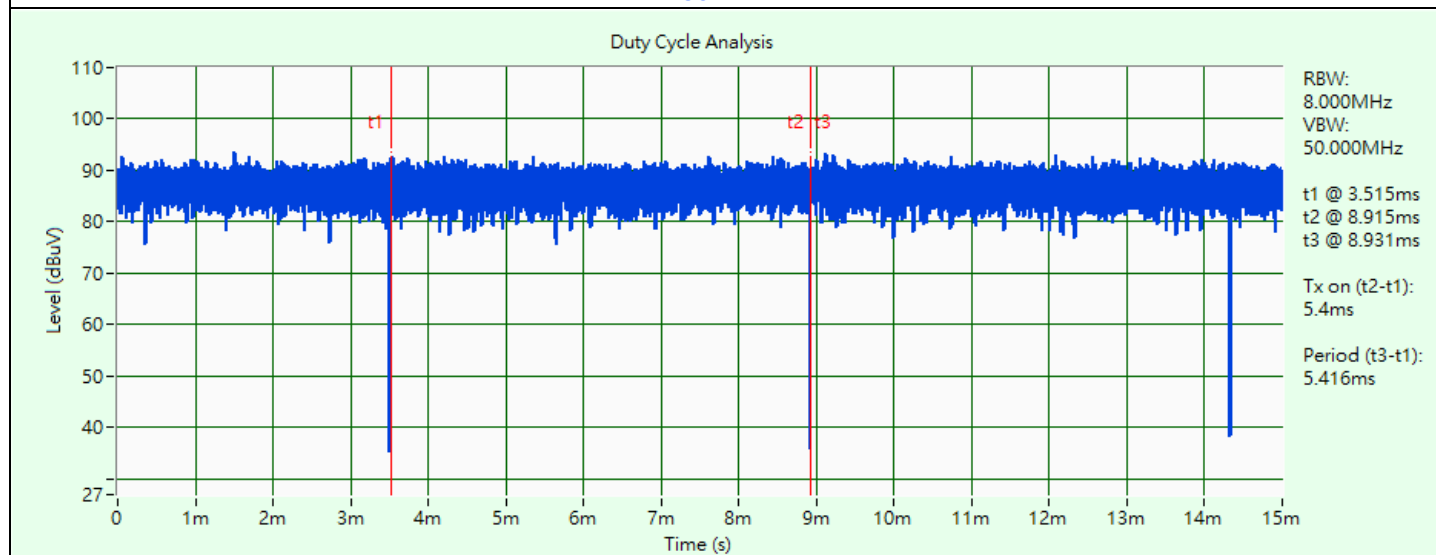
802.11ax (HE40): Duty cycle = 4.105 ms / 4.119 ms x 100% = 99.7%

802.11ax (HE80): Duty cycle = 2.218 ms / 2.233 ms x 100% = 99.3%

802.11ax (HE160): Duty cycle = 2.154 ms / 2.169 ms x 100% = 99.3%

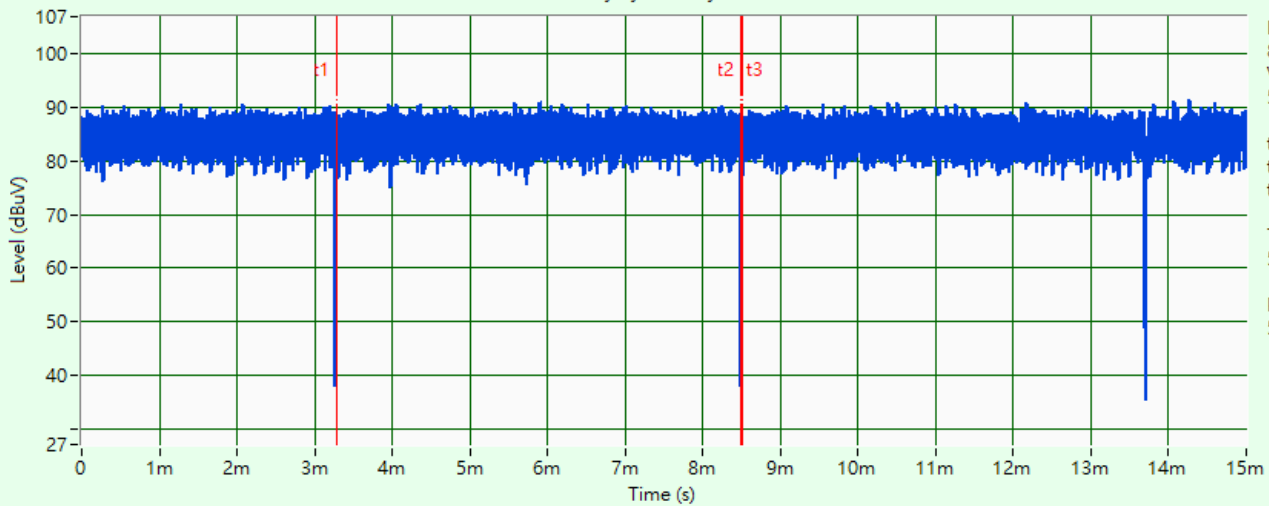


802.11a



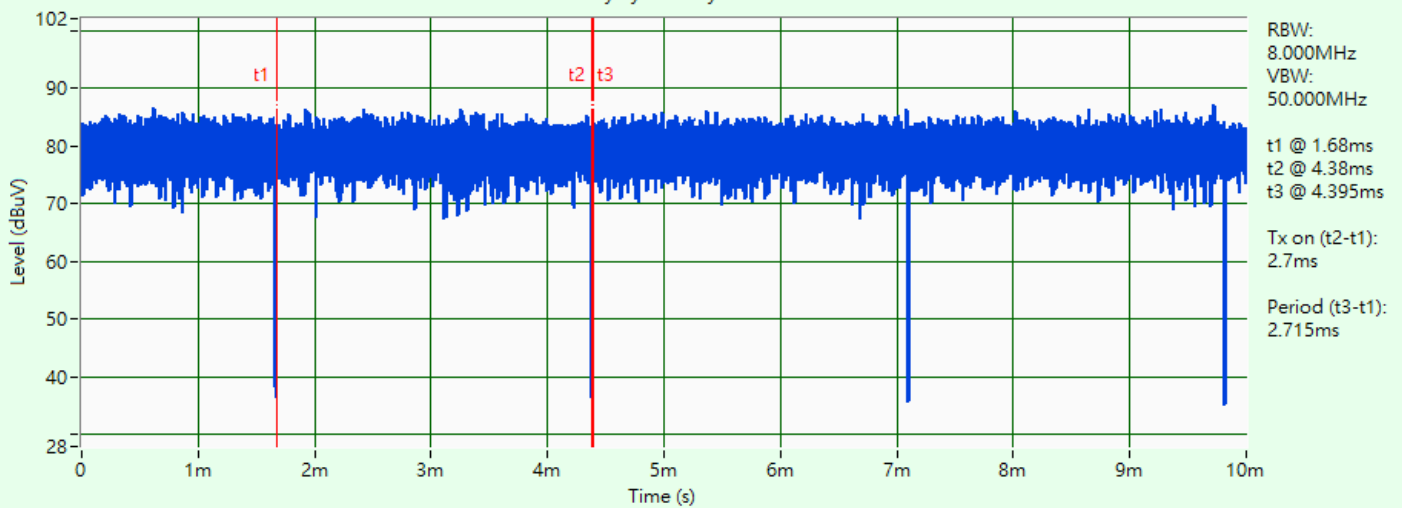
802.11ac (VHT20)

Duty Cycle Analysis



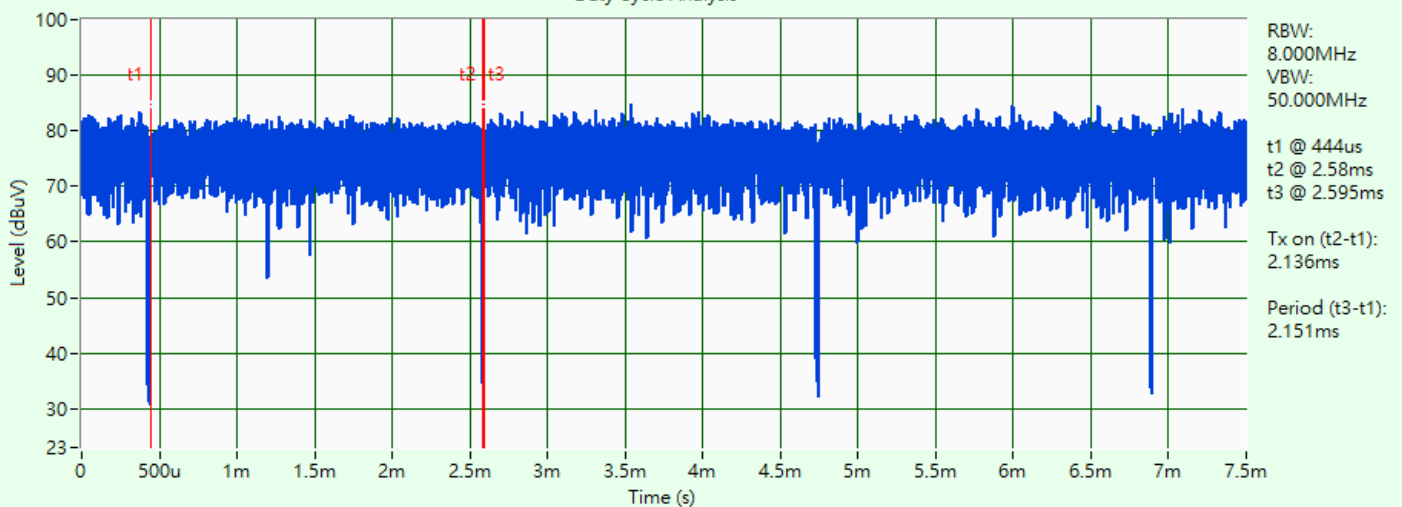
802.11ac (VHT40)

Duty Cycle Analysis



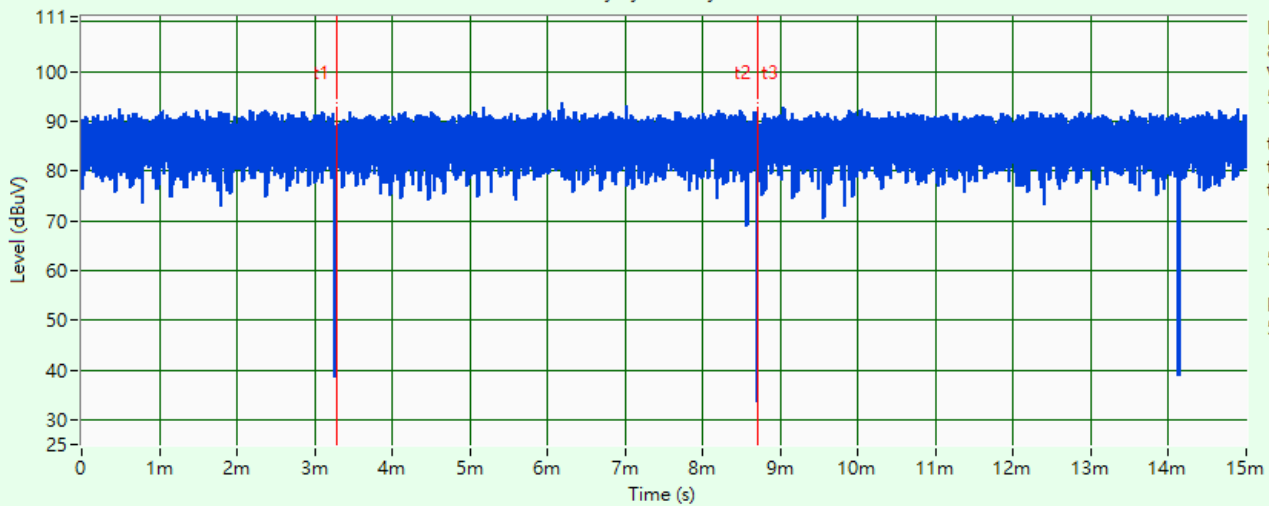
802.11ac (VHT80)

Duty Cycle Analysis



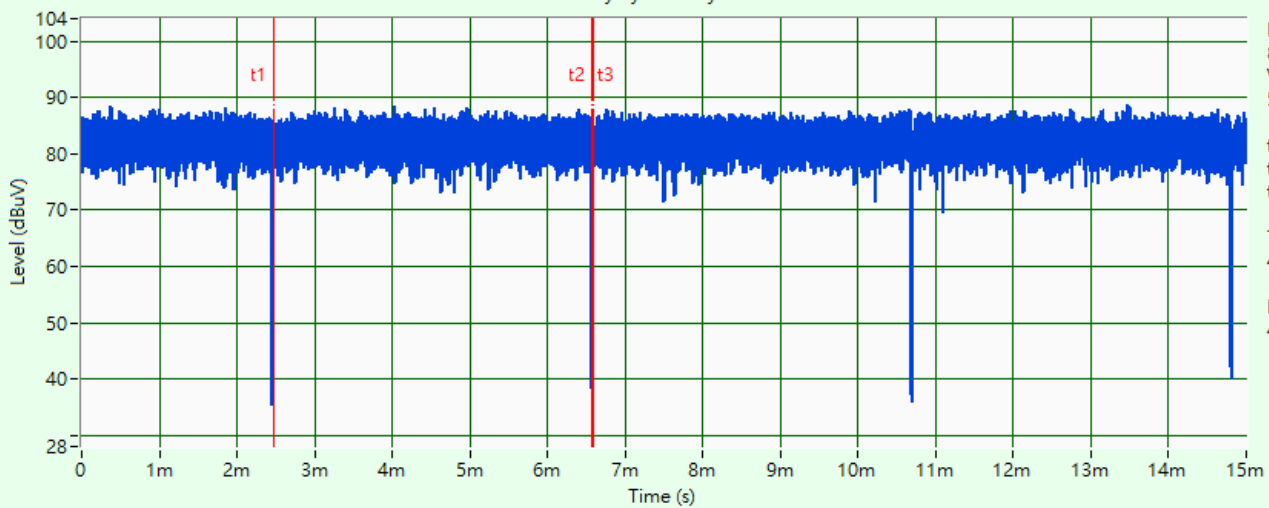
802.11ac (VHT160)

Duty Cycle Analysis



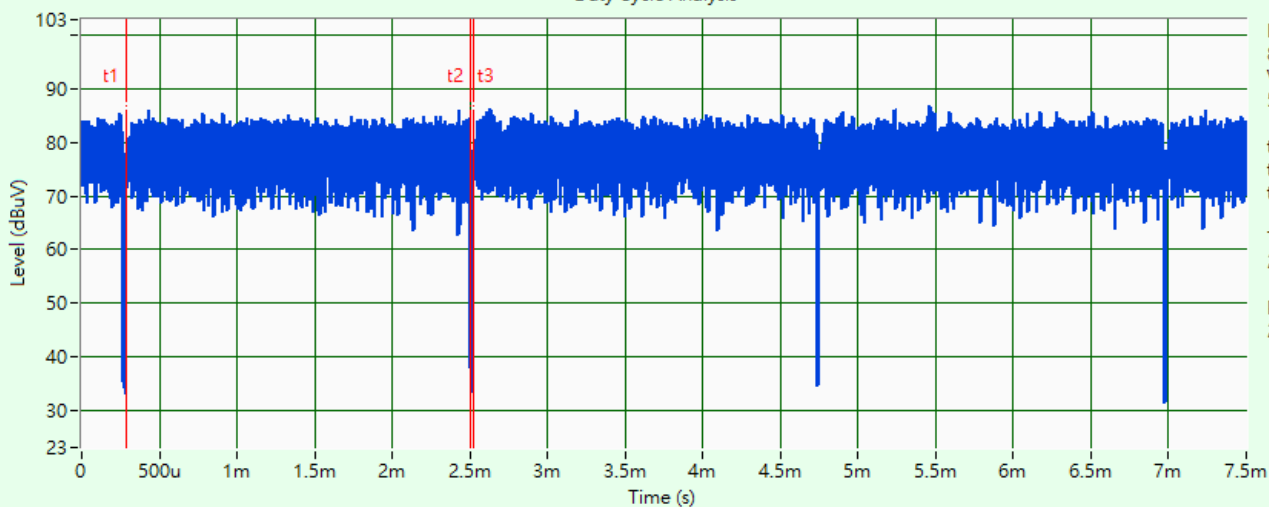
802.11ax (HE20)

Duty Cycle Analysis

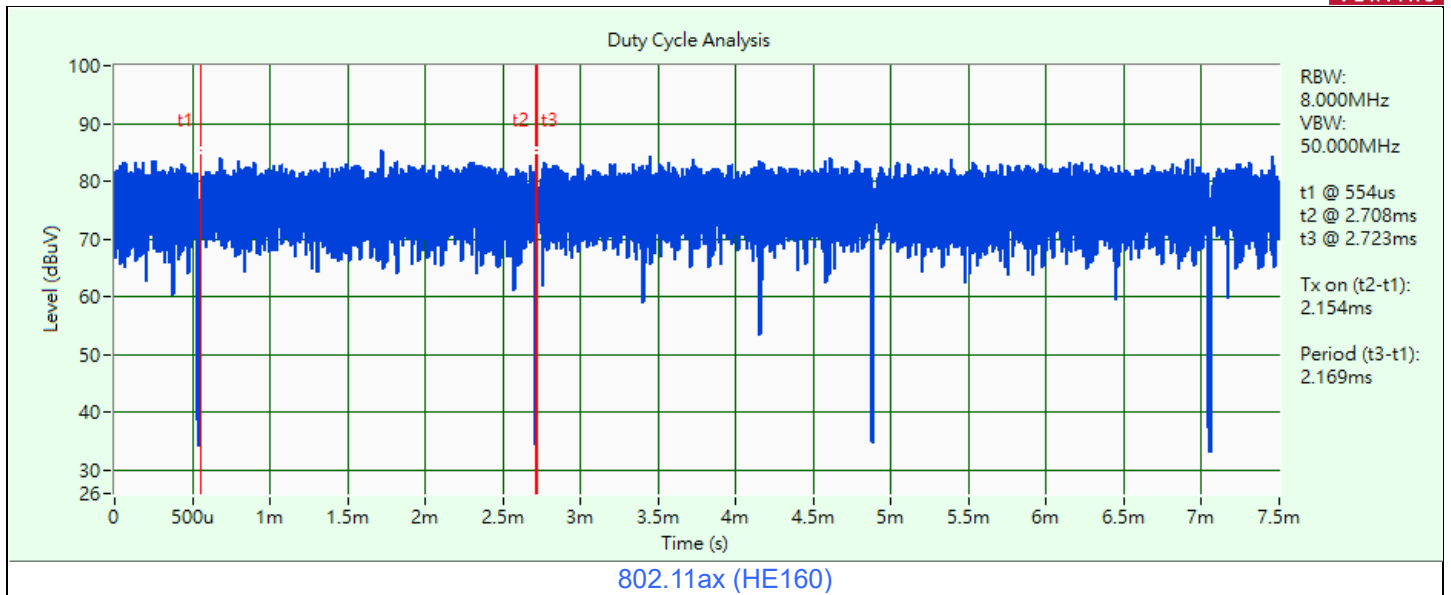


802.11ax (HE40)

Duty Cycle Analysis



802.11ax (HE80)

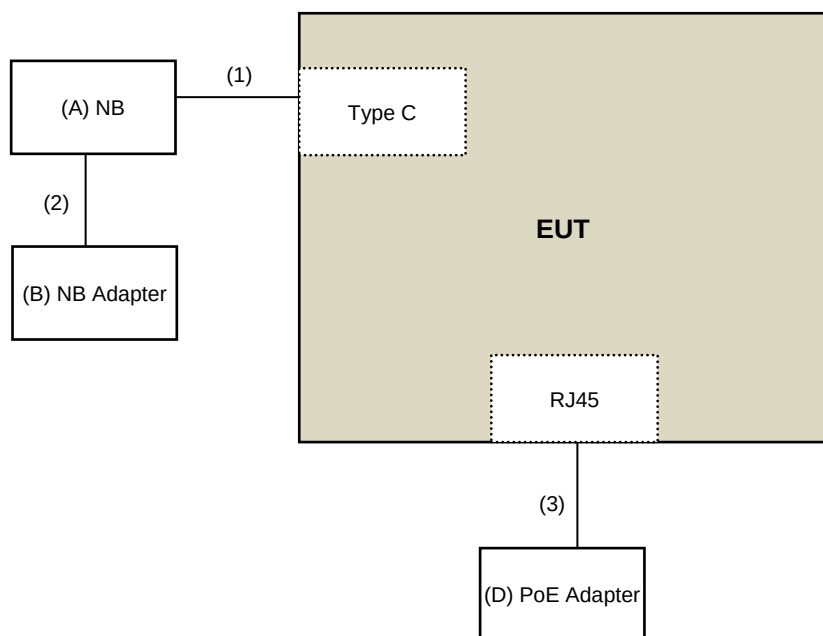


3.6 Test Program Used and Operation Descriptions

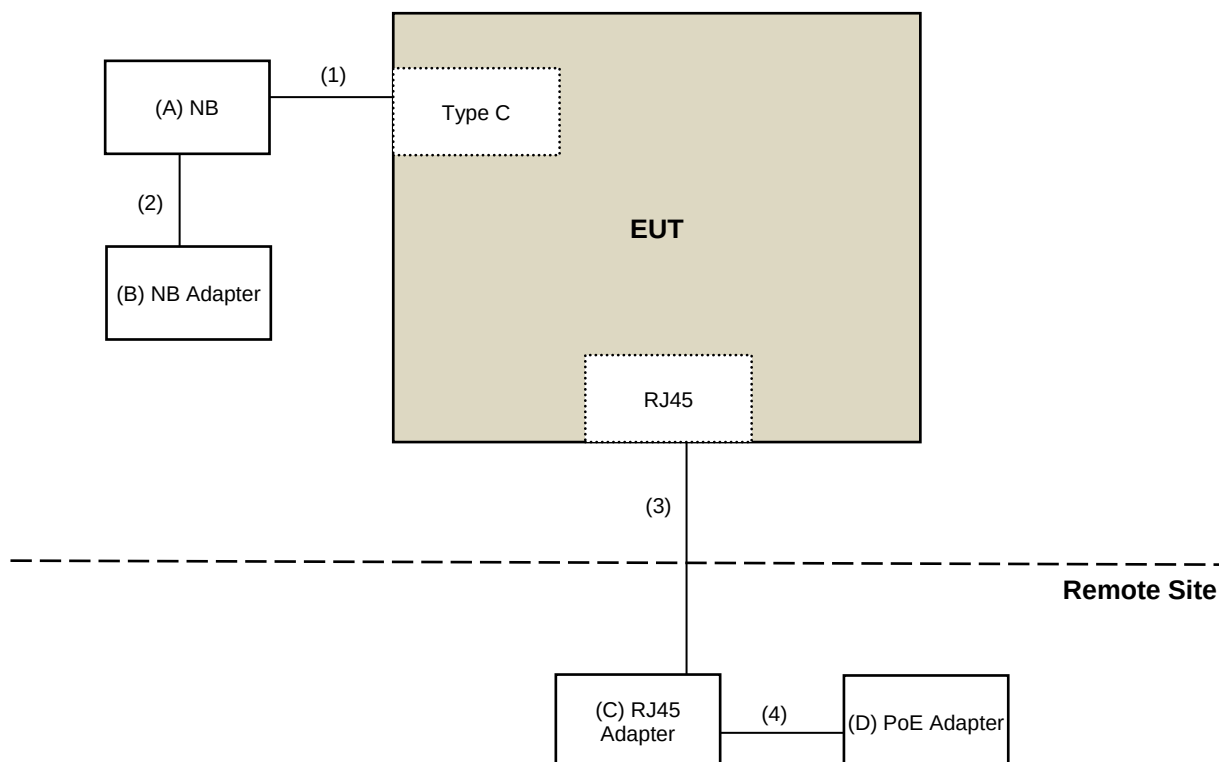
Controlling software (QRCT v4.0.163.1(2025/9/26)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For AC Power Condcuted Emission



For Unwanted Emissions



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	NB	Lenovo	IdeaPad 5 15ITL05	N/A	N/A	Provided by Lab
B	NB Adapter	Lenovo	ADLX65CLGC2A	N/A	N/A	Provided by Lab
C	RJ45 Adapter	N/A	N/A	N/A	N/A	Provided by Lab
D	PoE Adapter	PHIHONG	POE16R-1AFG6	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Type C cable	1	1	Y	0	Provided by Lab
2	DC cable	1	1.8	N	0	Provided by Lab
3	RJ45 Cable	1	3	N	0	Supplied by applicant
4	RJ45 Cable	1	10	N	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/10/23

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1339443	2025/5/28	2026/5/27
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2025/1/21	2026/1/20

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/10/23

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance LYNICS	0900510	E1-01-305	2025/2/20	2026/2/19
		E1-01-306	2025/4/16	2026/4/15
DC LISN R&S	ESH3-Z6	100219	2025/7/10	2026/7/9
		844950/018	2025/7/10	2026/7/9
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01631	2025/5/2	2026/5/1
EMI Test Receiver R&S	EPL 1000	101064	2025/4/17	2026/4/16
		101065	2025/4/22	2026/4/21
	ESR3	102412	2024/12/26	2025/12/25
High Pass Filter EMCI	150HPF-ME	114005	2025/5/2	2026/5/1
		114006	2025/5/2	2026/5/1
	150HPF-MF	113009	2025/5/2	2026/5/1
High Voltage Probe Schwarzbeck	TK9420	00982	2024/12/6	2025/12/5
LISN R&S	ENV216	101195	2025/7/18	2026/7/17
		101196	2025/5/19	2026/5/18
		101197	2025/7/4	2026/7/3
LISN Schwarzbeck	NNLK 8121	8121-731	2025/6/10	2026/6/9
		8121-00759	2025/8/12	2026/8/11
		8121-808	2025/4/23	2026/4/22
	NNLK 8129	00624	2025/10/9	2026/10/8
		8129229	2025/10/14	2026/10/13
	NSLK 8128	8128-244	2025/11/11	2026/11/10
Passive Voltage Probe R&S	ESH2-Z3	100073	2025/5/26	2026/5/25
RF Coaxial Cable PEWC	5D-FB	Cable-CO5-01	2025/1/17	2026/1/16
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 5.
2. Tested Date: 2025/12/4

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	137	2025/9/17	2026/9/16
Coupling / Decoupling Network Schwarzbeck	CDNE-M2	00097	2025/5/28	2026/5/27
	CDNE-M3	00091	2025/3/20	2026/3/19
MXE EMI Receiver Agilent	N9038A	MY51210114	2025/2/10	2026/2/9
Preamplifier Agilent	8447D	2944A11064	2025/2/14	2026/2/13
Radiating Loop Antenna TESEQ	RLA 6120-20	80002	2025/7/29	2026/7/28
RF Coaxial Cable Pacific	8D-FB	Cable-CH6-02	2025/6/24	2026/6/23
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2025/10/7

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight antenna tower fixture BV	BAF-02	6	N/A	N/A
High Pass Filter Wainwright	WHK 3.1/18G-10SS	SN 8	2025/5/22	2026/5/21
Horn Antenna EMCO	3115	00028257	2024/11/10 2025/11/9	2025/11/9 2026/11/8
Horn Antenna ETS-Lindgren	3117-PA	00215857	2024/11/10 2025/11/9	2025/11/9 2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	212	2024/10/18 2025/10/28	2025/10/17 2026/10/27
		BBHA9170190	2024/11/10 2025/11/9	2025/11/9 2026/11/8
MXE EMI Receiver Agilent	N9038A	MY51210114	2025/2/10	2026/2/9
Notch Filter Micro-Tronics	BRC50703-01	010	2025/5/22	2026/5/21
	BRM17690	005	2025/5/22	2026/5/21
Preamplifier EMCI	EMC0126545	980076	2025/2/14	2026/2/13
	EMC184045B	980175	2025/8/23	2026/8/22
		980235	2025/2/14	2026/2/13
Preamplifier HP	8449B	3008A01201	2025/2/14	2026/2/13
RF Coaxial Cable EMCI	EMC104	190801	2025/7/4	2026/7/3
		190804	2025/7/4	2026/7/3
RF Coaxial Cable EMEC	EM102-KMKM-100	02	2025/7/4	2026/7/3
RF Coaxial Cable HUBER+SUHNER	SF-104	Cable-CH6-01	2025/7/4	2026/7/3
Signal Analyzer R&S	FSV40	101042	2025/9/19	2026/9/18
		101544	2025/7/1	2026/6/30
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2025/10/14 ~ 2025/12/3

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

Operation Band	Limit
U-NII-2A	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
Above 960	500	3

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*1}	PK: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	PK: 122.2 (dBμV/m) ^{*4}

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

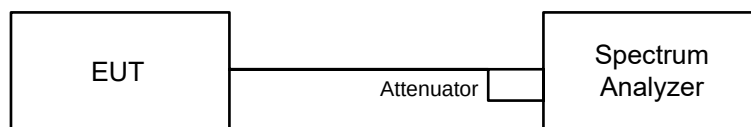
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

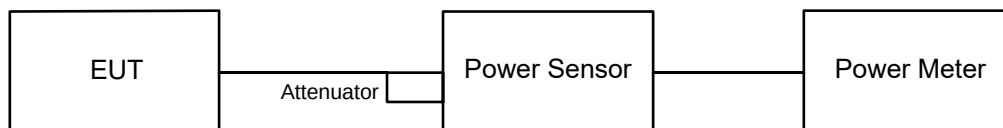


6.1.2 Test Procedure

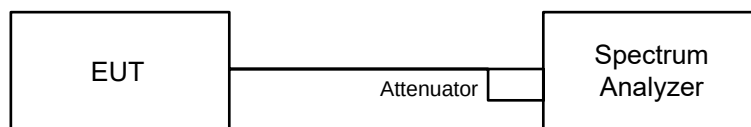
- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max-hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and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

6.2 RF Output Power

6.2.1 Test Setup



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:

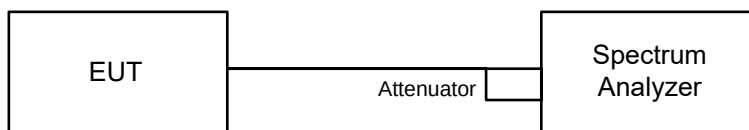
Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging (rms) mode.
- Compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band-power measurement function, with band limits set equal to the OBW band edges. If the instrument does not have a band-power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 99% OBW of the spectrum.
- Record the max value.

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

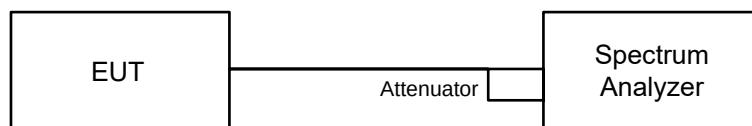
For specified measurement bandwidth 500 kHz:

Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

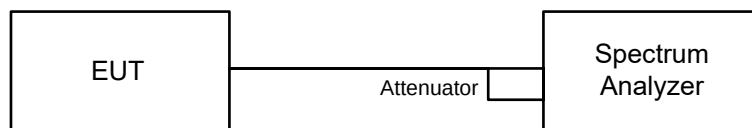


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup



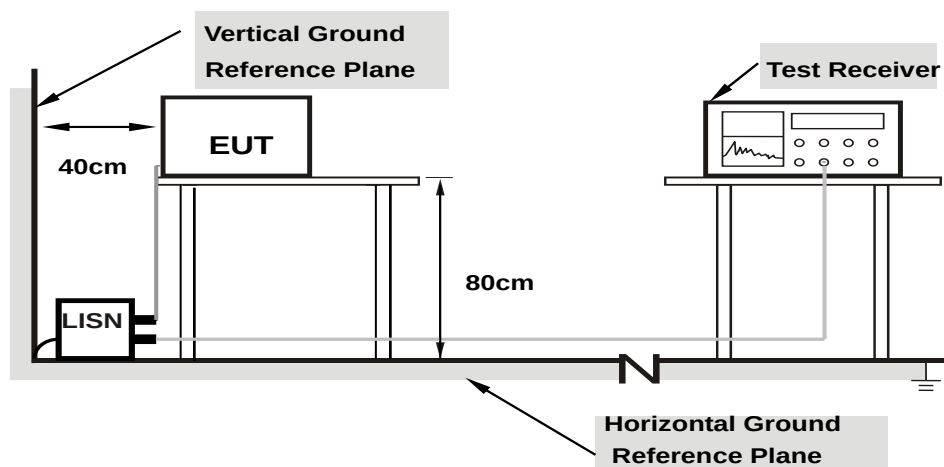
6.5.2 Test Procedure

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

- a. The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b. The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement.
- c. Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level.
- d. Step a) through step c) might require iteration to adjust within the specified range.
- e. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
- f. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

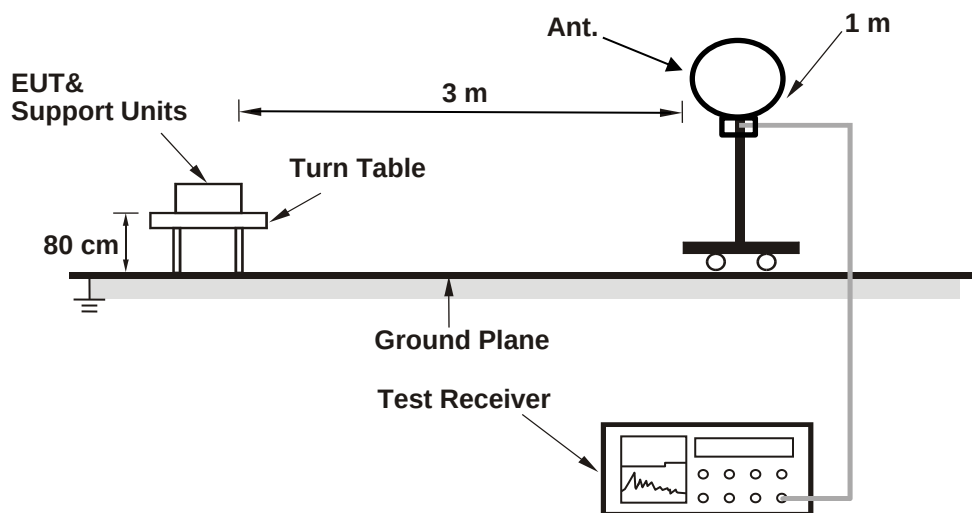
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

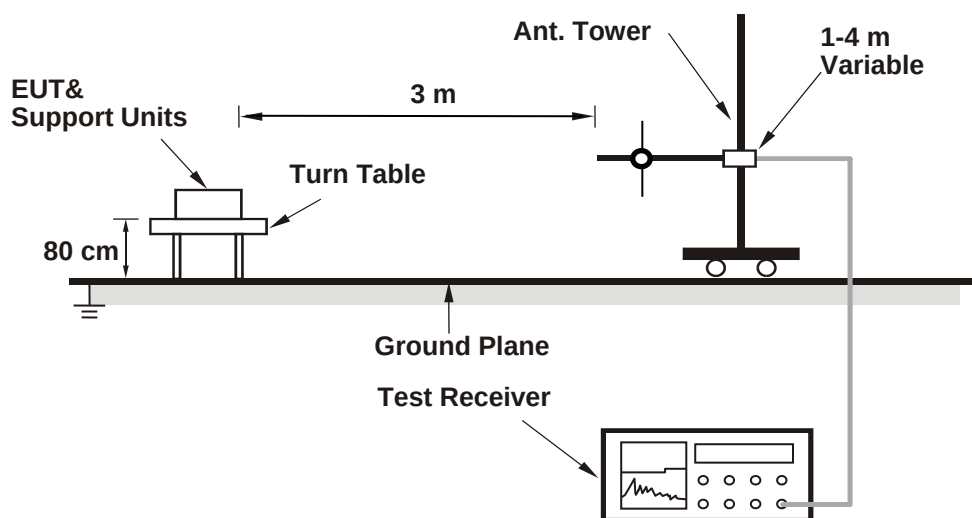
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- 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.
- 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:

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

For Radiated emission above 30 MHz

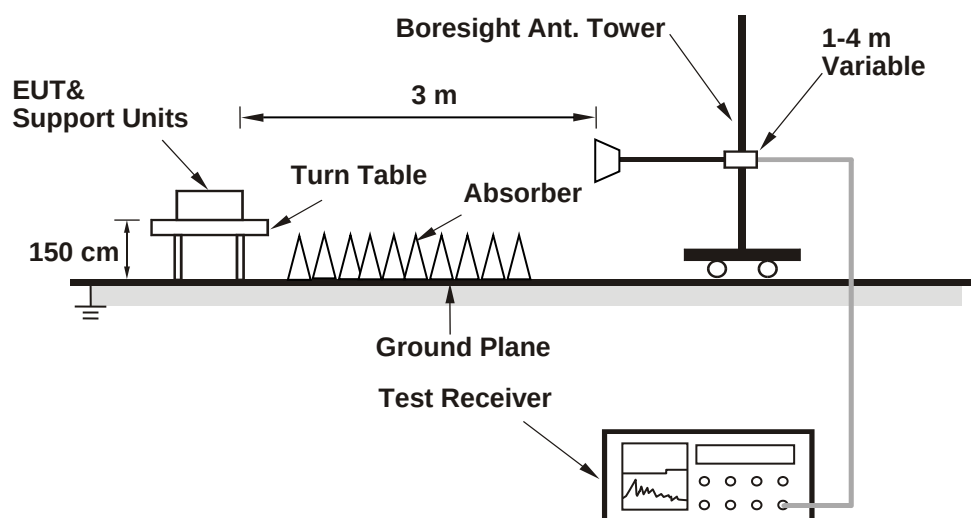
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top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

Notes:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.48	19.39
60	5300	19.53	19.40
64	5320	19.57	19.53
100	5500	19.45	19.51
116	5580	19.30	19.40
140	5700	19.48	19.55
144 (U-NII-2C)	5720	14.67	14.76
144 (U-NII-3)	5720	4.69	4.68

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.39	23.87	<	24
60	5300	19.40	23.87	<	24
64	5320	19.53	23.9	<	24
100	5500	19.45	23.88	<	24
116	5580	19.30	23.85	<	24
140	5700	19.48	23.89	<	24
144 (U-NII-2C)	5720	14.67	22.66	<	24

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

802.11ac (VHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.81	20.86
60	5300	20.81	21.03
64	5320	20.95	20.54
100	5500	20.65	20.81
116	5580	20.79	20.90
140	5700	20.76	20.82
144 (U-NII-2C)	5720	15.50	15.44
144 (U-NII-3)	5720	5.35	5.47

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	20.81	24.18	>	24
60	5300	20.81	24.18	>	24
64	5320	20.54	24.12	>	24
100	5500	20.65	24.14	>	24
116	5580	20.79	24.17	>	24
140	5700	20.76	24.17	>	24
144 (U-NII-2C)	5720	15.44	22.88	<	24

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

802.11ac (VHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.52	40.24
62	5310	40.41	40.09
102	5510	40.41	40.06
110	5550	40.27	40.22
134	5670	40.39	40.33
142 (U-NII-2C)	5710	35.31	35.09
142 (U-NII-3)	5710	5.28	5.08

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	40.24	27.04	>	24
62	5310	40.09	27.03	>	24
102	5510	40.06	27.02	>	24
110	5550	40.22	27.04	>	24
134	5670	40.33	27.05	>	24
142 (U-NII-2C)	5710	35.09	26.45	>	24

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

802.11ac (VHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.18	82.82
106	5530	83.26	82.65
122	5610	82.75	82.98
138 (U-NII-2C)	5690	76.37	76.31
138 (U-NII-3)	5690	6.54	6.42

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.82	30.18	>	24
106	5530	82.65	30.17	>	24
122	5610	82.75	30.17	>	24
138 (U-NII-2C)	5690	76.31	29.82	>	24

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

802.11ac (VHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.93	82.86
50 (U-NII-2A)	5250	84.19	83.87
114	5570	168.15	166.38

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	83.87	30.23	>	24
114	5570	166.38	33.21	>	24

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

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.77	21.40
60	5300	21.59	21.35
64	5320	21.50	21.35
100	5500	21.38	21.24
116	5580	21.71	21.37
140	5700	21.46	21.65
144 (U-NII-2C)	5720	15.82	15.65
144 (U-NII-3)	5720	5.71	5.67

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.40	24.3	>	24
60	5300	21.35	24.29	>	24
64	5320	21.35	24.29	>	24
100	5500	21.24	24.27	>	24
116	5580	21.37	24.29	>	24
140	5700	21.46	24.31	>	24
144 (U-NII-2C)	5720	15.65	22.94	<	24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.86	40.98
62	5310	40.87	40.86
102	5510	40.93	40.71
110	5550	41.29	41.16
134	5670	41.08	40.96
142 (U-NII-2C)	5710	35.50	35.49
142 (U-NII-3)	5710	5.60	5.53

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	40.86	27.11	>	24
62	5310	40.86	27.11	>	24
102	5510	40.71	27.09	>	24
110	5550	41.16	27.14	>	24
134	5670	40.96	27.12	>	24
142 (U-NII-2C)	5710	35.49	26.5	>	24

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

802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.48	82.95
106	5530	83.05	83.35
122	5610	83.19	83.46
138 (U-NII-2C)	5690	76.52	76.43
138 (U-NII-3)	5690	6.70	6.97

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.95	30.18	>	24
106	5530	83.05	30.19	>	24
122	5610	83.19	30.2	>	24
138 (U-NII-2C)	5690	76.43	29.83	>	24

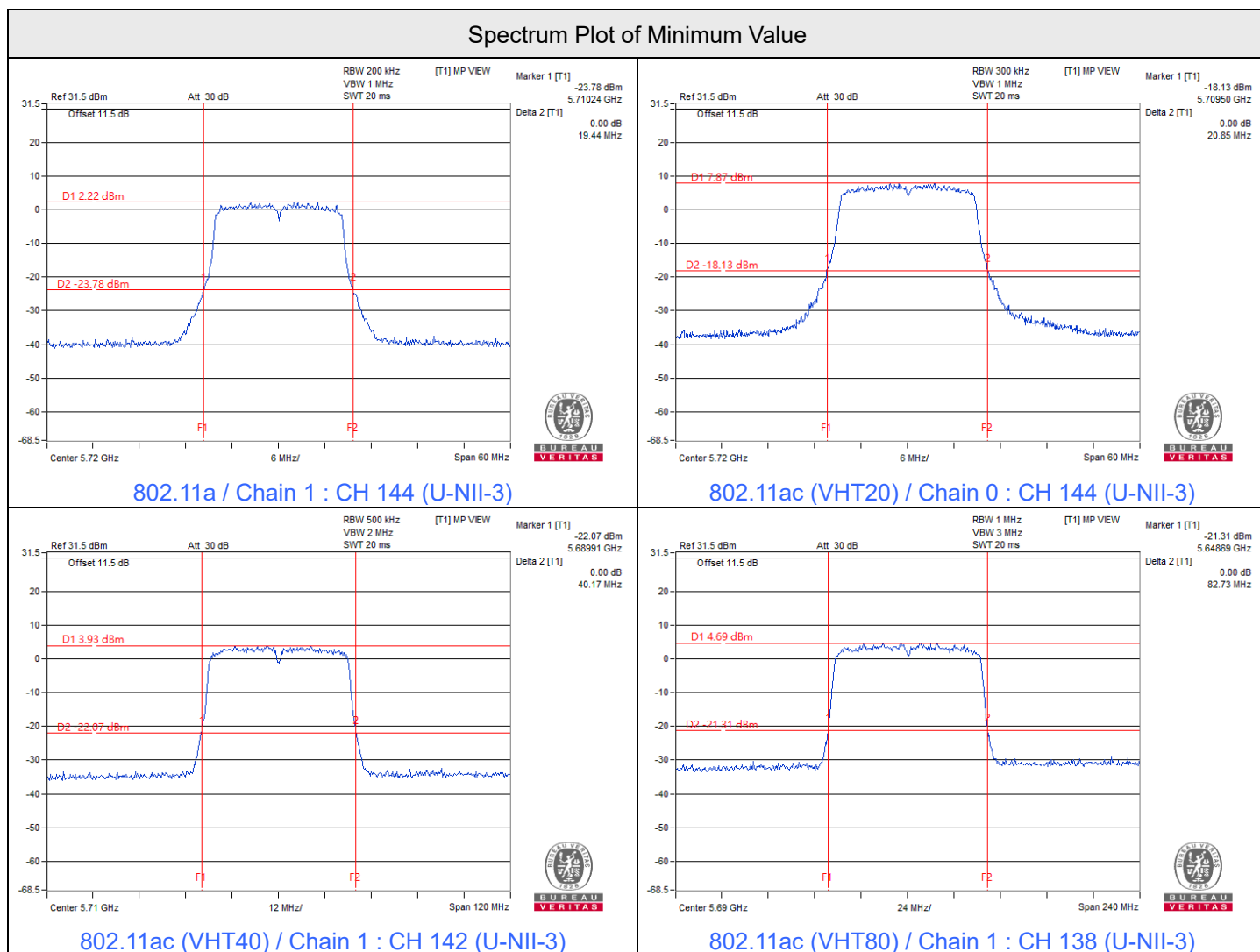
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE160)

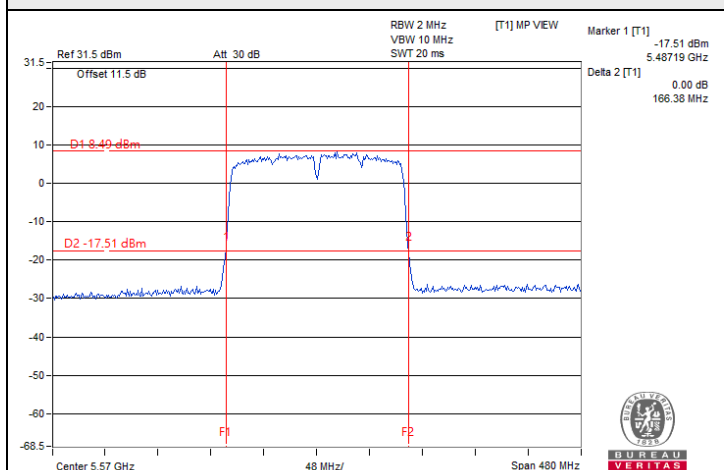
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.94	83.85
50 (U-NII-2A)	5250	83.37	83.64
114	5570	167.67	167.67

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	83.37	30.21	>	24
114	5570	167.67	33.24	>	24

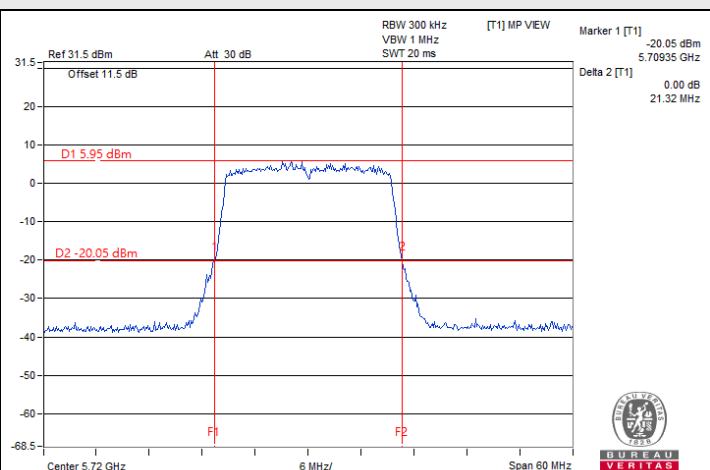
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.



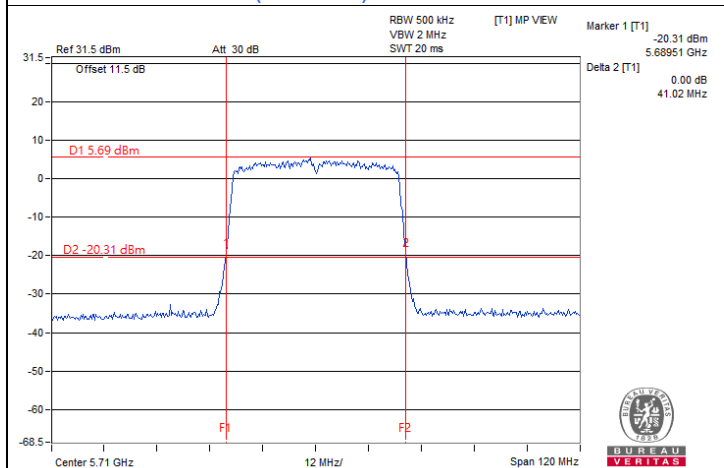
Spectrum Plot of Minimum Value



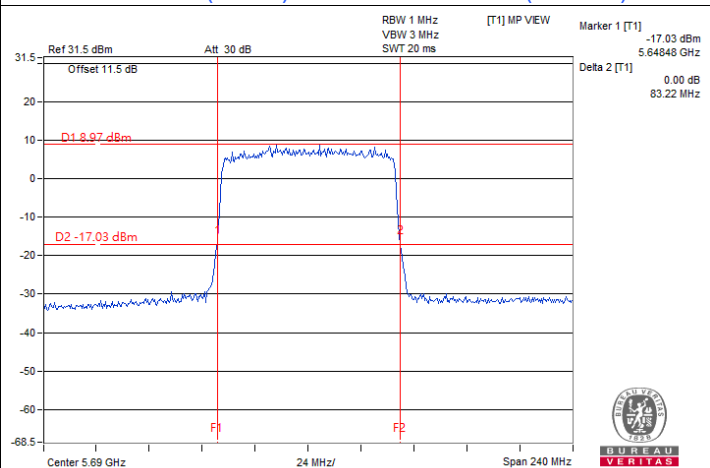
802.11ac (VHT160) / Chain 1 : CH 114



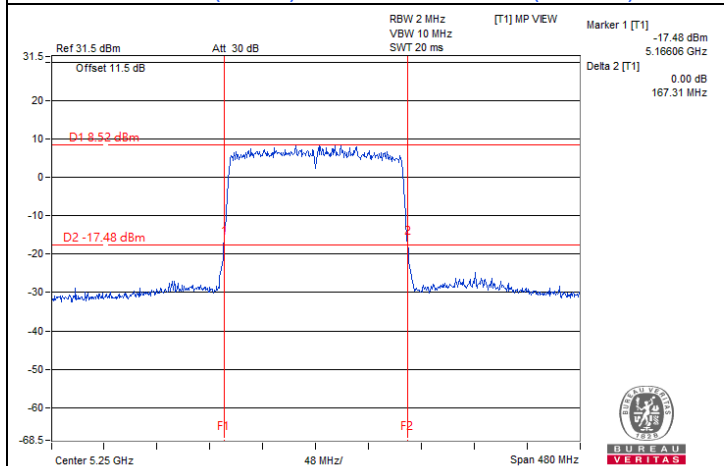
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)



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



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



802.11ax (HE160) / Chain 0 : 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, 76% RH	Tested By:	Dalen Dai
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.04	14.37	67.532	18.30	24	Pass
40	5200	15.97	14.32	66.576	18.23	24	Pass
48	5240	15.81	14.13	63.989	18.06	24	Pass
52	5260	15.86	14.17	64.669	18.11	23.87	Pass
60	5300	15.74	14.09	63.142	18.00	23.87	Pass
64	5320	15.72	14.11	63.088	18.00	23.9	Pass
100	5500	15.78	14.16	63.906	18.06	23.88	Pass
116	5580	16.03	14.02	65.321	18.15	23.85	Pass
140	5700	15.86	13.79	62.481	17.96	23.89	Pass
*144 (U-NII-2C)	5720	14.29	11.50	40.979	16.13	22.66	Pass
*144 (U-NII-3)	5720	8.06	5.04	9.589	9.82	30	Pass
149	5745	15.84	13.81	62.414	17.95	30	Pass
157	5785	15.70	13.92	61.814	17.91	30	Pass
165	5825	15.60	14.28	63.099	18.00	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.68	13.92	61.643	17.90	24	Pass
40	5200	15.46	14.02	60.391	17.81	24	Pass
48	5240	15.32	14.16	60.102	17.79	24	Pass
52	5260	15.43	13.80	58.902	17.70	24	Pass
60	5300	15.47	13.64	58.358	17.66	24	Pass
64	5320	15.59	13.88	60.659	17.83	24	Pass
100	5500	15.61	13.59	59.247	17.73	24	Pass
116	5580	15.69	13.76	60.836	17.84	24	Pass
140	5700	15.60	13.48	58.592	17.68	24	Pass
*144 (U-NII-2C)	5720	13.94	11.01	37.392	15.73	22.88	Pass
*144 (U-NII-3)	5720	7.95	5.54	9.818	9.92	30	Pass
149	5745	15.70	13.53	59.696	17.76	30	Pass
157	5785	15.57	13.69	59.446	17.74	30	Pass
165	5825	15.32	13.91	58.644	17.68	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.48	13.66	58.546	17.67	24	Pass
46	5230	15.50	13.61	58.443	17.67	24	Pass
54	5270	15.61	13.67	59.672	17.76	24	Pass
62	5310	15.47	13.68	58.572	17.68	24	Pass
102	5510	15.42	13.44	56.914	17.55	24	Pass
110	5550	15.56	13.86	60.297	17.80	24	Pass
134	5670	15.71	12.84	56.47	17.52	24	Pass
*142 (U-NII-2C)	5710	14.20	12.05	42.335	16.27	24	Pass
*142 (U-NII-3)	5710	3.34	1.55	3.587	5.55	30	Pass
151	5755	15.65	13.30	58.108	17.64	30	Pass
159	5795	15.71	13.81	61.283	17.87	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.51	13.43	57.592	17.60	24	Pass
58	5290	15.32	13.46	56.223	17.50	24	Pass
106	5530	15.36	13.65	57.53	17.60	24	Pass
122	5610	15.70	13.57	59.904	17.77	24	Pass
*138 (U-NII-2C)	5690	14.46	12.28	44.83	16.52	24	Pass
*138 (U-NII-3)	5690	-0.19	-2.13	1.5695	1.96	30	Pass
155	5775	15.54	13.61	58.771	17.69	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	12.48	9.67	26.969	14.31	24	Pass
*50 (U-NII-2A)	5250	12.24	10.83	28.855	14.60	24	Pass
114	5570	15.64	13.69	60.032	17.78	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.96	14.22	65.87	18.19	24	Pass
40	5200	15.69	14.27	63.798	18.05	24	Pass
48	5240	15.58	14.29	62.994	17.99	24	Pass
52	5260	15.55	13.94	60.666	17.83	24	Pass
60	5300	15.63	13.81	60.603	17.82	24	Pass
64	5320	15.84	14.08	63.957	18.06	24	Pass
100	5500	15.72	13.79	61.258	17.87	24	Pass
116	5580	15.89	13.88	63.249	18.01	24	Pass
140	5700	15.85	13.71	61.956	17.92	24	Pass
*144 (U-NII-2C)	5720	13.91	10.98	37.135	15.70	22.94	Pass
*144 (U-NII-3)	5720	8.36	5.70	10.57	10.24	30	Pass
149	5745	15.90	13.64	62.025	17.93	30	Pass
157	5785	15.71	13.94	62.013	17.92	30	Pass
165	5825	15.62	14.13	62.358	17.95	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.78	13.92	62.505	17.96	24	Pass
46	5230	15.70	13.79	61.087	17.86	24	Pass
54	5270	15.71	13.84	61.449	17.89	24	Pass
62	5310	15.76	13.85	61.936	17.92	24	Pass
102	5510	15.66	13.70	60.255	17.80	24	Pass
110	5550	15.76	14.00	62.789	17.98	24	Pass
134	5670	15.98	13.14	60.234	17.80	24	Pass
*142 (U-NII-2C)	5710	14.33	11.44	41.033	16.13	24	Pass
*142 (U-NII-3)	5710	4.23	1.56	4.081	6.11	30	Pass
151	5755	15.78	13.45	59.975	17.78	30	Pass
159	5795	15.83	13.92	62.943	17.99	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.69	13.62	60.082	17.79	24	Pass
58	5290	15.58	13.74	59.8	17.77	24	Pass
106	5530	15.47	13.94	60.011	17.78	24	Pass
122	5610	15.83	13.72	61.833	17.91	24	Pass
*138 (U-NII-2C)	5690	14.63	11.80	44.176	16.45	24	Pass
*138 (U-NII-3)	5690	0.88	-1.85	1.8777	2.74	30	Pass
155	5775	15.75	13.84	61.794	17.91	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

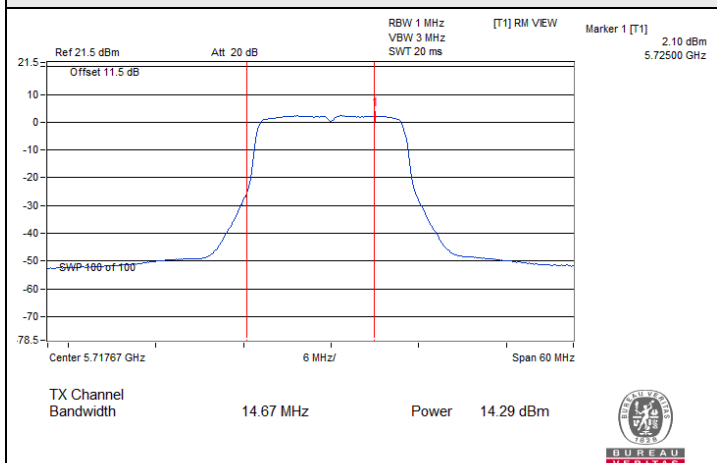
802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	12.80	10.77	30.994	14.91	24	Pass
*50 (U-NII-2A)	5250	12.53	10.51	29.152	14.65	24	Pass
114	5570	15.90	13.90	63.452	18.02	24	Pass

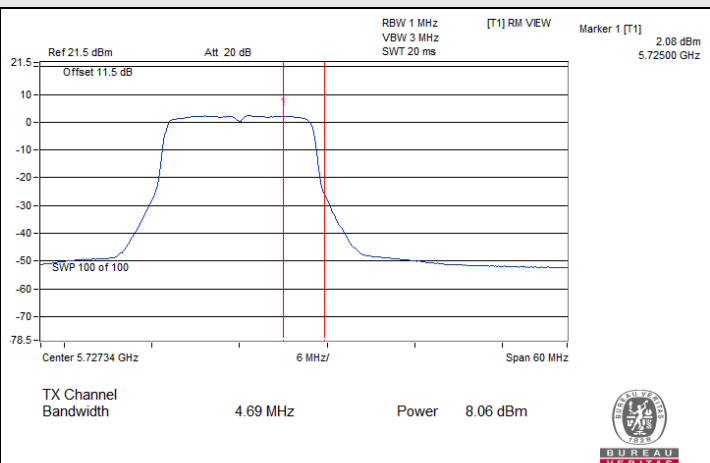
Notes:

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 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.89 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

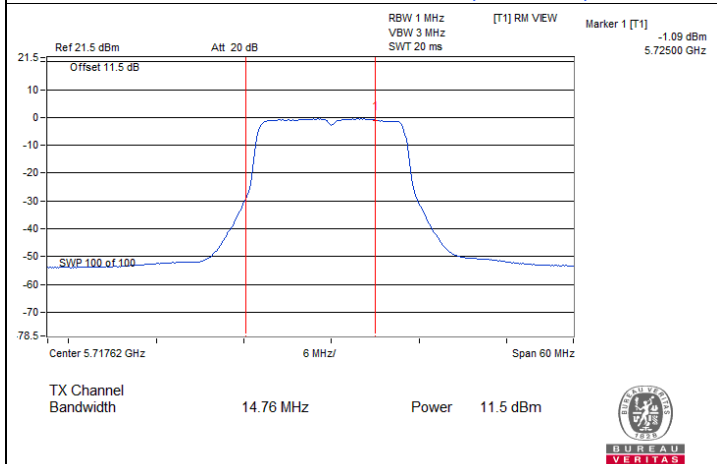
Spectrum Plot for channel straddling



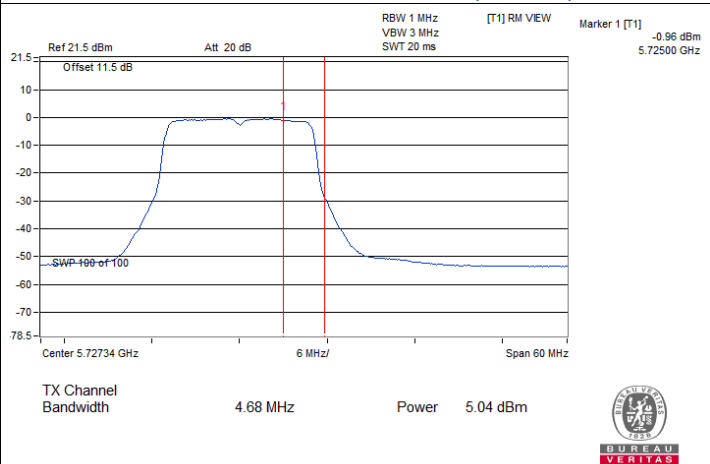
802.11a / Chain 0 : CH 144 (U-NII-2C)



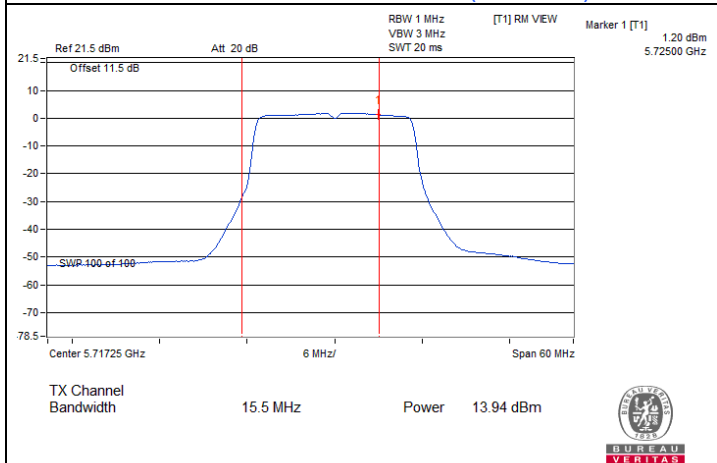
802.11a / Chain 0 : CH 144 (U-NII-3)



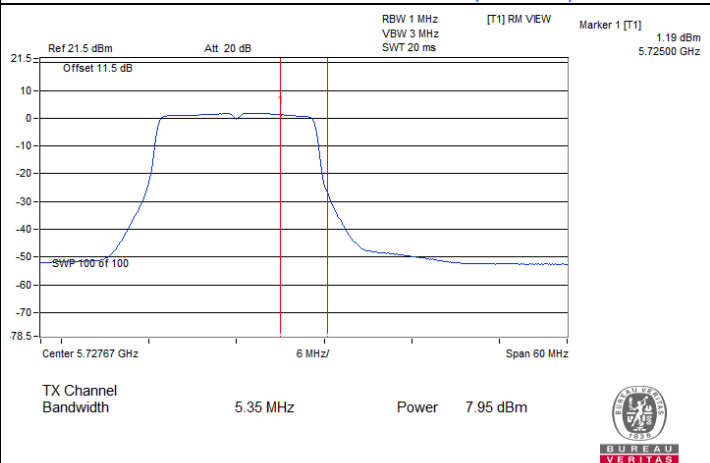
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

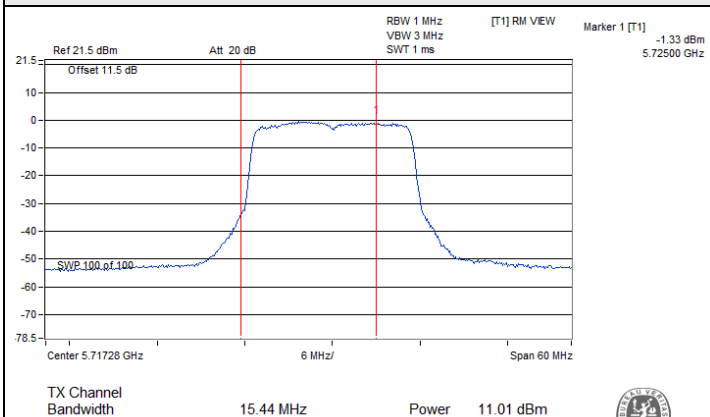


802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-2C)

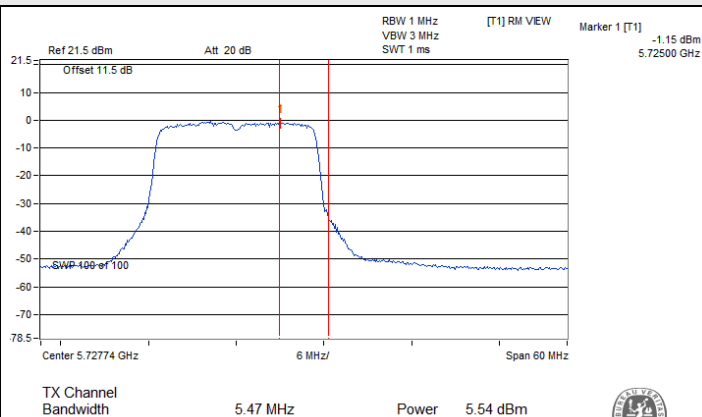


802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-3)

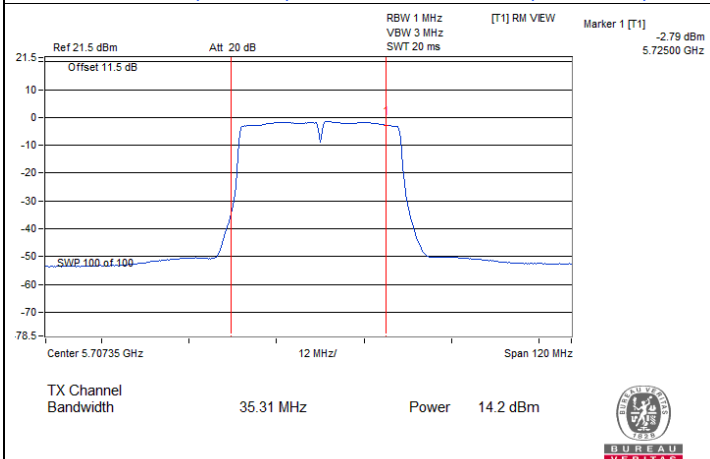
Spectrum Plot for channel straddling



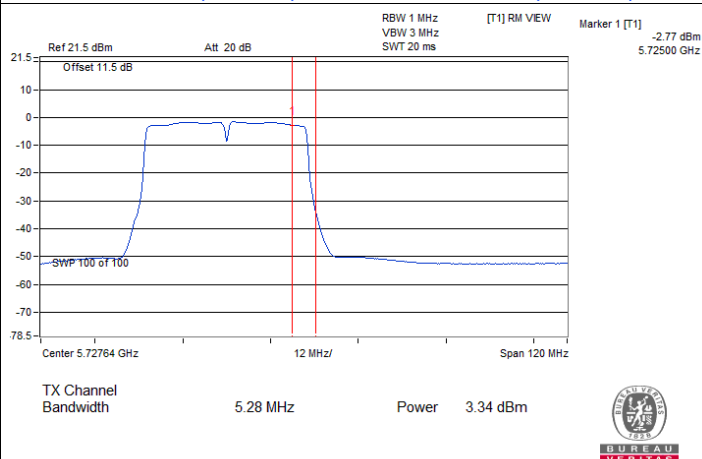
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-2C)



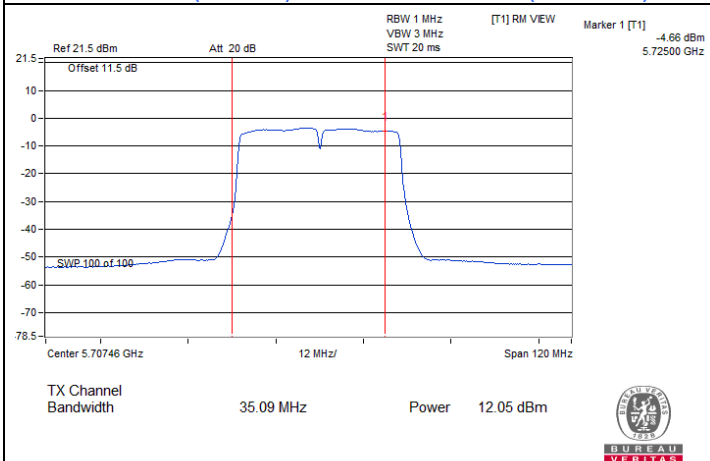
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-3)



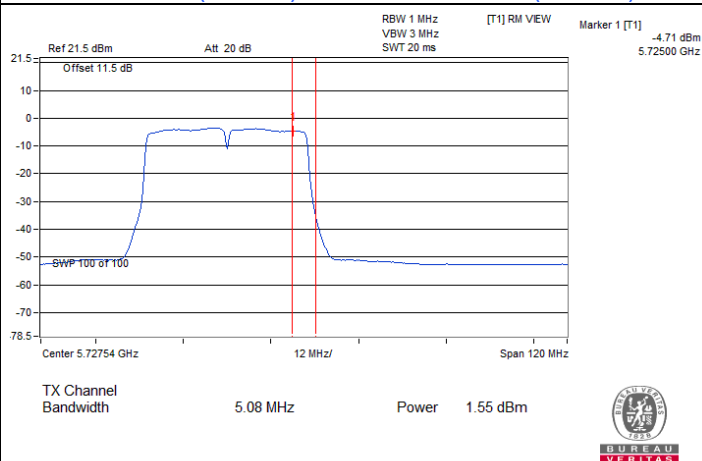
802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-2C)



802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-3)

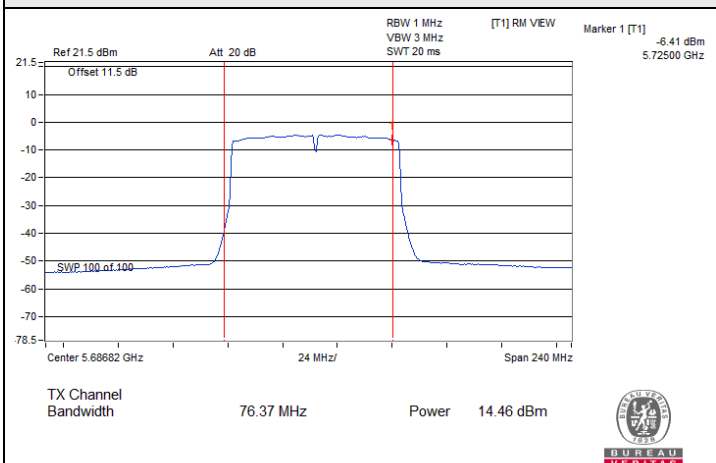


802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-2C)

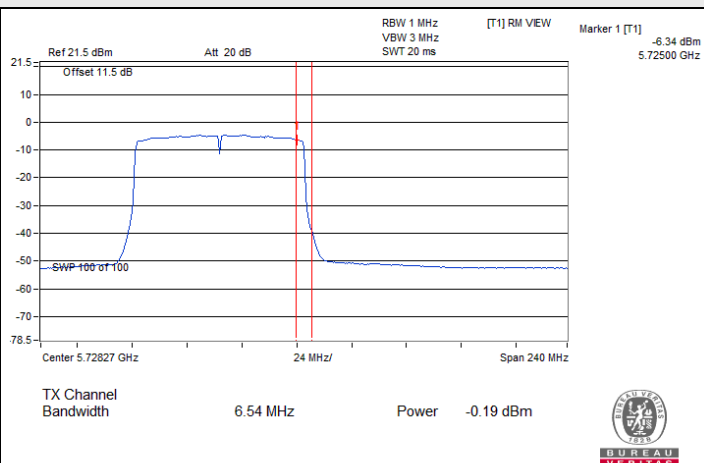


802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-3)

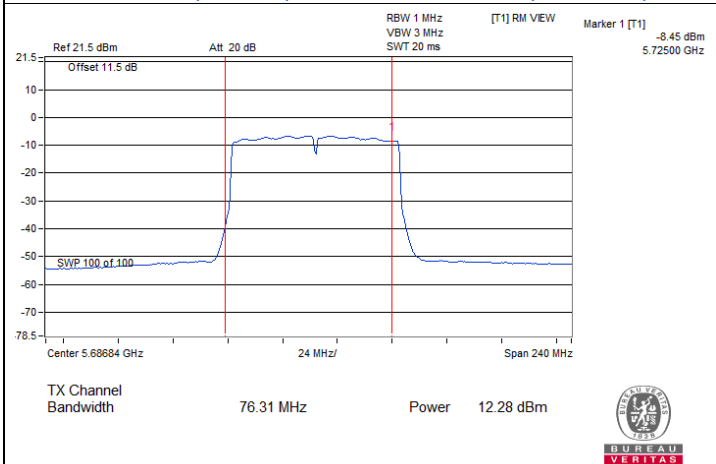
Spectrum Plot for channel straddling



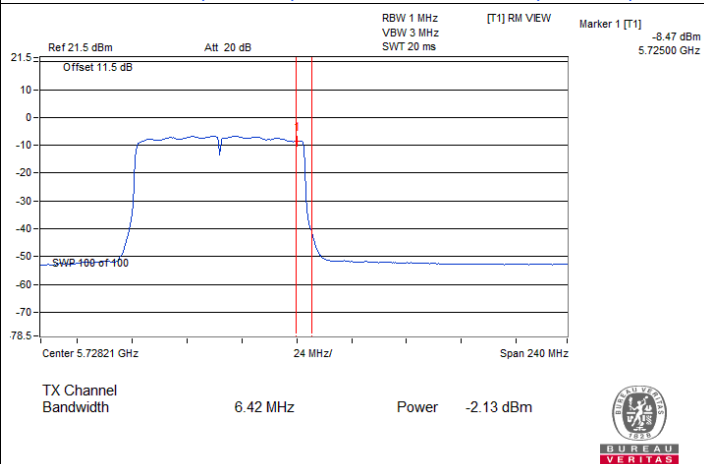
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-2C)



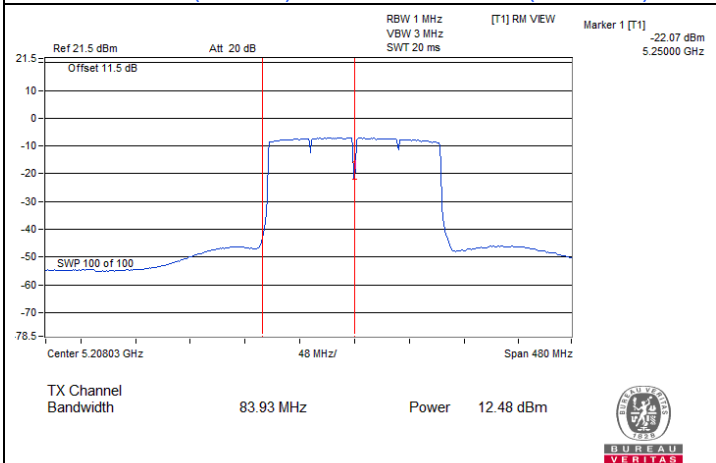
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-3)



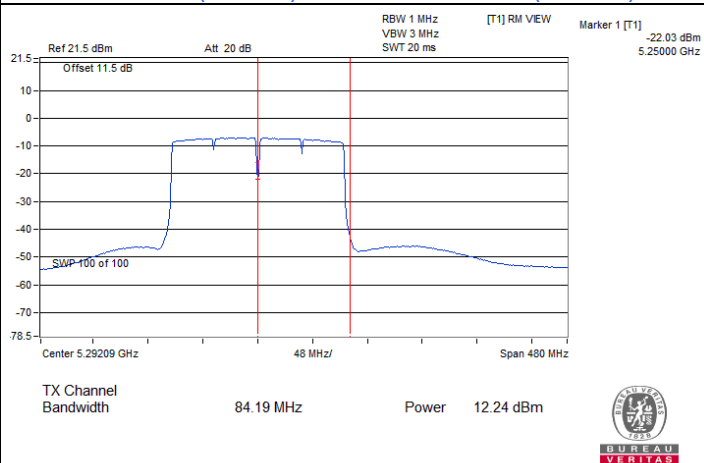
802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-2C)



802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-3)

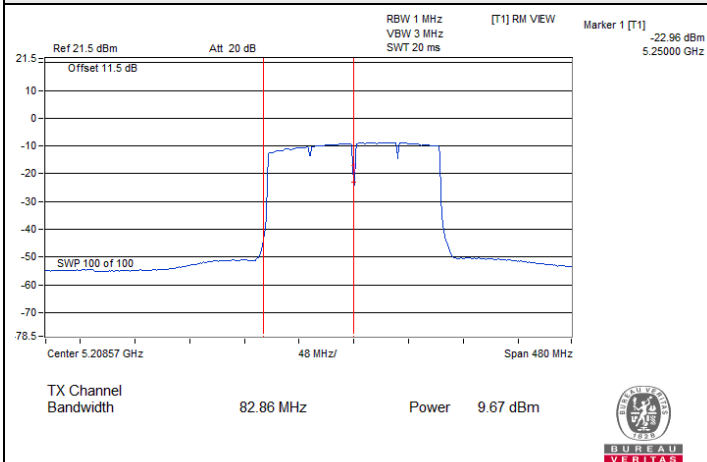


802.11ac (VHT160) / Chain 0 : CH 50 (U-NII-1)

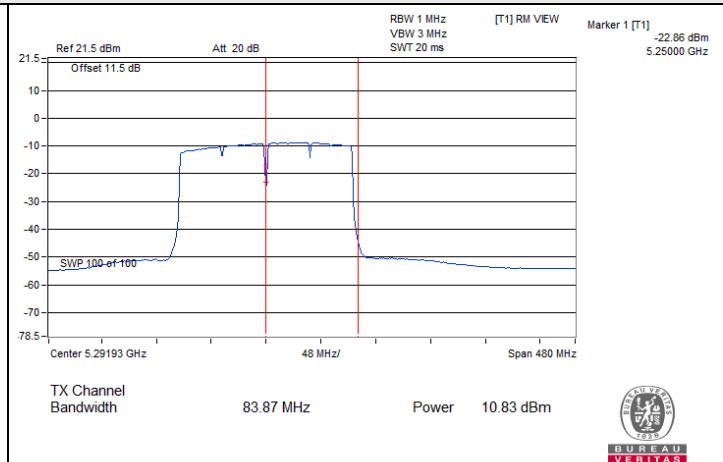


802.11ac (VHT160) / Chain 0 : CH 50 (U-NII-2A)

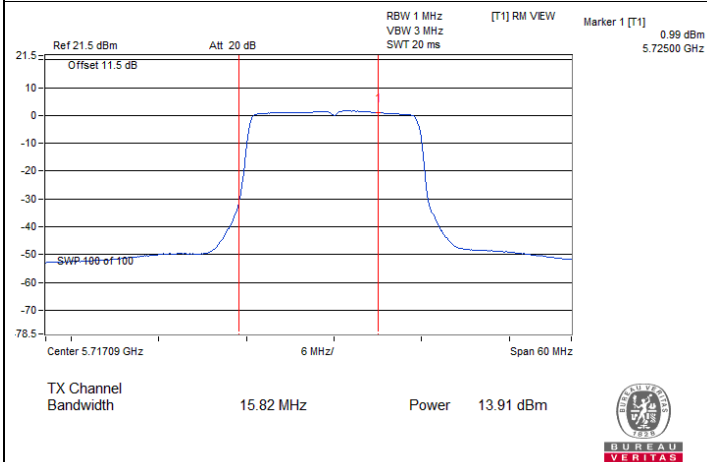
Spectrum Plot for channel straddling



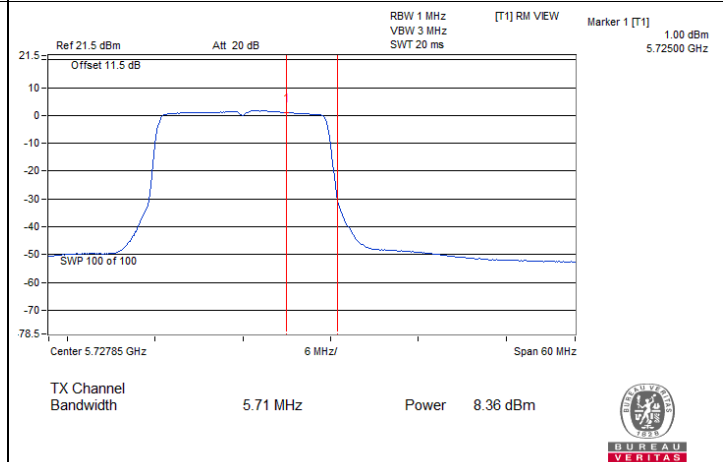
802.11ac (VHT160) / Chain 1 : CH 50 (U-NII-1)



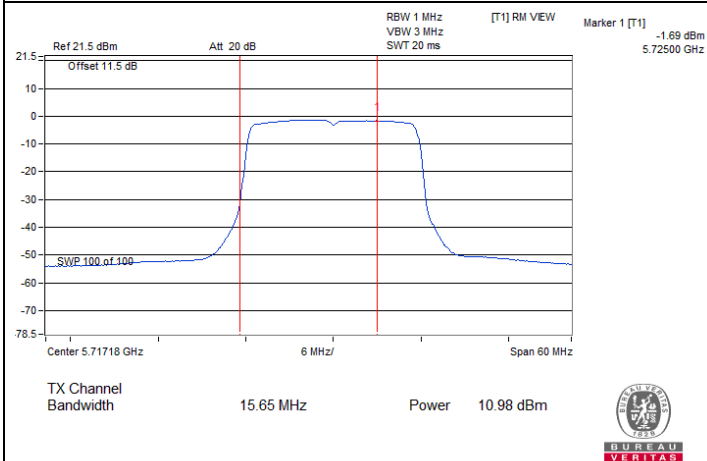
802.11ac (VHT160) / Chain 1 : CH 50 (U-NII-2A)



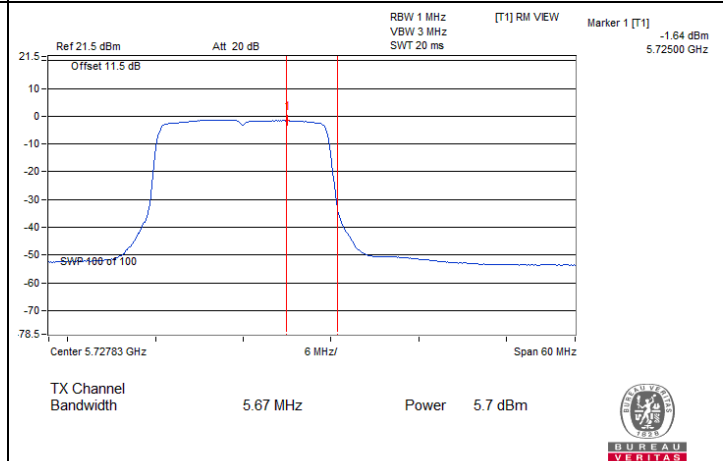
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)



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

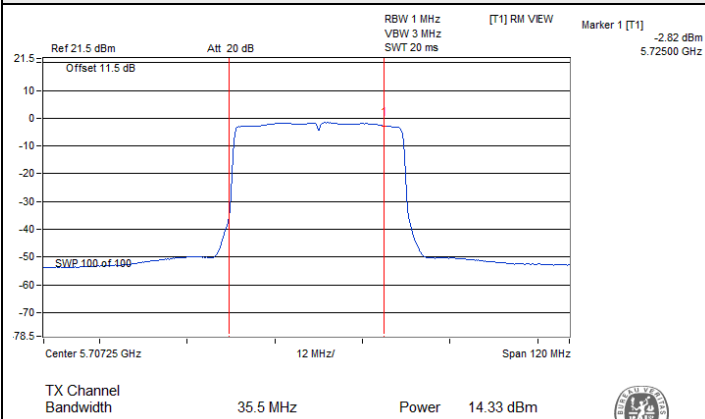


802.11ax (HE20) / Chain 1 : CH 144 (U-NII-2C)

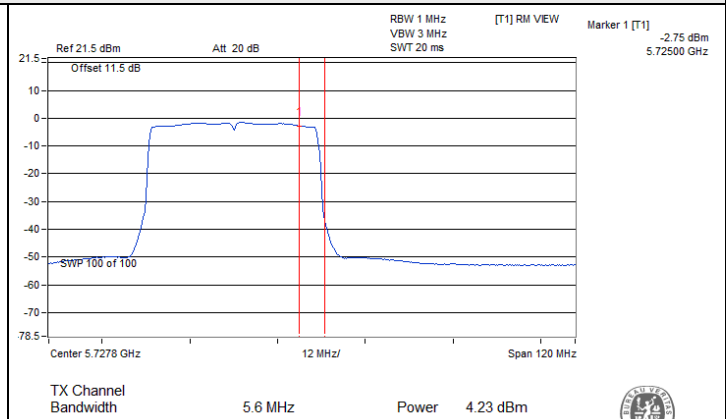


802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)

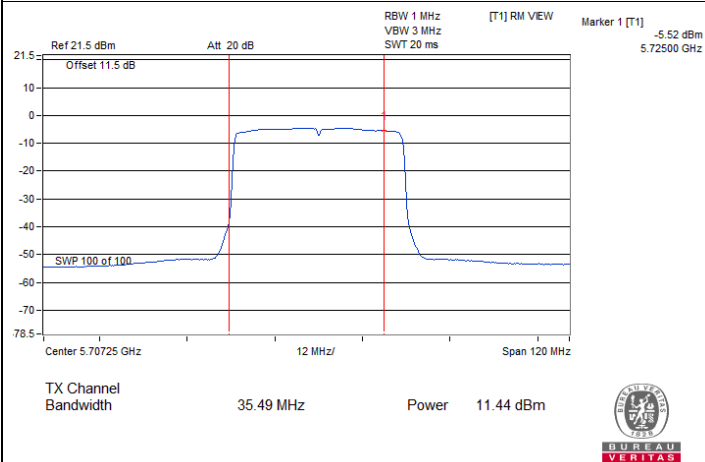
Spectrum Plot for channel straddling



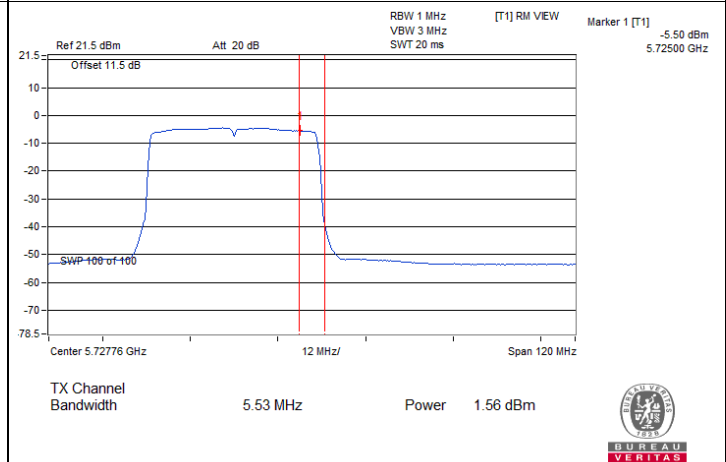
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)



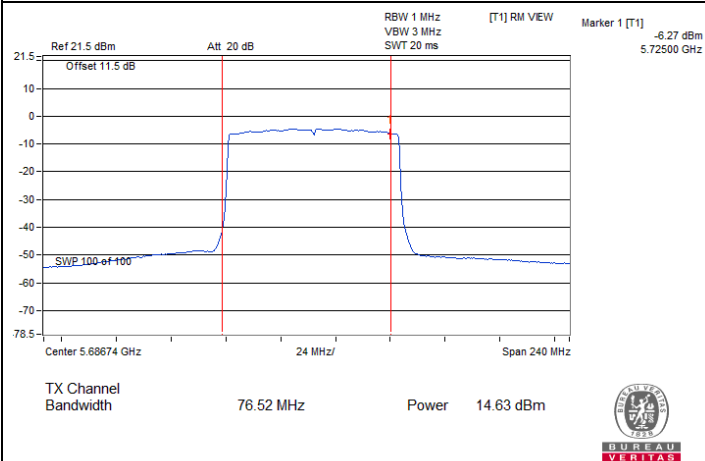
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-3)



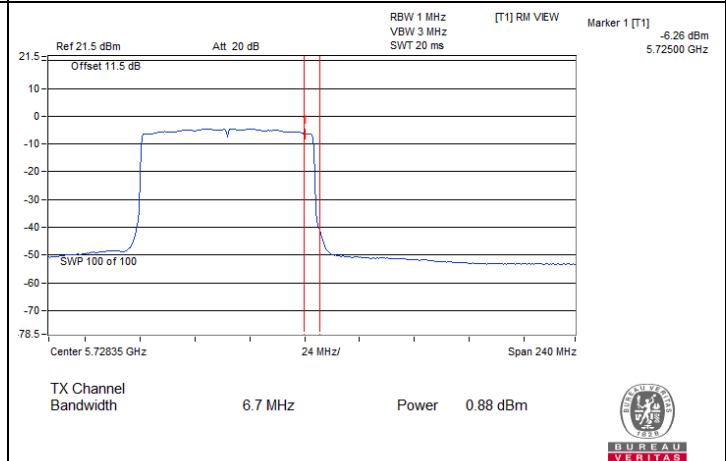
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)



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

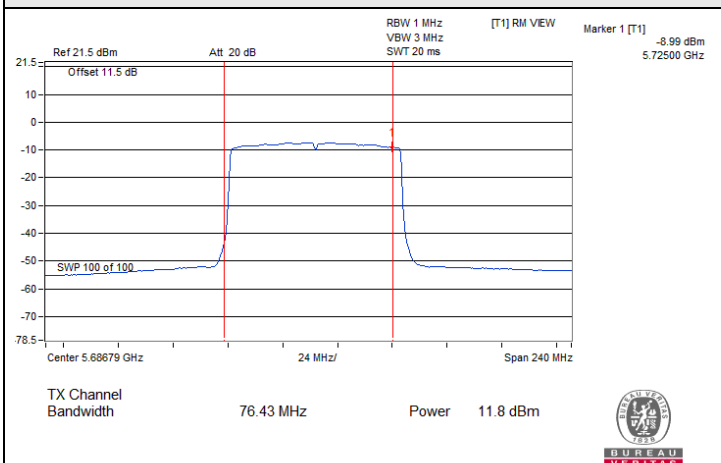


802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)

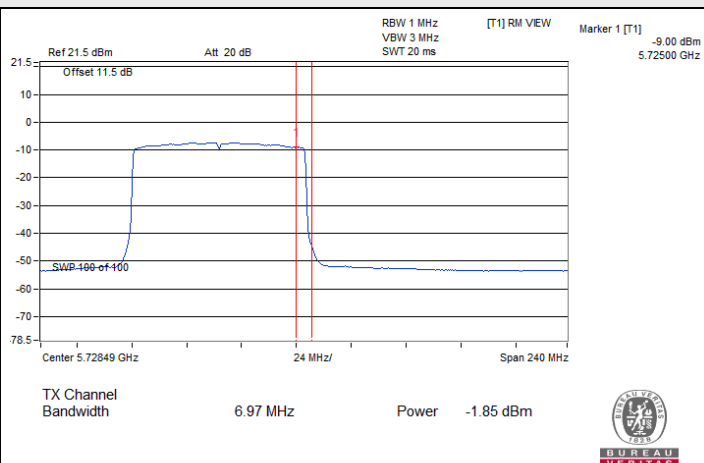


802.11ax (HE80) / Chain 0 : CH 138 (U-NII-3)

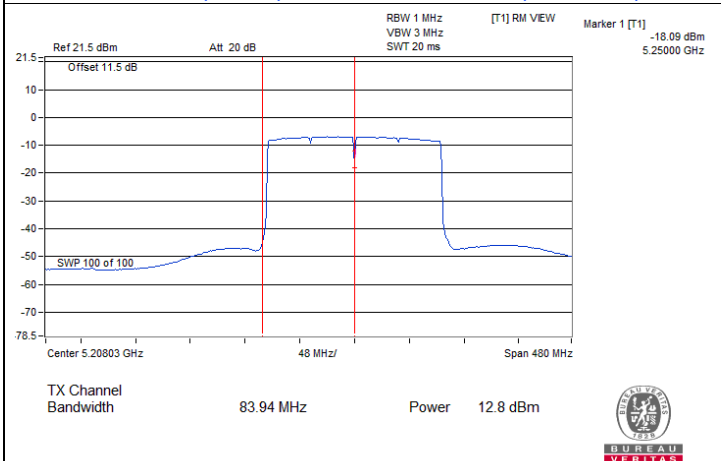
Spectrum Plot for channel straddling



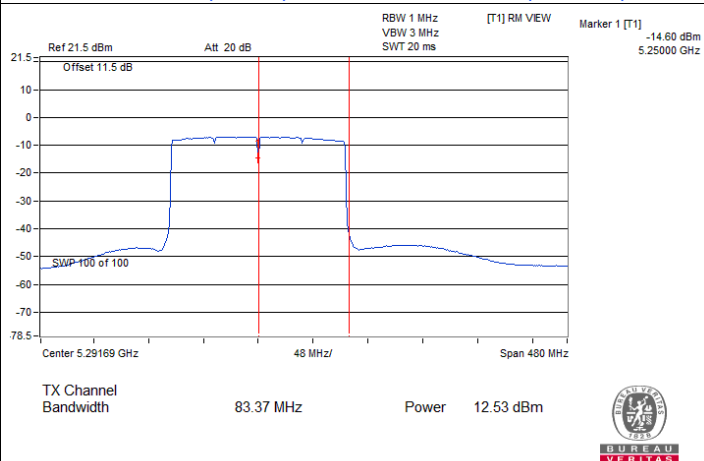
802.11ax (HE80) / Chain 1 : CH 138 (U-NII-2C)



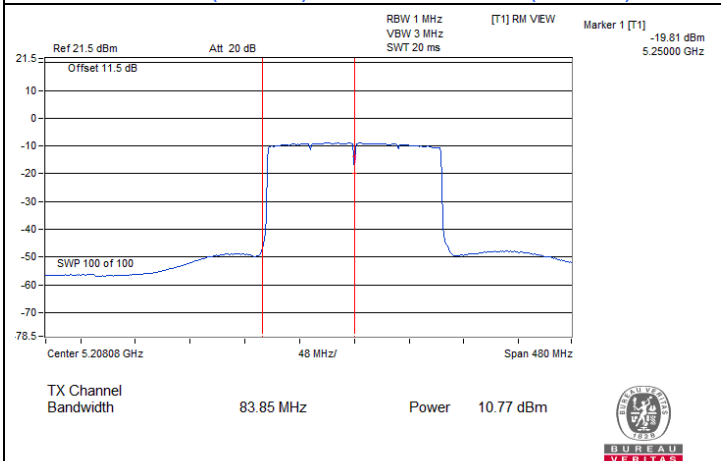
802.11ax (HE80) / Chain 1 : CH 138 (U-NII-3)



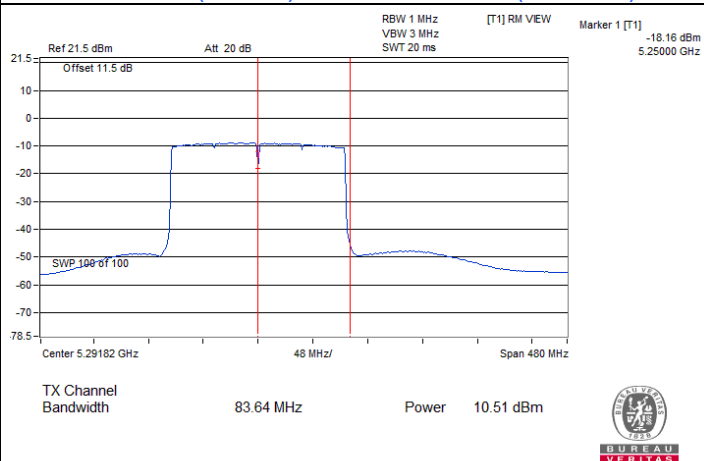
802.11ax (HE160) / Chain 0 : CH 50 (U-NII-1)



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



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



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

7.3 Power Spectral Density

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

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	2.11	-0.01	4.19	10.11	Pass
40	5200	1.98	-0.07	4.09	10.11	Pass
48	5240	1.62	-0.77	3.60	10.11	Pass
52	5260	1.64	-0.73	3.63	10.11	Pass
60	5300	1.35	-0.83	3.41	10.11	Pass
64	5320	1.35	-0.74	3.44	10.11	Pass
100	5500	1.70	-0.45	3.77	10.11	Pass
116	5580	2.48	0.09	4.46	10.11	Pass
140	5700	2.32	-0.80	4.04	10.11	Pass
144 (U-NII-2C)	5720	2.33	-0.89	4.02	10.11	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 6.89 dBi > 6dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	1.08	-2.00	2.82	10.11	Pass
40	5200	0.94	-2.19	2.66	10.11	Pass
48	5240	0.70	-3.25	2.17	10.11	Pass
52	5260	0.66	-3.21	2.15	10.11	Pass
60	5300	0.43	-3.20	1.99	10.11	Pass
64	5320	0.47	-3.02	2.08	10.11	Pass
100	5500	0.91	-2.33	2.60	10.11	Pass
116	5580	1.75	-1.24	3.52	10.11	Pass
140	5700	1.65	-1.64	3.32	10.11	Pass
144 (U-NII-2C)	5720	1.63	-1.77	3.26	10.11	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 6.89 dBi > 6dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-2.11	-5.46	-0.46	10.11	Pass
46	5230	-2.34	-6.27	-0.86	10.11	Pass
54	5270	-2.49	-6.40	-1.01	10.11	Pass
62	5310	-2.72	-6.35	-1.16	10.11	Pass
102	5510	-2.25	-5.53	-0.58	10.11	Pass
110	5550	-2.17	-4.70	-0.24	10.11	Pass
134	5670	-1.58	-4.78	0.12	10.11	Pass
142 (U-NII-2C)	5710	-1.55	-4.85	0.12	10.11	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 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-5.30	-9.09	-3.78	10.11	Pass
58	5290	-5.58	-8.94	-3.93	10.11	Pass
106	5530	-5.15	-7.59	-3.19	10.11	Pass
122	5610	-4.72	-7.19	-2.77	10.11	Pass
138 (U-NII-2C)	5690	-4.65	-7.51	-2.84	10.11	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 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-8.49	-12.35	-6.99	10.11	Pass
50 (U-NII-2A)	5250	-8.56	-12.11	-6.97	10.11	Pass
114	5570	-7.46	-10.03	-5.55	10.11	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 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.89-6) = 10.11$ dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-5.92	-9.36	-4.3	-2.08	29.11	Pass
149	5745	-5.82	-8.83	-4.06	-1.84	29.11	Pass
157	5785	-6.29	-8.69	-4.32	-2.10	29.11	Pass
165	5825	-6.64	-8.97	-4.64	-2.42	29.11	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.89-6) = 29.11$ dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-8.08	-10.67	-6.17	-3.95	29.11	Pass
149	5745	-7.58	-10.50	-5.79	-3.57	29.11	Pass
157	5785	-8.01	-10.32	-6	-3.78	29.11	Pass
165	5825	-8.57	-10.43	-6.39	-4.17	29.11	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.89 - 6) = 29.11$ dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-11.92	-14.71	-10.08	-7.86	29.11	Pass
151	5755	-10.91	-13.53	-9.02	-6.80	29.11	Pass
159	5795	-11.40	-13.41	-9.28	-7.06	29.11	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.89 - 6) = 29.11$ dBm/500kHz.

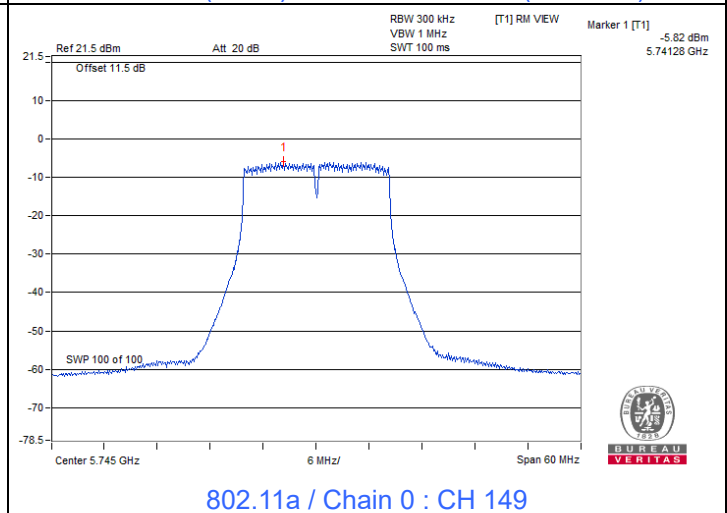
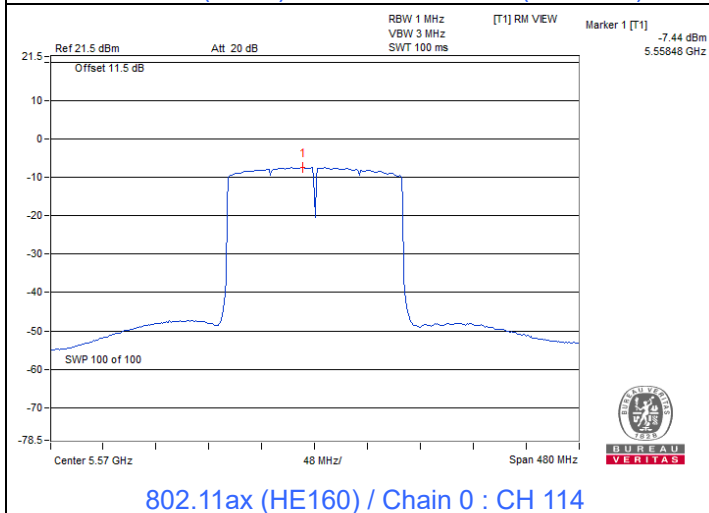
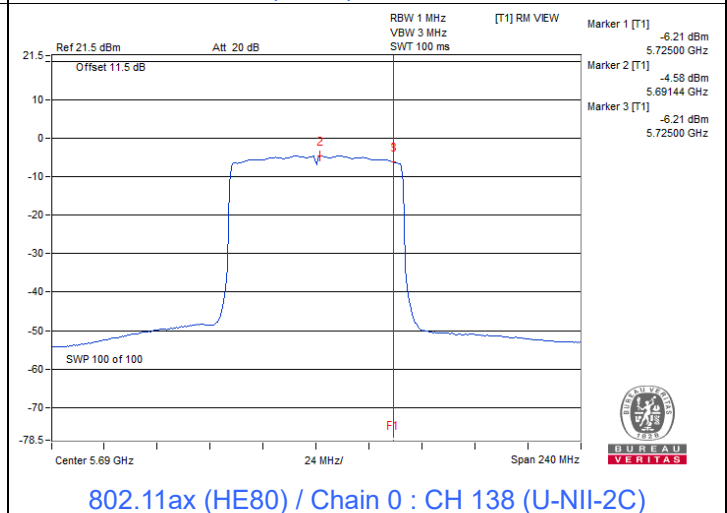
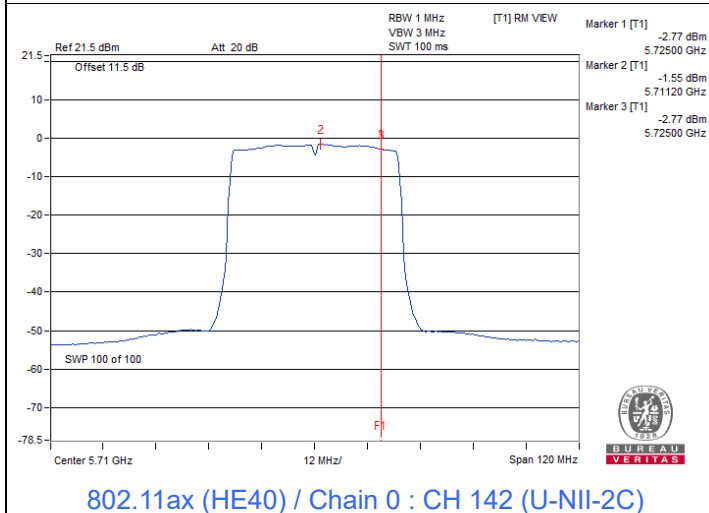
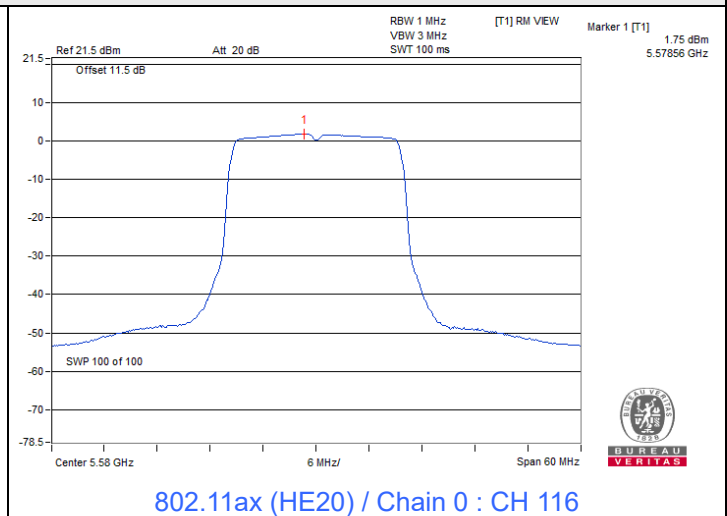
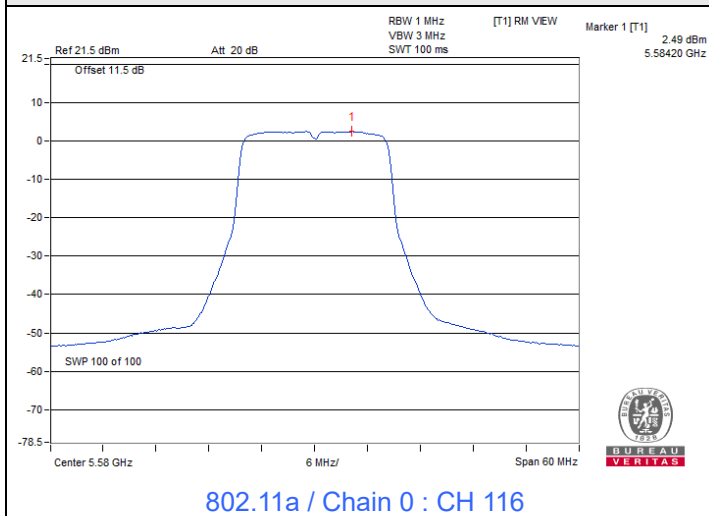
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-15.45	-18.17	-13.59	-11.37	29.11	Pass
155	5775	-14.13	-15.86	-11.9	-9.68	29.11	Pass

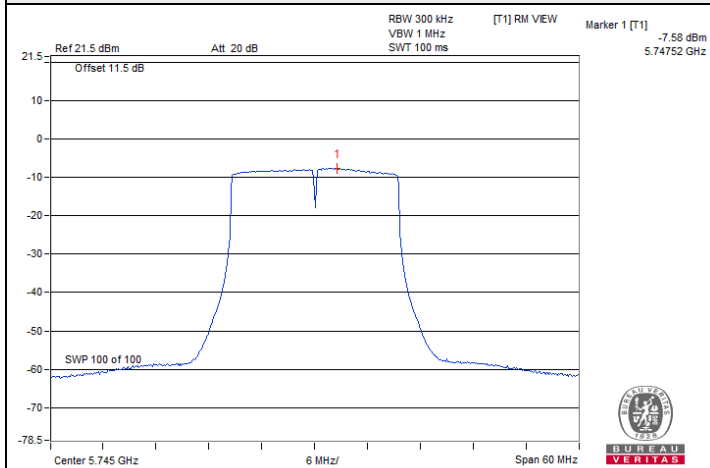
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.89 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.89 - 6) = 29.11$ dBm/500kHz.

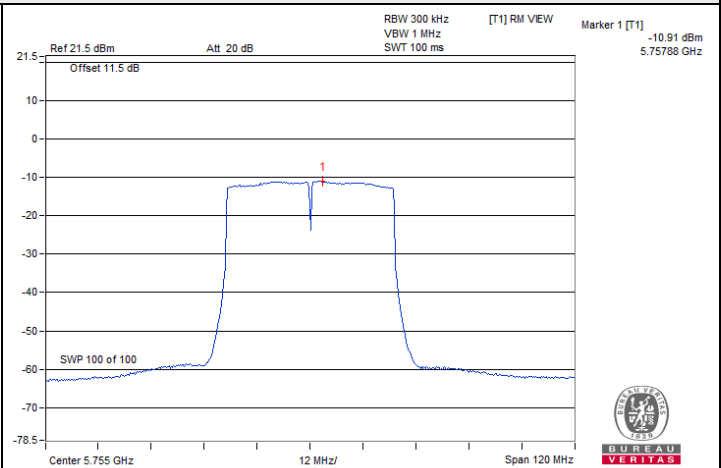
Spectrum Plot of Maximum Value



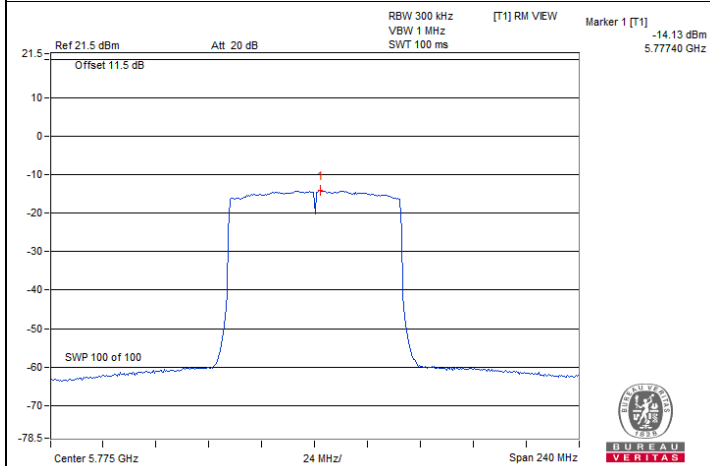
Spectrum Plot of Maximum Value



802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

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

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.19	3.20	0.5	Pass
149	5745	16.40	16.42	0.5	Pass
157	5785	16.41	16.43	0.5	Pass
165	5825	16.40	16.41	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.53	4.48	0.5	Pass
149	5745	18.98	19.02	0.5	Pass
157	5785	19.05	19.00	0.5	Pass
165	5825	19.07	18.95	0.5	Pass

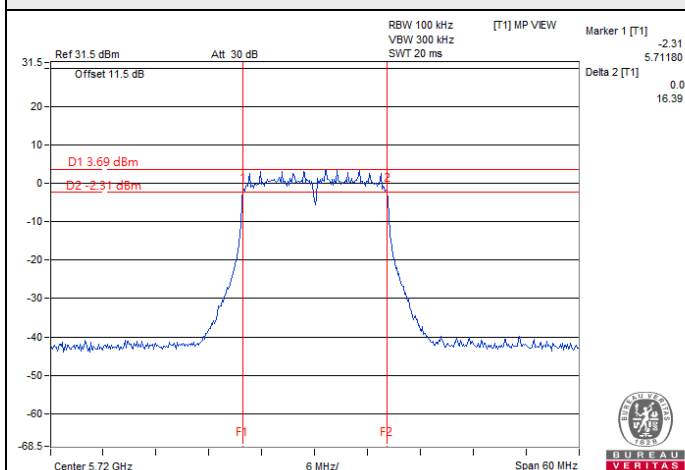
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	4.04	4.02	0.5	Pass
151	5755	38.12	37.90	0.5	Pass
159	5795	38.11	37.92	0.5	Pass

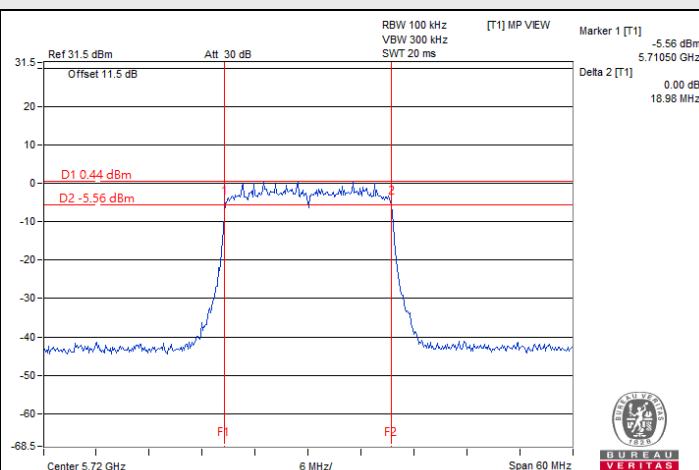
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.94	3.89	0.5	Pass
155	5775	77.90	77.87	0.5	Pass

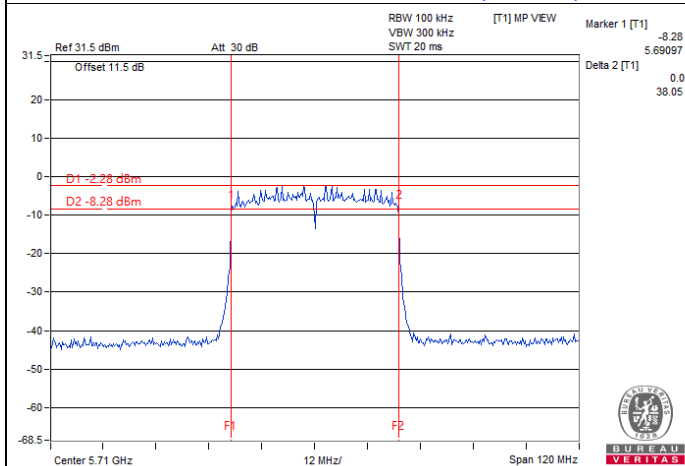
Spectrum Plot of Minimum Value



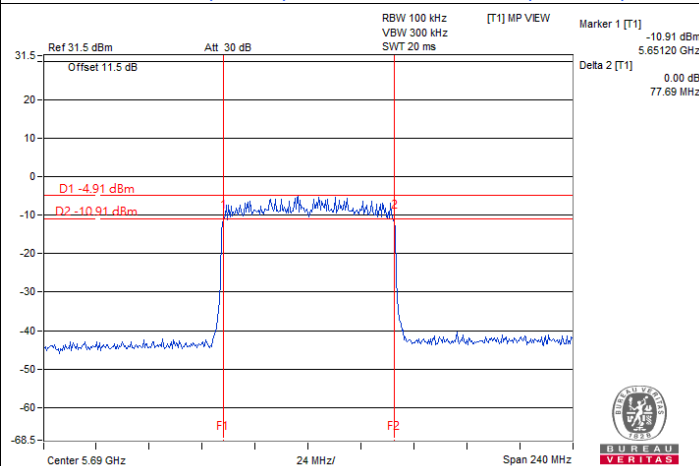
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.44	16.44
40	5200	16.56	16.44
48	5240	16.44	16.44
52	5260	16.56	16.44
60	5300	16.44	16.44
64	5320	16.56	16.44
100	5500	16.56	16.44
116	5580	16.44	16.44
140	5700	16.44	16.44
144 (U-NII-2C)	5720	13.28	13.28
144 (U-NII-3)	5720	3.16	3.16
149	5745	16.56	16.44
157	5785	16.44	16.44
165	5825	16.44	16.44

802.11ax (HE20)

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

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	38.16	37.92
54	5270	37.92	37.92
62	5310	37.92	37.92
102	5510	37.92	38.16
110	5550	38.16	38.16
134	5670	37.92	38.16
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	3.96	3.96
151	5755	38.16	37.92
159	5795	38.16	37.92

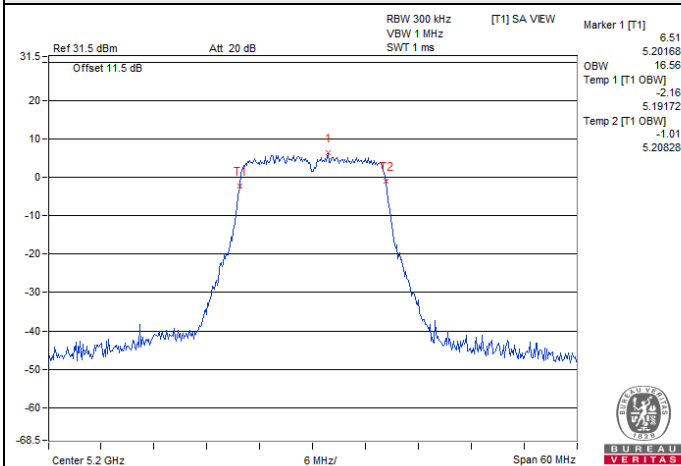
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.76
58	5290	77.76	77.28
106	5530	77.76	77.76
122	5610	77.28	77.28
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	3.88	3.40
155	5775	77.28	77.28

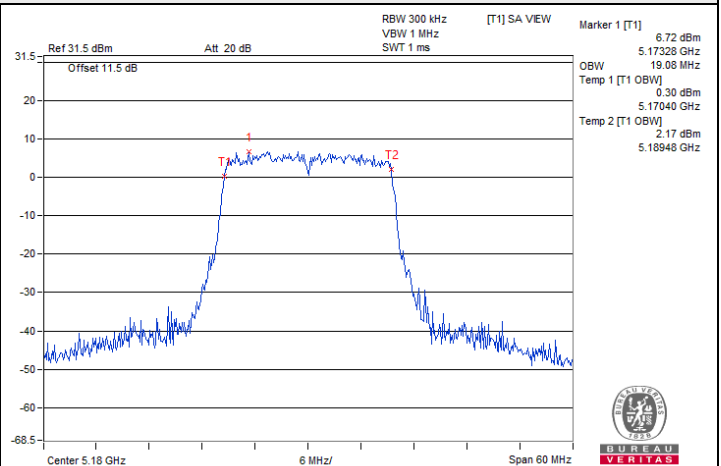
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	78.61	78.61
50 (U-NII-2A)	5250	78.61	78.61
114	5570	156.48	156.48

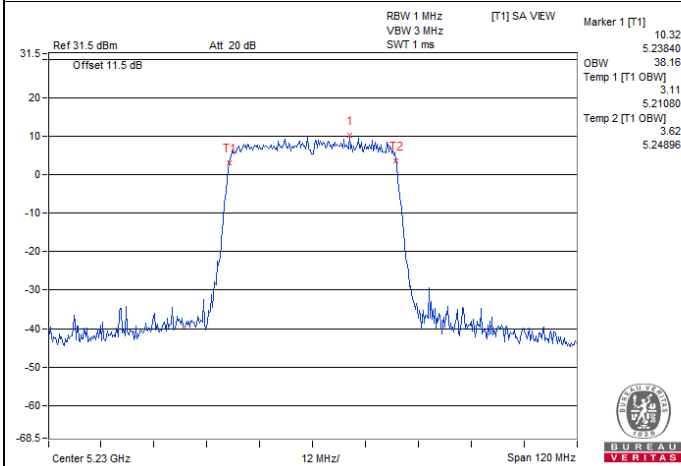
Spectrum Plot of Maximum Value



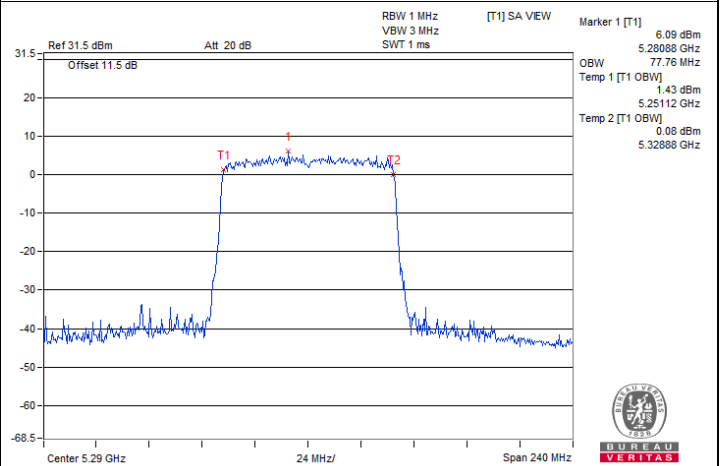
802.11a / Chain 0 : CH 40



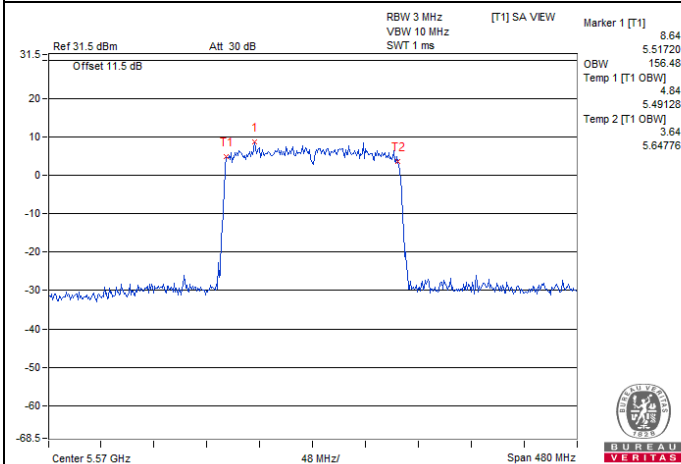
802.11ax (HE20) / Chain 0 : CH 36



802.11ax (HE40) / Chain 0 : CH 46

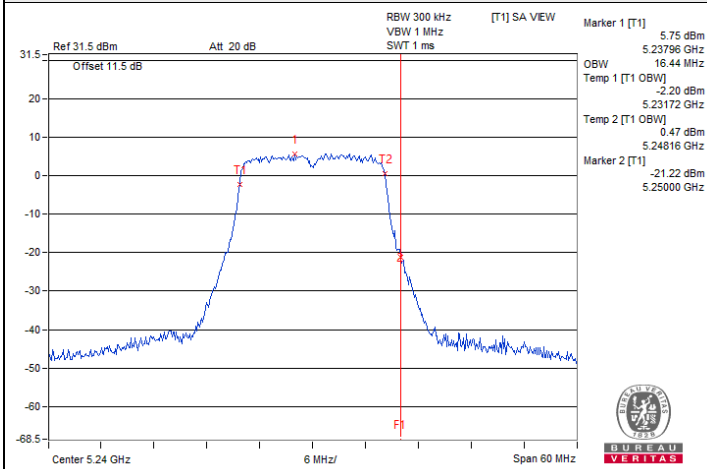


802.11ax (HE80) / Chain 0 : CH 58

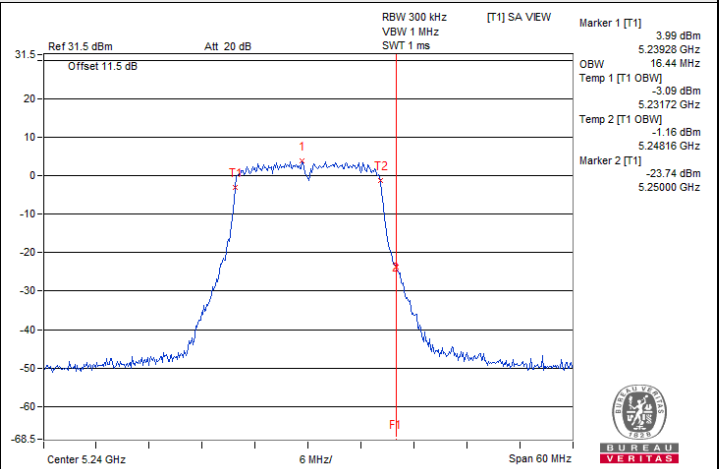


802.11ax (HE160) / Chain 0 : CH 114

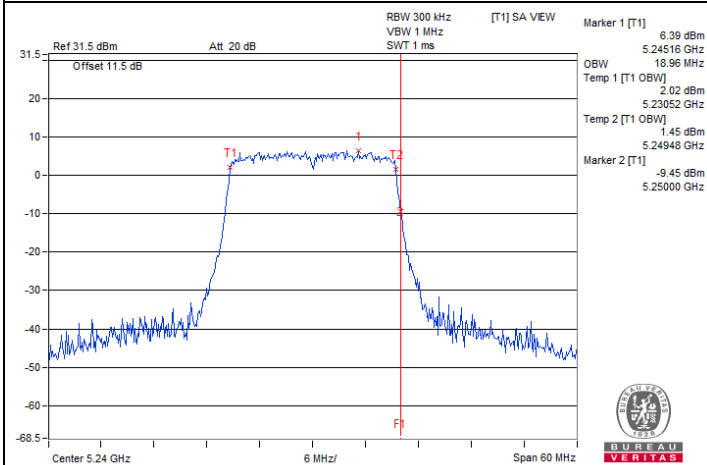
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



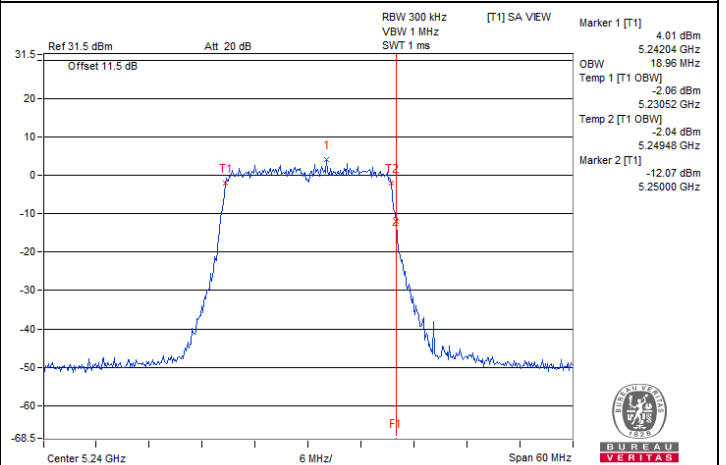
802.11a / Chain 0 : CH 48



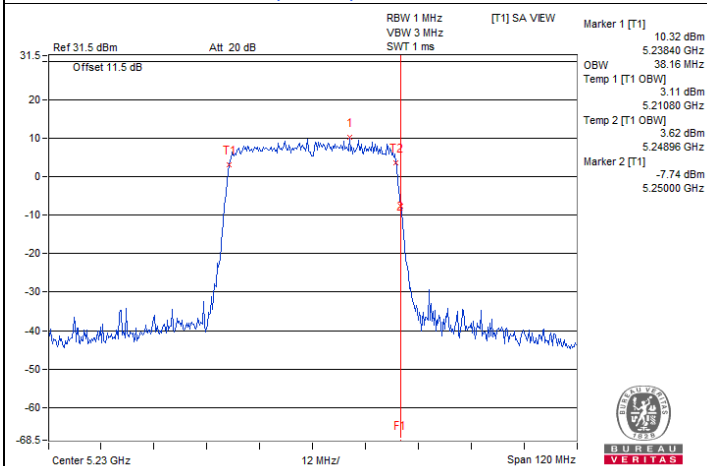
802.11a / Chain 1 : CH 48



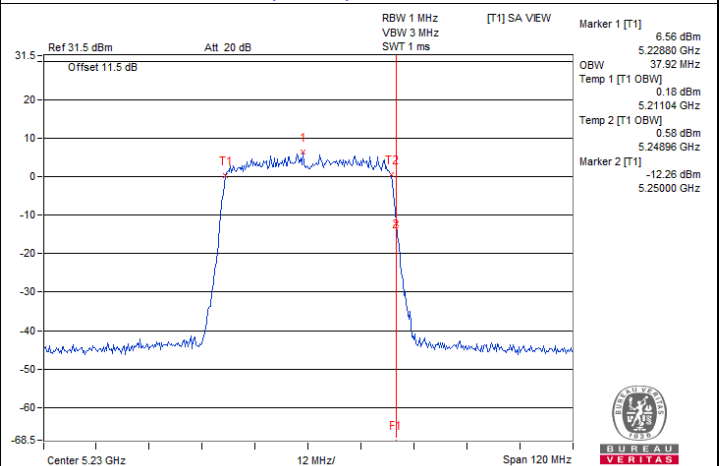
802.11ax (HE20) / Chain 0 : CH 48



802.11ax (HE20) / Chain 1 : CH 48

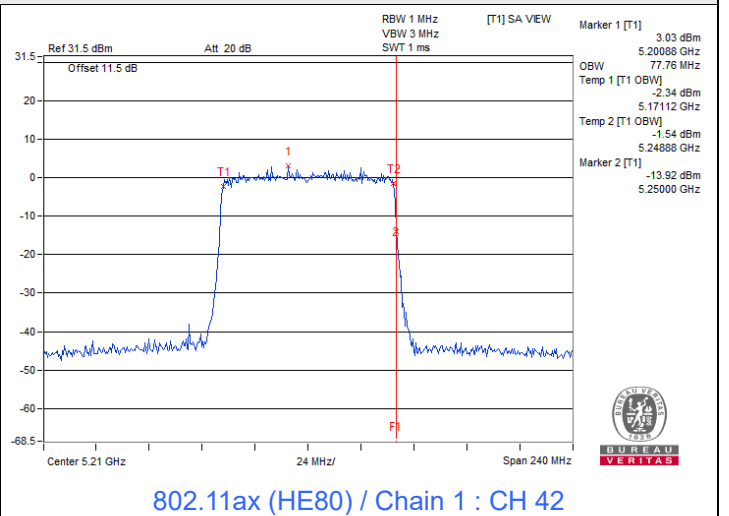
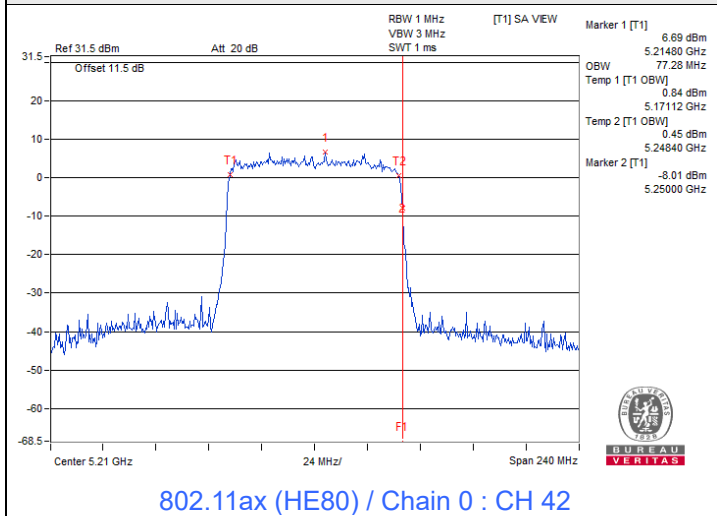


802.11ax (HE40) / Chain 0 : CH 46

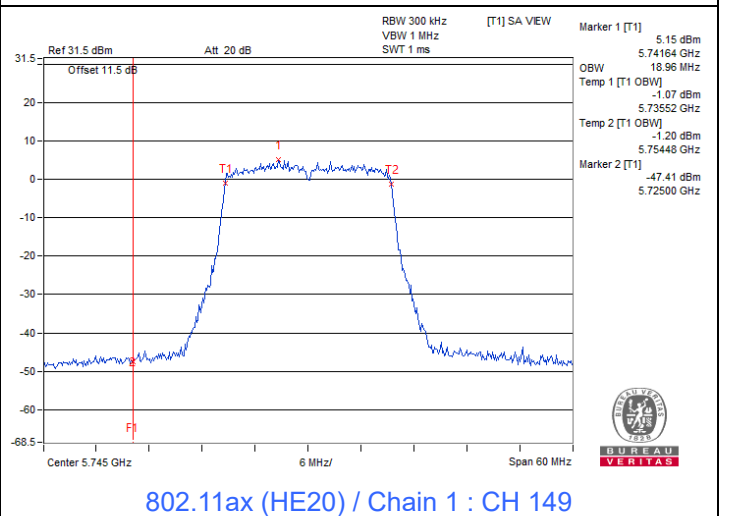
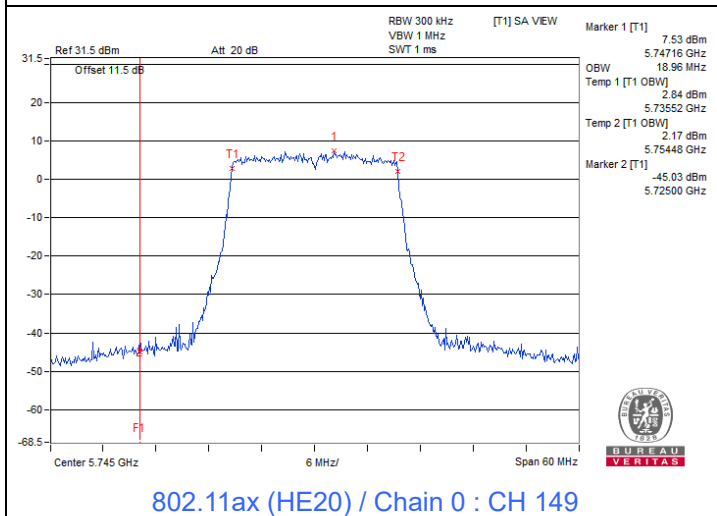
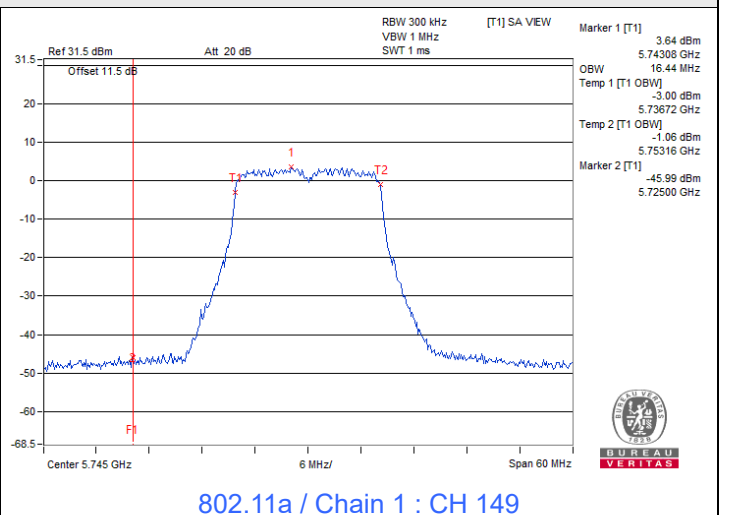
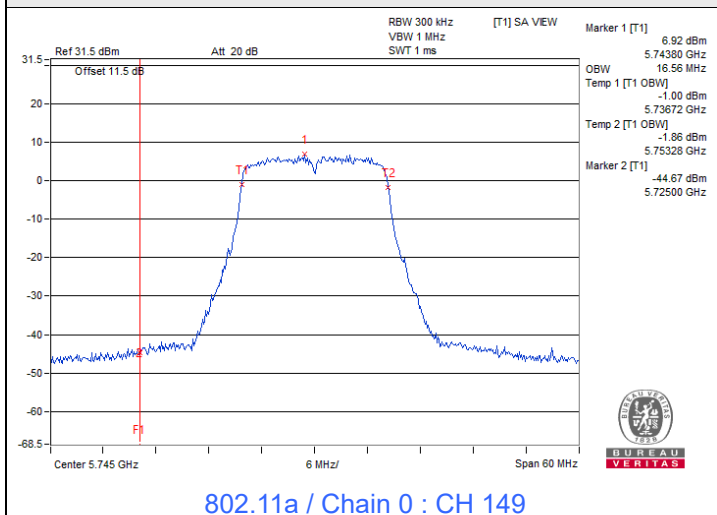


802.11ax (HE40) / Chain 1 : CH 46

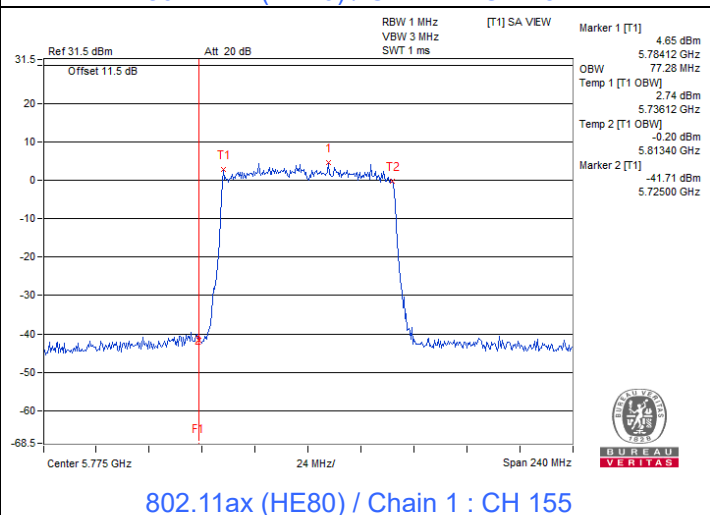
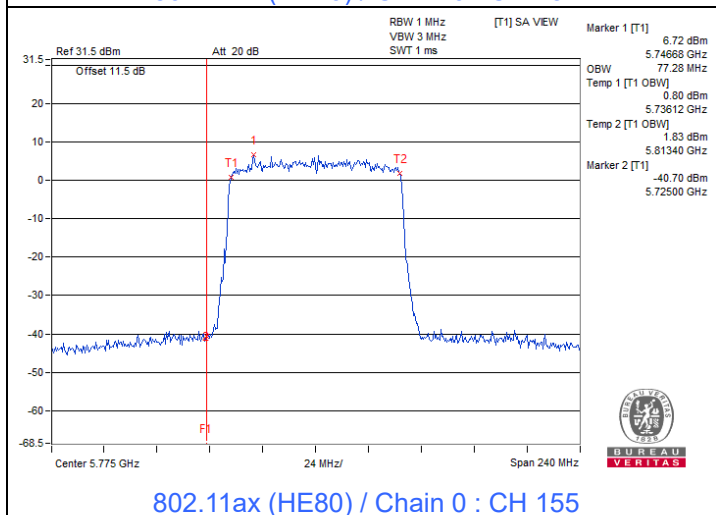
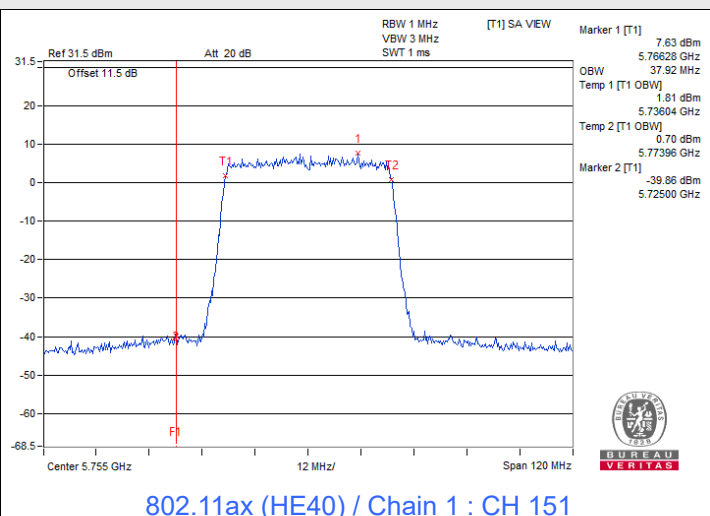
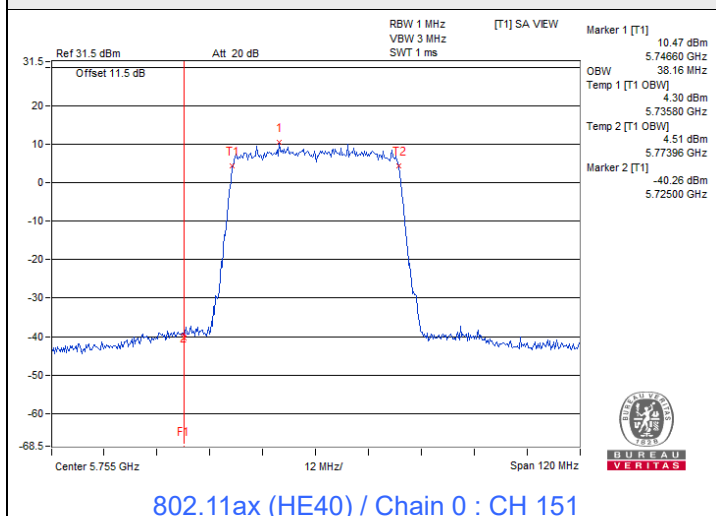
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



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



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



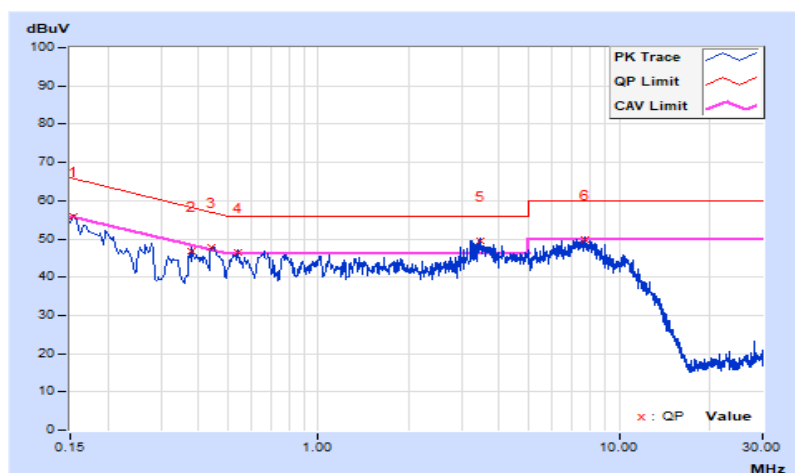
7.6 AC Power Conducted Emissions

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.32	45.67	31.97	55.99	42.29	65.79	55.79	-9.80	-13.50
2	0.38075	10.40	36.47	29.15	46.87	39.55	58.26	48.26	-11.39	-8.71
3	0.43926	10.41	37.37	27.14	47.78	37.55	57.08	47.08	-9.30	-9.53
4	0.54302	10.43	36.18	29.06	46.61	39.49	56.00	46.00	-9.39	-6.51
5	3.44498	10.67	38.72	30.98	49.39	41.65	56.00	46.00	-6.61	-4.35
6	7.68295	10.90	39.05	33.05	49.95	43.95	60.00	50.00	-10.05	-6.05

Remarks:

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

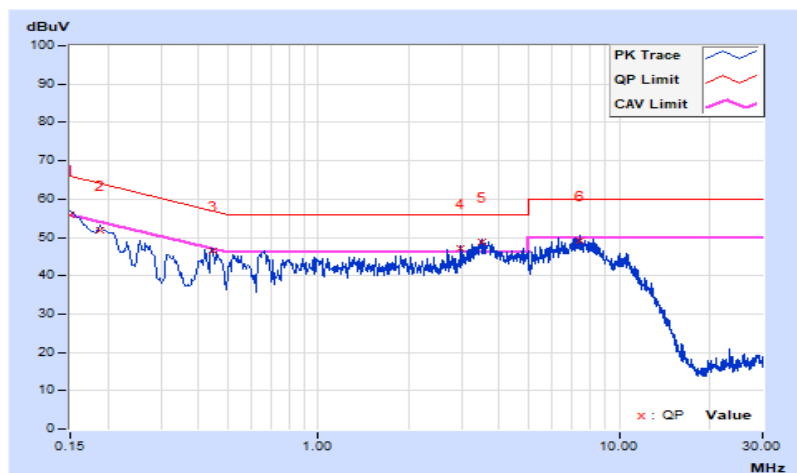


RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.41	45.49	33.18	55.90	43.59	66.00	56.00	-10.10	-12.41
2	0.18853	10.41	41.55	32.04	51.96	42.45	64.10	54.10	-12.14	-11.65
3	0.44724	10.43	36.15	25.82	46.58	36.25	56.93	46.93	-10.35	-10.68
4	2.97175	10.61	36.45	28.97	47.06	39.58	56.00	46.00	-8.94	-6.42
5	3.49192	10.64	38.06	30.36	48.70	41.00	56.00	46.00	-7.30	-5.00
6	7.37789	10.88	38.30	30.79	49.18	41.67	60.00	50.00	-10.82	-8.33

Remarks:

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



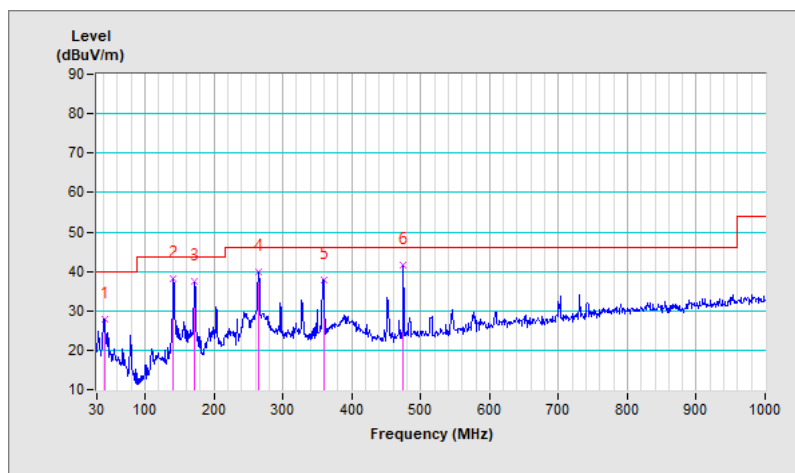
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	40.67	28.0 QP	40.0	-12.0	1.33 H	231	37.3	-9.3
2	140.58	38.1 QP	43.5	-5.4	1.16 H	224	46.6	-8.5
3	171.62	37.3 QP	43.5	-6.2	1.28 H	212	45.6	-8.3
4	264.74	40.0 QP	46.0	-6.0	1.37 H	342	47.0	-7.0
5	359.80	37.9 QP	46.0	-8.1	1.56 H	239	42.3	-4.4
6	474.26	41.6 QP	46.0	-4.4	1.08 H	19	43.2	-1.6

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

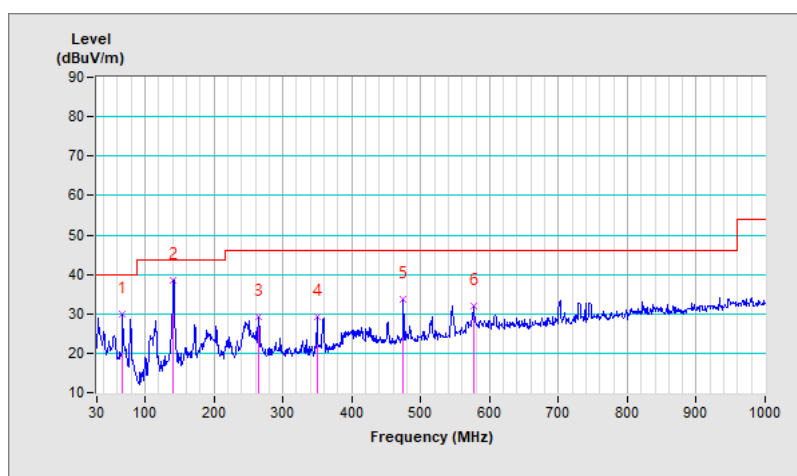


RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	66.86	29.9 QP	40.0	-10.1	1.67 V	139	39.8	-9.9
2	140.58	38.6 QP	43.5	-4.9	1.53 V	88	47.1	-8.5
3	265.71	29.2 QP	46.0	-16.8	1.79 V	187	36.1	-6.9
4	350.10	29.2 QP	46.0	-16.8	1.96 V	269	33.9	-4.7
5	474.26	33.8 QP	46.0	-12.2	1.74 V	230	35.4	-1.6
6	576.11	32.0 QP	46.0	-14.0	1.88 V	337	31.5	0.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.1 PK	74.0	-6.9	1.74 H	33	59.3	7.8
2	5150.00	49.4 AV	54.0	-4.6	1.74 H	33	41.6	7.8
3	*5180.00	110.6 PK			1.74 H	33	102.5	8.1
4	*5180.00	99.4 AV			1.74 H	33	91.3	8.1
5	#10360.00	55.9 PK	68.2	-12.3	1.62 H	54	38.9	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.5 PK	74.0	-6.5	1.86 V	274	59.7	7.8
2	5150.00	49.8 AV	54.0	-4.2	1.86 V	274	42.0	7.8
3	*5180.00	113.0 PK			1.86 V	274	104.9	8.1
4	*5180.00	102.1 AV			1.86 V	274	94.0	8.1
5	#10360.00	56.3 PK	68.2	-11.9	1.75 V	217	39.3	17.0

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	111.2 PK			2.45 H	38	103.0	8.2
2	*5200.00	100.0 AV			2.45 H	38	91.8	8.2
3	#10400.00	56.5 PK	68.2	-11.7	2.33 H	59	39.5	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	113.6 PK			2.57 V	279	105.4	8.2
2	*5200.00	102.7 AV			2.57 V	279	94.5	8.2
3	#10400.00	56.9 PK	68.2	-11.3	2.46 V	222	39.9	17.0

Remarks:

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

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	110.1 PK			2.43 H	30	101.6	8.5
2	*5240.00	98.9 AV			2.43 H	30	90.4	8.5
3	5350.00	61.8 PK	74.0	-12.2	2.43 H	30	52.8	9.0
4	5350.00	48.2 AV	54.0	-5.8	2.43 H	30	39.2	9.0
5	#10480.00	55.7 PK	68.2	-12.5	2.31 H	51	38.4	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	112.8 PK			2.55 V	271	104.3	8.5
2	*5240.00	101.9 AV			2.55 V	271	93.4	8.5
3	5350.00	62.3 PK	74.0	-11.7	2.55 V	271	53.3	9.0
4	5350.00	48.7 AV	54.0	-5.3	2.55 V	271	39.7	9.0
5	#10480.00	56.1 PK	68.2	-12.1	2.44 V	214	38.8	17.3

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.9 PK	74.0	-11.1	1.67 H	31	55.1	7.8
2	5150.00	49.5 AV	54.0	-4.5	1.67 H	31	41.7	7.8
3	*5260.00	110.1 PK			1.67 H	31	101.4	8.7
4	*5260.00	98.9 AV			1.67 H	31	90.2	8.7
5	#10520.00	55.4 PK	68.2	-12.8	1.55 H	52	37.9	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.3 PK	74.0	-10.7	1.79 V	272	55.5	7.8
2	5150.00	49.9 AV	54.0	-4.1	1.79 V	272	42.1	7.8
3	*5260.00	112.5 PK			1.79 V	272	103.8	8.7
4	*5260.00	101.6 AV			1.79 V	272	92.9	8.7
5	#10520.00	55.8 PK	68.2	-12.4	1.68 V	215	38.3	17.5

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 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	110.2 PK			2.43 H	29	101.3	8.9
2	*5300.00	99.0 AV			2.43 H	29	90.1	8.9
3	10600.00	56.4 PK	74.0	-17.6	2.31 H	50	39.0	17.4
4	10600.00	42.7 AV	54.0	-11.3	2.31 H	50	25.3	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	112.6 PK			2.55 V	270	103.7	8.9
2	*5300.00	101.7 AV			2.55 V	270	92.8	8.9
3	10600.00	56.8 PK	74.0	-17.2	2.44 V	213	39.4	17.4
4	10600.00	43.1 AV	54.0	-10.9	2.44 V	213	25.7	17.4

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.0 PK			2.42 H	29	101.0	9.0
2	*5320.00	98.8 AV			2.42 H	29	89.8	9.0
3	5350.00	62.2 PK	74.0	-11.8	2.42 H	29	53.2	9.0
4	5350.00	48.5 AV	54.0	-5.5	2.42 H	29	39.5	9.0
5	10640.00	56.6 PK	74.0	-17.4	2.31 H	50	39.3	17.3
6	10640.00	42.9 AV	54.0	-11.1	2.31 H	50	25.6	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.8 PK			2.55 V	269	103.8	9.0
2	*5320.00	101.9 AV			2.55 V	269	92.9	9.0
3	5350.00	62.6 PK	74.0	-11.4	2.55 V	269	53.6	9.0
4	5350.00	48.9 AV	54.0	-5.1	2.55 V	269	39.9	9.0
5	10640.00	57.0 PK	74.0	-17.0	2.43 V	212	39.7	17.3
6	10640.00	43.3 AV	54.0	-10.7	2.43 V	212	26.0	17.3

Remarks:

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

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.7 PK	74.0	-12.3	2.14 H	35	52.1	9.6
2	5460.00	48.9 AV	54.0	-5.1	2.14 H	35	39.3	9.6
3	#5470.00	61.8 PK	68.2	-6.4	2.14 H	35	52.0	9.8
4	*5500.00	107.9 PK			2.14 H	35	97.9	10.0
5	*5500.00	96.7 AV			2.14 H	35	86.7	10.0
6	11000.00	54.5 PK	74.0	-19.5	2.03 H	56	36.0	18.5
7	11000.00	40.7 AV	54.0	-13.3	2.03 H	56	22.2	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	2.27 V	275	52.5	9.6
2	5460.00	49.3 AV	54.0	-4.7	2.27 V	275	39.7	9.6
3	#5470.00	62.2 PK	68.2	-6.0	2.27 V	275	52.4	9.8
4	*5500.00	110.7 PK			2.27 V	275	100.7	10.0
5	*5500.00	99.8 AV			2.27 V	275	89.8	10.0
6	11000.00	54.9 PK	74.0	-19.1	2.15 V	206	36.4	18.5
7	11000.00	41.2 AV	54.0	-12.8	2.15 V	206	22.7	18.5

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	108.5 PK			2.12 H	36	99.0	9.5
2	*5580.00	97.3 AV			2.12 H	36	87.8	9.5
3	11160.00	55.1 PK	74.0	-18.9	2.04 H	58	35.7	19.4
4	11160.00	41.4 AV	54.0	-12.6	2.04 H	58	22.0	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.3 PK			2.25 V	274	101.8	9.5
2	*5580.00	100.4 AV			2.25 V	274	90.9	9.5
3	11160.00	55.5 PK	74.0	-18.5	2.13 V	207	36.1	19.4
4	11160.00	41.8 AV	54.0	-12.2	2.13 V	207	22.4	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	107.8 PK			2.10 H	205	98.9	8.9
2	*5700.00	96.6 AV			2.10 H	205	87.7	8.9
3	#5725.00	63.8 PK	68.2	-4.4	2.10 H	205	54.8	9.0
4	11400.00	54.4 PK	74.0	-19.6	1.99 H	226	34.9	19.5
5	11400.00	40.7 AV	54.0	-13.3	1.99 H	226	21.2	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.6 PK			2.23 V	85	101.7	8.9
2	*5700.00	99.7 AV			2.23 V	85	90.8	8.9
3	#5725.00	64.2 PK	68.2	-4.0	2.23 V	85	55.2	9.0
4	11400.00	54.8 PK	74.0	-19.2	2.11 V	16	35.3	19.5
5	11400.00	41.1 AV	54.0	-12.9	2.11 V	16	21.6	19.5

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.0 PK	68.2	-6.2	2.11 H	186	52.2	9.8
2	*5720.00	108.1 PK			2.11 H	186	99.1	9.0
3	*5720.00	96.9 AV			2.11 H	186	87.9	9.0
4	11440.00	54.7 PK	74.0	-19.3	1.99 H	207	35.3	19.4
5	11440.00	41.0 AV	54.0	-13.0	1.99 H	207	21.6	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.4 PK	68.2	-5.8	2.33 V	66	52.6	9.8
2	*5720.00	110.9 PK			2.33 V	66	101.9	9.0
3	*5720.00	100.0 AV			2.33 V	66	91.0	9.0
4	11440.00	55.1 PK	74.0	-18.9	2.10 V	357	35.7	19.4
5	11440.00	41.4 AV	54.0	-12.6	2.10 V	357	22.0	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.20	63.5 PK	68.2	-4.7	2.13 H	206	54.4	9.1
2	*5745.00	109.5 PK			2.13 H	206	100.6	8.9
3	*5745.00	98.3 AV			2.13 H	206	89.4	8.9
4	#5980.80	62.0 PK	68.2	-6.2	2.13 H	206	53.1	8.9
5	11490.00	56.1 PK	74.0	-17.9	1.96 H	225	36.7	19.4
6	11490.00	42.4 AV	54.0	-11.6	1.96 H	225	23.0	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.40	62.7 PK	68.2	-5.5	2.26 V	85	53.5	9.2
2	*5745.00	112.3 PK			2.26 V	85	103.4	8.9
3	*5745.00	101.4 AV			2.26 V	85	92.5	8.9
4	#5934.80	62.1 PK	68.2	-6.1	2.26 V	85	53.3	8.8
5	11490.00	56.5 PK	74.0	-17.5	2.14 V	15	37.1	19.4
6	11490.00	42.8 AV	54.0	-11.2	2.14 V	15	23.4	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5608.40	62.4 PK	68.2	-5.8	2.12 H	203	53.1	9.3
2	*5785.00	109.4 PK			2.12 H	203	100.3	9.1
3	*5785.00	98.2 AV			2.12 H	203	89.1	9.1
4	#5961.20	62.2 PK	68.2	-6.0	2.12 H	203	53.4	8.8
5	11570.00	56.0 PK	74.0	-18.0	1.97 H	222	36.6	19.4
6	11570.00	42.3 AV	54.0	-11.7	1.97 H	222	22.9	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5608.40	62.8 PK	68.2	-5.4	2.26 V	82	53.5	9.3
2	*5785.00	112.3 PK			2.26 V	82	103.2	9.1
3	*5785.00	101.4 AV			2.26 V	82	92.3	9.1
4	#5989.60	62.3 PK	68.2	-5.9	2.26 V	82	53.4	8.9
5	11570.00	56.4 PK	74.0	-17.6	2.15 V	18	37.0	19.4
6	11570.00	42.7 AV	54.0	-11.3	2.15 V	18	23.3	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.20	62.6 PK	68.2	-5.6	2.13 H	196	53.5	9.1
2	*5825.00	108.6 PK			2.13 H	196	99.6	9.0
3	*5825.00	97.4 AV			2.13 H	196	88.4	9.0
4	#5955.60	61.9 PK	68.2	-6.3	2.13 H	196	53.1	8.8
5	11650.00	55.2 PK	74.0	-18.8	1.96 H	215	35.7	19.5
6	11650.00	41.5 AV	54.0	-12.5	1.96 H	215	22.0	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.40	62.7 PK	68.2	-5.5	2.27 V	89	53.6	9.1
2	*5825.00	111.5 PK			2.27 V	89	102.5	9.0
3	*5825.00	100.6 AV			2.27 V	89	91.6	9.0
4	#5939.60	62.2 PK	68.2	-6.0	2.27 V	89	53.4	8.8
5	11650.00	55.6 PK	74.0	-18.4	2.15 V	11	36.1	19.5
6	11650.00	41.9 AV	54.0	-12.1	2.15 V	11	22.4	19.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.1 PK	74.0	-5.9	1.80 H	31	60.3	7.8
2	5150.00	49.9 AV	54.0	-4.1	1.80 H	31	42.1	7.8
3	*5180.00	113.4 PK			1.80 H	31	105.3	8.1
4	*5180.00	102.2 AV			1.80 H	31	94.1	8.1
5	#10360.00	56.0 PK	68.2	-12.2	1.68 H	52	39.0	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.0 PK	74.0	-5.0	1.92 V	272	61.2	7.8
2	5150.00	50.9 AV	54.0	-3.1	1.92 V	272	43.1	7.8
3	*5180.00	116.3 PK			1.92 V	272	108.2	8.1
4	*5180.00	102.9 AV			1.92 V	272	94.8	8.1
5	#10360.00	56.4 PK	68.2	-11.8	1.69 V	215	39.4	17.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	114.0 PK			1.78 H	33	105.8	8.2
2	*5200.00	102.6 AV			1.78 H	33	94.4	8.2
3	#10400.00	56.6 PK	68.2	-11.6	1.65 H	50	39.6	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	116.9 PK			1.95 V	270	108.7	8.2
2	*5200.00	103.5 AV			1.95 V	270	95.3	8.2
3	#10400.00	57.0 PK	68.2	-11.2	1.66 V	213	40.0	17.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	112.9 PK			2.64 H	37	104.4	8.5
2	*5240.00	101.5 AV			2.64 H	37	93.0	8.5
3	5350.00	62.1 PK	74.0	-11.9	2.64 H	37	53.1	9.0
4	5350.00	48.5 AV	54.0	-5.5	2.64 H	37	39.5	9.0
5	#10480.00	55.5 PK	68.2	-12.7	2.51 H	54	38.2	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	115.8 PK			2.81 V	274	107.3	8.5
2	*5240.00	102.4 AV			2.81 V	274	93.9	8.5
3	5350.00	62.5 PK	74.0	-11.5	2.81 V	274	53.5	9.0
4	5350.00	48.9 AV	54.0	-5.1	2.81 V	274	39.9	9.0
5	#10480.00	55.9 PK	68.2	-12.3	2.52 V	217	38.6	17.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.8 PK	74.0	-12.2	1.71 H	34	54.0	7.8
2	5150.00	48.2 AV	54.0	-5.8	1.71 H	34	40.4	7.8
3	*5260.00	112.6 PK			1.71 H	34	103.9	8.7
4	*5260.00	101.4 AV			1.71 H	34	92.7	8.7
5	#10520.00	55.2 PK	68.2	-13.0	1.59 H	55	37.7	17.5

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.2 PK	74.0	-11.8	1.83 V	275	54.4	7.8
2	5150.00	48.6 AV	54.0	-5.4	1.83 V	275	40.8	7.8
3	*5260.00	115.5 PK			1.83 V	275	106.8	8.7
4	*5260.00	102.1 AV			1.83 V	275	93.4	8.7
5	#10520.00	55.6 PK	68.2	-12.6	1.60 V	218	38.1	17.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	113.2 PK			1.69 H	33	104.3	8.9
2	*5300.00	102.0 AV			1.69 H	33	93.1	8.9
3	10600.00	55.8 PK	74.0	-18.2	1.58 H	54	38.4	17.4
4	10600.00	42.6 AV	54.0	-11.4	1.58 H	54	25.2	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.1 PK			1.84 V	276	107.2	8.9
2	*5300.00	102.7 AV			1.84 V	276	93.8	8.9
3	10600.00	56.2 PK	74.0	-17.8	1.58 V	216	38.8	17.4
4	10600.00	43.0 AV	54.0	-11.0	1.58 V	216	25.6	17.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.9 PK			2.02 H	205	102.9	9.0
2	*5320.00	100.7 AV			2.02 H	205	91.7	9.0
3	5350.00	65.8 PK	74.0	-8.2	2.02 H	205	56.8	9.0
4	5350.00	49.4 AV	54.0	-4.6	2.02 H	205	40.4	9.0
5	10640.00	54.1 PK	74.0	-19.9	1.91 H	226	36.8	17.3
6	10640.00	41.3 AV	54.0	-12.7	1.91 H	226	24.0	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	114.8 PK			2.17 V	88	105.8	9.0
2	*5320.00	101.4 AV			2.17 V	88	92.4	9.0
3	5350.00	66.2 PK	74.0	-7.8	2.17 V	88	57.2	9.0
4	5350.00	49.8 AV	54.0	-4.2	2.17 V	88	40.8	9.0
5	10640.00	54.5 PK	74.0	-19.5	1.91 V	28	37.2	17.3
6	10640.00	41.7 AV	54.0	-12.3	1.91 V	28	24.4	17.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	2.21 H	25	51.4	9.6
2	5460.00	48.9 AV	54.0	-5.1	2.21 H	25	39.3	9.6
3	#5470.00	61.7 PK	68.2	-6.5	2.21 H	25	51.9	9.8
4	*5500.00	110.7 PK			2.21 H	25	100.7	10.0
5	*5500.00	99.5 AV			2.21 H	25	89.5	10.0
6	11000.00	52.9 PK	74.0	-21.1	2.10 H	46	34.4	18.5
7	11000.00	40.1 AV	54.0	-13.9	2.10 H	46	21.6	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	2.36 V	268	51.8	9.6
2	5460.00	49.3 AV	54.0	-4.7	2.36 V	268	39.7	9.6
3	#5470.00	62.1 PK	68.2	-6.1	2.36 V	268	52.3	9.8
4	*5500.00	113.6 PK			2.36 V	268	103.6	10.0
5	*5500.00	100.2 AV			2.36 V	268	90.2	10.0
6	11000.00	53.3 PK	74.0	-20.7	2.10 V	208	34.8	18.5
7	11000.00	40.5 AV	54.0	-13.5	2.10 V	208	22.0	18.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.3 PK			2.16 H	20	101.8	9.5
2	*5580.00	100.1 AV			2.16 H	20	90.6	9.5
3	11160.00	53.5 PK	74.0	-20.5	2.05 H	41	34.1	19.4
4	11160.00	40.7 AV	54.0	-13.3	2.05 H	41	21.3	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	114.2 PK			2.31 V	263	104.7	9.5
2	*5580.00	100.8 AV			2.31 V	263	91.3	9.5
3	11160.00	53.9 PK	74.0	-20.1	2.05 V	203	34.5	19.4
4	11160.00	41.1 AV	54.0	-12.9	2.05 V	203	21.7	19.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.5 PK			2.10 H	177	102.6	8.9
2	*5700.00	100.3 AV			2.10 H	177	91.4	8.9
3	#5725.00	65.4 PK	68.2	-2.8	2.10 H	177	56.4	9.0
4	11400.00	53.7 PK	74.0	-20.3	1.99 H	198	34.2	19.5
5	11400.00	40.9 AV	54.0	-13.1	1.99 H	198	21.4	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.4 PK			2.25 V	60	105.5	8.9
2	*5700.00	101.0 AV			2.25 V	60	92.1	8.9
3	#5725.00	67.6 PK	68.2	-0.6	2.25 V	60	58.6	9.0
4	11400.00	54.1 PK	74.0	-19.9	1.99 V	1	34.6	19.5
5	11400.00	41.3 AV	54.0	-12.7	1.99 V	1	21.8	19.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.2 PK	68.2	-6.0	2.18 H	176	52.4	9.8
2	*5720.00	111.1 PK			2.18 H	176	102.1	9.0
3	*5720.00	99.9 AV			2.18 H	176	90.9	9.0
4	11440.00	53.3 PK	74.0	-20.7	2.07 H	197	33.9	19.4
5	11440.00	40.5 AV	54.0	-13.5	2.07 H	197	21.1	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.6 PK	68.2	-5.6	2.33 V	59	52.8	9.8
2	*5720.00	114.0 PK			2.33 V	59	105.0	9.0
3	*5720.00	100.6 AV			2.33 V	59	91.6	9.0
4	11440.00	53.7 PK	74.0	-20.3	2.07 V	2	34.3	19.4
5	11440.00	40.9 AV	54.0	-13.1	2.07 V	2	21.5	19.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5610.40	62.8 PK	68.2	-5.4	1.95 H	210	53.5	9.3
2	*5745.00	111.0 PK			1.95 H	210	102.1	8.9
3	*5745.00	99.8 AV			1.95 H	210	90.9	8.9
4	#5945.60	63.0 PK	68.2	-5.2	1.95 H	210	54.2	8.8
5	11490.00	53.2 PK	74.0	-20.8	1.84 H	231	33.8	19.4
6	11490.00	40.4 AV	54.0	-13.6	1.84 H	231	21.0	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.00	62.4 PK	68.2	-5.8	2.10 V	93	53.2	9.2
2	*5745.00	113.9 PK			2.10 V	93	105.0	8.9
3	*5745.00	100.5 AV			2.10 V	93	91.6	8.9
4	#5948.80	61.8 PK	68.2	-6.4	2.10 V	93	53.0	8.8
5	11490.00	53.6 PK	74.0	-20.4	1.84 V	34	34.2	19.4
6	11490.00	40.8 AV	54.0	-13.2	1.84 V	34	21.4	19.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5611.20	62.6 PK	68.2	-5.6	1.99 H	208	53.3	9.3
2	*5785.00	111.3 PK			1.99 H	208	102.2	9.1
3	*5785.00	100.1 AV			1.99 H	208	91.0	9.1
4	#5978.00	61.5 PK	68.2	-6.7	1.99 H	208	52.7	8.8
5	11570.00	53.5 PK	74.0	-20.5	1.88 H	229	34.1	19.4
6	11570.00	40.7 AV	54.0	-13.3	1.88 H	229	21.3	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5600.40	63.0 PK	68.2	-5.2	2.14 V	91	53.6	9.4
2	*5785.00	114.2 PK			2.14 V	91	105.1	9.1
3	*5785.00	100.8 AV			2.14 V	91	91.7	9.1
4	#5948.00	62.9 PK	68.2	-5.3	2.14 V	91	54.1	8.8
5	11570.00	53.9 PK	74.0	-20.1	1.88 V	32	34.5	19.4
6	11570.00	41.1 AV	54.0	-12.9	1.88 V	32	21.7	19.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5609.60	63.2 PK	68.2	-5.0	2.00 H	210	53.9	9.3
2	*5825.00	111.0 PK			2.00 H	210	102.0	9.0
3	*5825.00	99.8 AV			2.00 H	210	90.8	9.0
4	#5935.60	62.0 PK	68.2	-6.2	2.00 H	210	53.2	8.8
5	11650.00	53.2 PK	74.0	-20.8	1.87 H	227	33.7	19.5
6	11650.00	40.4 AV	54.0	-13.6	1.87 H	227	20.9	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.80	64.2 PK	68.2	-4.0	2.14 V	86	54.9	9.3
2	*5825.00	113.9 PK			2.14 V	86	104.9	9.0
3	*5825.00	100.5 AV			2.14 V	86	91.5	9.0
4	#5969.60	63.0 PK	68.2	-5.2	2.14 V	86	54.2	8.8
5	11650.00	53.6 PK	74.0	-20.4	1.89 V	37	34.1	19.5
6	11650.00	40.8 AV	54.0	-13.2	1.89 V	37	21.3	19.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	68.0 PK	74.0	-6.0	1.51 H	10	60.2	7.8
2	5150.00	50.4 AV	54.0	-3.6	1.51 H	10	42.6	7.8
3	*5190.00	112.5 PK			1.51 H	10	104.4	8.1
4	*5190.00	98.9 AV			1.51 H	10	90.8	8.1
5	#10380.00	55.8 PK	68.2	-12.4	1.36 H	59	38.7	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.3 PK	74.0	-4.7	2.39 V	266	61.5	7.8
2	5150.00	51.2 AV	54.0	-2.8	2.39 V	266	43.4	7.8
3	*5190.00	113.1 PK			2.39 V	266	105.0	8.1
4	*5190.00	99.1 AV			2.39 V	266	91.0	8.1
5	#10380.00	56.1 PK	68.2	-12.1	1.74 V	209	39.0	17.1

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 (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	112.7 PK			1.52 H	11	104.2	8.5
2	*5230.00	98.9 AV			1.52 H	11	90.4	8.5
3	5350.00	61.1 PK	74.0	-12.9	1.52 H	11	52.1	9.0
4	5350.00	48.2 AV	54.0	-5.8	1.52 H	11	39.2	9.0
5	#10460.00	55.9 PK	68.2	-12.3	1.33 H	57	38.6	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	113.1 PK			2.81 V	271	104.6	8.5
2	*5230.00	99.0 AV			2.81 V	271	90.5	8.5
3	5350.00	61.5 PK	74.0	-12.5	2.81 V	271	52.5	9.0
4	5350.00	48.3 AV	54.0	-5.7	2.81 V	271	39.3	9.0
5	#10460.00	56.2 PK	68.2	-12.0	1.77 V	213	38.9	17.3

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.8 PK	74.0	-12.2	1.50 H	9	54.0	7.8
2	5150.00	48.7 AV	54.0	-5.3	1.50 H	9	40.9	7.8
3	*5270.00	111.3 PK			1.50 H	9	102.6	8.7
4	*5270.00	97.6 AV			1.50 H	9	88.9	8.7
5	#10540.00	55.8 PK	68.2	-12.4	1.31 H	66	38.4	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.4 PK	74.0	-11.6	2.80 V	272	54.6	7.8
2	5150.00	48.9 AV	54.0	-5.1	2.80 V	272	41.1	7.8
3	*5270.00	112.7 PK			2.80 V	272	104.0	8.7
4	*5270.00	99.0 AV			2.80 V	272	90.3	8.7
5	#10540.00	56.3 PK	68.2	-11.9	1.79 V	209	38.9	17.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	110.6 PK			1.47 H	12	101.6	9.0
2	*5310.00	97.0 AV			1.47 H	12	88.0	9.0
3	5350.00	65.3 PK	74.0	-8.7	1.47 H	12	56.3	9.0
4	5350.00	49.4 AV	54.0	-4.6	1.47 H	12	40.4	9.0
5	10620.00	54.5 PK	74.0	-19.5	1.29 H	72	37.1	17.4
6	10620.00	41.6 AV	54.0	-12.4	1.29 H	72	24.2	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	111.2 PK			2.82 V	274	102.2	9.0
2	*5310.00	97.5 AV			2.82 V	274	88.5	9.0
3	5350.00	66.9 PK	74.0	-7.1	2.82 V	274	57.9	9.0
4	5350.00	49.9 AV	54.0	-4.1	2.82 V	274	40.9	9.0
5	10620.00	54.8 PK	74.0	-19.2	1.73 V	207	37.4	17.4
6	10620.00	41.9 AV	54.0	-12.1	1.73 V	207	24.5	17.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.3 PK	74.0	-12.7	1.58 H	17	51.7	9.6
2	5460.00	48.8 AV	54.0	-5.2	1.58 H	17	39.2	9.6
3	#5470.00	61.8 PK	68.2	-6.4	1.58 H	17	52.0	9.8
4	*5510.00	109.2 PK			1.58 H	17	99.2	10.0
5	*5510.00	96.2 AV			1.58 H	17	86.2	10.0
6	11020.00	54.2 PK	74.0	-19.8	1.29 H	68	35.5	18.7
7	11020.00	41.2 AV	54.0	-12.8	1.29 H	68	22.5	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.0 PK	74.0	-12.0	2.84 V	271	52.4	9.6
2	5460.00	49.3 AV	54.0	-4.7	2.84 V	271	39.7	9.6
3	#5470.00	62.3 PK	68.2	-5.9	2.84 V	271	52.5	9.8
4	*5510.00	109.6 PK			2.84 V	271	99.6	10.0
5	*5510.00	96.4 AV			2.84 V	271	86.4	10.0
6	11020.00	54.6 PK	74.0	-19.4	1.76 V	212	35.9	18.7
7	11020.00	41.7 AV	54.0	-12.3	1.76 V	212	23.0	18.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.4 PK			1.55 H	15	99.6	9.8
2	*5550.00	96.5 AV			1.55 H	15	86.7	9.8
3	11100.00	54.4 PK	74.0	-19.6	1.32 H	66	35.0	19.4
4	11100.00	41.3 AV	54.0	-12.7	1.32 H	66	21.9	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	109.8 PK			2.81 V	277	100.0	9.8
2	*5550.00	96.6 AV			2.81 V	277	86.8	9.8
3	11100.00	54.8 PK	74.0	-19.2	1.74 V	217	35.4	19.4
4	11100.00	41.8 AV	54.0	-12.2	1.74 V	217	22.4	19.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	109.7 PK			1.66 H	19	100.7	9.0
2	*5670.00	96.8 AV			1.66 H	19	87.8	9.0
3	#5725.00	64.2 PK	68.2	-4.0	1.66 H	19	55.2	9.0
4	11340.00	54.3 PK	74.0	-19.7	1.28 H	60	34.9	19.4
5	11340.00	41.3 AV	54.0	-12.7	1.28 H	60	21.9	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	109.9 PK			2.82 V	274	100.9	9.0
2	*5670.00	97.0 AV			2.82 V	274	88.0	9.0
3	#5725.00	65.1 PK	68.2	-3.1	2.82 V	274	56.1	9.0
4	11340.00	54.7 PK	74.0	-19.3	1.31 V	62	35.3	19.4
5	11340.00	41.6 AV	54.0	-12.4	1.31 V	62	22.2	19.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.9 PK	68.2	-6.3	1.16 H	164	52.1	9.8
2	*5710.00	110.0 PK			1.16 H	164	101.0	9.0
3	*5710.00	97.1 AV			1.16 H	164	88.1	9.0
4	11420.00	55.6 PK	74.0	-18.4	1.78 H	205	36.2	19.4
5	11420.00	42.5 AV	54.0	-11.5	1.78 H	205	23.1	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.3 PK	68.2	-5.9	2.32 V	59	52.5	9.8
2	*5710.00	111.2 PK			2.32 V	59	102.2	9.0
3	*5710.00	98.3 AV			2.32 V	59	89.3	9.0
4	11420.00	56.0 PK	74.0	-18.0	1.81 V	207	36.6	19.4
5	11420.00	42.9 AV	54.0	-11.1	1.81 V	207	23.5	19.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.20	63.7 PK	68.2	-4.5	1.90 H	344	54.6	9.1
2	*5755.00	111.7 PK			1.90 H	344	102.7	9.0
3	*5755.00	97.6 AV			1.90 H	344	88.6	9.0
4	#5954.80	62.8 PK	68.2	-5.4	1.90 H	344	54.0	8.8
5	11510.00	54.2 PK	74.0	-19.8	1.26 H	61	34.8	19.4
6	11510.00	41.2 AV	54.0	-12.8	1.26 H	61	21.8	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.60	63.7 PK	68.2	-4.5	2.27 V	89	54.3	9.4
2	*5755.00	111.9 PK			2.27 V	89	102.9	9.0
3	*5755.00	97.8 AV			2.27 V	89	88.8	9.0
4	#5975.60	63.6 PK	68.2	-4.6	2.27 V	89	54.8	8.8
5	11510.00	54.8 PK	74.0	-19.2	1.28 V	64	35.4	19.4
6	11510.00	41.7 AV	54.0	-12.3	1.28 V	64	22.3	19.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.40	63.9 PK	68.2	-4.3	1.89 H	346	54.6	9.3
2	*5795.00	111.8 PK			1.89 H	346	102.6	9.2
3	*5795.00	97.7 AV			1.89 H	346	88.5	9.2
4	#5936.40	62.4 PK	68.2	-5.8	1.89 H	346	53.6	8.8
5	11590.00	54.9 PK	74.0	-19.1	1.27 H	65	35.5	19.4
6	11590.00	41.8 AV	54.0	-12.2	1.27 H	65	22.4	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5623.20	63.4 PK	68.2	-4.8	2.27 V	86	54.2	9.2
2	*5795.00	112.0 PK			2.27 V	86	102.8	9.2
3	*5795.00	97.9 AV			2.27 V	86	88.7	9.2
4	#5990.00	62.0 PK	68.2	-6.2	2.27 V	86	53.1	8.9
5	11590.00	55.0 PK	74.0	-19.0	1.78 V	217	35.6	19.4
6	11590.00	41.9 AV	54.0	-12.1	1.78 V	217	22.5	19.4

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.9 PK	74.0	-5.1	1.49 H	10	61.1	7.8
2	5150.00	51.5 AV	54.0	-2.5	1.49 H	10	43.7	7.8
3	*5210.00	108.2 PK			1.49 H	10	100.0	8.2
4	*5210.00	94.5 AV			1.49 H	10	86.3	8.2
5	5350.00	65.0 PK	74.0	-9.0	1.49 H	10	56.0	9.0
6	5350.00	48.6 AV	54.0	-5.4	1.49 H	10	39.6	9.0
7	#10420.00	52.3 PK	68.2	-15.9	1.29 H	65	35.2	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.0 PK	74.0	-4.0	2.79 V	272	62.2	7.8
2	5150.00	52.0 AV	54.0	-2.0	2.79 V	272	44.2	7.8
3	*5210.00	109.7 PK			2.79 V	272	101.5	8.2
4	*5210.00	96.0 AV			2.79 V	272	87.8	8.2
5	5350.00	65.4 PK	74.0	-8.6	2.79 V	272	56.4	9.0
6	5350.00	49.0 AV	54.0	-5.0	2.79 V	272	40.0	9.0
7	#10420.00	52.7 PK	68.2	-15.5	2.30 V	43	35.6	17.1

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 (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.5 PK	74.0	-8.5	1.53 H	11	57.7	7.8
2	5150.00	49.6 AV	54.0	-4.4	1.53 H	11	41.8	7.8
3	*5290.00	107.6 PK			1.53 H	11	98.8	8.8
4	*5290.00	93.9 AV			1.53 H	11	85.1	8.8
5	5350.00	65.3 PK	74.0	-8.7	1.53 H	11	56.3	9.0
6	5350.00	49.2 AV	54.0	-4.8	1.53 H	11	40.2	9.0
7	#10580.00	51.7 PK	68.2	-16.5	1.25 H	64	34.2	17.5
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	65.9 PK	74.0	-8.1	2.83 V	272	58.1	7.8
2	5150.00	50.0 AV	54.0	-4.0	2.83 V	272	42.2	7.8
3	*5290.00	109.1 PK			2.83 V	272	100.3	8.8
4	*5290.00	95.4 AV			2.83 V	272	86.6	8.8
5	5350.00	65.7 PK	74.0	-8.3	2.83 V	272	56.7	9.0
6	5350.00	49.6 AV	54.0	-4.4	2.83 V	272	40.6	9.0
7	#10580.00	52.1 PK	68.2	-16.1	2.34 V	45	34.6	17.5

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.0 PK	74.0	-10.0	1.51 H	10	54.4	9.6
2	5460.00	48.1 AV	54.0	-5.9	1.51 H	10	38.5	9.6
3	#5470.00	63.0 PK	68.2	-5.2	1.51 H	10	53.2	9.8
4	*5530.00	107.0 PK			1.51 H	10	97.1	9.9
5	*5530.00	93.3 AV			1.51 H	10	83.4	9.9
6	11060.00	54.0 PK	74.0	-20.0	1.27 H	63	35.0	19.0
7	11060.00	41.1 AV	54.0	-12.9	1.27 H	63	22.1	19.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.4 PK	74.0	-9.6	2.81 V	272	54.8	9.6
2	5460.00	48.5 AV	54.0	-5.5	2.81 V	272	38.9	9.6
3	#5470.00	63.4 PK	68.2	-4.8	2.81 V	272	53.6	9.8
4	*5530.00	108.5 PK			2.81 V	272	98.6	9.9
5	*5530.00	94.8 AV			2.81 V	272	84.9	9.9
6	11060.00	54.4 PK	74.0	-19.6	2.32 V	44	35.4	19.0
7	11060.00	41.5 AV	54.0	-12.5	2.32 V	44	22.5	19.0

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	107.2 PK			1.47 H	9	97.9	9.3
2	*5610.00	93.5 AV			1.47 H	9	84.2	9.3
3	#5725.00	62.4 PK	68.2	-5.8	1.47 H	9	53.4	9.0
4	11220.00	54.2 PK	74.0	-19.8	1.23 H	62	34.8	19.4
5	11220.00	41.3 AV	54.0	-12.7	1.23 H	62	21.9	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	108.7 PK			2.77 V	273	99.4	9.3
2	*5610.00	95.0 AV			2.77 V	273	85.7	9.3
3	#5725.00	62.8 PK	68.2	-5.4	2.77 V	273	53.8	9.0
4	11220.00	54.6 PK	74.0	-19.4	2.28 V	45	35.2	19.4
5	11220.00	41.7 AV	54.0	-12.3	2.28 V	45	22.3	19.4

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.9 PK	68.2	-6.3	1.03 H	180	52.1	9.8
2	*5690.00	106.5 PK			1.03 H	180	97.5	9.0
3	*5690.00	92.8 AV			1.03 H	180	83.8	9.0
4	11380.00	53.7 PK	74.0	-20.3	1.67 H	233	34.3	19.4
5	11380.00	40.8 AV	54.0	-13.2	1.67 H	233	21.4	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.1 PK	68.2	-6.1	2.33 V	84	52.3	9.8
2	*5690.00	108.0 PK			2.33 V	84	99.0	9.0
3	*5690.00	94.3 AV			2.33 V	84	85.3	9.0
4	11380.00	53.9 PK	74.0	-20.1	1.84 V	216	34.5	19.4
5	11380.00	41.0 AV	54.0	-13.0	1.84 V	216	21.6	19.4

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.80	63.1 PK	68.2	-5.1	1.96 H	180	53.9	9.2
2	*5775.00	106.5 PK			1.96 H	180	97.3	9.2
3	*5775.00	92.8 AV			1.96 H	180	83.6	9.2
4	#5930.00	61.8 PK	68.2	-6.4	1.96 H	180	53.1	8.7
5	11550.00	53.5 PK	74.0	-20.5	1.72 H	233	34.1	19.4
6	11550.00	40.6 AV	54.0	-13.4	1.72 H	233	21.2	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.20	63.0 PK	68.2	-5.2	2.28 V	84	53.6	9.4
2	*5775.00	108.0 PK			2.28 V	84	98.8	9.2
3	*5775.00	94.3 AV			2.28 V	84	85.1	9.2
4	#5951.60	62.6 PK	68.2	-5.6	2.28 V	84	53.8	8.8
5	11550.00	53.9 PK	74.0	-20.1	1.79 V	216	34.5	19.4
6	11550.00	41.0 AV	54.0	-13.0	1.79 V	216	21.6	19.4

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.5 PK	74.0	-7.5	2.33 H	4	58.7	7.8
2	5150.00	51.9 AV	54.0	-2.1	2.33 H	4	44.1	7.8
3	*5250.00	106.2 PK			2.33 H	4	97.6	8.6
4	*5250.00	92.2 AV			2.33 H	4	83.6	8.6
5	5350.00	69.4 PK	74.0	-4.6	2.33 H	4	60.4	9.0
6	5350.00	51.9 AV	54.0	-2.1	2.33 H	4	42.9	9.0
7	#10500.00	53.2 PK	68.2	-15.0	2.09 H	61	35.7	17.5
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	66.9 PK	74.0	-7.1	2.71 V	266	59.1	7.8
2	5150.00	52.3 AV	54.0	-1.7	2.71 V	266	44.5	7.8
3	*5250.00	107.7 PK			2.71 V	266	99.1	8.6
4	*5250.00	94.0 AV			2.71 V	266	85.4	8.6
5	5350.00	69.8 PK	74.0	-4.2	2.71 V	266	60.8	9.0
6	5350.00	52.3 AV	54.0	-1.7	2.71 V	266	43.3	9.0
7	#10500.00	53.6 PK	68.2	-14.6	2.22 V	26	36.1	17.5

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)	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.0 PK	74.0	-9.0	1.42 H	189	55.4	9.6
2	5460.00	50.9 AV	54.0	-3.1	1.42 H	189	41.3	9.6
3	#5470.00	65.4 PK	68.2	-2.8	1.42 H	189	55.6	9.8
4	*5570.00	105.2 PK			1.42 H	189	95.6	9.6
5	*5570.00	91.2 AV			1.42 H	189	81.6	9.6
6	#5725.00	64.2 PK	68.2	-4.0	1.42 H	189	55.2	9.0
7	11140.00	52.2 PK	74.0	-21.8	1.18 H	236	32.8	19.4
8	11140.00	39.3 AV	54.0	-14.7	1.18 H	236	19.9	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.4 PK	74.0	-8.6	1.80 V	91	55.8	9.6
2	5460.00	51.3 AV	54.0	-2.7	1.80 V	91	41.7	9.6
3	#5470.00	65.8 PK	68.2	-2.4	1.80 V	91	56.0	9.8
4	*5570.00	106.7 PK			1.80 V	91	97.1	9.6
5	*5570.00	93.0 AV			1.80 V	91	83.4	9.6
6	#5725.00	64.6 PK	68.2	-3.6	1.80 V	91	55.6	9.0
7	11140.00	52.6 PK	74.0	-21.4	1.31 V	195	33.2	19.4
8	11140.00	39.7 AV	54.0	-14.3	1.31 V	195	20.3	19.4

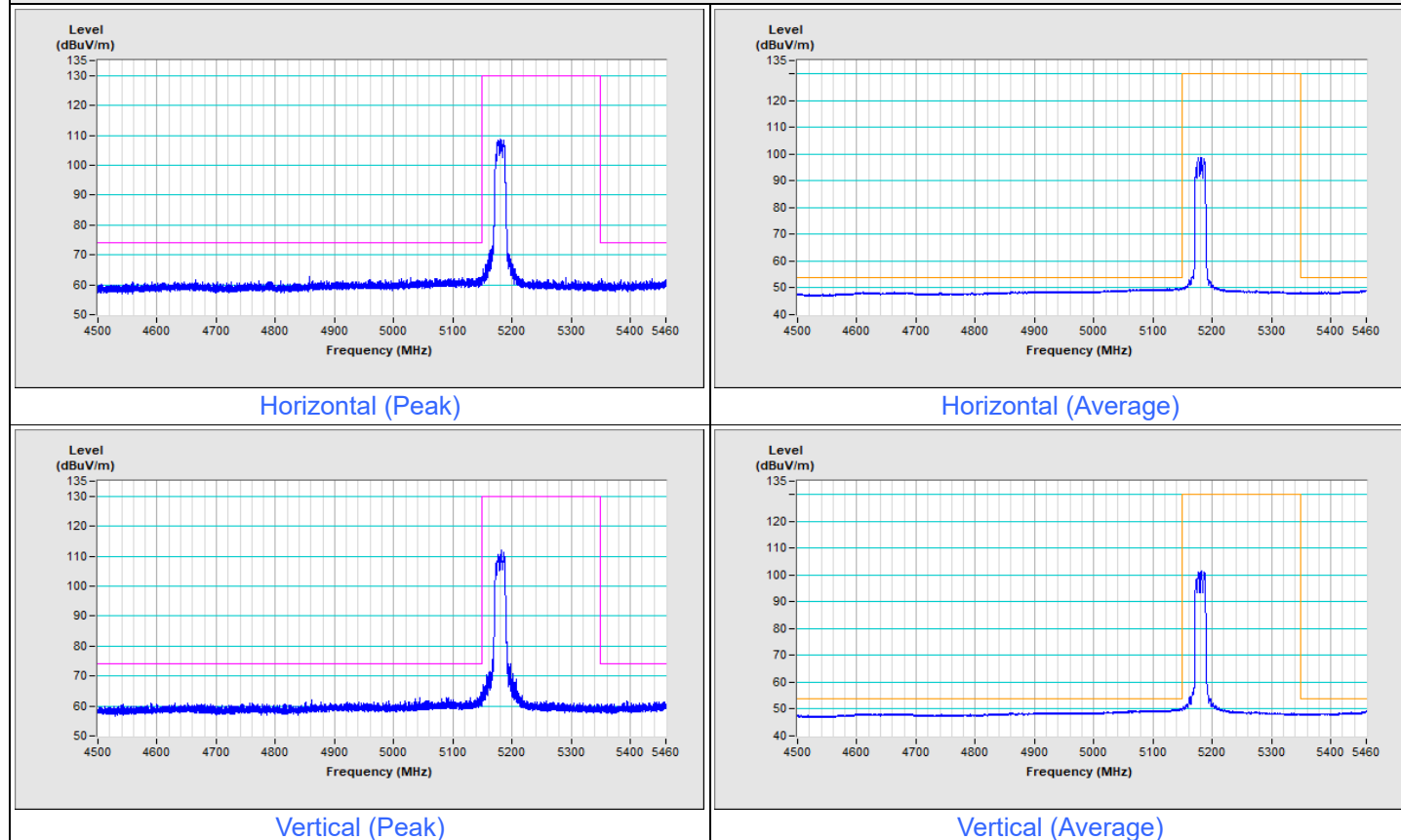
Remarks:

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

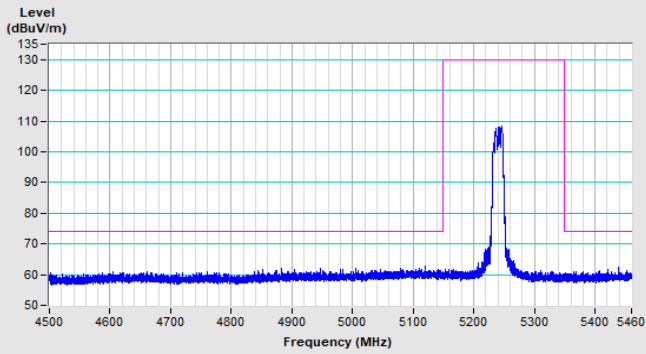
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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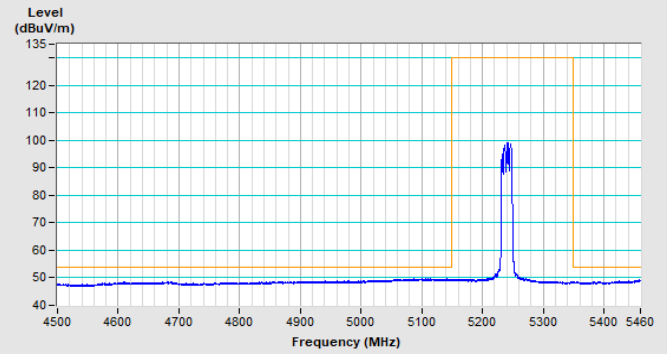
802.11a Channel 36



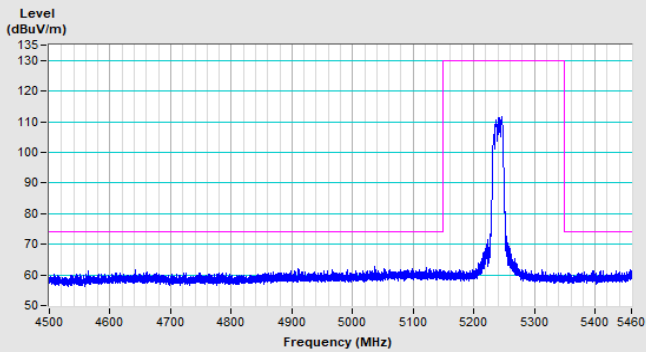
802.11a Channel 48



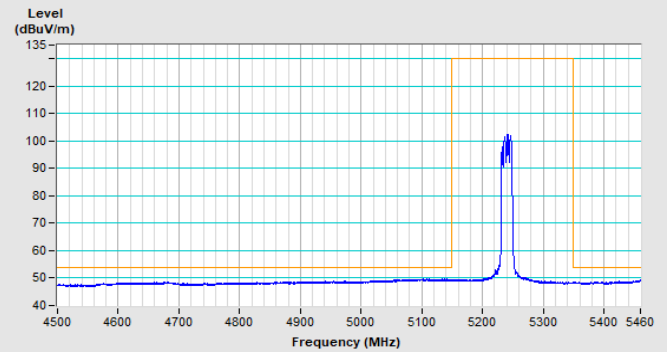
Horizontal (Peak)



Horizontal (Average)

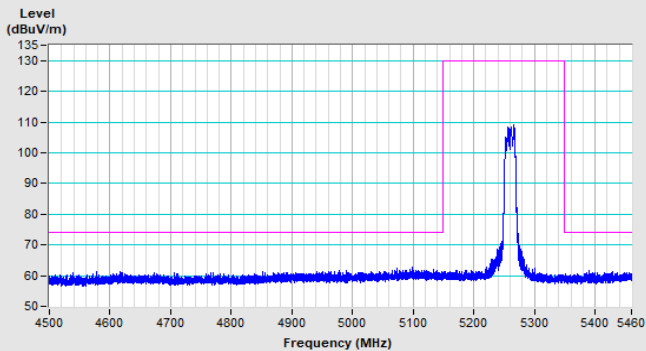


Vertical (Peak)

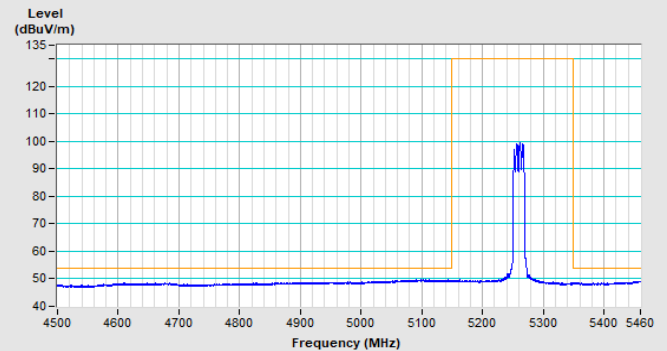


Vertical (Average)

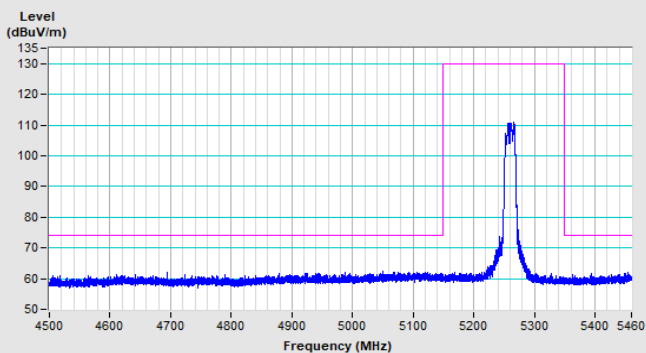
802.11a Channel 52



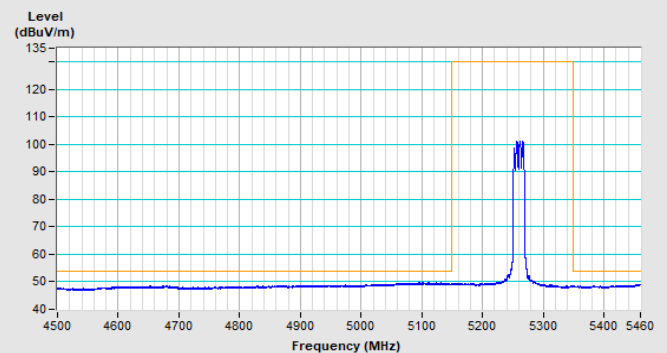
Horizontal (Peak)



Horizontal (Average)

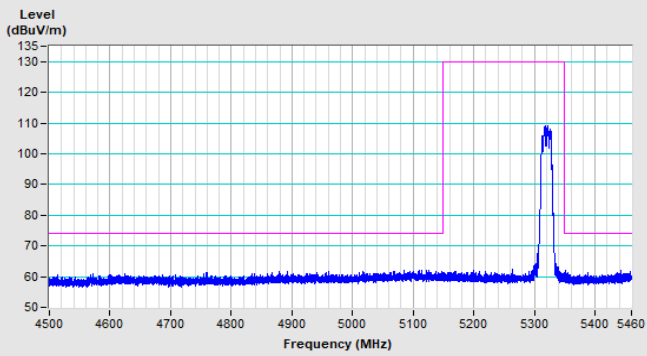


Vertical (Peak)

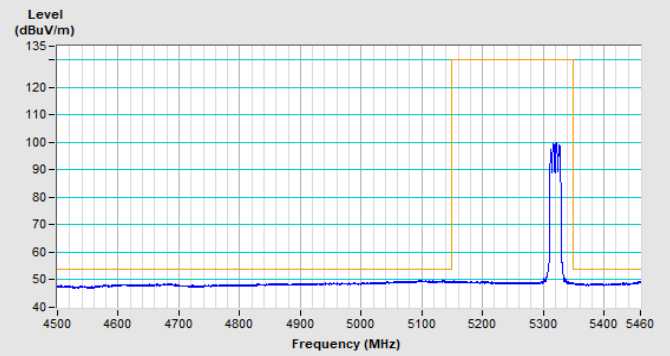


Vertical (Average)

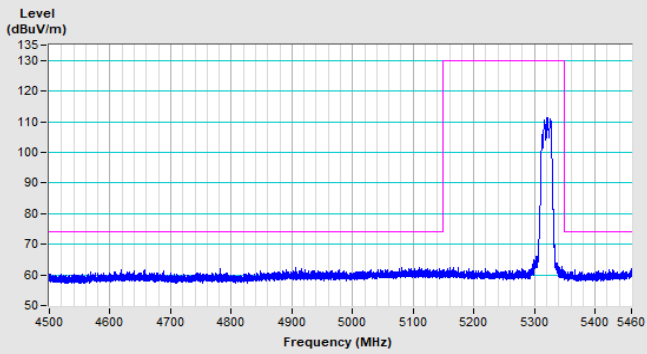
802.11a Channel 64



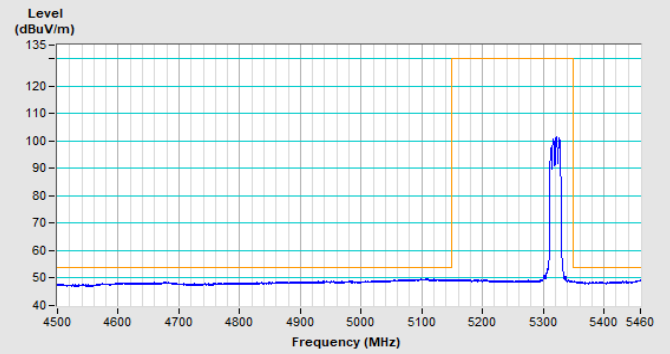
Horizontal (Peak)



Horizontal (Average)



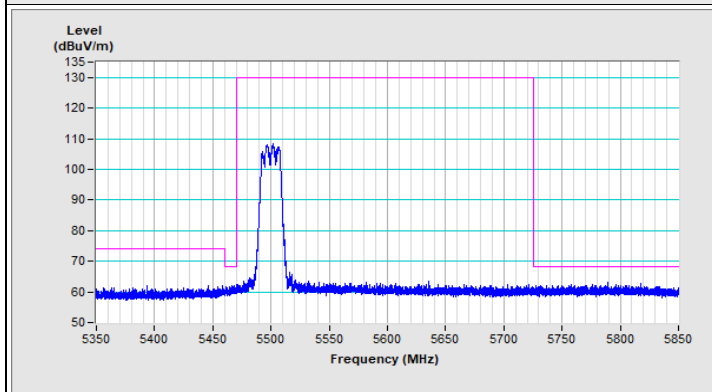
Vertical (Peak)



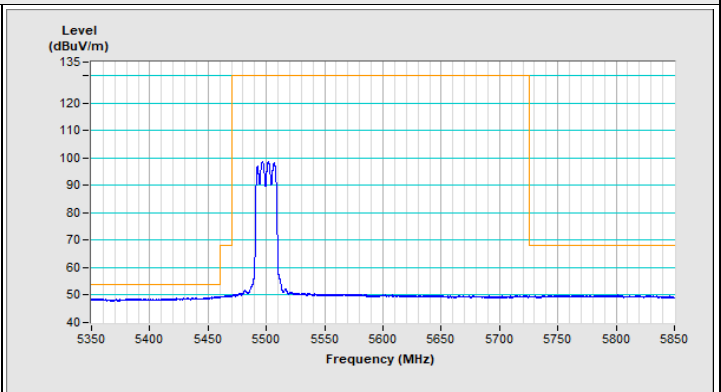
Vertical (Average)

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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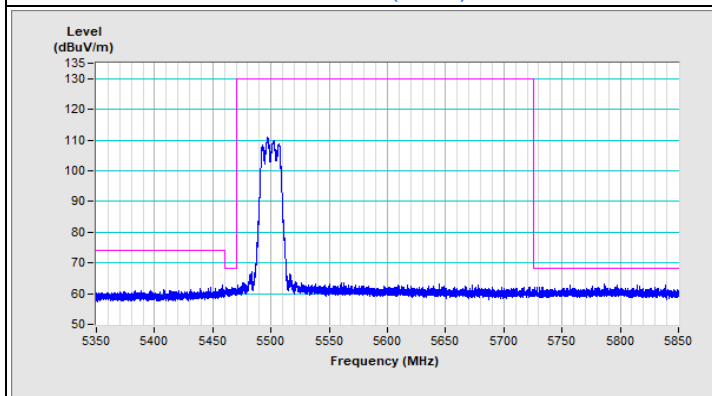
802.11a Channel 100



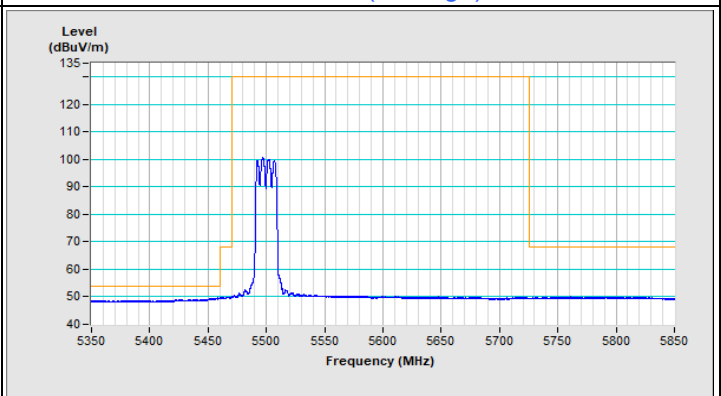
Horizontal (Peak)



Horizontal (Average)

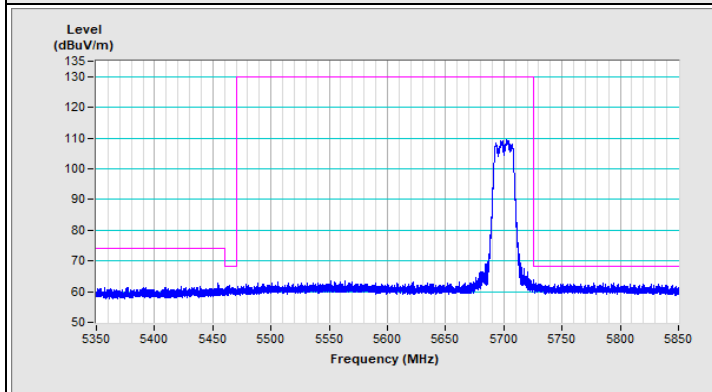


Vertical (Peak)

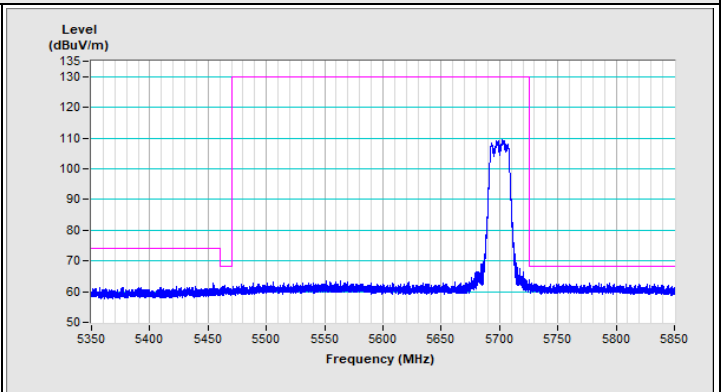


Vertical (Average)

802.11a Channel 140



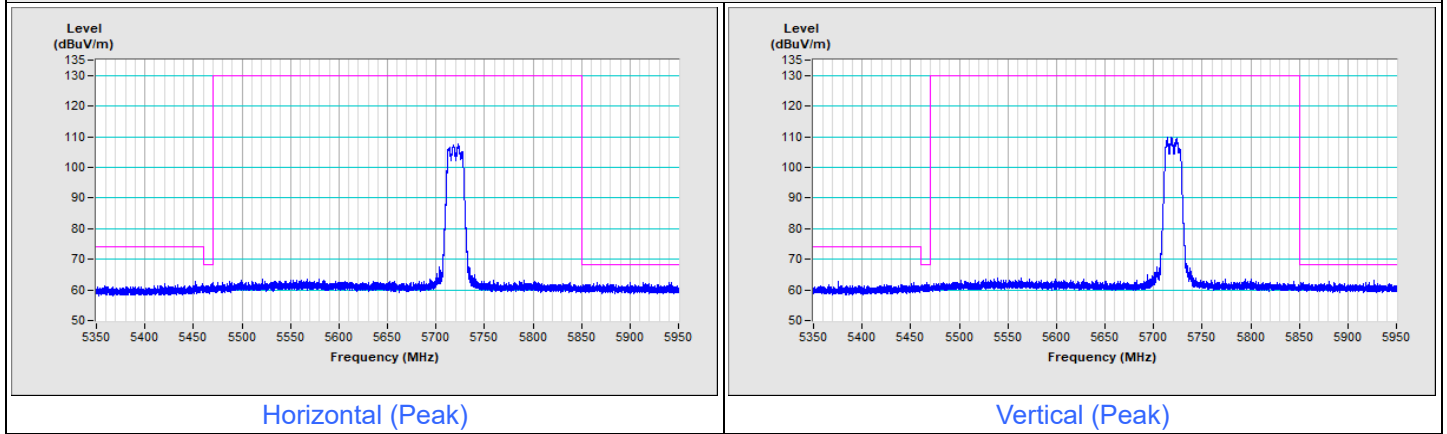
Horizontal (Peak)



Vertical (Peak)

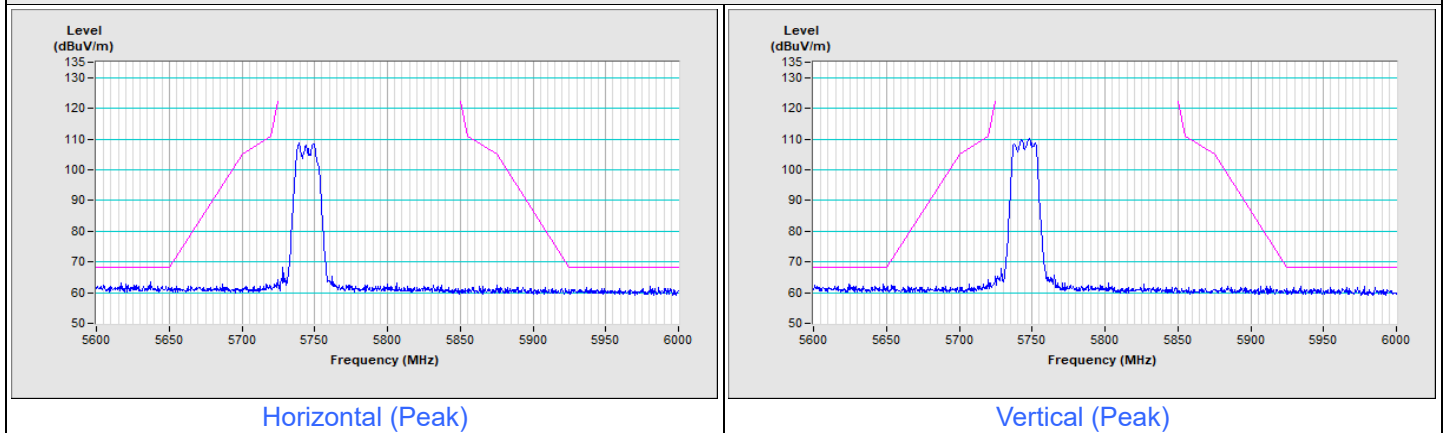
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

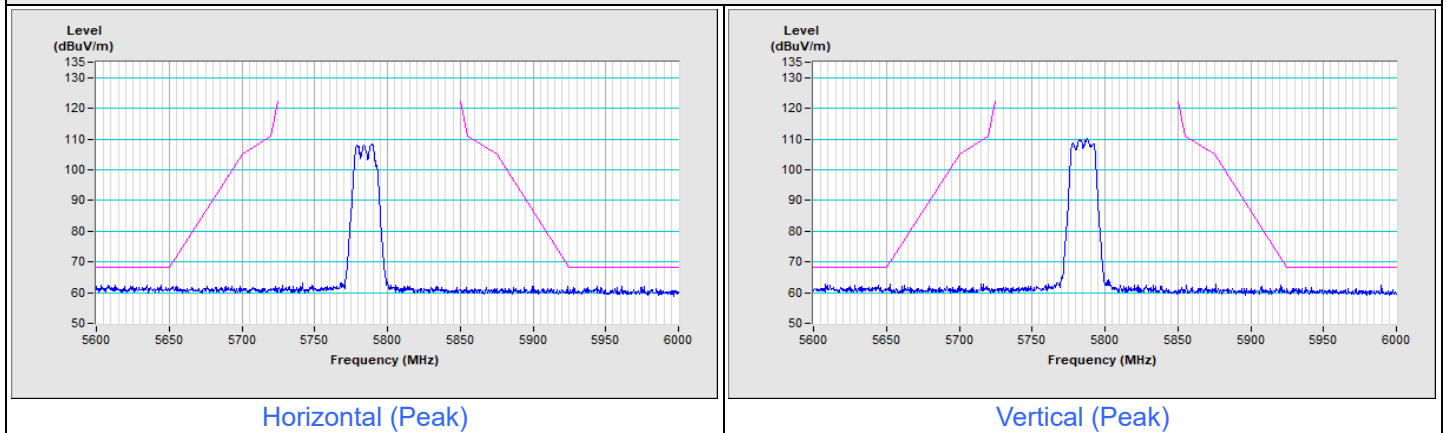


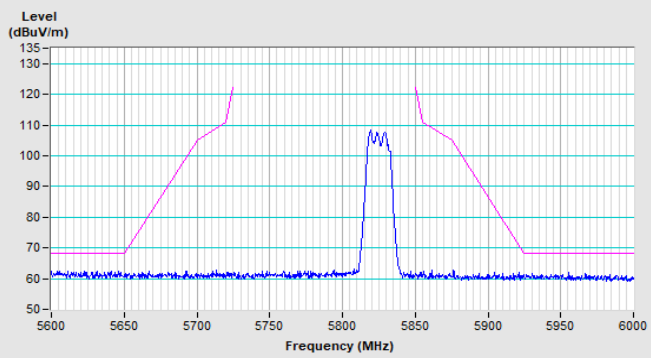
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 149

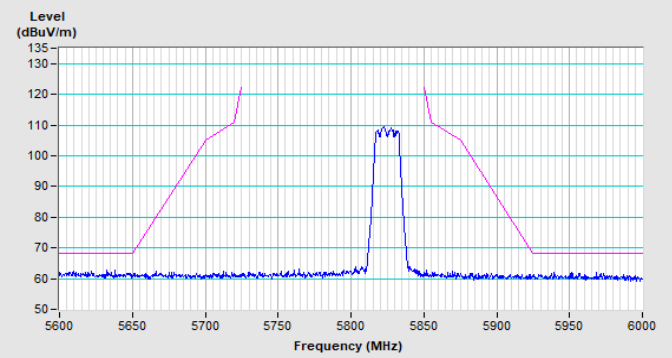


802.11a Channel 157



802.11a Channel 165

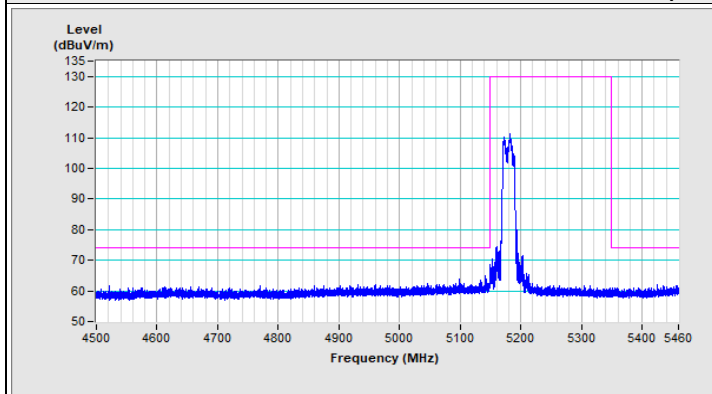
Horizontal (Peak)



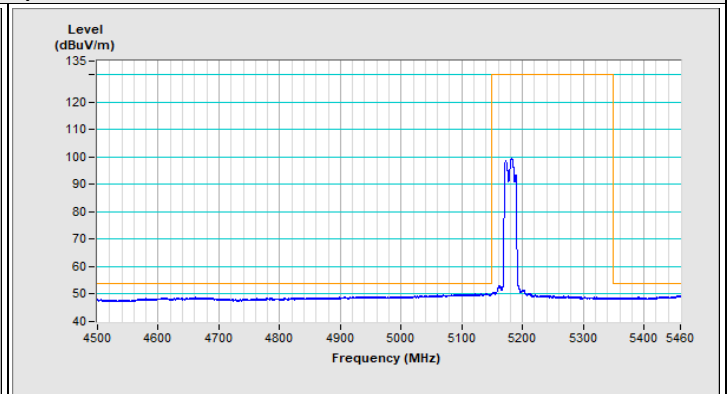
Vertical (Peak)

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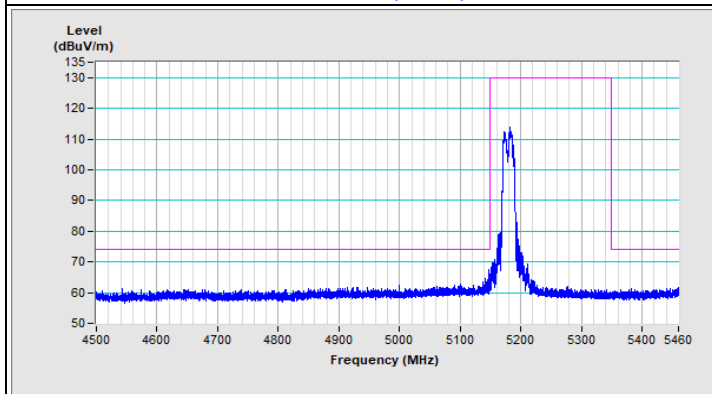
802.11ax (HE20) Channel 36



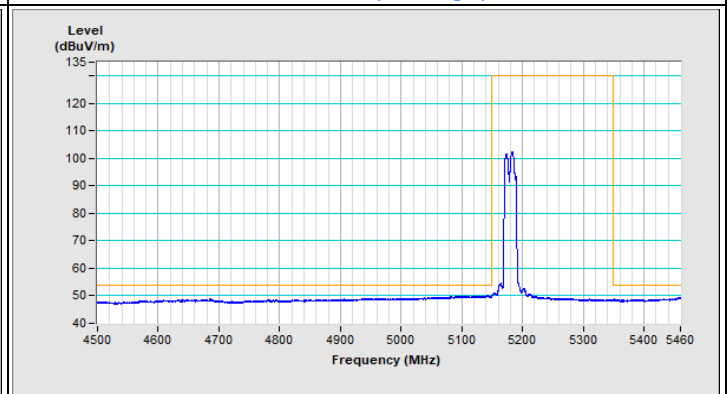
Horizontal (Peak)



Horizontal (Average)

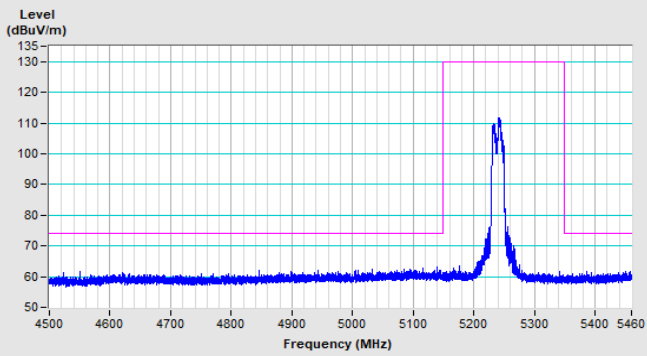


Vertical (Peak)

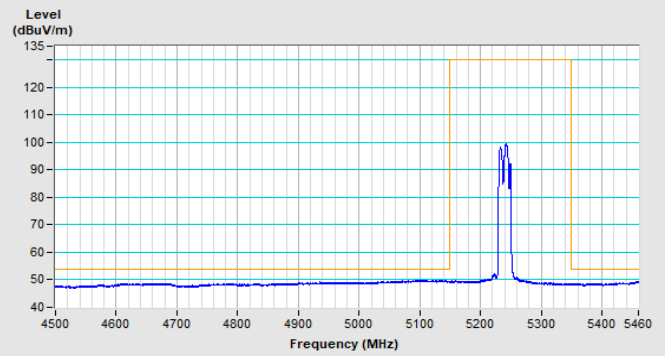


Vertical (Average)

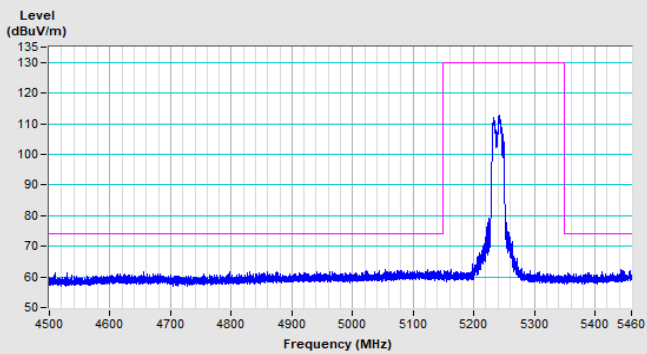
802.11ax (HE20) Channel 48



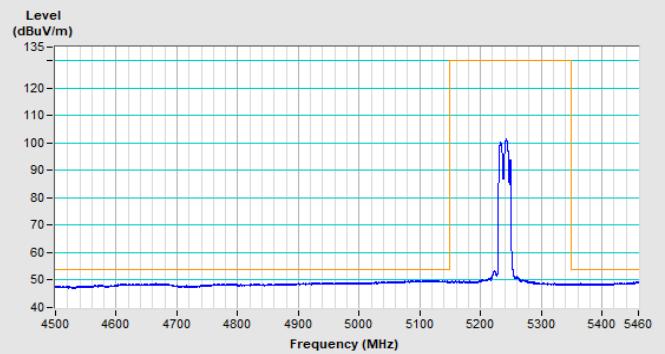
Horizontal (Peak)



Horizontal (Average)

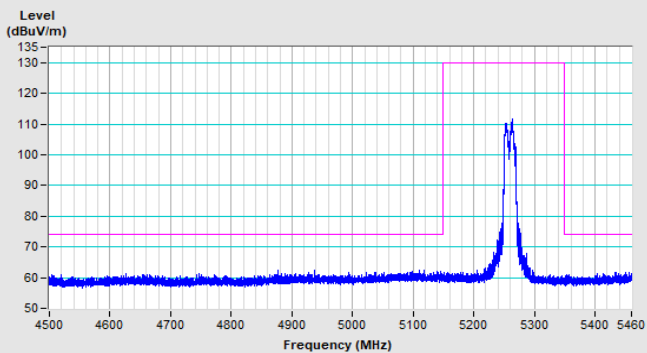


Vertical (Peak)

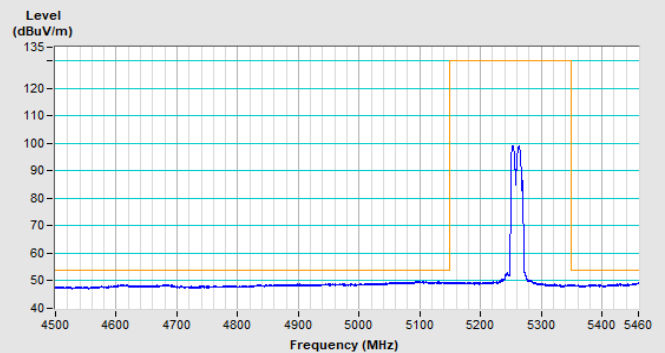


Vertical (Average)

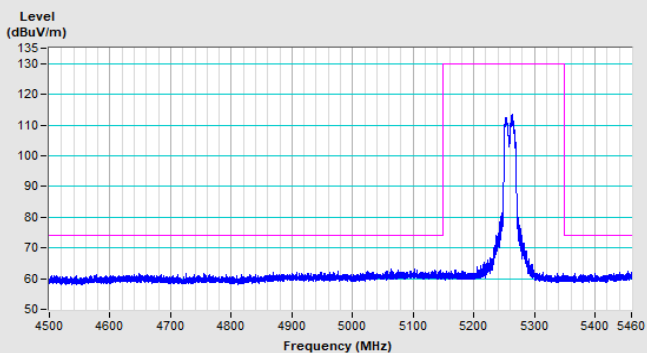
802.11ax (HE20) Channel 52



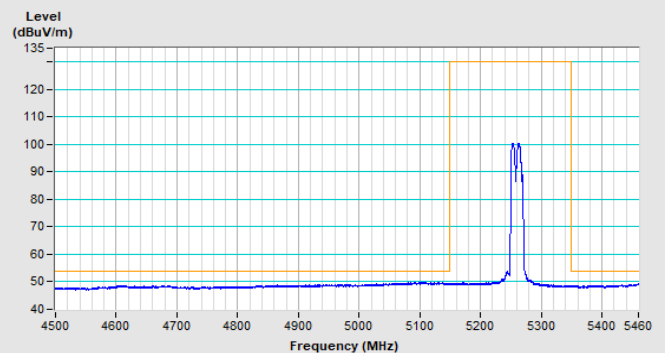
Horizontal (Peak)



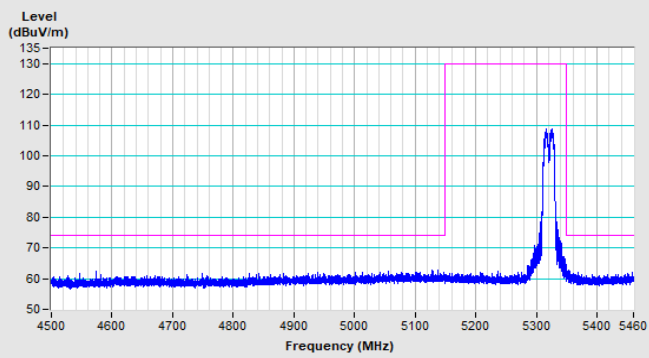
Horizontal (Average)



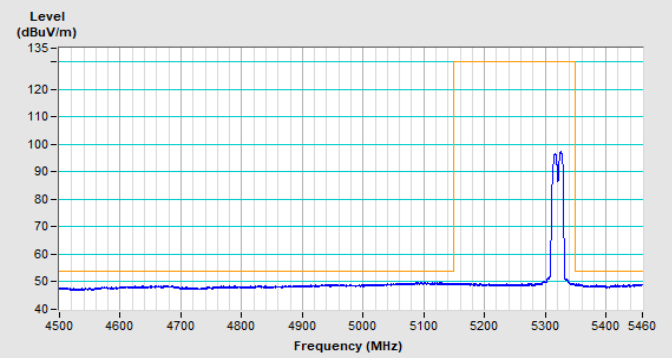
Vertical (Peak)



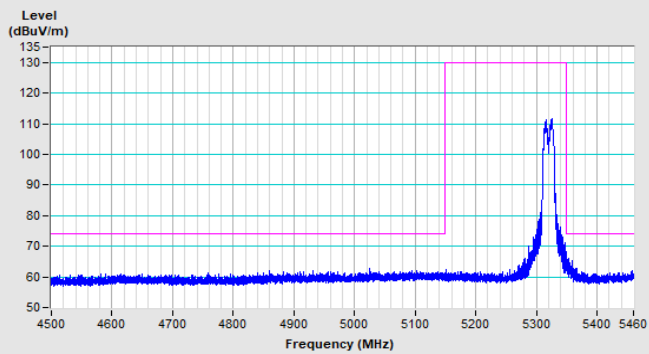
Vertical (Average)

802.11ax (HE20) Channel 64

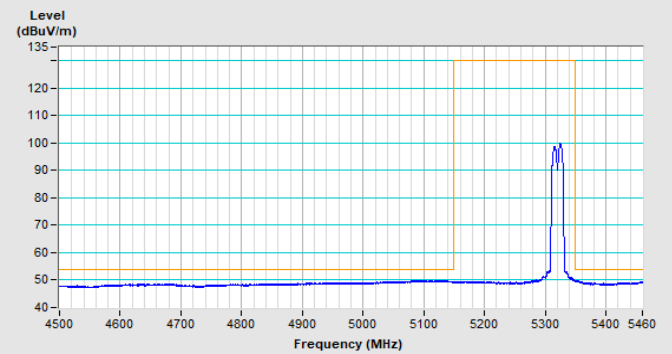
Horizontal (Peak)



Horizontal (Average)



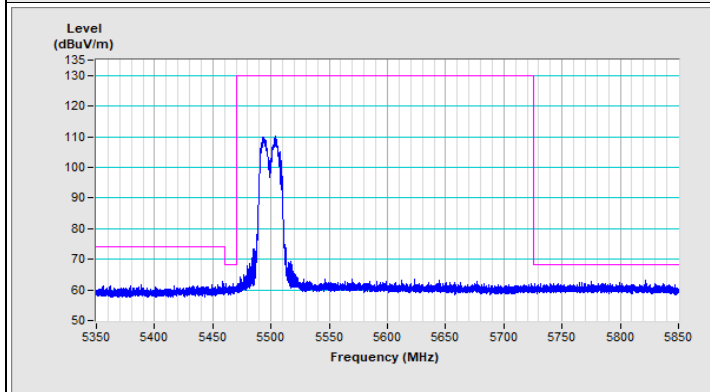
Vertical (Peak)



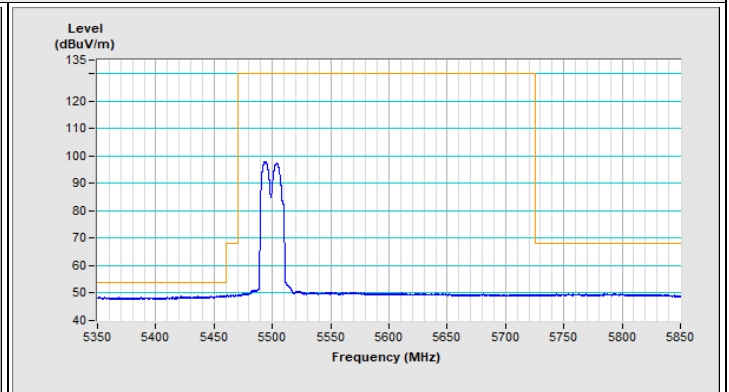
Vertical (Average)

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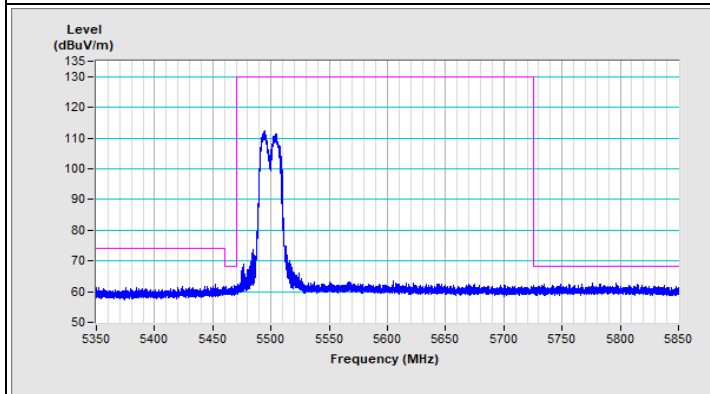
802.11ax (HE20) Channel 100



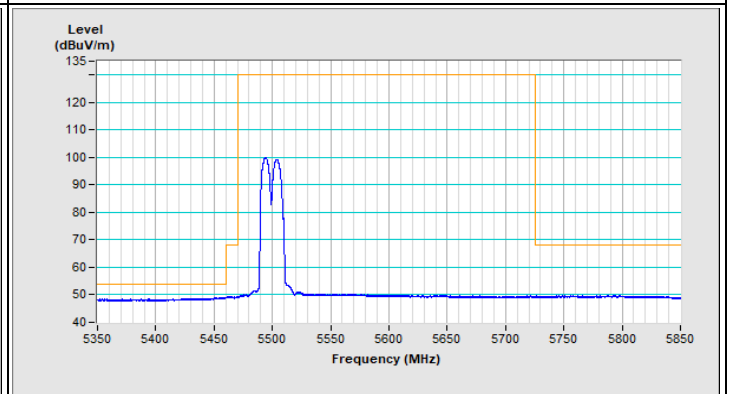
Horizontal (Peak)



Horizontal (Average)

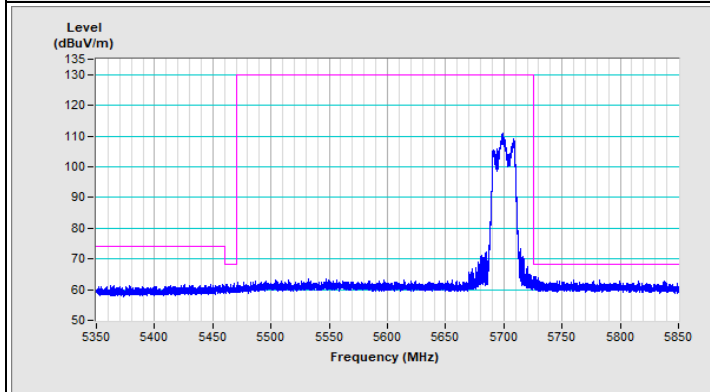


Vertical (Peak)

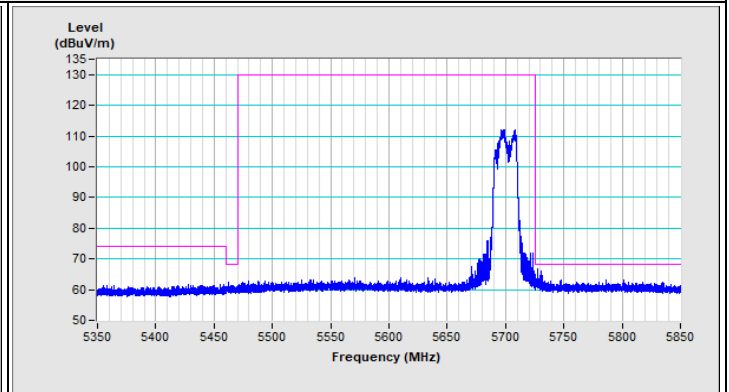


Vertical (Average)

802.11ax (HE20) Channel 140



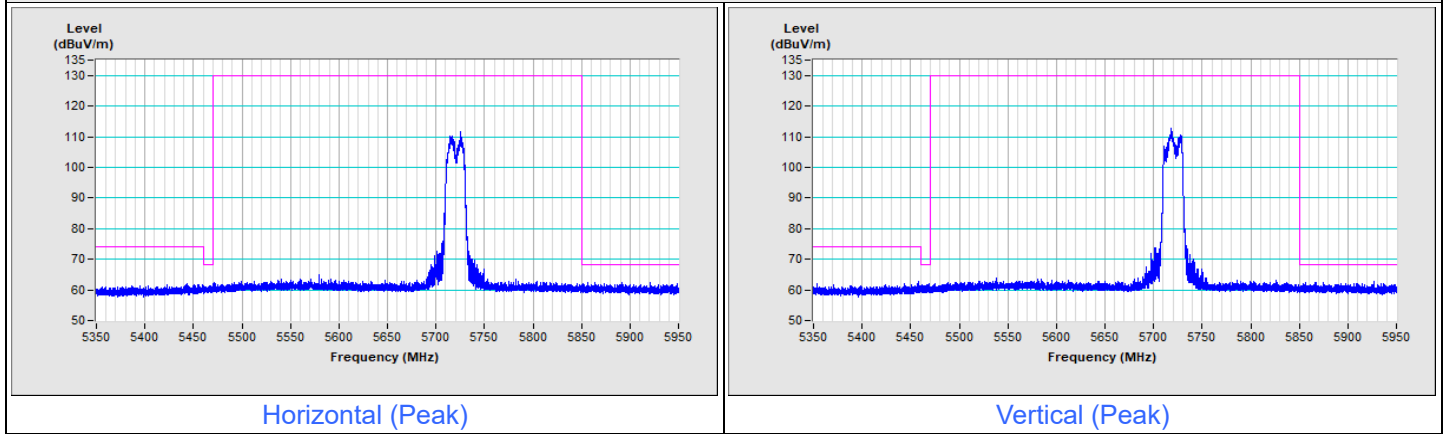
Horizontal (Peak)



Vertical (Peak)

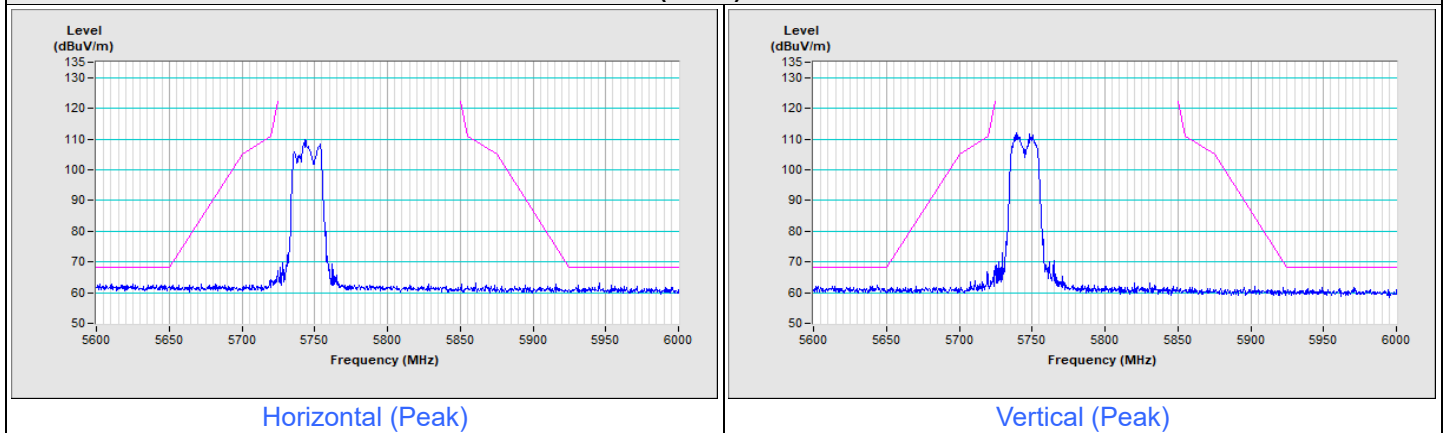
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Channel 144

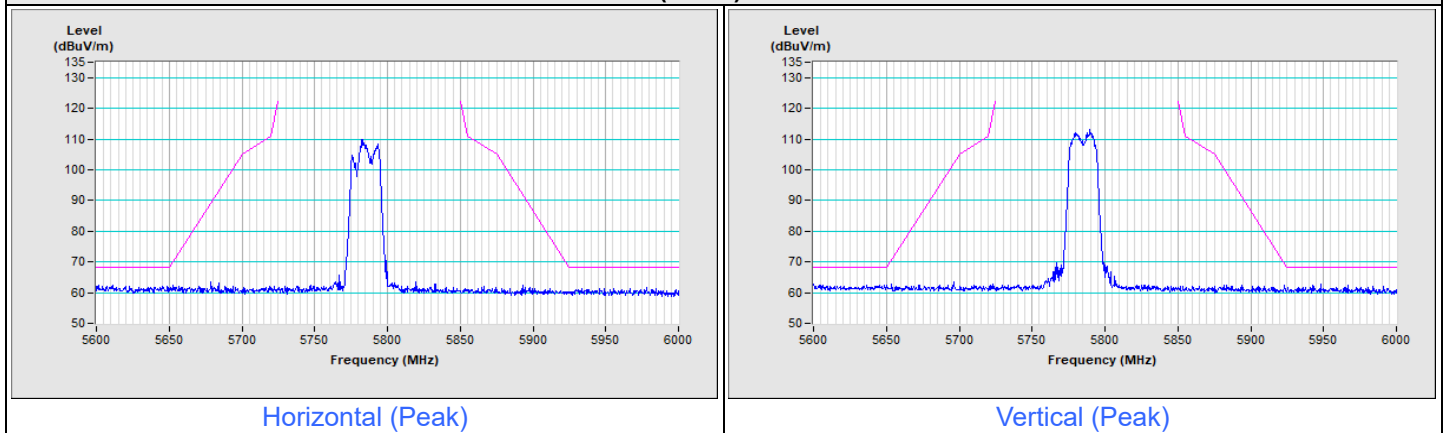


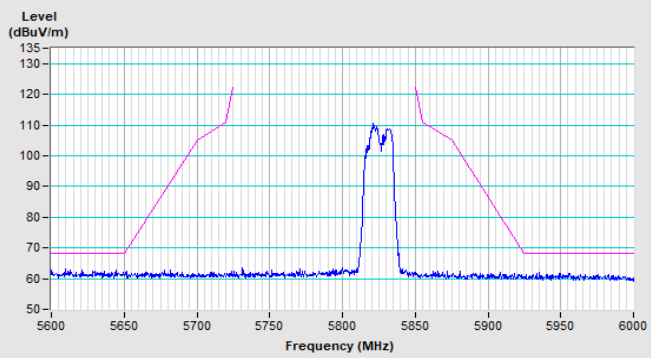
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Channel 149

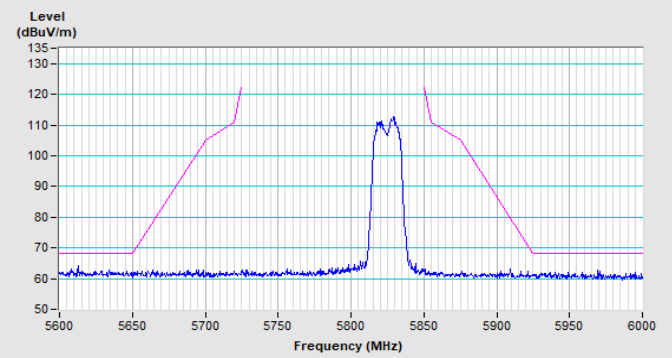


802.11ax (HE20) Channel 157



802.11ax (HE20) Channel 165

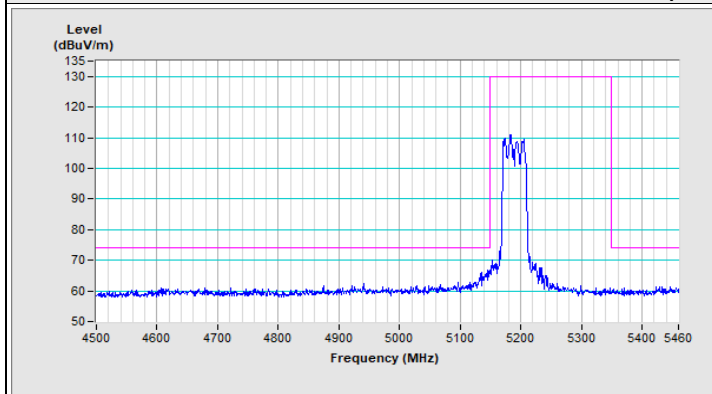
Horizontal (Peak)



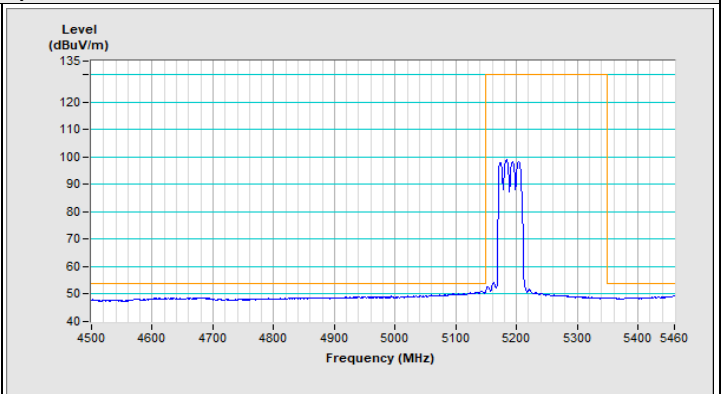
Vertical (Peak)

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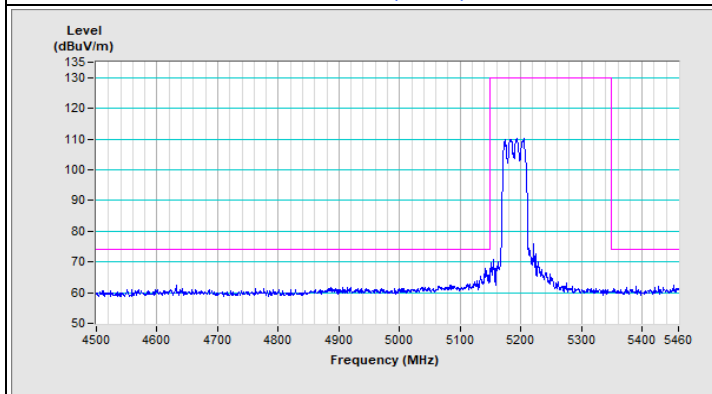
802.11ax (HE40) Channel 38



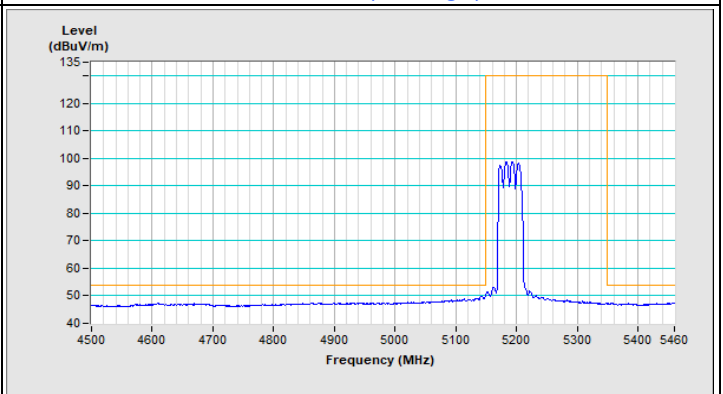
Horizontal (Peak)



Horizontal (Average)

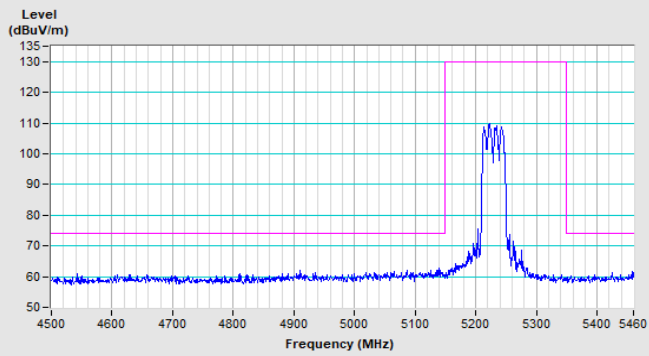


Vertical (Peak)

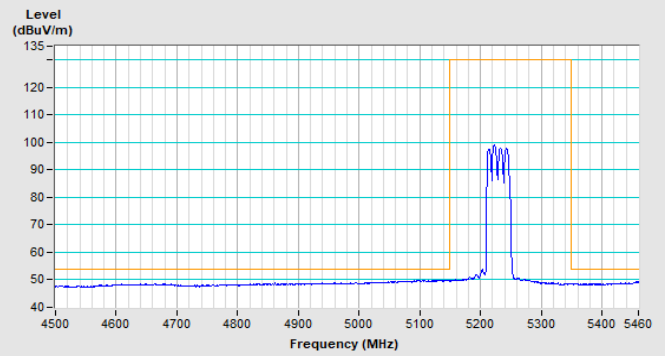


Vertical (Average)

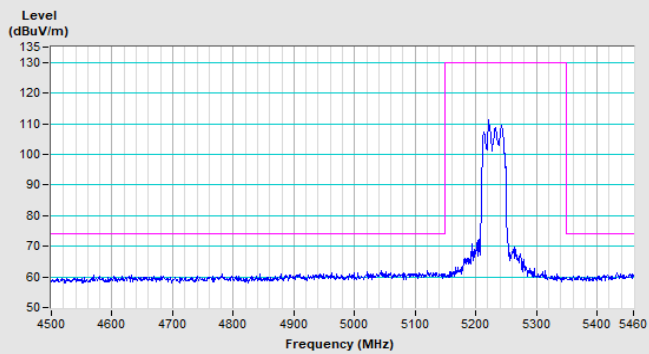
802.11ax (HE40) Channel 46



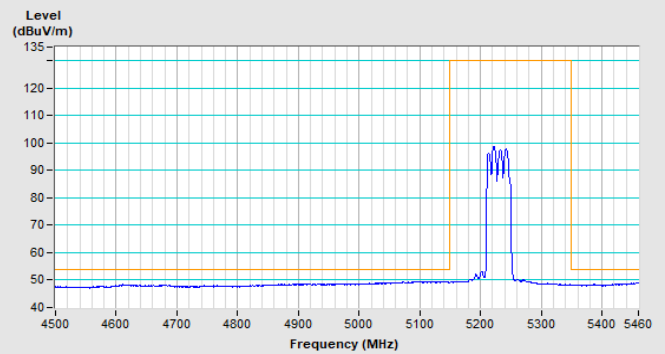
Horizontal (Peak)



Horizontal (Average)

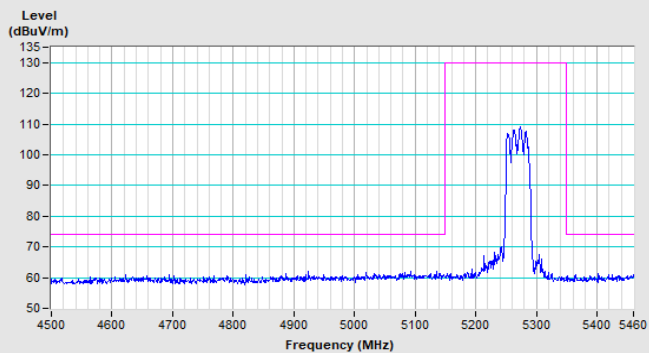


Vertical (Peak)

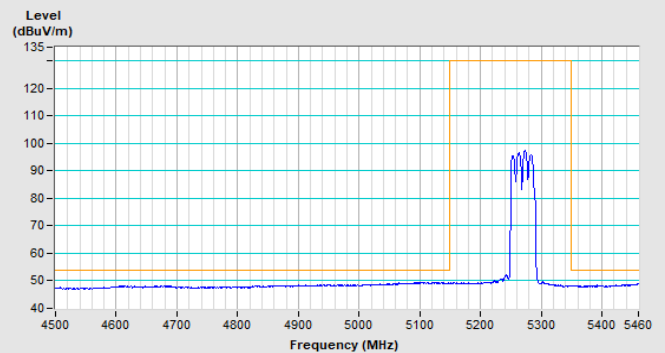


Vertical (Average)

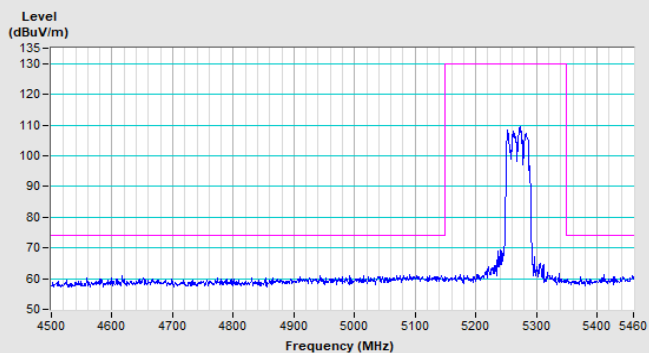
802.11ax (HE40) Channel 54



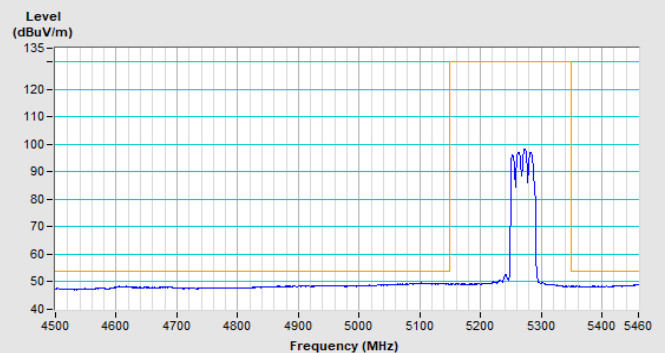
Horizontal (Peak)



Horizontal (Average)

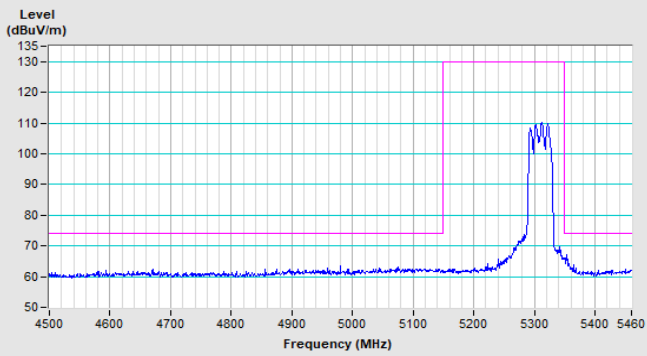


Vertical (Peak)

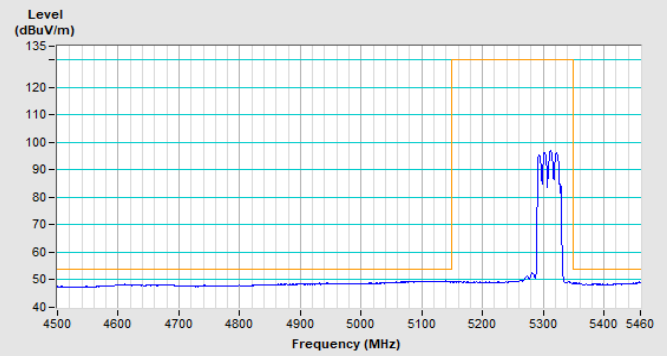


Vertical (Average)

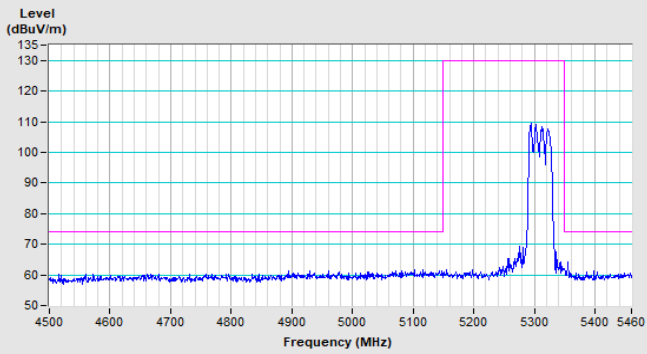
802.11ax (HE40) Channel 62



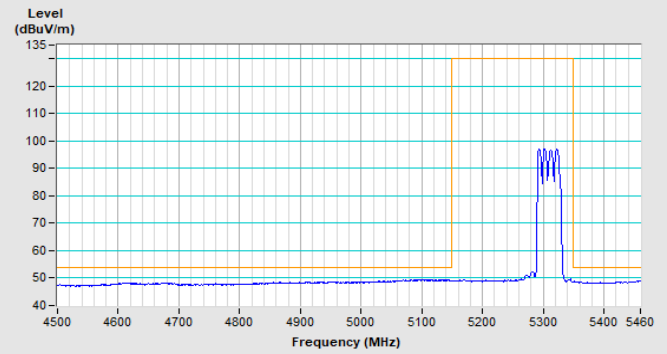
Horizontal (Peak)



Horizontal (Average)



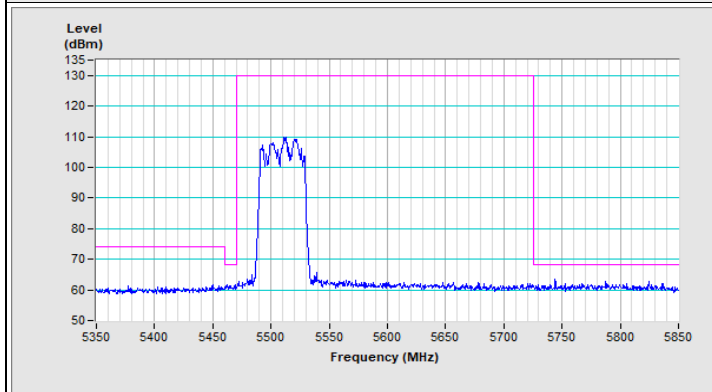
Vertical (Peak)



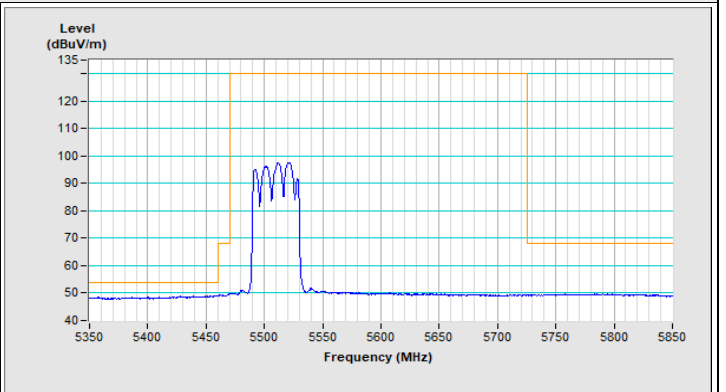
Vertical (Average)

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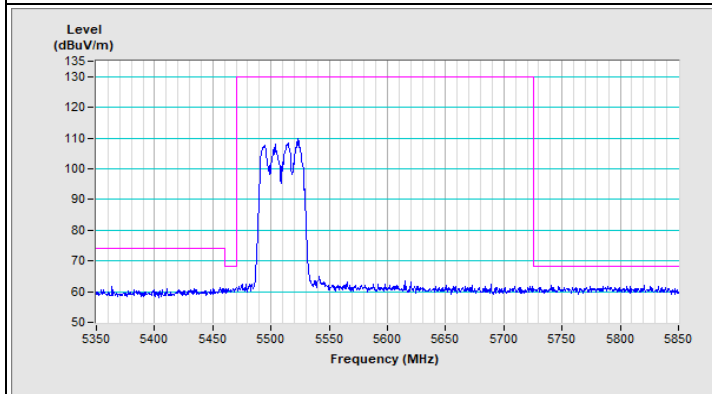
802.11ax (HE40) Channel 102



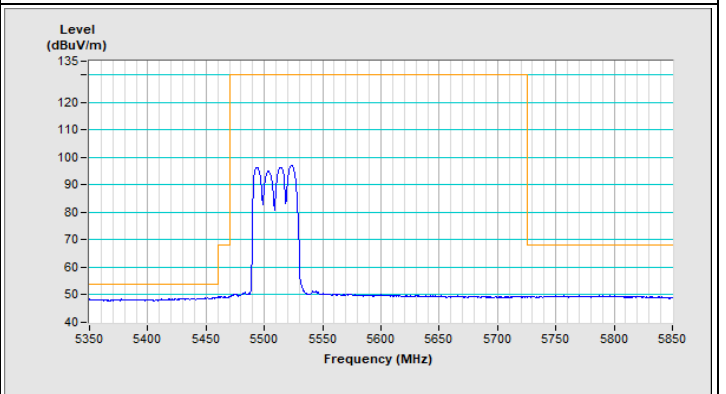
Horizontal (Peak)



Horizontal (Average)

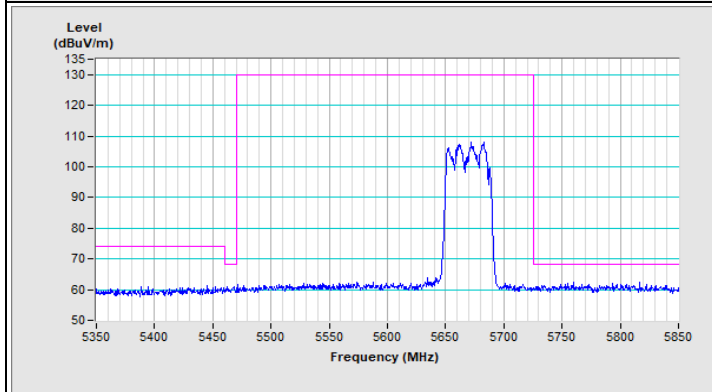


Vertical (Peak)

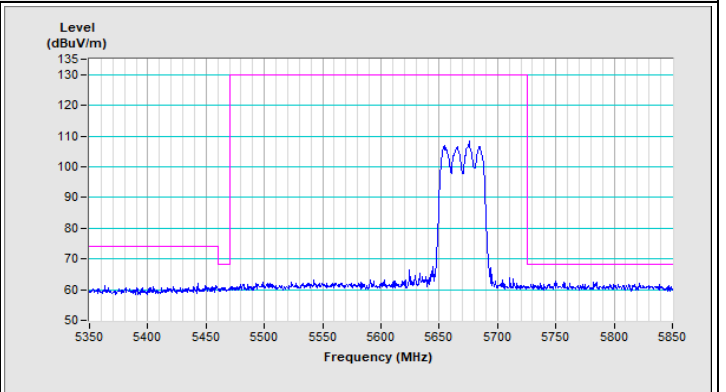


Vertical (Average)

802.11ax (HE40) Channel 134



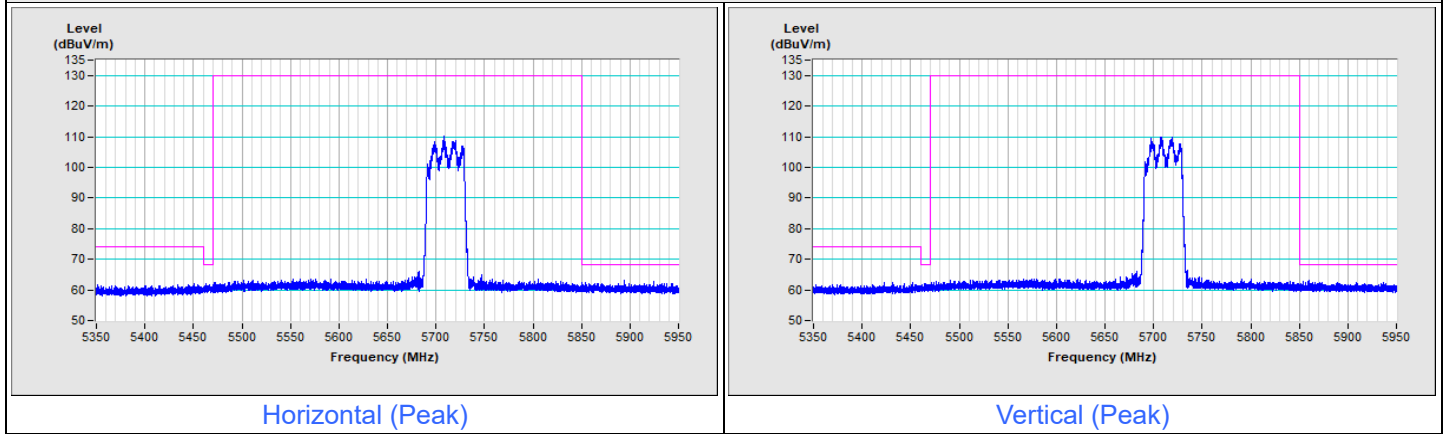
Horizontal (Peak)



Vertical (Peak)

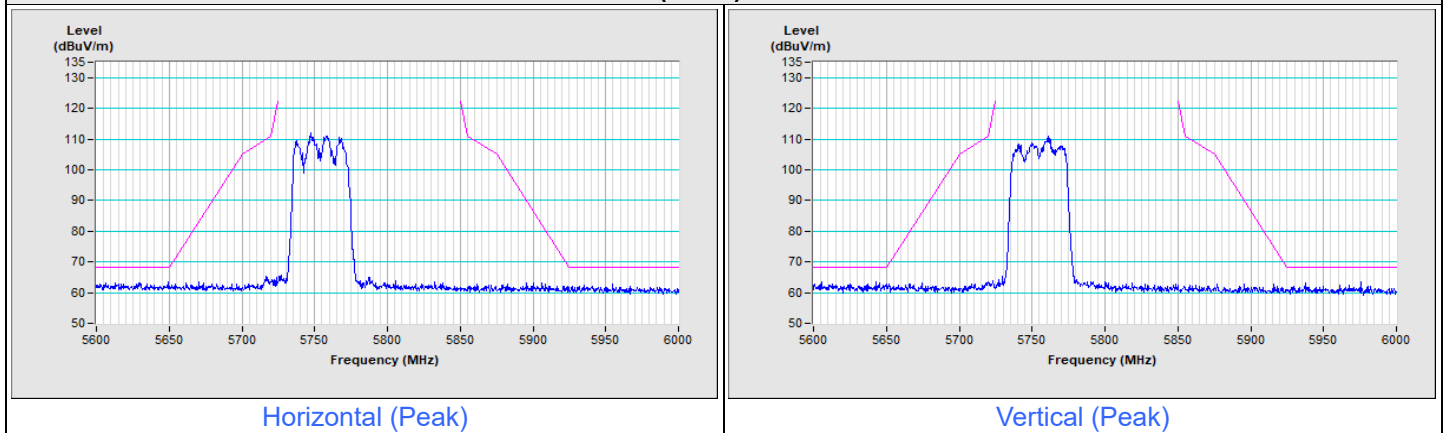
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 142

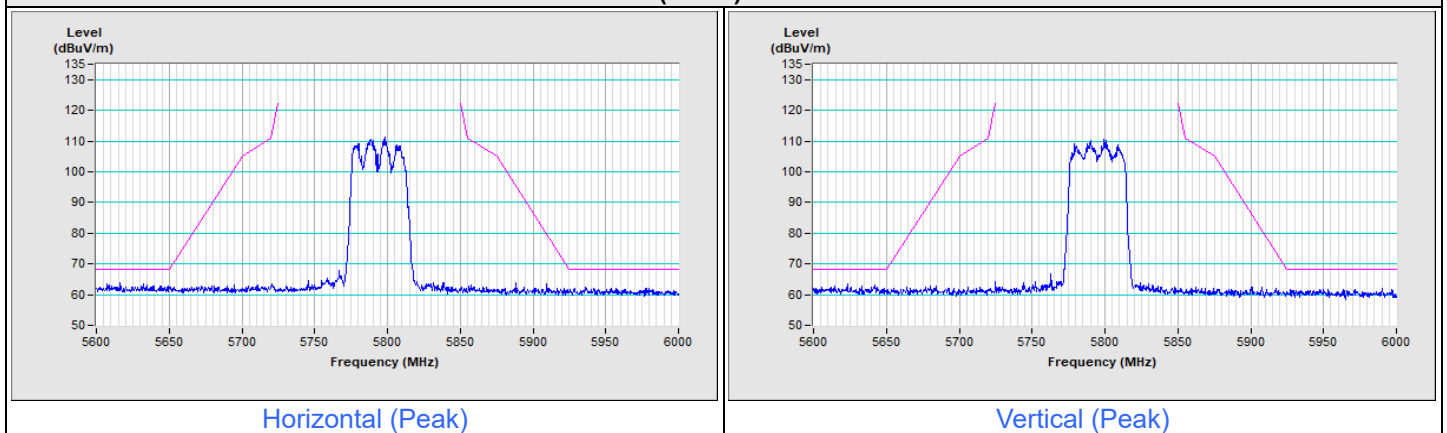


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

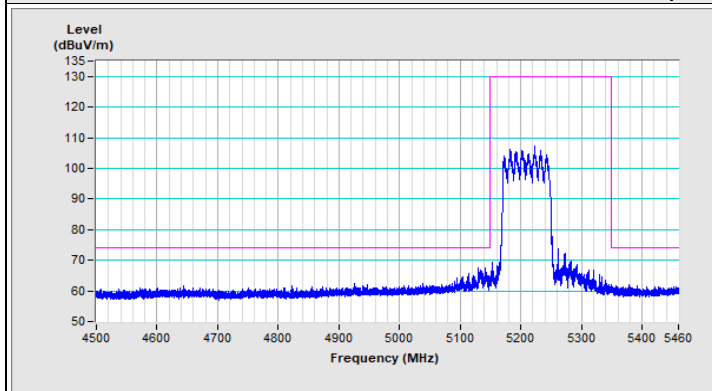


802.11ax (HE40) Channel 159

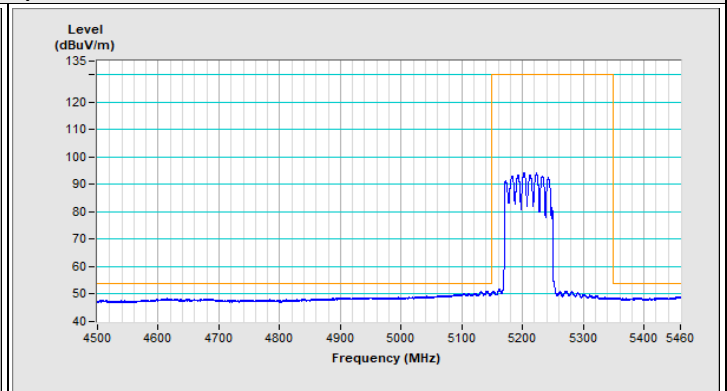


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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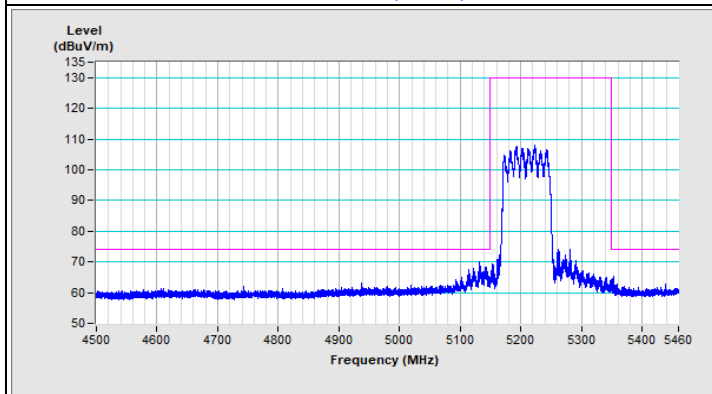
802.11ax (HE80) Channel 42



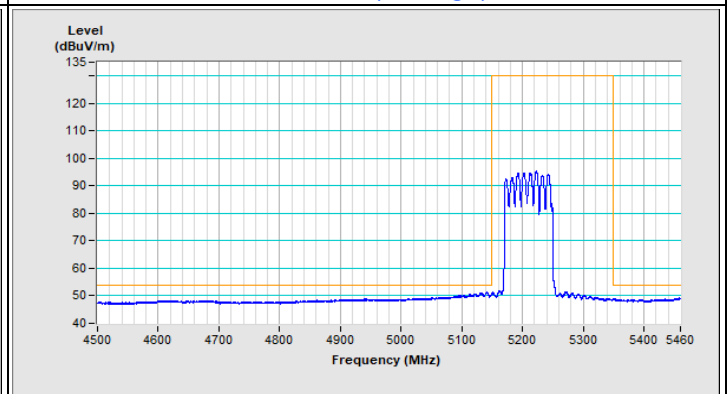
Horizontal (Peak)



Horizontal (Average)

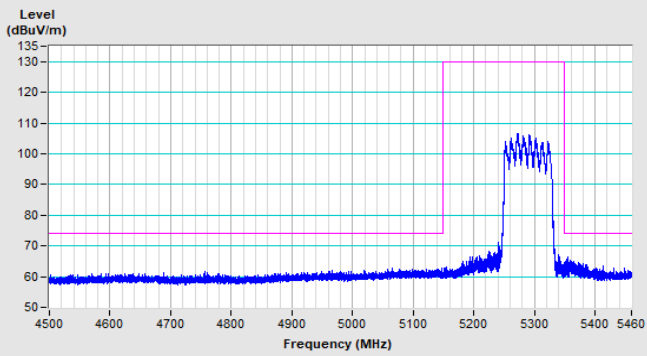


Vertical (Peak)

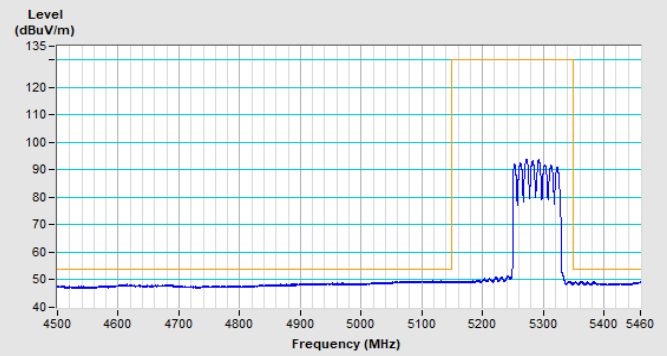


Vertical (Average)

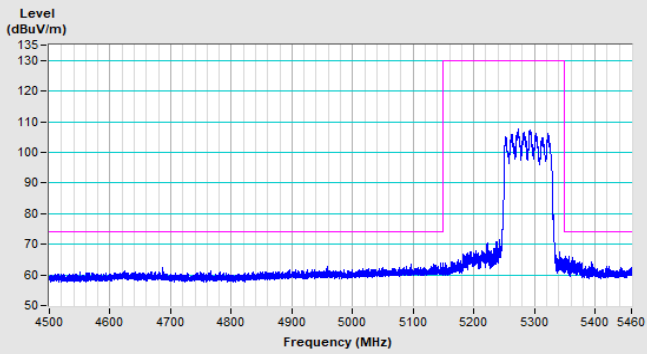
802.11ax (HE80) Channel 58



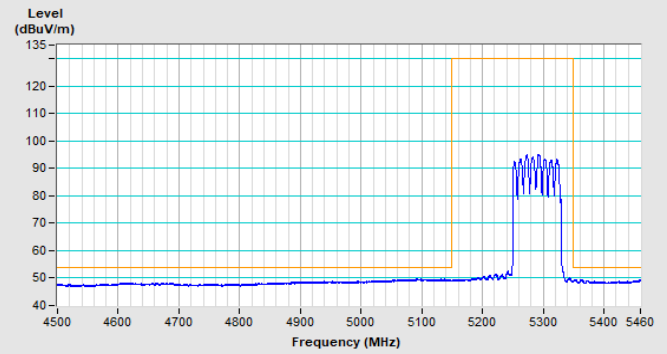
Horizontal (Peak)



Horizontal (Average)



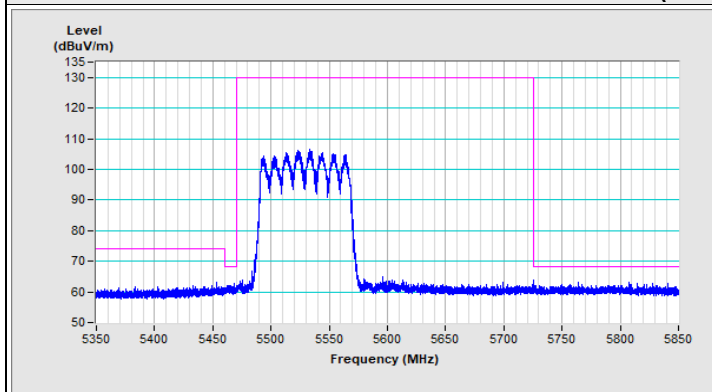
Vertical (Peak)



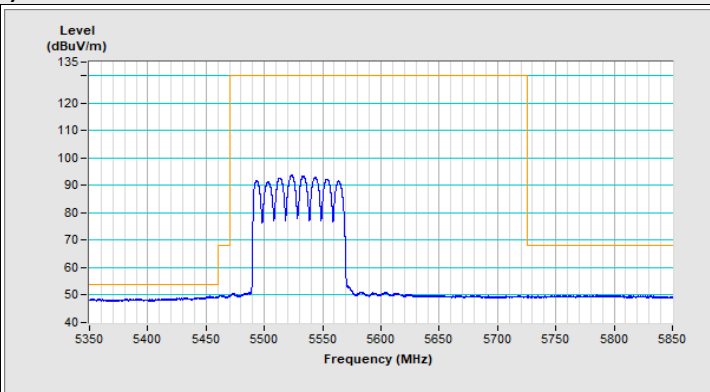
Vertical (Average)

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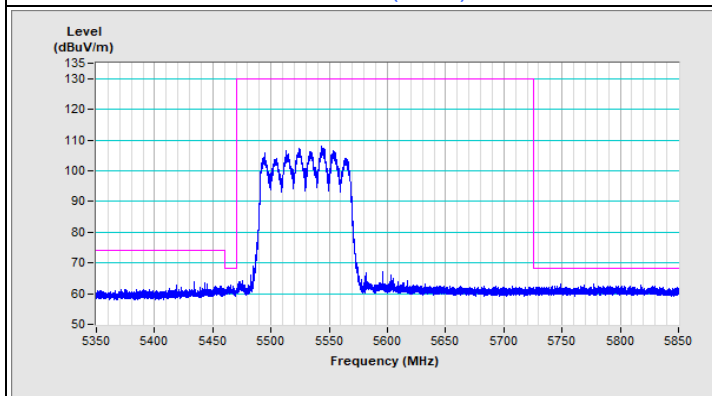
802.11ax (HE80) Channel 106



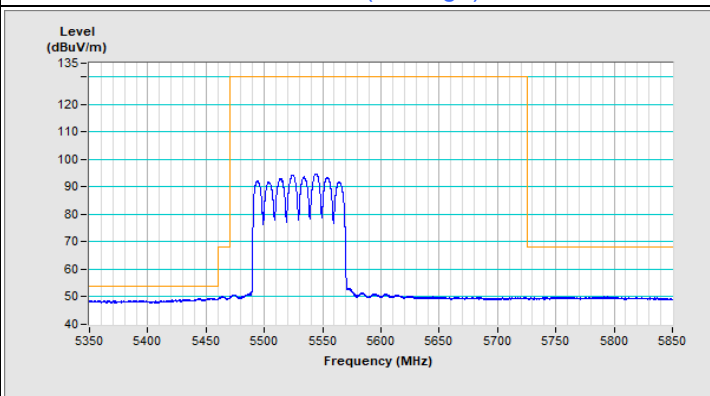
Horizontal (Peak)



Horizontal (Average)

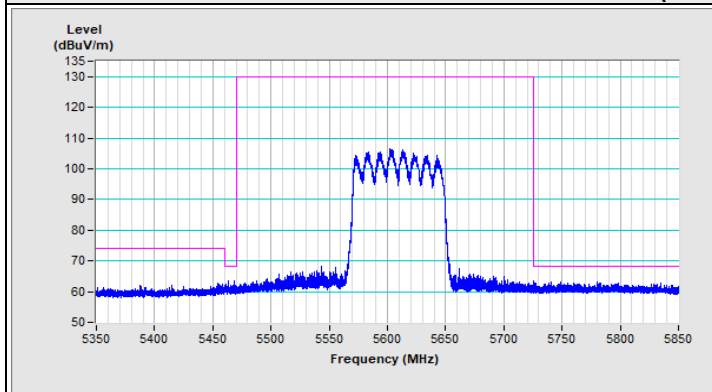


Vertical (Peak)

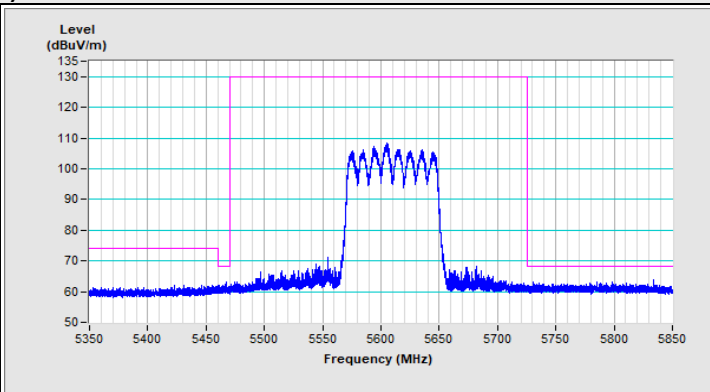


Vertical (Average)

802.11ax (HE80) Channel 122



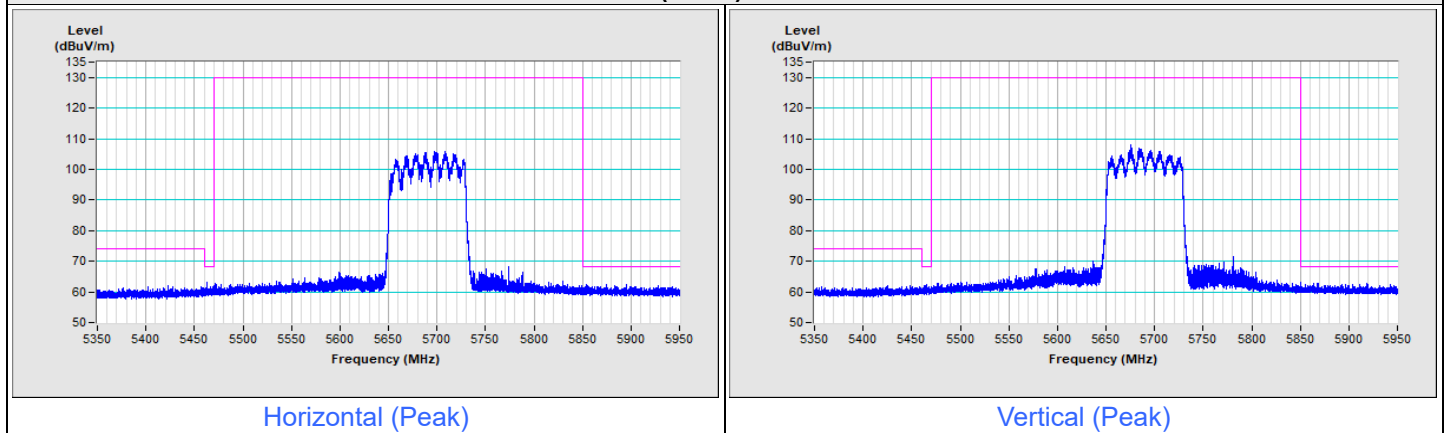
Horizontal (Peak)



Vertical (Peak)

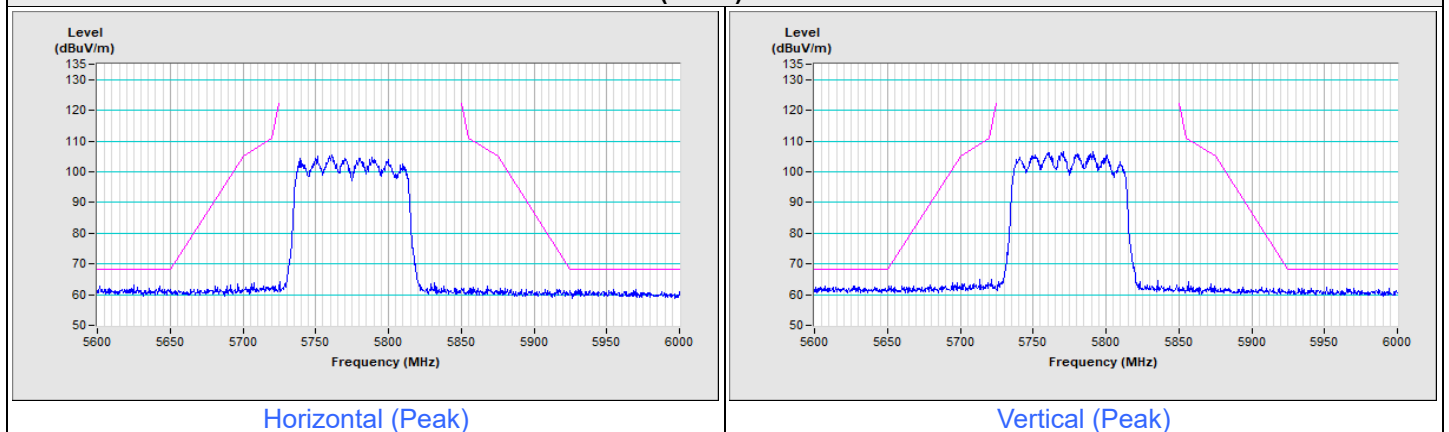
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 138



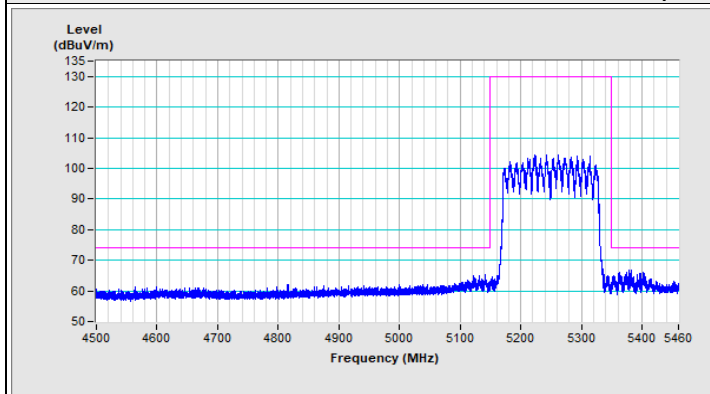
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 155

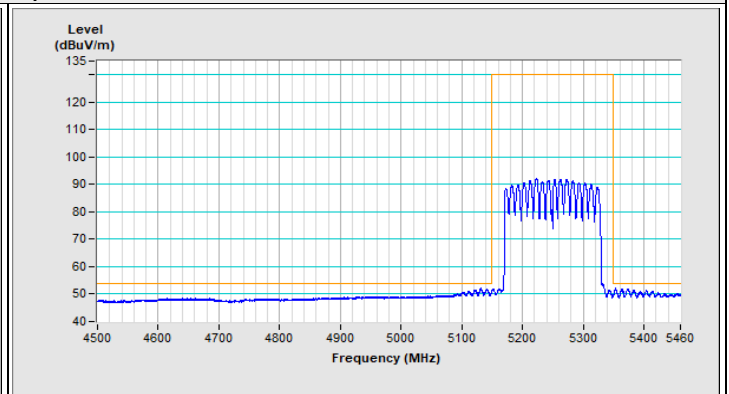


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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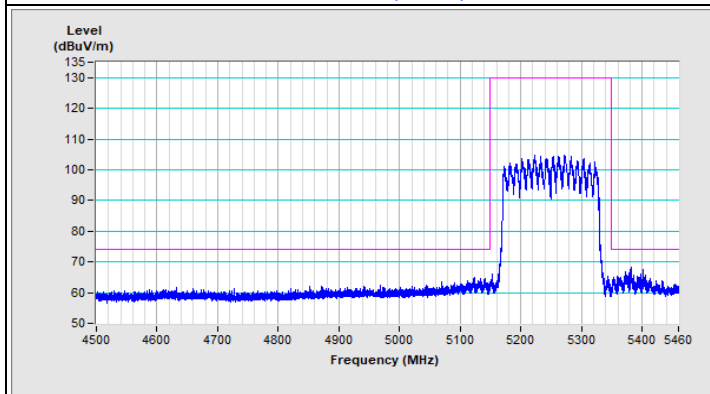
802.11ax (HE160) Channel 50



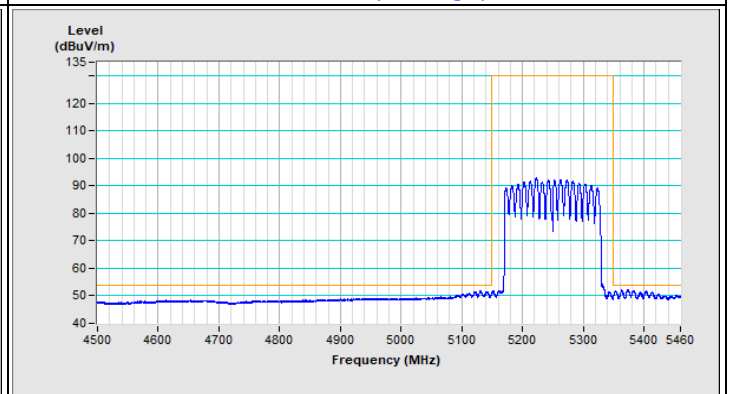
Horizontal (Peak)



Horizontal (Average)



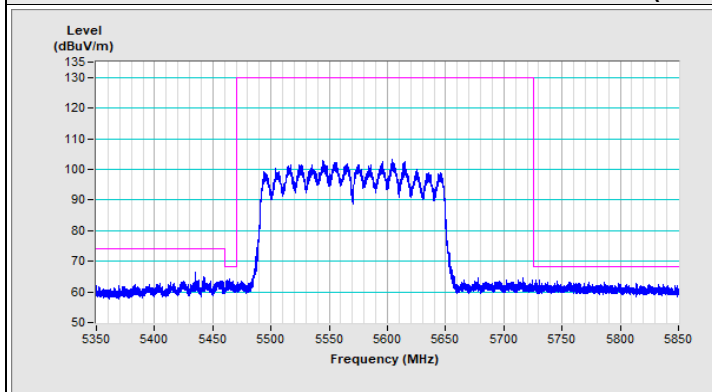
Vertical (Peak)



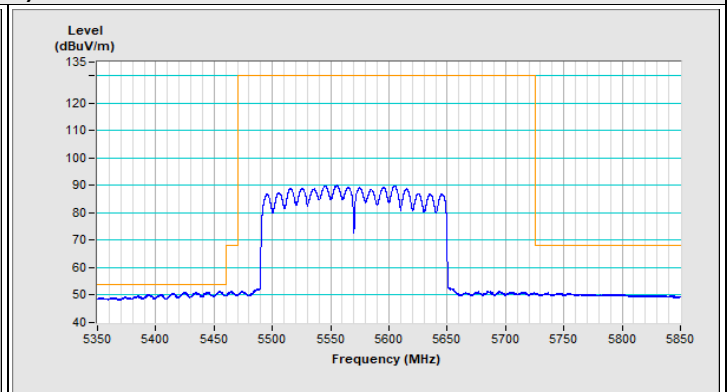
Vertical (Average)

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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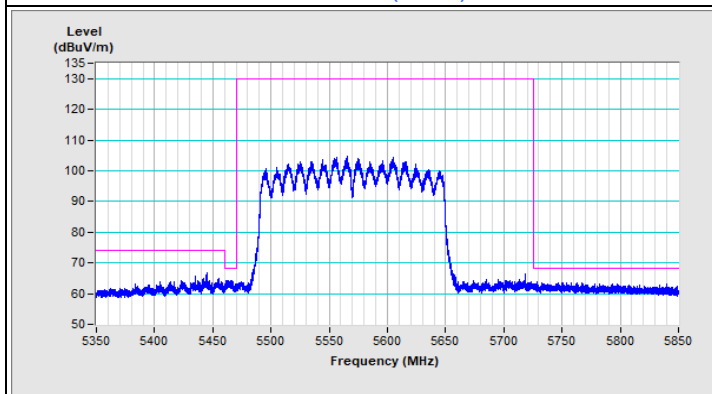
802.11ax (HE160) Channel 114



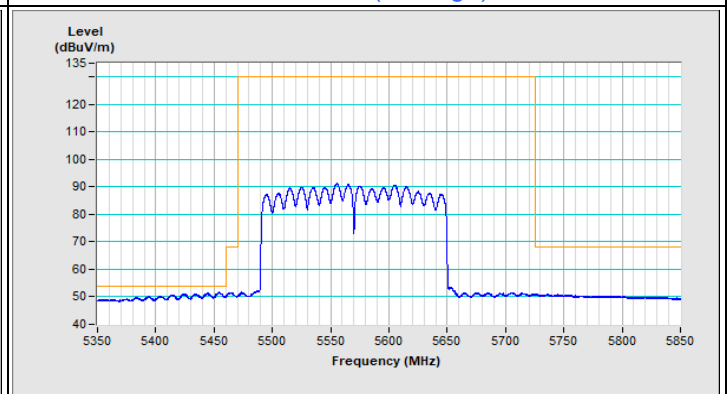
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

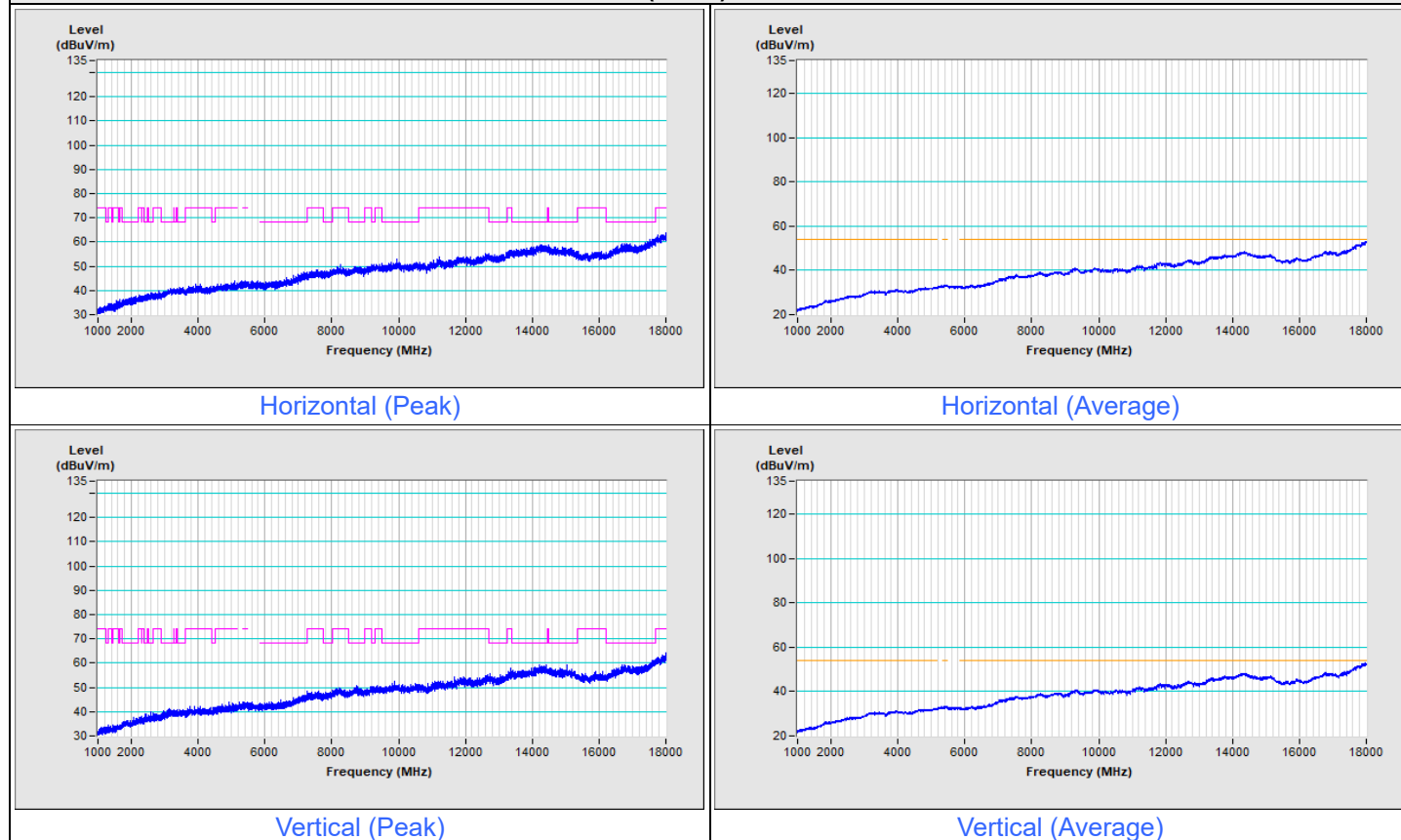


Vertical (Average)

Plot of Other Emission

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE20) Channel 140



Notes:

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

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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