

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDKX-WTW-P26060565-4
FCC ID: 2ALXJ-MTW500
Product: Meeting Owl 5
Brand: OWL LABS
Model No.: MTW500
Received Date: 2026/6/25
Test Date: 2026/7/9 ~ 2026/8/4
Issued Date: 2026/9/1
Applicant: Owl Labs Inc.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
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Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City 244, Taiwan
FCC Registration / 198487 / TW2021
Designation Number:

Approved by: _____

Jeremy Lin

, Date: _____

2026/9/1

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
RFBDKX-WTW-P26060565-4	Original release.	2026/9/1

1 Certificate

Product: Meeting Owl 5

Brand: OWL LABS

Test Model: MTW500

Sample Status: Engineering sample

Applicant: Owl Labs Inc.

Test Date: 2026/7/9 ~ 2026/8/4

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

Measurement procedure: ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024
KDB 987594 D02 U-NII 6 GHz EMC Measurement v03
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)(8)(ii)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(8)(ii)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(11)	Emission Bandwidth	Pass	Meet the requirement of limit.
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -21.98 dB at 0.15391 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -8.8 dB at 33.59 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -2.0 dB at 7125.00 MHz
15.407(b)(7)	In-Band Emission Mask	Pass	Meet the requirement of limit.
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) 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) (±)
Maximum RF Output Power	-	1.1 dB
Maximum Power Spectral Density	-	1.3 dB
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	3.24 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.76 dB
	30 MHz ~ 1 GHz	5.74 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 6 GHz	4.65 dB
	6 GHz ~ 18 GHz	5.26 dB
	18 GHz ~ 40 GHz	4.9 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Meeting Owl 5
Brand	OWL LABS
Test Model	MTW500
Status of EUT	Engineering sample
Power Supply Rating	DC from Adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 2401.9 Mbps
Operating Frequency	5.955 GHz ~ 6.415 GHz, 6.435 GHz ~ 6.525 GHz, 6.535 GHz ~ 6.865 GHz, 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20):59 802.11ax (HE40):29 802.11ax (HE80):14 802.11ax (HE160):7
Partial RU Mode	Not support
Channel Puncturing	Not support
Output Power	5.955 GHz ~ 6.415 GHz: EIRP: 81.107 mW (19.09 dBm) 6.435 GHz ~ 6.525 GHz: EIRP: 78.552 mW (18.95 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 83.815 mW (19.23 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 59.786 mW (17.77 dBm)
Equipment Class	6XD: 15E 6 GHz Low-power Indoor client

Note:

1. The EUT has following accessories:

Item	Brand	Model No.	Specification
Adapter	LITEON	PA-1650-58	Input: 100-240Vac 1.6A 50-60Hz Output: 5.0Vdc 3.0A/15.0W. 9.0Vdc3.0A/27.0W. 12.0Vdc 3.0A/36.0W. 15.0Vdc 3.0A/45.0W. 20.0Vdc 3.25A/65.0W Non-shielded DC Cable without core, 1.5m Non-shielded AC Cable without core, 1.5m
Type C Cable	-	-	Shielded without core, 2.0m
USB-A to USB-C Cable	-	-	Shielded without core, 5.0m

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

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

4. The EUT does not support Partial RU technology.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1(WIFI)	3.88	2.4~2.4835	Dipole	ipex(MHF)
	3.84	5.15~5.85		
	3.78	5.925~7.125		
2(WIFI)	1.93	2.4~2.4835	Dipole	ipex(MHF)
	3.65	5.15~5.85		
	3.29	5.925~7.125		
3(BT)	1.79	2.4~2.4835	Chip	none

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

2. The EUT incorporates a MIMO function:

6 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX

3.3 Channel List

U-NII-5:

24 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	5955 MHz	5	5975 MHz	9	5995 MHz	13	6015 MHz
17	6035 MHz	21	6055 MHz	25	6075 MHz	29	6095 MHz
33	6115 MHz	37	6135 MHz	41	6155 MHz	45	6175 MHz
49	6195 MHz	53	6215 MHz	57	6235 MHz	61	6255 MHz
65	6275 MHz	69	6295 MHz	73	6315 MHz	77	6335 MHz
81	6355 MHz	85	6375 MHz	89	6395 MHz	93	6415 MHz

12 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz	27	6085 MHz
35	6125 MHz	43	6165 MHz	51	6205 MHz	59	6245 MHz
67	6285 MHz	75	6325 MHz	83	6365 MHz	91	6405 MHz

6 channels are provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz	55	6225 MHz
71	6305 MHz	87	6385 MHz				

3 channels are provided for 802.11ax (HE160):

Channel	Frequency	Channel	Frequency	Channel	Frequency
15	6025 MHz	47	6185 MHz	79	6345 MHz

U-NII-6:

5 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435 MHz	101	6455 MHz	105	6475 MHz	109	6495 MHz
113	6515 MHz						

3 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency
99	6445 MHz	107	6485 MHz	*115	6525 MHz

1 channel is provided for 802.11ax (HE80):

Channel	Frequency
103	6465 MHz

1 channel is provided for 802.11ax (HE160):

Channel	Frequency
*111	6505 MHz

U-NII-7:

17 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535 MHz	121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz	145	6675 MHz
149	6695 MHz	153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz						

8 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

5 channels are provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*119	6545 MHz	135	6625 MHz	151	6705 MHz	167	6785 MHz
*183	6865 MHz						

2 channels are provided for 802.11ax (HE160):

Channel	Frequency	Channel	Frequency
143	6665 MHz	*175	6825 MHz

U-NII-8:

13 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*185	6875 MHz	189	6895 MHz	193	6915 MHz	197	6935 MHz
201	6955 MHz	205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz	229	7095 MHz
233	7115 MHz						

6 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*187	6885 MHz	195	6925 MHz	203	6965 MHz	211	7005 MHz
219	7045 MHz	227	7085 MHz				

2 channels are provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

1 channel is provided for 802.11ax (HE160):

Channel	Frequency
207	6985 MHz

Note: * mean these are straddle channels.

3.4 Test Mode Applicability and Tested Channel Detail

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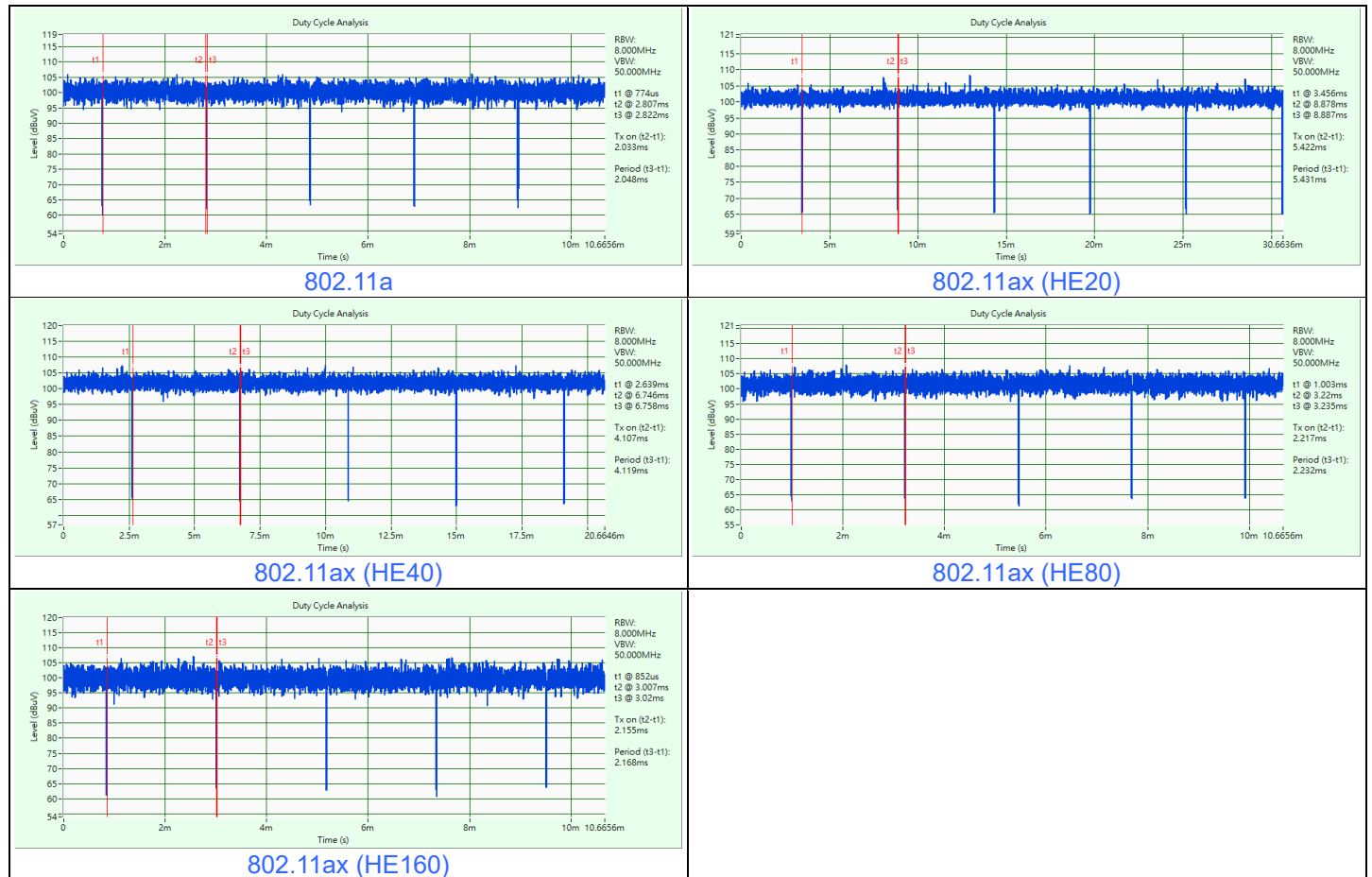
Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Maximum RF Output Power	802.11a	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s
	802.11ax (HE20)	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0
	802.11ax (HE40)	LPI	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
	802.11ax (HE80)	LPI	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
	802.11ax (HE160)	LPI	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0
Maximum Power Spectral Density	802.11a	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s
	802.11ax (HE20)	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0
	802.11ax (HE40)	LPI	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
	802.11ax (HE80)	LPI	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
	802.11ax (HE160)	LPI	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0
Emission Bandwidth	802.11a	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s
	802.11ax (HE20)	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0
	802.11ax (HE40)	LPI	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
	802.11ax (HE80)	LPI	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
	802.11ax (HE160)	LPI	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0
In-Band Emission Mask	802.11a	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s
	802.11ax (HE20)	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0
	802.11ax (HE40)	LPI	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
	802.11ax (HE80)	LPI	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
	802.11ax (HE160)	LPI	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0
Occupied Bandwidth	802.11a	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s
	802.11ax (HE20)	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0
	802.11ax (HE40)	LPI	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
	802.11ax (HE80)	LPI	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
	802.11ax (HE160)	LPI	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Contention-based Protocol	802.11ax (HE20)	LPI	45, 105, 149, 205	BPSK	MCS0
	802.11ax (HE160)	LPI	47, 111, 143, 207	BPSK	MCS0
AC Power Conducted Emissions	802.11ax (HE160)	LPI	175	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE160)	LPI	175	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s
	802.11ax (HE20)	LPI	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0
	802.11ax (HE40)	LPI	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
	802.11ax (HE80)	LPI	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
	802.11ax (HE160)	LPI	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0

3.5 Duty Cycle of Test Signal

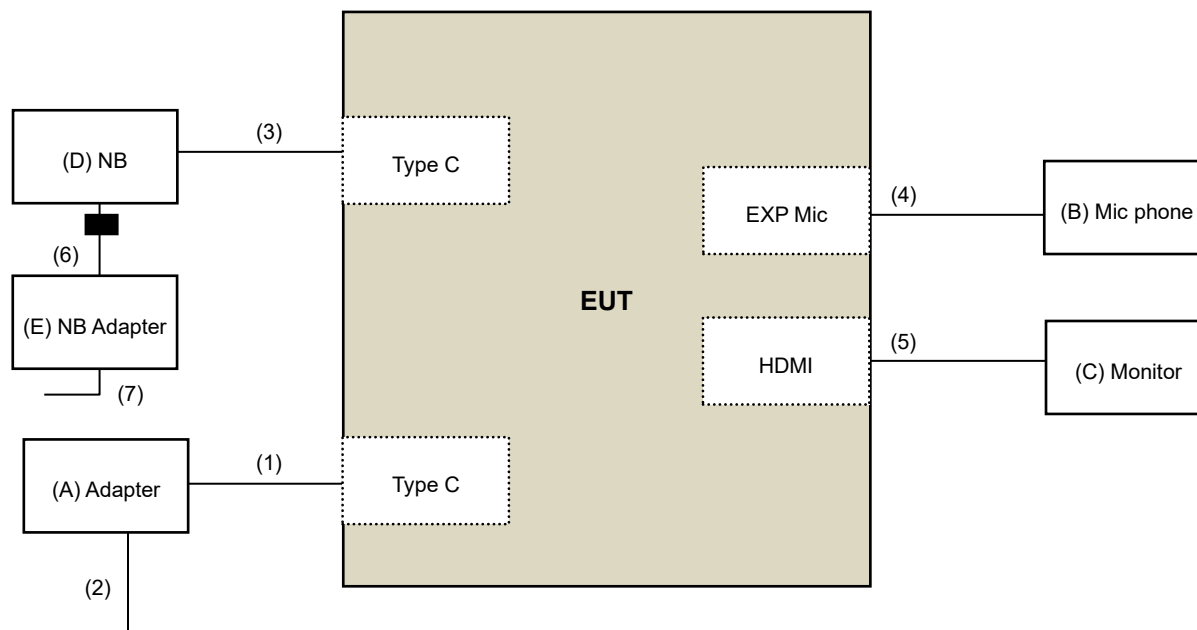
- 802.11a:** Duty cycle = 2.033 ms / 2.048 ms x 100% = 99.3%
- 802.11ax (HE20):** Duty cycle = 5.422 ms / 5.431 ms x 100% = 99.8%
- 802.11ax (HE40):** Duty cycle = 4.107 ms / 4.119 ms x 100% = 99.7%
- 802.11ax (HE80):** Duty cycle = 2.217 ms / 2.232 ms x 100% = 99.3%
- 802.11ax (HE160):** Duty cycle = 2.155 ms / 2.168 ms x 100% = 99.4%



3.6 Test Program Used and Operation Descriptions

Controlling software (QRCT v4.0.197.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	LITEON	PA-1650-58	N/A	N/A	Supplied by applicant
B	Mic phone	OWL LABS	Expansion Mic	N/A	N/A	Supplied by applicant
C	Monitor	ASUS	XG27UCS	N/A	N/A	Provided by Lab
D	NB	Dell	P90F	N/A	N/A	Provided by Lab
E	NB Adapter	Dell	LA65NS2-01	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC cable	1	1.5	N	0	Supplied by applicant
2	AC cable	1	1.5	N	0	Supplied by applicant
3	Type C to C cable	1	5	Y	0	Supplied by applicant
4	Mic cable	1	1.5	Y	0	Supplied by applicant
5	HDMI cable	1	1.5	Y	0	Provided by Lab
6	DC cable	1	0.9	N	1	Provided by Lab
7	AC cable	1	1.8	N	0	Provided by Lab

4 Test Instruments

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

4.1 Maximum RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2026/5/21	2027/5/20
Pulse Power Sensor Anritsu	MA2411B	0738404	2026/5/28	2027/5/27
RF Power Meter Anritsu	ML2495A	0842014	2026/5/27	2027/5/26
Wideband Power Sensor Keysight	N1923A	MY58020002	2026/1/26	2027/1/25

Notes:

1. The test was performed in LK - Oven (Linkou).
2. Tested Date: 2026/7/16

4.2 Maximum Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23
Signal Analyzer R&S	FSV40	101544	2026/7/2	2027/7/1
Software	BVADT_RF_Test_Software V8.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in LK - Oven (Linkou).
2. Tested Date: 2026/7/16

4.3 Emission Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

4.4 In-Band Emission Mask

Refer to section 4.2 to get the tested date and information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

4.6 Contention-based Protocol

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXG Vector Signal Generator KEYSIGHT	N5182B	MY53050430	2025/12/5	2026/12/4
	N5182BU(N5182BX07)	MY59360189	2025/12/5	2026/12/4
Power Divider Woken	0120A02058001M	DCMD33WIK3	2026/4/18	2027/4/17
		DCMD33WIK7	2026/4/18	2027/4/17
Signal & Spectrum Analyzer R&S	FSW26	102023	2025/11/14	2026/11/13

Notes:

1. The test was performed in LK - Adaptivity (Linkou).
2. Tested Date: 2026/8/4

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance LYNICS	0900510	E1-01-305	2026/2/12	2027/2/11
		E1-01-306	2026/4/14	2027/4/13
DC LISN R&S	ESH3-Z6	100219	2026/7/9	2027/7/8
		844950/018	2026/7/9	2027/7/8
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01631	2026/4/30	2027/4/29
EMI Test Receiver R&S	EPL 1000	101064	2026/4/23	2027/4/22
		101065	2026/5/4	2027/5/3
	ESR3	102412	2025/12/23	2026/12/22
High Pass Filter EMCI	150HPF-ME	113009	2026/4/30	2027/4/29
		114005	2026/4/30	2027/4/29
		114006	2026/4/30	2027/4/29
High Voltage Probe Schwarzbeck	TK9420	00982	2025/12/3	2026/12/2
LISN R&S	ENV216	101195	2026/7/9	2027/7/8
		101196	2026/3/3	2027/3/2
		101197	2026/7/3	2027/7/2
LISN Schwarzbeck	NNLK 8121	8121-731	2026/6/5	2027/6/4
		8121-00759	2025/8/12	2026/8/11
		8121-808	2026/4/23	2027/4/22
	NNLK 8129	00624	2025/10/9	2026/10/8
		8129229	2025/10/14	2026/10/13
	NSLK 8128	8128-244	2025/11/11	2026/11/10
Passive Voltage Probe R&S	ESH2-Z3	100073	2026/6/3	2027/6/2
RF Coaxial Cable PEWC	5D-FB	Cable-CO5-01	2026/1/16	2027/1/15
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

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

4.8 Unwanted Emissions below 1 GHz

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

Notes:

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

4.9 Unwanted Emissions above 1 GHz

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

Notes:

1. The test was performed in LK - 966 Chamber 6 (CH 6) (Linkou).
2. Tested Date: 2026/7/9 ~ 2026/7/16

5 Limits of Test Items

5.1 Maximum RF Output Power

Operation Band	Equipment Class	Limit
		Maximum Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6XD: 15E 6 GHz Low-power Indoor client	EIRP 24 dBm

Per KDB 662911 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.

5.2 Maximum Power Spectral Density

Operation Band	Equipment Class	Limit
		Maximum Power Density
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6XD: 15E 6 GHz Low-power Indoor client	EIRP -1 dBm/MHz

5.3 Emission Bandwidth

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 MHz.

5.4 In-Band Emission Mask

Test Item	Frequencies (MHz)	(X) dB ^{*1}
Emission Mask	At 1 MHz outside of channel edge	20
	At one channel bandwidth from the channel center ^{*2}	28
	At one- and one-half times the channel bandwidth away from channel center ^{*3}	40
	More than one- and one-half times the channel bandwidth	40

^{*1} : The power spectral density must be suppressed by "x" dB

^{*2} : At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression,

^{*3} : At frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Contention-based Protocol

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm (The threshold is referenced to a 0 dBi antenna gain.) or lower. Additionally, indoor low-power devices must detect co-channel energy with 90% or greater certainty.

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

Frequencies (MHz)	EIRP Limit	Equivalent Field Strength at 3 m
5925 MHz > F > 7125 MHz	Peak: -7 (dBm/MHz)	88.2 (dBuV/m)
	Average: -27 (dBm/MHz)	68.2 (dBuV/m)

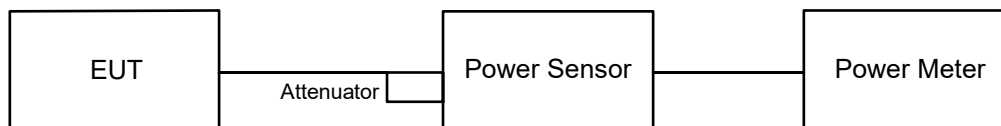
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup



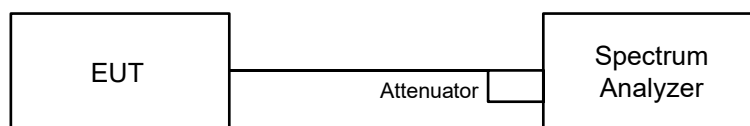
Note: The correction factor has already been compensated by the instrument.

6.1.2 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.

6.2 Maximum Power Spectral Density

6.2.1 Test Setup



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

6.2.2 Test Procedure

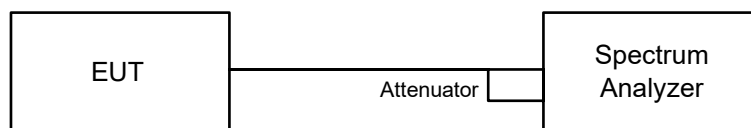
For specified measurement bandwidth 1 MHz:

Method SA-1

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

6.3 Emission Bandwidth

6.3.1 Test Setup



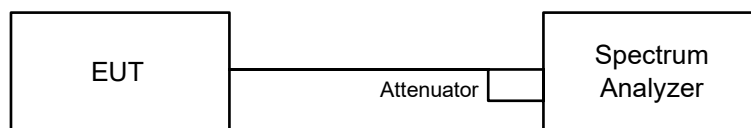
Note: The correction factor has already been compensated by the instrument.

6.3.2 Test Procedure

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

6.4 In-Band Emission Mask

6.4.1 Test Setup



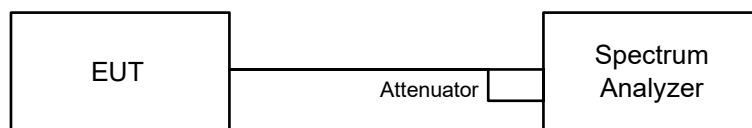
Note: The correction factor has already been compensated by the instrument.

6.4.2 Test Procedure

- a. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
- b. Measure the 26 dB EBW using the test procedure 12.5.2 of ANSI C63.10-2020. (This will be used to determine the channel edge.)
- c. Measure the power spectral density (for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
- a. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - b) Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
- a. Adjust the span to encompass the entire mask as necessary and clear trace.
- b. Trace average at least 100 traces in power averaging (rms) mode.
- c. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

6.5 Occupied Bandwidth

6.5.1 Test Setup



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

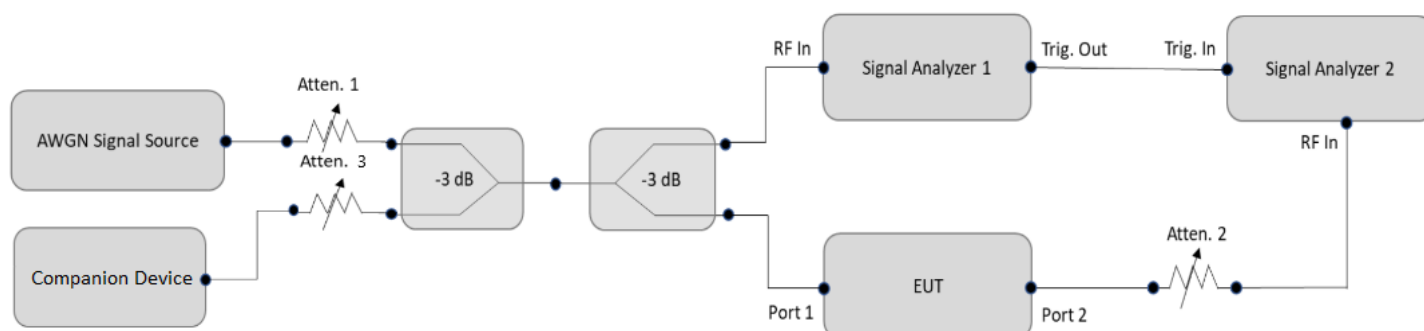
6.5.2 Test Procedure

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

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

6.6 Contention-based Protocol

6.6.1 Test Setup



6.6.2 Test Procedure

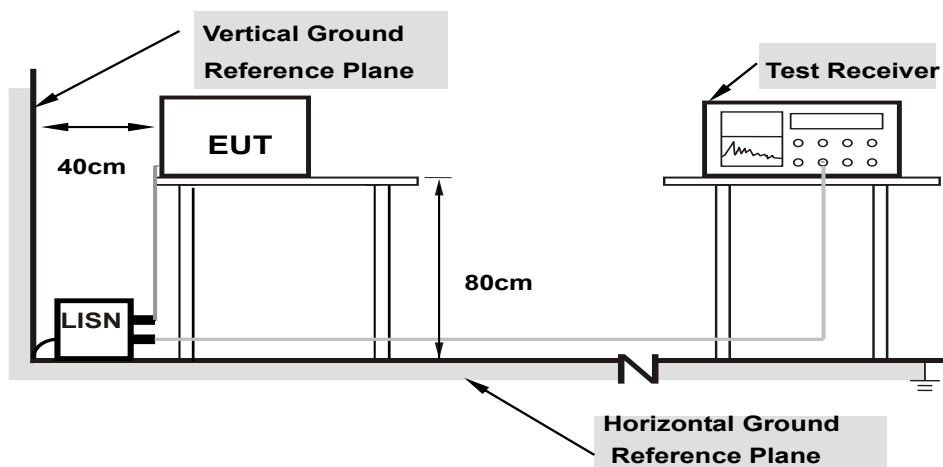
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters (set as following section 4.7.5 EUT operating condition).
- Determine number of times detection threshold test as following table,

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Same as EUT transmission
$BW_{Inc} < BW_{EUT} \leq 2x BW_{Inc}$	Once	Contained within BW_{EUT}
$2x BW_{Inc} < BW_{EUT} \leq 4x BW_{Inc}$	Twice. (Incumbent transmission is contained within BW_{EUT})	Closely to the lower edge and upper edge of the EUT Channel
$BW_{EUT} > 4x BW_{Inc}$	Three times	Closely to the lower edge ,in the middle and upper edge of the EUT Channel

- The power measurement of AWGN signal refers to method SA-1 in section 12.4.2.2 of ANSI C63.10-2020.
- Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step c table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT.
- Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- Refer to step c table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step d, choose a different center frequency for the AWGN signal and repeat the process.

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

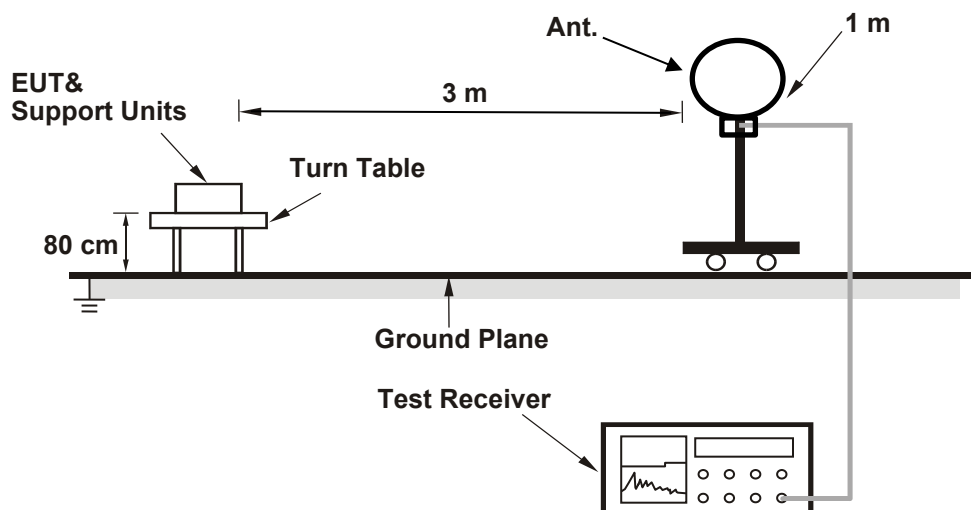
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The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

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

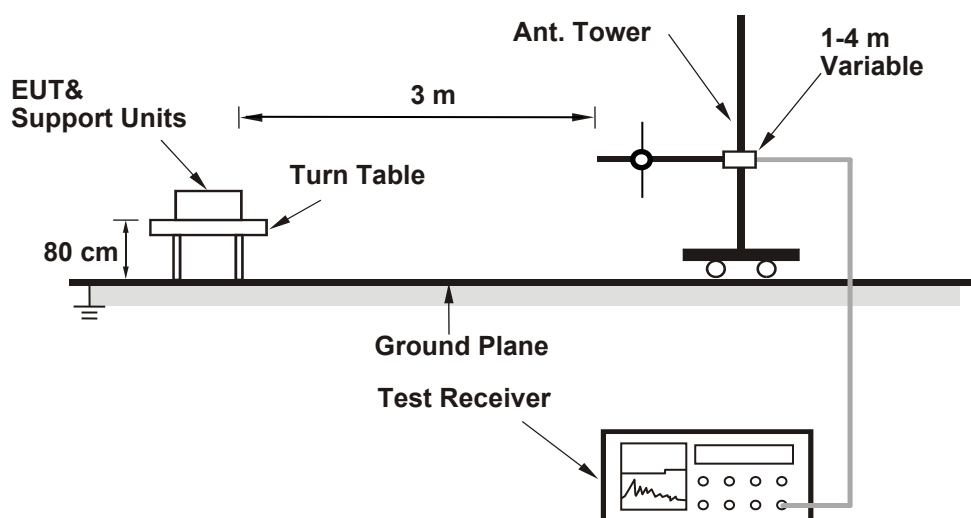
6.8 Unwanted Emissions below 1 GHz

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

Notes:

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

For Radiated emission above 30 MHz

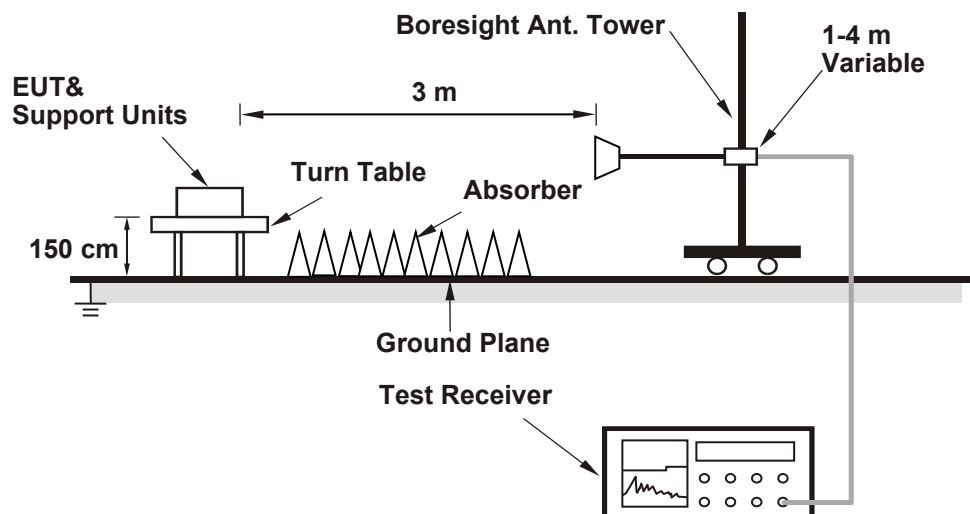
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.9 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 Maximum 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)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	3.25	2.11	3.739	5.73	3.78	8.928	9.51	24	Pass
45	6175	2.42	2.26	3.428	5.35	3.78	8.185	9.13	24	Pass
93	6415	0.59	-0.18	2.1049	3.23	3.78	5.026	7.01	24	Pass
97	6435	1.33	0.61	2.509	4.00	3.78	5.991	7.78	24	Pass
105	6475	1.07	1.03	2.547	4.06	3.78	6.082	7.84	24	Pass
113	6515	1.21	1.27	2.661	4.25	3.78	6.354	8.03	24	Pass
117	6535	2.32	1.34	3.068	4.87	3.78	7.326	8.65	24	Pass
149	6695	1.60	-0.17	2.4071	3.81	3.78	5.748	7.59	24	Pass
181	6855	0.49	-1.36	1.8506	2.67	3.78	4.419	6.45	24	Pass
185	6875	0.31	-1.72	1.747	2.42	3.78	4.172	6.2	24	Pass
209	6995	-1.82	-4.00	1.0558	0.24	3.78	2.521	4.02	24	Pass
233	7115	-2.83	-4.31	0.8919	-0.50	3.78	2.13	3.28	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 3.78 dBi.
3. For U-NII-6, The maximum gain is 3.78 dBi.
4. For U-NII-7, The maximum gain is 3.78 dBi.
5. For U-NII-8, The maximum gain is 3.78 dBi.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	3.44	2.36	3.93	5.94	3.78	9.384	9.72	24	Pass
45	6175	2.63	2.45	3.59	5.55	3.78	8.572	9.33	24	Pass
93	6415	0.77	0.11	2.22	3.46	3.78	5.301	7.24	24	Pass
97	6435	1.48	0.76	2.597	4.14	3.78	6.201	7.92	24	Pass
105	6475	1.31	1.29	2.698	4.31	3.78	6.442	8.09	24	Pass
113	6515	1.42	1.54	2.812	4.49	3.78	6.715	8.27	24	Pass
117	6535	2.63	1.55	3.261	5.13	3.78	7.787	8.91	24	Pass
149	6695	1.74	0.09	2.514	4.00	3.78	6.003	7.78	24	Pass
181	6855	0.66	-1.05	1.9494	2.90	3.78	4.655	6.68	24	Pass
185	6875	0.47	-1.36	1.8454	2.66	3.78	4.406	6.44	24	Pass
209	6995	-1.64	-3.58	1.124	0.51	3.78	2.684	4.29	24	Pass
233	7115	-2.58	-4.09	0.942	-0.26	3.78	2.249	3.52	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 3.78 dBi.
3. For U-NII-6, The maximum gain is 3.78 dBi.
4. For U-NII-7, The maximum gain is 3.78 dBi.
5. For U-NII-8, The maximum gain is 3.78 dBi.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	6.09	6.90	8.962	9.52	3.78	21.4	13.3	24	Pass
43	6165	5.59	7.24	8.919	9.50	3.78	21.297	13.28	24	Pass
91	6405	5.97	6.78	8.718	9.40	3.78	20.817	13.18	24	Pass
99	6445	6.02	6.96	8.965	9.53	3.78	21.407	13.31	24	Pass
107	6485	5.78	6.97	8.762	9.43	3.78	20.922	13.21	24	Pass
115	6525	5.83	6.84	8.659	9.37	3.78	20.676	13.15	24	Pass
123	6565	5.98	6.95	8.917	9.50	3.78	21.292	13.28	24	Pass
155	6725	5.78	7.30	9.155	9.62	3.78	21.86	13.4	24	Pass
179	6845	5.55	7.04	8.647	9.37	3.78	20.647	13.15	24	Pass
187	6885	5.73	7.14	8.917	9.50	3.78	21.292	13.28	24	Pass
211	7005	4.62	4.88	5.973	7.76	3.78	14.262	11.54	24	Pass
227	7085	4.80	4.96	6.153	7.89	3.78	14.692	11.67	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 3.78 dBi.
3. For U-NII-6, The maximum gain is 3.78 dBi.
4. For U-NII-7, The maximum gain is 3.78 dBi.
5. For U-NII-8, The maximum gain is 3.78 dBi.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	9.40	10.31	19.45	12.89	3.78	46.443	16.67	24	Pass
39	6145	8.15	10.36	17.396	12.40	3.78	41.538	16.18	24	Pass
87	6385	9.31	10.17	18.93	12.77	3.78	45.201	16.55	24	Pass
103	6465	9.14	10.14	18.531	12.68	3.78	44.249	16.46	24	Pass
119	6545	9.07	9.95	17.958	12.54	3.78	42.88	16.32	24	Pass
151	6705	8.75	9.90	17.271	12.37	3.78	41.24	16.15	24	Pass
183	6865	8.60	10.08	17.43	12.41	3.78	41.62	16.19	24	Pass
199	6945	8.85	9.54	16.669	12.22	3.78	39.802	16	24	Pass
215	7025	8.11	7.89	12.623	11.01	3.78	30.141	14.79	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 3.78 dBi.
3. For U-NII-6, The maximum gain is 3.78 dBi.
4. For U-NII-7, The maximum gain is 3.78 dBi.
5. For U-NII-8, The maximum gain is 3.78 dBi.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	11.48	12.99	33.967	15.31	3.78	81.107	19.09	24	Pass
47	6185	10.91	12.87	31.695	15.01	3.78	75.682	18.79	24	Pass
79	6345	11.18	12.75	31.958	15.05	3.78	76.31	18.83	24	Pass
111	6505	11.52	12.72	32.897	15.17	3.78	78.552	18.95	24	Pass
143	6665	11.70	12.40	32.169	15.07	3.78	76.814	18.85	24	Pass
175	6825	12.03	12.82	35.101	15.45	3.78	83.815	19.23	24	Pass
207	6985	10.66	11.27	25.038	13.99	3.78	59.786	17.77	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 3.78 dBi.
3. For U-NII-6, The maximum gain is 3.78 dBi.
4. For U-NII-7, The maximum gain is 3.78 dBi.
5. For U-NII-8, The maximum gain is 3.78 dBi.

7.2 Maximum 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)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-10.38	-11.47	-7.88	6.55	-1.33	-1	Pass
45	6175	-11.39	-11.82	-8.59	6.55	-2.04	-1	Pass
93	6415	-12.93	-14.21	-10.51	6.55	-3.96	-1	Pass
97	6435	-12.82	-13.11	-9.95	6.55	-3.4	-1	Pass
105	6475	-12.91	-12.72	-9.80	6.55	-3.25	-1	Pass
113	6515	-12.66	-12.39	-9.51	6.55	-2.96	-1	Pass
117	6535	-11.38	-12.18	-8.75	6.55	-2.2	-1	Pass
149	6695	-12.56	-14.14	-10.27	6.55	-3.72	-1	Pass
181	6855	-13.44	-15.62	-11.38	6.55	-4.83	-1	Pass
185	6875	-14.21	-15.92	-11.97	6.55	-5.42	-1	Pass
209	6995	-13.98	-16.18	-11.93	6.55	-5.38	-1	Pass
233	7115	-14.42	-16.15	-12.19	6.55	-5.64	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 6.55 dBi.
4. For U-NII-6, The directional gain is 6.55 dBi.
5. For U-NII-7, The directional gain is 6.55 dBi.
6. For U-NII-8, The directional gain is 6.55 dBi.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-10.81	-11.95	-8.33	6.55	-1.78	-1	Pass
45	6175	-11.18	-12.09	-8.60	6.55	-2.05	-1	Pass
93	6415	-13.87	-14.27	-11.06	6.55	-4.51	-1	Pass
97	6435	-13.16	-13.46	-10.30	6.55	-3.75	-1	Pass
105	6475	-13.23	-12.92	-10.06	6.55	-3.51	-1	Pass
113	6515	-13.05	-12.66	-9.84	6.55	-3.29	-1	Pass
117	6535	-11.75	-12.51	-9.10	6.55	-2.55	-1	Pass
149	6695	-12.92	-14.39	-10.58	6.55	-4.03	-1	Pass
181	6855	-14.33	-15.59	-11.90	6.55	-5.35	-1	Pass
185	6875	-14.56	-16.23	-12.30	6.55	-5.75	-1	Pass
209	6995	-14.69	-16.39	-12.45	6.55	-5.9	-1	Pass
233	7115	-14.43	-16.57	-12.36	6.55	-5.81	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 6.55 dBi.
4. For U-NII-6, The directional gain is 6.55 dBi.
5. For U-NII-7, The directional gain is 6.55 dBi.
6. For U-NII-8, The directional gain is 6.55 dBi.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
3	5965	-11.23	-10.65	-7.92	6.55	-1.37	-1	Pass
43	6165	-12.20	-10.23	-8.09	6.55	-1.54	-1	Pass
91	6405	-11.55	-10.59	-8.03	6.55	-1.48	-1	Pass
99	6445	-11.49	-10.40	-7.90	6.55	-1.35	-1	Pass
107	6485	-11.73	-10.46	-8.04	6.55	-1.49	-1	Pass
115	6525	-11.56	-10.31	-7.88	6.55	-1.33	-1	Pass
123	6565	-11.41	-10.49	-7.92	6.55	-1.37	-1	Pass
155	6725	-11.90	-10.28	-8.00	6.55	-1.45	-1	Pass
179	6845	-12.70	-10.82	-8.65	6.55	-2.1	-1	Pass
187	6885	-12.51	-10.70	-8.50	6.55	-1.95	-1	Pass
211	7005	-10.96	-10.97	-7.95	6.55	-1.4	-1	Pass
227	7085	-10.98	-10.92	-7.94	6.55	-1.39	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 6.55 dBi.
4. For U-NII-6, The directional gain is 6.55 dBi.
5. For U-NII-7, The directional gain is 6.55 dBi.
6. For U-NII-8, The directional gain is 6.55 dBi.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
7	5985	-11.21	-10.17	-7.65	6.55	-1.1	-1	Pass
39	6145	-12.04	-10.02	-7.90	6.55	-1.35	-1	Pass
87	6385	-11.40	-10.19	-7.74	6.55	-1.19	-1	Pass
103	6465	-11.26	-11.19	-8.21	6.55	-1.66	-1	Pass
119	6545	-11.21	-10.40	-7.78	6.55	-1.23	-1	Pass
151	6705	-11.54	-10.44	-7.94	6.55	-1.39	-1	Pass
183	6865	-12.01	-10.43	-8.14	6.55	-1.59	-1	Pass
199	6945	-11.98	-10.75	-8.31	6.55	-1.76	-1	Pass
215	7025	-10.69	-10.59	-7.63	6.55	-1.08	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 6.55 dBi.
4. For U-NII-6, The directional gain is 6.55 dBi.
5. For U-NII-7, The directional gain is 6.55 dBi.
6. For U-NII-8, The directional gain is 6.55 dBi.

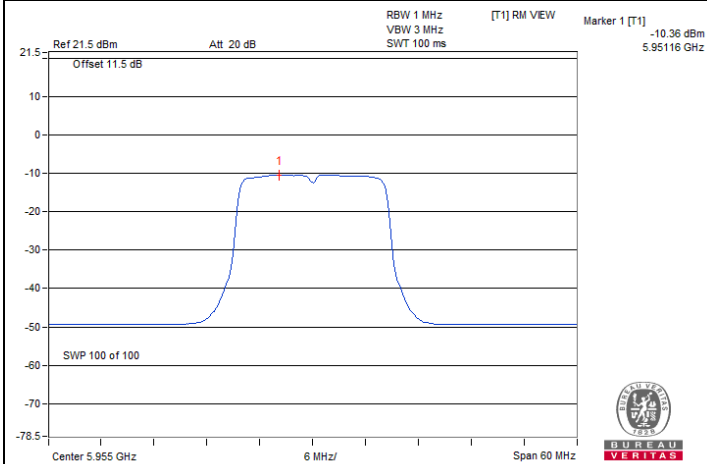
802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
15	6025	-11.60	-10.20	-7.83	6.55	-1.28	-1	Pass
47	6185	-12.15	-10.40	-8.18	6.55	-1.63	-1	Pass
79	6345	-12.35	-10.55	-8.35	6.55	-1.8	-1	Pass
111	6505	-11.76	-10.53	-8.09	6.55	-1.54	-1	Pass
143	6665	-12.13	-10.77	-8.39	6.55	-1.84	-1	Pass
175	6825	-11.88	-10.61	-8.19	6.55	-1.64	-1	Pass
207	6985	-11.09	-10.33	-7.68	6.55	-1.13	-1	Pass

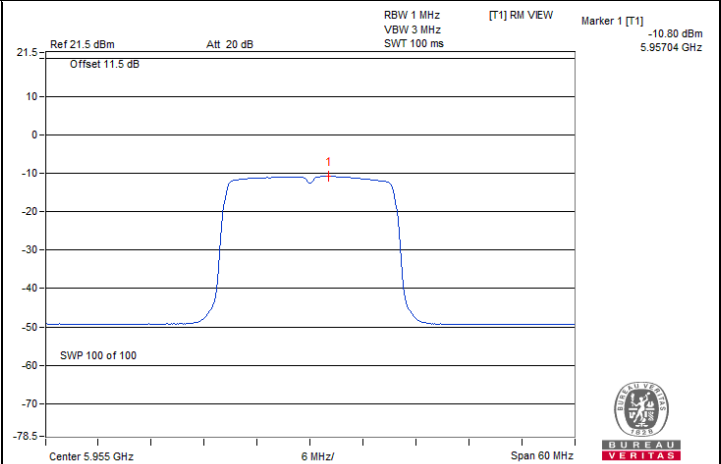
Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 6.55 dBi.
4. For U-NII-6, The directional gain is 6.55 dBi.
5. For U-NII-7, The directional gain is 6.55 dBi.
6. For U-NII-8, The directional gain is 6.55 dBi.

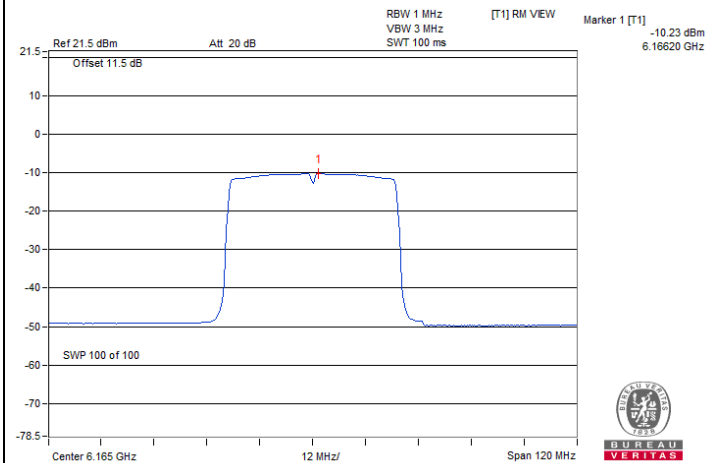
Spectrum Plot of Maximum Value



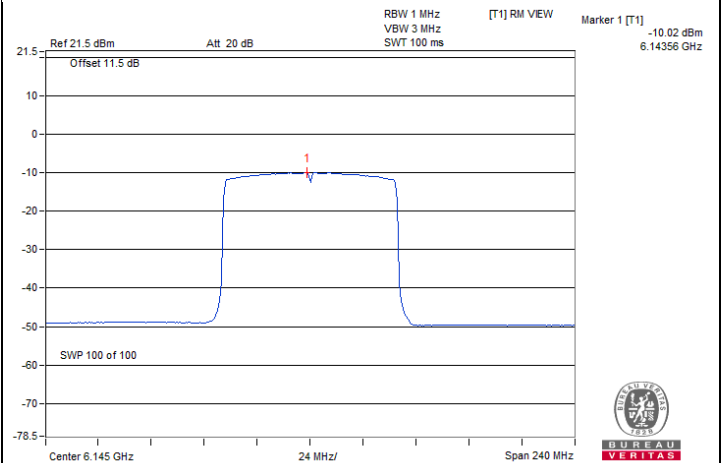
802.11a / Chain 0: CH 1



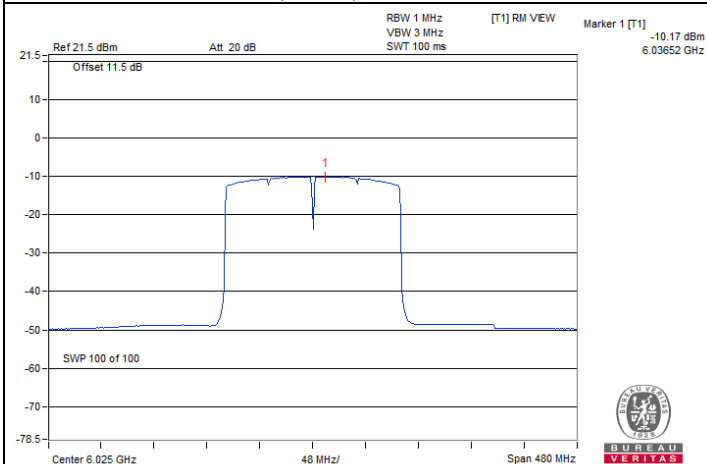
802.11ax (HE20) / Chain 0: CH 1



802.11ax (HE40) / Chain 1: CH 43



802.11ax (HE80) / Chain 1: CH 39



802.11ax (HE160) / Chain 1: CH 15

7.3 Emission 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)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.45	19.43	320	Pass
45	6175	19.48	19.41	320	Pass
93	6415	19.53	19.39	320	Pass
97	6435	19.46	19.28	320	Pass
105	6475	19.44	19.24	320	Pass
113	6515	19.49	19.31	320	Pass
117	6535	19.52	19.54	320	Pass
149	6695	19.26	19.47	320	Pass
181	6855	19.41	19.49	320	Pass
185	6875	19.66	19.49	320	Pass
209	6995	19.50	19.43	320	Pass
233	7115	19.38	19.25	320	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	21.10	21.36	320	Pass
45	6175	20.94	21.30	320	Pass
93	6415	21.21	21.08	320	Pass
97	6435	21.28	21.30	320	Pass
105	6475	21.04	21.32	320	Pass
113	6515	21.24	21.04	320	Pass
117	6535	21.19	21.13	320	Pass
149	6695	21.24	21.15	320	Pass
181	6855	21.26	21.16	320	Pass
185	6875	21.14	21.36	320	Pass
209	6995	21.29	20.91	320	Pass
233	7115	21.16	21.19	320	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	41.24	40.95	320	Pass
43	6165	40.88	40.83	320	Pass
91	6405	41.09	40.97	320	Pass
99	6445	40.95	41.14	320	Pass
107	6485	40.94	40.95	320	Pass
115	6525	41.15	41.16	320	Pass
123	6565	40.88	40.93	320	Pass
155	6725	41.08	40.93	320	Pass
179	6845	40.95	40.89	320	Pass
187	6885	40.78	40.98	320	Pass
211	7005	40.67	40.57	320	Pass
227	7085	40.91	41.07	320	Pass

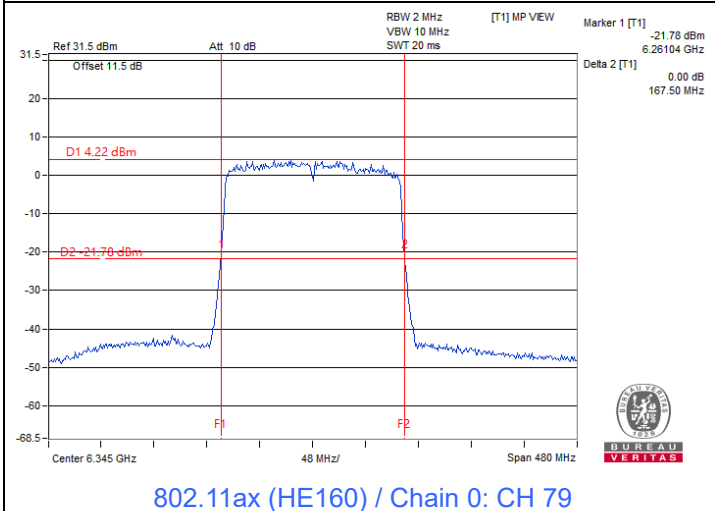
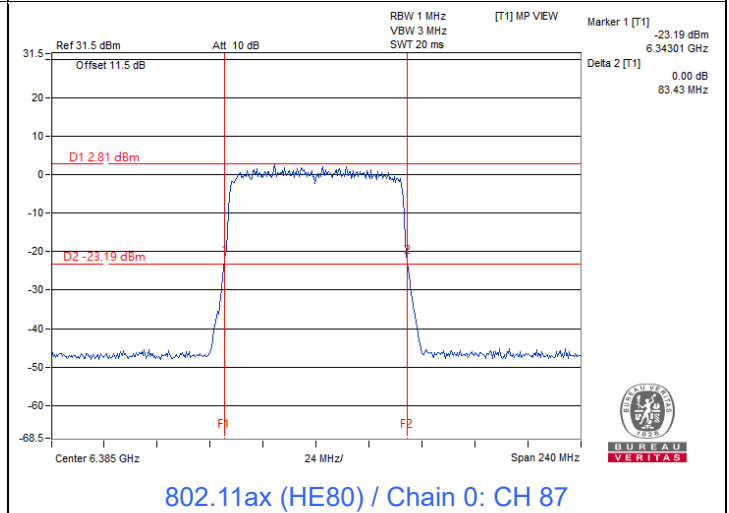
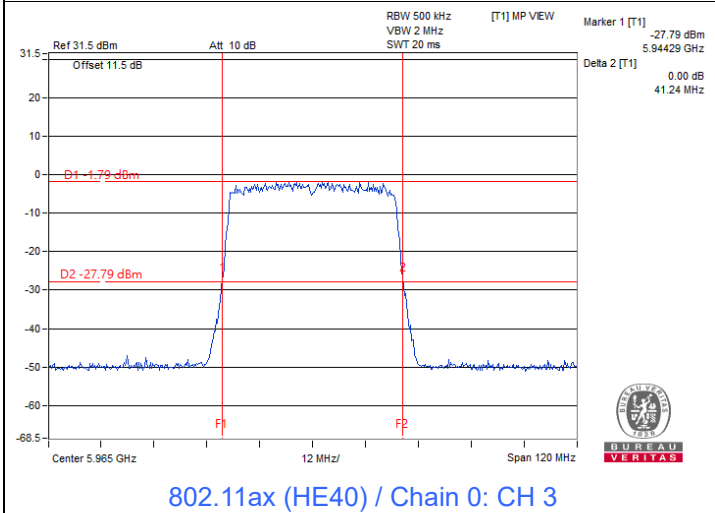
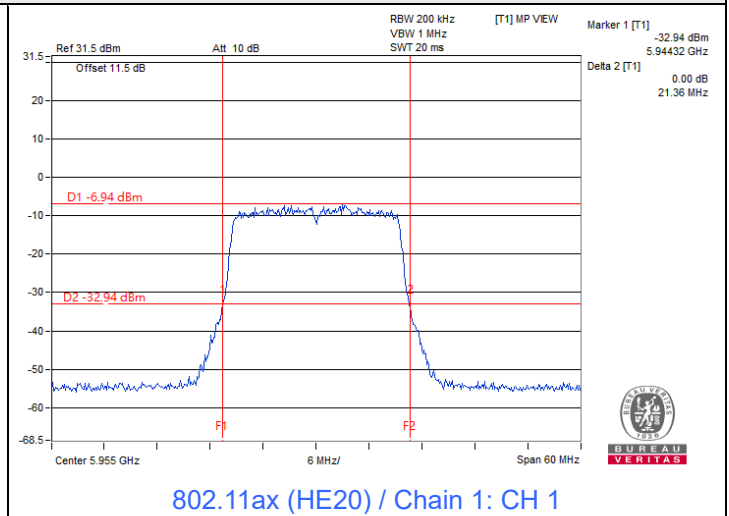
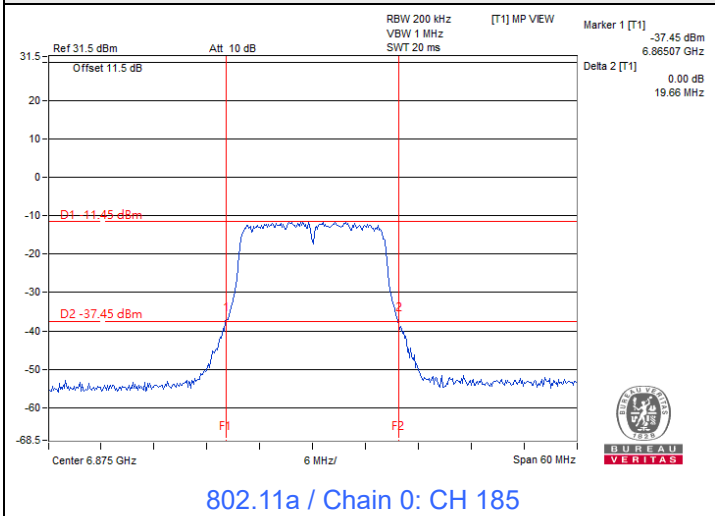
802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	83.36	83.07	320	Pass
39	6145	83.17	83.10	320	Pass
87	6385	83.43	82.92	320	Pass
103	6465	83.01	82.93	320	Pass
119	6545	83.02	83.29	320	Pass
151	6705	83.03	83.05	320	Pass
183	6865	83.27	83.24	320	Pass
199	6945	83.37	83.37	320	Pass
215	7025	82.79	82.38	320	Pass

802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	166.79	167.14	320	Pass
47	6185	166.93	166.96	320	Pass
79	6345	167.50	167.26	320	Pass
111	6505	166.92	166.49	320	Pass
143	6665	167.35	166.60	320	Pass
175	6825	166.26	167.14	320	Pass
207	6985	166.65	166.95	320	Pass

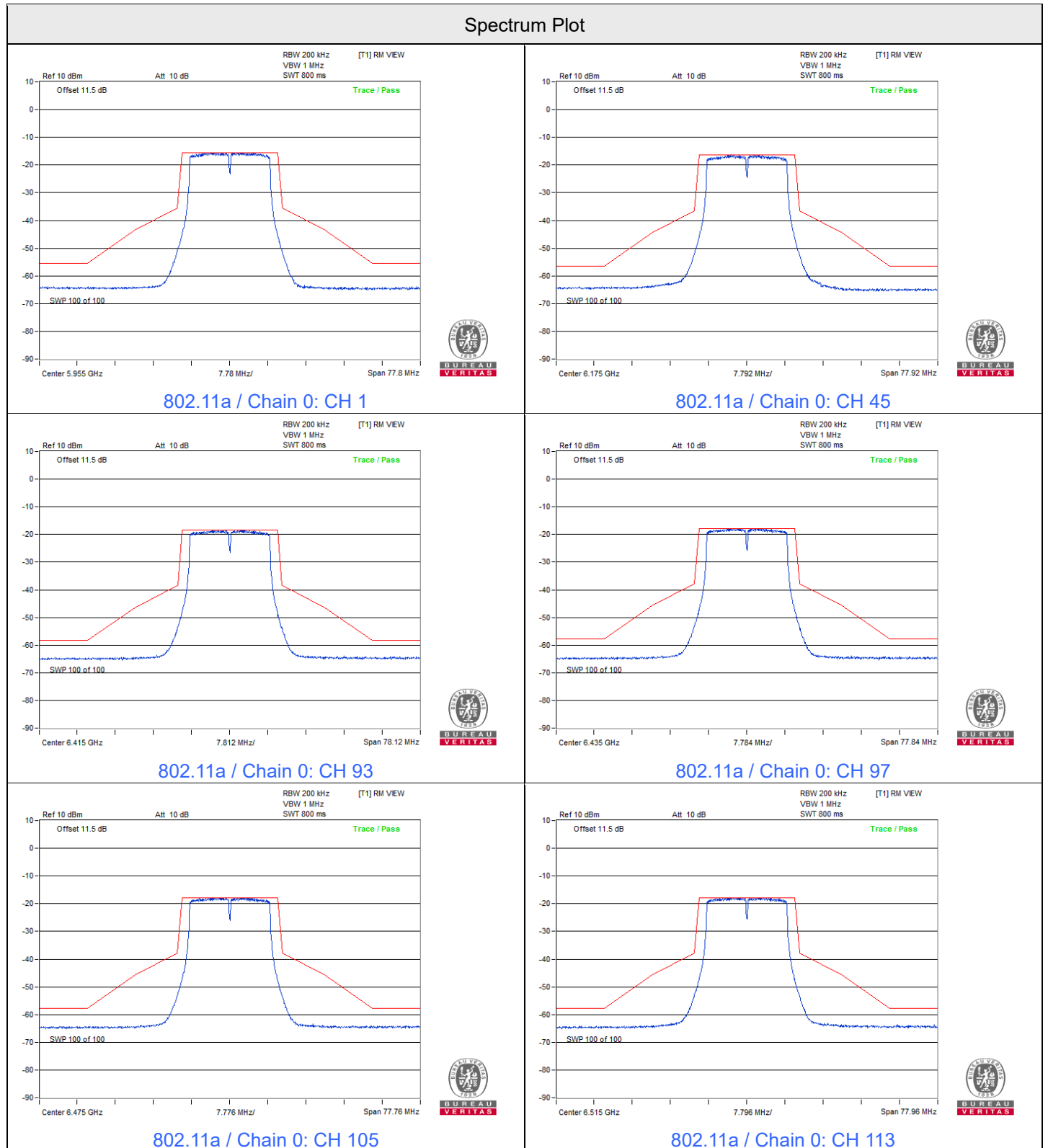
Spectrum Plot of Maximum Value



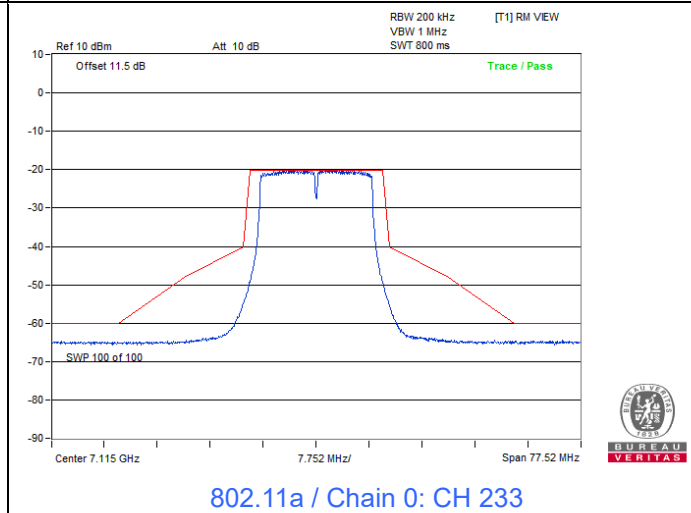
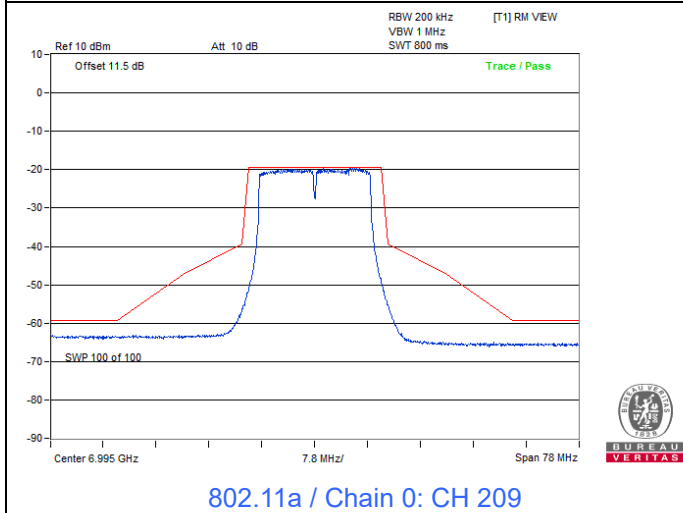
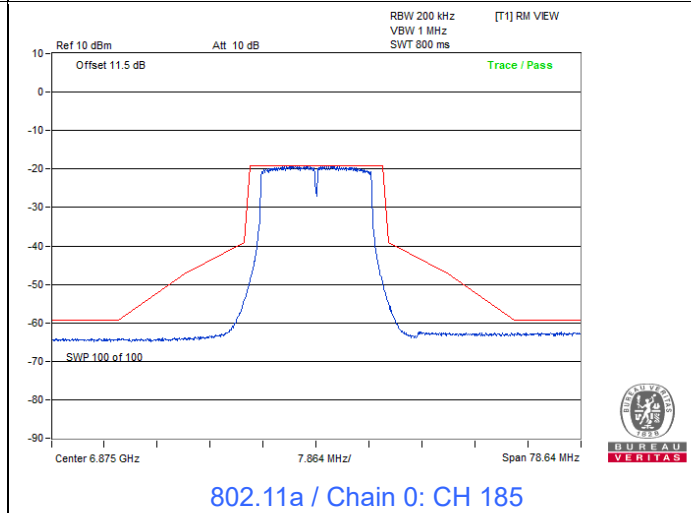
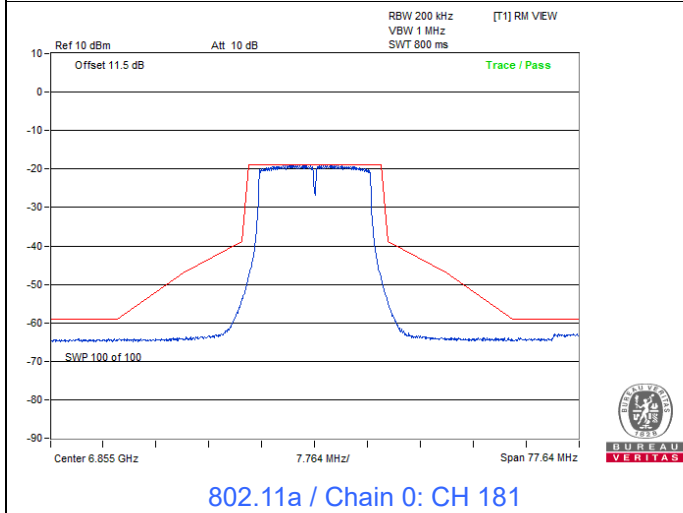
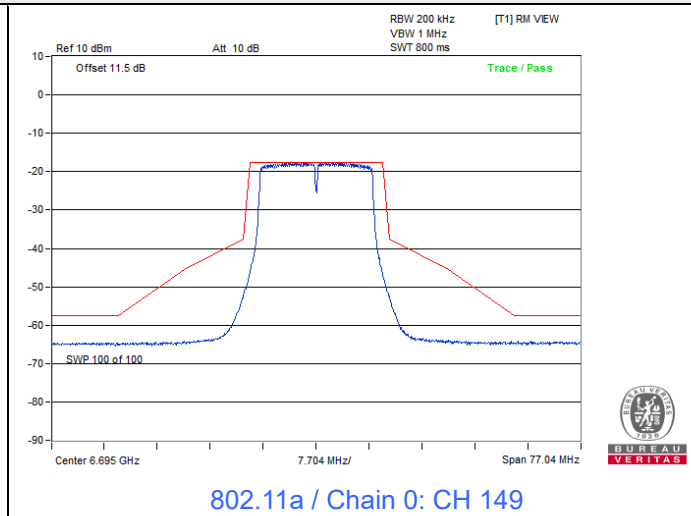
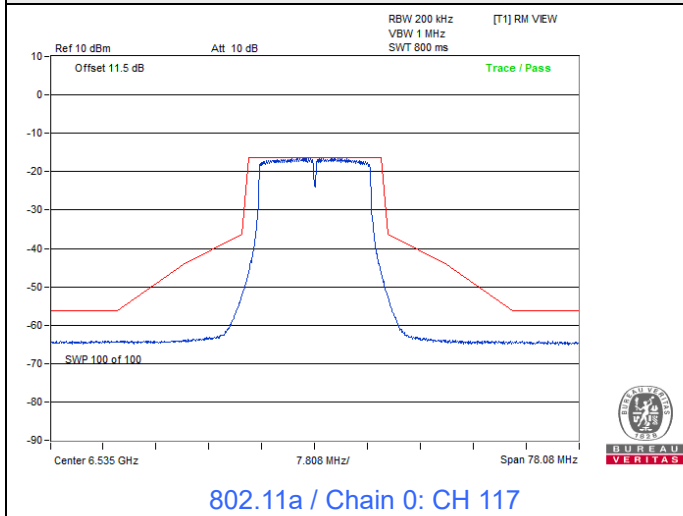
7.4 In-Band Emission Mask

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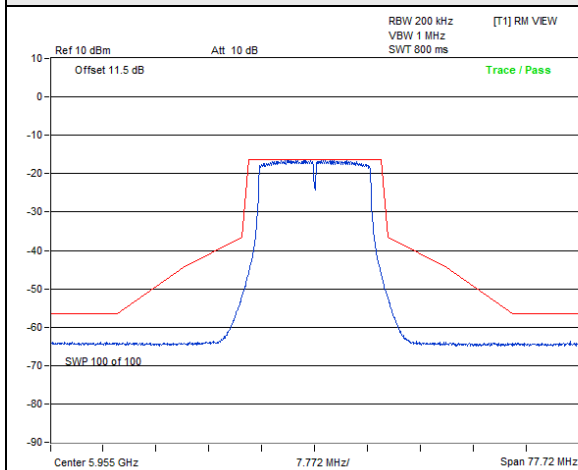
802.11a



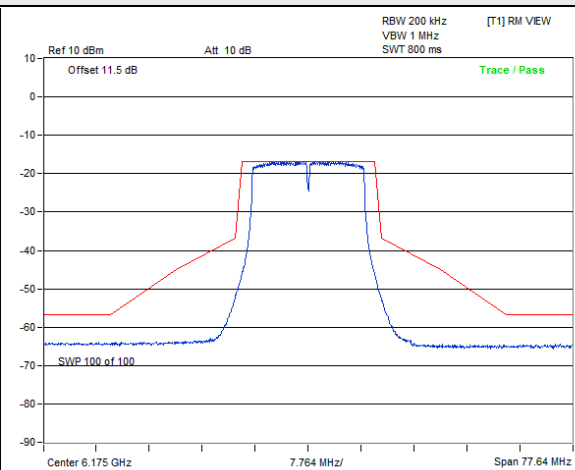
Spectrum Plot



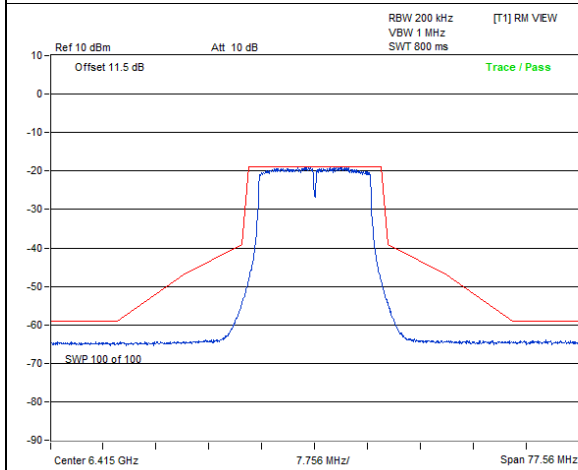
Spectrum Plot



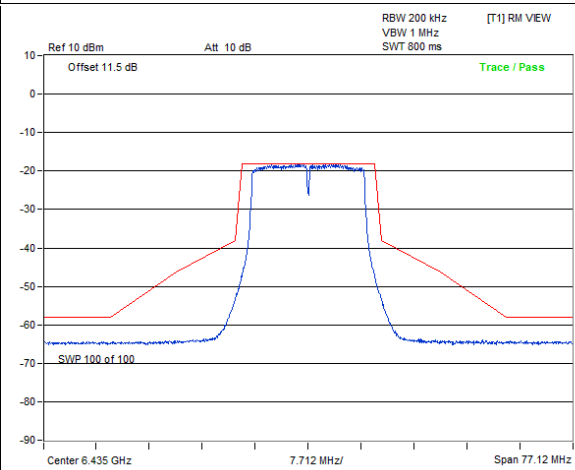
802.11a / Chain 1: CH 1



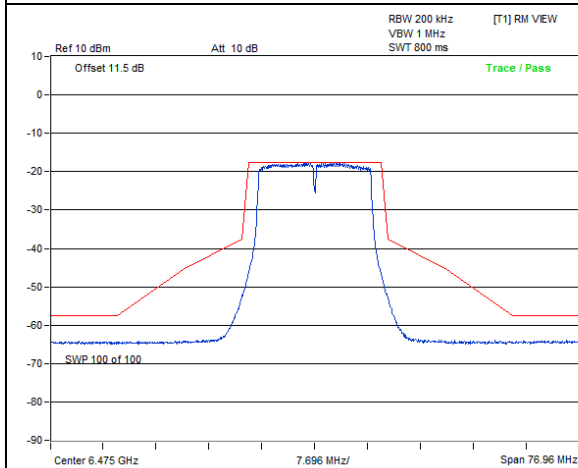
802.11a / Chain 1: CH 45



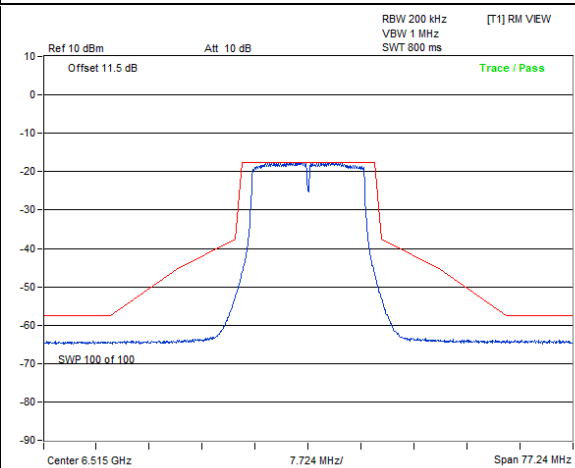
802.11a / Chain 1: CH 93



802.11a / Chain 1: CH 97

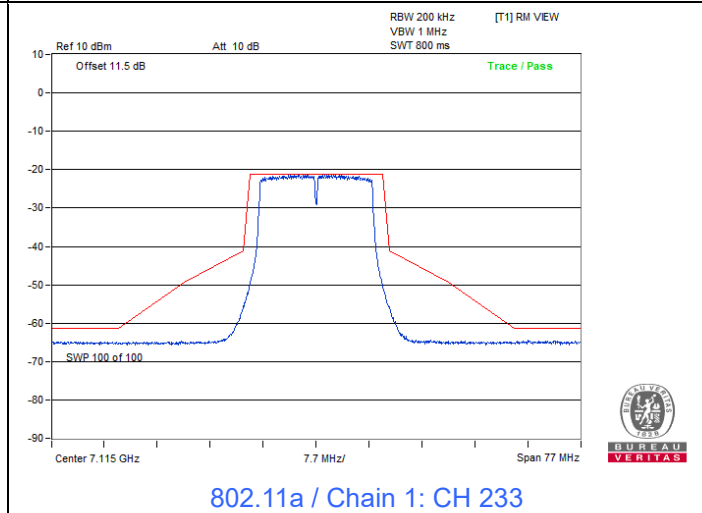
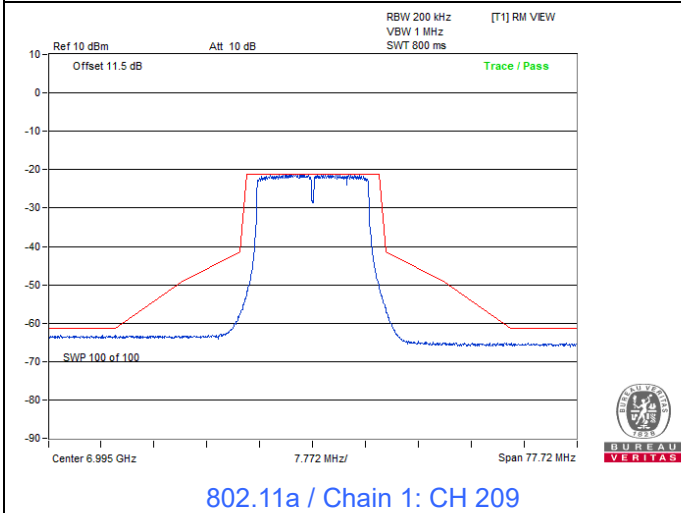
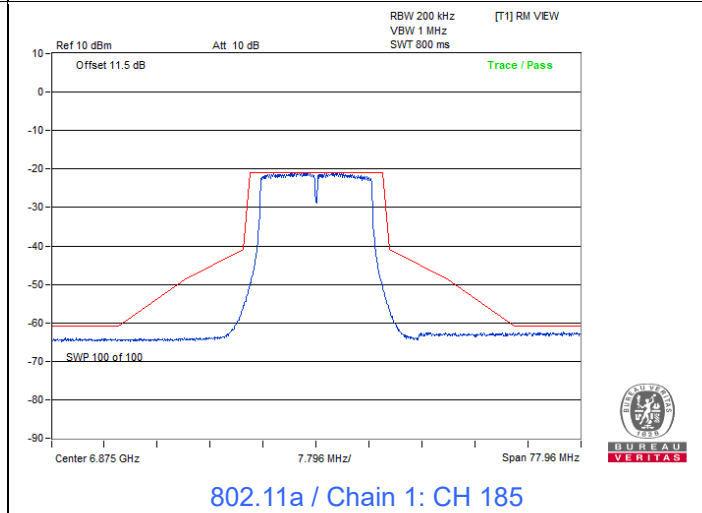
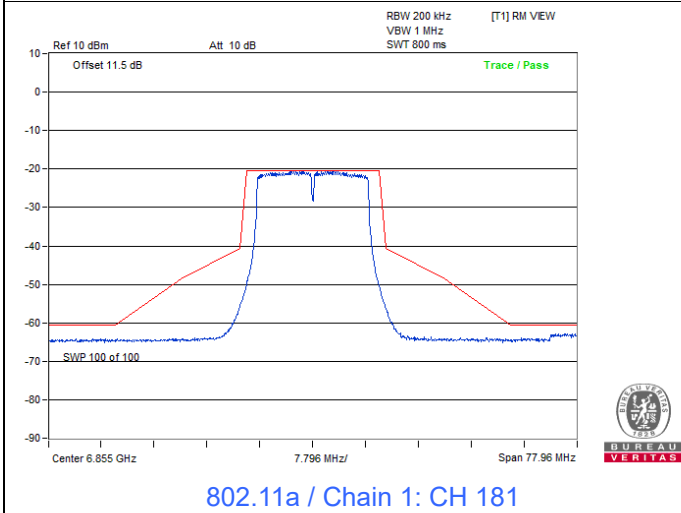
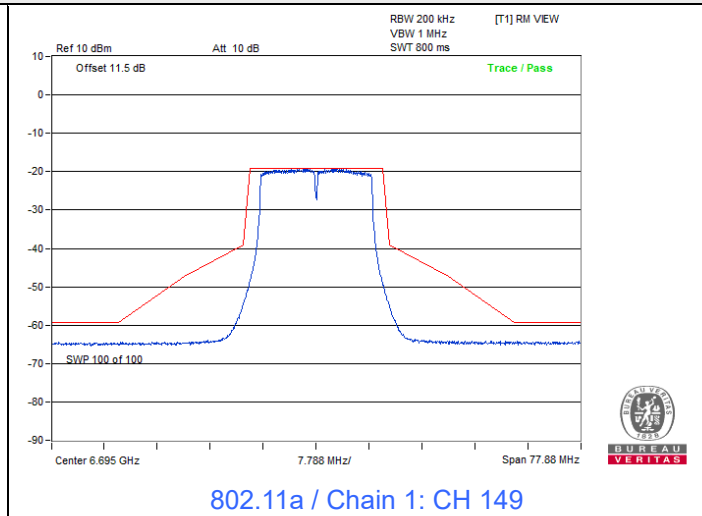
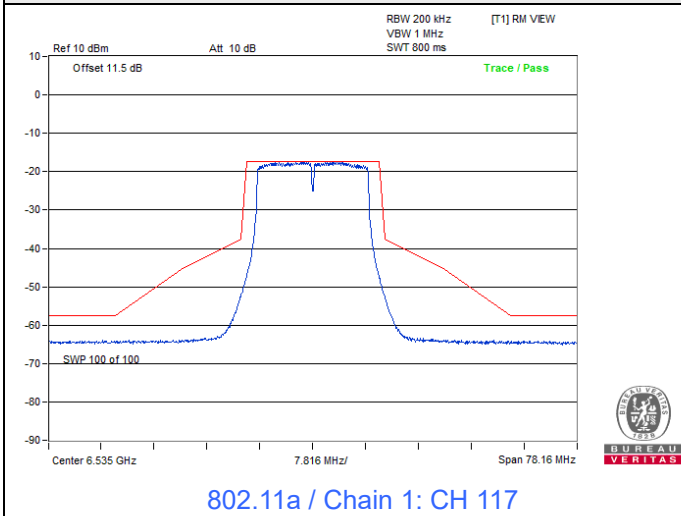


802.11a / Chain 1: CH 105

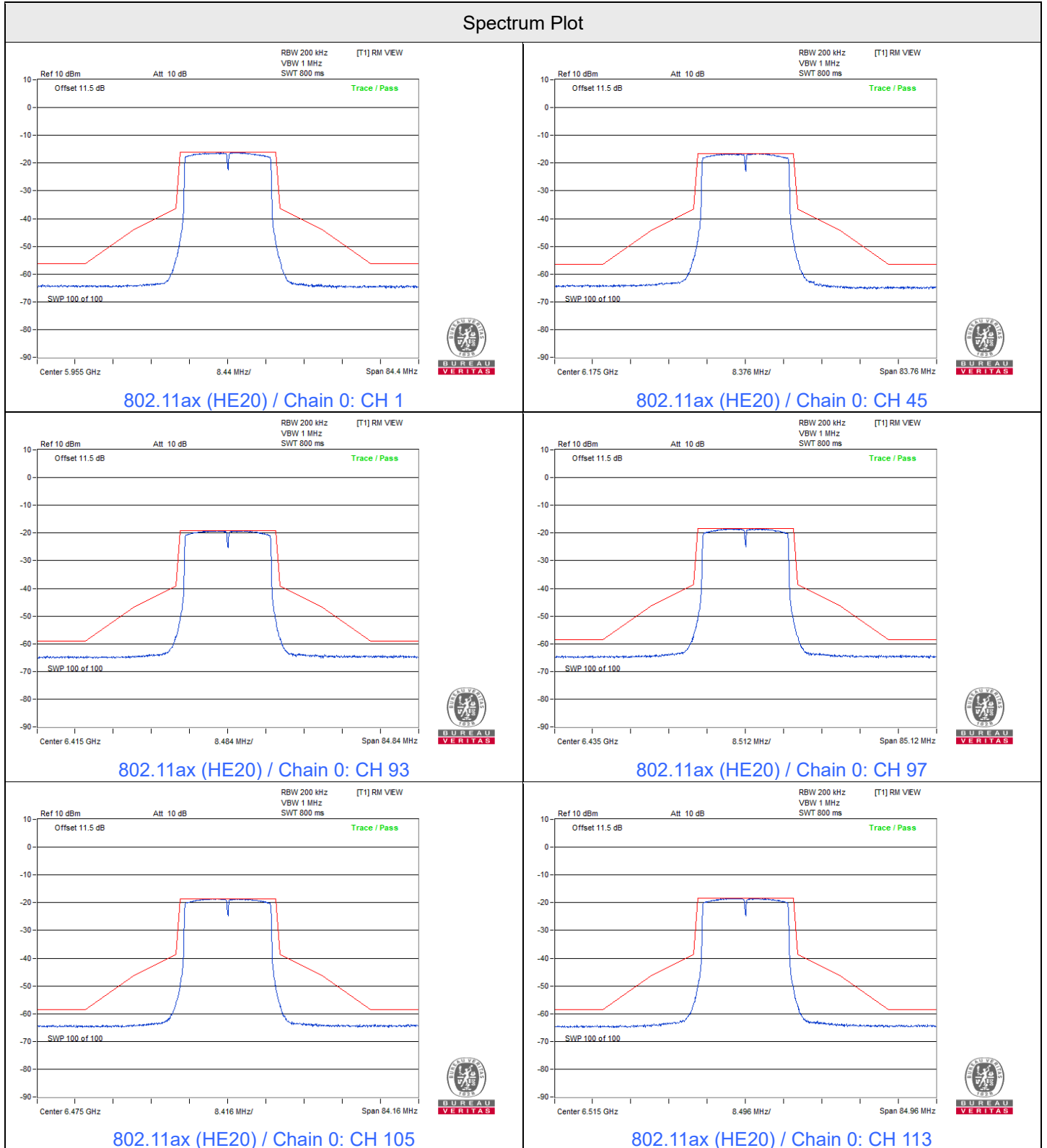


802.11a / Chain 1: CH 113

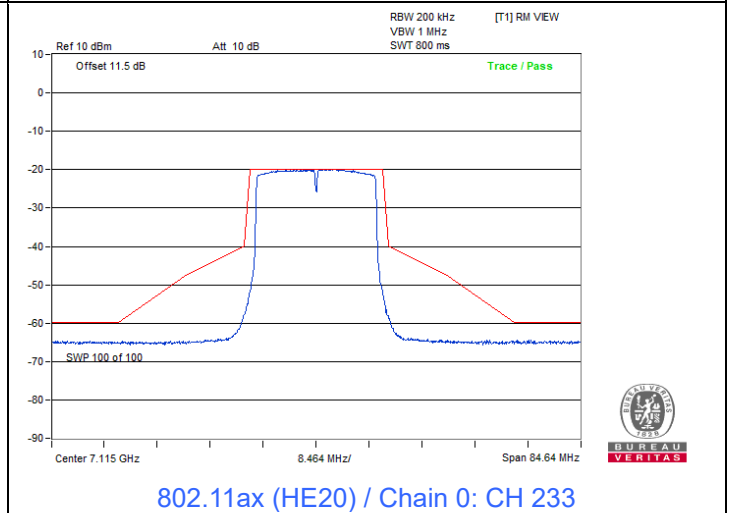
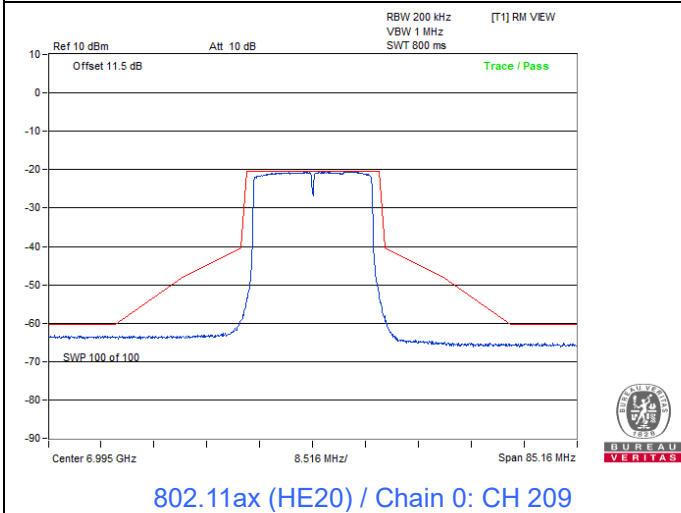
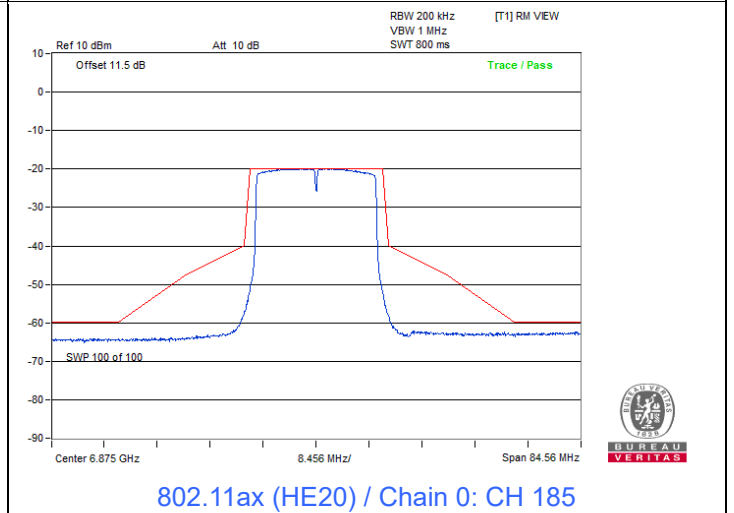
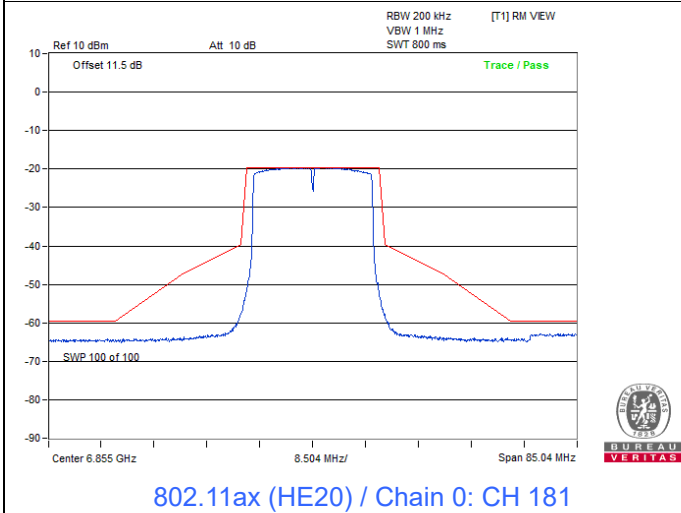
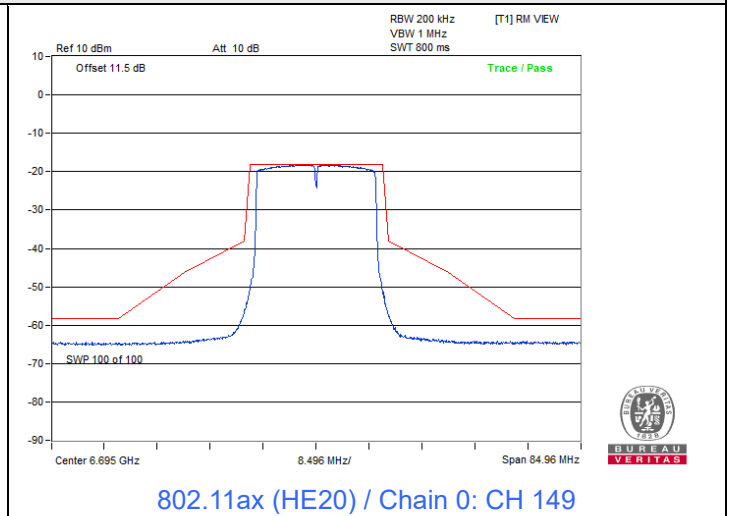
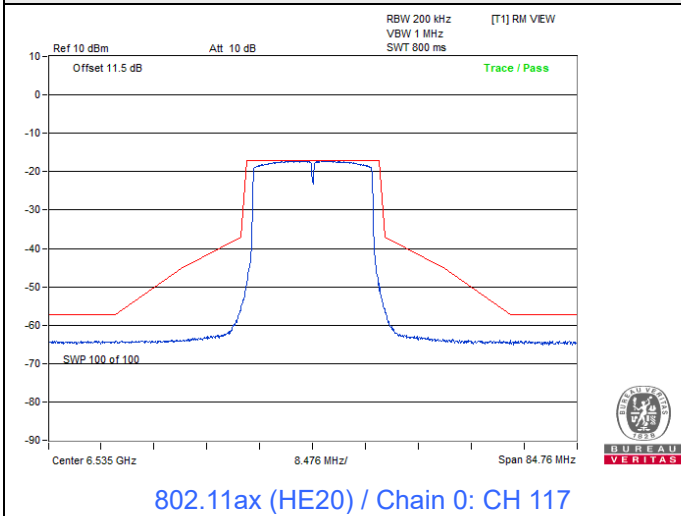
Spectrum Plot



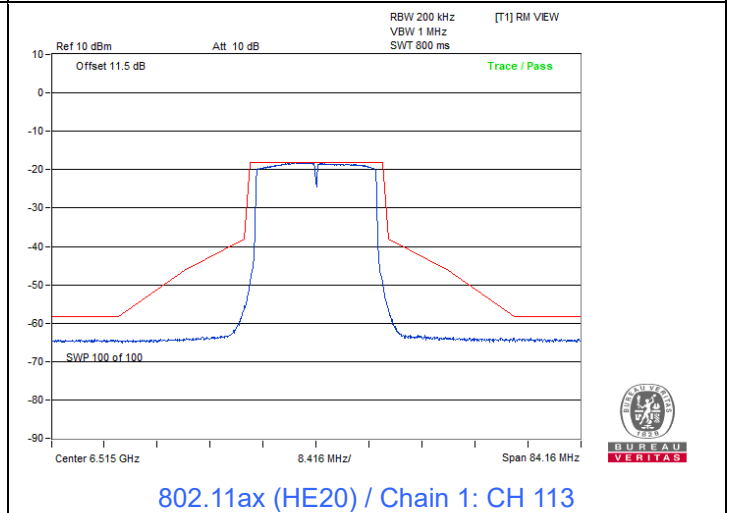
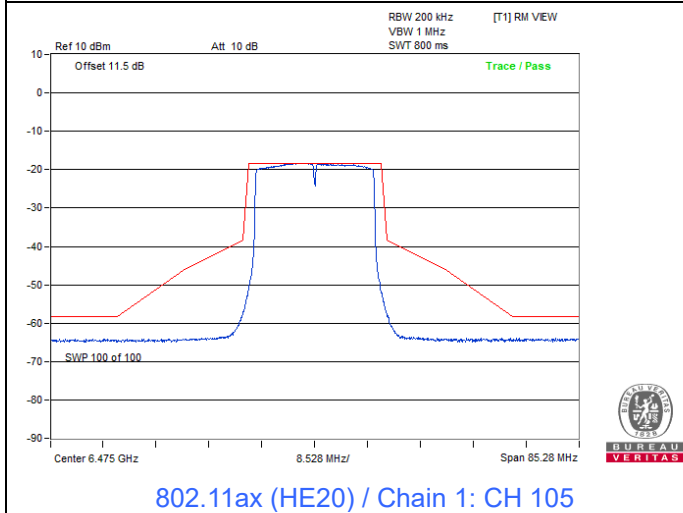
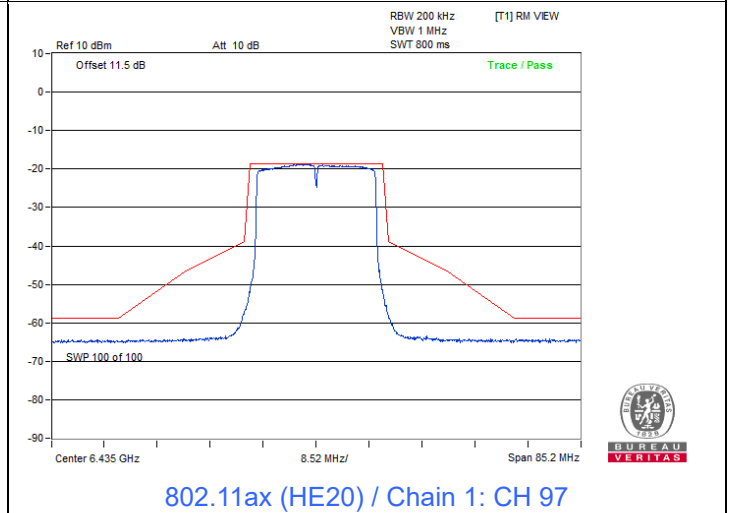
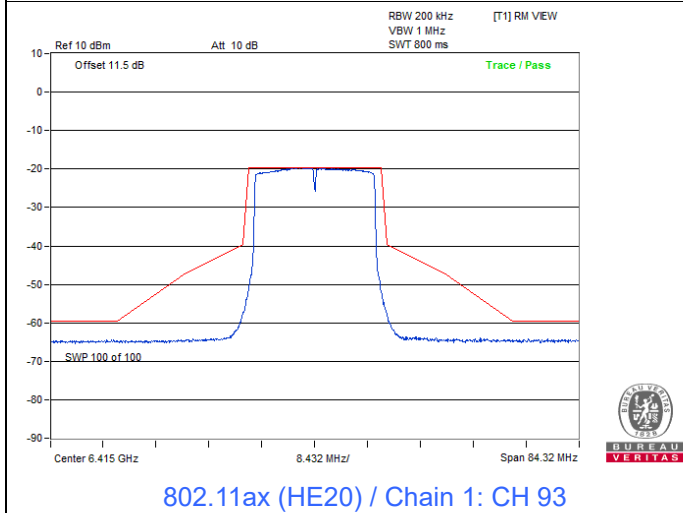
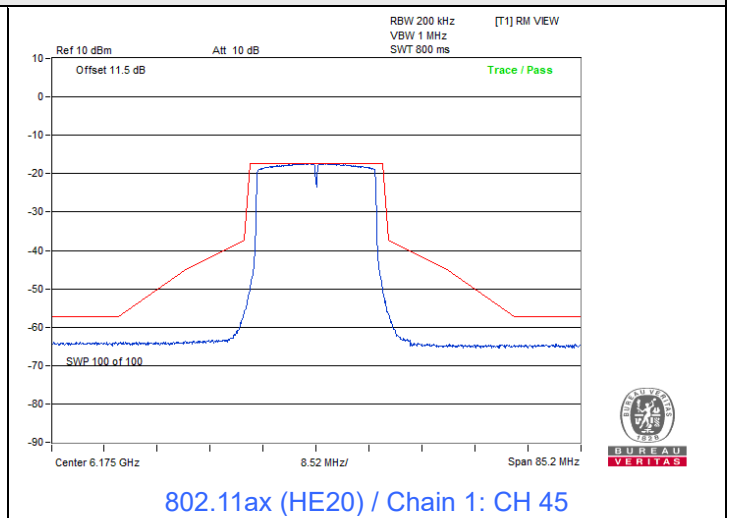
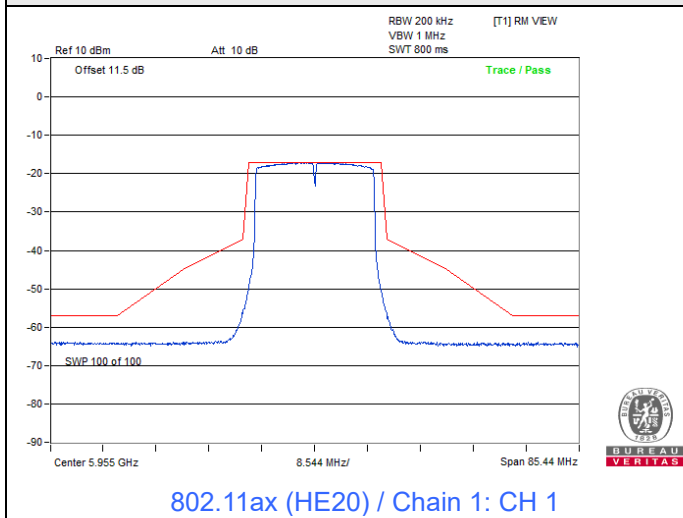
802.11ax (HE20)



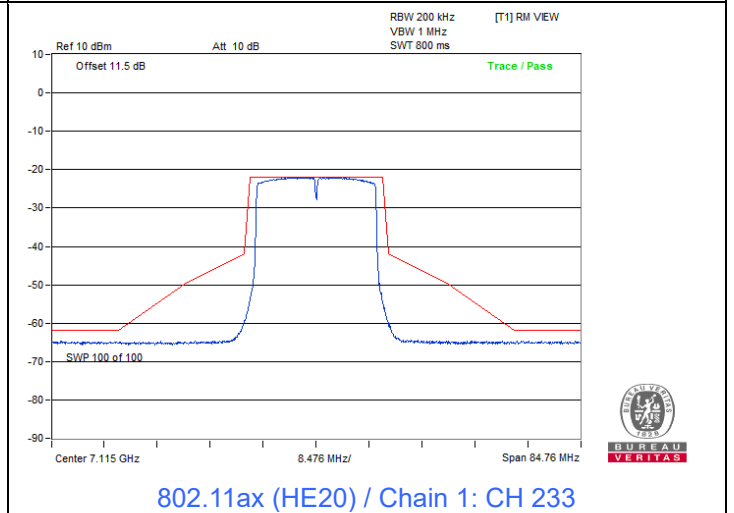
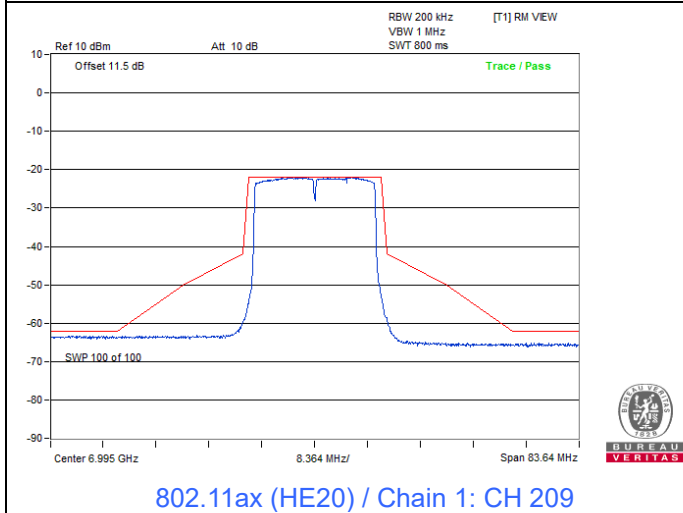
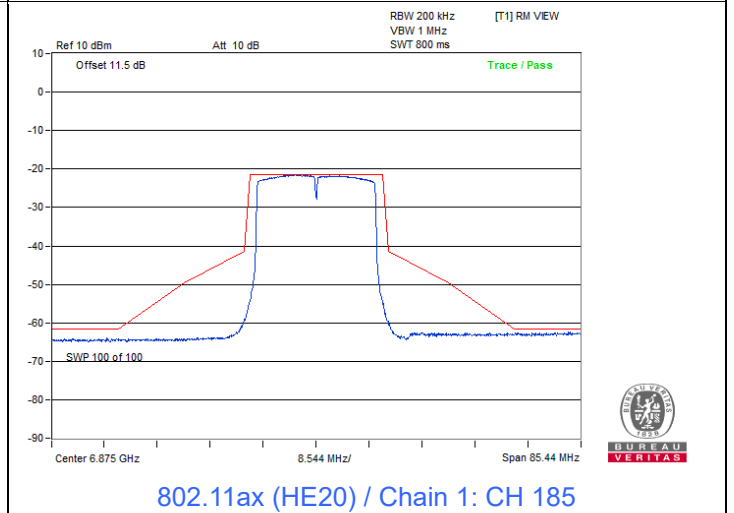
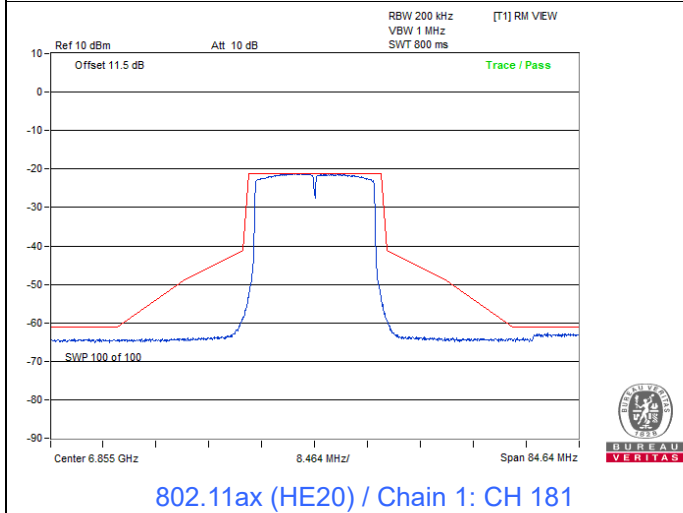
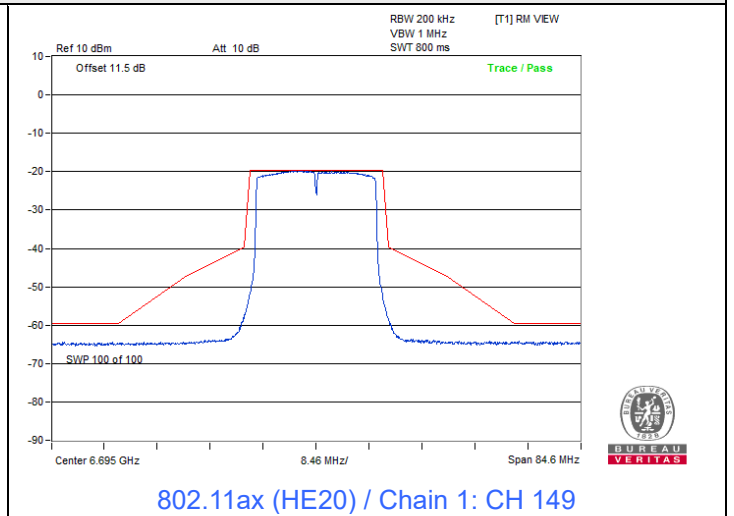
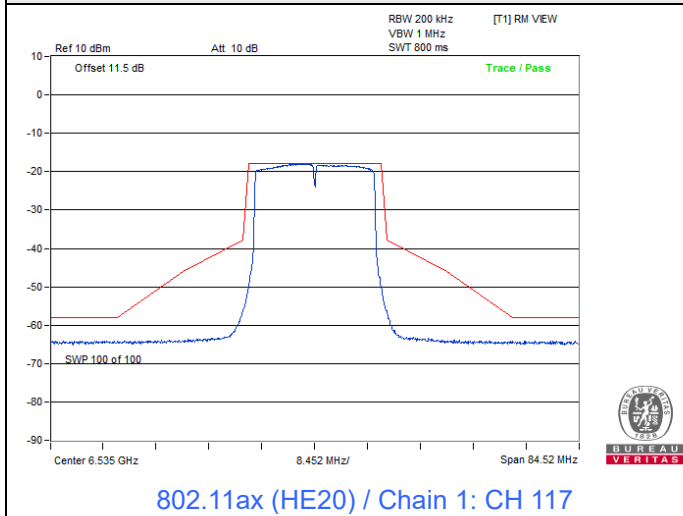
Spectrum Plot



Spectrum Plot

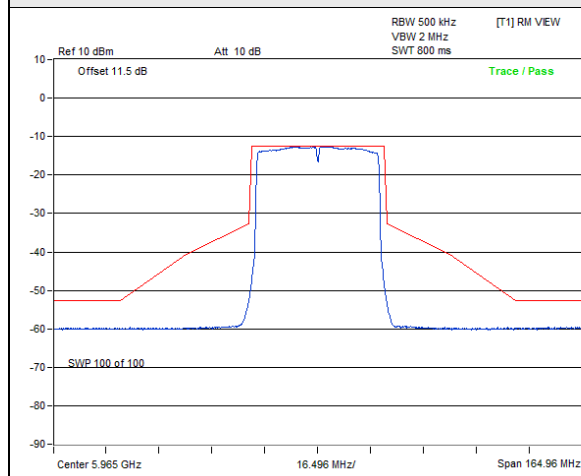


Spectrum Plot

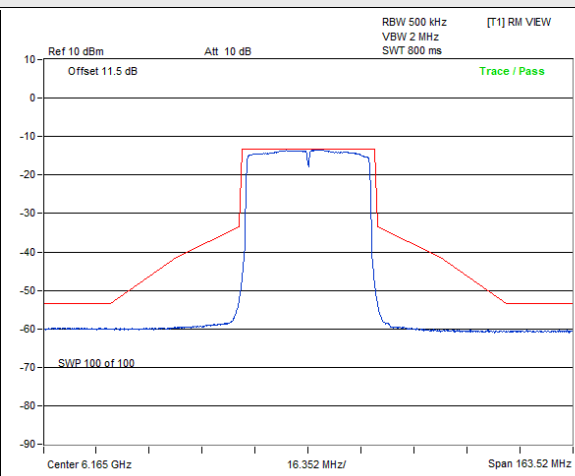


802.11ax (HE40)

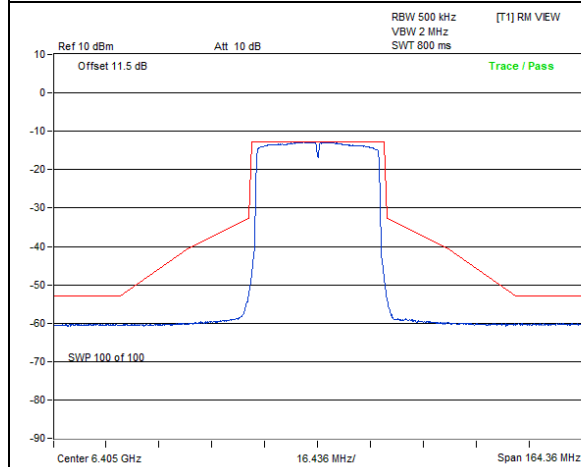
Spectrum Plot



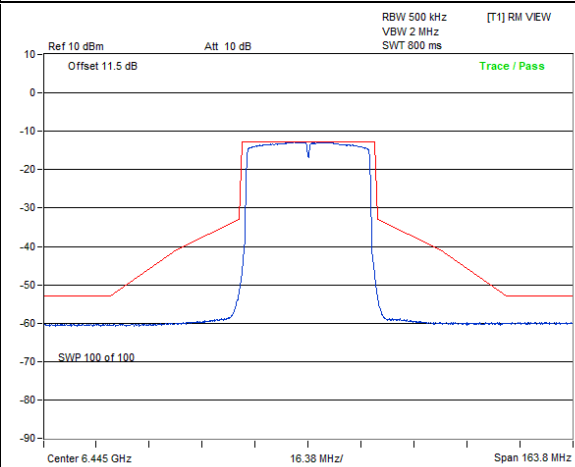
802.11ax (HE40) / Chain 0: CH 3



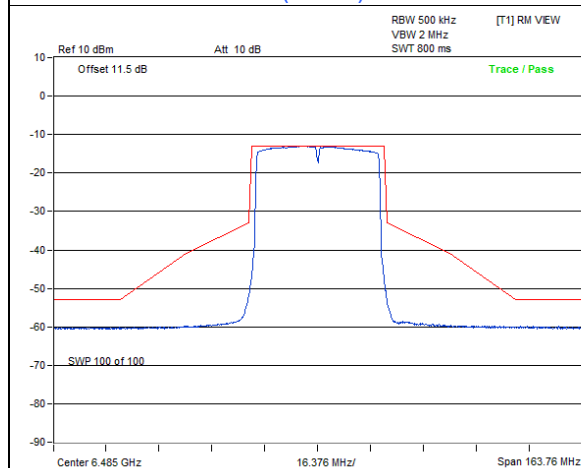
802.11ax (HE40) / Chain 0: CH 43



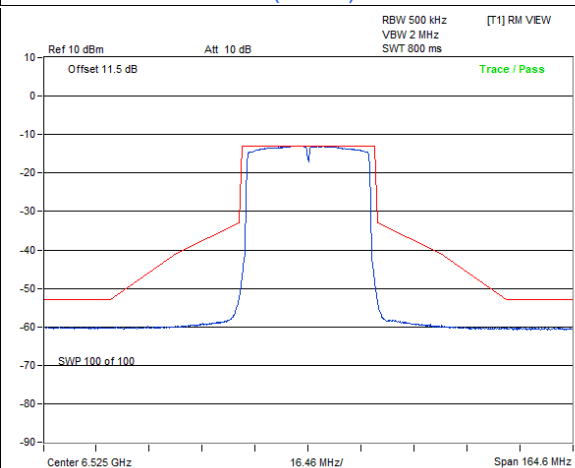
802.11ax (HE40) / Chain 0: CH 91



802.11ax (HE40) / Chain 0: CH 99

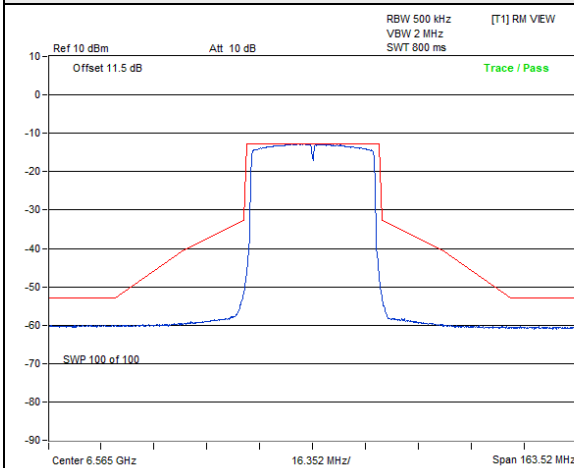


802.11ax (HE40) / Chain 0: CH 107

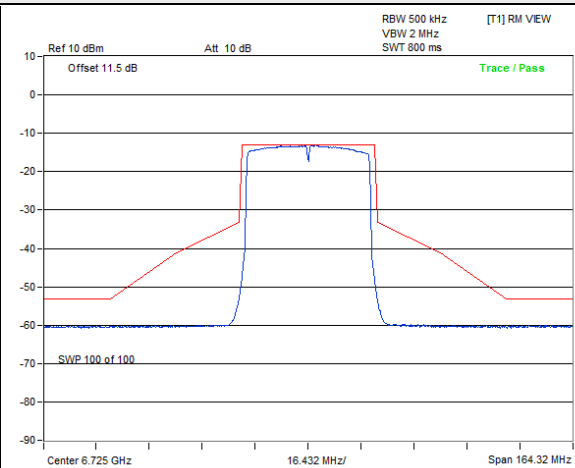


802.11ax (HE40) / Chain 0: CH 115

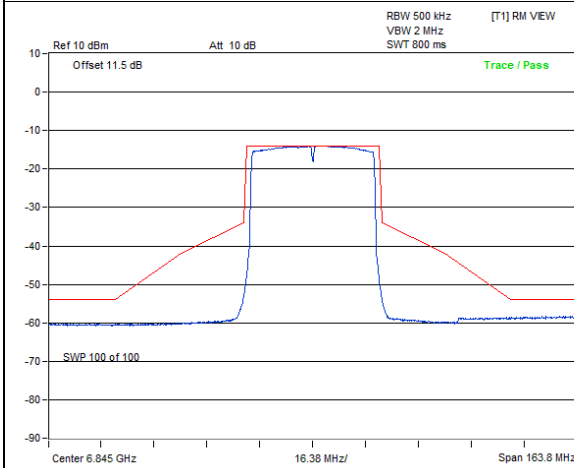
Spectrum Plot



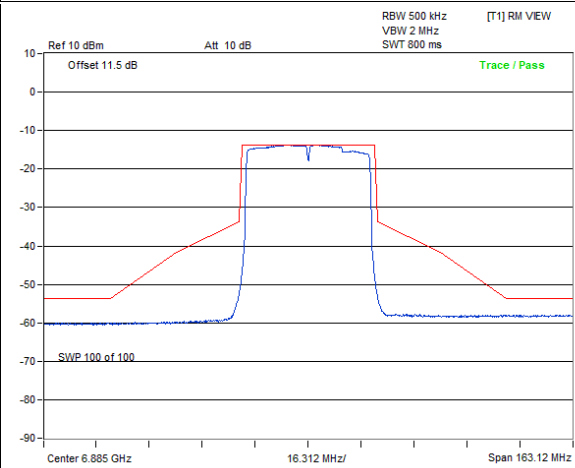
802.11ax (HE40) / Chain 0: CH 123



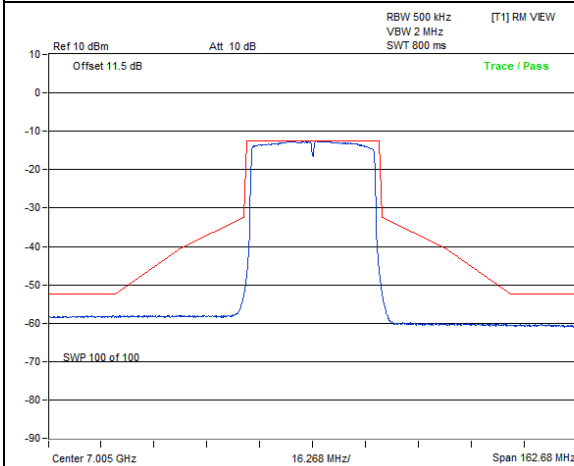
802.11ax (HE40) / Chain 0: CH 155



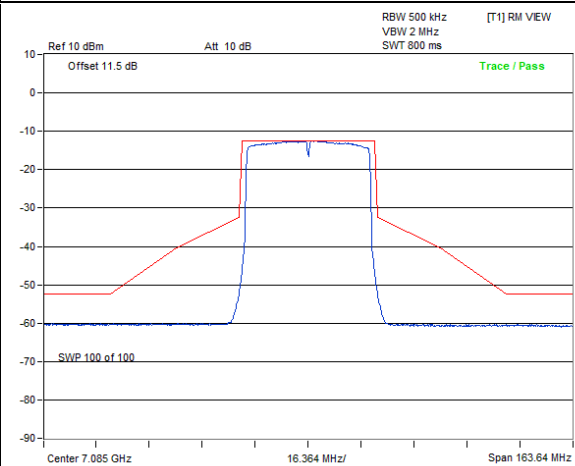
802.11ax (HE40) / Chain 0: CH 179



802.11ax (HE40) / Chain 0: CH 187

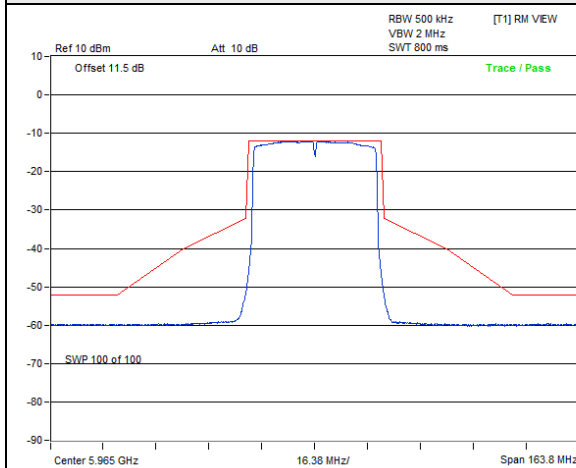


802.11ax (HE40) / Chain 0: CH 211

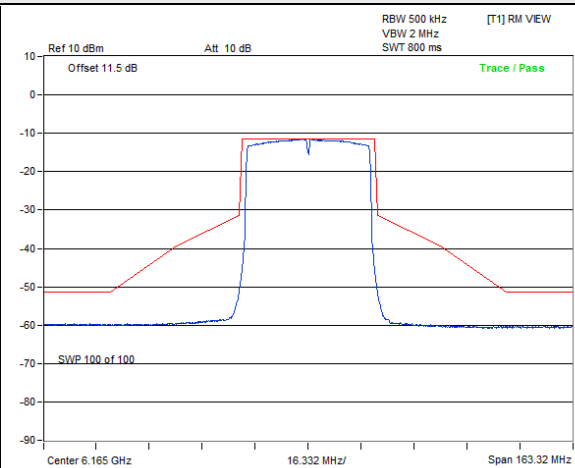


802.11ax (HE40) / Chain 0: CH 227

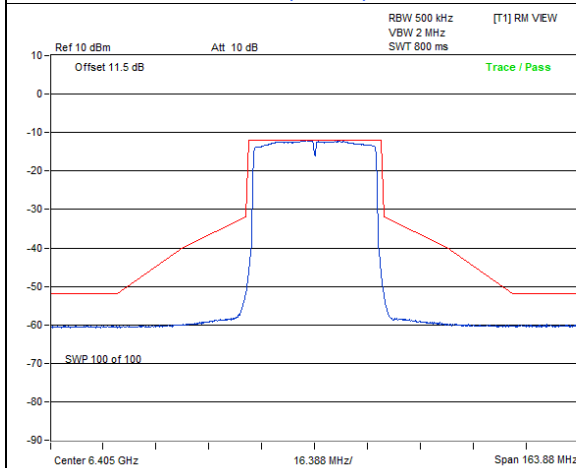
Spectrum Plot



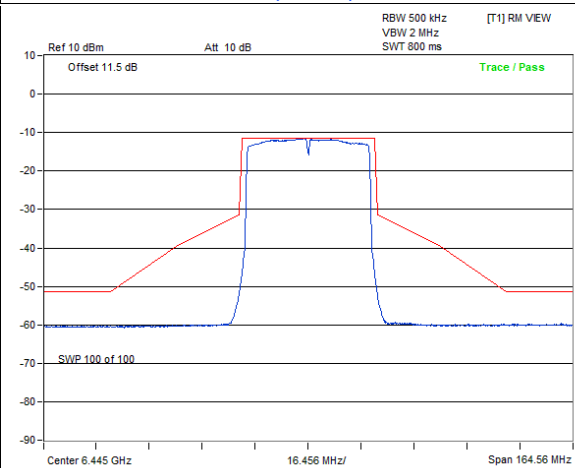
802.11ax (HE40) / Chain 1: CH 3



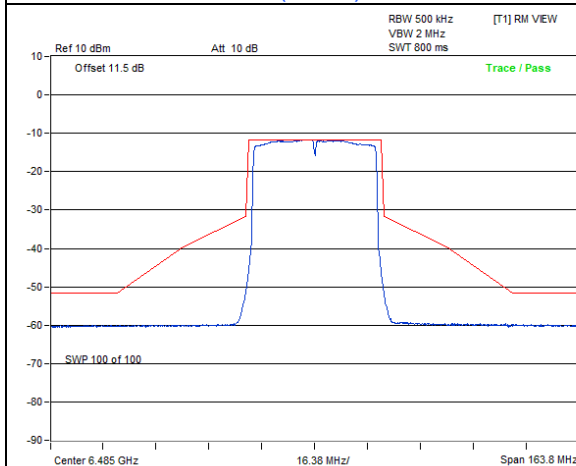
802.11ax (HE40) / Chain 1: CH 43



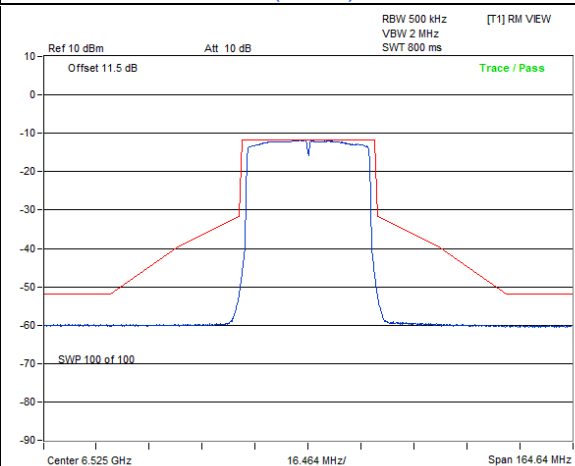
802.11ax (HE40) / Chain 1: CH 91



802.11ax (HE40) / Chain 1: CH 99

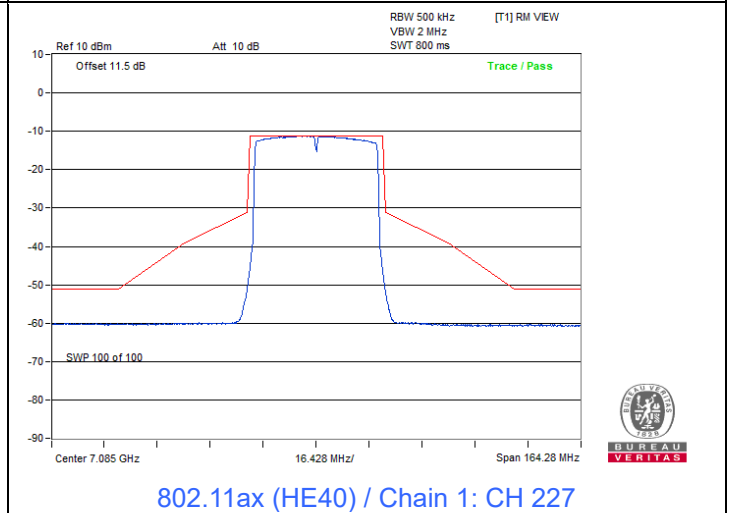
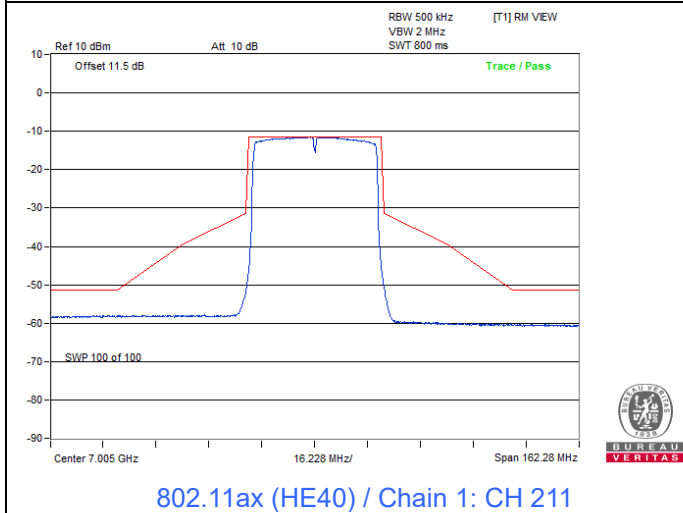
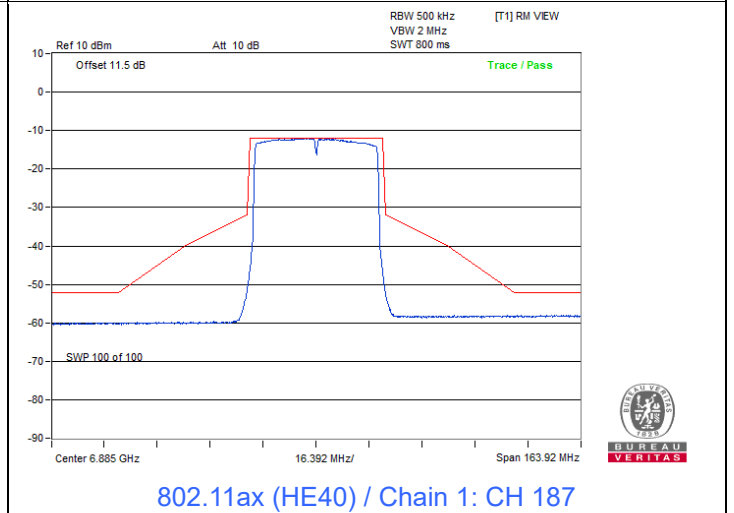
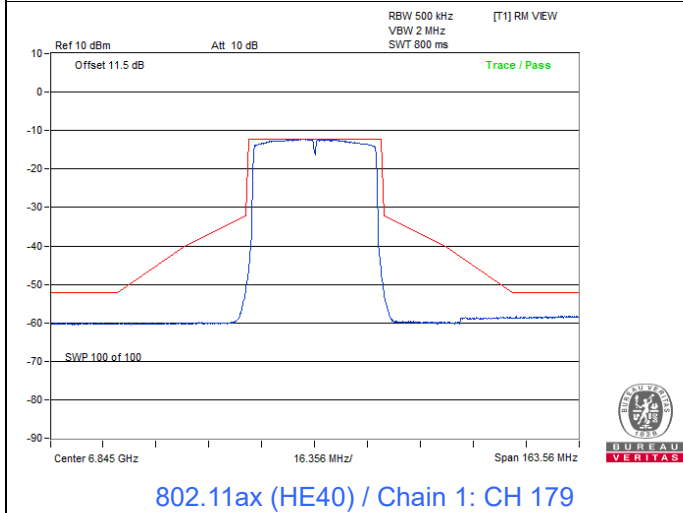
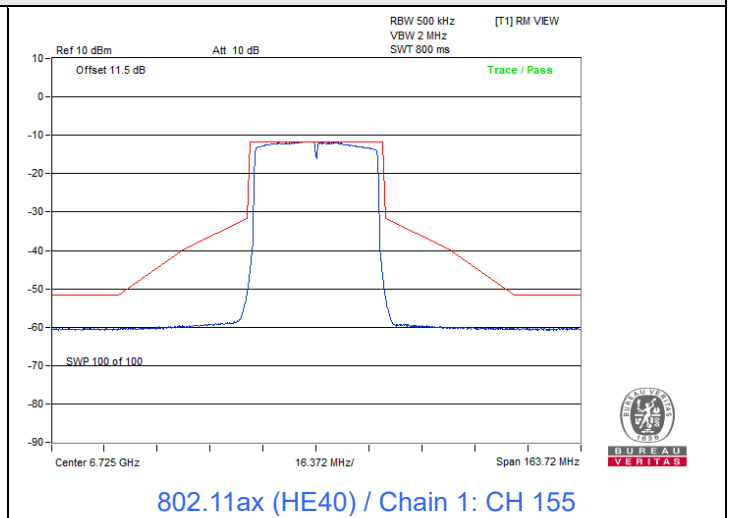
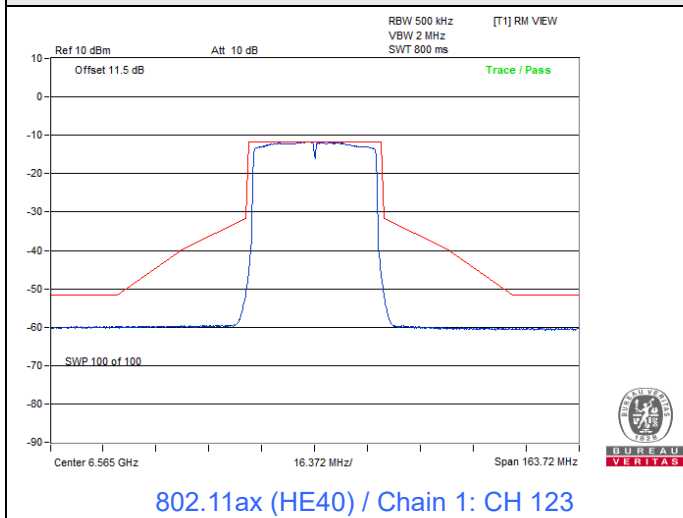


802.11ax (HE40) / Chain 1: CH 107



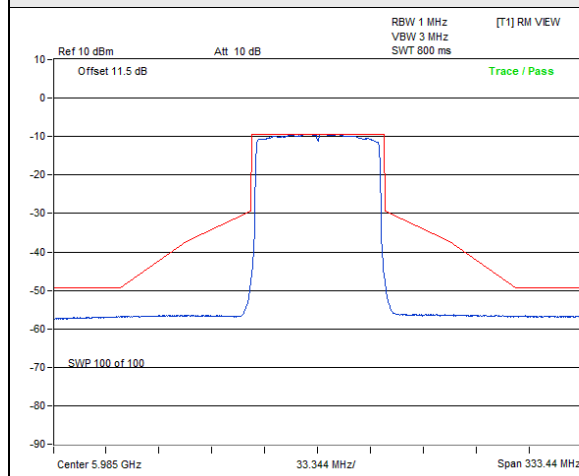
802.11ax (HE40) / Chain 1: CH 115

Spectrum Plot

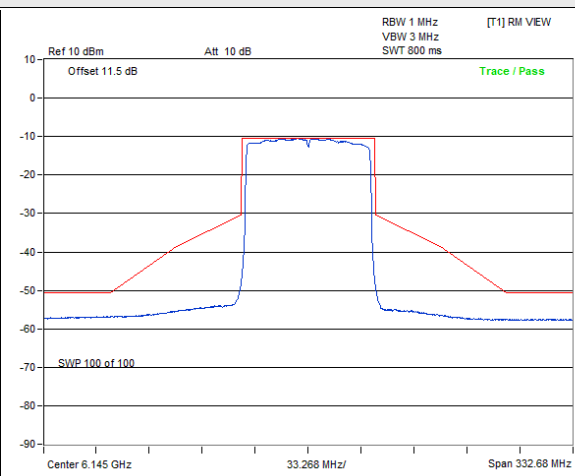


802.11ax (HE80)

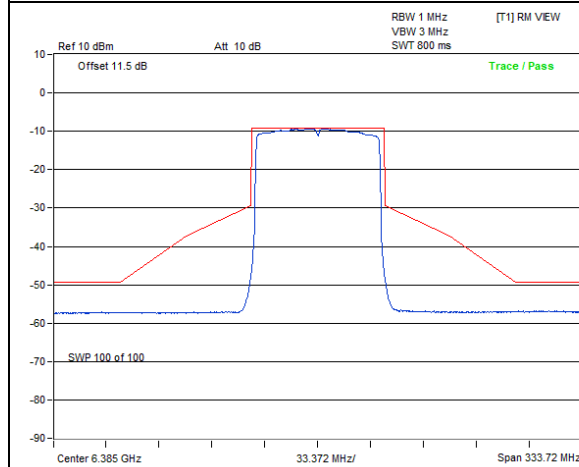
Spectrum Plot



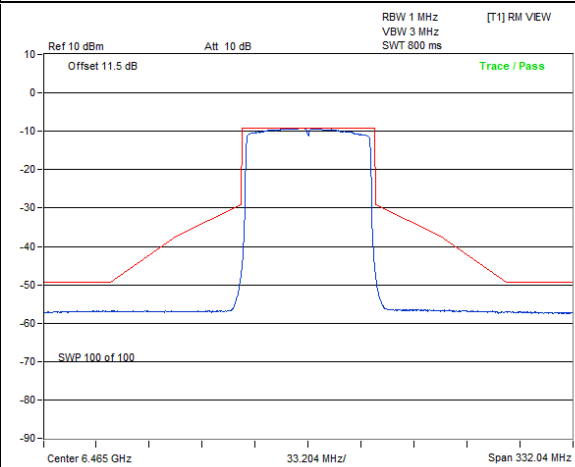
802.11ax (HE80) / Chain 0: CH 7



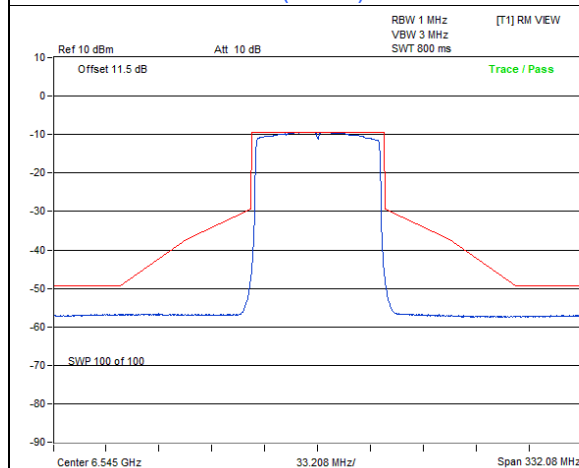
802.11ax (HE80) / Chain 0: CH 39



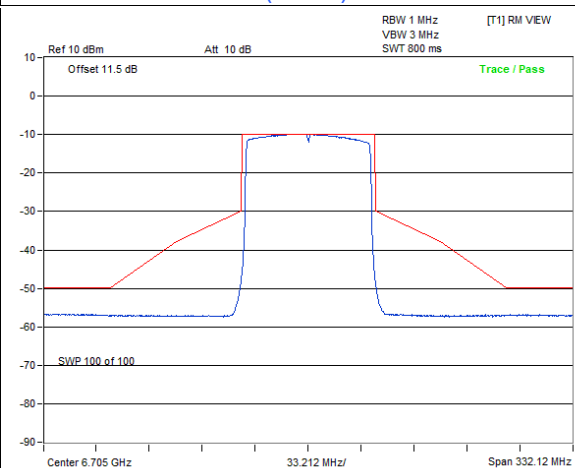
802.11ax (HE80) / Chain 0: CH 87



802.11ax (HE80) / Chain 0: CH 103

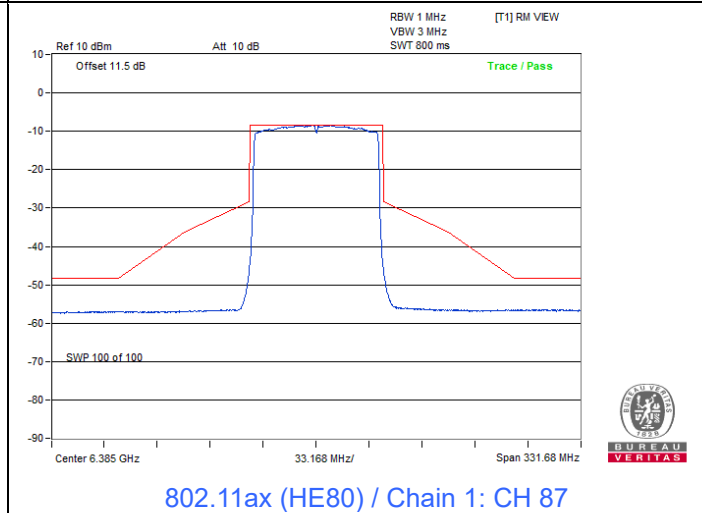
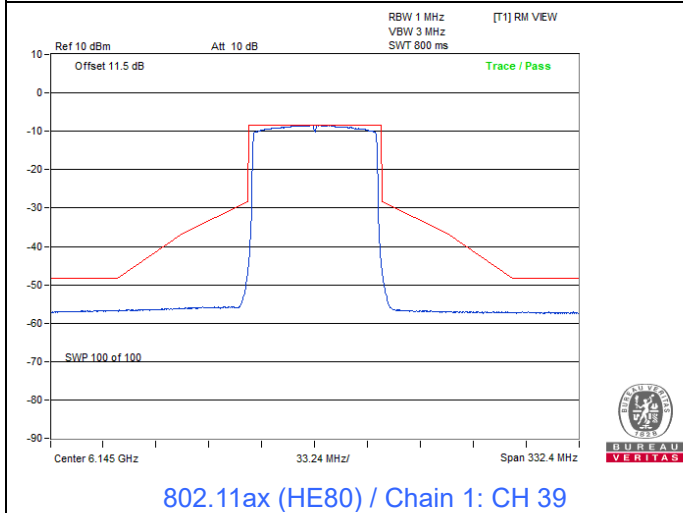
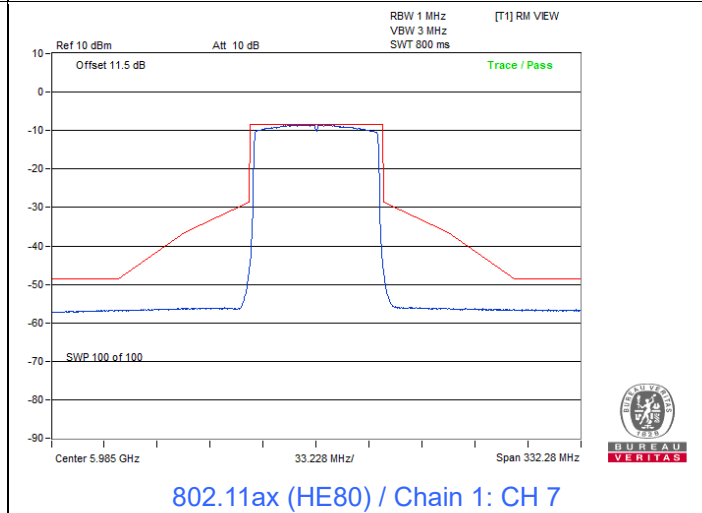
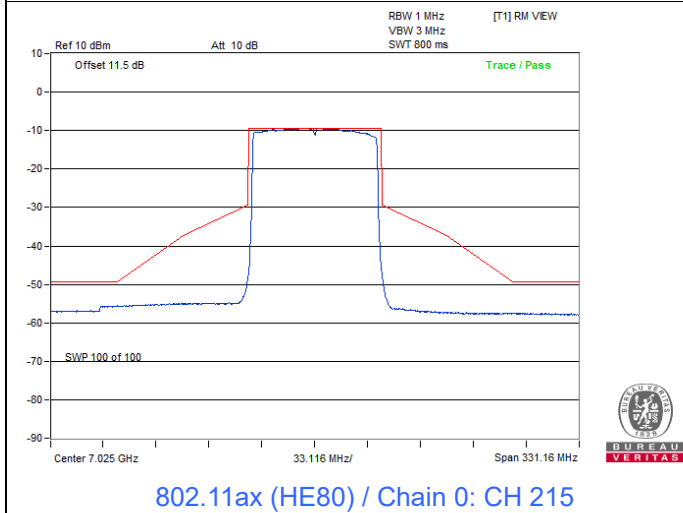
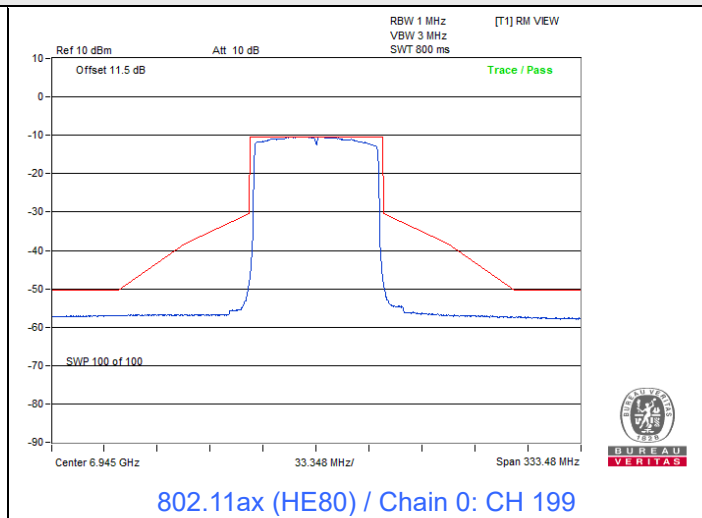
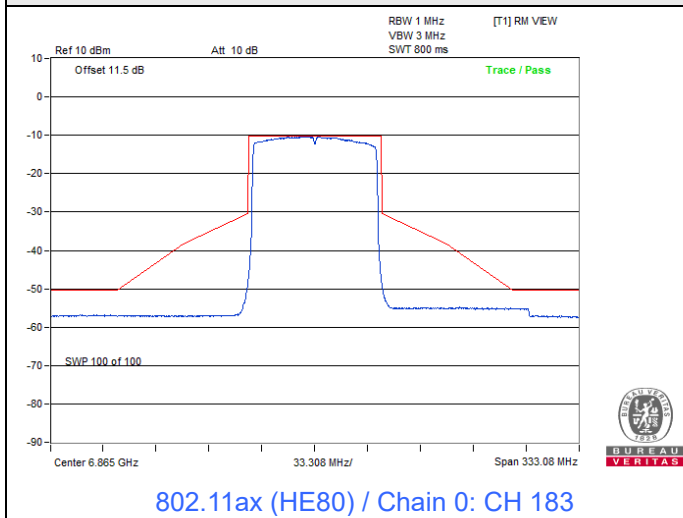


802.11ax (HE80) / Chain 0: CH 119

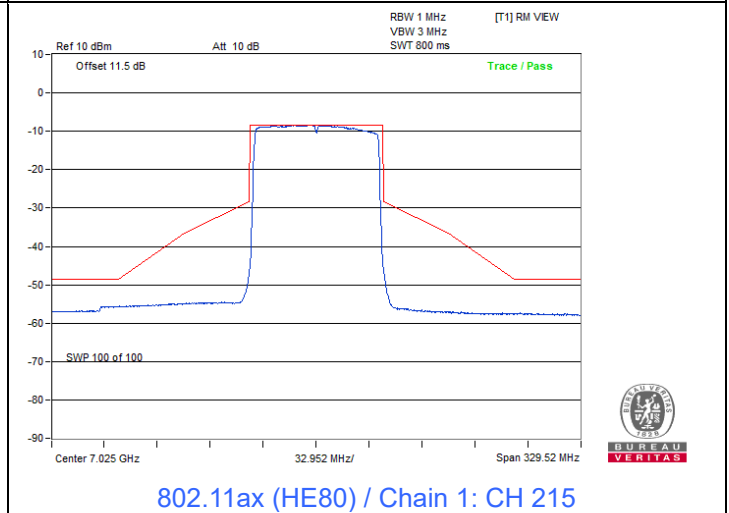
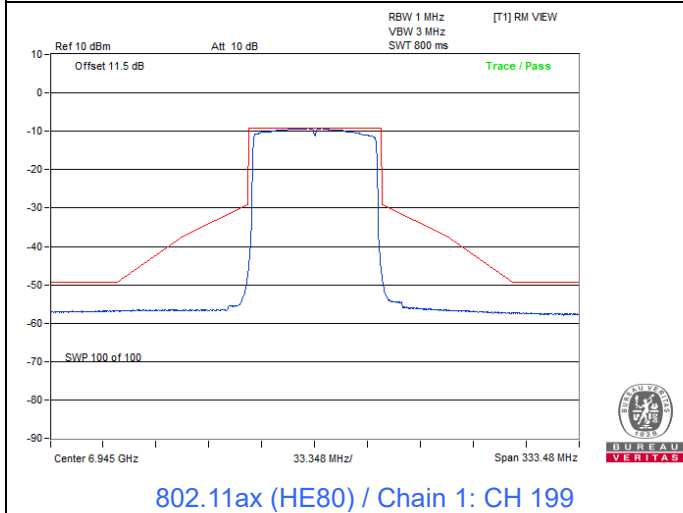
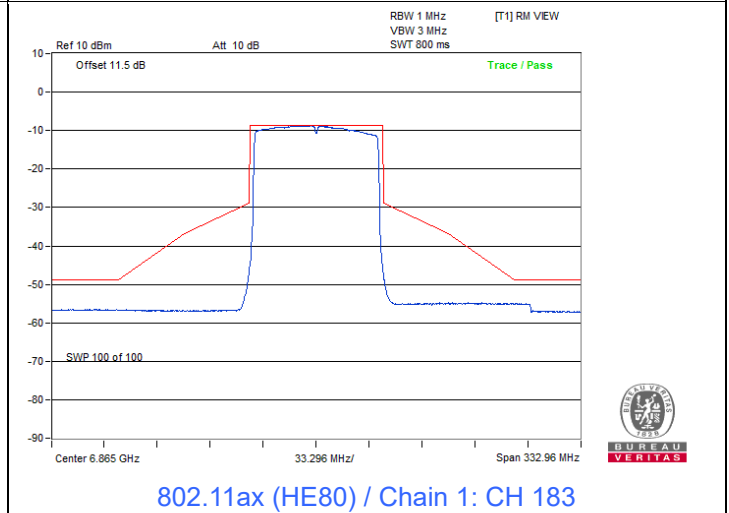
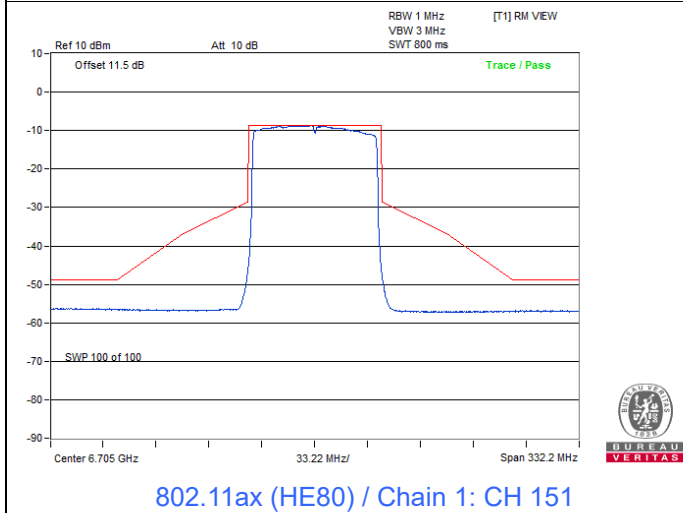
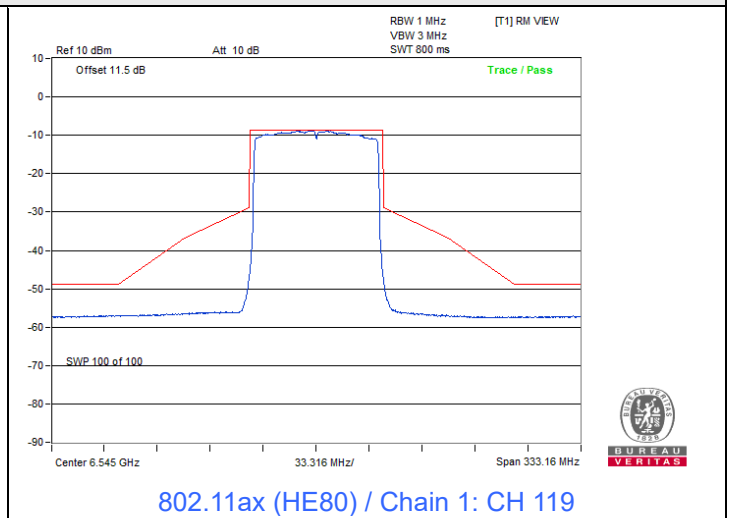
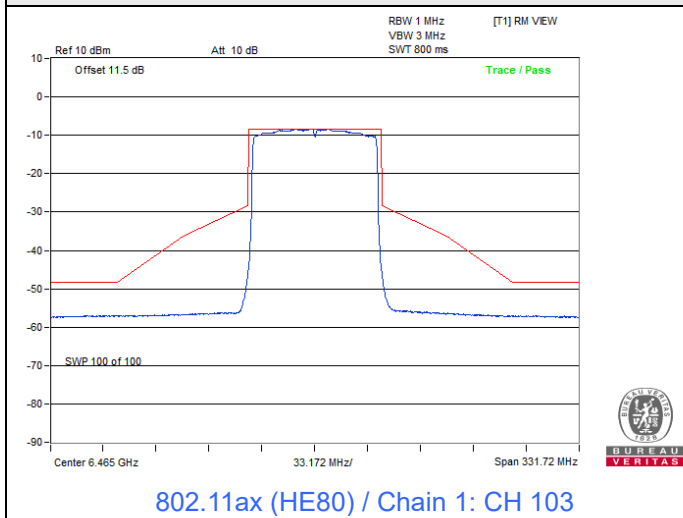


802.11ax (HE80) / Chain 0: CH 151

Spectrum Plot

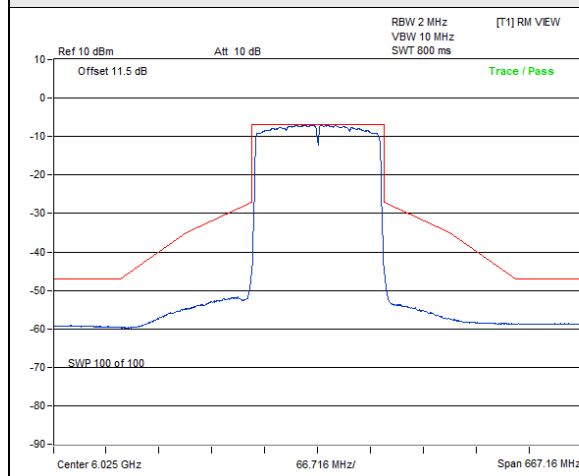


Spectrum Plot

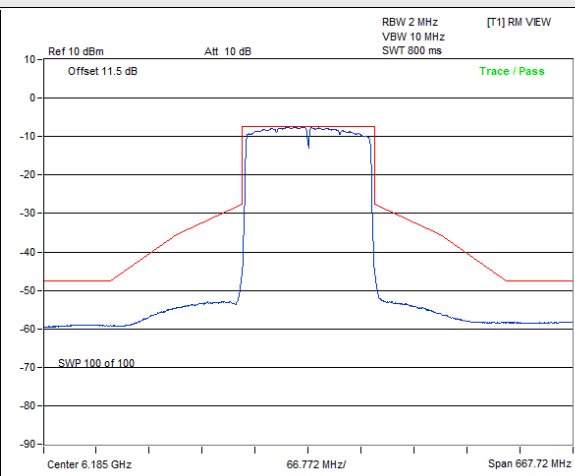


802.11ax (HE160)

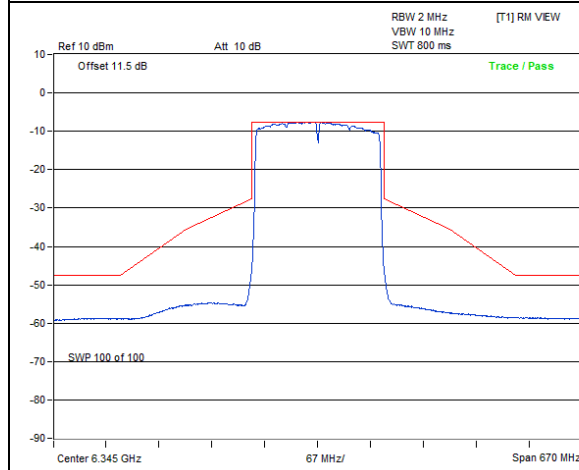
Spectrum Plot



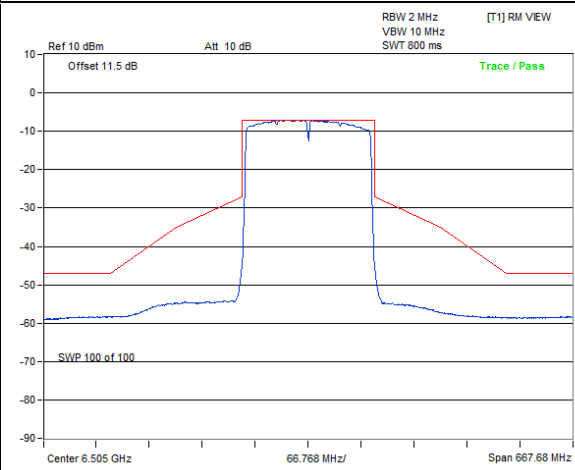
802.11ax (HE160) / Chain 0: CH 15



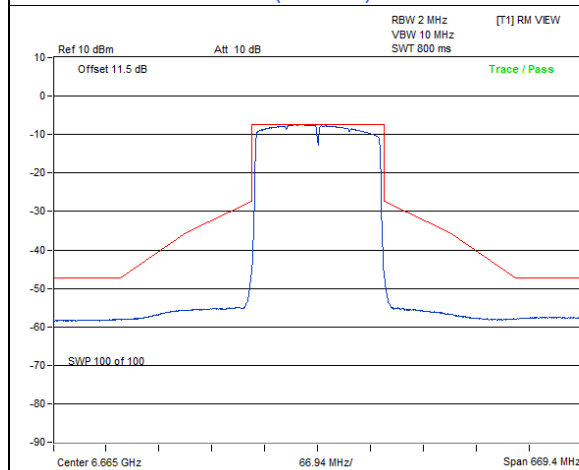
802.11ax (HE160) / Chain 0: CH 47



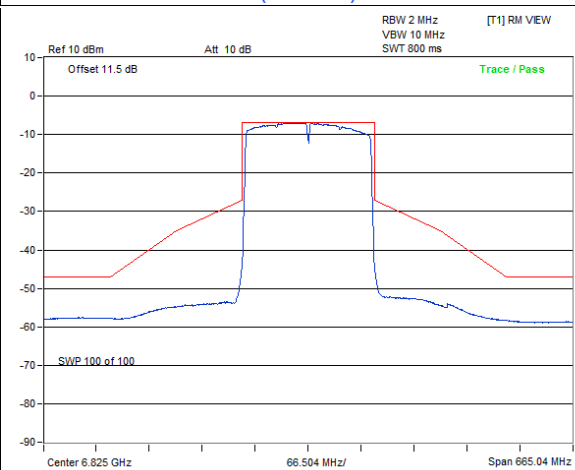
802.11ax (HE160) / Chain 0: CH 79



802.11ax (HE160) / Chain 0: CH 111

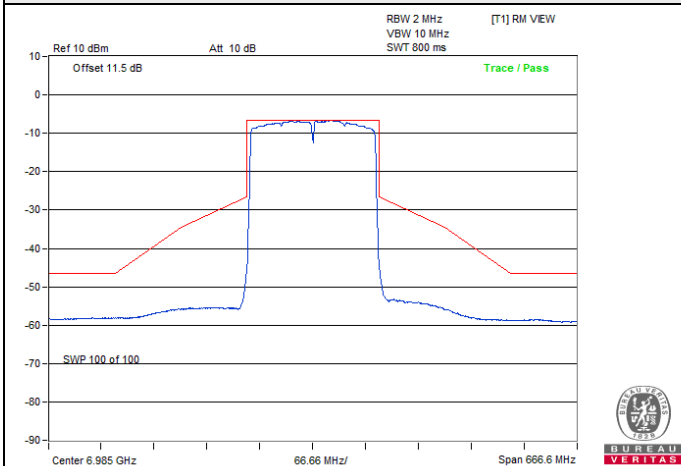


802.11ax (HE160) / Chain 0: CH 143

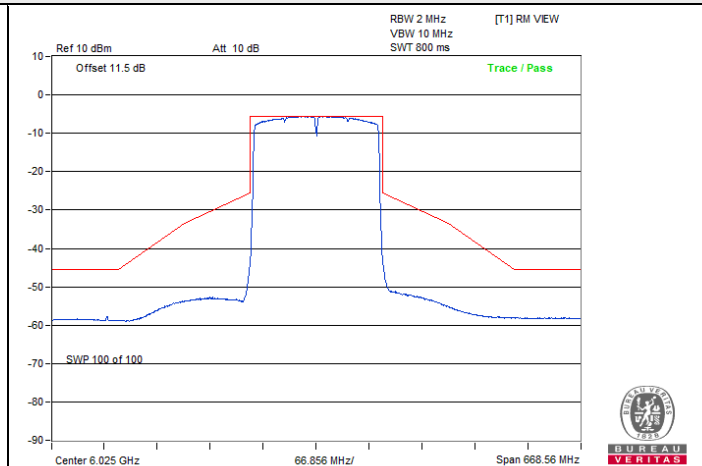


802.11ax (HE160) / Chain 0: CH 175

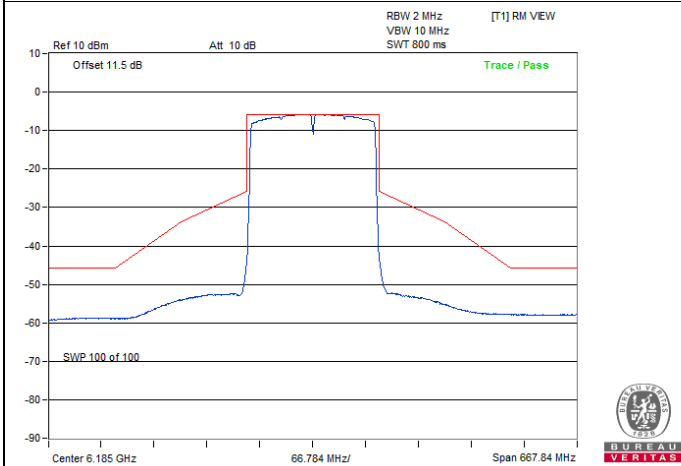
Spectrum Plot



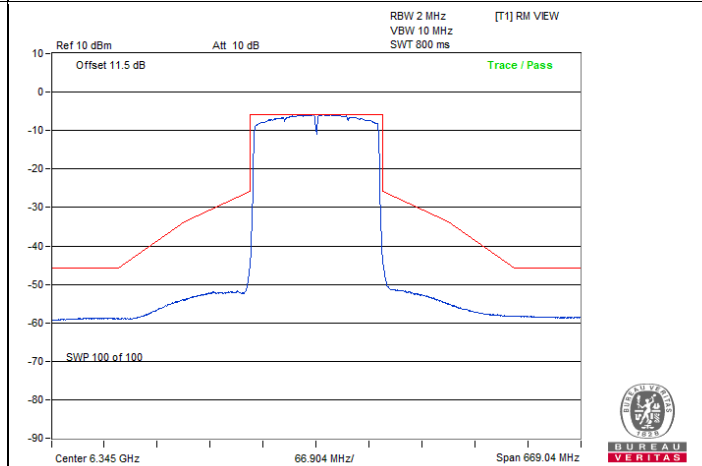
802.11ax (HE160) / Chain 0: CH 207



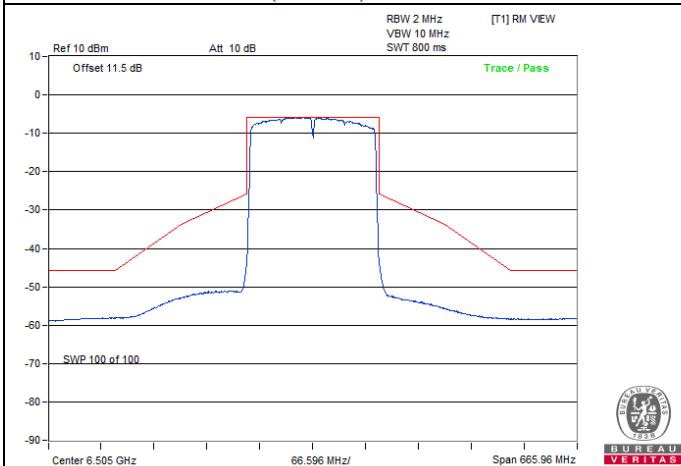
802.11ax (HE160) / Chain 1: CH 15



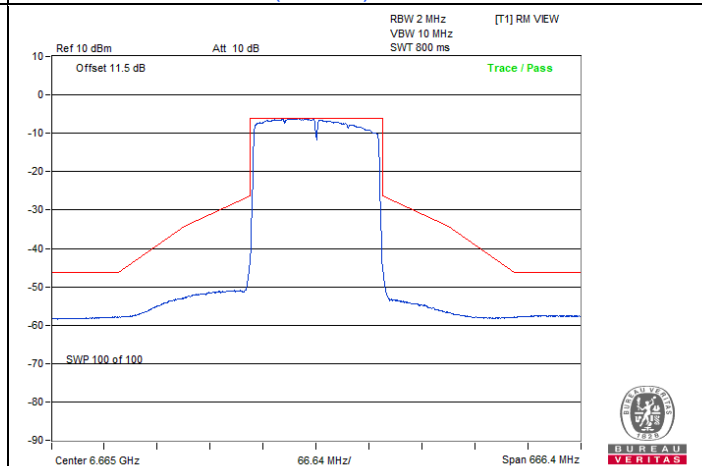
802.11ax (HE160) / Chain 1: CH 47



802.11ax (HE160) / Chain 1: CH 79

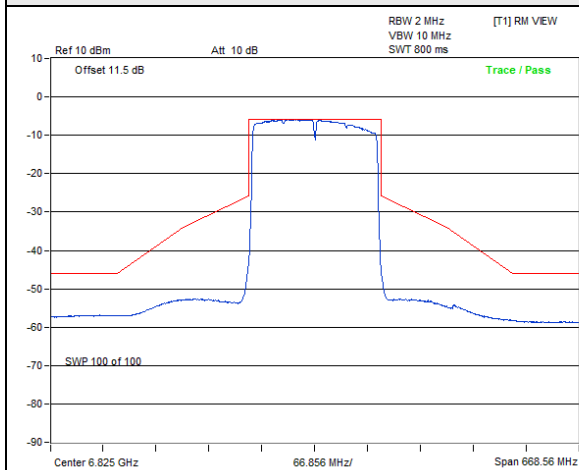


802.11ax (HE160) / Chain 1: CH 111

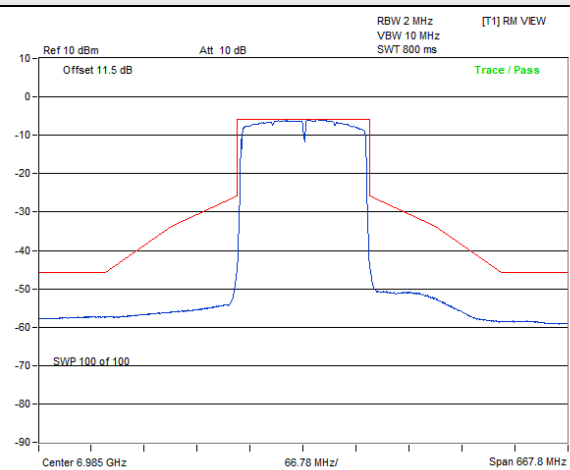


802.11ax (HE160) / Chain 1: CH 143

Spectrum Plot



802.11ax (HE160) / Chain 1: CH 175



802.11ax (HE160) / Chain 1: CH 207



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
1	5955	16.44	16.44
45	6175	16.44	16.44
93	6415	16.44	16.44
97	6435	16.44	16.44
105	6475	16.44	16.44
113	6515	16.44	16.44
117	6535	16.44	16.44
149	6695	16.44	16.44
181	6855	16.44	16.44
185	6875	16.44	16.44
209	6995	16.56	16.56
233	7115	16.44	16.44

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	19.08	19.08
45	6175	19.08	18.96
93	6415	18.96	19.08
97	6435	18.96	18.96
105	6475	19.08	19.08
113	6515	18.96	19.08
117	6535	19.08	18.96
149	6695	19.08	18.96
181	6855	19.08	18.96
185	6875	18.84	18.96
209	6995	19.08	18.96
233	7115	19.08	18.96

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	38.16	38.16
43	6165	37.92	37.92
91	6405	38.16	37.92
99	6445	38.16	38.16
107	6485	38.16	37.92
115	6525	38.16	37.92
123	6565	37.92	38.16
155	6725	37.92	37.92
179	6845	37.68	38.16
187	6885	38.16	38.16
211	7005	37.92	37.92
227	7085	37.92	37.68

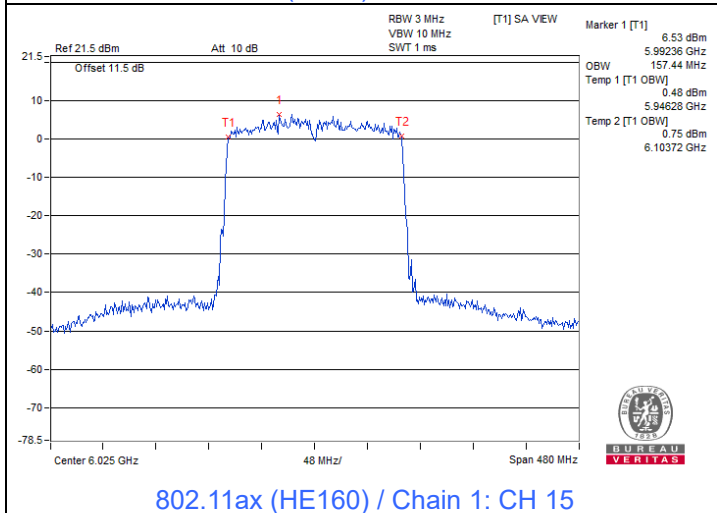
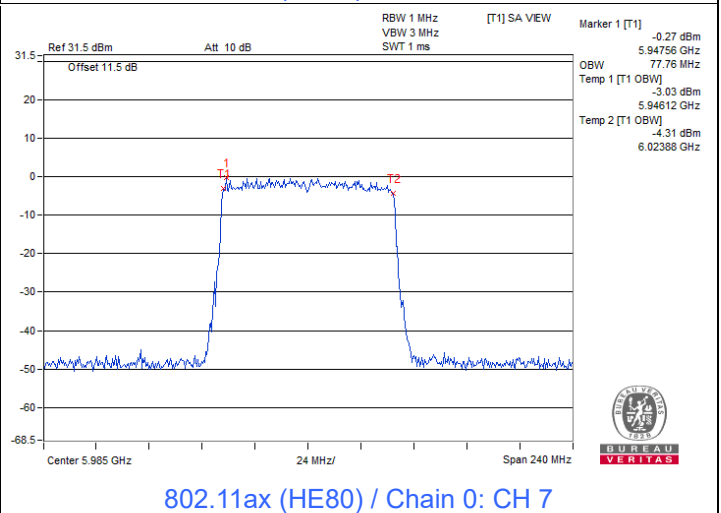
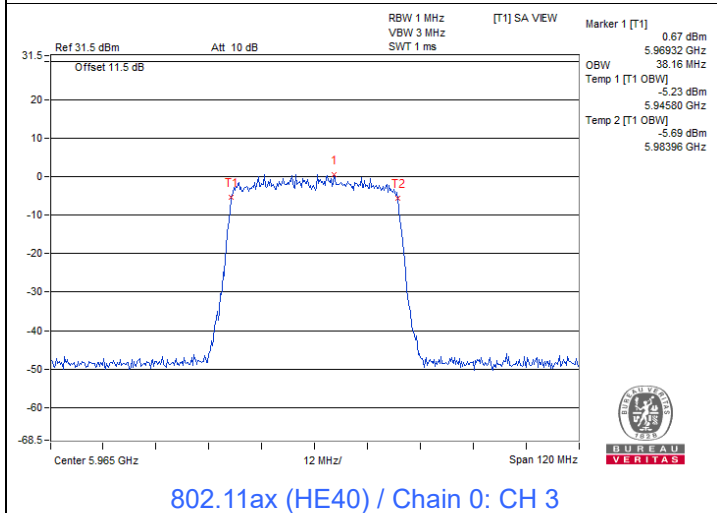
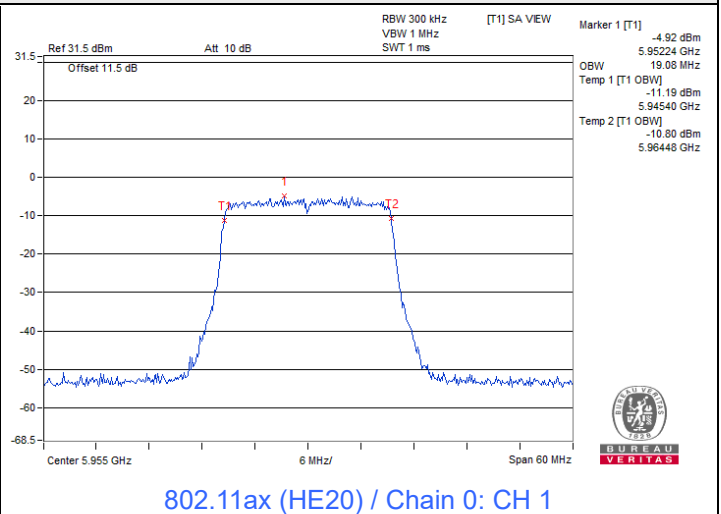
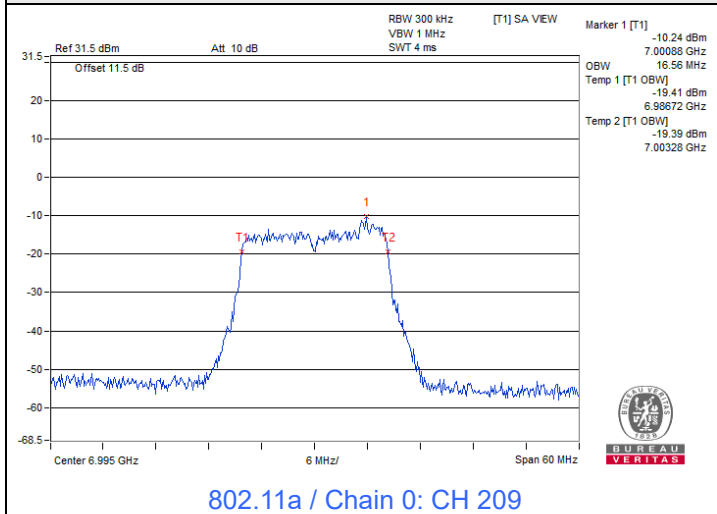
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.76	77.28
39	6145	77.28	77.28
87	6385	77.28	77.76
103	6465	77.28	77.28
119	6545	77.28	77.28
151	6705	77.28	77.28
183	6865	77.76	77.28
199	6945	77.28	77.28
215	7025	76.80	77.28

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	156.48	157.44
47	6185	156.48	156.48
79	6345	156.48	156.48
111	6505	156.48	156.48
143	6665	156.48	156.48
175	6825	156.48	156.48
207	6985	156.48	156.48

Spectrum Plot of Maximum Value



7.6 Contention-based Protocol

Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Cheng
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Companion Device Information			
Product	Brand	Model No.	Software/Firmware Version
802.11be AP Router	MEDIATEK	MT7977	3.0.0.6.102_55168

For U-NII-5

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	45	6175	6175	-74.56	3.29	0	-77.85	-62	OFF
					-75.06	3.29	0	-78.35	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
	160	47	6185	6110	-78.09	3.29	0	-81.38	-62	OFF
					-78.59	3.29	0	-81.88	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				6185	-75.05	3.29	0	-78.34	-62	OFF
					-75.55	3.29	0	-78.84	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				6260	-78.03	3.29	0	-81.32	-62	OFF
					-78.53	3.29	0	-81.82	-62	Minimal
					-78.71	3.29	0	-82	-62	ON

Notes:

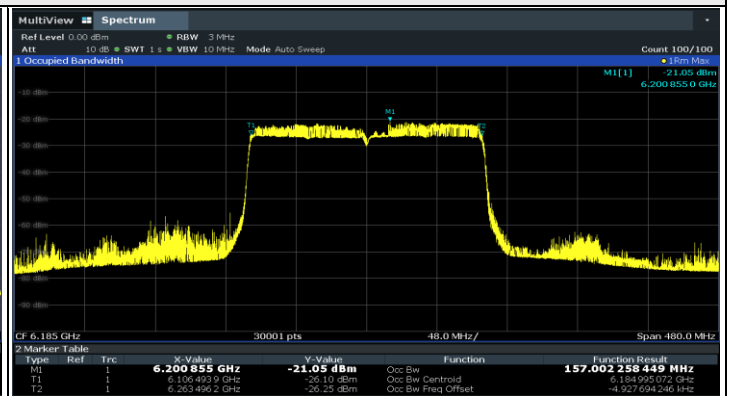
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. This device does not use the channel puncturing and bandwidth reduction mechanisms for incumbent avoidance, but instead switches to other channels to perform its function.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6175	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6110	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6185	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6260	v	v	v	v	v	x	v	v	v	v	90%	90%	Pass

Plots of EUT Tx waveform

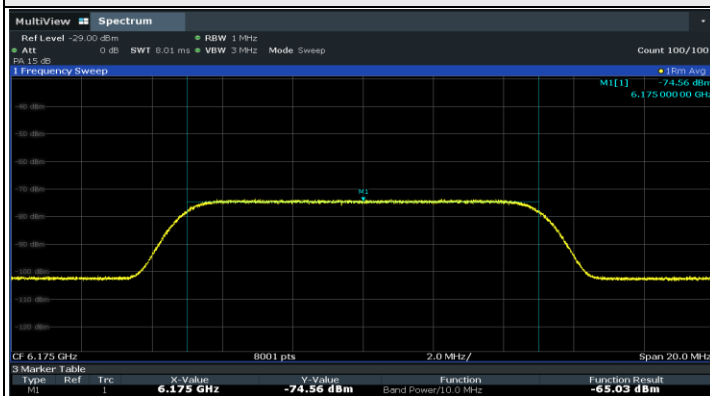


802.11ax (HE20) / CH45

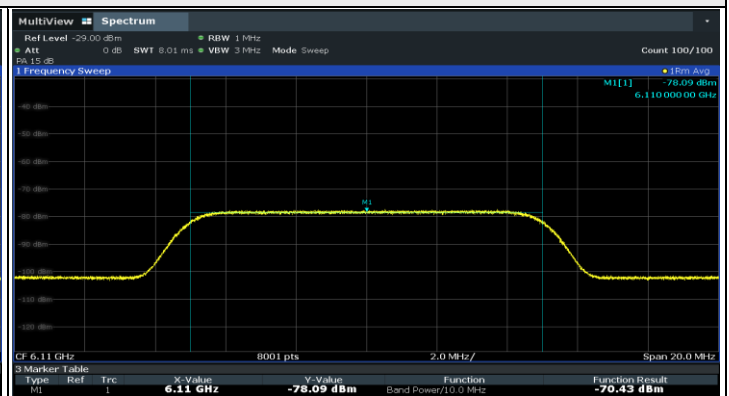


802.11ax (HE160) / CH47

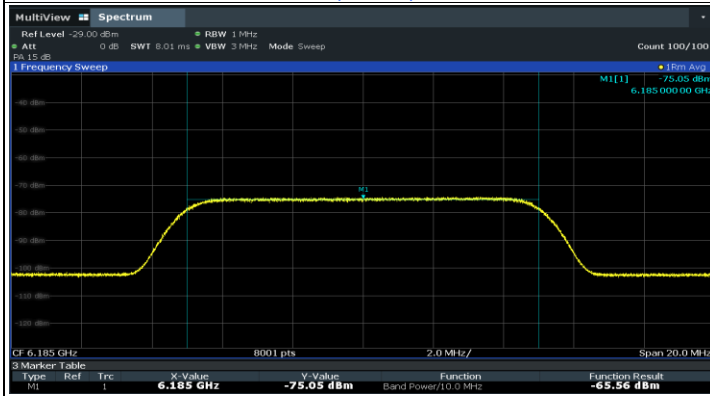
Plots of Injected signal (AWGN) level



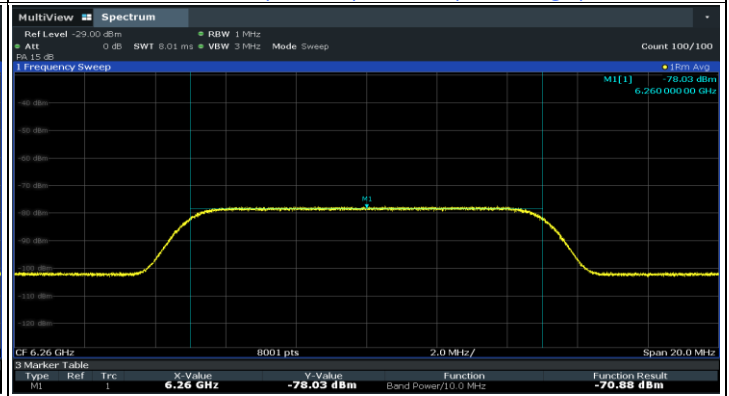
802.11ax (HE20) / CH45



802.11ax (HE160) / CH47(Low Edge)

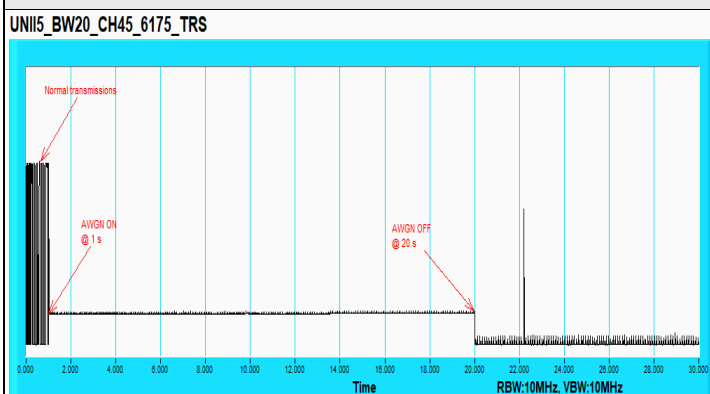


802.11ax (HE160) / CH47(Middle)

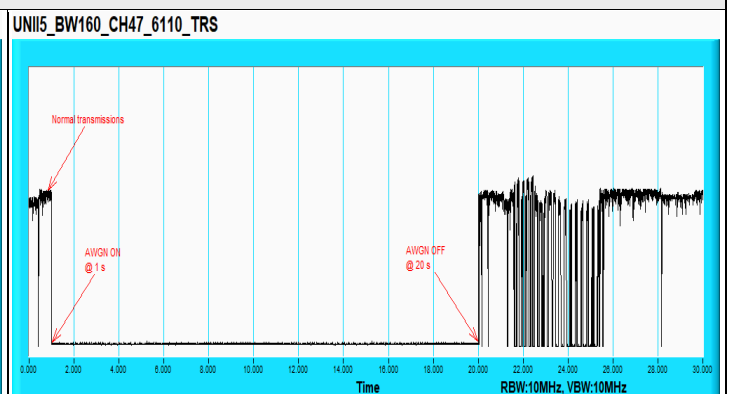


802.11ax (HE160) / CH47(High Edge)

Plots of EUT ceased transmission in the time domain



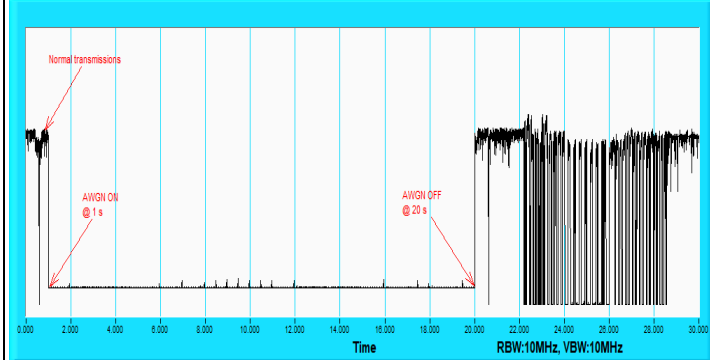
802.11ax (HE20) / CH45



802.11ax (HE160) / CH47(Low Edge)

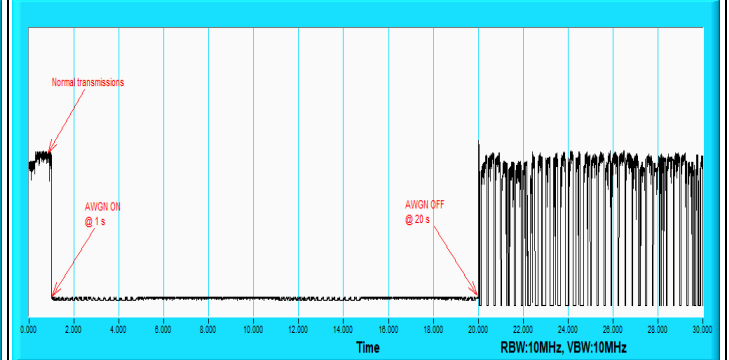
Plots of EUT ceased transmission in the time domain

UNII5_BW160_CH47_6185_TRS



802.11ax (HE160) / CH47(Middle)

UNII5_BW160_CH47_6260_TRS



802.11ax (HE160) / CH47(High Edge)

For U-NII-6

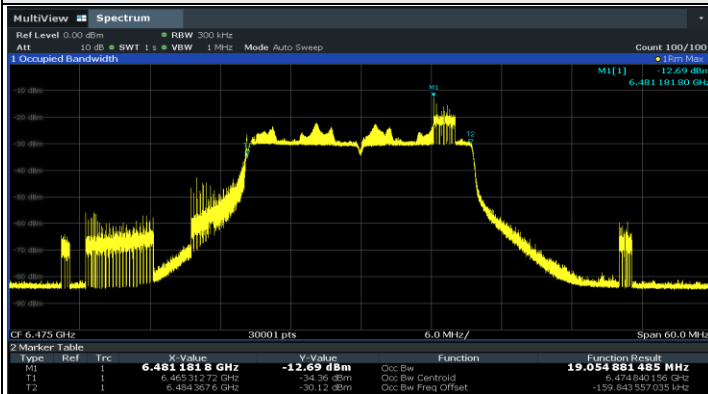
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	105	6475	6475	-74.19	3.29	0	-77.48	-62	OFF
					-74.69	3.29	0	-77.98	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
	160	111	6505	6430	-78.07	3.29	0	-81.36	-62	OFF
					-78.57	3.29	0	-81.86	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				6505	-78.08	3.29	0	-81.37	-62	OFF
					-78.58	3.29	0	-81.87	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				6580	-77.89	3.29	0	-81.18	-62	OFF
					-78.39	3.29	0	-81.68	-62	Minimal
					-78.71	3.29	0	-82	-62	ON

Notes:

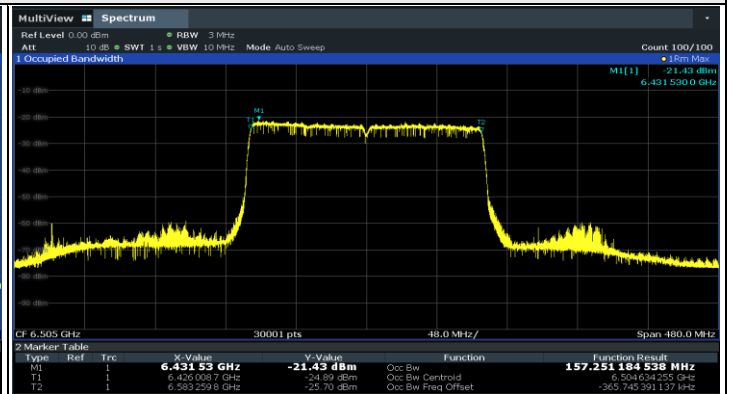
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. This device does not use the channel puncturing and bandwidth reduction mechanisms for incumbent avoidance, but instead switches to other channels to perform its function.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6475	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6430	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6505	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6580	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

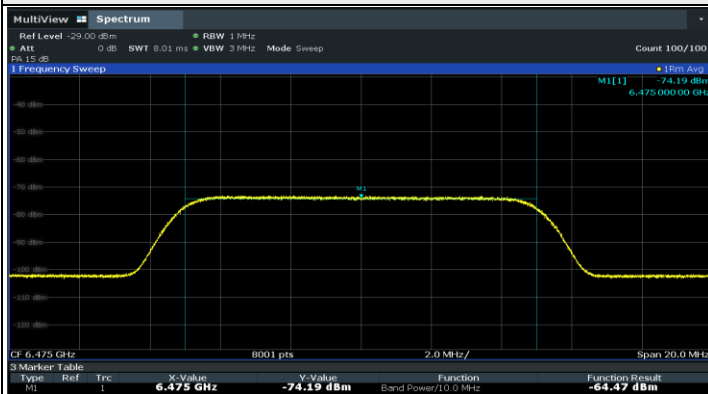


802.11ax (HE20) / CH105

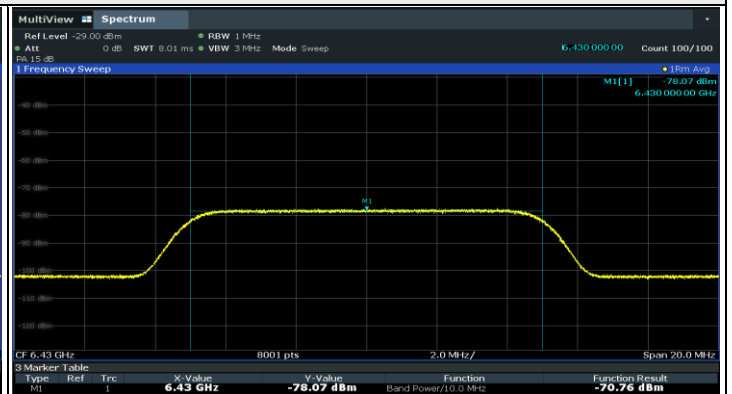


802.11ax (HE160) / CH111

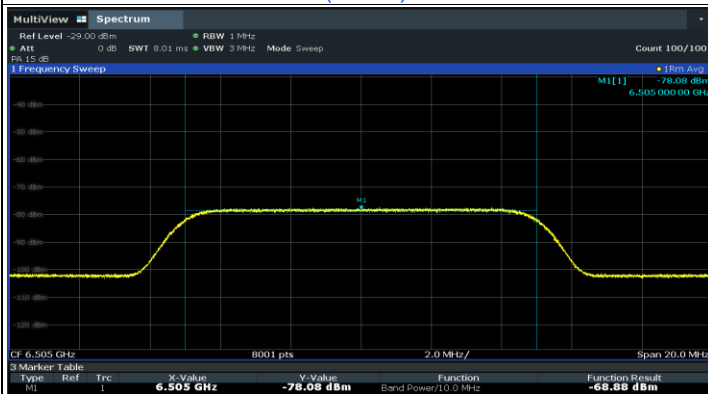
Plots of Injected signal (AWGN) level



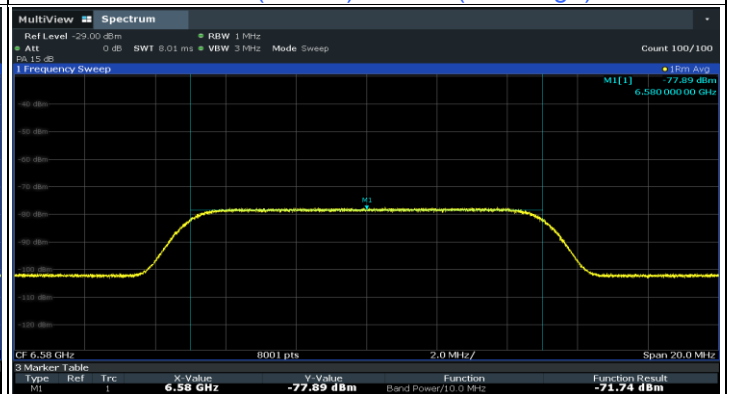
802.11ax (HE20) / CH105



802.11ax (HE160) / CH111(Low Edge)



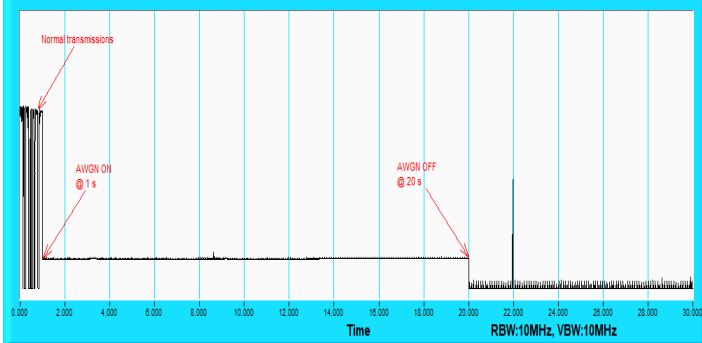
802.11ax (HE160) / CH111(Middle)



802.11ax (HE160) / CH111(High Edge)

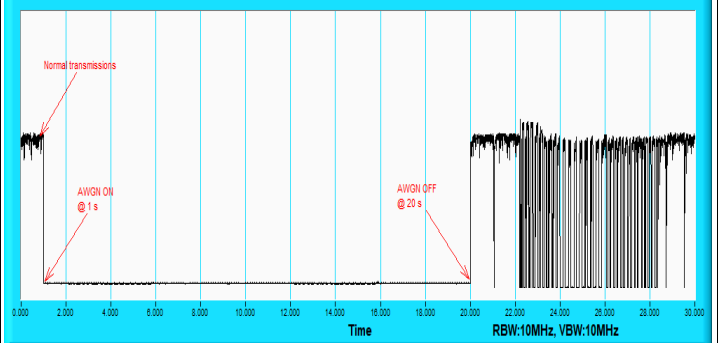
Plots of EUT ceased transmission in the time domain

UNII6_BW20_CH105_6475_TRS



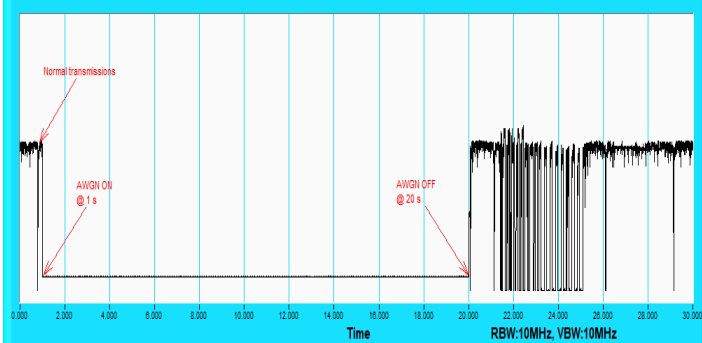
802.11ax (HE20) / CH105

UNII6_BW160_CH111_6430_TRS



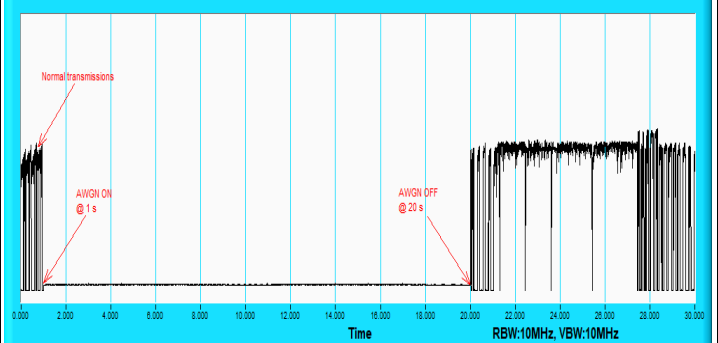
802.11ax (HE160) / CH111(Low Edge)

UNII6_BW160_CH111_6505_TRS



802.11ax (HE160) / CH111(Middle)

UNII6_BW160_CH111_6580_TRS



802.11ax (HE160) / CH111(High Edge)

For U-NII-7

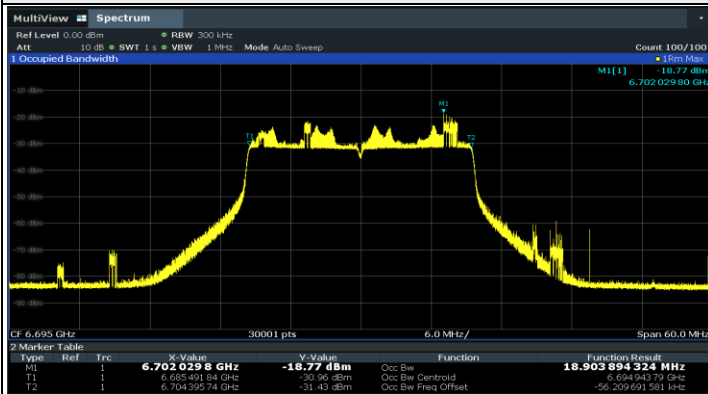
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	149	6695	6695	-72.56	3.29	0	-75.85	-62	OFF
					-73.06	3.29	0	-76.35	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
	160	143	6665	6590	-78.05	3.29	0	-81.34	-62	OFF
					-78.55	3.29	0	-81.84	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				6665	-78.05	3.29	0	-81.34	-62	OFF
					-78.55	3.29	0	-81.84	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				6740	-77.95	3.29	0	-81.24	-62	OFF
					-78.45	3.29	0	-81.74	-62	Minimal
					-78.71	3.29	0	-82	-62	ON

Notes:

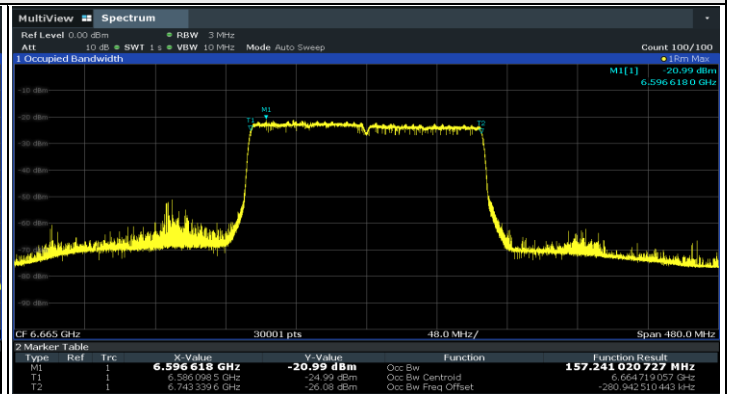
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. This device does not use the channel puncturing and bandwidth reduction mechanisms for incumbent avoidance, but instead switches to other channels to perform its function.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6695	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6590	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6665	v	v	x	v	v	v	v	v	v	v	90%	90%	Pass
		6740	v	v	v	x	v	v	v	v	v	v	90%	90%	Pass

Plots of EUT Tx waveform

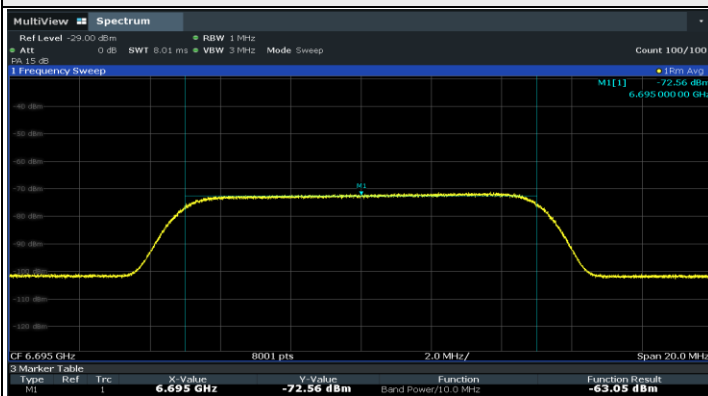


802.11ax (HE20) / CH149

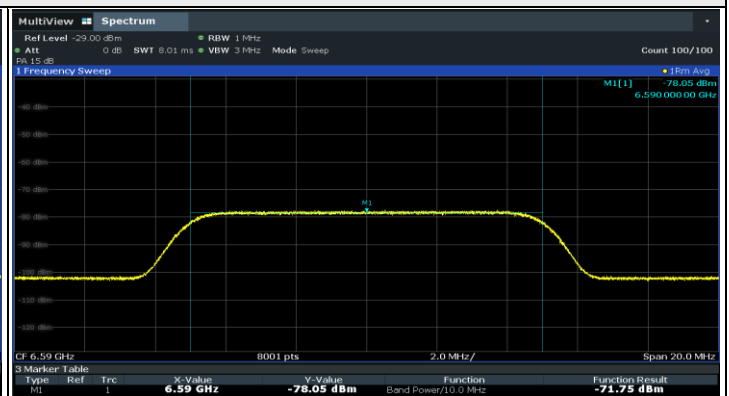


802.11ax (HE160) / CH143

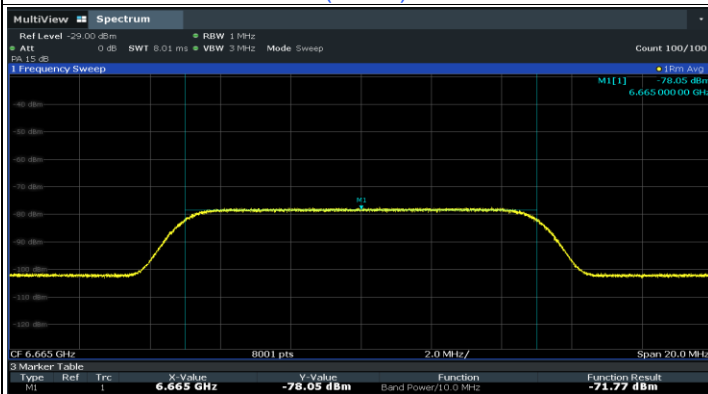
Plots of Injected signal (AWGN) level



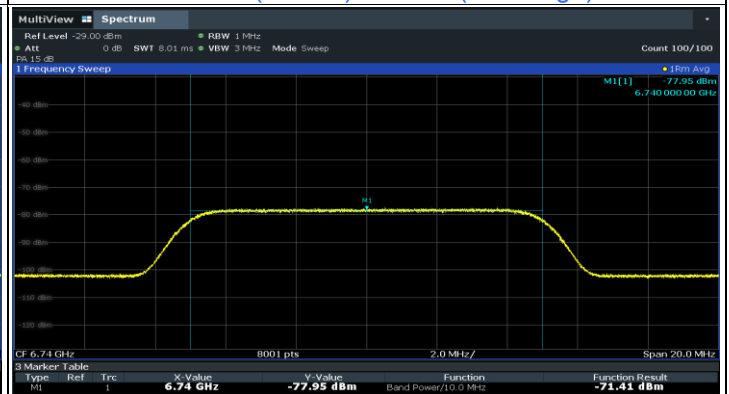
802.11ax (HE20) / CH149



802.11ax (HE160) / CH143(Low Edge)



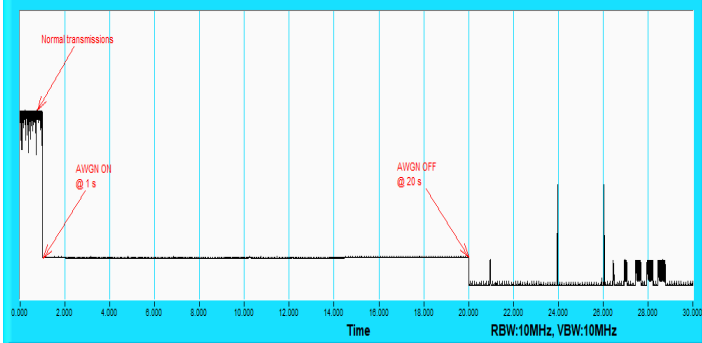
802.11ax (HE160) / CH143(Middle)



802.11ax (HE160) / CH143(High Edge)

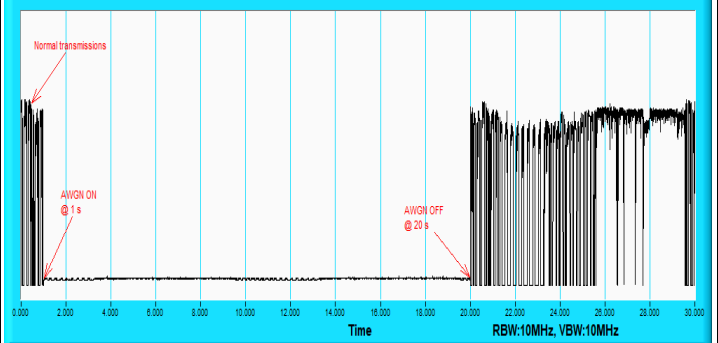
Plots of EUT ceased transmission in the time domain

UNII7_BW20_CH149_6695_TRS



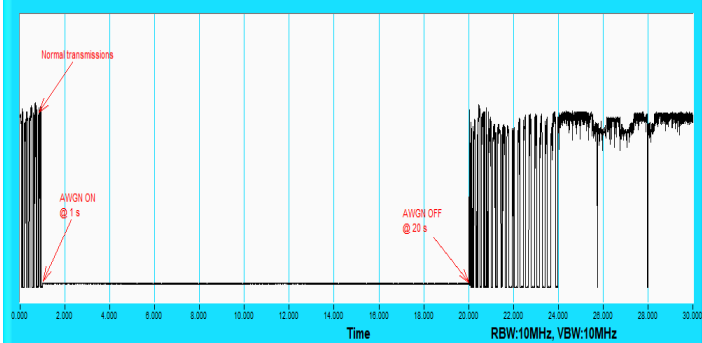
802.11ax (HE20) / CH149

UNII7_BW160_CH143_6590_TRS



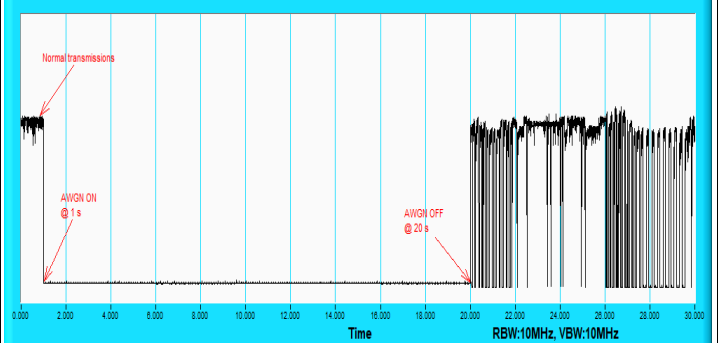
802.11ax (HE160) / CH143(Low Edge)

UNII7_BW160_CH143_6665_TRS



802.11ax (HE160) / CH143(Middle)

UNII7_BW160_CH143_6740_TRS



802.11ax (HE160) / CH143(High Edge)

For U-NII-8

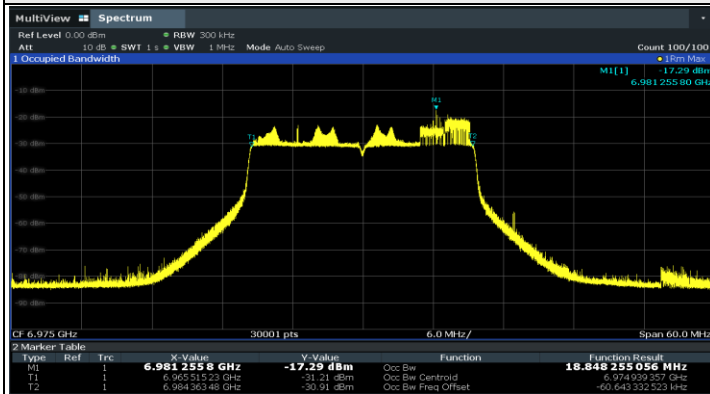
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	205	6975	6975	-77.22	3.29	0	-80.51	-62	OFF
					-77.72	3.29	0	-81.01	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
	160	207	6985	6910	-77.99	3.29	0	-81.28	-62	OFF
					-78.49	3.29	0	-81.78	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				6985	-78.03	3.29	0	-81.32	-62	OFF
					-78.53	3.29	0	-81.82	-62	Minimal
					-78.71	3.29	0	-82	-62	ON
				7060	-77.79	3.29	0	-81.08	-62	OFF
					-78.29	3.29	0	-81.58	-62	Minimal
					-78.71	3.29	0	-82	-62	ON

Notes:

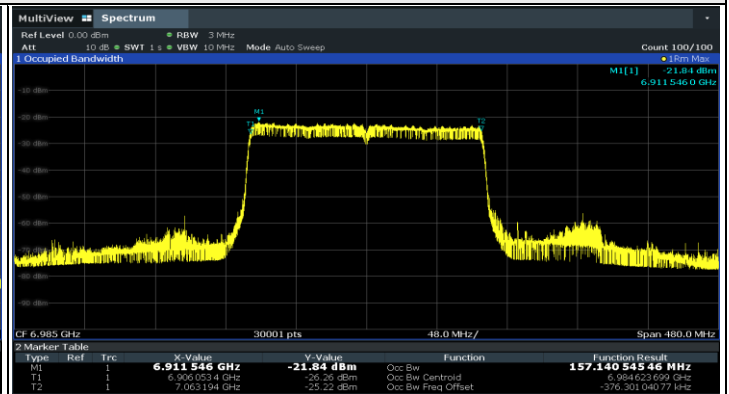
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. This device does not use the channel puncturing and bandwidth reduction mechanisms for incumbent avoidance, but instead switches to other channels to perform its function.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6975	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6910	v	v	v	v	v	x	v	v	v	v	90%	90%	Pass
		6985	v	v	v	v	x	v	v	v	v	v	90%	90%	Pass
		7060	v	v	v	v	v	v	v	x	v	v	90%	90%	Pass

Plots of EUT Tx waveform

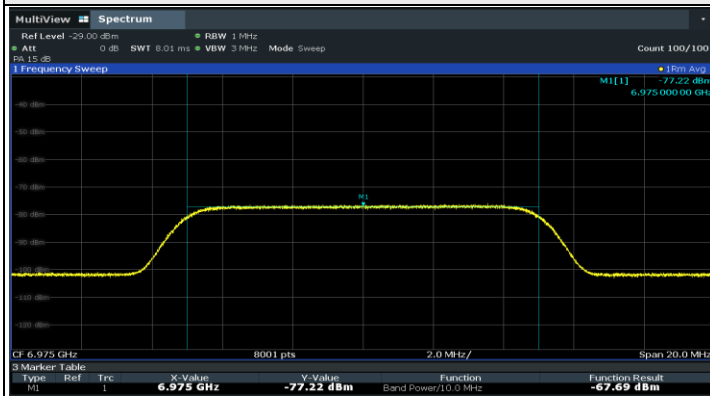


802.11ax (HE20) / CH205

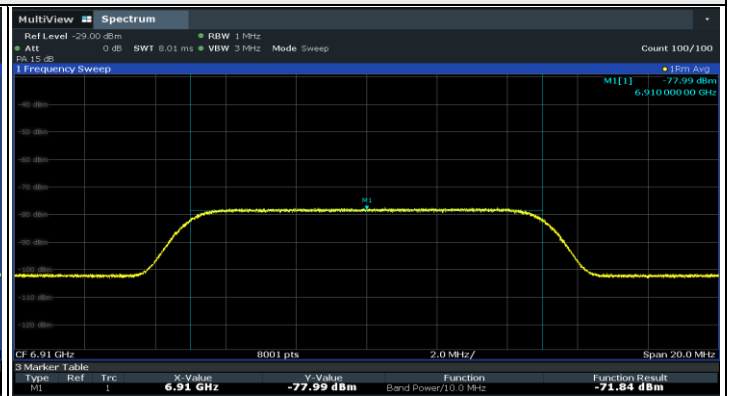


802.11ax (HE160) / CH207

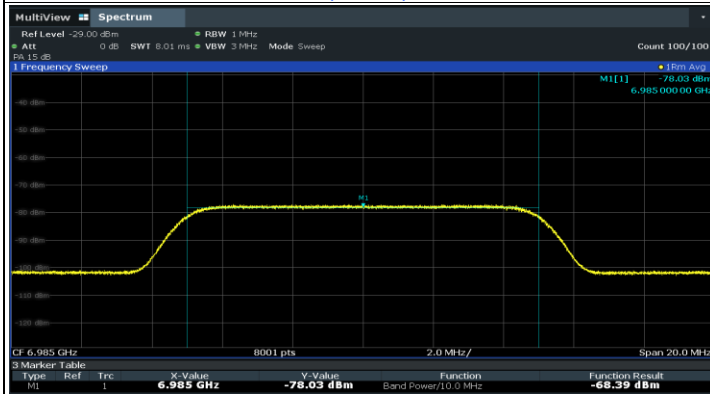
Plots of Injected signal (AWGN) level



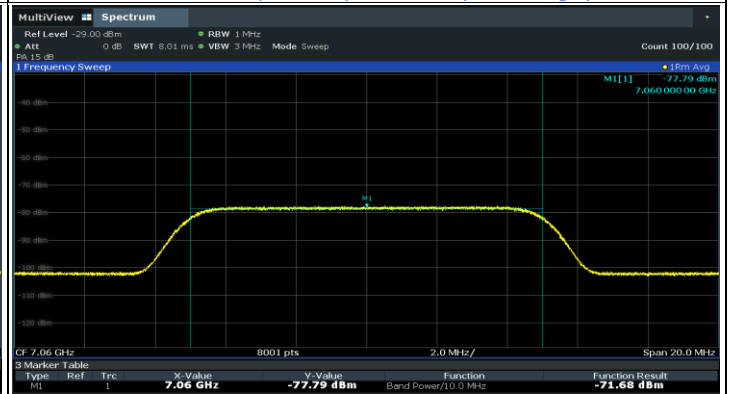
802.11ax (HE20) / CH205



802.11ax (HE160) / CH207 (Low Edge)



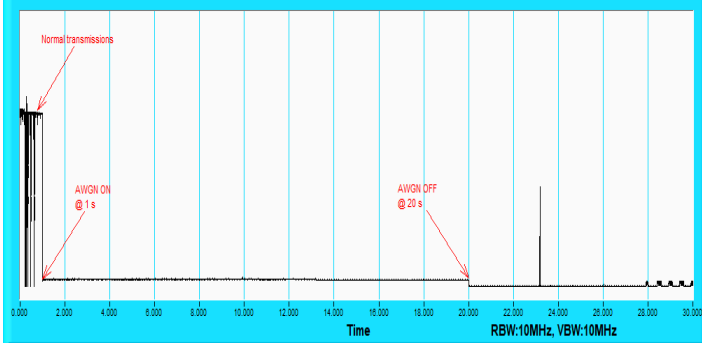
802.11ax (HE160) / CH207 (Middle)



802.11ax (HE160) / CH207 (High Edge)

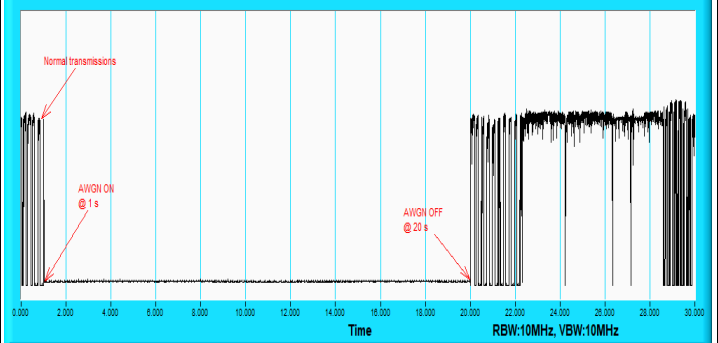
Plots of EUT ceased transmission in the time domain

UNII8_BW20_CH205_6975_TRS



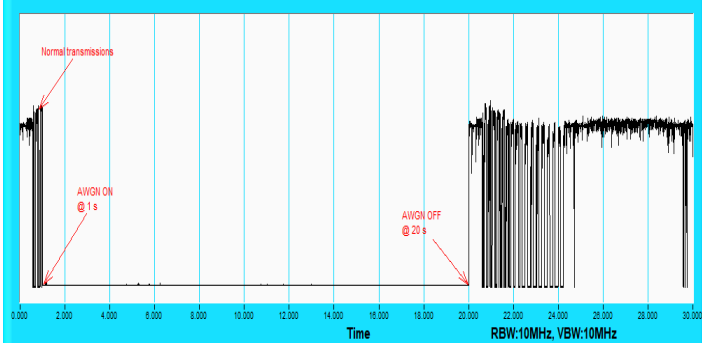
802.11ax (HE20) / CH205

UNII8_BW160_CH207_6910_TRS



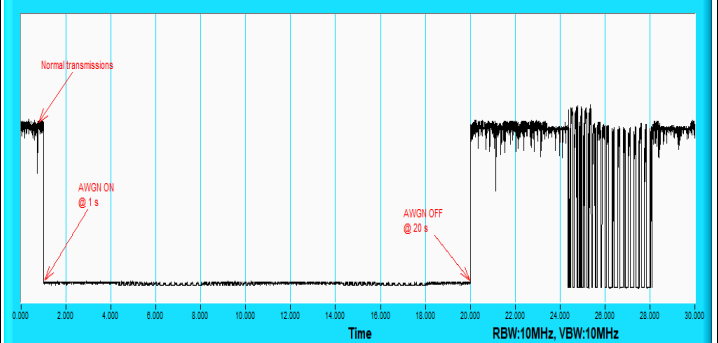
802.11ax (HE160) / CH207(Low Edge)

UNII8_BW160_CH207_6985_TRS



802.11ax (HE160) / CH207(Middle)

UNII8_BW160_CH207_7060_TRS



802.11ax (HE160) / CH207(High Edge)

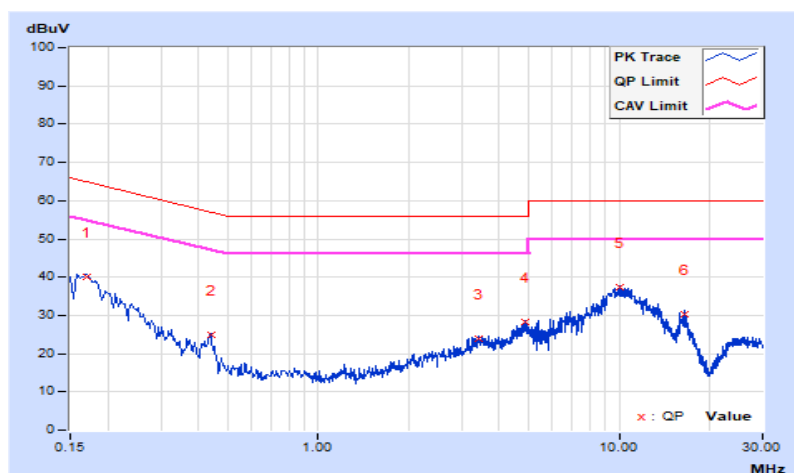
7.7 AC Power Conducted Emissions

RF Mode	802.11ax (HE160)	Channel	CH 175 : 6825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16956	10.20	30.03	8.48	40.23	18.68	64.98	54.98	-24.75	-36.30
2	0.43941	10.20	14.70	6.73	24.90	16.93	57.07	47.07	-32.17	-30.14
3	3.41761	10.34	13.60	6.24	23.94	16.58	56.00	46.00	-32.06	-29.42
4	4.84903	10.39	18.04	9.34	28.43	19.73	56.00	46.00	-27.57	-26.27
5	10.01781	10.59	26.87	16.77	37.46	27.36	60.00	50.00	-22.54	-22.64
6	16.44359	10.76	19.40	9.95	30.16	20.71	60.00	50.00	-29.84	-29.29

Remarks:

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

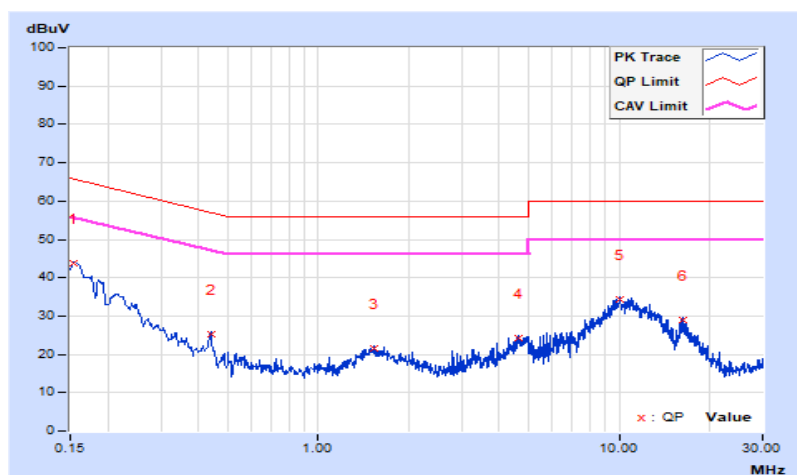


RF Mode	802.11ax (HE160)	Channel	CH 175 : 6825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.32	33.49	12.89	43.81	23.21	65.79	55.79	-21.98	-32.58
2	0.43926	10.32	15.04	6.15	25.36	16.47	57.08	47.08	-31.72	-30.61
3	1.52859	10.36	11.30	4.88	21.66	15.24	56.00	46.00	-34.34	-30.76
4	4.64175	10.52	13.71	6.08	24.23	16.60	56.00	46.00	-31.77	-29.40
5	10.04128	10.73	23.67	13.84	34.40	24.57	60.00	50.00	-25.60	-25.43
6	16.29106	10.86	17.98	9.15	28.84	20.01	60.00	50.00	-31.16	-29.99

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



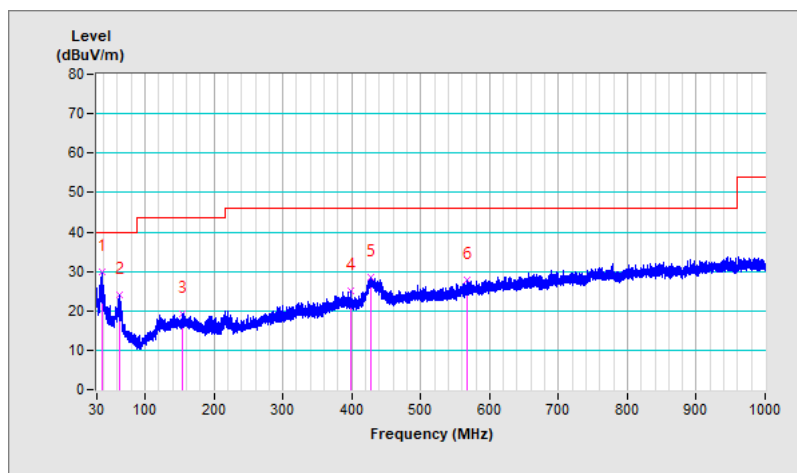
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE160)	Channel	CH 175 : 6825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.86	29.7 QP	40.0	-10.3	1.87 H	338	39.1	-9.4
2	62.30	24.2 QP	40.0	-15.8	1.97 H	4	33.5	-9.3
3	154.17	19.3 QP	43.5	-24.2	1.35 H	251	26.9	-7.6
4	399.12	25.0 QP	46.0	-21.0	1.26 H	170	28.2	-3.2
5	427.74	28.6 QP	46.0	-17.4	1.40 H	251	30.7	-2.1
6	566.75	27.8 QP	46.0	-18.2	1.59 H	104	27.1	0.7

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

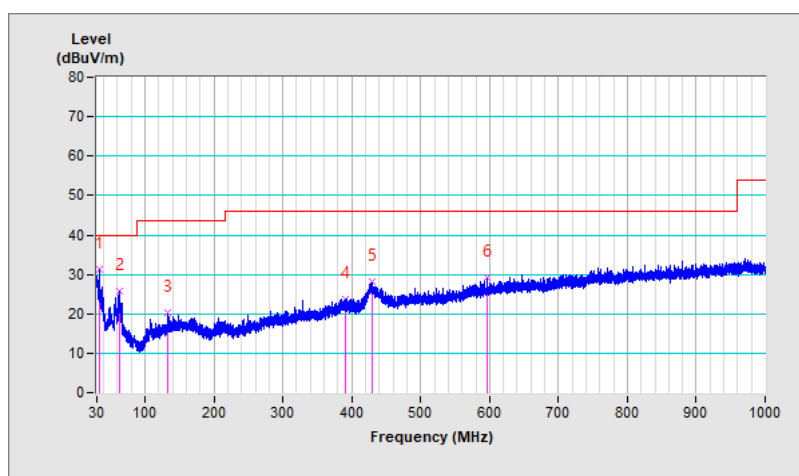


RF Mode	802.11ax (HE160)	Channel	CH 175 : 6825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.59	31.2 QP	40.0	-8.8	1.68 V	266	41.4	-10.2
2	63.08	25.9 QP	40.0	-14.1	1.24 V	241	35.3	-9.4
3	133.12	20.1 QP	43.5	-23.4	1.35 V	241	29.0	-8.9
4	390.00	23.7 QP	46.0	-22.3	1.98 V	218	27.0	-3.3
5	429.78	28.0 QP	46.0	-18.0	1.60 V	273	30.0	-2.0
6	596.44	29.1 QP	46.0	-16.9	1.13 V	56	27.5	1.6

Remarks:

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



7.9 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	63.9 PK	88.2	-24.3	2.00 H	216	54.8	9.1
2	#5925.00	50.5 AV	68.2	-17.7	2.00 H	216	41.4	9.1
3	*5955.00	99.1 PK			2.00 H	216	89.9	9.2
4	*5955.00	88.3 AV			2.00 H	216	79.1	9.2
5	11910.00	54.8 PK	74.0	-19.2	1.65 H	48	34.0	20.8
6	11910.00	41.7 AV	54.0	-12.3	1.65 H	48	20.9	20.8
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	#5925.00	63.5 PK	88.2	-24.7	2.47 V	125	54.4	9.1
2	#5925.00	50.1 AV	68.2	-18.1	2.47 V	125	41.0	9.1
3	*5955.00	96.5 PK			2.47 V	125	87.3	9.2
4	*5955.00	86.0 AV			2.47 V	125	76.8	9.2
5	11910.00	53.3 PK	74.0	-20.7	2.04 V	46	32.5	20.8
6	11910.00	40.2 AV	54.0	-13.8	2.04 V	46	19.4	20.8

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 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	96.6 PK			1.52 H	63	86.7	9.9
2	*6175.00	85.8 AV			1.52 H	63	75.9	9.9
3	12350.00	54.3 PK	74.0	-19.7	1.17 H	255	34.5	19.8
4	12350.00	41.2 AV	54.0	-12.8	1.17 H	255	21.4	19.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	94.0 PK			1.99 V	332	84.1	9.9
2	*6175.00	83.5 AV			1.99 V	332	73.6	9.9
3	12350.00	52.8 PK	74.0	-21.2	1.56 V	199	33.0	19.8
4	12350.00	39.7 AV	54.0	-14.3	1.56 V	199	19.9	19.8

Remarks:

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

RF Mode	802.11a	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	98.4 PK			1.53 H	188	88.7	9.7
2	*6415.00	87.6 AV			1.53 H	188	77.9	9.7
3	#12830.00	54.1 PK	88.2	-34.1	1.18 H	20	32.3	21.8
4	#12830.00	41.0 AV	68.2	-27.2	1.18 H	20	19.2	21.8
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	*6415.00	95.8 PK			2.00 V	97	86.1	9.7
2	*6415.00	85.3 AV			2.00 V	97	75.6	9.7
3	#12830.00	52.6 PK	88.2	-35.6	1.57 V	18	30.8	21.8
4	#12830.00	39.5 AV	68.2	-28.7	1.57 V	18	17.7	21.8

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 97 : 6435 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	99.1 PK			1.67 H	247	89.2	9.9
2	*6435.00	88.3 AV			1.67 H	247	78.4	9.9
3	#12870.00	54.8 PK	88.2	-33.4	1.32 H	79	33.1	21.7
4	#12870.00	41.7 AV	68.2	-26.5	1.32 H	79	20.0	21.7
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	*6435.00	96.5 PK			2.14 V	156	86.6	9.9
2	*6435.00	86.0 AV			2.14 V	156	76.1	9.9
3	#12870.00	53.3 PK	88.2	-34.9	1.71 V	77	31.6	21.7
4	#12870.00	40.2 AV	68.2	-28.0	1.71 V	77	18.5	21.7

Remarks:

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

RF Mode	802.11a	Channel	CH 105 : 6475 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6475.00	97.8 PK			1.57 H	245	87.7	10.1
2	*6475.00	87.0 AV			1.57 H	245	76.9	10.1
3	#12950.00	54.5 PK	88.2	-33.7	1.22 H	77	32.8	21.7
4	#12950.00	41.4 AV	68.2	-26.8	1.22 H	77	19.7	21.7
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	*6475.00	95.2 PK			2.04 V	154	85.1	10.1
2	*6475.00	84.7 AV			2.04 V	154	74.6	10.1
3	#12950.00	53.0 PK	88.2	-35.2	1.61 V	75	31.3	21.7
4	#12950.00	39.9 AV	68.2	-28.3	1.61 V	75	18.2	21.7

Remarks:

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

RF Mode	802.11a	Channel	CH 113 : 6515 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6515.00	99.6 PK			2.64 H	215	89.4	10.2
2	*6515.00	88.8 AV			2.64 H	215	78.6	10.2
3	#13030.00	56.3 PK	88.2	-31.9	2.29 H	47	34.1	22.2
4	#13030.00	43.2 AV	68.2	-25.0	2.29 H	47	21.0	22.2
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	*6515.00	97.0 PK			3.11 V	124	86.8	10.2
2	*6515.00	86.5 AV			3.11 V	124	76.3	10.2
3	#13030.00	54.8 PK	88.2	-33.4	2.68 V	45	32.6	22.2
4	#13030.00	41.7 AV	68.2	-26.5	2.68 V	45	19.5	22.2

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 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	100.0 PK			2.64 H	212	89.7	10.3
2	*6535.00	89.2 AV			2.64 H	212	78.9	10.3
3	#13070.00	56.7 PK	88.2	-31.5	2.29 H	44	34.5	22.2
4	#13070.00	43.6 AV	68.2	-24.6	2.29 H	44	21.4	22.2
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	*6535.00	97.4 PK			3.10 V	121	87.1	10.3
2	*6535.00	86.9 AV			3.10 V	121	76.6	10.3
3	#13070.00	55.2 PK	88.2	-33.0	2.68 V	42	33.0	22.2
4	#13070.00	42.1 AV	68.2	-26.1	2.68 V	42	19.9	22.2

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 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	99.8 PK			1.71 H	165	89.0	10.8
2	*6695.00	89.0 AV			1.71 H	165	78.2	10.8
3	13390.00	56.5 PK	74.0	-17.5	1.36 H	357	31.8	24.7
4	13390.00	43.4 AV	54.0	-10.6	1.36 H	357	18.7	24.7
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	*6695.00	97.2 PK			2.17 V	74	86.4	10.8
2	*6695.00	86.7 AV			2.17 V	74	75.9	10.8
3	13390.00	55.0 PK	74.0	-19.0	1.75 V	355	30.3	24.7
4	13390.00	41.9 AV	54.0	-12.1	1.75 V	355	17.2	24.7

Remarks:

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

RF Mode	802.11a	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	98.7 PK			1.68 H	174	87.7	11.0
2	*6855.00	87.9 AV			1.68 H	174	76.9	11.0
3	#13710.00	55.4 PK	88.2	-32.8	1.33 H	6	30.8	24.6
4	#13710.00	42.3 AV	68.2	-25.9	1.33 H	6	17.7	24.6
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	*6855.00	96.1 PK			2.14 V	83	85.1	11.0
2	*6855.00	85.6 AV			2.14 V	83	74.6	11.0
3	#13710.00	53.9 PK	88.2	-34.3	1.72 V	4	29.3	24.6
4	#13710.00	40.8 AV	68.2	-27.4	1.72 V	4	16.2	24.6

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 185 : 6875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	98.2 PK			1.00 H	34	87.0	11.2
2	*6875.00	87.4 AV			1.00 H	34	76.2	11.2
3	#13750.00	54.9 PK	88.2	-33.3	2.01 H	226	30.2	24.7
4	#13750.00	41.8 AV	68.2	-26.4	2.01 H	226	17.1	24.7
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	*6875.00	95.6 PK			1.46 V	303	84.4	11.2
2	*6875.00	85.1 AV			1.46 V	303	73.9	11.2
3	#13750.00	53.4 PK	88.2	-34.8	1.04 V	224	28.7	24.7
4	#13750.00	40.3 AV	68.2	-27.9	1.04 V	224	15.6	24.7

Remarks:

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

RF Mode	802.11a	Channel	CH 209 : 6995 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6995.00	96.5 PK			1.68 H	175	84.6	11.9
2	*6995.00	85.7 AV			1.68 H	175	73.8	11.9
3	#13990.00	53.2 PK	88.2	-35.0	2.69 H	7	27.3	25.9
4	#13990.00	40.1 AV	68.2	-28.1	2.69 H	7	14.2	25.9
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	*6995.00	93.9 PK			2.14 V	84	82.0	11.9
2	*6995.00	83.4 AV			2.14 V	84	71.5	11.9
3	#13990.00	51.7 PK	88.2	-36.5	1.72 V	5	25.8	25.9
4	#13990.00	38.6 AV	68.2	-29.6	1.72 V	5	12.7	25.9

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 233 : 7115 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7115.00	96.8 PK			1.48 H	29	84.3	12.5
2	*7115.00	86.0 AV			1.48 H	29	73.5	12.5
3	#7125.00	72.8 PK	88.2	-15.4	1.48 H	29	60.2	12.6
4	#7125.00	54.8 AV	68.2	-13.4	1.48 H	29	42.2	12.6
5	#14230.00	53.5 PK	88.2	-34.7	2.49 H	221	27.2	26.3
6	#14230.00	40.4 AV	68.2	-27.8	2.49 H	221	14.1	26.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7115.00	94.2 PK			1.94 V	298	81.7	12.5
2	*7115.00	83.7 AV			1.94 V	298	71.2	12.5
3	#7125.00	72.4 PK	88.2	-15.8	1.94 V	298	59.8	12.6
4	#7125.00	54.4 AV	68.2	-13.8	1.94 V	298	41.8	12.6
5	#14230.00	52.0 PK	88.2	-36.2	1.52 V	219	25.7	26.3
6	#14230.00	38.9 AV	68.2	-29.3	1.52 V	219	12.6	26.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	64.0 PK	88.2	-24.2	2.05 H	209	54.9	9.1
2	#5925.00	50.5 AV	68.2	-17.7	2.05 H	209	41.4	9.1
3	*5955.00	100.4 PK			2.05 H	209	91.2	9.2
4	*5955.00	87.9 AV			2.05 H	209	78.7	9.2
5	11910.00	56.1 PK	74.0	-17.9	1.70 H	41	35.3	20.8
6	11910.00	41.3 AV	54.0	-12.7	1.70 H	41	20.5	20.8
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	#5925.00	63.6 PK	88.2	-24.6	2.52 V	118	54.5	9.1
2	#5925.00	50.1 AV	68.2	-18.1	2.52 V	118	41.0	9.1
3	*5955.00	97.8 PK			2.52 V	118	88.6	9.2
4	*5955.00	85.6 AV			2.52 V	118	76.4	9.2
5	11910.00	54.6 PK	74.0	-19.4	2.09 V	39	33.8	20.8
6	11910.00	39.8 AV	54.0	-14.2	2.09 V	39	19.0	20.8

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 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	98.3 PK			1.34 H	59	88.4	9.9
2	*6175.00	85.8 AV			1.34 H	59	75.9	9.9
3	12350.00	54.0 PK	74.0	-20.0	2.41 H	251	34.2	19.8
4	12350.00	39.2 AV	54.0	-14.8	2.41 H	251	19.4	19.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	95.7 PK			1.81 V	328	85.8	9.9
2	*6175.00	83.5 AV			1.81 V	328	73.6	9.9
3	12350.00	52.5 PK	74.0	-21.5	1.38 V	249	32.7	19.8
4	12350.00	37.7 AV	54.0	-16.3	1.38 V	249	17.9	19.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	99.9 PK			1.71 H	245	90.2	9.7
2	*6415.00	87.4 AV			1.71 H	245	77.7	9.7
3	#12830.00	55.6 PK	88.2	-32.6	2.78 H	77	33.8	21.8
4	#12830.00	40.8 AV	68.2	-27.4	2.78 H	77	19.0	21.8
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	*6415.00	97.3 PK			2.18 V	154	87.6	9.7
2	*6415.00	85.1 AV			2.18 V	154	75.4	9.7
3	#12830.00	54.1 PK	88.2	-34.1	1.75 V	75	32.3	21.8
4	#12830.00	39.3 AV	68.2	-28.9	1.75 V	75	17.5	21.8

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 97 : 6435 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	99.5 PK			1.68 H	246	89.6	9.9
2	*6435.00	87.0 AV			1.68 H	246	77.1	9.9
3	#12870.00	55.2 PK	88.2	-33.0	2.75 H	78	33.5	21.7
4	#12870.00	40.4 AV	68.2	-27.8	2.75 H	78	18.7	21.7
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	*6435.00	96.9 PK			2.15 V	155	87.0	9.9
2	*6435.00	84.7 AV			2.15 V	155	74.8	9.9
3	#12870.00	53.7 PK	88.2	-34.5	1.72 V	76	32.0	21.7
4	#12870.00	38.9 AV	68.2	-29.3	1.72 V	76	17.2	21.7

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 105 : 6475 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6475.00	99.0 PK			1.62 H	247	88.9	10.1
2	*6475.00	86.5 AV			1.62 H	247	76.4	10.1
3	#12950.00	54.7 PK	88.2	-33.5	2.69 H	79	33.0	21.7
4	#12950.00	39.9 AV	68.2	-28.3	2.69 H	79	18.2	21.7
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	*6475.00	96.4 PK			2.09 V	156	86.3	10.1
2	*6475.00	84.2 AV			2.09 V	156	74.1	10.1
3	#12950.00	53.2 PK	88.2	-35.0	1.66 V	77	31.5	21.7
4	#12950.00	38.4 AV	68.2	-29.8	1.66 V	77	16.7	21.7

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 113 : 6515 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6515.00	99.2 PK			1.55 H	248	89.0	10.2
2	*6515.00	86.7 AV			1.55 H	248	76.5	10.2
3	#13030.00	54.9 PK	88.2	-33.3	2.62 H	80	32.7	22.2
4	#13030.00	40.1 AV	68.2	-28.1	2.62 H	80	17.9	22.2
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	*6515.00	96.6 PK			2.02 V	157	86.4	10.2
2	*6515.00	84.4 AV			2.02 V	157	74.2	10.2
3	#13030.00	53.4 PK	88.2	-34.8	1.59 V	78	31.2	22.2
4	#13030.00	38.6 AV	68.2	-29.6	1.59 V	78	16.4	22.2

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 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	101.2 PK			2.64 H	214	90.9	10.3
2	*6535.00	88.7 AV			2.64 H	214	78.4	10.3
3	#13070.00	56.9 PK	88.2	-31.3	3.71 H	46	34.7	22.2
4	#13070.00	42.1 AV	68.2	-26.1	3.71 H	46	19.9	22.2
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	*6535.00	98.6 PK			3.11 V	123	88.3	10.3
2	*6535.00	86.4 AV			3.11 V	123	76.1	10.3
3	#13070.00	55.4 PK	88.2	-32.8	2.68 V	44	33.2	22.2
4	#13070.00	40.6 AV	68.2	-27.6	2.68 V	44	18.4	22.2

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 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	101.1 PK			1.65 H	165	90.3	10.8
2	*6695.00	88.6 AV			1.65 H	165	77.8	10.8
3	13390.00	56.8 PK	74.0	-17.2	2.72 H	357	32.1	24.7
4	13390.00	42.0 AV	54.0	-12.0	2.72 H	357	17.3	24.7
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	*6695.00	98.5 PK			2.12 V	74	87.7	10.8
2	*6695.00	86.3 AV			2.12 V	74	75.5	10.8
3	13390.00	55.3 PK	74.0	-18.7	1.69 V	355	30.6	24.7
4	13390.00	40.5 AV	54.0	-13.5	1.69 V	355	15.8	24.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	99.7 PK			1.61 H	175	88.7	11.0
2	*6855.00	87.2 AV			1.61 H	175	76.2	11.0
3	#13710.00	55.4 PK	88.2	-32.8	2.68 H	7	30.8	24.6
4	#13710.00	40.6 AV	68.2	-27.6	2.68 H	7	16.0	24.6
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	*6855.00	97.1 PK			2.08 V	84	86.1	11.0
2	*6855.00	84.9 AV			2.08 V	84	73.9	11.0
3	#13710.00	53.9 PK	88.2	-34.3	1.65 V	5	29.3	24.6
4	#13710.00	39.1 AV	68.2	-29.1	1.65 V	5	14.5	24.6

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 185 : 6875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	99.2 PK			1.01 H	42	88.0	11.2
2	*6875.00	86.7 AV			1.01 H	42	75.5	11.2
3	#13750.00	54.9 PK	88.2	-33.3	2.08 H	234	30.2	24.7
4	#13750.00	40.1 AV	68.2	-28.1	2.08 H	234	15.4	24.7
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	*6875.00	96.6 PK			1.48 V	311	85.4	11.2
2	*6875.00	84.4 AV			1.48 V	311	73.2	11.2
3	#13750.00	53.4 PK	88.2	-34.8	1.05 V	232	28.7	24.7
4	#13750.00	38.6 AV	68.2	-29.6	1.05 V	232	13.9	24.7

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 209 : 6995 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6995.00	98.7 PK			1.46 H	46	86.8	11.9
2	*6995.00	86.2 AV			1.46 H	46	74.3	11.9
3	#13990.00	54.4 PK	88.2	-33.8	2.53 H	238	28.5	25.9
4	#13990.00	39.6 AV	68.2	-28.6	2.53 H	238	13.7	25.9
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	*6995.00	96.1 PK			1.93 V	315	84.2	11.9
2	*6995.00	83.9 AV			1.93 V	315	72.0	11.9
3	#13990.00	52.9 PK	88.2	-35.3	1.50 V	236	27.0	25.9
4	#13990.00	38.1 AV	68.2	-30.1	1.50 V	236	12.2	25.9

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 233 : 7115 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7115.00	98.2 PK			1.50 H	27	85.7	12.5
2	*7115.00	85.7 AV			1.50 H	27	73.2	12.5
3	#7125.00	77.5 PK	88.2	-10.7	1.50 H	27	64.9	12.6
4	#7125.00	66.2 AV	68.2	-2.0	1.50 H	27	53.6	12.6
5	#14230.00	53.9 PK	88.2	-34.3	2.57 H	219	27.6	26.3
6	#14230.00	39.1 AV	68.2	-29.1	2.57 H	219	12.8	26.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7115.00	95.6 PK			1.97 V	296	83.1	12.5
2	*7115.00	83.4 AV			1.97 V	296	70.9	12.5
3	#7125.00	77.1 PK	88.2	-11.1	1.97 V	296	64.5	12.6
4	#7125.00	65.8 AV	68.2	-2.4	1.97 V	296	53.2	12.6
5	#14230.00	52.4 PK	88.2	-35.8	1.54 V	217	26.1	26.3
6	#14230.00	37.6 AV	68.2	-30.6	1.54 V	217	11.3	26.3

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 3 : 5965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	64.1 PK	88.2	-24.1	2.07 H	210	55.0	9.1
2	#5925.00	50.6 AV	68.2	-17.6	2.07 H	210	41.5	9.1
3	*5965.00	101.5 PK			2.07 H	210	92.3	9.2
4	*5965.00	88.8 AV			2.07 H	210	79.6	9.2
5	11930.00	57.2 PK	74.0	-16.8	1.72 H	42	36.5	20.7
6	11930.00	42.2 AV	54.0	-11.8	1.72 H	42	21.5	20.7
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	#5925.00	63.7 PK	88.2	-24.5	2.54 V	119	54.6	9.1
2	#5925.00	50.2 AV	68.2	-18.0	2.54 V	119	41.1	9.1
3	*5965.00	98.9 PK			2.54 V	119	89.7	9.2
4	*5965.00	86.5 AV			2.54 V	119	77.3	9.2
5	11930.00	55.7 PK	74.0	-18.3	2.11 V	40	35.0	20.7
6	11930.00	40.7 AV	54.0	-13.3	2.11 V	40	20.0	20.7

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 43 : 6165 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6165.00	99.8 PK			1.41 H	57	89.9	9.9
2	*6165.00	87.1 AV			1.41 H	57	77.2	9.9
3	12330.00	55.5 PK	74.0	-18.5	1.06 H	249	35.8	19.7
4	12330.00	40.5 AV	54.0	-13.5	1.06 H	249	20.8	19.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6165.00	97.2 PK			1.88 V	326	87.3	9.9
2	*6165.00	84.8 AV			1.88 V	326	74.9	9.9
3	12330.00	54.0 PK	74.0	-20.0	1.45 V	286	34.3	19.7
4	12330.00	39.0 AV	54.0	-15.0	1.45 V	286	19.3	19.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 91 : 6405 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6405.00	99.0 PK			1.73 H	246	89.5	9.5
2	*6405.00	86.3 AV			1.73 H	246	76.8	9.5
3	#12810.00	54.7 PK	88.2	-33.5	1.38 H	78	32.8	21.9
4	#12810.00	39.7 AV	68.2	-28.5	1.38 H	78	17.8	21.9
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	*6405.00	96.4 PK			2.20 V	155	86.9	9.5
2	*6405.00	84.0 AV			2.20 V	155	74.5	9.5
3	#12810.00	53.2 PK	88.2	-35.0	1.77 V	115	31.3	21.9
4	#12810.00	38.2 AV	68.2	-30.0	1.77 V	115	16.3	21.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 99 : 6445 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6445.00	99.0 PK			1.72 H	244	89.1	9.9
2	*6445.00	86.3 AV			1.72 H	244	76.4	9.9
3	#12890.00	54.6 PK	88.2	-33.6	1.37 H	76	33.1	21.5
4	#12890.00	39.6 AV	68.2	-28.6	1.37 H	76	18.1	21.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6445.00	96.3 PK			2.19 V	153	86.4	9.9
2	*6445.00	83.9 AV			2.19 V	153	74.0	9.9
3	#12890.00	53.1 PK	88.2	-35.1	1.76 V	117	31.6	21.5
4	#12890.00	38.1 AV	68.2	-30.1	1.76 V	117	16.6	21.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 107 : 6485 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6485.00	98.5 PK			1.70 H	245	88.3	10.2
2	*6485.00	85.8 AV			1.70 H	245	75.6	10.2
3	#12970.00	54.1 PK	88.2	-34.1	1.35 H	77	32.1	22.0
4	#12970.00	39.1 AV	68.2	-29.1	1.35 H	77	17.1	22.0
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	*6485.00	95.8 PK			2.17 V	154	85.6	10.2
2	*6485.00	83.4 AV			2.17 V	154	73.2	10.2
3	#12970.00	52.6 PK	88.2	-35.6	1.74 V	116	30.6	22.0
4	#12970.00	37.6 AV	68.2	-30.6	1.74 V	116	15.6	22.0

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 115 : 6525 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6525.00	100.5 PK			2.63 H	213	90.2	10.3
2	*6525.00	87.8 AV			2.63 H	213	77.5	10.3
3	#13050.00	56.1 PK	88.2	-32.1	2.28 H	45	33.9	22.2
4	#13050.00	41.1 AV	68.2	-27.1	2.28 H	45	18.9	22.2
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	*6525.00	97.8 PK			3.10 V	122	87.5	10.3
2	*6525.00	85.4 AV			3.10 V	122	75.1	10.3
3	#13050.00	54.6 PK	88.2	-33.6	2.67 V	84	32.4	22.2
4	#13050.00	39.6 AV	68.2	-28.6	2.67 V	84	17.4	22.2

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 123 : 6565 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6565.00	98.8 PK			1.54 H	242	88.6	10.2
2	*6565.00	86.1 AV			1.54 H	242	75.9	10.2
3	#13130.00	54.4 PK	88.2	-33.8	1.19 H	74	32.0	22.4
4	#13130.00	39.4 AV	68.2	-28.8	1.19 H	74	17.0	22.4
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	*6565.00	96.1 PK			2.01 V	151	85.9	10.2
2	*6565.00	83.7 AV			2.01 V	151	73.5	10.2
3	#13130.00	52.9 PK	88.2	-35.3	1.58 V	113	30.5	22.4
4	#13130.00	37.9 AV	68.2	-30.3	1.58 V	113	15.5	22.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 155 : 6725 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6725.00	100.3 PK			1.65 H	166	89.4	10.9
2	*6725.00	87.6 AV			1.65 H	166	76.7	10.9
3	#13450.00	55.9 PK	88.2	-32.3	1.30 H	358	31.5	24.4
4	#13450.00	40.9 AV	68.2	-27.3	1.30 H	358	16.5	24.4
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	*6725.00	97.6 PK			2.12 V	75	86.7	10.9
2	*6725.00	85.2 AV			2.12 V	75	74.3	10.9
3	#13450.00	54.4 PK	88.2	-33.8	1.69 V	37	30.0	24.4
4	#13450.00	39.4 AV	68.2	-28.8	1.69 V	37	15.0	24.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 179 : 6845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6845.00	99.2 PK			1.63 H	166	88.2	11.0
2	*6845.00	86.5 AV			1.63 H	166	75.5	11.0
3	#13690.00	54.8 PK	88.2	-33.4	1.28 H	358	30.2	24.6
4	#13690.00	39.8 AV	68.2	-28.4	1.28 H	358	15.2	24.6
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	*6845.00	96.5 PK			2.10 V	75	85.5	11.0
2	*6845.00	84.1 AV			2.10 V	75	73.1	11.0
3	#13690.00	53.3 PK	88.2	-34.9	1.67 V	37	28.7	24.6
4	#13690.00	38.3 AV	68.2	-29.9	1.67 V	37	13.7	24.6

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 187 : 6885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6885.00	98.9 PK			3.88 H	34	87.7	11.2
2	*6885.00	86.2 AV			3.88 H	34	75.0	11.2
3	#13770.00	54.5 PK	88.2	-33.7	3.53 H	226	29.7	24.8
4	#13770.00	39.5 AV	68.2	-28.7	3.53 H	226	14.7	24.8
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	*6885.00	96.2 PK			3.65 V	303	85.0	11.2
2	*6885.00	83.8 AV			3.65 V	303	72.6	11.2
3	#13770.00	53.0 PK	88.2	-35.2	3.22 V	265	28.2	24.8
4	#13770.00	38.0 AV	68.2	-30.2	3.22 V	265	13.2	24.8

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 211 : 7005 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7005.00	98.7 PK			1.67 H	169	86.7	12.0
2	*7005.00	86.0 AV			1.67 H	169	74.0	12.0
3	#14010.00	54.3 PK	88.2	-33.9	1.32 H	1	28.4	25.9
4	#14010.00	39.3 AV	68.2	-28.9	1.32 H	1	13.4	25.9
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	*7005.00	96.0 PK			1.44 V	78	84.0	12.0
2	*7005.00	83.6 AV			1.44 V	78	71.6	12.0
3	#14010.00	52.8 PK	88.2	-35.4	1.01 V	40	26.9	25.9
4	#14010.00	37.8 AV	68.2	-30.4	1.01 V	40	11.9	25.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 227 : 7085 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7085.00	99.6 PK			1.50 H	29	87.3	12.3
2	*7085.00	86.9 AV			1.50 H	29	74.6	12.3
3	#7125.00	66.4 PK	88.2	-21.8	1.50 H	29	53.8	12.6
4	#7125.00	53.2 AV	68.2	-15.0	1.50 H	29	40.6	12.6
5	#14170.00	55.2 PK	88.2	-33.0	1.15 H	221	29.1	26.1
6	#14170.00	40.2 AV	68.2	-28.0	1.15 H	221	14.1	26.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7085.00	96.9 PK			1.27 V	298	84.6	12.3
2	*7085.00	83.5 AV			1.27 V	298	71.2	12.3
3	#7125.00	66.0 PK	88.2	-22.2	1.27 V	298	53.4	12.6
4	#7125.00	52.8 AV	68.2	-15.4	1.27 V	298	40.2	12.6
5	#14170.00	53.7 PK	88.2	-34.5	1.18 V	260	27.6	26.1
6	#14170.00	38.7 AV	68.2	-29.5	1.18 V	260	12.6	26.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 7 : 5985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	63.6 PK	88.2	-24.6	2.08 H	215	54.5	9.1
2	#5925.00	50.3 AV	68.2	-17.9	2.08 H	215	41.2	9.1
3	*5985.00	103.1 PK			2.08 H	215	93.8	9.3
4	*5985.00	90.1 AV			2.08 H	215	80.8	9.3
5	11970.00	58.8 PK	74.0	-15.2	1.73 H	47	38.2	20.6
6	11970.00	43.5 AV	54.0	-10.5	1.73 H	47	22.9	20.6
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	#5925.00	63.2 PK	88.2	-25.0	2.55 V	124	54.1	9.1
2	#5925.00	49.9 AV	68.2	-18.3	2.55 V	124	40.8	9.1
3	*5985.00	100.5 PK			2.55 V	124	91.2	9.3
4	*5985.00	87.8 AV			2.55 V	124	78.5	9.3
5	11970.00	57.3 PK	74.0	-16.7	2.12 V	45	36.7	20.6
6	11970.00	42.0 AV	54.0	-12.0	2.12 V	45	21.4	20.6

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 39 : 6145 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6145.00	101.2 PK			3.84 H	232	91.4	9.8
2	*6145.00	88.2 AV			3.84 H	232	78.4	9.8
3	12290.00	56.9 PK	74.0	-17.1	3.49 H	64	37.2	19.7
4	12290.00	41.6 AV	54.0	-12.4	3.49 H	64	21.9	19.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6145.00	98.6 PK			3.69 V	141	88.8	9.8
2	*6145.00	85.9 AV			3.69 V	141	76.1	9.8
3	12290.00	55.4 PK	74.0	-18.6	3.26 V	62	35.7	19.7
4	12290.00	40.1 AV	54.0	-13.9	3.26 V	62	20.4	19.7

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 87 : 6385 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6385.00	100.2 PK			1.40 H	61	90.6	9.6
2	*6385.00	87.2 AV			1.40 H	61	77.6	9.6
3	#12770.00	55.9 PK	88.2	-32.3	1.05 H	253	34.1	21.8
4	#12770.00	40.6 AV	68.2	-27.6	1.05 H	253	18.8	21.8
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	*6385.00	97.6 PK			1.25 V	312	88.0	9.6
2	*6385.00	84.9 AV			1.25 V	312	75.3	9.6
3	#12770.00	54.4 PK	88.2	-33.8	1.18 V	233	32.6	21.8
4	#12770.00	39.1 AV	68.2	-29.1	1.18 V	233	17.3	21.8

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 103 : 6465 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6465.00	99.6 PK			1.76 H	245	89.5	10.1
2	*6465.00	86.6 AV			1.76 H	245	76.5	10.1
3	#12930.00	55.3 PK	88.2	-32.9	1.41 H	77	33.6	21.7
4	#12930.00	40.0 AV	68.2	-28.2	1.41 H	77	18.3	21.7
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	*6465.00	97.0 PK			1.61 V	136	86.9	10.1
2	*6465.00	84.3 AV			1.61 V	136	74.2	10.1
3	#12930.00	53.8 PK	88.2	-34.4	1.54 V	57	32.1	21.7
4	#12930.00	38.5 AV	68.2	-29.7	1.54 V	57	16.8	21.7

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 119 : 6545 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6545.00	100.4 PK			2.60 H	214	90.1	10.3
2	*6545.00	87.4 AV			2.60 H	214	77.1	10.3
3	#13090.00	56.1 PK	88.2	-32.1	2.25 H	46	33.9	22.2
4	#13090.00	40.8 AV	68.2	-27.4	2.25 H	46	18.6	22.2
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	*6545.00	97.8 PK			2.45 V	105	87.5	10.3
2	*6545.00	85.1 AV			2.45 V	105	74.8	10.3
3	#13090.00	54.6 PK	88.2	-33.6	2.38 V	26	32.4	22.2
4	#13090.00	39.3 AV	68.2	-28.9	2.38 V	26	17.1	22.2

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 151 : 6705 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6705.00	100.6 PK			1.81 H	168	89.6	11.0
2	*6705.00	87.6 AV			1.81 H	168	76.6	11.0
3	#13410.00	56.3 PK	88.2	-31.9	1.46 H	0	31.7	24.6
4	#13410.00	41.0 AV	68.2	-27.2	1.46 H	0	16.4	24.6
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	*6705.00	98.0 PK			1.66 V	59	87.0	11.0
2	*6705.00	85.3 AV			1.66 V	59	74.3	11.0
3	#13410.00	54.8 PK	88.2	-33.4	1.50 V	340	30.2	24.6
4	#13410.00	39.5 AV	68.2	-28.7	1.50 V	340	14.9	24.6

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 183 : 6865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6865.00	100.8 PK			1.85 H	175	89.8	11.0
2	*6865.00	87.8 AV			1.85 H	175	76.8	11.0
3	#13730.00	56.5 PK	88.2	-31.7	1.50 H	7	31.9	24.6
4	#13730.00	41.2 AV	68.2	-27.0	1.50 H	7	16.6	24.6
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	*6865.00	98.2 PK			1.70 V	66	87.2	11.0
2	*6865.00	85.5 AV			1.70 V	66	74.5	11.0
3	#13730.00	55.0 PK	88.2	-33.2	1.54 V	347	30.4	24.6
4	#13730.00	39.7 AV	68.2	-28.5	1.54 V	347	15.1	24.6

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 199 : 6945 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6945.00	99.0 PK			1.33 H	235	87.5	11.5
2	*6945.00	86.0 AV			1.33 H	235	74.5	11.5
3	#13890.00	54.7 PK	88.2	-33.5	1.02 H	67	29.6	25.1
4	#13890.00	39.4 AV	68.2	-28.8	1.02 H	67	14.3	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6945.00	96.4 PK			1.18 V	126	84.9	11.5
2	*6945.00	83.7 AV			1.18 V	126	72.2	11.5
3	#13890.00	53.2 PK	88.2	-35.0	1.02 V	47	28.1	25.1
4	#13890.00	37.9 AV	68.2	-30.3	1.02 V	47	12.8	25.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 215 : 7025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.4 °C, 75.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7025.00	99.5 PK			1.60 H	44	87.5	12.0
2	*7025.00	86.5 AV			1.60 H	44	74.5	12.0
3	#7125.00	66.1 PK	88.2	-22.1	1.60 H	44	53.5	12.6
4	#7125.00	53.3 AV	68.2	-14.9	1.60 H	44	40.7	12.6
5	#14050.00	55.1 PK	88.2	-33.1	1.29 H	258	29.3	25.8
6	#14050.00	40.1 AV	68.2	-28.1	1.29 H	258	14.3	25.8
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	*7025.00	96.9 PK			1.45 V	317	84.9	12.0
2	*7025.00	84.2 AV			1.45 V	317	72.2	12.0
3	#7125.00	65.7 PK	88.2	-22.5	1.45 V	317	53.1	12.6
4	#7125.00	52.9 AV	68.2	-15.3	1.45 V	317	40.3	12.6
5	#14050.00	53.7 PK	88.2	-34.5	1.29 V	238	27.9	25.8
6	#14050.00	38.4 AV	68.2	-29.8	1.29 V	238	12.6	25.8

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 15 : 6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	63.7 PK	88.2	-24.5	2.05 H	213	54.6	9.1
2	#5925.00	50.8 AV	68.2	-17.4	2.05 H	213	41.7	9.1
3	*6025.00	100.1 PK			2.05 H	213	90.8	9.3
4	*6025.00	89.3 AV			2.05 H	213	80.0	9.3
5	12050.00	58.0 PK	74.0	-16.0	1.70 H	45	37.8	20.2
6	12050.00	42.7 AV	54.0	-11.3	1.70 H	45	22.5	20.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	63.3 PK	88.2	-24.9	2.52 V	122	54.2	9.1
2	#5925.00	50.4 AV	68.2	-17.8	2.52 V	122	41.3	9.1
3	*6025.00	97.5 PK			2.52 V	122	88.2	9.3
4	*6025.00	87.0 AV			2.52 V	122	77.7	9.3
5	12050.00	56.5 PK	74.0	-17.5	2.09 V	43	36.3	20.2
6	12050.00	41.2 AV	54.0	-12.8	2.09 V	43	21.0	20.2

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6185.00	98.4 PK			1.26 H	57	88.5	9.9
2	*6185.00	87.6 AV			1.26 H	57	77.7	9.9
3	12370.00	56.3 PK	74.0	-17.7	1.09 H	201	36.4	19.9
4	12370.00	41.0 AV	54.0	-13.0	1.09 H	201	21.1	19.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6185.00	95.8 PK			1.73 V	326	85.9	9.9
2	*6185.00	85.3 AV			1.73 V	326	75.4	9.9
3	12370.00	54.8 PK	74.0	-19.2	1.30 V	247	34.9	19.9
4	12370.00	39.5 AV	54.0	-14.5	1.30 V	247	19.6	19.9

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6345.00	98.8 PK			1.24 H	57	89.1	9.7
2	*6345.00	88.0 AV			1.24 H	57	78.3	9.7
3	12690.00	56.7 PK	74.0	-17.3	1.07 H	201	35.2	21.5
4	12690.00	41.4 AV	54.0	-12.6	1.07 H	201	19.9	21.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6345.00	96.2 PK			1.71 V	326	86.5	9.7
2	*6345.00	85.7 AV			1.71 V	326	76.0	9.7
3	12690.00	55.2 PK	74.0	-18.8	1.28 V	247	33.7	21.5
4	12690.00	39.9 AV	54.0	-14.1	1.28 V	247	18.4	21.5

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6505.00	97.5 PK			1.71 H	244	87.3	10.2
2	*6505.00	86.7 AV			1.71 H	244	76.5	10.2
3	#13010.00	55.4 PK	88.2	-32.8	1.54 H	28	33.3	22.1
4	#13010.00	40.1 AV	68.2	-28.1	1.54 H	28	18.0	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6505.00	94.9 PK			2.18 V	153	84.7	10.2
2	*6505.00	84.4 AV			2.18 V	153	74.2	10.2
3	#13010.00	53.9 PK	88.2	-34.3	1.75 V	74	31.8	22.1
4	#13010.00	38.6 AV	68.2	-29.6	1.75 V	74	16.5	22.1

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6665.00	98.0 PK			1.69 H	166	87.4	10.6
2	*6665.00	87.2 AV			1.69 H	166	76.6	10.6
3	13330.00	55.9 PK	74.0	-18.1	1.52 H	338	31.8	24.1
4	13330.00	40.6 AV	54.0	-13.4	1.52 H	338	16.5	24.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6665.00	95.4 PK			2.16 V	75	84.8	10.6
2	*6665.00	84.9 AV			2.16 V	75	74.3	10.6
3	13330.00	54.4 PK	74.0	-19.6	1.73 V	356	30.3	24.1
4	13330.00	39.1 AV	54.0	-14.9	1.73 V	356	15.0	24.1

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6825.00	98.5 PK			1.84 H	176	87.5	11.0
2	*6825.00	87.7 AV			1.84 H	176	76.7	11.0
3	#13650.00	56.4 PK	88.2	-31.8	1.67 H	348	31.9	24.5
4	#13650.00	41.1 AV	68.2	-27.1	1.67 H	348	16.6	24.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6825.00	95.9 PK			2.31 V	85	84.9	11.0
2	*6825.00	85.4 AV			2.31 V	85	74.4	11.0
3	#13650.00	54.9 PK	88.2	-33.3	1.88 V	6	30.4	24.5
4	#13650.00	39.6 AV	68.2	-28.6	1.88 V	6	15.1	24.5

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

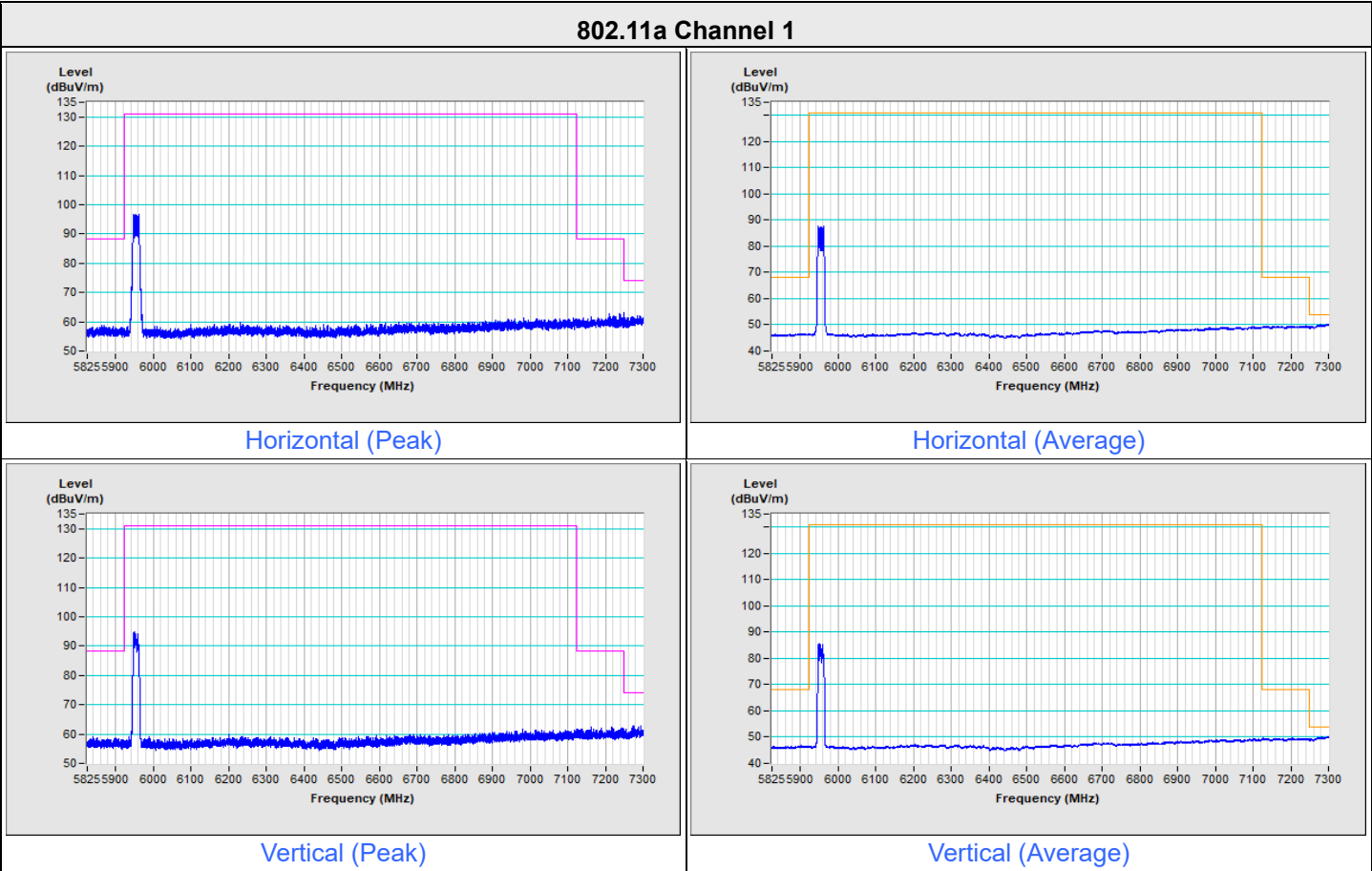
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6985.00	97.2 PK			1.55 H	40	85.3	11.9
2	*6985.00	86.4 AV			1.55 H	40	74.5	11.9
3	#7125.00	66.6 PK	88.2	-21.6	1.55 H	40	54.0	12.6
4	#7125.00	53.3 AV	68.2	-14.9	1.55 H	40	40.7	12.6
5	#13970.00	55.1 PK	88.2	-33.1	1.38 H	212	29.4	25.7
6	#13970.00	39.8 AV	68.2	-28.4	1.38 H	212	14.1	25.7
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	*6985.00	94.6 PK			2.02 V	51	82.7	11.9
2	*6985.00	84.1 AV			2.02 V	51	72.2	11.9
3	#7125.00	66.2 PK	88.2	-22.0	2.02 V	51	53.6	12.6
4	#7125.00	52.9 AV	68.2	-15.3	2.02 V	51	40.3	12.6
5	#13970.00	53.6 PK	88.2	-34.6	1.59 V	332	27.9	25.7
6	#13970.00	38.3 AV	68.2	-29.9	1.59 V	332	12.6	25.7

Remarks:

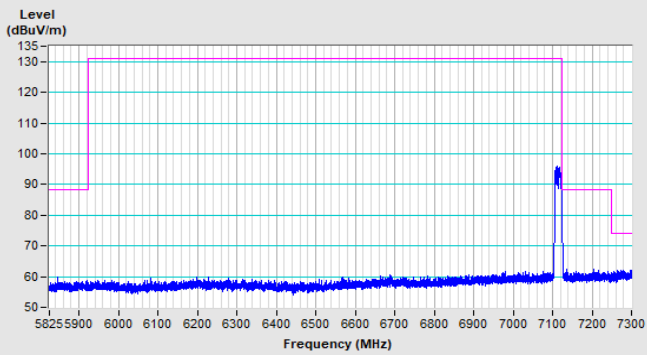
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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

Plot of Band Edge

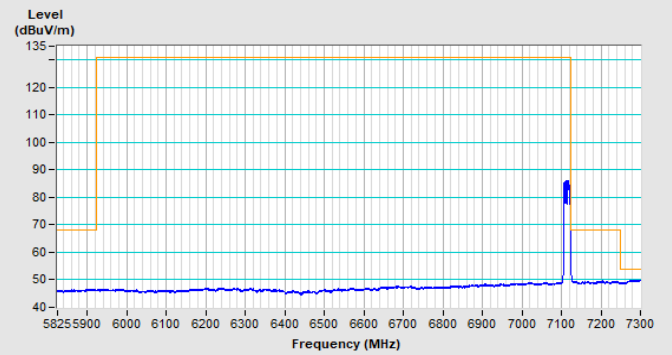
Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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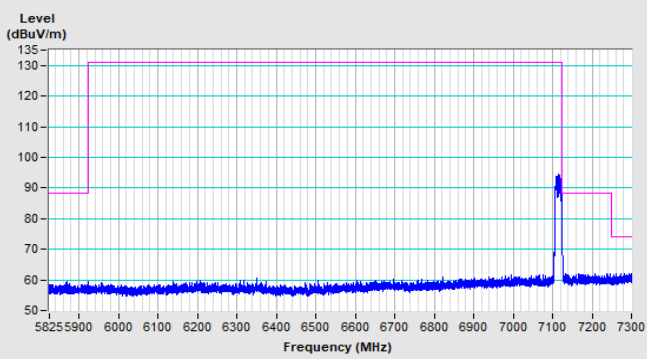
802.11a Channel 233



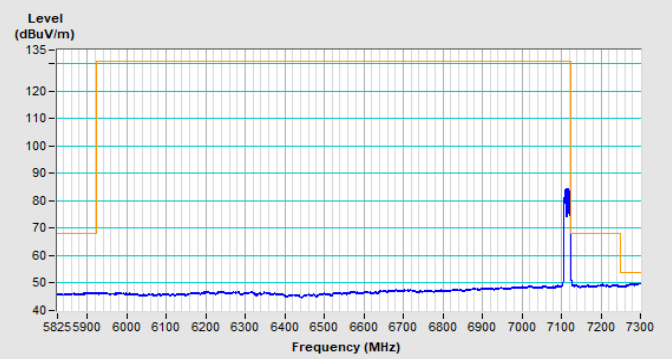
Horizontal (Peak)



Horizontal (Average)



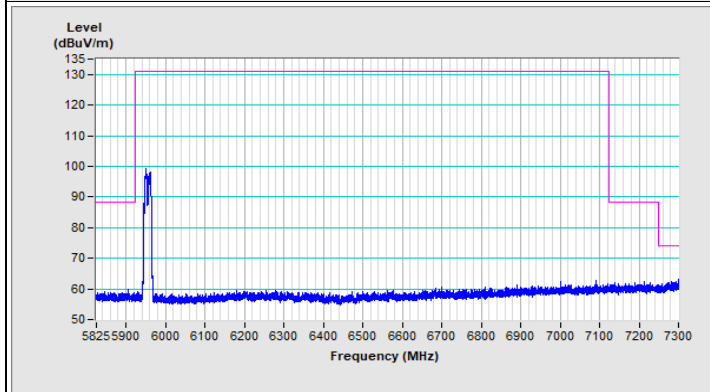
Vertical (Peak)



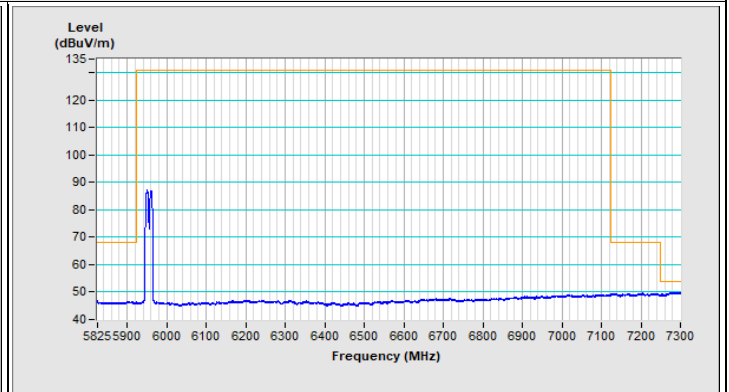
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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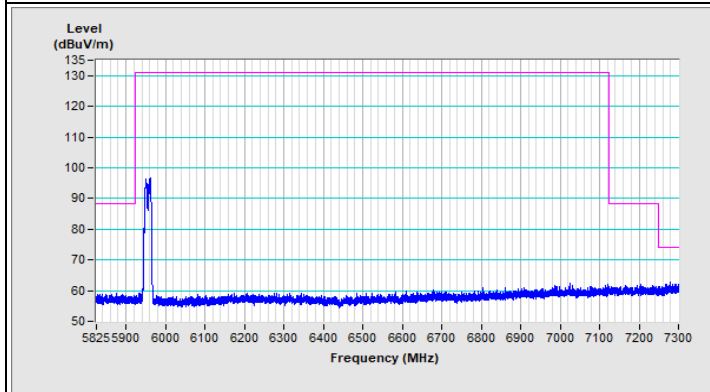
802.11ax (HE20) Channel 1



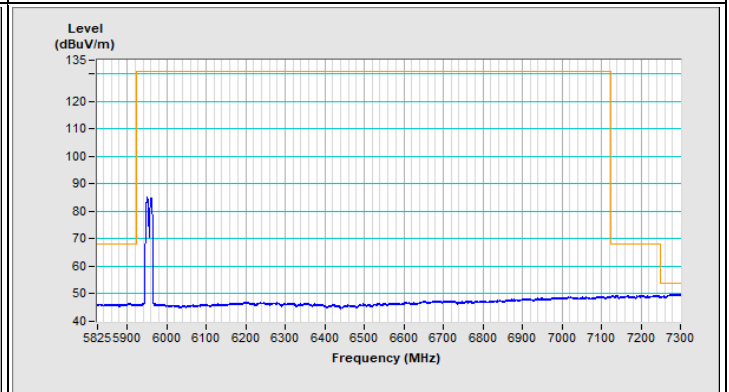
Horizontal (Peak)



Horizontal (Average)

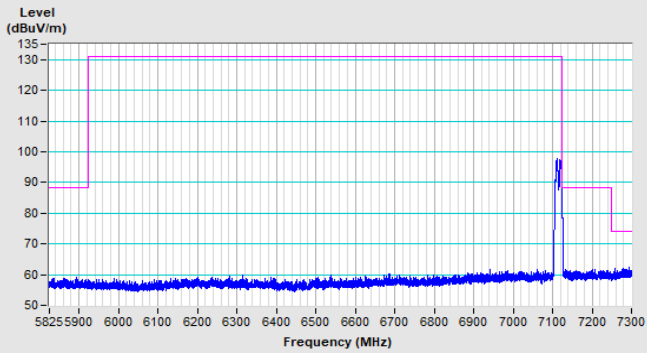


Vertical (Peak)

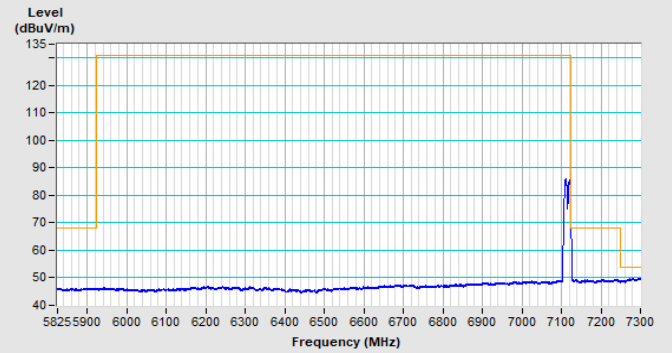


Vertical (Average)

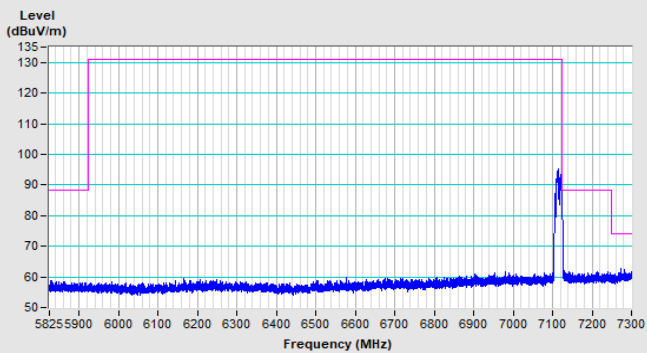
802.11ax (HE20) Channel 233



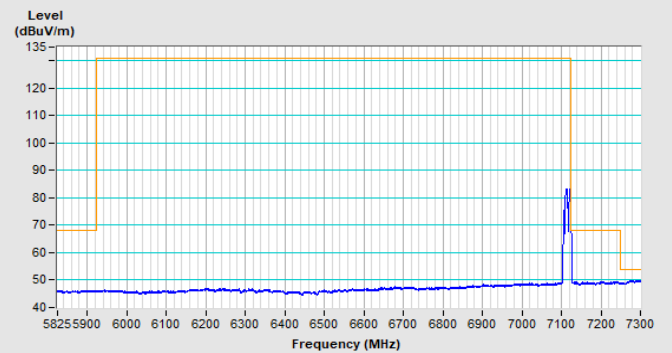
Horizontal (Peak)



Horizontal (Average)

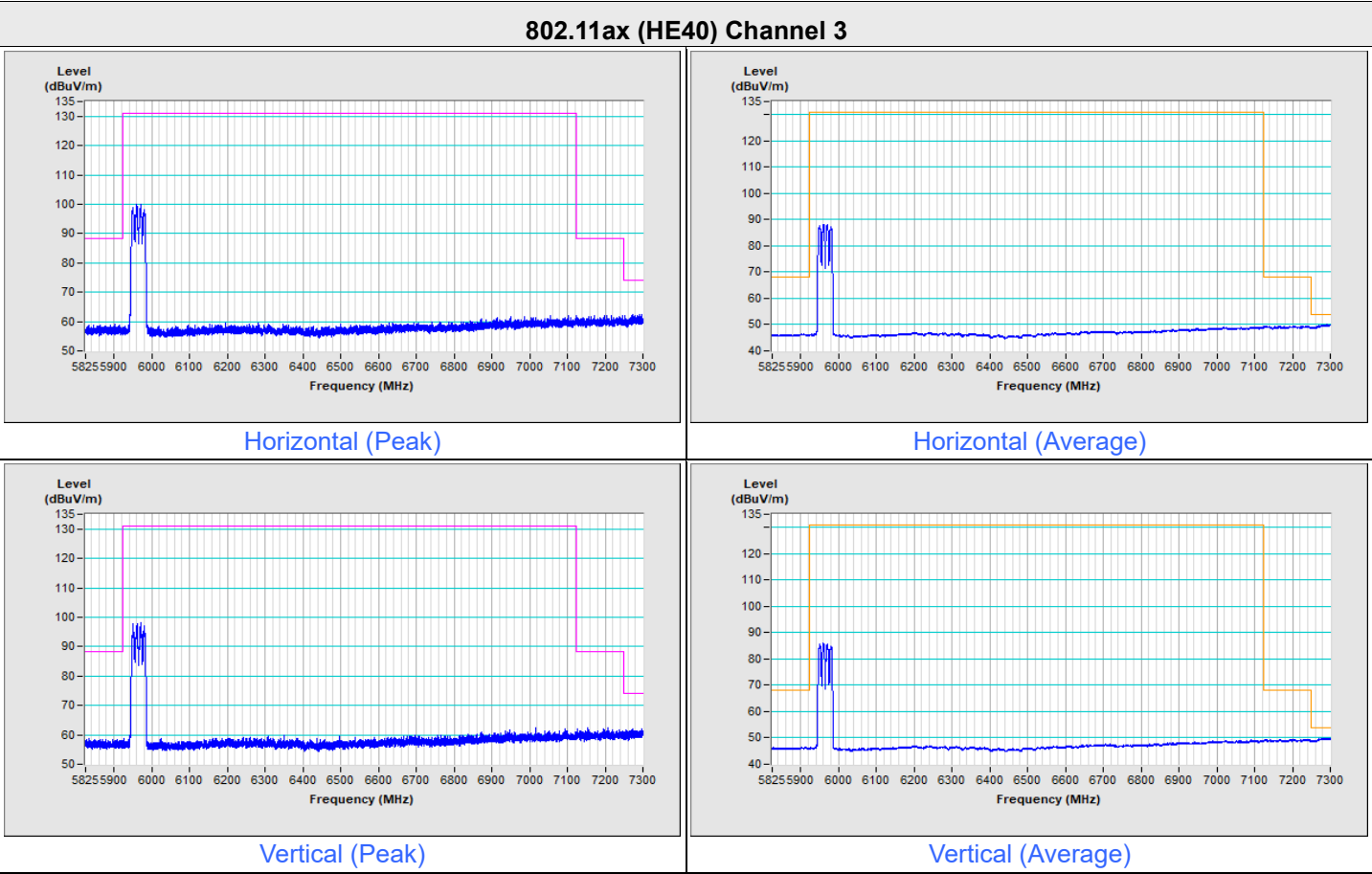


Vertical (Peak)

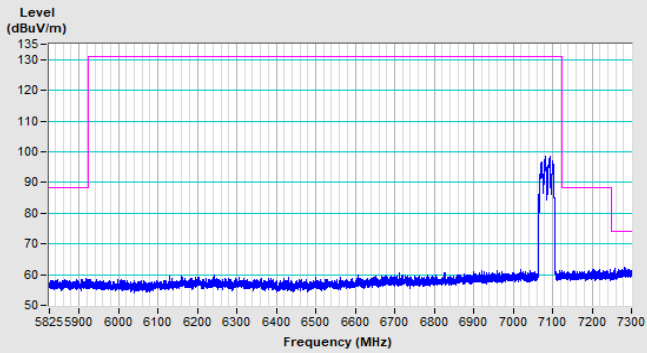


Vertical (Average)

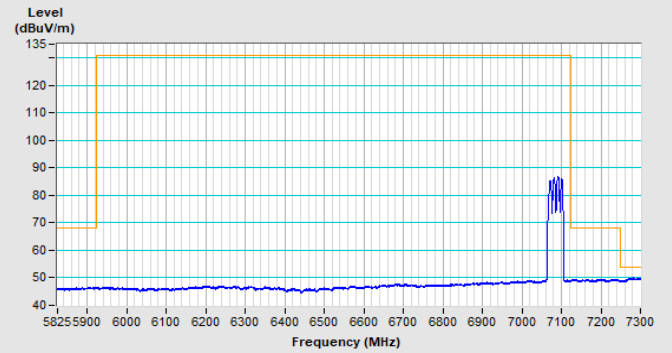
Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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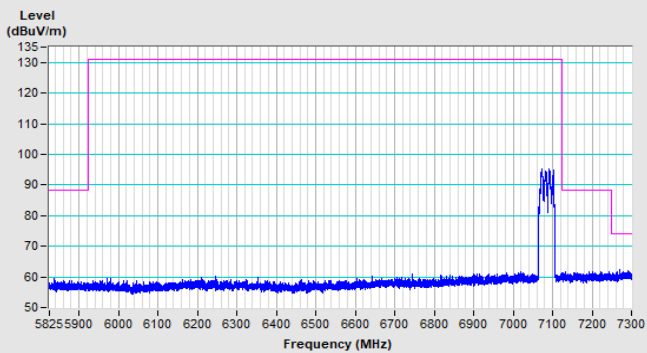
802.11ax (HE40) Channel 227



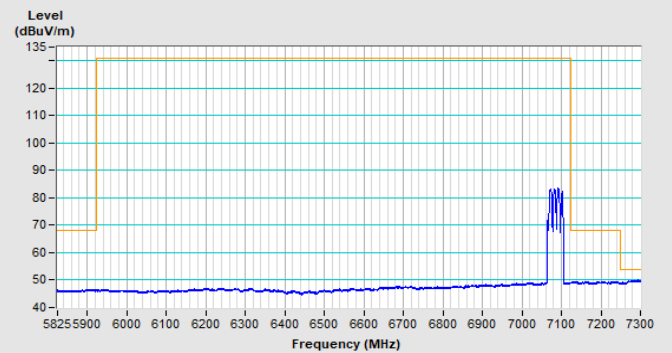
Horizontal (Peak)



Horizontal (Average)

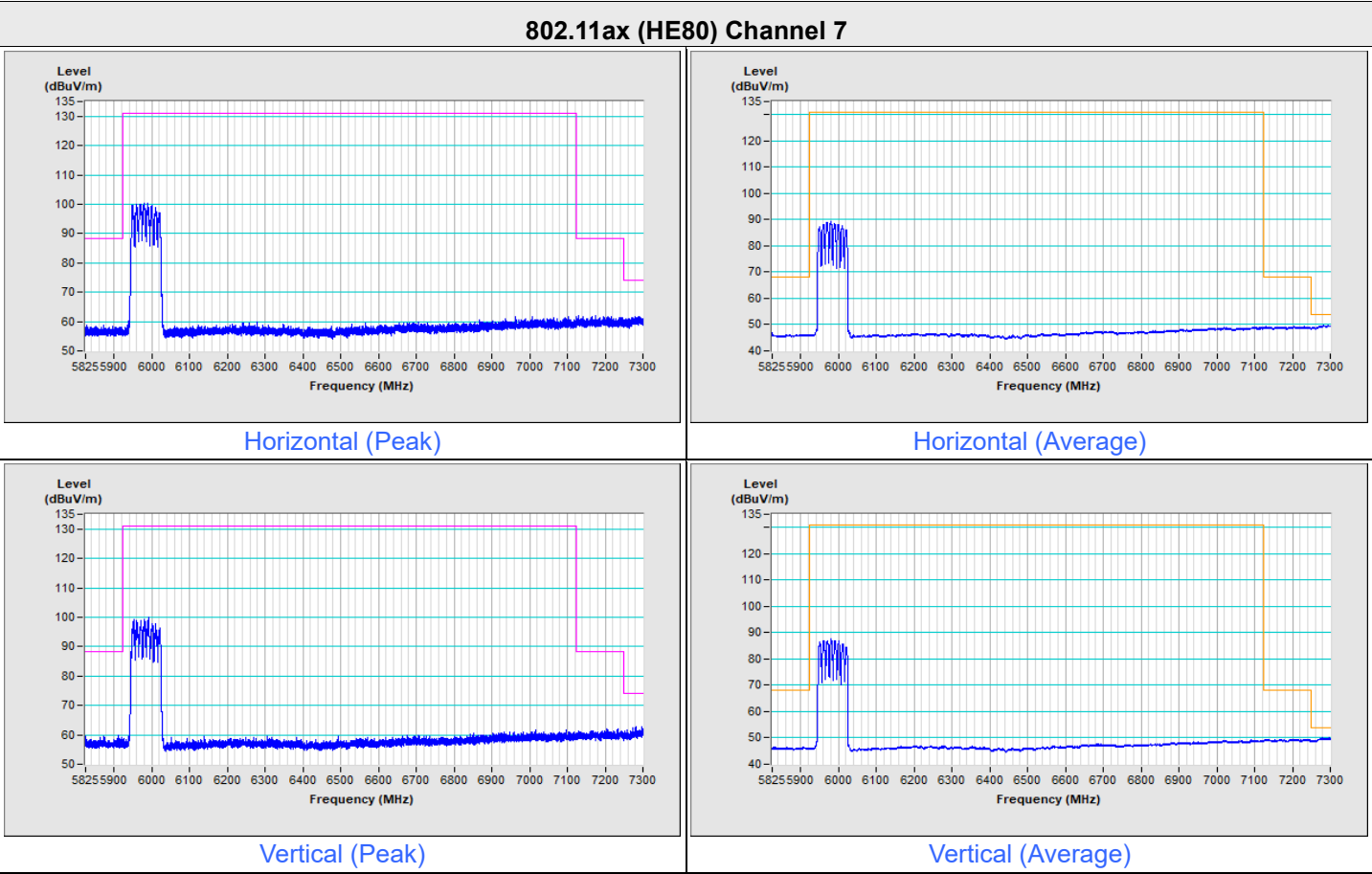


Vertical (Peak)

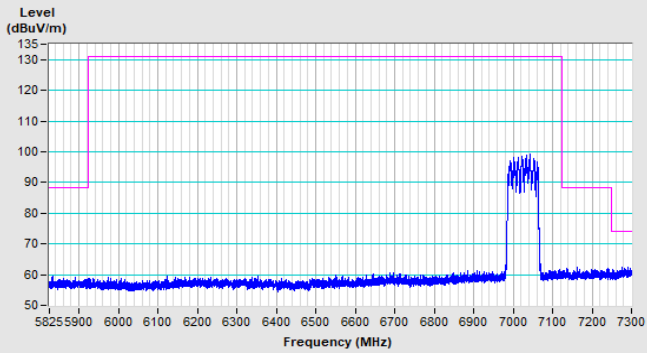


Vertical (Average)

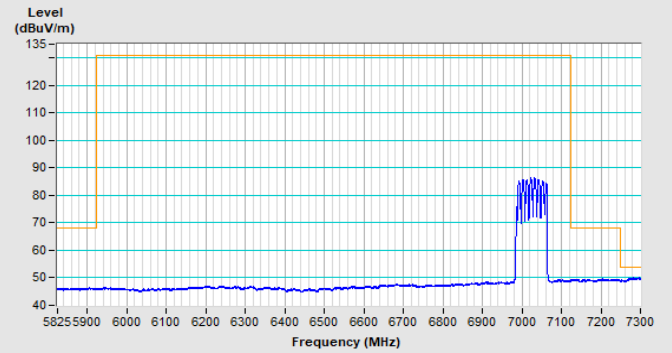
Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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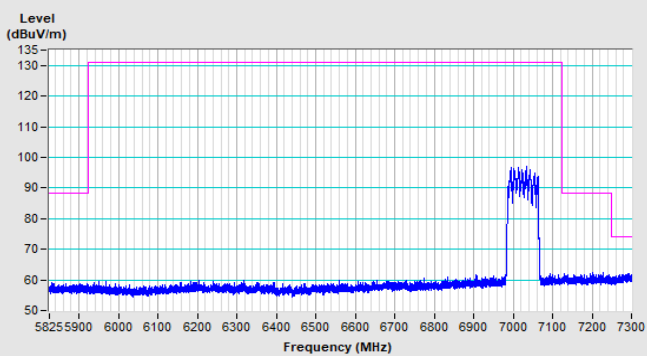
802.11ax (HE80) Channel 215



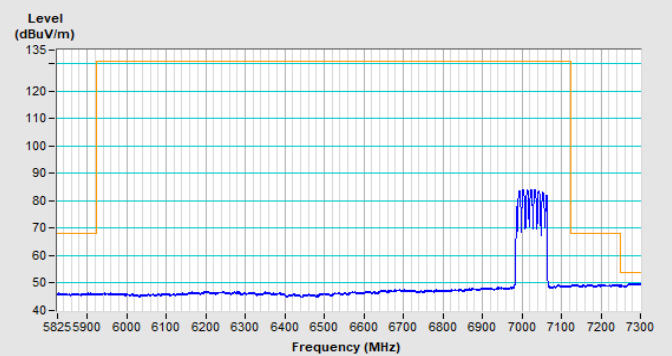
Horizontal (Peak)



Horizontal (Average)



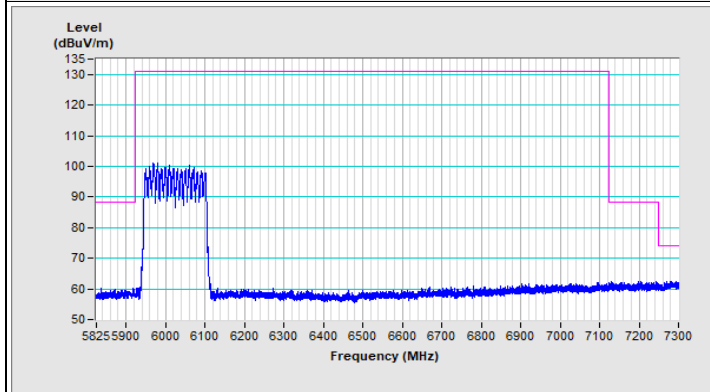
Vertical (Peak)



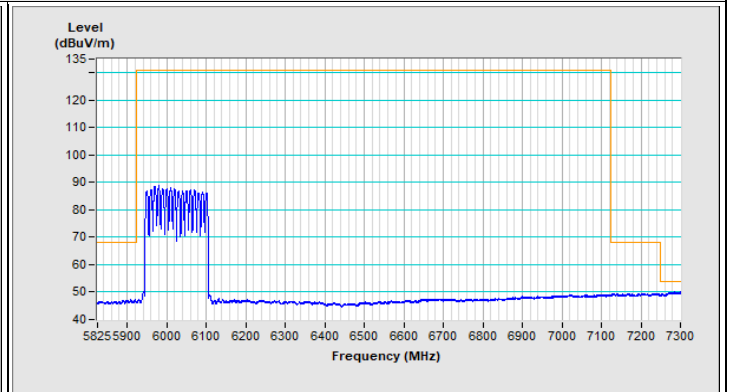
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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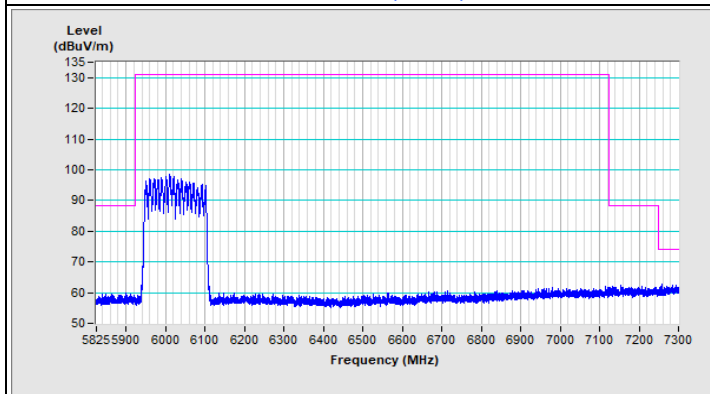
802.11ax (HE160) Channel 15



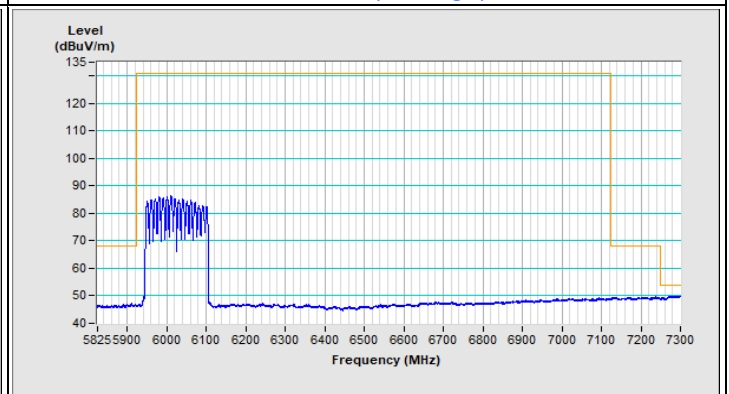
Horizontal (Peak)



Horizontal (Average)

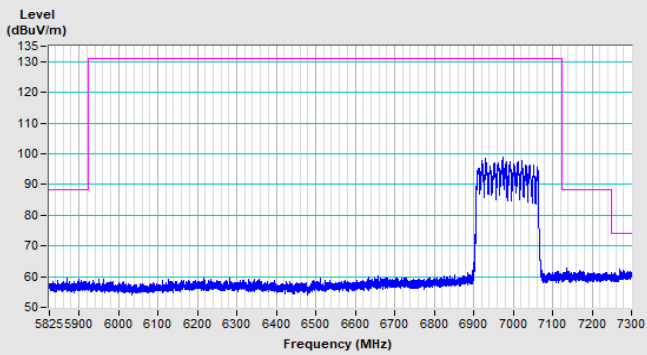


Vertical (Peak)

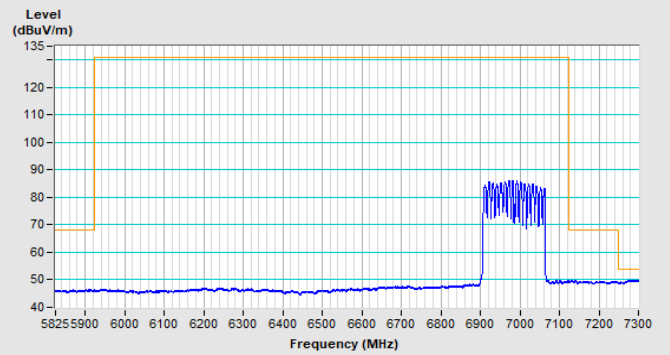


Vertical (Average)

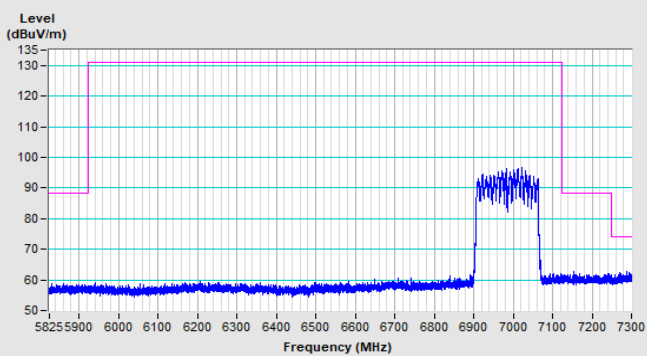
802.11ax (HE160) Channel 207



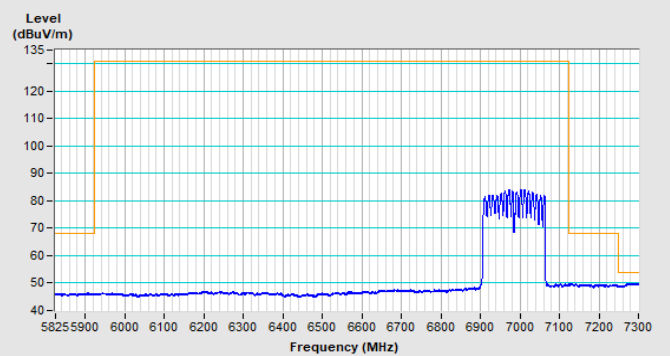
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

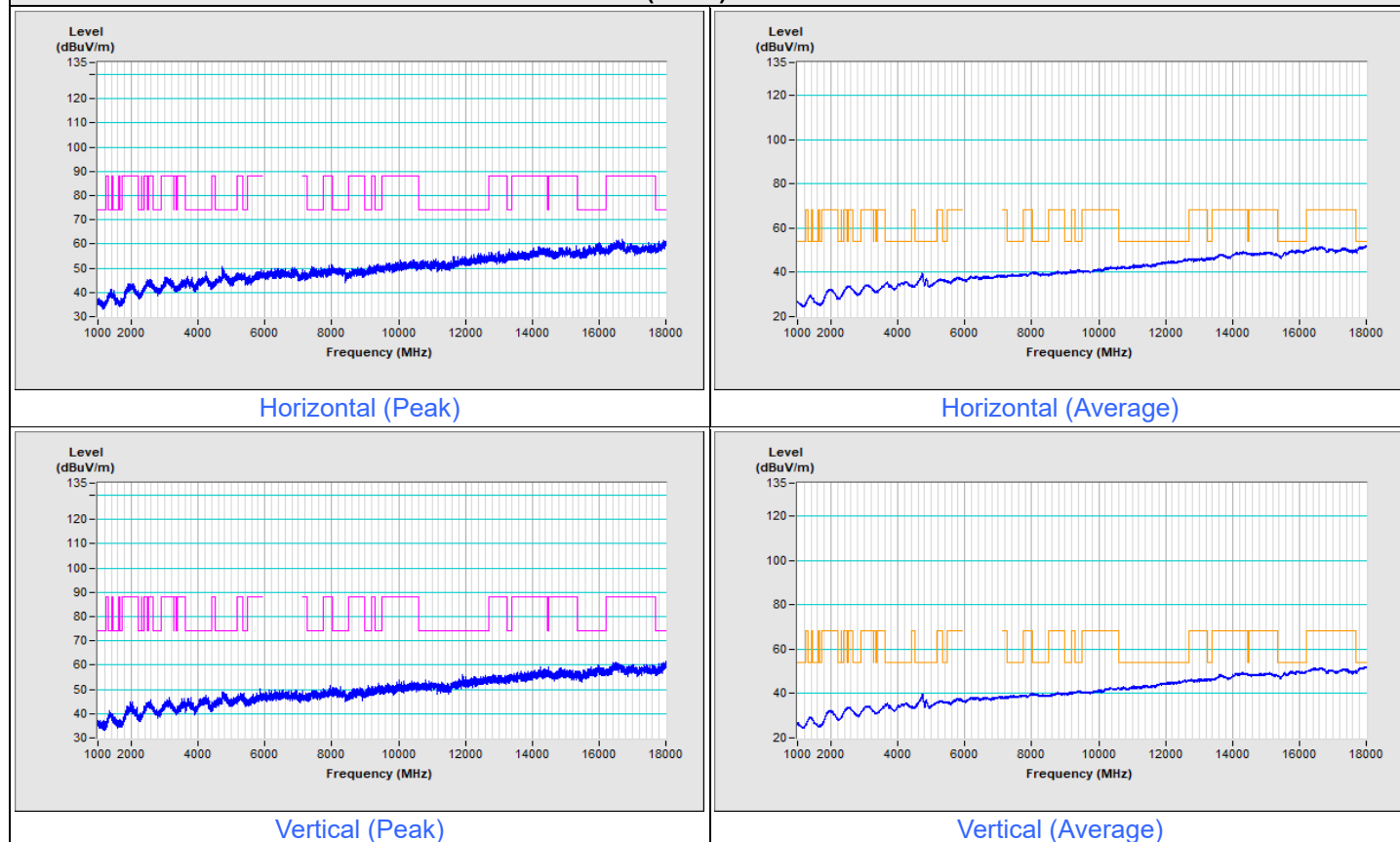


Vertical (Average)

Plot of Other Emission

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE20) Channel 233



Notes:

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

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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