

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBEIU-WTW-P23030111-1

FCC ID: 2ALXJ-FRS100

Product: Owl Bar

Brand: OWL LABS

Model No.: FRS100

Series Model: FRS100*****(* can be 0-9, A-Z, a-z, -, dot or blank or any alphanumeric)

Received Date: 2023/3/3

Test Date: 2023/4/7 ~ 2023/4/13

Issued Date: 2023/4/22

Applicant: Owl Labs Inc.

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

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Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

FCC Registration / 198487 / TW2021

Designation Number:

Approved by: Jeremy Lin, **Date:** 2023/4/22
Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBEIU-WTW-P23030111-1	Original release.	2023/4/22

1 Certificate

Product: Owl Bar

Brand: OWL LABS

Test Model: FRS100

Series Model: FRS100*****(* can be 0-9, A-Z, a-z, -, dot or blank or any alphanumeric)

Sample Status: Engineering sample

Applicant: Owl Labs Inc.

Test Date: 2023/4/7 ~ 2023/4/13

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

Measurement ANSI C63.10-2013

procedure: KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -17.63 dB at 0.15000 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.9 dB at 212.99 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -4.5 dB at 5150.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is IPEX not a standard connector.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	150 kHz ~ 30 MHz	3.00 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.38 dB
	30 MHz ~ 1 GHz	5.7 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 6 GHz	4.83 dB
	6 GHz ~ 18 GHz	5.37 dB
	18 GHz ~ 40 GHz	5.24 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	Owl Bar
Brand	OWL LABS
Test Model	FRS100
Series Model	FRS100****(* can be 0-9, A-Z, a-z ,-, dot or blank or any alphanumeric)
Model Difference	Marketing Differentiation
Status of EUT	Engineering sample
Power Supply Rating	19.5Vdc from Adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 1201.0 Mbps
Operating Frequency	5.18 ~ 5.24 GHz, 5.26 ~ 5.32 GHz, 5.5 ~ 5.7 GHz, 5.745 ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):24 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):11 802.11ac (VHT80), 802.11ax (HE80):5
Output Power	5.24 GHz : 70.391 mW (18.48 dBm) 5.32 GHz : 70.885 mW (18.51 dBm) 5.7 GHz : 71.582 mW (18.55 dBm) 5.825 GHz : 83.704 mW (19.23 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter	APD	DA-65C19	AC Input : 100-240Vac, 50-60Hz, 1.6A Max DC Output : 19.5Vdc, 3.42A, 64.98W AC Cable : non-shielded without core, 1.5m DC Cable : non-shielded with a core, 1.5m
Type C cable (Optional)	-	-	Signal Line : shielded without core, 1.5m Signal Line : shielded without core, 2m
HDMI Cable (Optional)	-	-	Signal Line : shielded without core, 1.5m

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

3. WLAN 2.4 GHz & WLAN 5 GHz & Bluetooth technology cannot transmit at same time.

4. The EUT does not support Partial RU technology.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	Gain (dBi)	Antenna Type	Connector Type
1	4.49	FPCB Dipole	IPEX
2	4.13	FPCB Dipole	IPEX

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

2. The EUT incorporates a MIMO function:

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
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	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) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz) therefore the manufacturer will control the power for 802.11n/ac mode is same as the 802.11ax mode or more lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5700 MHz

11 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		

5 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		

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

Channel	Frequency	Channel	Frequency
106	5530 MHz	122	5610 MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: XYZ 3-axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	1. X/ Y/ Z Worst Condition: X Axis for Unwanted Emission above 1GHz and Unwanted Emission below 1GHz.

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	BPSK	6Mb/s
	802.11ax (HE20)	CDD	52, 60, 64, 100, 116, 140	BPSK	MCS0
	802.11ax (HE40)	CDD	54, 62, 102, 110, 134	BPSK	MCS0
	802.11ax (HE80)	CDD	58, 106, 122	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
	802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
	802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0

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

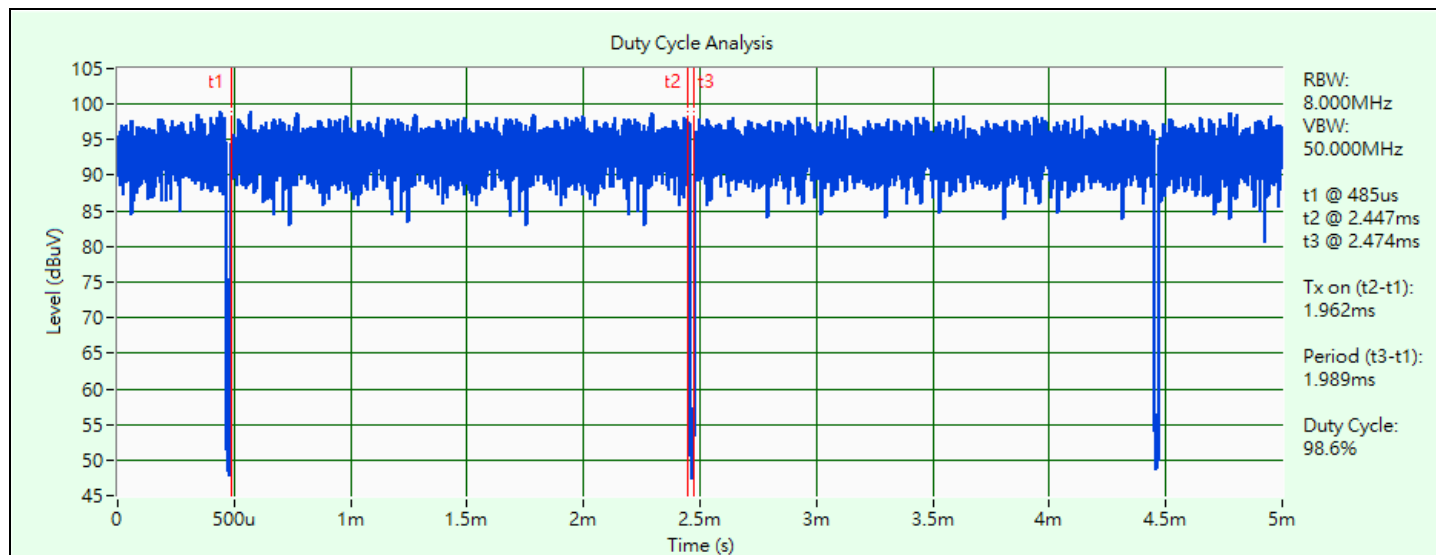
3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 1.962 ms / 1.989 ms x 100% = 98.6%

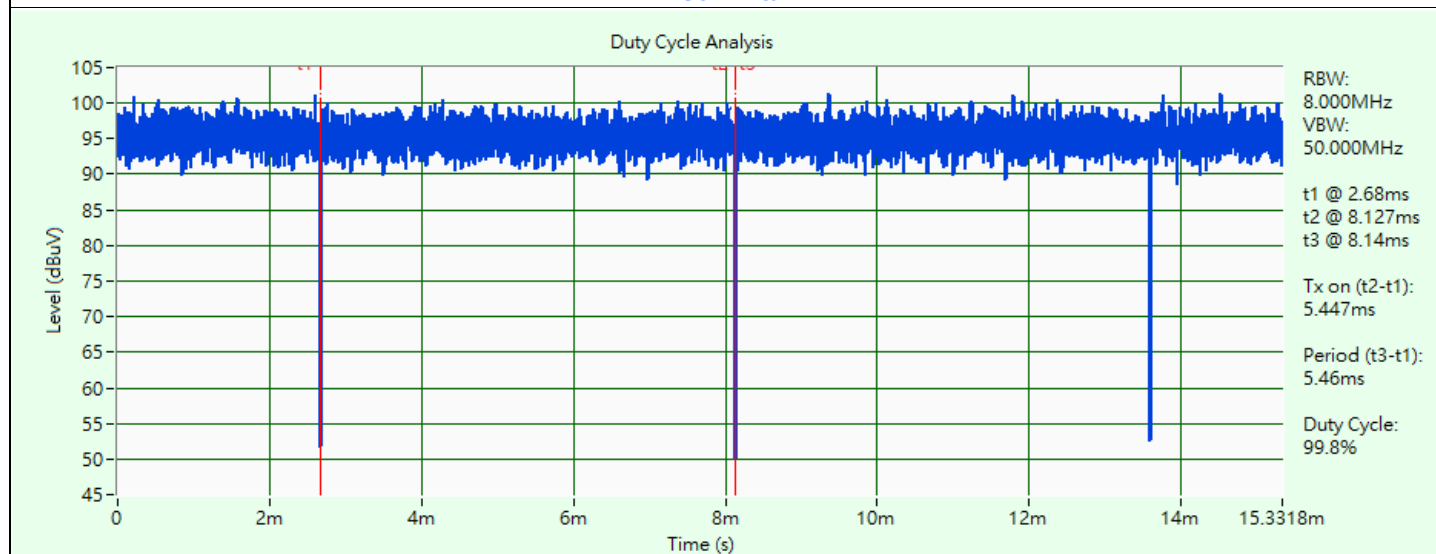
802.11ax (HE20): Duty cycle = 5.447 ms / 5.46 ms x 100% = 99.8%

802.11ax (HE40): Duty cycle = 5.446 ms / 5.46 ms x 100% = 99.7%

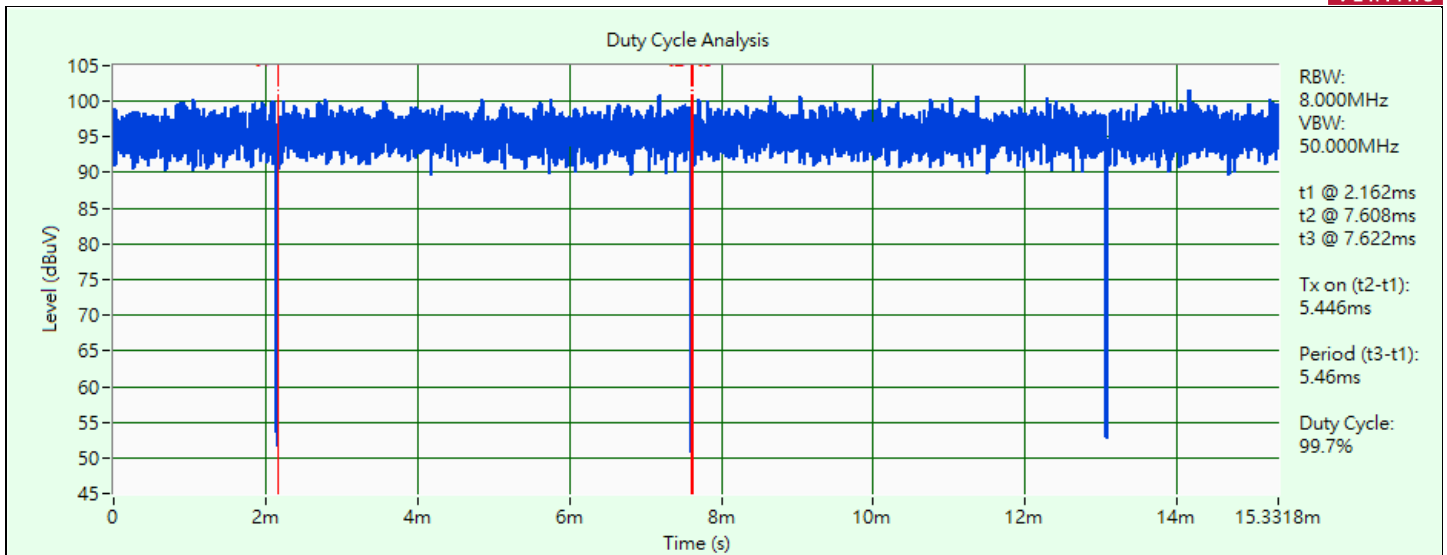
802.11ax (HE80): Duty cycle = 5.42 ms / 5.461 ms x 100% = 99.2%



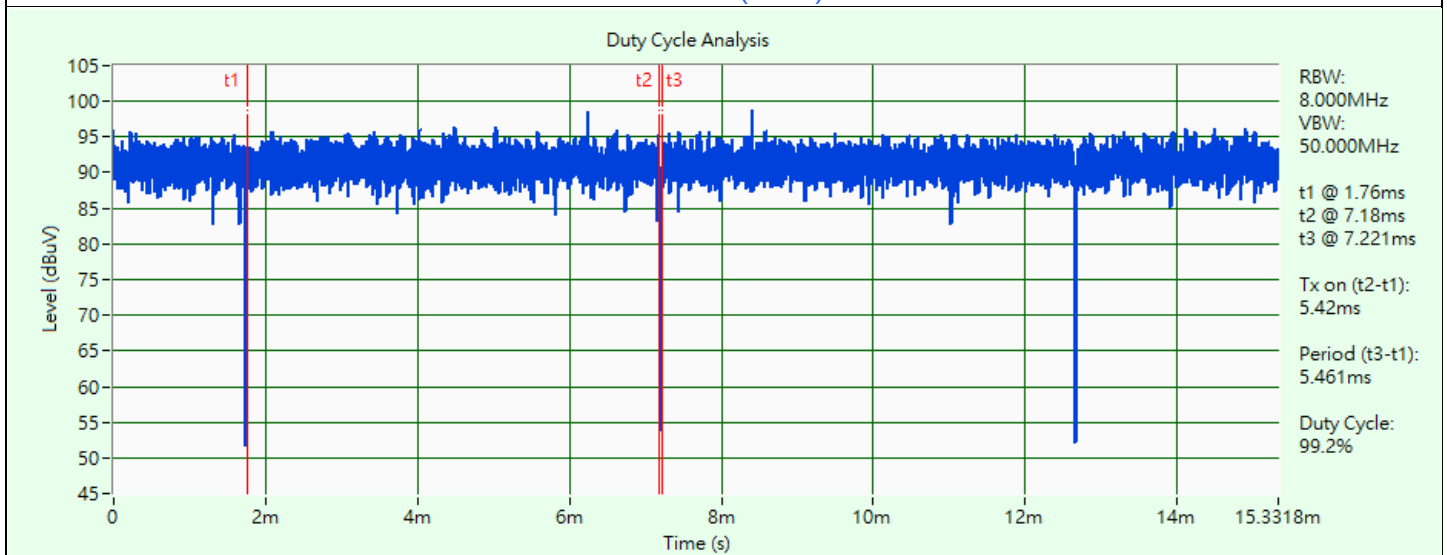
802.11a



802.11ax (HE20)



802.11ax (HE40)

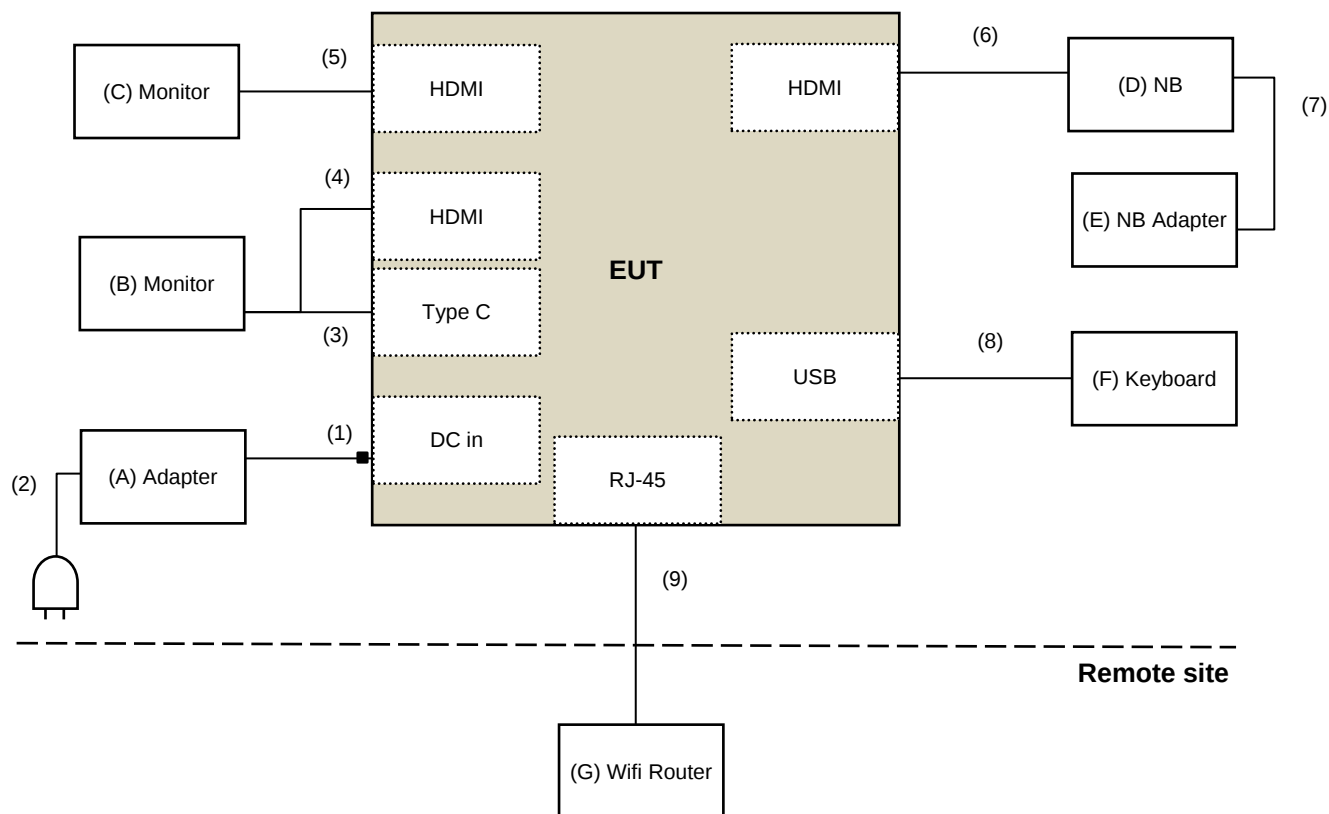


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software (QRCT v4.0.00204.0) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	APD	DA-65C19	N/A	N/A	Supplied by applicant
B	Monitor	ASUS	PA279CV	M7LMTF235959	DoC	Provided by Lab
C	Monitor	ASUS	PA279CV	M7LMTF235956	DoC	Provided by Lab
D	NB	Lenovo	N/A	N/A	N/A	Provided by Lab
E	NB Adapter	Lenovo	ADLX65CGU2A	N/A	N/A	Provided by Lab
F	Keyboard	BTC	N/A	N/A	N/A	Provided by Lab
G	Wifi Router	NETGEAR	R6350	58E798BW001B3	DoC	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC cable	1	1.5	N	1	Supplied by applicant
2	AC cable	1	1.5	N	0	Supplied by applicant
3	Type C cable	1	2	Y	0	Supplied by applicant
4	HDMI cable	1	1.5	Y	0	Supplied by applicant
5	HDMI cable	1	1.5	Y	0	Supplied by applicant
6	HDMI cable	1	2	Y	0	Provided by Lab
7	DC cable	1	1.8	Y	0	Provided by Lab
8	USB cable	1	1.6	Y	0	Provided by Lab
9	RJ-45 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
MIMO Power measurement Test set (4X4) KEYSIGHT	U2021XA	U2021XA_001	2022/6/13	2023/6/12
MXG Vector Signal Generator KEYSIGHT	N5182B	MY53052658	2022/5/9	2023/5/8
Peak Power meter Anritsu	ML2495A	0842014	2022/4/27	2023/4/26
Pulse Power Sensor Anritsu	MA2411B	0738404	2022/4/27	2023/4/26
Spectrum Analyzer KEYSIGHT	N9030A	MY54490260	2022/7/14	2023/7/13
Spectrum Analyzer R&S	FSV40	101042	2022/9/5	2023/9/4
		101544	2022/5/9	2023/5/8
Temperature & Humidity Chamber TERCHY	MHU-225AU	920409	2022/6/27	2023/6/26
Voltage Meter FLUKE	179	89610322	2022/10/3	2023/10/2

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2023/4/11

4.2 RF Output Power

Refer to section 4.1 to get information of the instruments.

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Refer to section 4.1 to get information of the instruments.

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal LYNICS	0900510	E1-011285	2022/9/19	2023/9/18
		E1-011286	2022/9/19	2023/9/18
50 Ohms Terminator LYNICS	0900510	E1-01-305	2023/2/13	2024/2/12
Attenuator STI	STI02-2200-10	NO.4	2022/9/2	2023/9/1
DC LISN R&S	ESH3-Z6	100219	2022/8/2	2023/8/1
		844950/018	2022/8/2	2023/8/1
DC LISN Schwarzbeck	NNLK 8121	8121-808	2022/4/29	2023/4/28
High Voltage Probe Schwarzbeck	TK9420	00982	2022/12/14	2023/12/13
Isolation Transformer Erika Fiedler	D-65396	017	2022/9/8	2023/9/7
LISN R&S	ENV216	101196	2022/5/24	2023/5/23
LISN Schwarzbeck	NNLK 8121	8121-731	2022/5/26	2023/5/25
		8121-00759	2022/8/18	2023/8/17
	NNLK8129	8129229	2022/6/8	2023/6/7
	NSLK 8128	8128-244	2022/11/8	2023/11/7
RF Coaxial Cable Commate	5D-FB	Cable-CO5-01	2023/1/19	2024/1/18
Software BVADT	Cond_V7.3.7.4	N/A	N/A	N/A
Test Receiver R&S	ESR3	102412	2022/12/21	2023/12/20

Notes:

1. The test was performed in Linkou Conduction 5.
2. Tested Date: 2023/4/7

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
* LOOP ANTENNA EMCI	LPA600	270	2021/9/2	2023/9/1
Bi_Log Antenna Schwarzbeck	VULB 9168	137	2022/10/21	2023/10/20
Coupling/Dcoupling Network Schwarzbeck	CDNE-M2	00097	2022/6/1	2023/5/31
	CDNE-M3	00091	2022/6/1	2023/5/31
Pre_Amplifier EMCI	EMC001340	980269	2022/6/28	2023/6/27
Pre_Amplifier HP	8447D	2432A03504	2023/2/16	2024/2/15
RF Coaxial Cable Pacific	8D-FB	Cable-CH6-02	2022/6/30	2023/6/29
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
	Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	101544	2022/5/9	2023/5/8
Test Receiver Agilent	N9038A	MY51210129	2023/3/24	2024/3/23
		MY51210137	2022/6/9	2023/6/8
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

- * The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA
- The test was performed in Linkou 966 Chamber 6 (CH 6).
- Tested Date: 2023/4/8

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Band Pass Filter MICRO-TRONICS	BRM17690	005	2022/5/26	2023/5/25
Boresight antenna tower fixture BV	BAF-02	6	N/A	N/A
High Pass Filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	2022/5/26	2023/5/25
Horn Antenna EMCO	3115	00028257	2022/11/13	2023/11/12
Horn Antenna ETS-Lindgren	3117-PA	00215857	2023/2/3	2024/2/2
Horn Antenna Schwarzbeck	BBHA 9170	212	2022/10/20	2023/10/19
Notch Filter MICRO-TRONICS	BRC50703-01	010	2022/5/26	2023/5/25
Pre-amplifier HP	8449B	3008A01201	2023/2/16	2024/2/15
Pre-amplifier (18GHz-40GHz) EMCI	EMC184045B	980175	2022/9/3	2023/9/2
Pre_Amplifier EMCI	EMC0126545	980076	2023/2/16	2024/2/15
	EMC184045B	980235	2023/2/16	2024/2/15
RF Coaxial Cable EM	EM102-KMKM-3.5+1M	EM102-KMKM-3.5+1M-01	2022/7/7	2023/7/6
RF Coaxial Cable EMCI	EMC104	190801	2022/9/20	2023/9/19
		190804	2022/9/20	2023/9/19
RF Coaxial Cable HUBER SUHNER	SF-104	Cable-CH6-01	2022/9/20	2023/9/19
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
	Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	101042	2022/9/5	2023/9/4
		101544	2022/5/9	2023/5/8
Test Receiver Agilent	N9038A	MY51210129	2023/3/24	2024/3/23
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: 2023/4/11 ~ 2023/4/13

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Point	
	Indoor Access Point	
	Mobile and Portable client device	11 dBm/MHz

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*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.

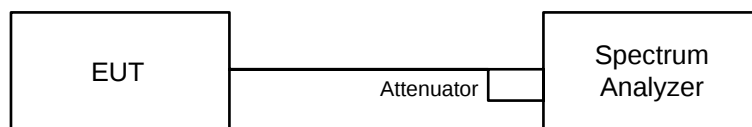
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

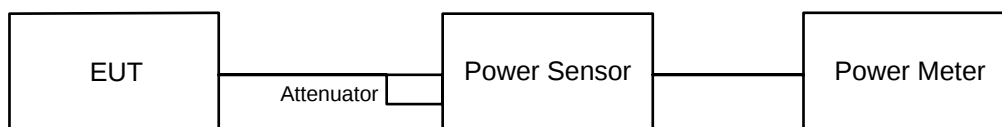


6.1.2 Test Procedure

- Set RBW = approximately 1% 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 analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6.2 RF Output Power

6.2.1 Test Setup

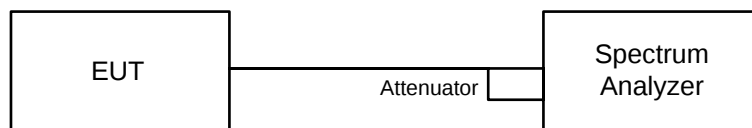


6.2.2 Test Procedure

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.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, 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 emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
- Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, 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

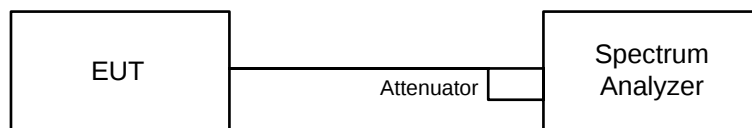
For specified measurement bandwidth 500 kHz:

Method SA-2

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

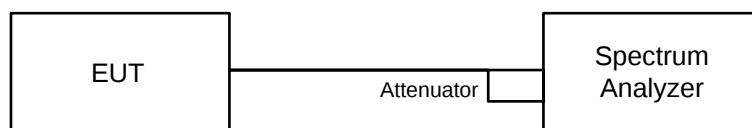


6.4.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.5 Occupied Bandwidth

6.5.1 Test Setup

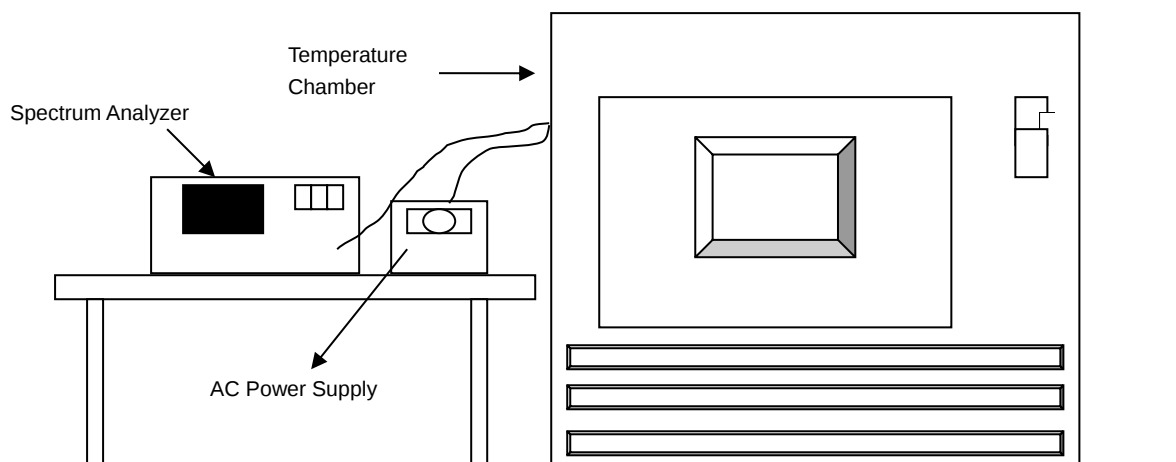


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

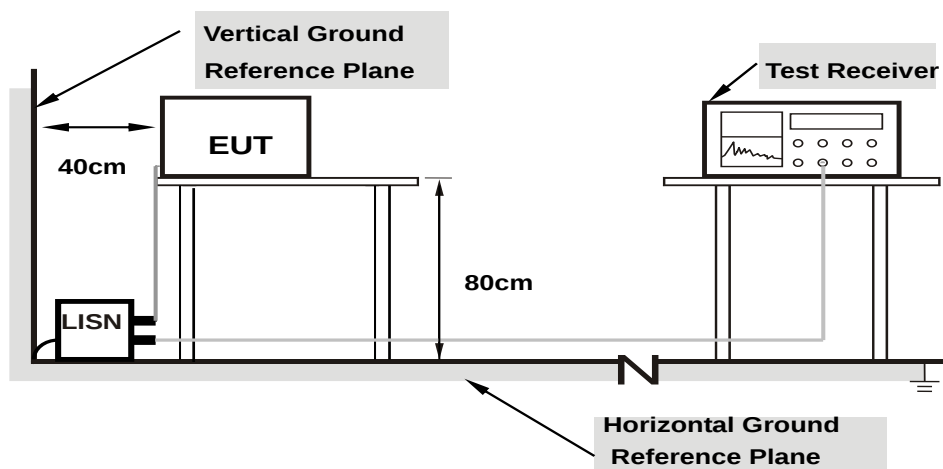


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

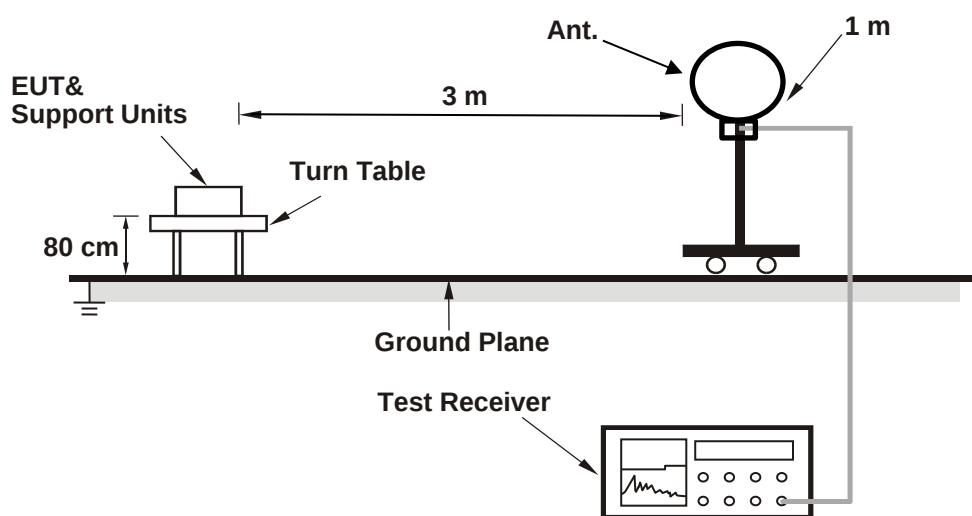
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

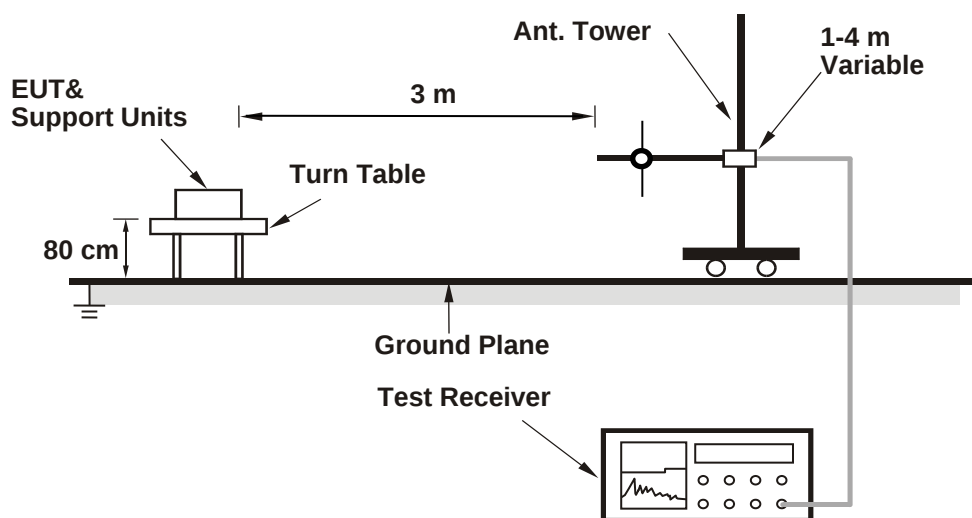
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

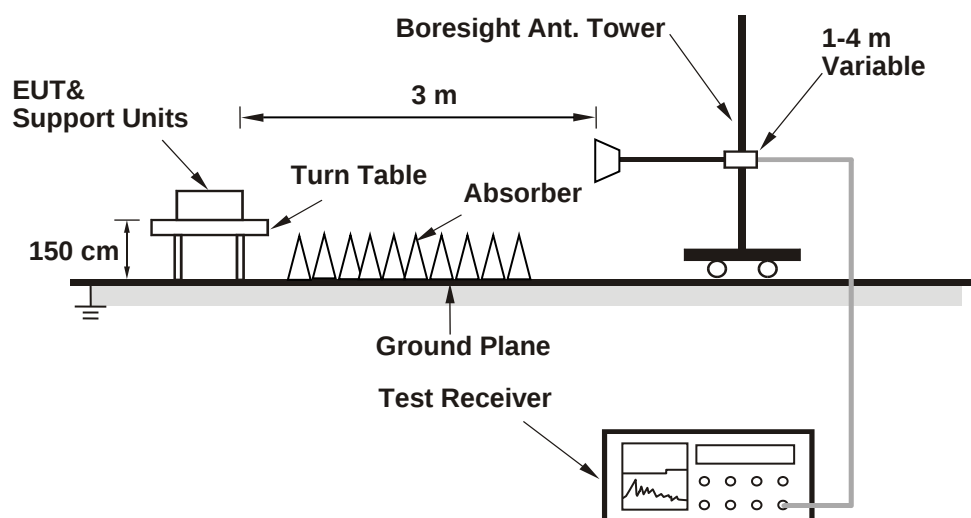
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 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	19.23	19.16
60	5300	19.26	19.13
64	5320	19.23	19.10
100	5500	19.26	19.08
116	5580	19.11	19.00
140	5700	19.17	19.12

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	19.16	23.82 < 24
60	5300	19.13	23.81 < 24
64	5320	19.10	23.81 < 24
100	5500	19.08	23.8 < 24
116	5580	19.00	23.78 < 24
140	5700	19.12	23.81 < 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	21.17	21.01
60	5300	21.17	21.12
64	5320	21.17	21.19
100	5500	21.13	20.77
116	5580	21.12	20.84
140	5700	21.13	20.89

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.01	24.22 > 24
60	5300	21.12	24.24 > 24
64	5320	21.17	24.25 > 24
100	5500	20.77	24.17 > 24
116	5580	20.84	24.18 > 24
140	5700	20.89	24.19 > 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	41.64	41.61
62	5310	41.84	41.52
102	5510	41.65	41.75
110	5550	41.69	41.70
134	5670	41.55	41.59

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	41.61	27.19 > 24
62	5310	41.52	27.18 > 24
102	5510	41.65	27.19 > 24
110	5550	41.69	27.2 > 24
134	5670	41.55	27.18 > 24

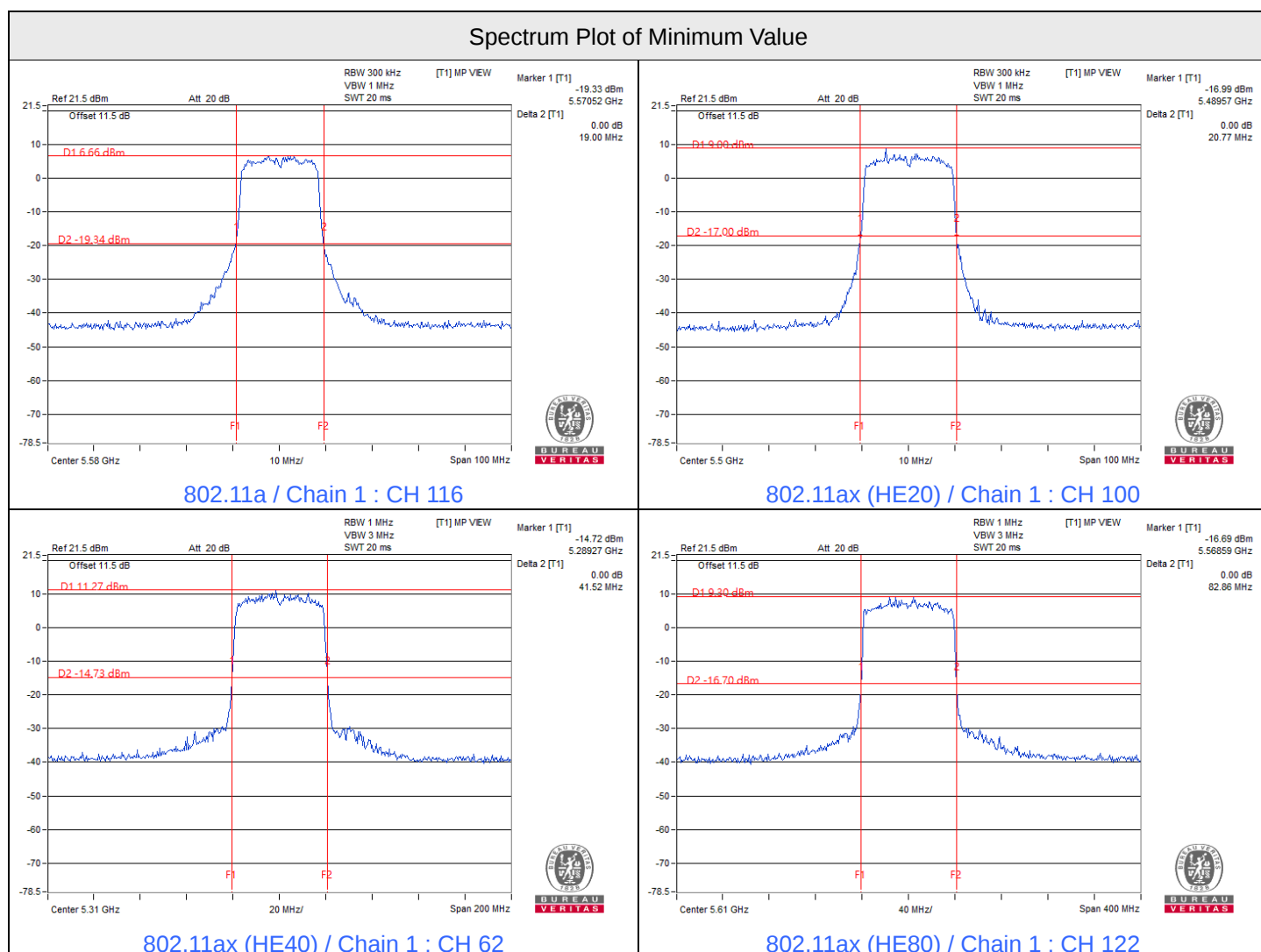
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.16	83.02
106	5530	83.20	83.00
122	5610	83.22	82.86

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	83.02	30.19 > 24
106	5530	83.00	30.19 > 24
122	5610	82.86	30.18 > 24

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



7.2 RF Output Power

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

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.51	11.69	37.196	15.70	24	Pass
40	5200	13.56	11.73	37.592	15.75	24	Pass
48	5240	13.33	11.91	37.052	15.69	24	Pass
52	5260	15.72	14.35	64.552	18.10	23.82	Pass
60	5300	15.96	14.01	64.622	18.10	23.81	Pass
64	5320	16.07	13.94	65.232	18.14	23.81	Pass
100	5500	15.77	14.01	62.934	17.99	23.8	Pass
116	5580	15.24	14.61	62.326	17.95	23.78	Pass
140	5700	15.30	14.33	60.986	17.85	23.81	Pass
149	5745	15.94	15.50	74.746	18.74	30	Pass
157	5785	15.86	15.37	72.983	18.63	30	Pass
165	5825	16.05	15.18	73.233	18.65	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.78	12.01	39.764	15.99	24	Pass
40	5200	13.69	12.07	39.495	15.97	24	Pass
48	5240	13.54	12.05	38.627	15.87	24	Pass
52	5260	15.69	14.12	62.891	17.99	24	Pass
60	5300	16.04	13.88	64.613	18.10	24	Pass
64	5320	16.02	13.79	63.928	18.06	24	Pass
100	5500	15.75	13.76	61.352	17.88	24	Pass
116	5580	15.31	14.45	61.824	17.91	24	Pass
140	5700	15.45	14.78	65.136	18.14	24	Pass
149	5745	15.96	15.60	75.754	18.79	30	Pass
157	5785	15.79	15.46	73.088	18.64	30	Pass
165	5825	16.01	15.27	73.554	18.67	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.49 dBi < 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	16.15	14.29	68.063	18.33	24	Pass
46	5230	15.98	14.41	67.234	18.28	24	Pass
54	5270	16.13	14.33	68.122	18.33	24	Pass
62	5310	16.21	14.07	67.31	18.28	24	Pass
102	5510	16.08	13.98	65.554	18.17	24	Pass
110	5550	16.04	14.40	67.721	18.31	24	Pass
134	5670	15.83	14.94	69.471	18.42	24	Pass
151	5755	16.38	15.73	80.862	19.08	30	Pass
159	5795	16.19	15.54	77.401	18.89	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.49 dBi < 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	15.91	14.53	67.373	18.28	24	Pass
58	5290	16.19	14.27	68.321	18.35	24	Pass
106	5530	15.88	14.37	66.078	18.20	24	Pass
122	5610	15.53	14.66	64.969	18.13	24	Pass
155	5775	16.15	15.67	78.108	18.93	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.49 dBi < 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	13.92	12.10	40.878	16.11	24	Pass
40	5200	13.83	12.18	40.674	16.09	24	Pass
48	5240	13.68	12.17	39.816	16.00	24	Pass
52	5260	15.83	14.27	65.013	18.13	24	Pass
60	5300	16.19	14.01	66.768	18.25	24	Pass
64	5320	16.16	13.94	66.079	18.20	24	Pass
100	5500	15.88	13.91	63.329	18.02	24	Pass
116	5580	15.47	14.59	64.011	18.06	24	Pass
140	5700	15.61	14.92	67.437	18.29	24	Pass
149	5745	16.11	15.74	78.329	18.94	30	Pass
157	5785	15.93	15.62	75.65	18.79	30	Pass
165	5825	16.16	15.41	76.058	18.81	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.49 dBi < 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	16.30	14.43	70.391	18.48	24	Pass
46	5230	16.11	14.57	69.474	18.42	24	Pass
54	5270	16.29	14.48	70.614	18.49	24	Pass
62	5310	16.36	14.20	69.554	18.42	24	Pass
102	5510	16.23	14.12	67.799	18.31	24	Pass
110	5550	16.19	14.54	70.036	18.45	24	Pass
134	5670	15.96	15.07	71.582	18.55	24	Pass
151	5755	16.53	15.88	83.704	19.23	30	Pass
159	5795	16.35	15.69	80.22	19.04	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.49 dBi < 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	16.06	14.67	69.673	18.43	24	Pass
58	5290	16.35	14.43	70.885	18.51	24	Pass
106	5530	16.02	14.51	68.243	18.34	24	Pass
122	5610	15.69	14.80	67.268	18.28	24	Pass
155	5775	16.28	15.82	80.656	19.07	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 4.49 dBi < 6 dBi, so the output power limit shall not be reduced.

7.3 Power Spectral Density

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

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	0.32	-1.52	2.51	9.68	Pass
40	5200	0.25	-1.46	2.49	9.68	Pass
48	5240	0.19	-1.26	2.54	9.68	Pass
52	5260	2.93	1.20	5.16	9.68	Pass
60	5300	3.19	1.00	5.24	9.68	Pass
64	5320	3.14	0.80	5.14	9.68	Pass
100	5500	2.70	1.13	5.00	9.68	Pass
116	5580	2.37	1.65	5.04	9.68	Pass
140	5700	2.38	1.44	4.95	9.68	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 7.32 dBi > 6dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	0.27	-1.45	2.50	9.68	Pass
40	5200	0.20	-1.34	2.51	9.68	Pass
48	5240	0.07	-1.32	2.44	9.68	Pass
52	5260	2.24	0.71	4.55	9.68	Pass
60	5300	2.49	0.40	4.58	9.68	Pass
64	5320	2.44	0.34	4.53	9.68	Pass
100	5500	2.19	0.25	4.34	9.68	Pass
116	5580	1.86	0.84	4.39	9.68	Pass
140	5700	2.09	1.43	4.78	9.68	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 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ 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	-0.20	-1.85	2.06	9.68	Pass
46	5230	-0.40	-1.82	1.96	9.68	Pass
54	5270	-0.22	-2.08	1.96	9.68	Pass
62	5310	-0.15	-2.28	1.92	9.68	Pass
102	5510	-0.28	-2.45	1.78	9.68	Pass
110	5550	-0.39	-1.90	1.93	9.68	Pass
134	5670	-0.46	-1.71	1.97	9.68	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 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.32 - 6) = 9.68$ 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	-3.54	-4.98	-1.19	9.68	Pass
58	5290	-3.13	-5.31	-1.07	9.68	Pass
106	5530	-3.46	-4.92	-1.12	9.68	Pass
122	5610	-3.70	-4.49	-1.07	9.68	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 7.32 dBi > 6dBi, so the power density limit shall be reduced to $11-(7.32-6) = 9.68 \text{ dBm/MHz}$.
- For U-NII-2A, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.32-6) = 9.68 \text{ dBm/MHz}$.
- For U-NII-2C, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.32-6) = 9.68 \text{ dBm/MHz}$.

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	149	5745	-5.14	-2.92	3.01	0.09	28.68	Pass
	157	5785	-5.37	-3.15	3.01	-0.14	28.68	Pass
	165	5825	-5.23	-3.01	3.01	0	28.68	Pass
Chain 1	149	5745	-5.47	-3.25	3.01	-0.24	28.68	Pass
	157	5785	-5.69	-3.47	3.01	-0.46	28.68	Pass
	165	5825	-5.68	-3.46	3.01	-0.45	28.68	Pass

Notes:

- Method E) 2) c) Measure and add $10 \log(\text{NANT})$ dB of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $30-(7.32-6) = 28.68 \text{ dBm/500kHz}$.

802.11ax (HE20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	149	5745	-6.59	-4.37	3.01	-1.36	28.68	Pass
	157	5785	-6.89	-4.67	3.01	-1.66	28.68	Pass
	165	5825	-6.46	-4.24	3.01	-1.23	28.68	Pass
Chain 1	149	5745	-7.05	-4.83	3.01	-1.82	28.68	Pass
	157	5785	-7.58	-5.36	3.01	-2.35	28.68	Pass
	165	5825	-7.65	-5.43	3.01	-2.42	28.68	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB 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 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.32 - 6) = 28.68$ dBm/500kHz.

802.11ax (HE40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	151	5755	-9.14	-6.92	3.01	-3.91	28.68	Pass
	159	5795	-9.41	-7.19	3.01	-4.18	28.68	Pass
Chain 1	151	5755	-9.89	-7.67	3.01	-4.66	28.68	Pass
	159	5795	-10.33	-8.11	3.01	-5.1	28.68	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB 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 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.32 - 6) = 28.68$ dBm/500kHz.

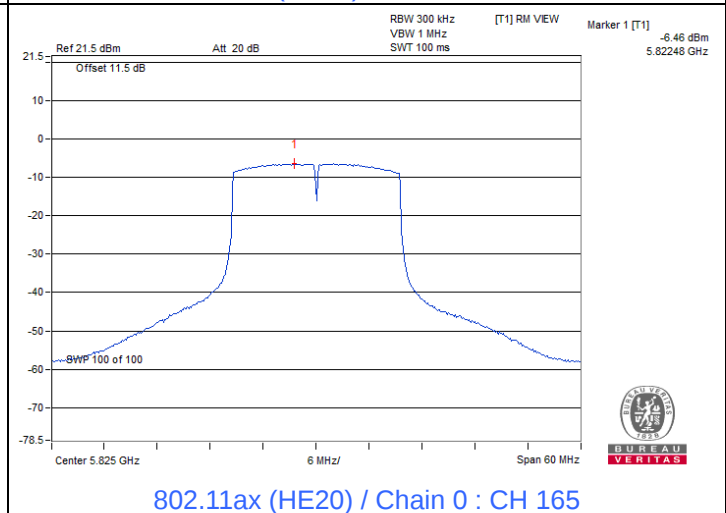
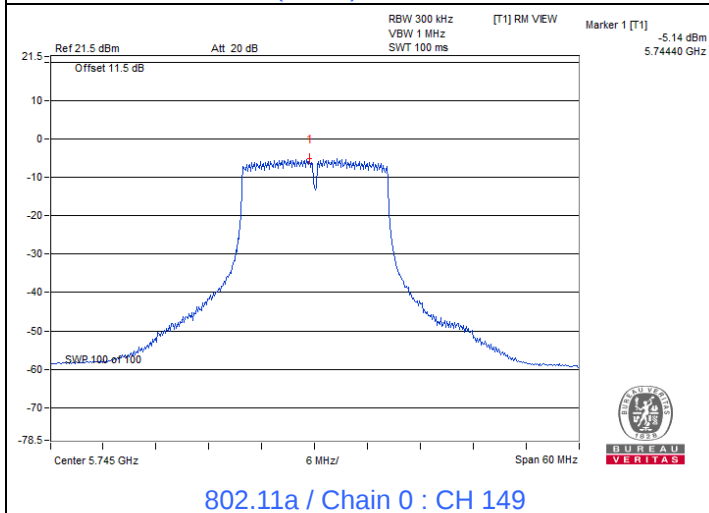
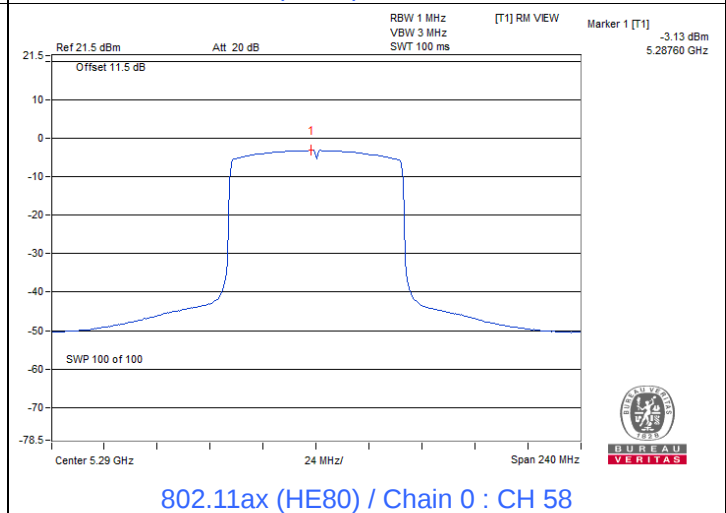
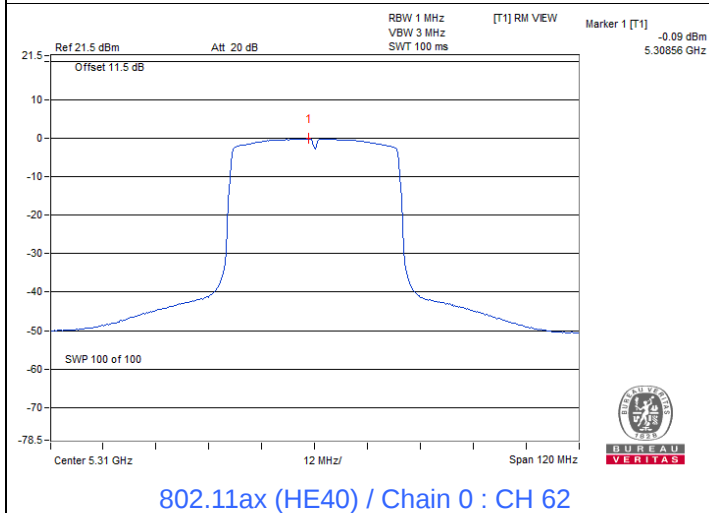
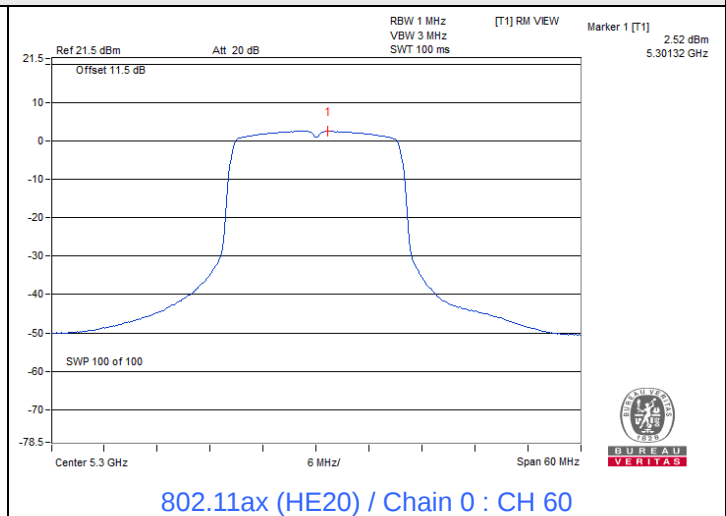
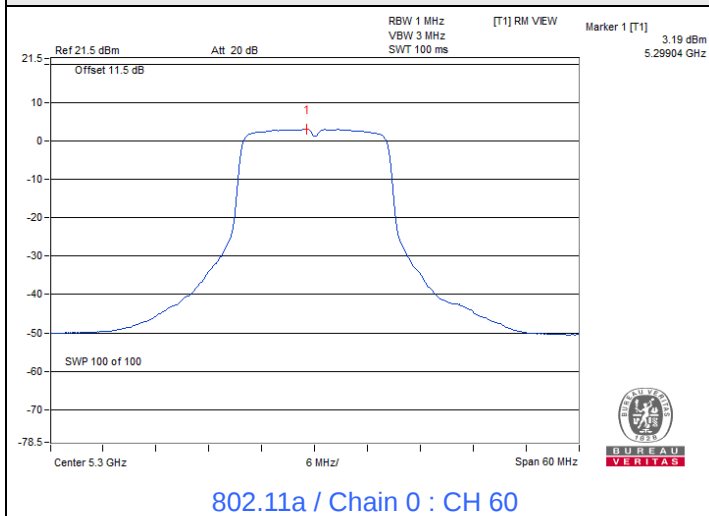
802.11ax (HE80)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	155	5775	-12.42	-10.2	3.01	-7.19	28.68	Pass
Chain 1	155	5775	-13.02	-10.8	3.01	-7.79	28.68	Pass

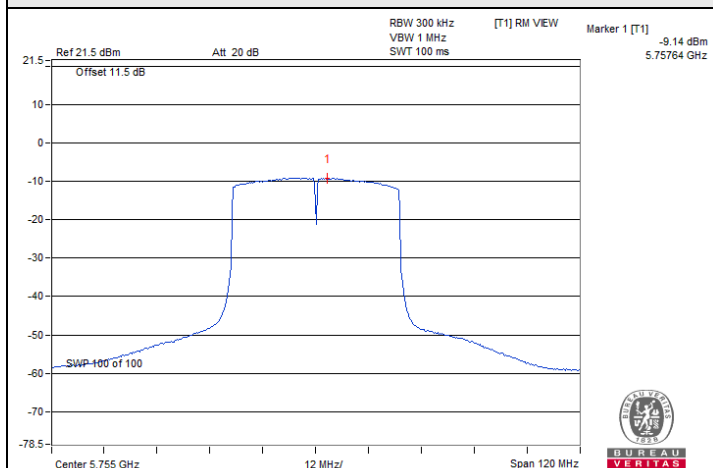
Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB 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 7.32 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.32 - 6) = 28.68$ dBm/500kHz.

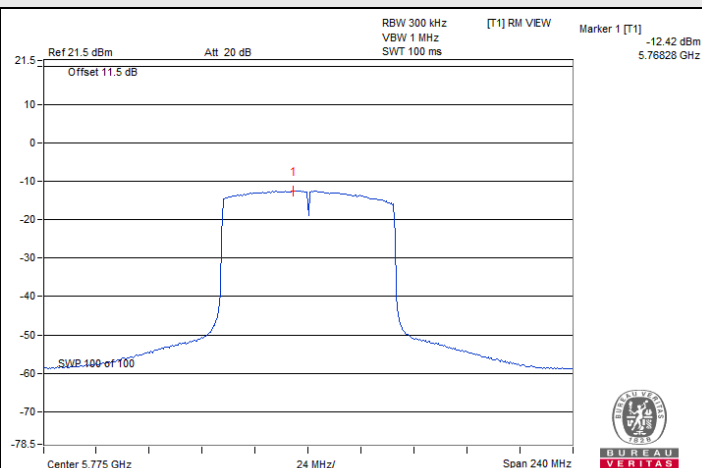
Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



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		
149	5745	16.35	16.35	0.5	Pass
157	5785	16.32	16.35	0.5	Pass
165	5825	16.33	16.33	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	18.71	18.61	0.5	Pass
157	5785	18.68	18.71	0.5	Pass
165	5825	18.48	18.55	0.5	Pass

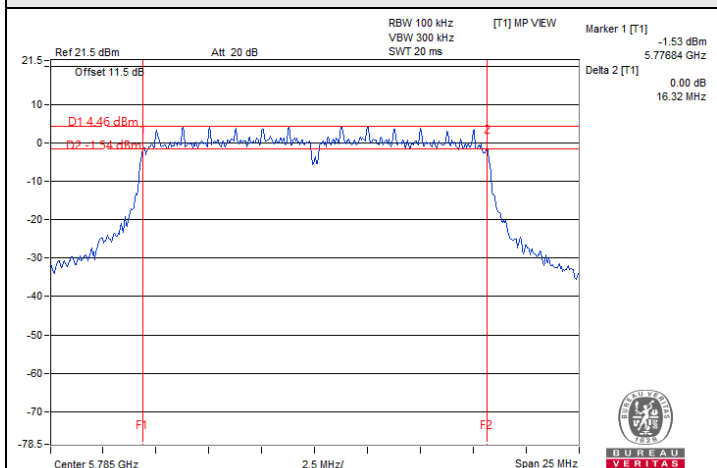
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
151	5755	37.59	36.61	0.5	Pass
159	5795	37.40	37.60	0.5	Pass

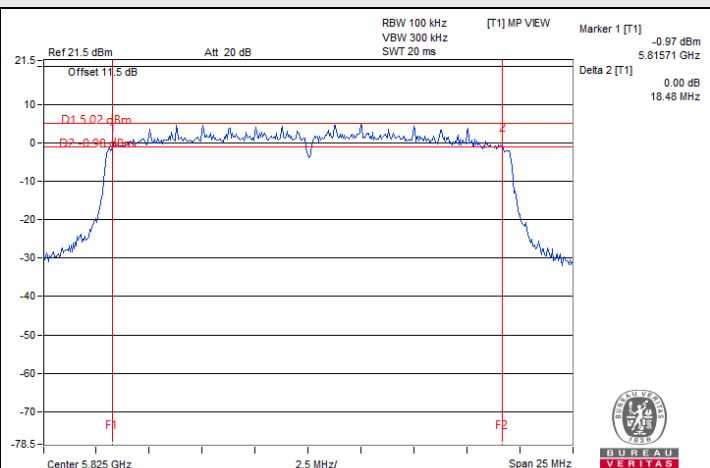
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
155	5775	77.40	77.05	0.5	Pass

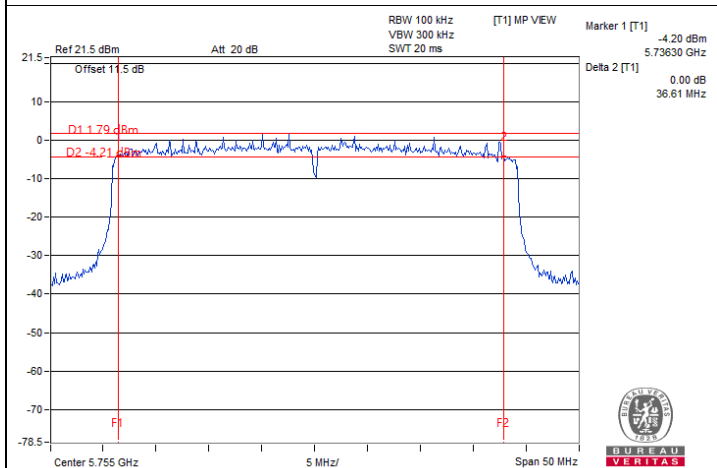
Spectrum Plot of Minimum Value



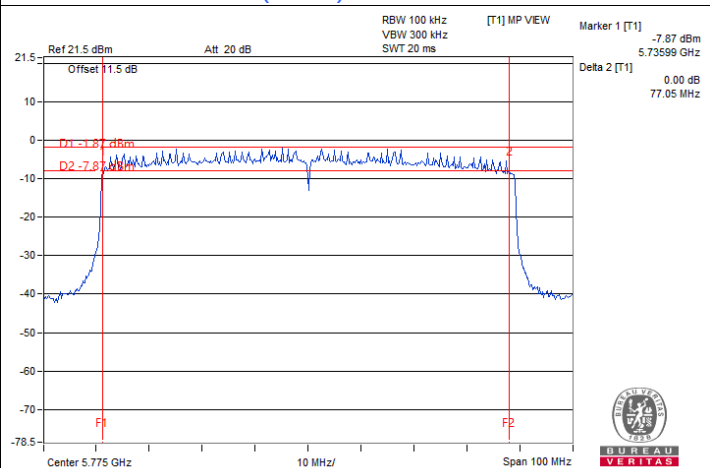
802.11a / Chain 0 : CH 157



802.11ax (HE20) / Chain 0 : CH 165



802.11ax (HE40) / Chain 1 : CH 151



802.11ax (HE80) / Chain 1 : CH 155

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	16.32	16.32
40	5200	16.32	16.32
48	5240	16.32	16.32
52	5260	16.32	16.32
60	5300	16.32	16.32
64	5320	16.32	16.32
100	5500	16.32	16.32
116	5580	16.32	16.32
140	5700	16.32	16.32
149	5745	16.44	16.44
157	5785	16.32	16.44
165	5825	16.44	16.44

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	18.96
40	5200	18.96	18.96
48	5240	18.96	18.96
52	5260	18.96	18.84
60	5300	18.96	18.96
64	5320	18.96	18.84
100	5500	18.96	18.96
116	5580	18.96	18.96
140	5700	18.96	18.96
149	5745	18.96	18.96
157	5785	18.96	18.96
165	5825	18.84	18.96

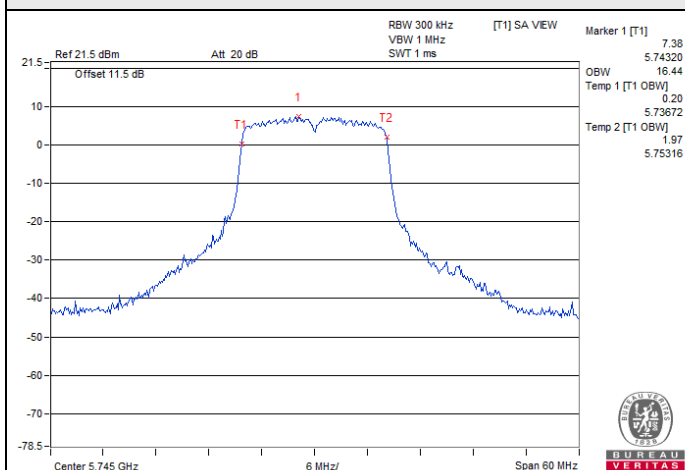
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	37.92	37.92
54	5270	37.92	37.92
62	5310	37.92	37.92
102	5510	37.92	37.92
110	5550	37.92	37.92
134	5670	37.92	37.92
151	5755	37.92	37.92
159	5795	37.92	37.92

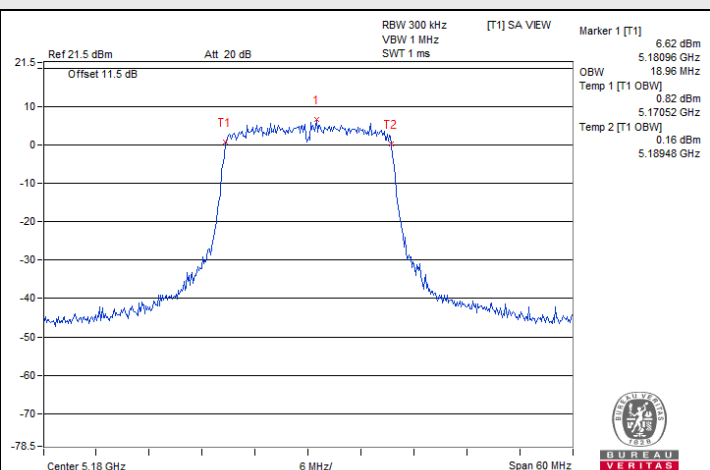
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	76.80
58	5290	76.80	77.28
106	5530	77.28	77.76
122	5610	77.28	77.28
155	5775	77.28	77.28

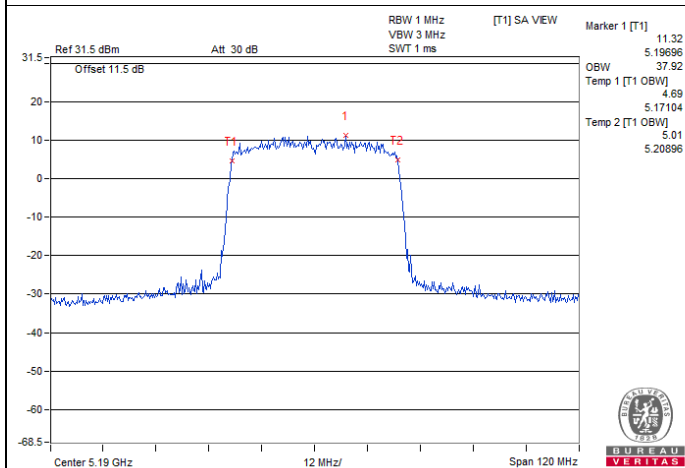
Spectrum Plot of Maximum Value



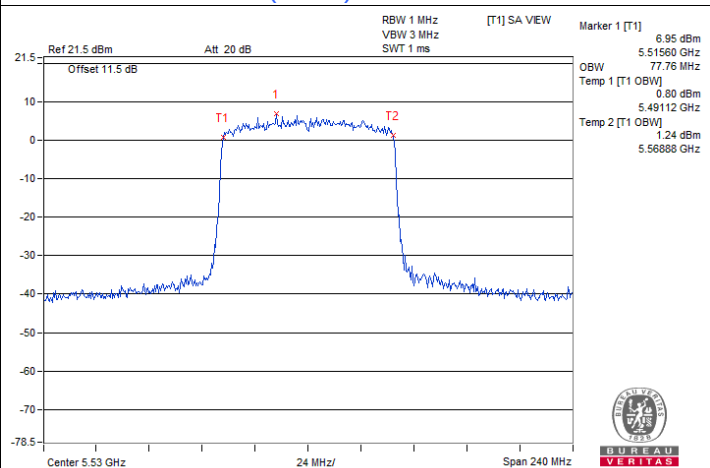
802.11a / Chain 0 : CH 149



802.11ax (HE20) / Chain 0 : CH 36

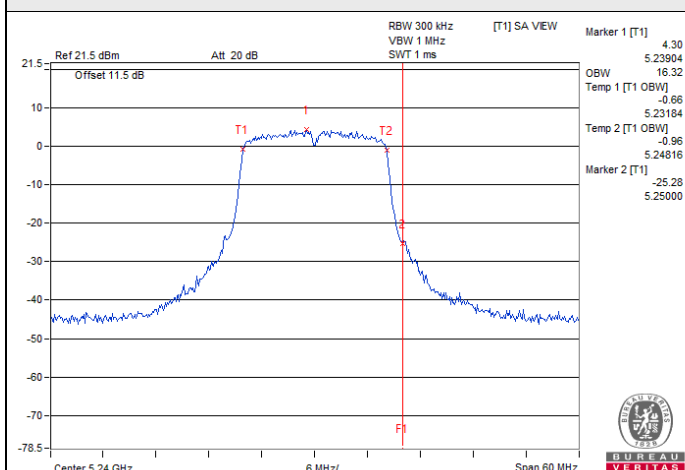


802.11ax (HE40) / Chain 0 : CH 38

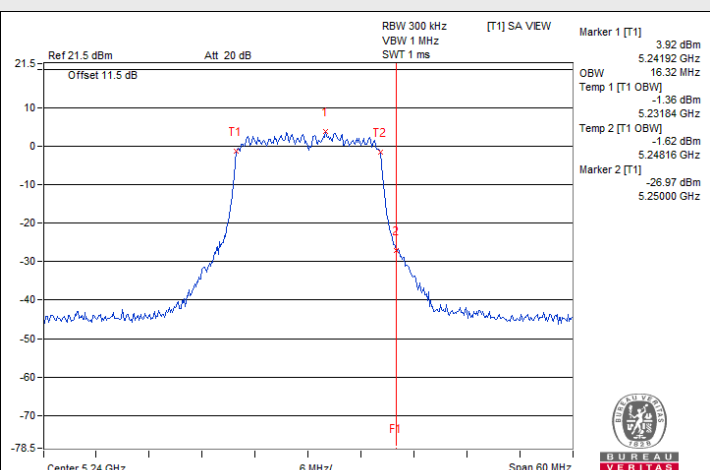


802.11ax (HE80) / Chain 1 : CH 106

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

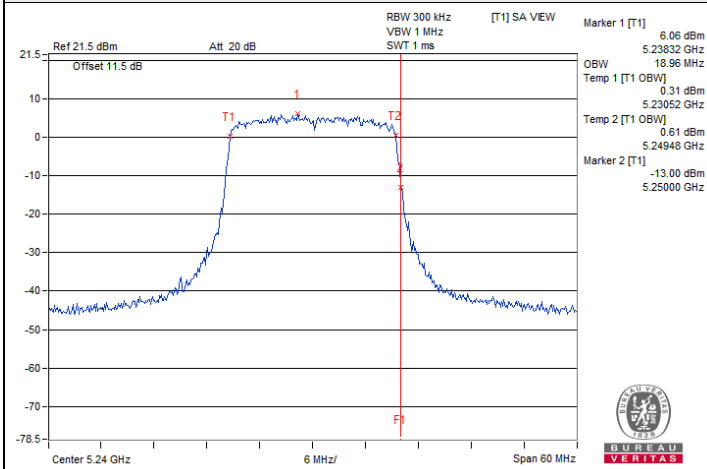


802.11a / Chain 0 : CH 48

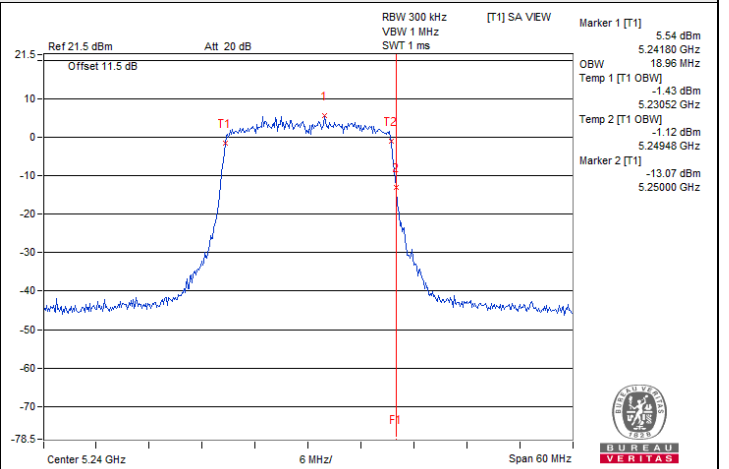


802.11a / Chain 1 : CH 48

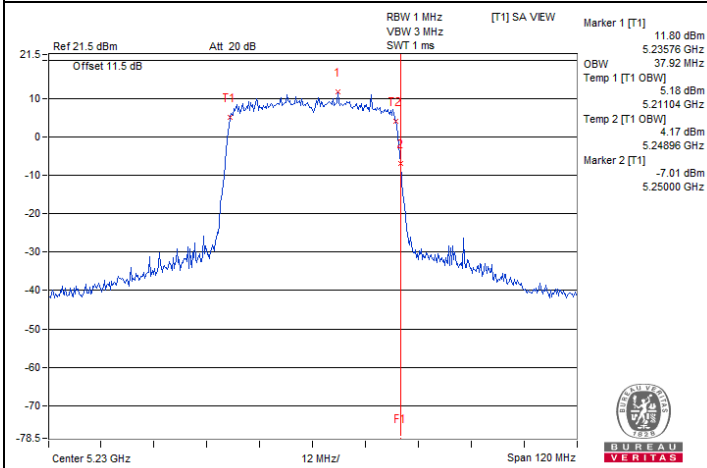
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



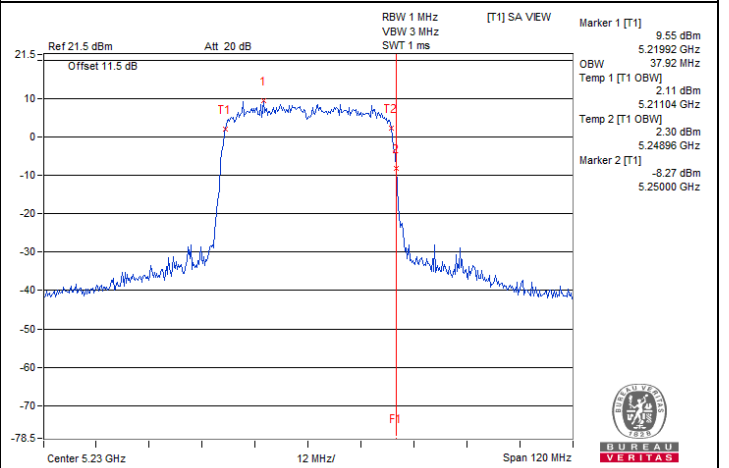
802.11ax (HE20) / Chain 0 : CH 48



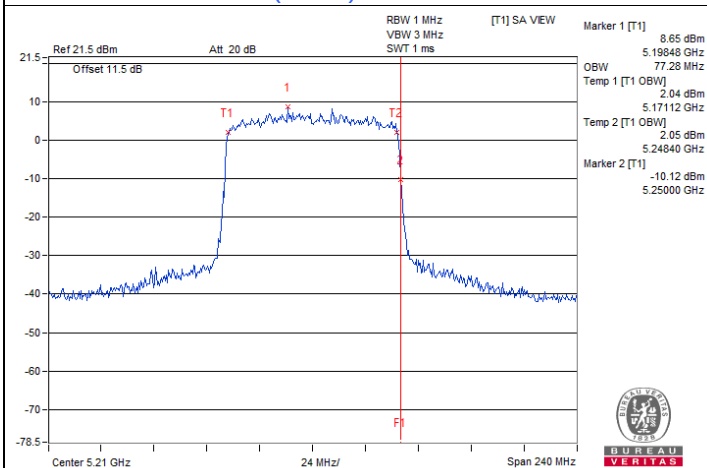
802.11ax (HE20) / Chain 1 : CH 48



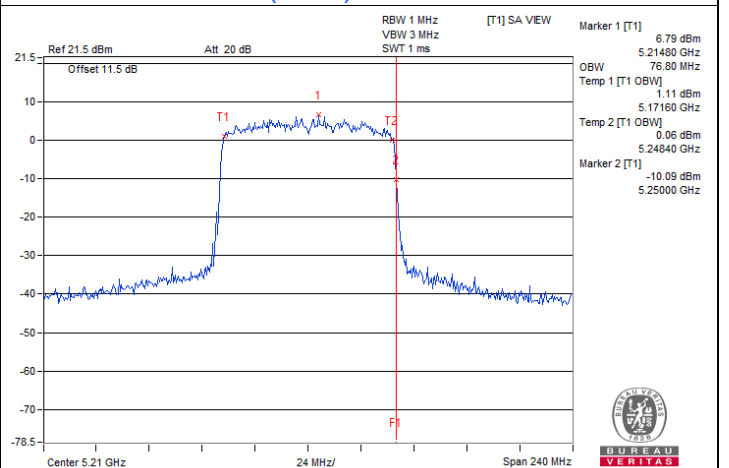
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46

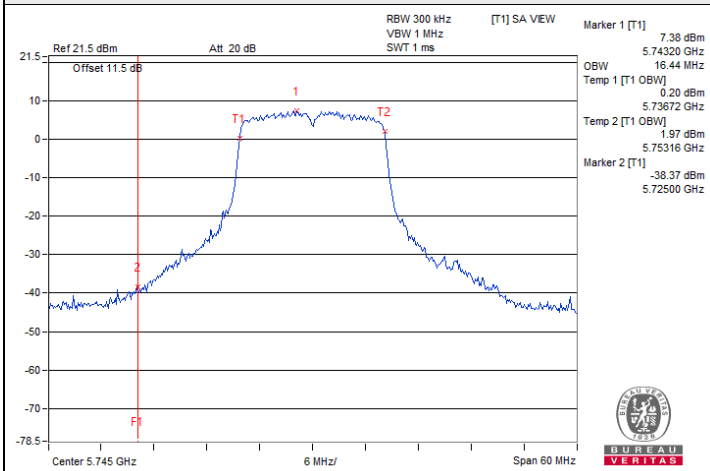


802.11ax (HE80) / Chain 0 : CH 42

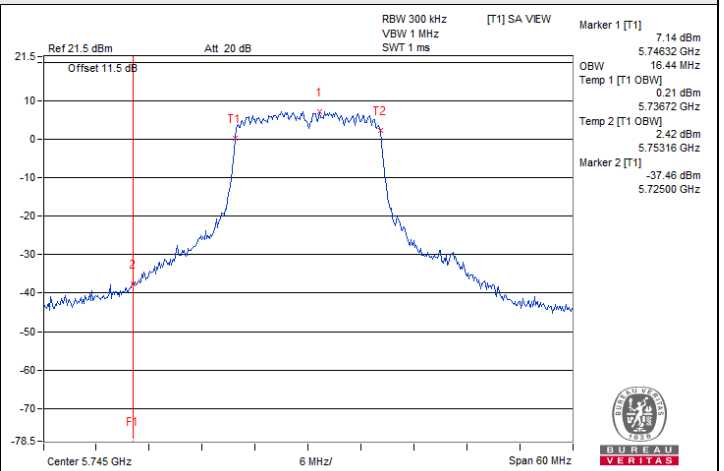


802.11ax (HE80) / Chain 1 : CH 42

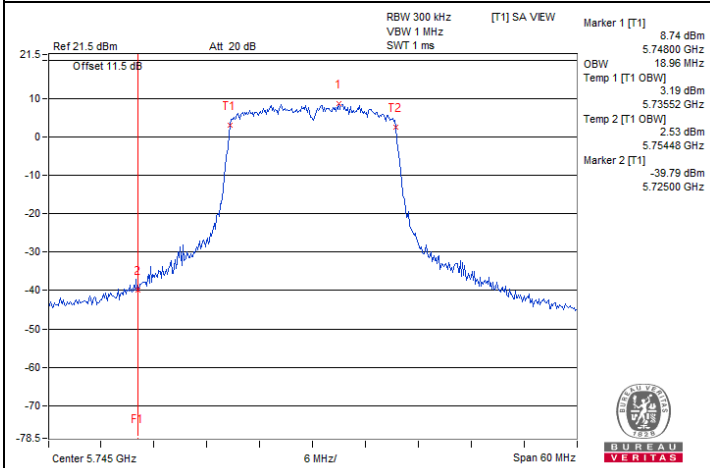
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



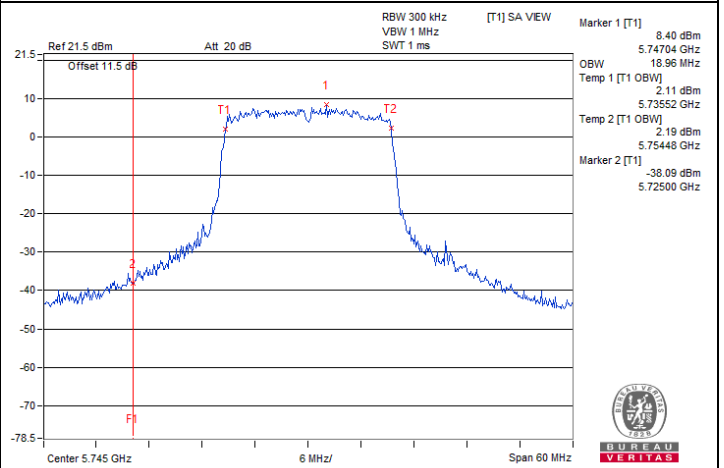
802.11a / Chain 0 : CH 149



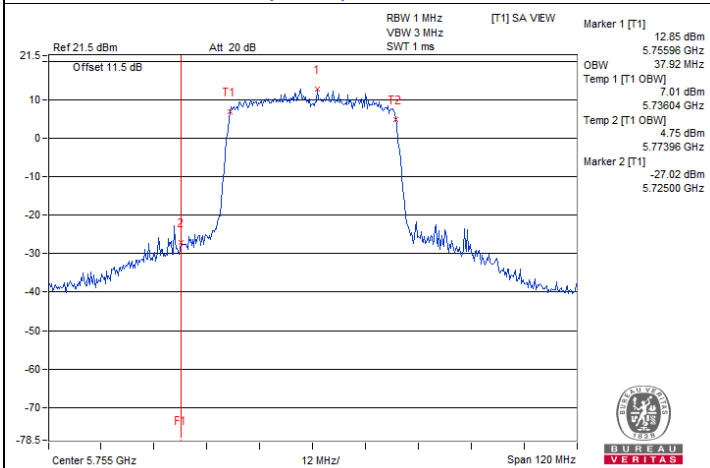
802.11a / Chain 1 : CH 149



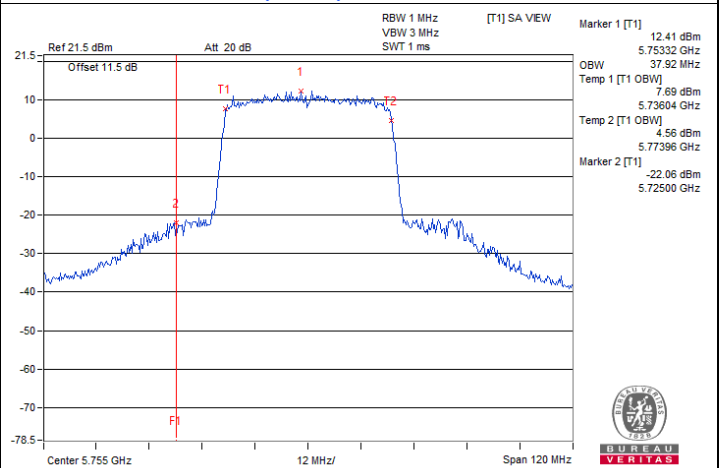
802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE20) / Chain 1 : CH 149

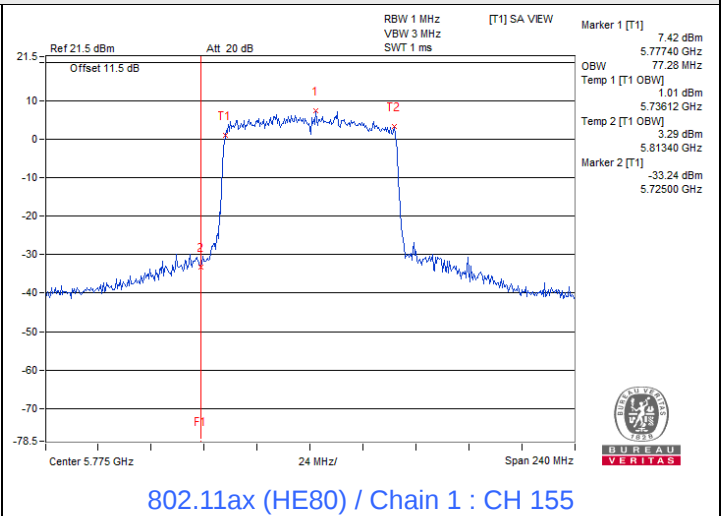
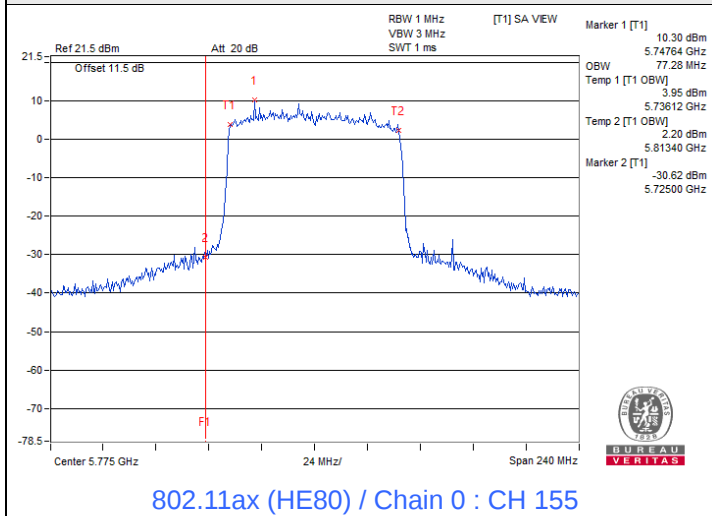


802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE40) / Chain 1 : CH 151

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



7.6 Frequency Stability

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

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
35	120	5179.979	Pass	5179.9779	Pass	5179.9747	Pass	5179.979	Pass
30	120	5180.0119	Pass	5180.013	Pass	5180.0164	Pass	5180.0164	Pass
20	120	5180.0077	Pass	5180.0104	Pass	5180.0074	Pass	5180.0087	Pass
10	120	5180.0189	Pass	5180.0207	Pass	5180.0193	Pass	5180.0197	Pass
0	120	5179.9841	Pass	5179.9838	Pass	5179.9832	Pass	5179.9799	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9983	Pass	5180.0005	Pass	5179.9978	Pass	5179.9984	Pass
	120	5180.0077	Pass	5180.0104	Pass	5180.0074	Pass	5180.0087	Pass
	102	5180.0067	Pass	5180.0071	Pass	5180.0085	Pass	5180.0055	Pass

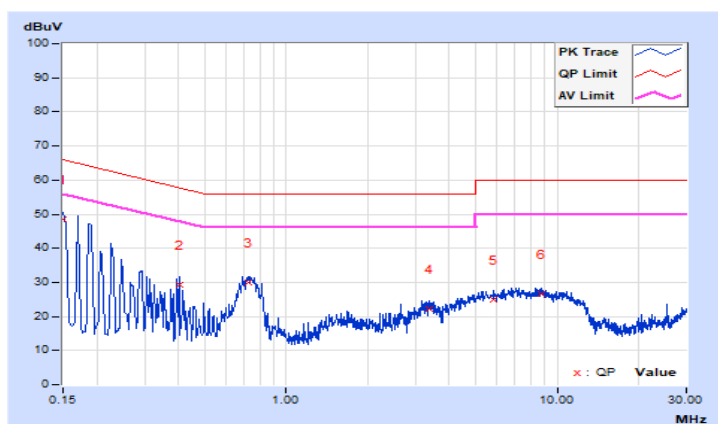
7.7 AC Power Conducted Emissions

RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	150kHz ~ 30MHz	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	0.15000	10.04	38.33	17.56	48.37	27.60	66.00	56.00	-17.63	-28.40
2	0.40200	10.21	18.97	4.14	29.18	14.35	57.81	47.81	-28.63	-33.46
3	0.72600	10.29	19.78	15.20	30.07	25.49	56.00	46.00	-25.93	-20.51
4	3.39400	10.47	11.78	5.50	22.25	15.97	56.00	46.00	-33.75	-30.03
5	5.86200	10.55	14.37	9.10	24.92	19.65	60.00	50.00	-35.08	-30.35
6	8.78600	10.63	16.13	10.64	26.76	21.27	60.00	50.00	-33.24	-28.73

Remarks:

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

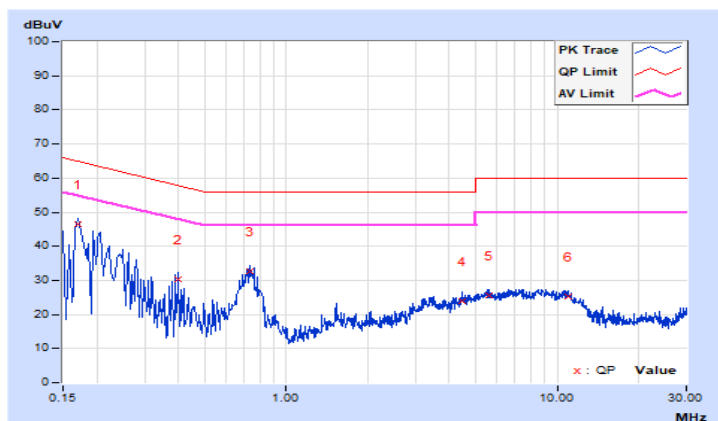


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Jed Wu		

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	0.16977	10.11	36.25	16.14	46.36	26.25	64.97	54.97	-18.61	-28.72
2	0.39800	10.19	19.95	4.96	30.14	15.15	57.90	47.90	-27.76	-32.75
3	0.73000	10.23	22.56	16.88	32.79	27.11	56.00	46.00	-23.21	-18.89
4	4.45000	10.45	13.54	8.70	23.99	19.15	56.00	46.00	-32.01	-26.85
5	5.59800	10.49	15.03	9.64	25.52	20.13	60.00	50.00	-34.48	-29.87
6	11.01400	10.68	14.69	9.09	25.37	19.77	60.00	50.00	-34.63	-30.23

Remarks:

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



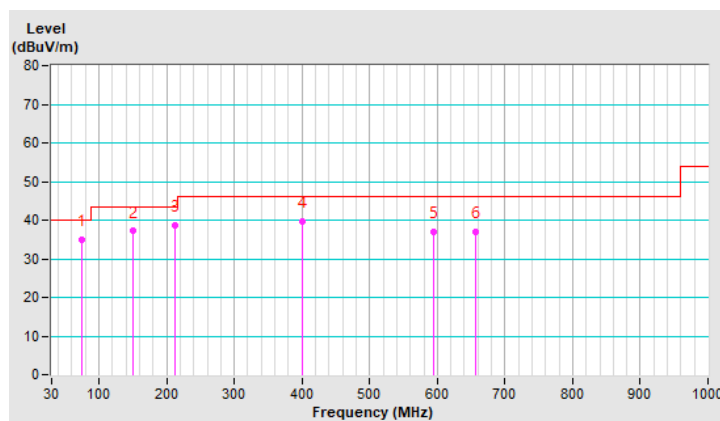
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 53% 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	74.47	35.0 QP	40.0	-5.0	1.37 H	190	47.0	-12.0
2	149.99	37.2 QP	43.5	-6.3	1.24 H	224	45.5	-8.3
3	212.99	38.6 QP	43.5	-4.9	1.79 H	40	49.3	-10.7
4	399.91	39.8 QP	46.0	-6.2	1.93 H	318	43.8	-4.0
5	594.01	36.9 QP	46.0	-9.1	1.83 H	315	36.3	0.6
6	656.18	36.9 QP	46.0	-9.1	1.25 H	127	35.0	1.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

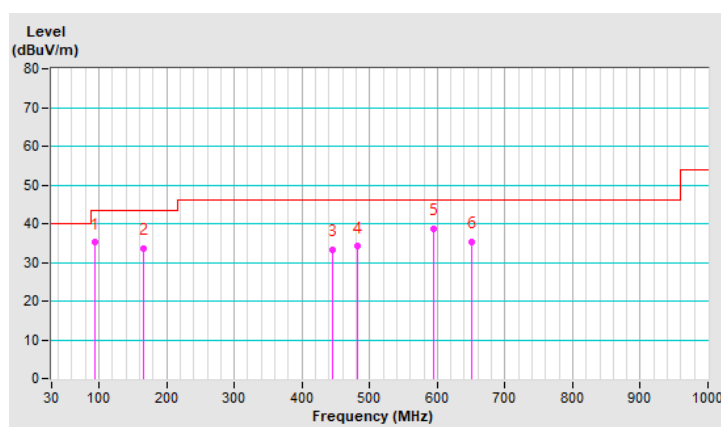


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 53% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	94.55	35.1 QP	43.5	-8.4	1.85 V	213	49.0	-13.9
2	164.83	33.5 QP	43.5	-10.0	1.24 V	2	41.9	-8.4
3	445.45	33.3 QP	46.0	-12.7	1.37 V	174	35.8	-2.5
4	482.12	34.1 QP	46.0	-11.9	1.08 V	61	36.1	-2.0
5	594.01	38.7 QP	46.0	-7.3	1.65 V	187	38.1	0.6
6	650.22	35.3 QP	46.0	-10.7	1.97 V	192	33.6	1.7

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 of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.9 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.5 PK	74.0	-12.5	1.41 H	288	53.2	8.3
2	5150.00	47.8 AV	54.0	-6.2	1.41 H	288	39.5	8.3
3	*5180.00	106.4 PK			1.41 H	288	98.0	8.4
4	*5180.00	95.8 AV			1.41 H	288	87.4	8.4
5	#10360.00	55.7 PK	68.2	-12.5	1.72 H	255	40.1	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.2 PK	74.0	-12.8	2.75 V	261	52.9	8.3
2	5150.00	47.6 AV	54.0	-6.4	2.75 V	261	39.3	8.3
3	*5180.00	103.9 PK			2.75 V	261	95.5	8.4
4	*5180.00	93.6 AV			2.75 V	261	85.2	8.4
5	#10360.00	55.4 PK	68.2	-12.8	2.50 V	228	39.8	15.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	106.7 PK			1.37 H	285	98.3	8.4
2	*5200.00	96.1 AV			1.37 H	285	87.7	8.4
3	#10400.00	56.4 PK	68.2	-11.8	1.68 H	258	40.5	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	104.2 PK			2.71 V	258	95.8	8.4
2	*5200.00	93.7 AV			2.71 V	258	85.3	8.4
3	#10400.00	56.1 PK	68.2	-12.1	2.46 V	225	40.2	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	107.6 PK			1.39 H	291	98.8	8.8
2	*5240.00	96.8 AV			1.39 H	291	88.0	8.8
3	5350.00	61.2 PK	74.0	-12.8	1.39 H	291	52.1	9.1
4	5350.00	48.2 AV	54.0	-5.8	1.39 H	291	39.1	9.1
5	#10480.00	56.5 PK	68.2	-11.7	1.70 H	252	40.9	15.6

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	105.2 PK			2.73 V	264	96.4	8.8
2	*5240.00	94.5 AV			2.73 V	264	85.7	8.8
3	5350.00	61.1 PK	74.0	-12.9	2.73 V	264	52.0	9.1
4	5350.00	48.1 AV	54.0	-5.9	2.73 V	264	39.0	9.1
5	#10480.00	56.2 PK	68.2	-12.0	2.48 V	230	40.6	15.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.7 PK	74.0	-12.3	1.13 H	288	53.4	8.3
2	5150.00	47.3 AV	54.0	-6.7	1.13 H	288	39.0	8.3
3	*5260.00	109.0 PK			1.13 H	288	100.1	8.9
4	*5260.00	98.4 AV			1.13 H	288	89.5	8.9
5	#10520.00	55.8 PK	68.2	-12.4	1.44 H	254	40.2	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.8 PK	74.0	-13.2	2.47 V	262	52.5	8.3
2	5150.00	47.2 AV	54.0	-6.8	2.47 V	262	38.9	8.3
3	*5260.00	107.0 PK			2.47 V	262	98.1	8.9
4	*5260.00	97.0 AV			2.47 V	262	88.1	8.9
5	#10520.00	55.5 PK	68.2	-12.7	2.22 V	227	39.9	15.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.1 PK			1.21 H	290	100.0	9.1
2	*5300.00	98.5 AV			1.21 H	290	89.4	9.1
3	10600.00	56.1 PK	74.0	-17.9	1.53 H	257	40.3	15.8
4	10600.00	43.5 AV	54.0	-10.5	1.53 H	257	27.7	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	106.5 PK			2.55 V	263	97.4	9.1
2	*5300.00	95.9 AV			2.55 V	263	86.8	9.1
3	10600.00	55.8 PK	74.0	-18.2	2.70 V	230	40.0	15.8
4	10600.00	43.2 AV	54.0	-10.8	2.70 V	230	27.4	15.8

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	109.9 PK			1.18 H	291	100.8	9.1
2	*5320.00	98.4 AV			1.18 H	291	89.3	9.1
3	5350.00	61.6 PK	74.0	-12.4	1.18 H	291	52.5	9.1
4	5350.00	47.9 AV	54.0	-6.1	1.18 H	291	38.8	9.1
5	10640.00	56.9 PK	74.0	-17.1	1.56 H	258	41.1	15.8
6	10640.00	44.3 AV	54.0	-9.7	1.56 H	258	28.5	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	107.8 PK			2.52 V	264	98.7	9.1
2	*5320.00	96.8 AV			2.52 V	264	87.7	9.1
3	5350.00	61.5 PK	74.0	-12.5	2.52 V	264	52.4	9.1
4	5350.00	47.8 AV	54.0	-6.2	2.52 V	264	38.7	9.1
5	10640.00	56.6 PK	74.0	-17.4	2.27 V	231	40.8	15.8
6	10640.00	44.0 AV	54.0	-10.0	2.27 V	231	28.2	15.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.5 PK	74.0	-12.5	1.43 H	59	52.4	9.1
2	5460.00	48.1 AV	54.0	-5.9	1.43 H	59	39.0	9.1
3	#5470.00	61.5 PK	68.2	-6.7	1.43 H	59	52.5	9.0
4	*5500.00	109.2 PK			1.43 H	59	100.2	9.0
5	*5500.00	97.7 AV			1.43 H	59	88.7	9.0
6	11000.00	57.0 PK	74.0	-17.0	1.85 H	20	40.4	16.6
7	11000.00	44.4 AV	54.0	-9.6	1.85 H	20	27.8	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	2.73 V	130	51.6	9.1
2	5460.00	48.0 AV	54.0	-6.0	2.73 V	130	38.9	9.1
3	#5470.00	61.3 PK	68.2	-6.9	2.73 V	130	52.3	9.0
4	*5500.00	106.4 PK			2.73 V	130	97.4	9.0
5	*5500.00	95.7 AV			2.73 V	130	86.7	9.0
6	11000.00	56.7 PK	74.0	-17.3	2.48 V	97	40.1	16.6
7	11000.00	44.1 AV	54.0	-9.9	2.48 V	97	27.5	16.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	109.3 PK			1.40 H	63	100.5	8.8
2	*5580.00	97.8 AV			1.40 H	63	89.0	8.8
3	11160.00	57.9 PK	74.0	-16.1	1.82 H	24	40.7	17.2
4	11160.00	45.3 AV	54.0	-8.7	1.82 H	24	28.1	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	106.5 PK			2.76 V	126	97.7	8.8
2	*5580.00	95.8 AV			2.76 V	126	87.0	8.8
3	11160.00	57.6 PK	74.0	-16.4	2.51 V	93	40.4	17.2
4	11160.00	45.0 AV	54.0	-9.0	2.51 V	93	27.8	17.2

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	109.1 PK			1.43 H	253	100.7	8.4
2	*5700.00	98.6 AV			1.43 H	253	90.2	8.4
3	#5725.00	60.8 PK	68.2	-7.4	1.43 H	253	52.4	8.4
4	11400.00	58.1 PK	74.0	-15.9	1.86 H	214	40.9	17.2
5	11400.00	45.5 AV	54.0	-8.5	1.86 H	214	28.3	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.7 PK			2.72 V	324	98.3	8.4
2	*5700.00	96.0 AV			2.72 V	324	87.6	8.4
3	#5725.00	60.5 PK	68.2	-7.7	2.72 V	324	52.1	8.4
4	11400.00	57.8 PK	74.0	-16.2	2.47 V	291	40.6	17.2
5	11400.00	45.2 AV	54.0	-8.8	2.47 V	291	28.0	17.2

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	#5604.62	60.3 PK	68.2	-7.9	1.42 H	71	51.7	8.6
2	*5745.00	110.2 PK			1.42 H	71	101.9	8.3
3	*5745.00	99.6 AV			1.42 H	71	91.3	8.3
4	#6021.68	61.4 PK	68.2	-6.8	1.42 H	71	52.5	8.9
5	11490.00	58.9 PK	74.0	-15.1	1.86 H	32	41.1	17.8
6	11490.00	46.3 AV	54.0	-7.7	1.86 H	32	28.5	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5576.12	60.4 PK	68.2	-7.8	2.74 V	142	51.6	8.8
2	*5745.00	107.6 PK			2.74 V	142	99.3	8.3
3	*5745.00	97.7 AV			2.74 V	142	89.4	8.3
4	#6019.77	61.0 PK	68.2	-7.2	2.74 V	142	52.1	8.9
5	11490.00	58.6 PK	74.0	-15.4	2.49 V	109	40.8	17.8
6	11490.00	46.0 AV	54.0	-8.0	2.49 V	109	28.2	17.8

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	#5591.80	61.0 PK	68.2	-7.2	1.58 H	255	52.4	8.6
2	*5785.00	111.1 PK			1.58 H	255	102.9	8.2
3	*5785.00	100.4 AV			1.58 H	255	92.2	8.2
4	#6015.02	61.6 PK	68.2	-6.6	1.58 H	255	52.7	8.9
5	11570.00	57.9 PK	74.0	-16.1	2.02 H	216	40.1	17.8
6	11570.00	45.3 AV	54.0	-8.7	2.02 H	216	27.5	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.45	60.6 PK	68.2	-7.6	2.58 V	326	52.2	8.4
2	*5785.00	108.7 PK			2.58 V	326	100.5	8.2
3	*5785.00	97.8 AV			2.58 V	326	89.6	8.2
4	#6015.02	61.2 PK	68.2	-7.0	2.58 V	326	52.3	8.9
5	11570.00	57.6 PK	74.0	-16.4	2.33 V	293	39.8	17.8
6	11570.00	45.0 AV	54.0	-9.0	2.33 V	293	27.2	17.8

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	#5569.00	60.8 PK	68.2	-7.4	1.57 H	253	52.0	8.8
2	*5825.00	111.0 PK			1.57 H	253	102.8	8.2
3	*5825.00	100.5 AV			1.57 H	253	92.3	8.2
4	#6017.40	61.9 PK	68.2	-6.3	1.57 H	253	53.0	8.9
5	11650.00	57.7 PK	74.0	-16.3	2.01 H	214	40.0	17.7
6	11650.00	45.1 AV	54.0	-8.9	2.01 H	214	27.4	17.7
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	#5550.48	60.4 PK	68.2	-7.8	2.57 V	324	51.5	8.9
2	*5825.00	108.6 PK			2.57 V	324	100.4	8.2
3	*5825.00	98.3 AV			2.57 V	324	90.1	8.2
4	#5966.57	60.6 PK	68.2	-7.6	2.57 V	324	52.0	8.6
5	11650.00	57.4 PK	74.0	-16.6	2.32 V	291	39.7	17.7
6	11650.00	44.8 AV	54.0	-9.2	2.32 V	291	27.1	17.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.5 PK	74.0	-12.5	1.21 H	295	53.2	8.3
2	5150.00	47.4 AV	54.0	-6.6	1.21 H	295	39.1	8.3
3	*5180.00	111.0 PK			1.21 H	295	102.6	8.4
4	*5180.00	97.7 AV			1.21 H	295	89.3	8.4
5	#10360.00	56.3 PK	68.2	-11.9	1.92 H	262	40.7	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.2 PK	74.0	-12.8	2.55 V	268	52.9	8.3
2	5150.00	47.3 AV	54.0	-6.7	2.55 V	268	39.0	8.3
3	*5180.00	108.7 PK			2.55 V	268	100.3	8.4
4	*5180.00	95.5 AV			2.55 V	268	87.1	8.4
5	#10360.00	56.0 PK	68.2	-12.2	2.30 V	235	40.4	15.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.6 PK			1.35 H	287	102.2	8.4
2	*5200.00	97.3 AV			1.35 H	287	88.9	8.4
3	#10400.00	56.4 PK	68.2	-11.8	1.66 H	254	40.5	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	108.1 PK			2.69 V	260	99.7	8.4
2	*5200.00	94.8 AV			2.69 V	260	86.4	8.4
3	#10400.00	56.1 PK	68.2	-12.1	2.44 V	229	40.2	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	110.7 PK			1.22 H	290	101.9	8.8
2	*5240.00	97.3 AV			1.22 H	290	88.5	8.8
3	5350.00	60.9 PK	74.0	-13.1	1.22 H	290	51.8	9.1
4	5350.00	48.1 AV	54.0	-5.9	1.22 H	290	39.0	9.1
5	#10480.00	55.8 PK	68.2	-12.4	1.53 H	251	40.2	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	108.4 PK			2.56 V	259	99.6	8.8
2	*5240.00	95.4 AV			2.56 V	259	86.6	8.8
3	5350.00	60.5 PK	74.0	-13.5	2.56 V	259	51.4	9.1
4	5350.00	48.0 AV	54.0	-6.0	2.56 V	259	38.9	9.1
5	#10480.00	55.5 PK	68.2	-12.7	2.31 V	226	39.9	15.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.5 PK	74.0	-12.5	1.15 H	289	53.2	8.3
2	5150.00	47.4 AV	54.0	-6.6	1.15 H	289	39.1	8.3
3	*5260.00	111.5 PK			1.15 H	289	102.6	8.9
4	*5260.00	98.1 AV			1.15 H	289	89.2	8.9
5	#10520.00	55.9 PK	68.2	-12.3	1.53 H	256	40.3	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.3 PK	74.0	-12.7	2.49 V	262	53.0	8.3
2	5150.00	47.3 AV	54.0	-6.7	2.49 V	262	39.0	8.3
3	*5260.00	109.1 PK			2.49 V	262	100.2	8.9
4	*5260.00	95.7 AV			2.49 V	262	86.8	8.9
5	#10520.00	55.6 PK	68.2	-12.6	2.24 V	229	40.0	15.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	111.9 PK			1.17 H	286	102.8	9.1
2	*5300.00	98.5 AV			1.17 H	286	89.4	9.1
3	10600.00	56.8 PK	74.0	-17.2	1.57 H	253	41.0	15.8
4	10600.00	44.2 AV	54.0	-9.8	1.57 H	253	28.4	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.6 PK			2.51 V	259	100.5	9.1
2	*5300.00	96.1 AV			2.51 V	259	87.0	9.1
3	10600.00	56.5 PK	74.0	-17.5	2.26 V	230	40.7	15.8
4	10600.00	43.9 AV	54.0	-10.1	2.26 V	230	28.1	15.8

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	112.6 PK			1.12 H	291	103.5	9.1
2	*5320.00	98.5 AV			1.12 H	291	89.4	9.1
3	5350.00	61.6 PK	74.0	-12.4	1.12 H	291	52.5	9.1
4	5350.00	48.1 AV	54.0	-5.9	1.12 H	291	39.0	9.1
5	10640.00	57.5 PK	74.0	-16.5	1.52 H	248	41.7	15.8
6	10640.00	44.9 AV	54.0	-9.1	1.52 H	248	29.1	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.3 PK			2.46 V	258	101.2	9.1
2	*5320.00	96.5 AV			2.46 V	258	87.4	9.1
3	5350.00	61.2 PK	74.0	-12.8	2.46 V	258	52.1	9.1
4	5350.00	48.0 AV	54.0	-6.0	2.46 V	258	38.9	9.1
5	10640.00	57.2 PK	74.0	-16.8	2.21 V	231	41.4	15.8
6	10640.00	44.6 AV	54.0	-9.4	2.21 V	231	28.8	15.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.6 PK	74.0	-12.4	1.36 H	60	52.5	9.1
2	5460.00	48.2 AV	54.0	-5.8	1.36 H	60	39.1	9.1
3	#5470.00	61.0 PK	68.2	-7.2	1.36 H	60	52.0	9.0
4	*5500.00	111.4 PK			1.36 H	60	102.4	9.0
5	*5500.00	98.2 AV			1.36 H	60	89.2	9.0
6	11000.00	57.2 PK	74.0	-16.8	1.78 H	21	40.6	16.6
7	11000.00	44.6 AV	54.0	-9.4	1.78 H	21	28.0	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	2.66 V	129	52.2	9.1
2	5460.00	48.1 AV	54.0	-5.9	2.66 V	129	39.0	9.1
3	#5470.00	60.9 PK	68.2	-7.3	2.66 V	129	51.9	9.0
4	*5500.00	108.5 PK			2.66 V	129	99.5	9.0
5	*5500.00	95.1 AV			2.66 V	129	86.1	9.0
6	11000.00	56.9 PK	74.0	-17.1	2.41 V	96	40.3	16.6
7	11000.00	44.3 AV	54.0	-9.7	2.41 V	96	27.7	16.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	111.0 PK			1.33 H	55	102.2	8.8
2	*5580.00	97.8 AV			1.33 H	55	89.0	8.8
3	11160.00	58.0 PK	74.0	-16.0	1.75 H	26	40.8	17.2
4	11160.00	45.4 AV	54.0	-8.6	1.75 H	26	28.2	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	108.4 PK			2.64 V	135	99.6	8.8
2	*5580.00	95.2 AV			2.64 V	135	86.4	8.8
3	11160.00	57.7 PK	74.0	-16.3	2.39 V	102	40.5	17.2
4	11160.00	45.1 AV	54.0	-8.9	2.39 V	102	27.9	17.2

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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			1.42 H	255	103.1	8.4
2	*5700.00	98.0 AV			1.42 H	255	89.6	8.4
3	#5725.00	60.7 PK	68.2	-7.5	1.42 H	255	52.3	8.4
4	11400.00	58.5 PK	74.0	-15.5	1.84 H	216	41.3	17.2
5	11400.00	45.9 AV	54.0	-8.1	1.84 H	216	28.7	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	109.0 PK			2.74 V	326	100.6	8.4
2	*5700.00	95.7 AV			2.74 V	326	87.3	8.4
3	#5725.00	60.3 PK	68.2	-7.9	2.74 V	326	51.9	8.4
4	11400.00	58.2 PK	74.0	-15.8	2.47 V	293	41.0	17.2
5	11400.00	45.6 AV	54.0	-8.4	2.47 V	293	28.4	17.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	#5633.60	60.7 PK	68.2	-7.5	1.40 H	256	52.3	8.4
2	*5745.00	114.0 PK			1.40 H	256	105.7	8.3
3	*5745.00	100.5 AV			1.40 H	256	92.2	8.3
4	#6017.40	61.2 PK	68.2	-7.0	1.40 H	256	52.3	8.9
5	11490.00	58.1 PK	74.0	-15.9	1.84 H	217	40.3	17.8
6	11490.00	45.5 AV	54.0	-8.5	1.84 H	217	27.7	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5573.75	60.4 PK	68.2	-7.8	2.72 V	327	51.6	8.8
2	*5745.00	111.2 PK			2.72 V	327	102.9	8.3
3	*5745.00	98.3 AV			2.72 V	327	90.0	8.3
4	#5926.68	61.1 PK	68.2	-7.1	2.72 V	327	52.6	8.5
5	11490.00	57.8 PK	74.0	-16.2	2.47 V	294	40.0	17.8
6	11490.00	45.2 AV	54.0	-8.8	2.47 V	294	27.4	17.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5606.05	60.5 PK	68.2	-7.7	1.33 H	255	51.9	8.6
2	*5785.00	113.5 PK			1.33 H	255	105.3	8.2
3	*5785.00	100.3 AV			1.33 H	255	92.1	8.2
4	#5983.68	60.9 PK	68.2	-7.3	1.33 H	255	52.2	8.7
5	11570.00	58.5 PK	74.0	-15.5	1.77 H	218	40.7	17.8
6	11570.00	45.9 AV	54.0	-8.1	1.77 H	218	28.1	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.90	60.5 PK	68.2	-7.7	2.65 V	326	52.0	8.5
2	*5785.00	110.9 PK			2.65 V	326	102.7	8.2
3	*5785.00	97.9 AV			2.65 V	326	89.7	8.2
4	#5980.82	61.7 PK	68.2	-6.5	2.65 V	326	53.0	8.7
5	11570.00	58.2 PK	74.0	-15.8	2.40 V	293	40.4	17.8
6	11570.00	45.6 AV	54.0	-8.4	2.40 V	293	27.8	17.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	#5585.62	60.6 PK	68.2	-7.6	1.52 H	255	51.9	8.7
2	*5825.00	113.0 PK			1.52 H	255	104.8	8.2
3	*5825.00	99.8 AV			1.52 H	255	91.6	8.2
4	#6024.05	61.6 PK	68.2	-6.6	1.52 H	255	52.7	8.9
5	11650.00	58.9 PK	74.0	-15.1	1.96 H	219	41.2	17.7
6	11650.00	46.3 AV	54.0	-7.7	1.96 H	219	28.6	17.7
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	#5616.98	60.2 PK	68.2	-8.0	2.65 V	326	51.6	8.6
2	*5825.00	110.5 PK			2.65 V	326	102.3	8.2
3	*5825.00	97.2 AV			2.65 V	326	89.0	8.2
4	#5999.35	61.4 PK	68.2	-6.8	2.65 V	326	52.6	8.8
5	11650.00	58.6 PK	74.0	-15.4	2.39 V	293	40.9	17.7
6	11650.00	46.0 AV	54.0	-8.0	2.39 V	293	28.3	17.7

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 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.7 PK	74.0	-10.3	1.20 H	291	55.4	8.3
2	5150.00	49.1 AV	54.0	-4.9	1.20 H	291	40.8	8.3
3	*5190.00	109.5 PK			1.20 H	291	101.1	8.4
4	*5190.00	96.3 AV			1.20 H	291	87.9	8.4
5	#10380.00	56.8 PK	68.2	-11.4	1.51 H	252	41.0	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	2.54 V	264	53.7	8.3
2	5150.00	48.2 AV	54.0	-5.8	2.54 V	264	39.9	8.3
3	*5190.00	107.1 PK			2.54 V	264	98.7	8.4
4	*5190.00	94.2 AV			2.54 V	264	85.8	8.4
5	#10380.00	56.5 PK	68.2	-11.7	2.29 V	231	40.7	15.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	109.8 PK			1.19 H	289	101.2	8.6
2	*5230.00	96.2 AV			1.19 H	289	87.6	8.6
3	5350.00	61.7 PK	74.0	-12.3	1.19 H	289	52.6	9.1
4	5350.00	48.0 AV	54.0	-6.0	1.19 H	289	38.9	9.1
5	#10460.00	56.9 PK	68.2	-11.3	1.52 H	250	41.1	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	106.8 PK			2.53 V	262	98.2	8.6
2	*5230.00	93.9 AV			2.53 V	262	85.3	8.6
3	5350.00	61.5 PK	74.0	-12.5	2.53 V	262	52.4	9.1
4	5350.00	47.9 AV	54.0	-6.1	2.53 V	262	38.8	9.1
5	#10460.00	56.6 PK	68.2	-11.6	2.28 V	227	40.8	15.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.0 PK	74.0	-13.0	1.12 H	290	52.7	8.3
2	5150.00	47.7 AV	54.0	-6.3	1.12 H	290	39.4	8.3
3	*5270.00	110.2 PK			1.12 H	290	101.3	8.9
4	*5270.00	96.5 AV			1.12 H	290	87.6	8.9
5	#10540.00	57.1 PK	68.2	-11.1	1.53 H	247	41.5	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.7 PK	74.0	-13.3	2.44 V	259	52.4	8.3
2	5150.00	47.6 AV	54.0	-6.4	2.44 V	259	39.3	8.3
3	*5270.00	107.5 PK			2.44 V	259	98.6	8.9
4	*5270.00	94.9 AV			2.44 V	259	86.0	8.9
5	#10540.00	56.8 PK	68.2	-11.4	2.19 V	225	41.2	15.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	109.7 PK			1.11 H	289	100.6	9.1
2	*5310.00	96.3 AV			1.11 H	289	87.2	9.1
3	5350.00	62.2 PK	74.0	-11.8	1.11 H	289	53.1	9.1
4	5350.00	48.3 AV	54.0	-5.7	1.11 H	289	39.2	9.1
5	10620.00	56.6 PK	74.0	-17.4	1.53 H	250	40.8	15.8
6	10620.00	44.0 AV	54.0	-10.0	1.53 H	250	28.2	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	107.5 PK			2.45 V	260	98.4	9.1
2	*5310.00	94.5 AV			2.45 V	260	85.4	9.1
3	5350.00	61.9 PK	74.0	-12.1	2.45 V	260	52.8	9.1
4	5350.00	48.2 AV	54.0	-5.8	2.45 V	260	39.1	9.1
5	10620.00	56.3 PK	74.0	-17.7	2.21 V	229	40.5	15.8
6	10620.00	43.7 AV	54.0	-10.3	2.21 V	229	27.9	15.8

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.4 PK	74.0	-12.6	1.42 H	61	52.3	9.1
2	5460.00	48.0 AV	54.0	-6.0	1.42 H	61	38.9	9.1
3	#5470.00	62.7 PK	68.2	-5.5	1.42 H	61	53.7	9.0
4	*5510.00	108.6 PK			1.42 H	61	99.6	9.0
5	*5510.00	95.3 AV			1.42 H	61	86.3	9.0
6	11020.00	57.6 PK	74.0	-16.4	1.86 H	22	41.0	16.6
7	11020.00	45.0 AV	54.0	-9.0	1.86 H	22	28.4	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	2.72 V	128	52.4	9.1
2	5460.00	48.0 AV	54.0	-6.0	2.72 V	128	38.9	9.1
3	#5470.00	61.8 PK	68.2	-6.4	2.72 V	128	52.8	9.0
4	*5510.00	105.8 PK			2.72 V	128	96.8	9.0
5	*5510.00	92.7 AV			2.72 V	128	83.7	9.0
6	11020.00	57.3 PK	74.0	-16.7	2.49 V	99	40.7	16.6
7	11020.00	44.7 AV	54.0	-9.3	2.49 V	99	28.1	16.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	108.8 PK			1.38 H	57	99.9	8.9
2	*5550.00	95.5 AV			1.38 H	57	86.6	8.9
3	11100.00	58.0 PK	74.0	-16.0	1.82 H	18	41.3	16.7
4	11100.00	45.4 AV	54.0	-8.6	1.82 H	18	28.7	16.7
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	*5550.00	106.1 PK			2.68 V	132	97.2	8.9
2	*5550.00	92.8 AV			2.68 V	132	83.9	8.9
3	11100.00	57.7 PK	74.0	-16.3	2.43 V	95	41.0	16.7
4	11100.00	45.1 AV	54.0	-8.9	2.43 V	95	28.4	16.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	108.5 PK			1.29 H	53	100.1	8.4
2	*5670.00	95.2 AV			1.29 H	53	86.8	8.4
3	#5725.00	61.7 PK	68.2	-6.5	1.29 H	53	53.3	8.4
4	11340.00	57.3 PK	74.0	-16.7	1.71 H	26	40.3	17.0
5	11340.00	44.7 AV	54.0	-9.3	1.71 H	26	27.7	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	105.8 PK			2.59 V	124	97.4	8.4
2	*5670.00	92.7 AV			2.59 V	124	84.3	8.4
3	#5725.00	61.1 PK	68.2	-7.1	2.59 V	124	52.7	8.4
4	11340.00	57.0 PK	74.0	-17.0	2.34 V	91	40.0	17.0
5	11340.00	44.4 AV	54.0	-9.6	2.34 V	91	27.4	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 (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	#5621.73	60.6 PK	68.2	-7.6	1.46 H	256	52.1	8.5
2	*5755.00	111.3 PK			1.46 H	256	102.9	8.4
3	*5755.00	97.7 AV			1.46 H	256	89.3	8.4
4	#5988.90	61.7 PK	68.2	-6.5	1.46 H	256	52.9	8.8
5	11510.00	57.9 PK	74.0	-16.1	1.90 H	217	40.1	17.8
6	11510.00	45.3 AV	54.0	-8.7	1.90 H	217	27.5	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5556.18	60.7 PK	68.2	-7.5	2.78 V	336	51.9	8.8
2	*5755.00	108.5 PK			2.78 V	336	100.1	8.4
3	*5755.00	95.2 AV			2.78 V	336	86.8	8.4
4	#6015.02	62.0 PK	68.2	-6.2	2.78 V	336	53.1	8.9
5	11510.00	57.6 PK	74.0	-16.4	2.45 V	303	39.8	17.8
6	11510.00	45.0 AV	54.0	-9.0	2.45 V	303	27.2	17.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5603.68	60.3 PK	68.2	-7.9	1.21 H	258	51.7	8.6
2	*5795.00	111.2 PK			1.21 H	258	103.0	8.2
3	*5795.00	97.9 AV			1.21 H	258	89.7	8.2
4	#5979.40	61.2 PK	68.2	-7.0	1.21 H	258	52.5	8.7
5	11590.00	57.8 PK	74.0	-16.2	1.65 H	219	40.0	17.8
6	11590.00	45.2 AV	54.0	-8.8	1.65 H	219	27.4	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5558.55	60.4 PK	68.2	-7.8	2.53 V	329	51.6	8.8
2	*5795.00	108.8 PK			2.53 V	329	100.6	8.2
3	*5795.00	95.8 AV			2.53 V	329	87.6	8.2
4	#6017.87	61.5 PK	68.2	-6.7	2.53 V	329	52.6	8.9
5	11590.00	57.5 PK	74.0	-16.5	2.28 V	296	39.7	17.8
6	11590.00	44.9 AV	54.0	-9.1	2.28 V	296	27.1	17.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.8 PK	74.0	-9.2	1.20 H	292	56.5	8.3
2	5150.00	49.5 AV	54.0	-4.5	1.20 H	292	41.2	8.3
3	*5210.00	106.9 PK			1.20 H	292	98.4	8.5
4	*5210.00	93.3 AV			1.20 H	292	84.8	8.5
5	5350.00	61.2 PK	74.0	-12.8	1.20 H	292	52.1	9.1
6	5350.00	47.8 AV	54.0	-6.2	1.20 H	292	38.7	9.1
7	#10420.00	56.4 PK	68.2	-11.8	1.50 H	259	40.5	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.0 PK	74.0	-10.0	2.54 V	265	55.7	8.3
2	5150.00	49.1 AV	54.0	-4.9	2.54 V	265	40.8	8.3
3	*5210.00	104.5 PK			2.54 V	265	96.0	8.5
4	*5210.00	91.3 AV			2.54 V	265	82.8	8.5
5	5350.00	60.9 PK	74.0	-13.1	2.54 V	265	51.8	9.1
6	5350.00	47.7 AV	54.0	-6.3	2.54 V	265	38.6	9.1
7	#10420.00	56.1 PK	68.2	-12.1	2.29 V	232	40.2	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	61.1 PK	74.0	-12.9	1.18 H	288	52.8	8.3
2	5150.00	47.6 AV	54.0	-6.4	1.18 H	288	39.3	8.3
3	*5290.00	106.6 PK			1.18 H	288	97.5	9.1
4	*5290.00	93.7 AV			1.18 H	288	84.6	9.1
5	5350.00	62.3 PK	74.0	-11.7	1.18 H	288	53.2	9.1
6	5350.00	48.6 AV	54.0	-5.4	1.18 H	288	39.5	9.1
7	#10580.00	56.4 PK	68.2	-11.8	1.49 H	256	40.6	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.9 PK	74.0	-13.1	2.51 V	260	52.6	8.3
2	5150.00	47.5 AV	54.0	-6.5	2.51 V	260	39.2	8.3
3	*5290.00	104.3 PK			2.51 V	260	95.2	9.1
4	*5290.00	91.4 AV			2.51 V	260	82.3	9.1
5	5350.00	61.6 PK	74.0	-12.4	2.51 V	260	52.5	9.1
6	5350.00	48.3 AV	54.0	-5.7	2.51 V	260	39.2	9.1
7	#10580.00	56.1 PK	68.2	-12.1	2.27 V	229	40.3	15.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	62.3 PK	74.0	-11.7	1.18 H	59	53.2	9.1
2	5460.00	48.9 AV	54.0	-5.1	1.18 H	59	39.8	9.1
3	#5470.00	62.5 PK	68.2	-5.7	1.18 H	59	53.5	9.0
4	*5530.00	105.8 PK			1.18 H	59	96.9	8.9
5	*5530.00	92.4 AV			1.18 H	59	83.5	8.9
6	11060.00	56.7 PK	74.0	-17.3	1.60 H	19	40.1	16.6
7	11060.00	44.1 AV	54.0	-9.9	1.60 H	19	27.5	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.0 PK	74.0	-12.0	2.48 V	130	52.9	9.1
2	5460.00	48.4 AV	54.0	-5.6	2.48 V	130	39.3	9.1
3	#5470.00	62.3 PK	68.2	-5.9	2.48 V	130	53.3	9.0
4	*5530.00	103.2 PK			2.48 V	130	94.3	8.9
5	*5530.00	90.5 AV			2.48 V	130	81.6	8.9
6	11060.00	56.4 PK	74.0	-17.6	2.23 V	96	39.8	16.6
7	11060.00	43.8 AV	54.0	-10.2	2.23 V	96	27.2	16.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% 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	106.4 PK			1.21 H	54	97.8	8.6
2	*5610.00	92.9 AV			1.21 H	54	84.3	8.6
3	#5725.00	61.2 PK	68.2	-7.0	1.21 H	54	52.8	8.4
4	11220.00	58.4 PK	74.0	-15.6	1.57 H	24	41.0	17.4
5	11220.00	45.8 AV	54.0	-8.2	1.57 H	24	28.4	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	*5610.00	103.7 PK			2.51 V	135	95.1	8.6
2	*5610.00	90.9 AV			2.51 V	135	82.3	8.6
3	#5725.00	60.7 PK	68.2	-7.5	2.51 V	135	52.3	8.4
4	11220.00	58.1 PK	74.0	-15.9	2.26 V	92	40.7	17.4
5	11220.00	45.5 AV	54.0	-8.5	2.26 V	92	28.1	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 (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	14°C, 58% RH
Tested By	Jed Wu		

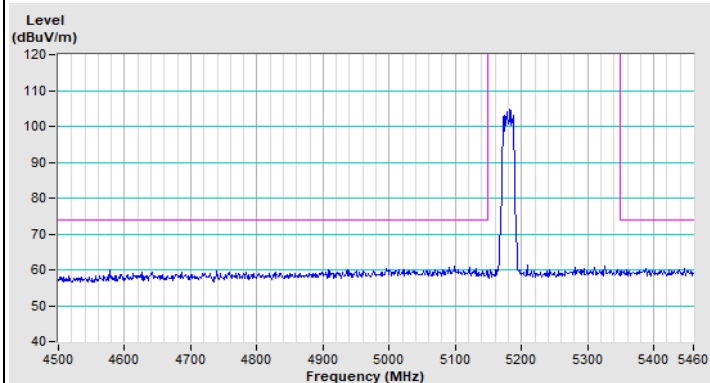
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5588.95	60.0 PK	68.2	-8.2	1.22 H	258	51.4	8.6
2	*5775.00	108.4 PK			1.22 H	258	100.2	8.2
3	*5775.00	94.6 AV			1.22 H	258	86.4	8.2
4	#6024.05	61.1 PK	68.2	-7.1	1.22 H	258	52.2	8.9
5	11550.00	58.2 PK	74.0	-15.8	1.67 H	219	40.4	17.8
6	11550.00	45.6 AV	54.0	-8.4	1.67 H	219	27.8	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5615.55	60.8 PK	68.2	-7.4	2.53 V	329	52.2	8.6
2	*5775.00	106.1 PK			2.53 V	329	97.9	8.2
3	*5775.00	93.0 AV			2.53 V	329	84.8	8.2
4	#5941.40	61.6 PK	68.2	-6.6	2.53 V	329	53.0	8.6
5	11550.00	57.9 PK	74.0	-16.1	2.28 V	296	40.1	17.8
6	11550.00	45.3 AV	54.0	-8.7	2.28 V	296	27.5	17.8

Remarks:

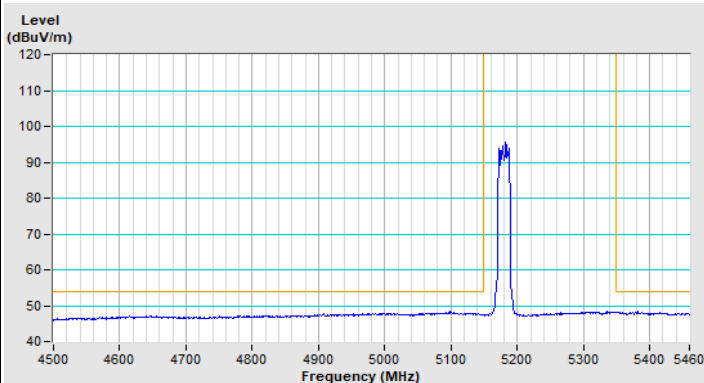
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

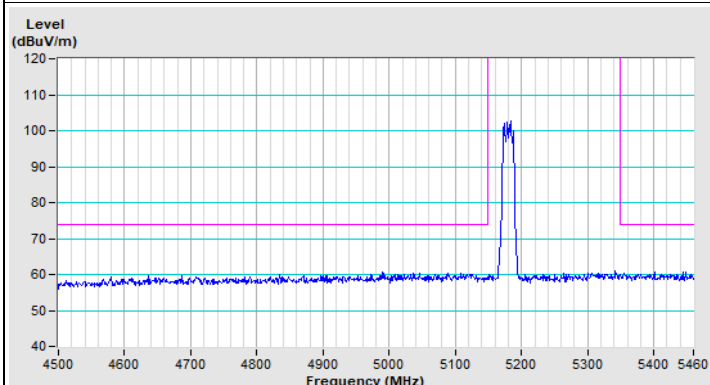
802.11a Channel 36



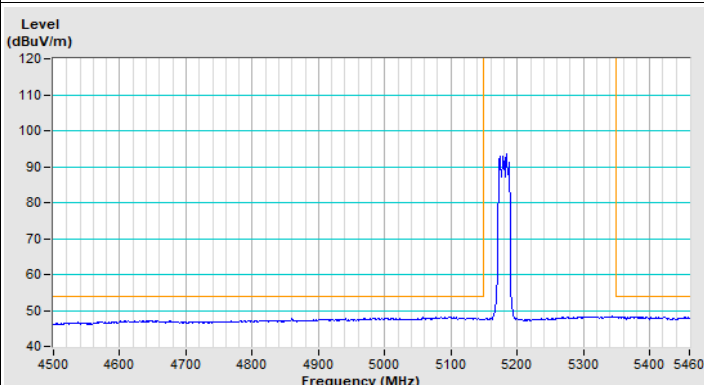
Horizontal (Peak)



Horizontal (Average)

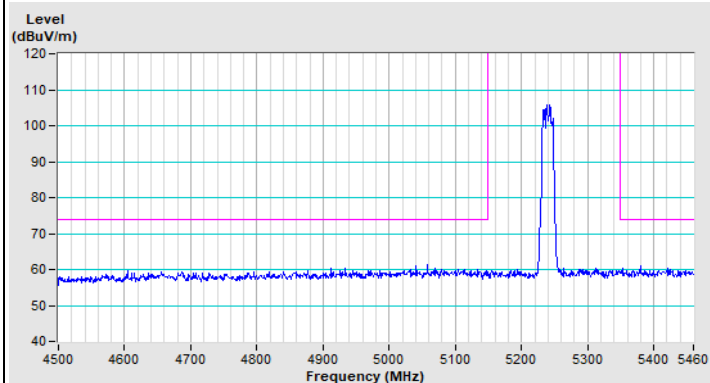


Vertical (Peak)

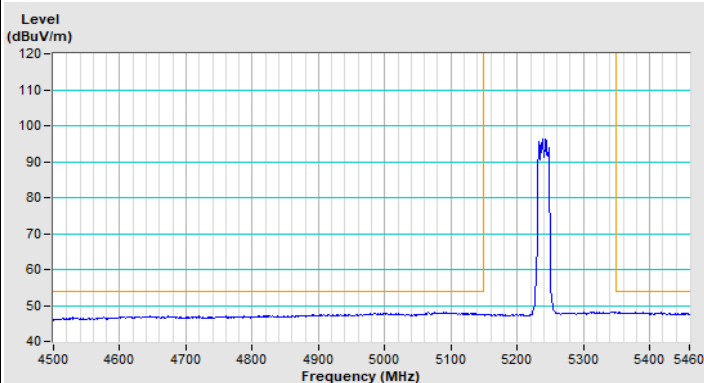


Vertical (Average)

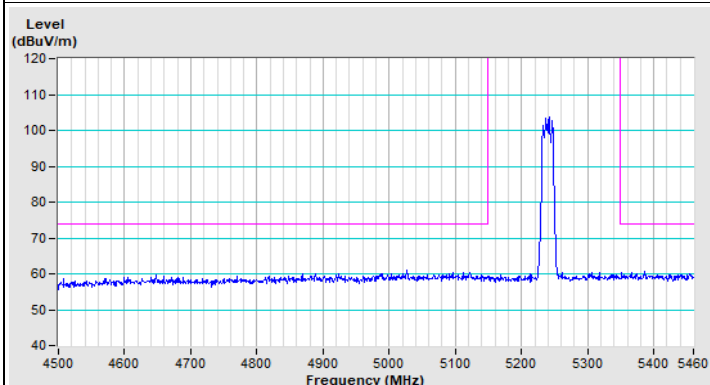
802.11a Channel 48



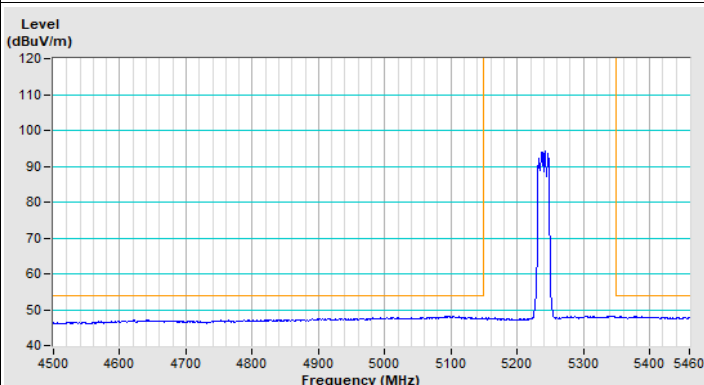
Horizontal (Peak)



Horizontal (Average)

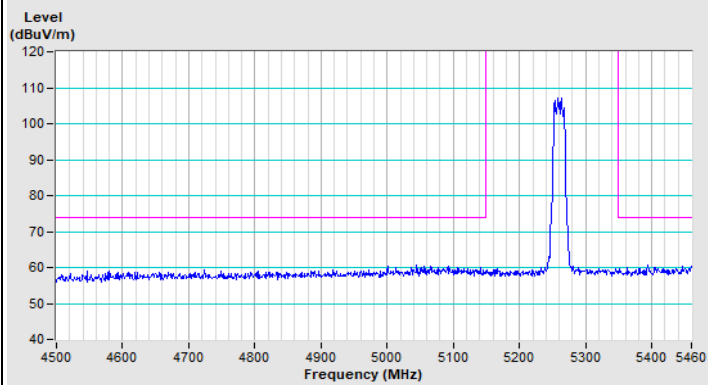


Vertical (Peak)

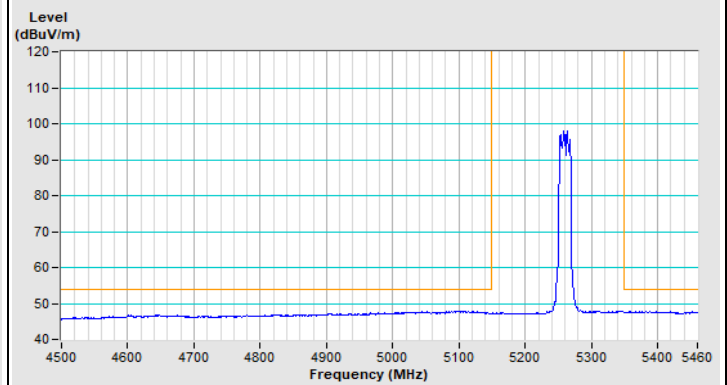


Vertical (Average)

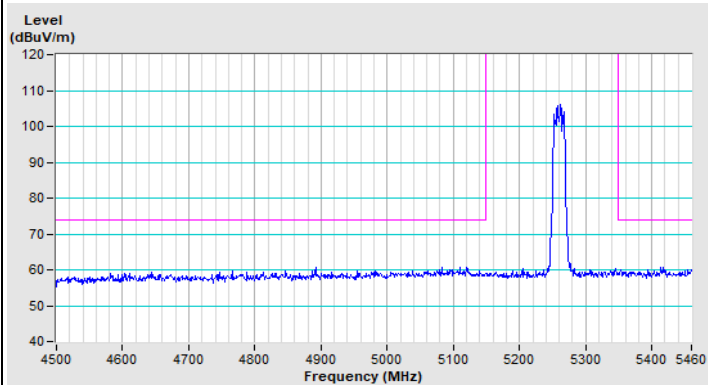
802.11a Channel 52



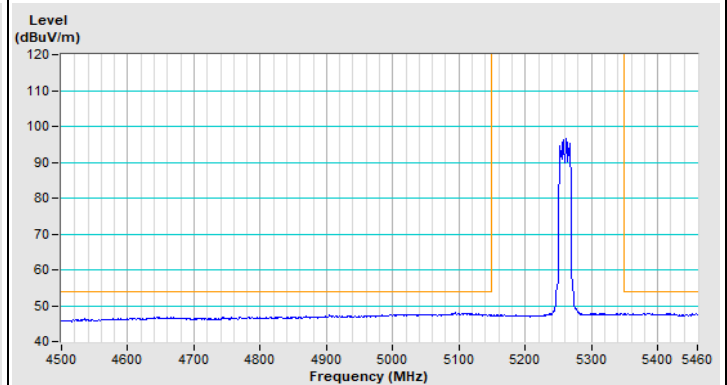
Horizontal (Peak)



Horizontal (Average)

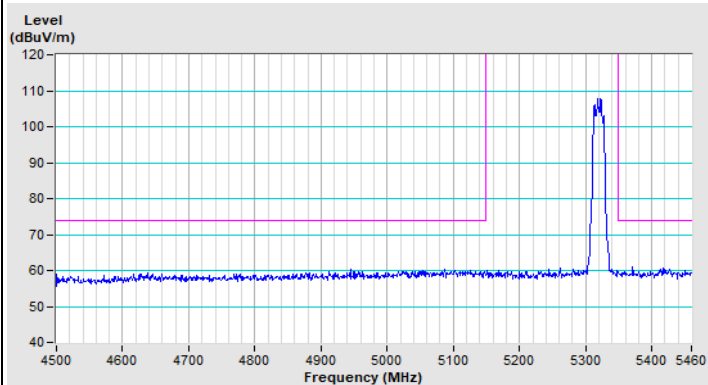


Vertical (Peak)

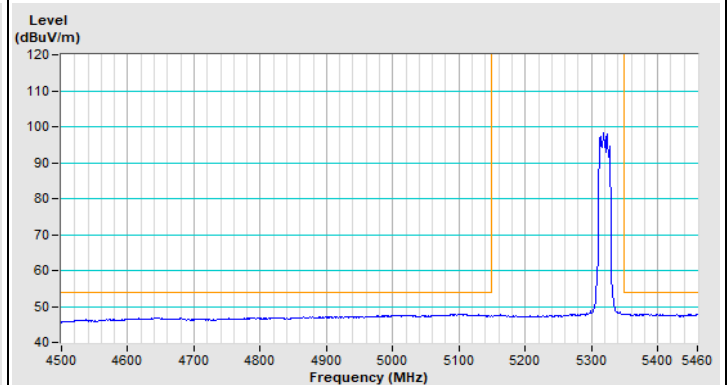


Vertical (Average)

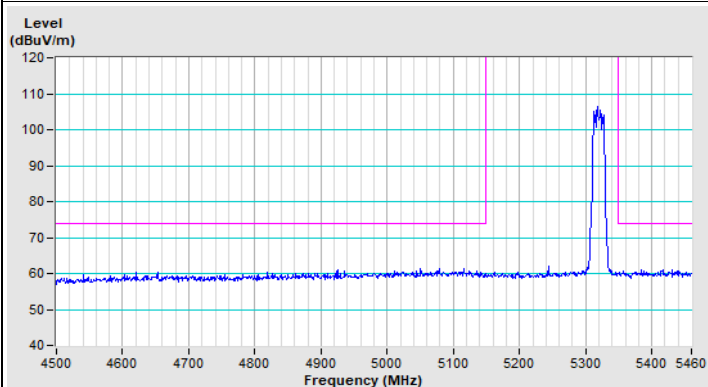
802.11a Channel 64



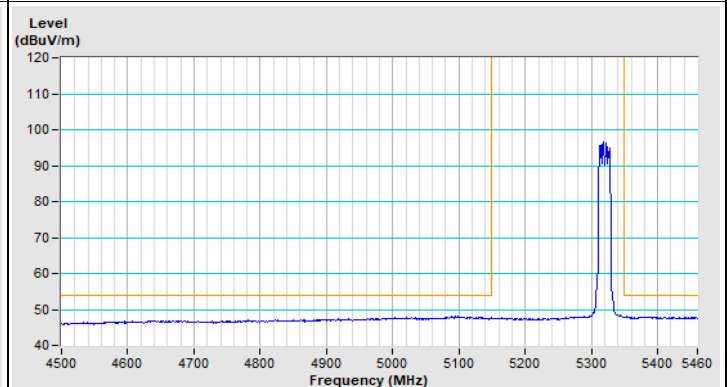
Horizontal (Peak)



Horizontal (Average)

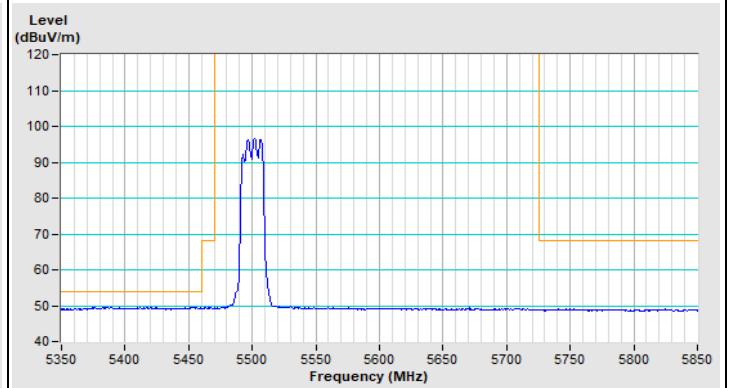
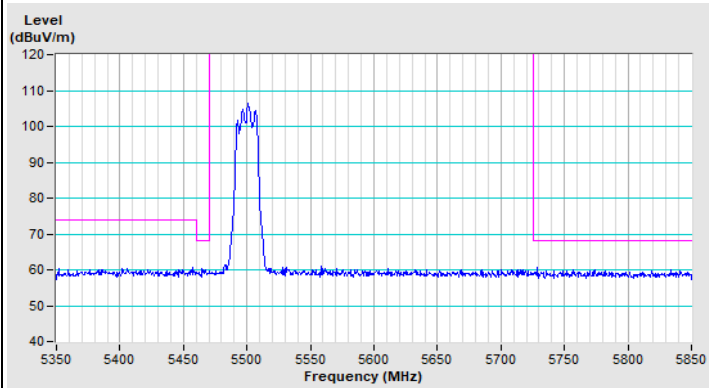
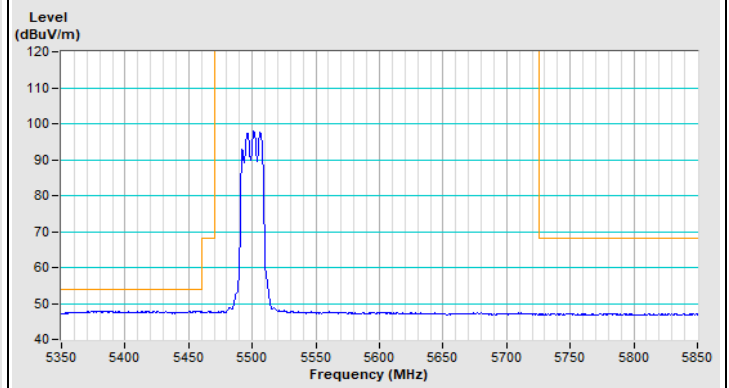
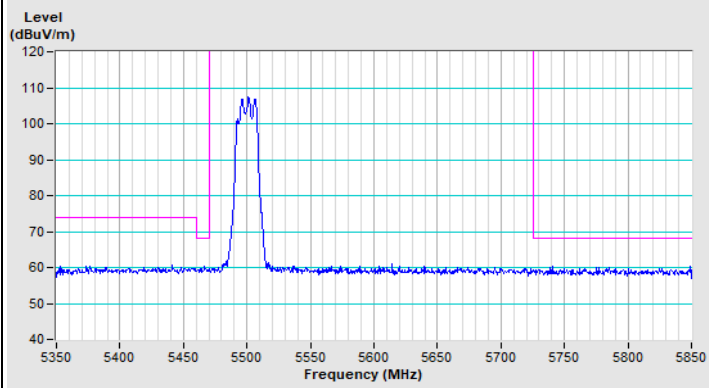


Vertical (Peak)

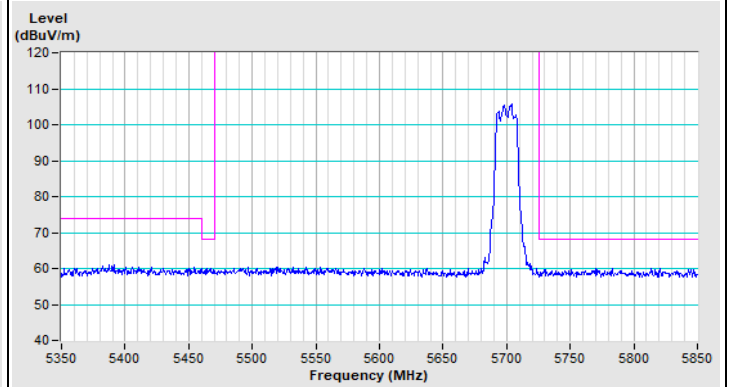
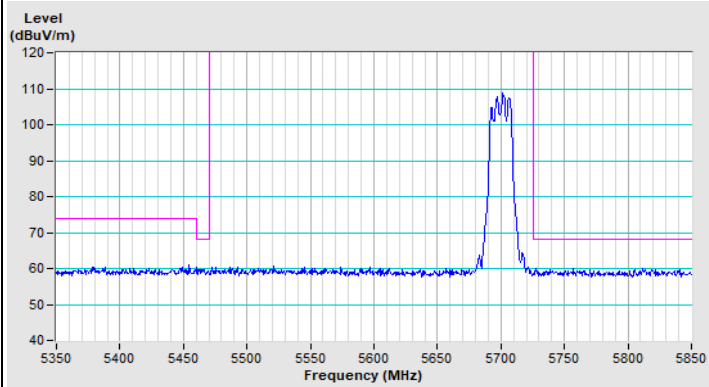


Vertical (Average)

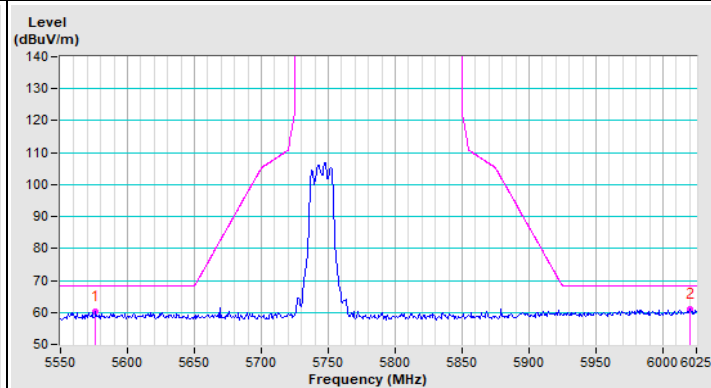
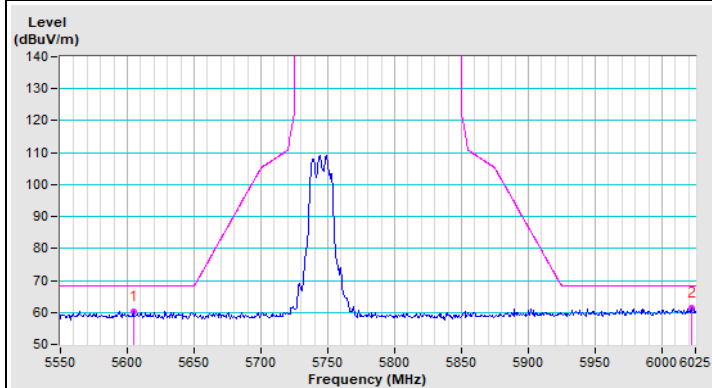
802.11a Channel 100



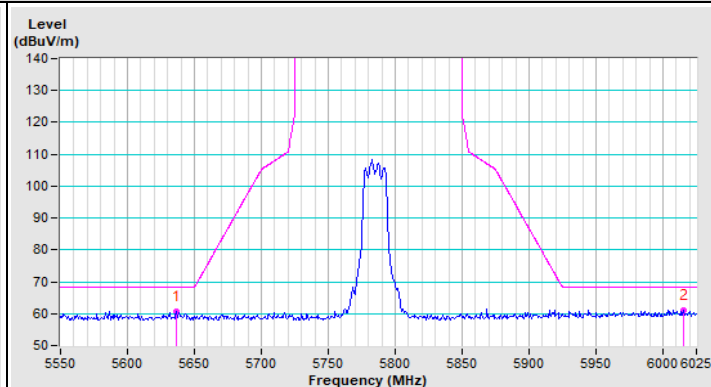
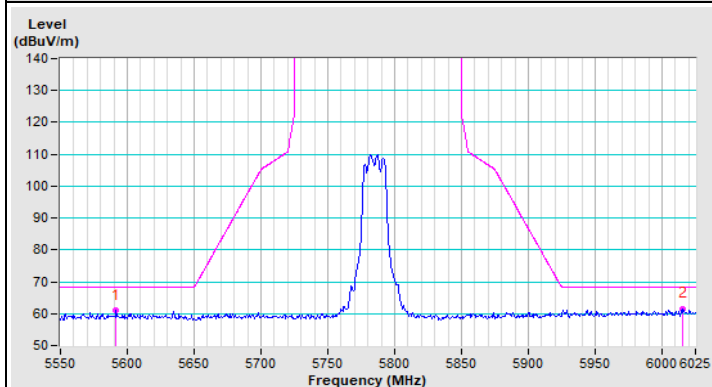
802.11a Channel 140



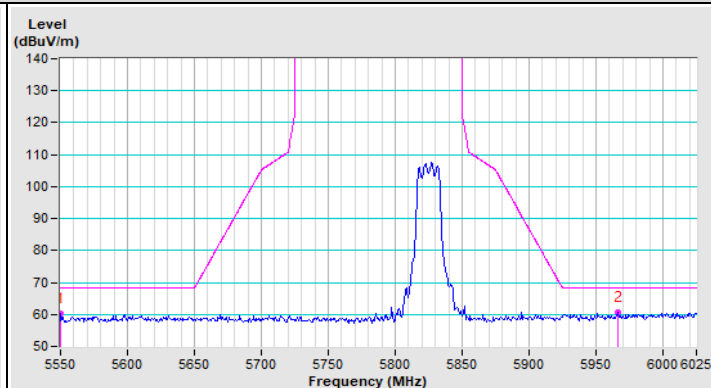
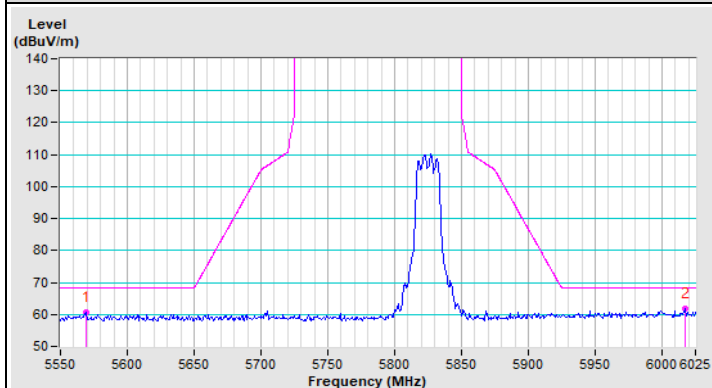
802.11a Channel 149



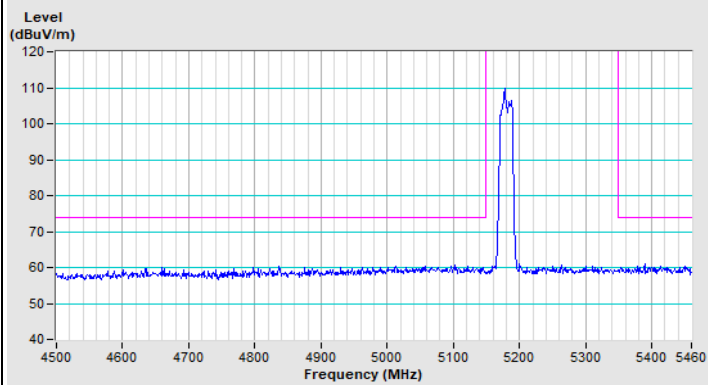
802.11a Channel 157



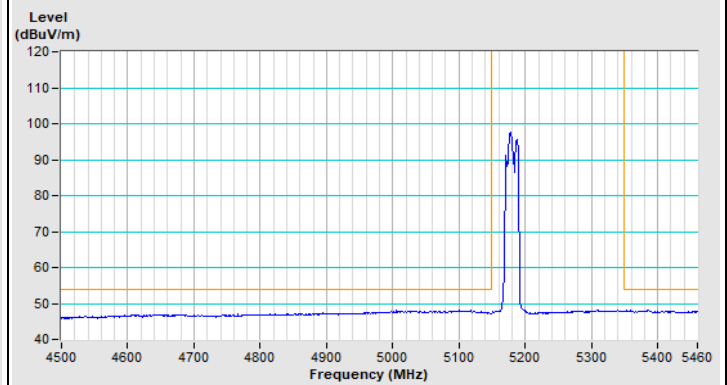
802.11a Channel 165



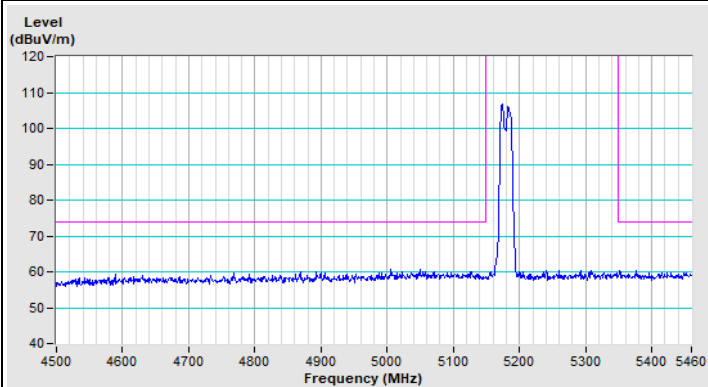
802.11ax (HE20) Channel 36



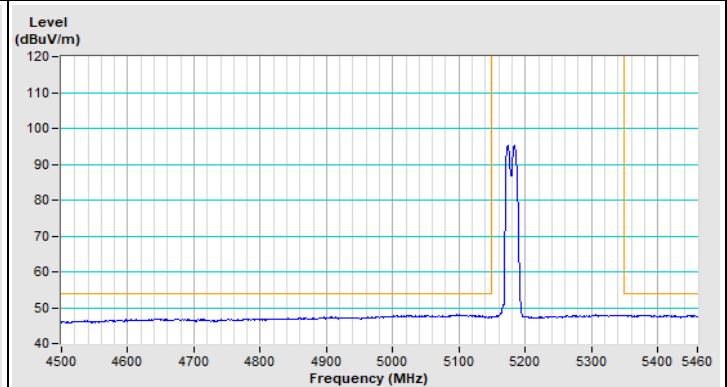
Horizontal (Peak)



Horizontal (Average)

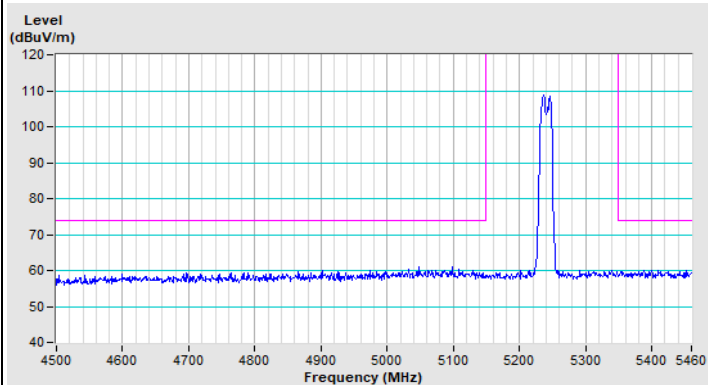


Vertical (Peak)

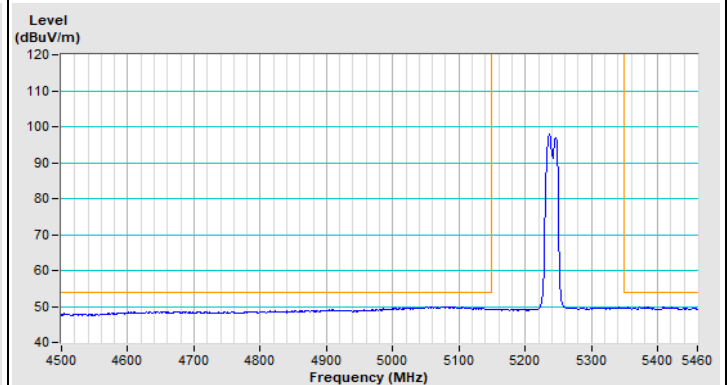


Vertical (Average)

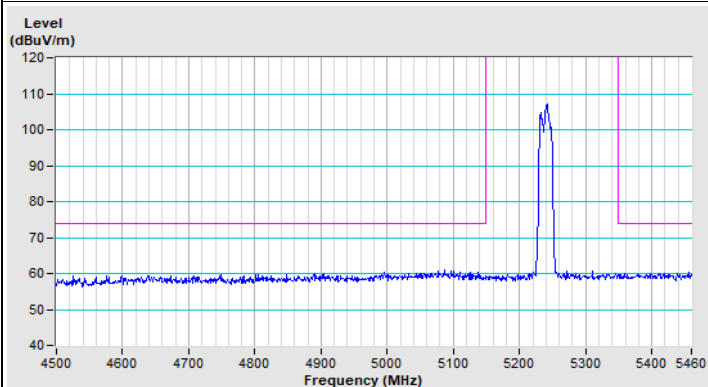
802.11ax (HE20) Channel 48



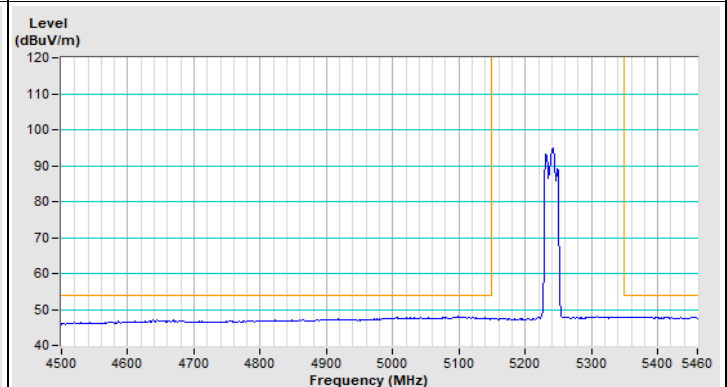
Horizontal (Peak)



Horizontal (Average)

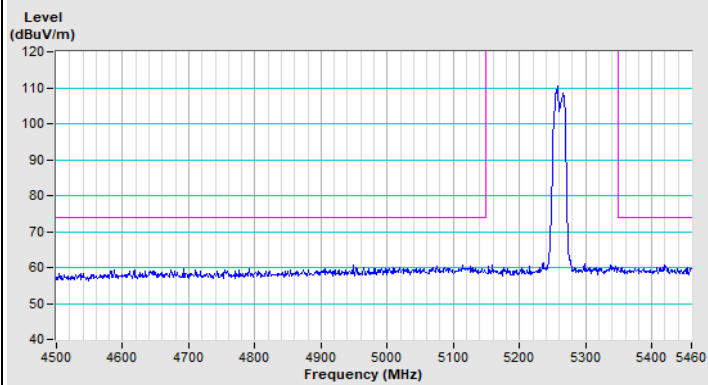


Vertical (Peak)

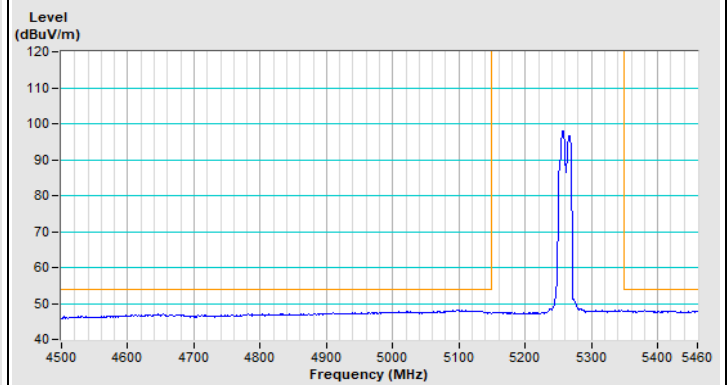


Vertical (Average)

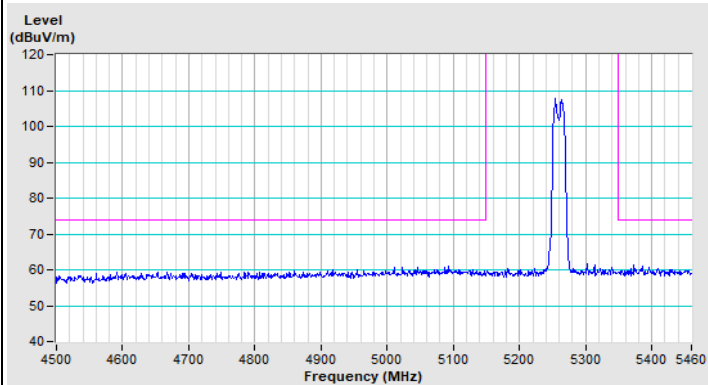
802.11ax (HE20) Channel 52



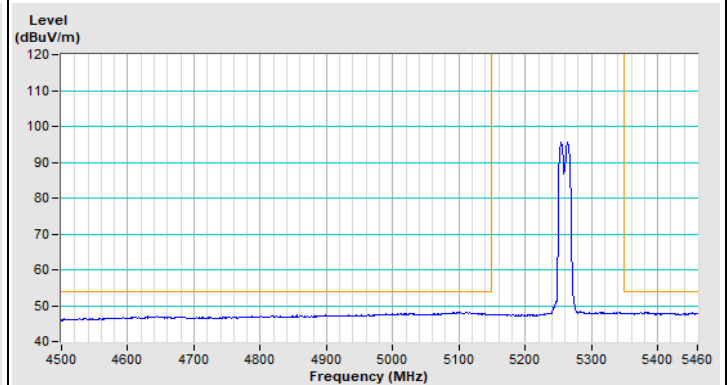
Horizontal (Peak)



Horizontal (Average)

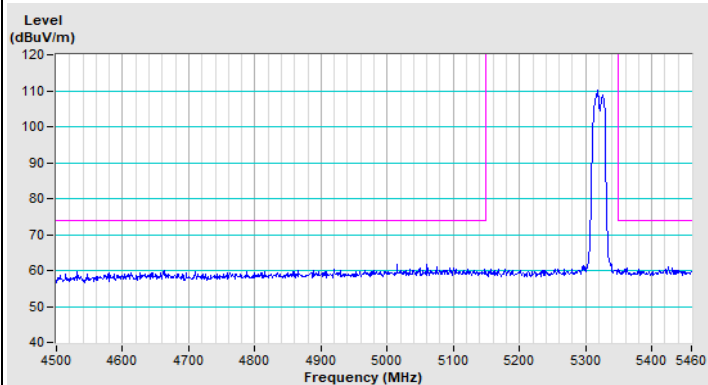


Vertical (Peak)

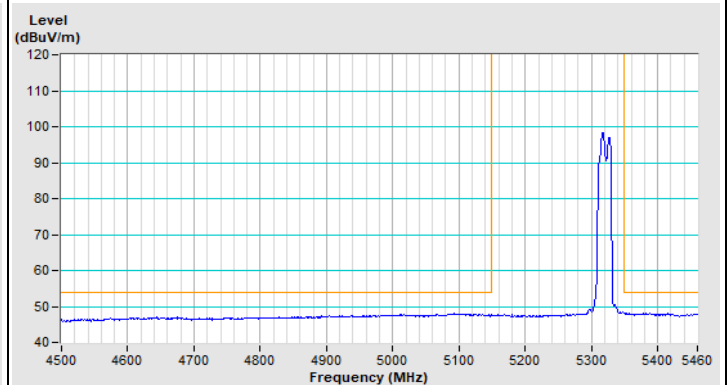


Vertical (Average)

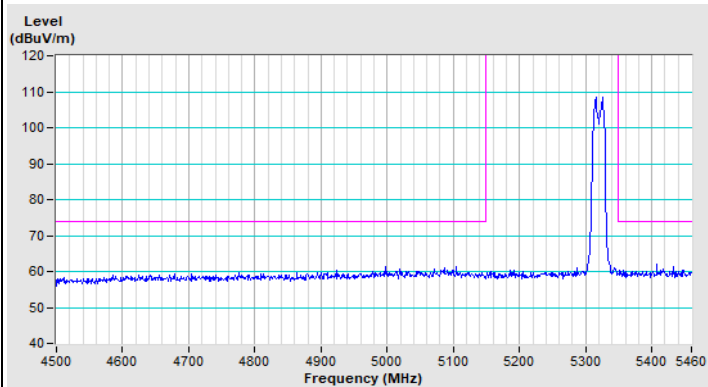
802.11ax (HE20) Channel 64



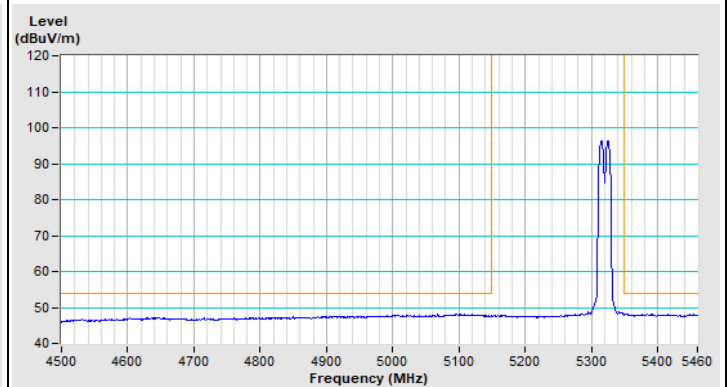
Horizontal (Peak)



Horizontal (Average)

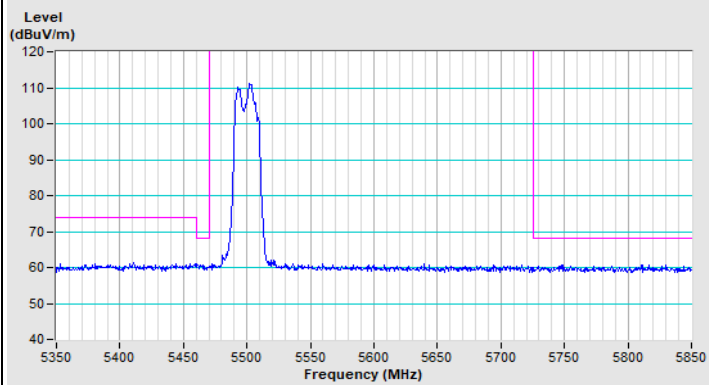


Vertical (Peak)

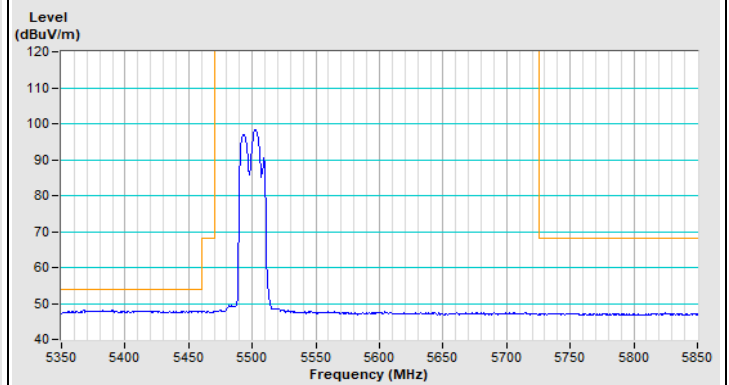


Vertical (Average)

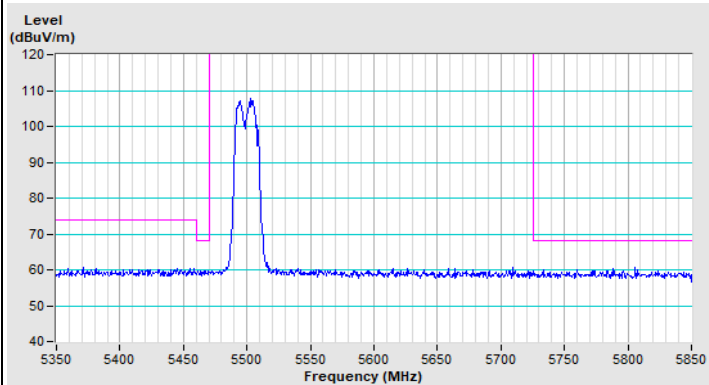
802.11ax (HE20) Channel 100



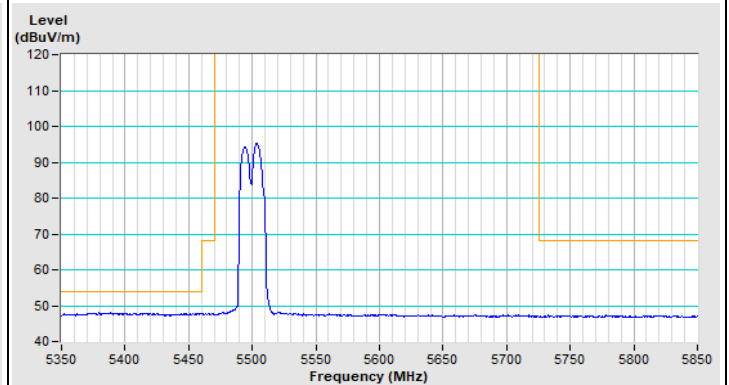
Horizontal (Peak)



Horizontal (Average)

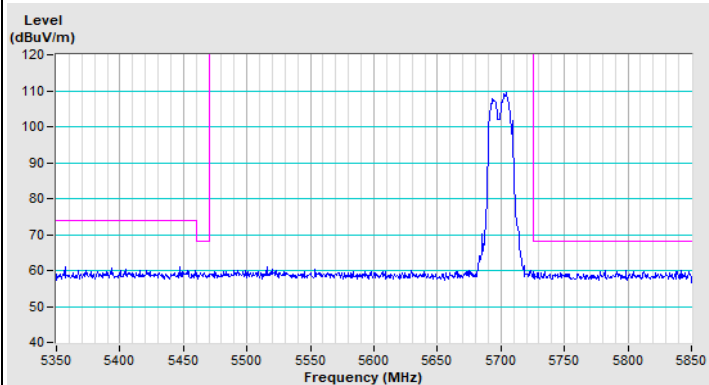


Vertical (Peak)

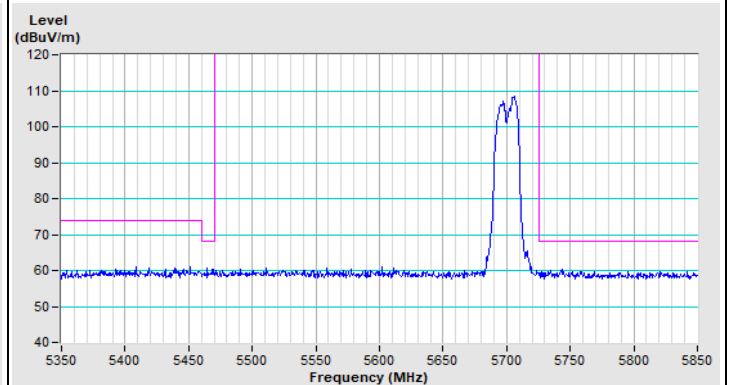


Vertical (Average)

802.11ax (HE20) Channel 140

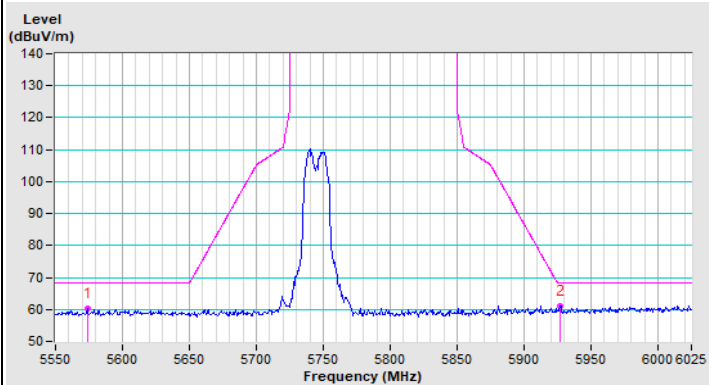
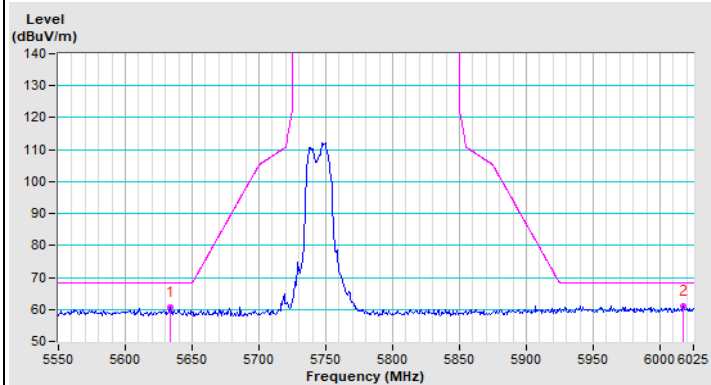


Horizontal (Peak)

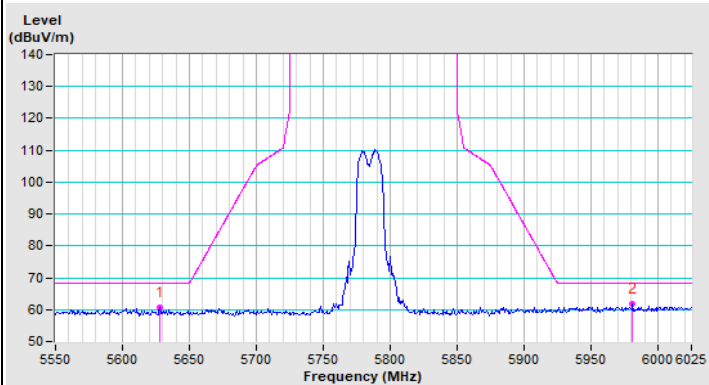
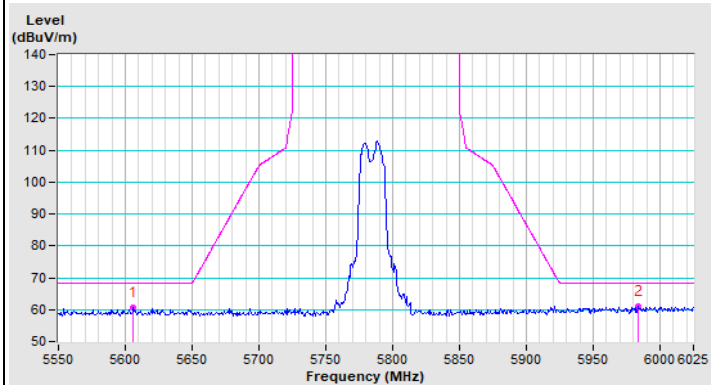


Vertical (Peak)

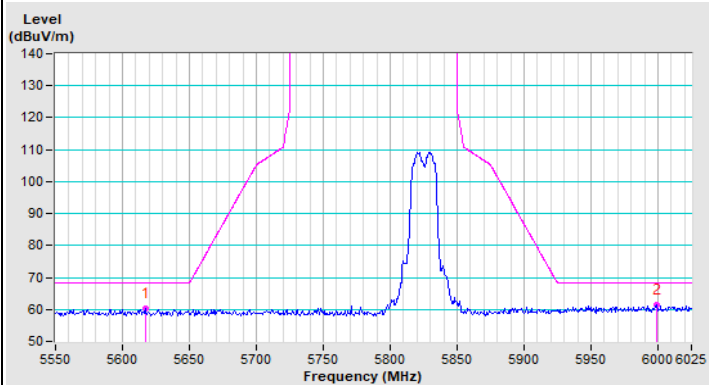
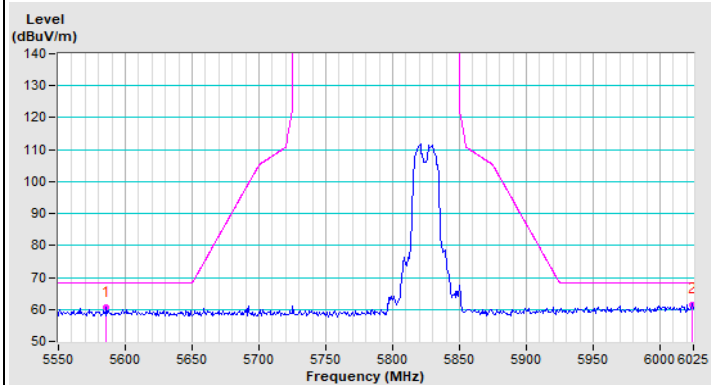
802.11ax (HE20) Channel 149



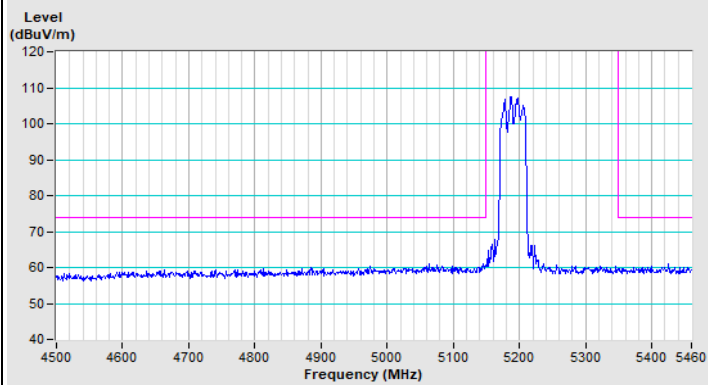
802.11ax (HE20) Channel 157



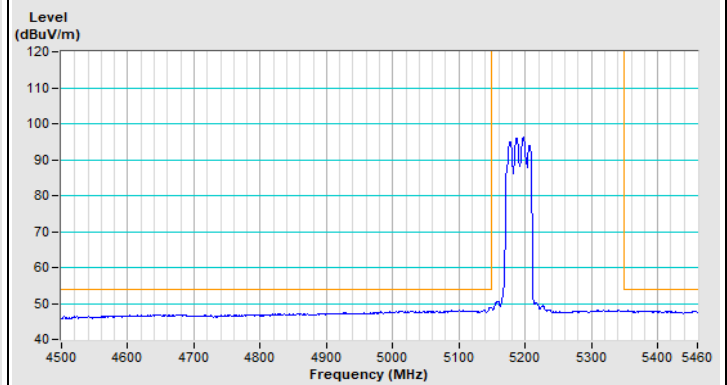
802.11ax (HE20) Channel 165



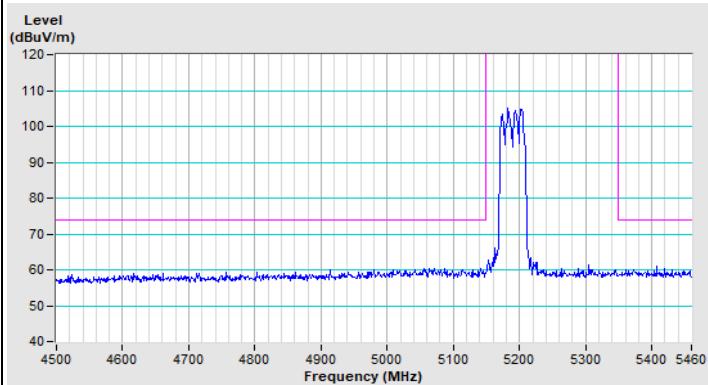
802.11ax (HE40) Channel 38



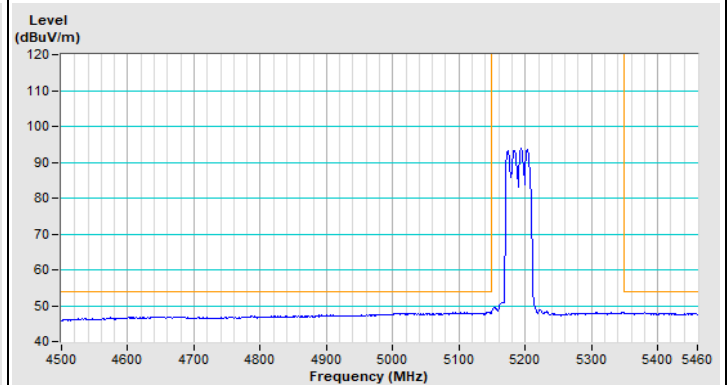
Horizontal (Peak)



Horizontal (Average)

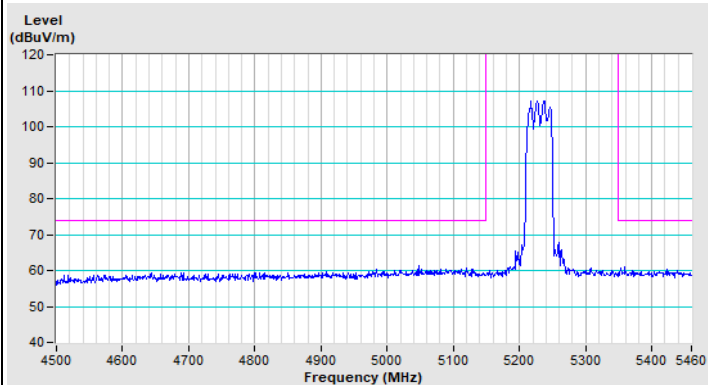


Vertical (Peak)

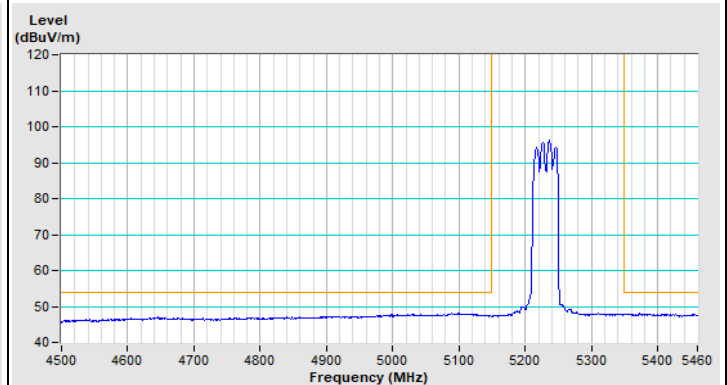


Vertical (Average)

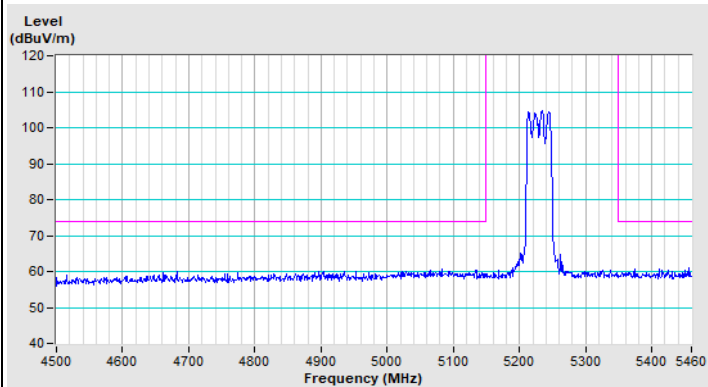
802.11ax (HE40) Channel 46



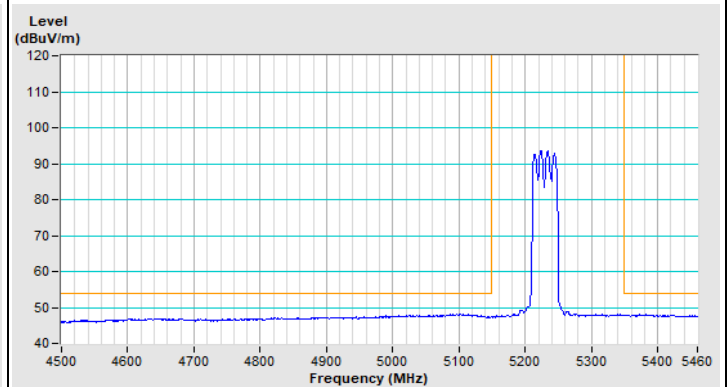
Horizontal (Peak)



Horizontal (Average)

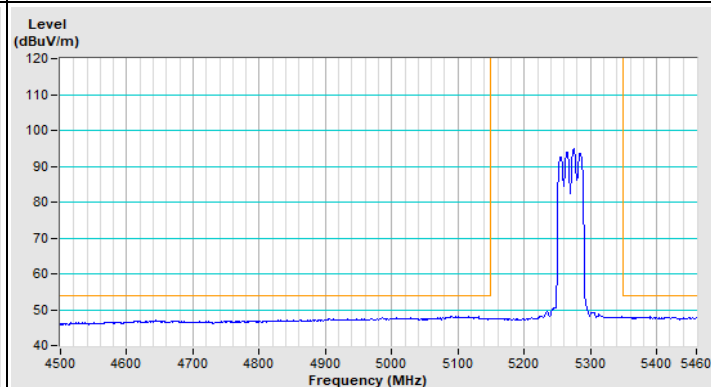
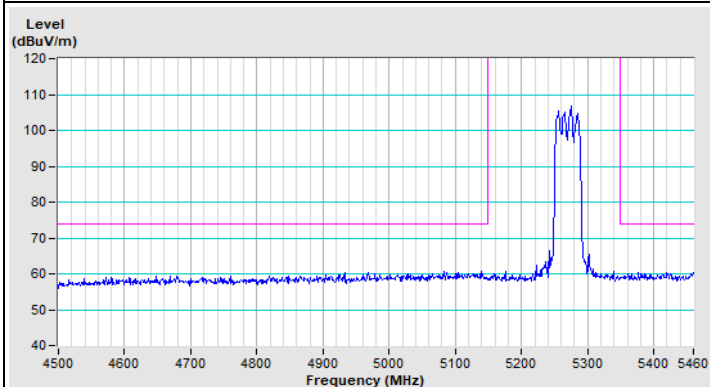
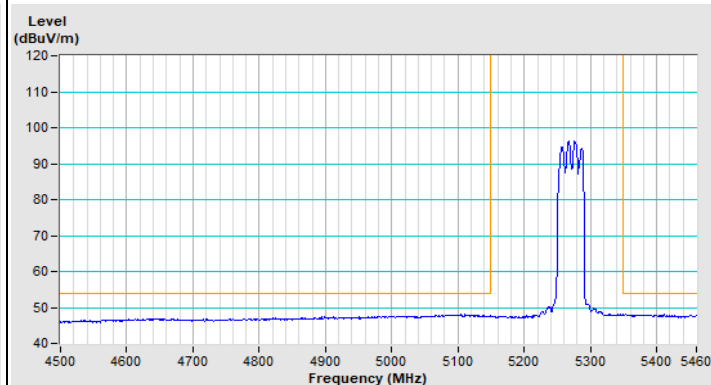
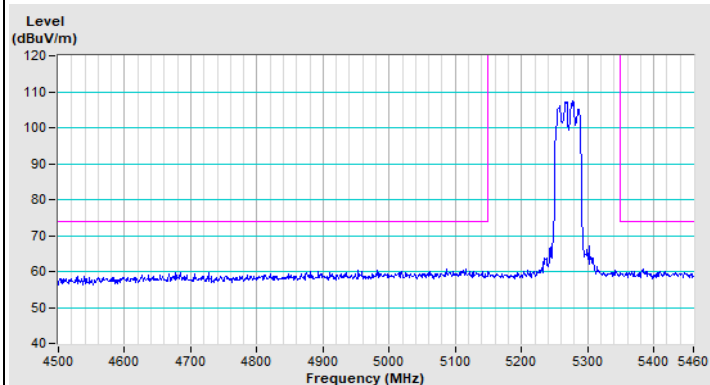


Vertical (Peak)

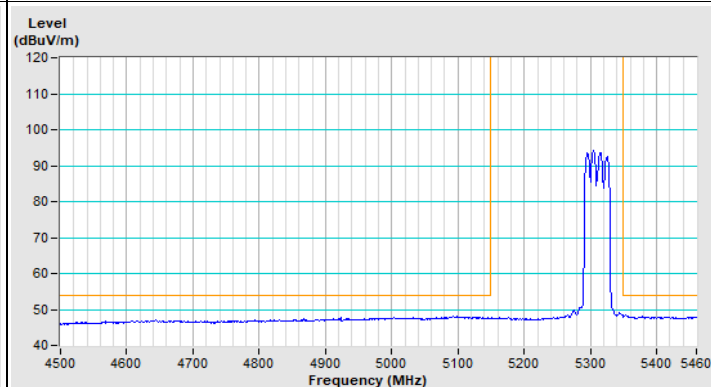
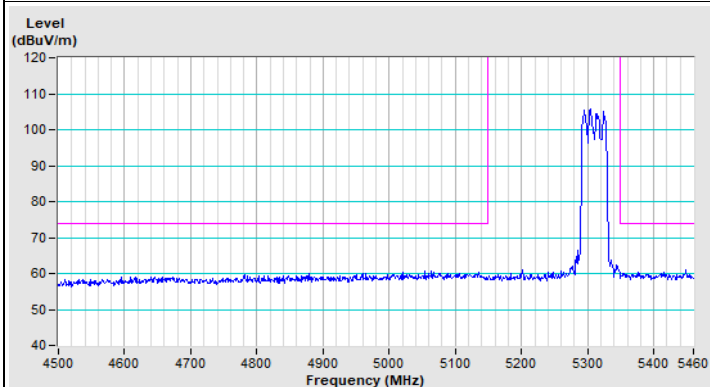
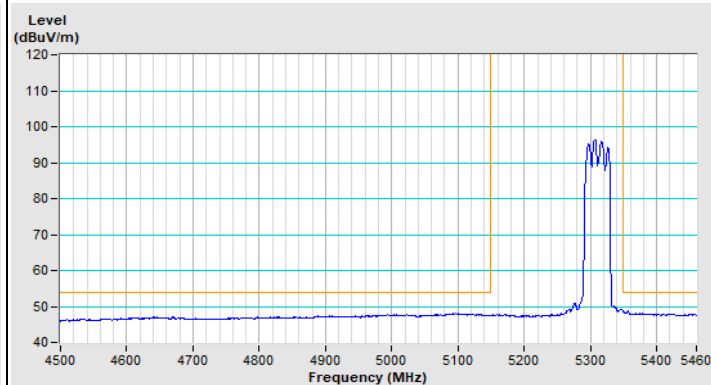
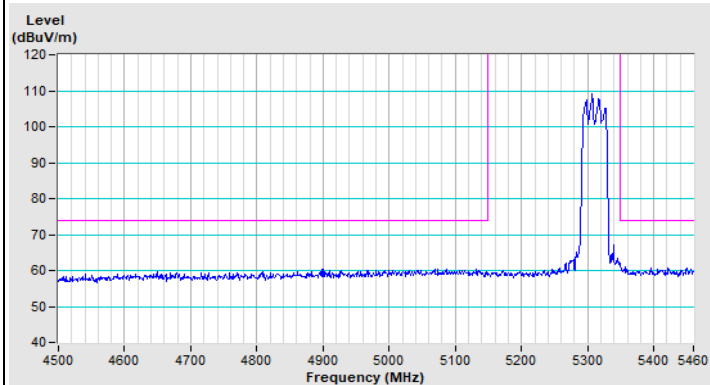


Vertical (Average)

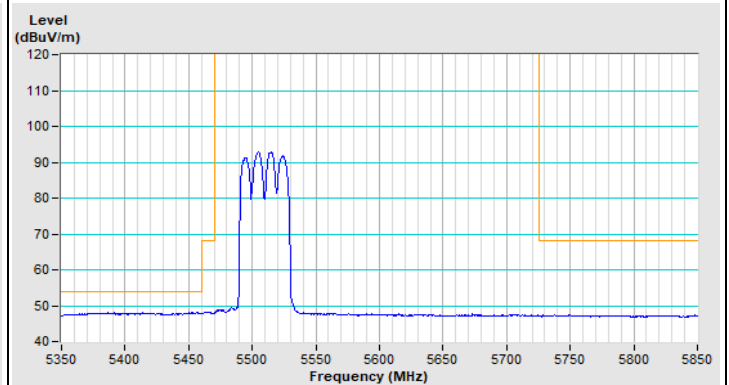
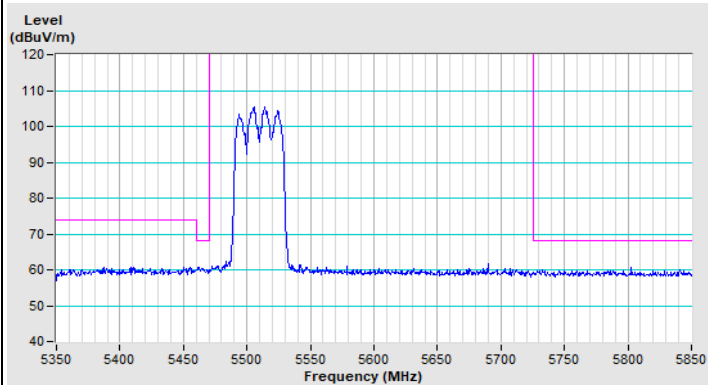
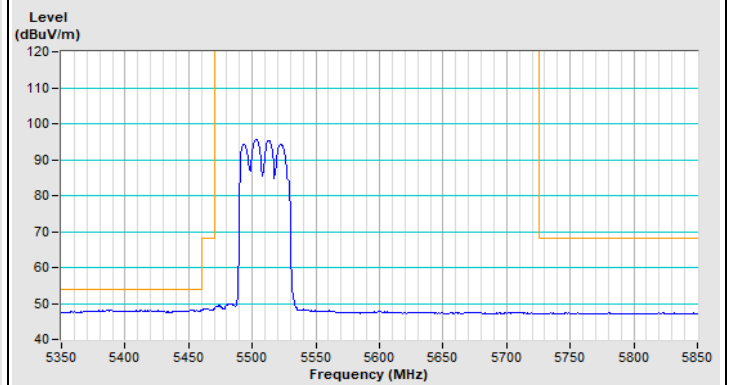
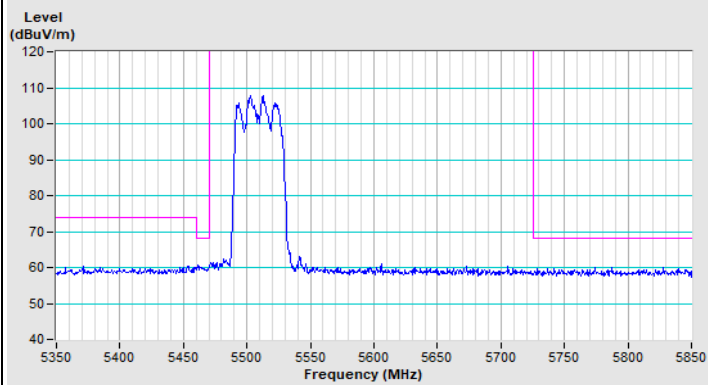
802.11ax (HE40) Channel 54



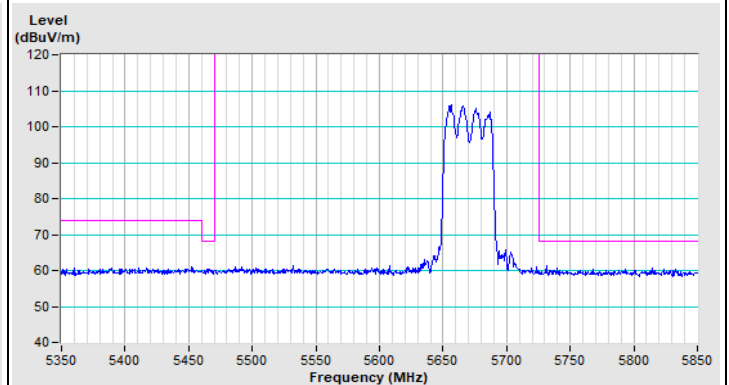
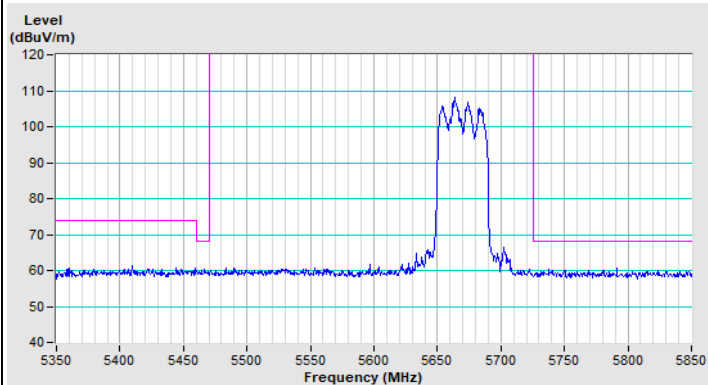
802.11ax (HE40) Channel 62



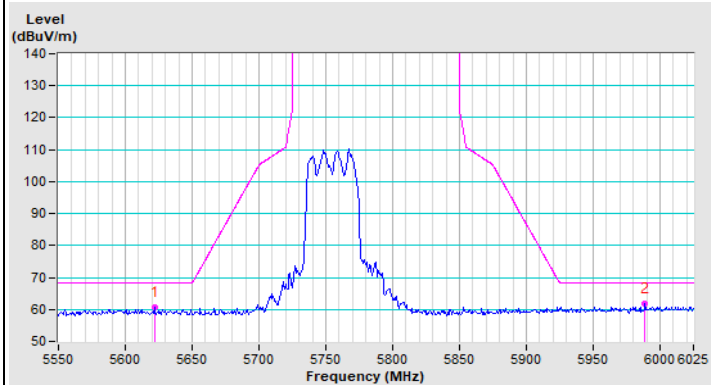
802.11ax (HE40) Channel 102



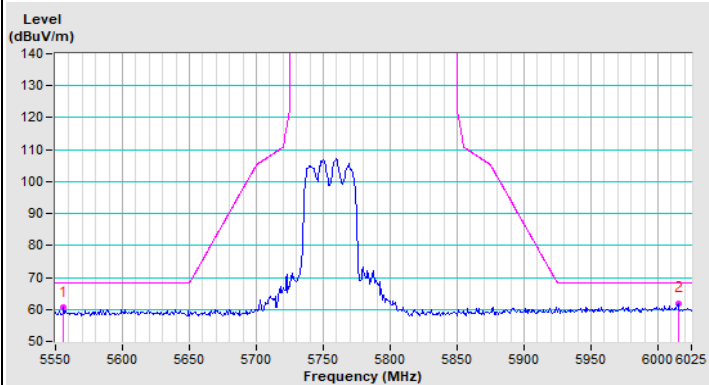
802.11ax (HE40) Channel 134



802.11ax (HE40) Channel 151

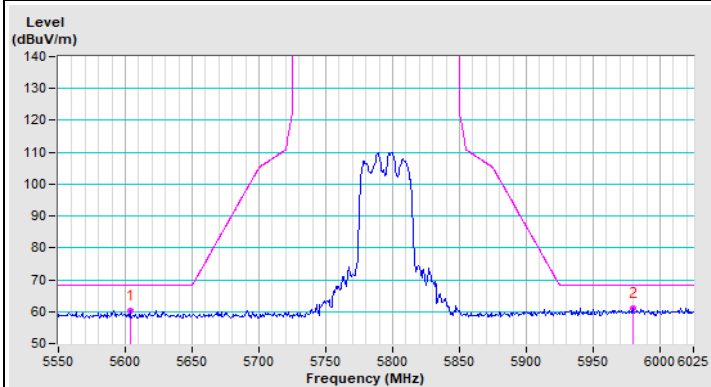


Horizontal (Peak)

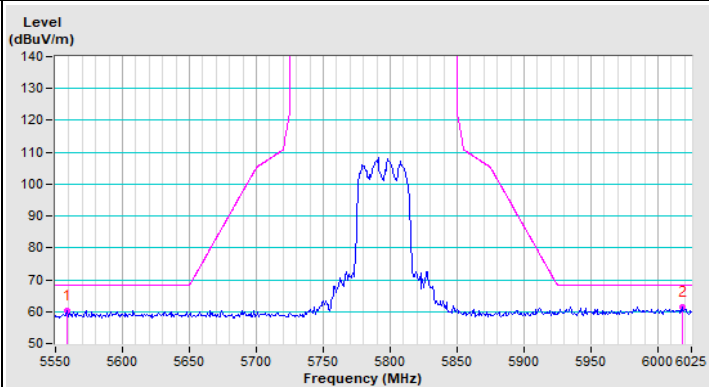


Vertical (Peak)

802.11ax (HE40) Channel 159

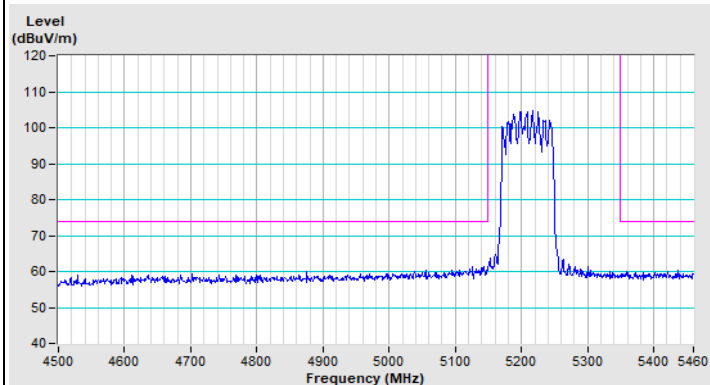


Horizontal (Peak)

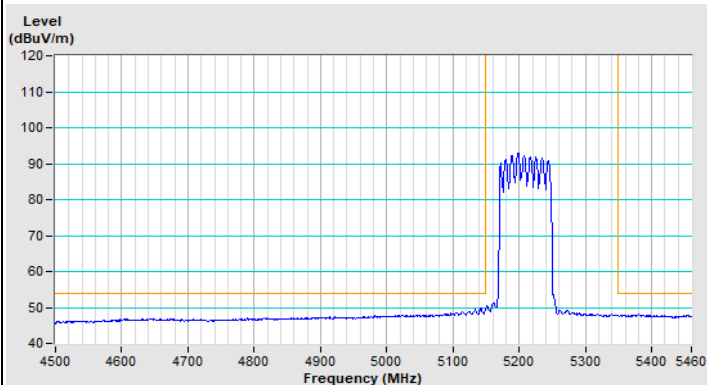


Vertical (Peak)

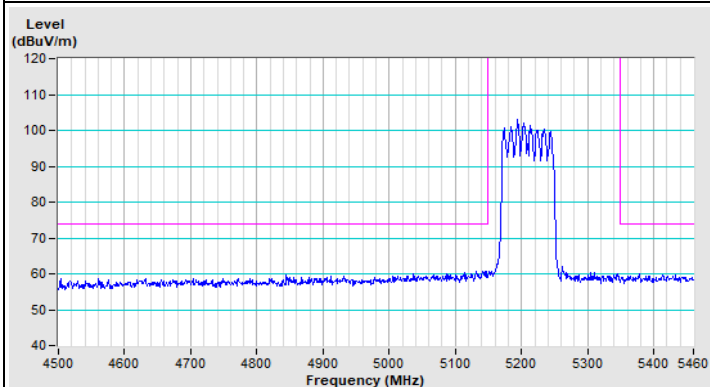
802.11ax (HE80) Channel 42



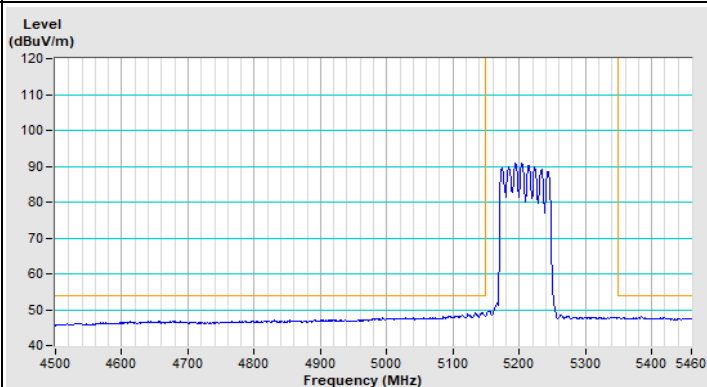
Horizontal (Peak)



Horizontal (Average)

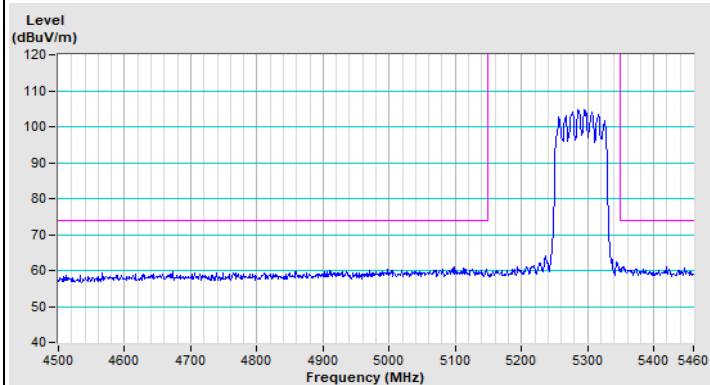


Vertical (Peak)

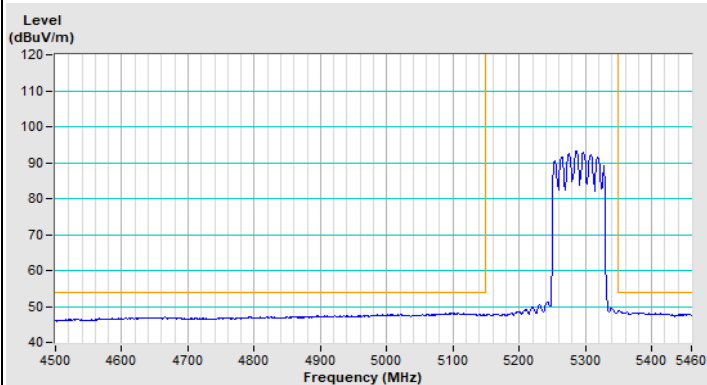


Vertical (Average)

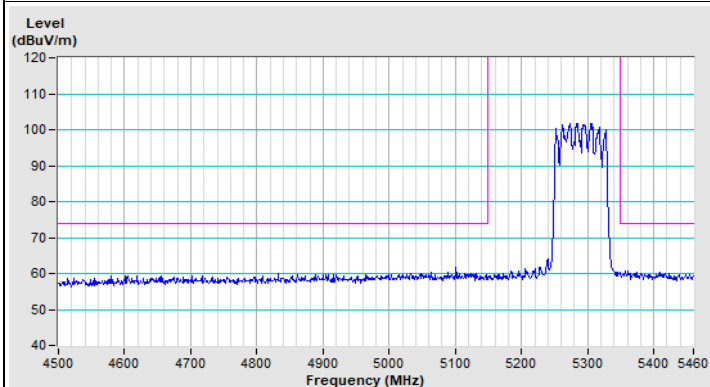
802.11ax (HE80) Channel 58



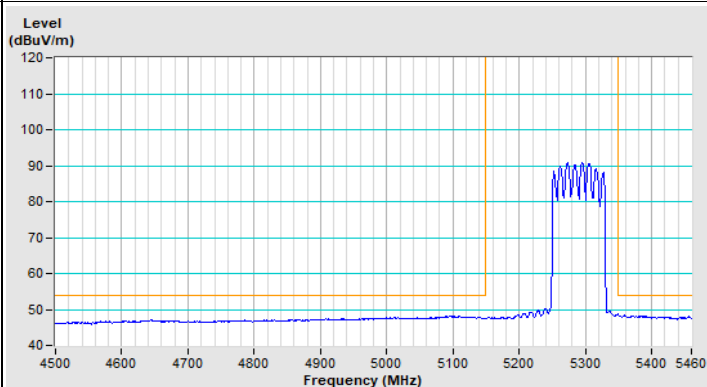
Horizontal (Peak)



Horizontal (Average)

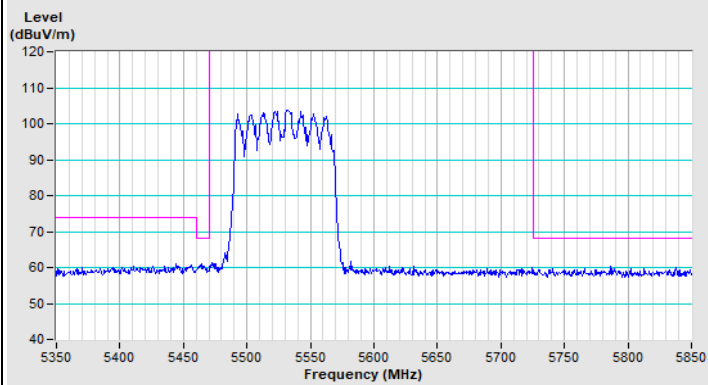


Vertical (Peak)

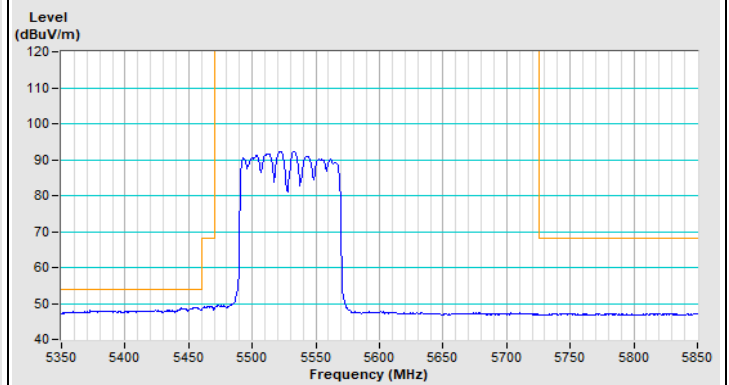


Vertical (Average)

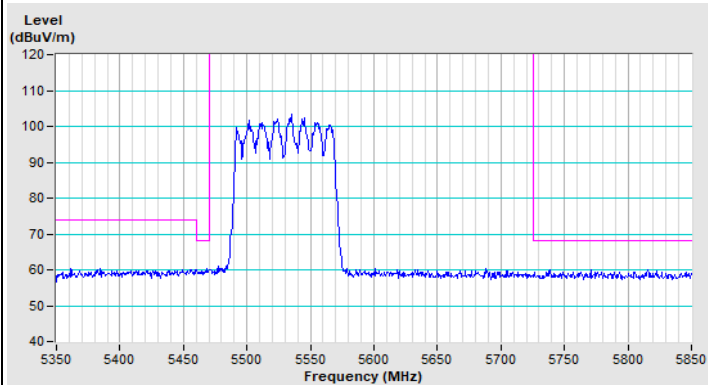
802.11ax (HE80) Channel 106



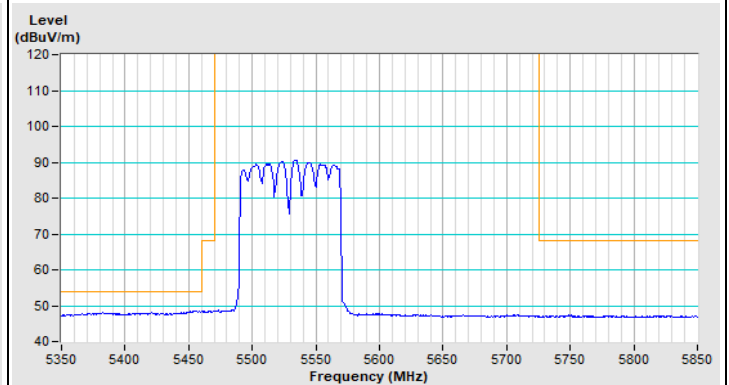
Horizontal (Peak)



Horizontal (Average)

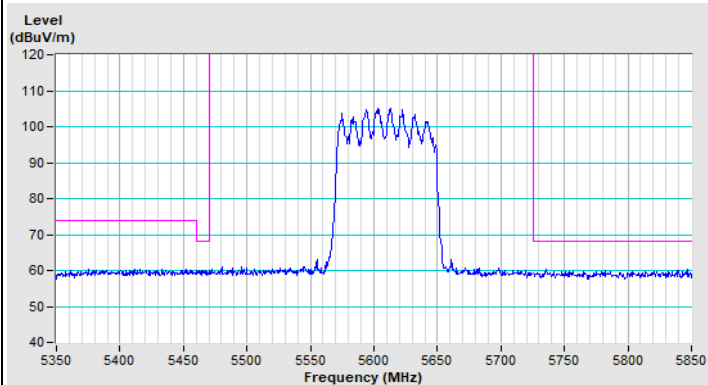


Vertical (Peak)

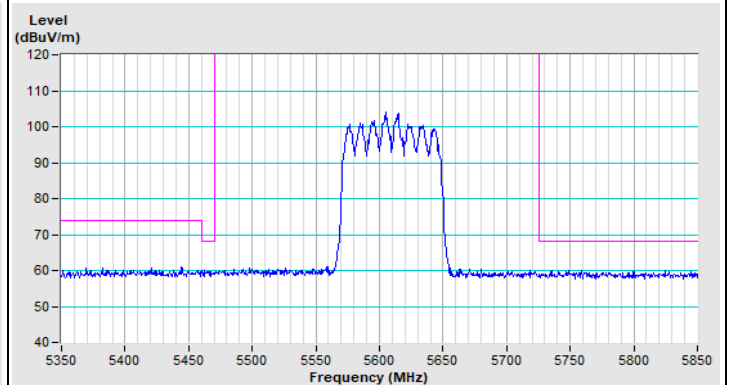


Vertical (Average)

802.11ax (HE80) Channel 122

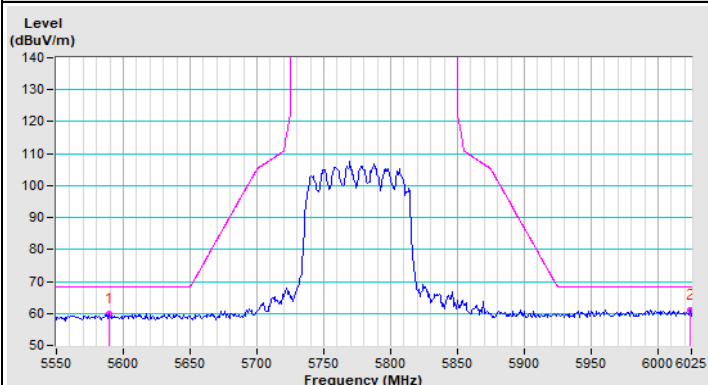


Horizontal (Peak)

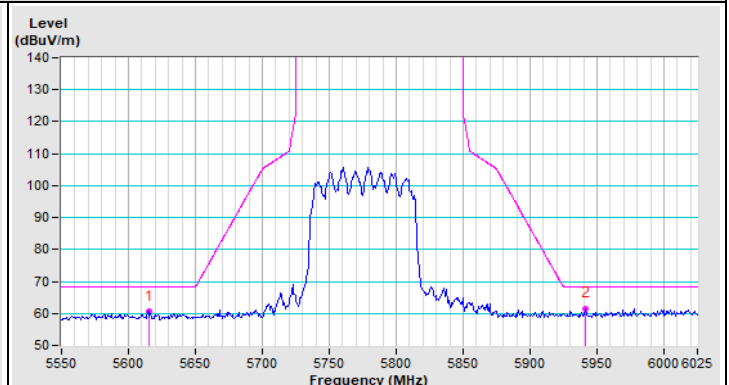


Vertical (Peak)

802.11ax (HE80) Channel 155



Horizontal (Peak)



Vertical (Peak)

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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Email: service.adt@bureauveritas.com

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

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

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