

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFCDVB-WTW-P26050416-5

FCC ID: QYLWCN6856M61

Product: Tablet

Brand: Getac

Model No.: MX60, MX60W, MX60Y (Y=Characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_ " or blank for marketing purpose)

Received Date: 2026/5/20

Test Date: 2026/7/8 ~ 2026/8/12

Issued Date: 2026/9/9

Applicant: Getac Technology Corporation.

Address: 5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City 115018, Taiwan, R.O.C.

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

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City 244, Taiwan

Test Location(1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 333, Taiwan

Test Location(2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan

FCC Registration / 788550 / TW0003 for Test Location(1)

Designation Number: 281270 / TW0032 for Test Location(2)

Approved by: Jeremy Lin, **Date:** 2026/9/9
Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFCDVB-WTW-P26050416-5	Original release.	2026/9/9

1 Certificate

Product: Tablet

Brand: Getac

Test Model: MX60, MX60W, MX60Y (Y=Characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_ " or blank for marketing purpose)

Sample Status: Engineering sample

Applicant: Getac Technology Corporation.

Test Date: 2026/7/8 ~ 2026/8/12

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 -18.08 dB at 0.15400 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -10.3 dB at 938.89 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.5 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 MHF1, Chip Antenna 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:

Parameter	Specification	Expanded Uncertainty (k=2) (±)
Maximum RF Output Power	-	1.2 dB
Emission Bandwidth	-	1050.00 Hz
In-Band Emission Mask	9 kHz ~ 40 GHz	2.6 dB
Occupied Bandwidth	-	1050.00 Hz
Contention-based Protocol	-	1.4 dB
AC Power Conducted Emissions	9 kHz ~ 30 MHz	3.23 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.92 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Tablet
Brand	Getac
Test Model	MX60, MX60W, MX60Y (Y=Characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_ " or blank for marketing purpose)
Model Difference	marketing purpose
Status of EUT	Engineering sample
Power Supply Rating	Refer to Note
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 802.11ax 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	Single RU
Channel Puncturing	Not support
Output Power	5.955 GHz ~ 6.415 GHz: EIRP: 59.597 mW (17.75 dBm) 6.435 GHz ~ 6.525 GHz: EIRP: 43.064 mW (16.34 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 44.043 mW (16.44 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 39.054 mW (15.92 dBm)
Equipment Class	6XD: 15E 6 GHz Low-power Indoor client

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
Battery	Getac	BP1S1P4990B-2	Power Rating: 3.88Vdc, 4870mAh, 18.90Wh Typical Capacity: 4990mAh, 19.37Wh
AC Adapter 1	Chicony	A20-065N3A	AC Input: 100-240V~ 50-60Hz, 1.6A DC Output: 5V, 3A, 15W/9V, 3A/12V, 3A/15V, 3A/20V, 3.25A 65W
AC Adapter 2	FSP	FSP065-A1BR3	AC Input: 100-240V~50-60Hz, 1.7A DC Output: 5V, 3A, 15W/9V, 3A, 27W/12V, 3A 36W/15V, 3A, 45W/20V, 3.25A, 65W
Touch Pen (Optional)	Getac	340GA8900001	-

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

3. Simultaneously transmission combination.

Combination	Technology	
1	WLAN (2.4G) Ant0	WLAN (5G) Ant1
2	WLAN (2.4G) Ant1	WLAN (5G) Ant0
3	WLAN (2.4G) Ant0	BT Ant1
4	WLAN (2.4G) Ant1	BT Ant0
5	WLAN (5G) Ant0	BT Ant1
6	WLAN (5G) Ant1	BT Ant0
7	WLAN (6G) Ant0	BT Ant1
8	WLAN (6G) Ant1	BT Ant0

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

4. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
5. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
6. 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.	1	2
Antenna Type	IFA	IFA
Connector Type	IPEX MHF1	NA
Brand	Getac	Getac
Model	340GC6300001	313002000684
Frequency Range	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)
2.4~2.4835GHz	2.09	3.17
5.15~5.25GHz	3.19	1.48
5.25~5.35GHz	3.67	1.5
5.47~5.725GHz	4.54	2.45
5.725~5.85GHz	1.95	2.77
5.925~6.425GHz	0.47	2.29
6.425~6.525GHz	0.51	1.01
6.525~6.875GHz	0.96	0.43
6.875~7.125GHz	0.8	0.67

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

Wi-Fi 6G minimum Gain (dBi)	-0.74
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*For CBP test.

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
802.11ax (RU26/52/106/242/484/996/2x996)	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:	1. EUT can be used in the following ways: X-axis/Y-axis/Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT can be used in the following ways: Adapter 1/Adapter 2. Pre-scan these ways and find the worst case as a representative test condition. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. X-axis/Y-axis/Z-axis Worst Condition: Y-axis. 2. Adapter 1/Adapter 2 Worst Condition: Adapter 1.

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

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	802.11a	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11ax (HE20)	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11ax (HE40)	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11ax (HE80)	7, 39, 87, 103, 119, 135, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11ax (HE160)	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 0, 8, 0, 0, 8, 0, 0, 8
	802.11ax (HE20) 52-tone RU	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 37, 40, 37, 37, 40, 37, 37, 40
	802.11ax (HE20) 106-tone RU	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 53, 54, 53, 53, 54, 53, 53, 54,
	802.11ax (HE20) 242-tone RU	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	61, 61, 61, 61, 61, 61, 61, 61, 61, 61, 61, 61
	802.11ax (HE40) 484-tone RU	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	65, 65, 65, 65, 65, 65, 65, 65, 65, 65, 65, 65
	802.11ax (HE80) 996-tone RU	7, 39, 87, 103, 119, 135, 151, 183, 199, 215	BPSK	MCS0	67, 67, 67, 67, 67, 67, 67, 67, 67
	802.11ax (HE160) 2x996-tone RU	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	68, 68, 68, 68, 68, 68, 68
Power Spectral Density / Emission Bandwidth / In-Band Emission Mask / Occupied Bandwidth	802.11a	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11ax (HE20)	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11ax (HE40)	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11ax (HE80)	7, 39, 87, 103, 119, 135, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11ax (HE160)	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 0, 8, 0, 0, 8, 0, 0, 8
	802.11ax (HE20) 52-tone RU	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 37, 40, 37, 37, 40, 37, 37, 40
	802.11ax (HE20) 106-tone RU	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 53, 54, 53, 53, 54, 53, 53, 54,

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Frequency Stability	802.11a	1	un-modulation	-	-
Contention-based Protocol	802.11ax (HE20)	45, 105, 149, 209	BPSK	MCS0	NA
	802.11ax (HE160)	47, 111, 143, 207	BPSK	MCS0	NA
AC Power Conducted Emissions	802.11ax (HE160)	15	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	802.11ax (HE160)	15	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	802.11a	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11ax (HE20)	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11ax (HE40)	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11ax (HE80)	7, 39, 87, 103, 119, 135, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11ax (HE160)	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 8, 0, 8, 0, 8, 0, 8
	802.11ax (HE20) 52-tone RU	1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 40, 37, 40, 37, 40, 37, 40
	802.11ax (HE20) 106-tone RU	1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 54, 53, 54, 53, 54, 53, 54
EUT Configure Mode:	2TX				

3.5 Duty Cycle of Test Signal

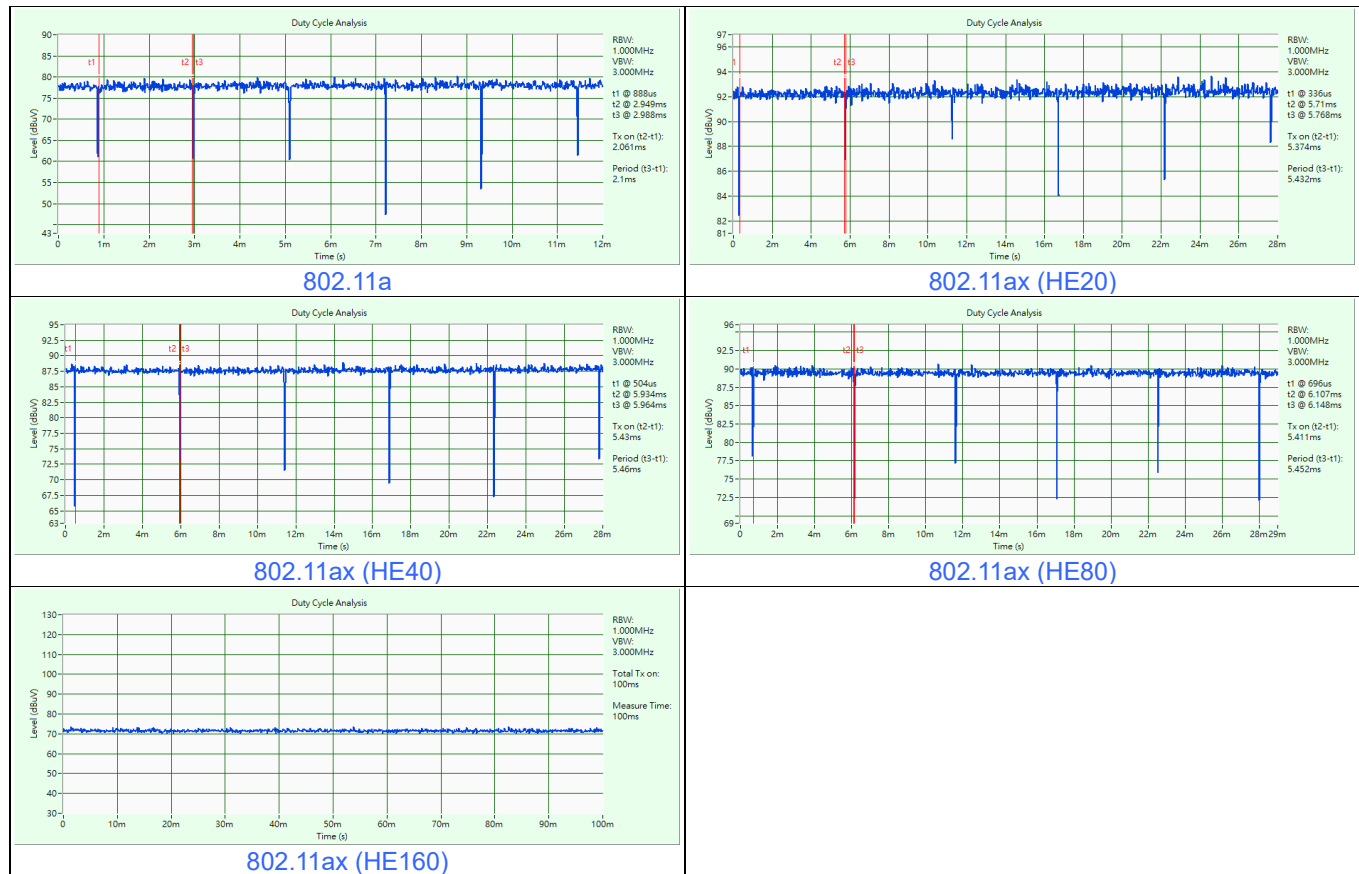
802.11a: Duty cycle = 2.061 ms / 2.1 ms x 100% = 98.1%

802.11ax (HE20) / 802.11ax (HE20) 26/52/106-tone: Duty cycle = 5.374 ms / 5.432 ms x 100% = 98.9%

802.11ax (HE40): Duty cycle = 5.43 ms / 5.46 ms x 100% = 99.5%

802.11ax (HE80): Duty cycle = 5.411 ms / 5.452 ms x 100% = 99.2%

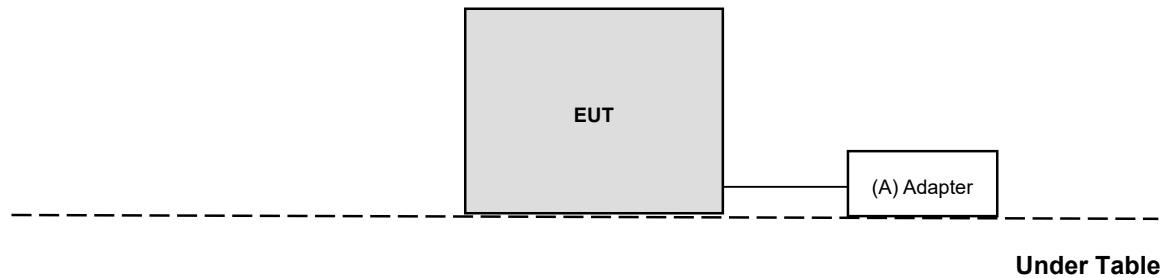
802.11ax (HE160): Duty cycle = 100 ms / 100 ms x 100% = 100.0%



3.6 Test Program Used and Operation Descriptions

Controlling software (QRCT4 Version 4.0.197.1) 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	chicony	A20-065N3A	N/A	NA	Supplied by applicant

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	2025/5/23 2026/5/21	2026/5/22 2027/5/20
Pulse Power Sensor Anritsu	MA2411B	1726434	2025/6/3 2026/6/17	2026/6/2 2027/6/16
		1911355	2026/5/5	2027/5/4
RF Power Meter Anritsu	ML2495A	0824006	2026/5/4	2027/5/3
		1529002	2025/6/3 2026/5/29	2026/6/2 2027/5/28

Notes:

1. The test was performed in HC - Oven room 1(Hsinchu) (TAF No.: 2022).
2. Tested Date: 2025/7/8 ~ 2026/8/3

4.2 Maximum Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23 2026/5/21	2026/5/22 2027/5/20
PXA Signal Analyzer Keysight	N9030A	MY54490570	2025/6/5 2026/6/11	2026/6/4 2027/6/10
		MY54490679	2025/11/19	2026/11/18
Software	ADT_RF Test Software v8.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 1(Hsinchu) (TAF No.: 2022).
2. Tested Date: 2025/7/8 ~ 2026/8/3

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	MY57301272	2026/4/8	2027/4/7
	N5182BX07(N5182BU)	MY59360204	2026/4/8	2027/4/7
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 HY - Adaptivity room(Hwaya).
2. Tested Date: 2026/8/1

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2025/12/4	2026/12/3
	E1-011280	05	2025/12/4	2026/12/3
	E1-011311	09	2025/12/4	2026/12/3
DC LISN Schwarzbeck	NNBM 8126G	8126G-069	2025/11/3	2026/11/2
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01445	2026/4/18	2027/4/17
EMI Test Receiver R&S	ESCI	100613	2025/11/27	2026/11/26
Extension Power Line EMCI	EMCI-EXP-EU-US	023	2026/3/6	2027/3/5
LISN R&S	ENV216	101826	2026/3/6	2027/3/5
	ESH3-Z5	100311	2025/8/28	2026/8/27
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2026/1/3	2027/1/2
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2025/8/27	2026/8/26

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2026/8/4

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower KaiTuo	N/A	N/A	N/A	N/A
Antenna Tower Controller KaiTuo	KT-2000	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-995	2025/9/17	2026/9/16
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Agilent	N9038A	MY52260177	2025/10/3	2026/10/2
Preamplifier EMCI	EMC330N	980783	2026/1/13	2027/1/12
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201245	2026/1/13	2027/1/12
	EMCCFD400-NM-NM-3000	201250	2026/1/13	2027/1/12
	EMCCFD400-NM-NM-9000	201252(with PAD)	2026/1/13	2027/1/12
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208675	N/A	N/A
UXA Signal Analyzer Keysight	N9040B	MY59490105	2026/1/14	2027/1/13

Notes:

1. The test was performed in WM - 966 chamber 7(Wenming).
2. Tested Date: 2026/8/5

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower KaiTuo	N/A	N/A	N/A	N/A
Antenna Tower Controller KaiTuo	KT-2000	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210104A18E	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	9170-1048	2025/11/9	2026/11/8
MXE EMI Receiver Agilent	N9038A	MY52260177	2025/10/3	2026/10/2
Preamplifier EMCI	EMC118A45SE	980810	2025/12/24	2026/12/23
	EMC184045SE	980787	2026/1/13	2027/1/12
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2026/1/13	2027/1/12
		201255	2026/1/13	2027/1/12
	EMC101G-KM-KM-5000	201261	2026/1/13	2027/1/12
	EMC104-SM-SM-1000	210101	2026/1/13	2027/1/12
	EMC104-SM-SM-3000	201242	2026/1/13	2027/1/12
	EMC104-SM-SM-9000	201230	2026/1/13	2027/1/12
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208675	N/A	N/A
UXA Signal Analyzer Keysight	N9040B	MY59490105	2026/1/14	2027/1/13

Notes:

1. The test was performed in WM - 966 chamber 7(Wenming).
2. Tested Date: 2026/8/4 ~ 2026/8/12

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) dBc ^{*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)

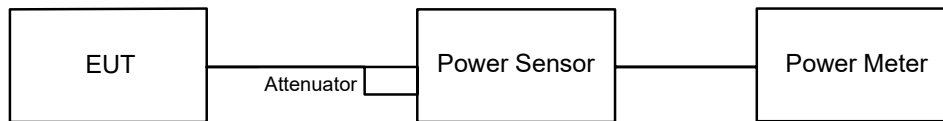
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup



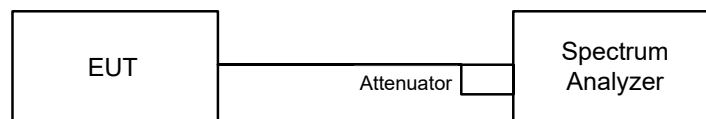
Note: The correction factor has already been compensated by the instrument.

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

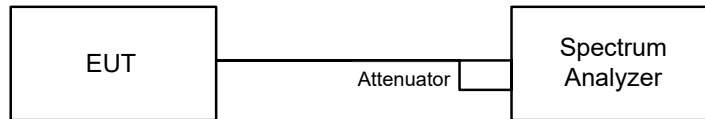
For specified measurement bandwidth 1 MHz:

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



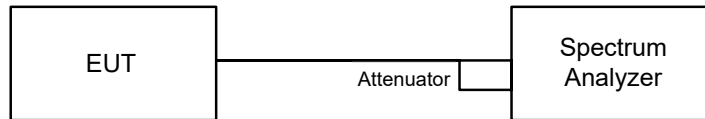
Note: The correction factor has already been compensated by the instrument.

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



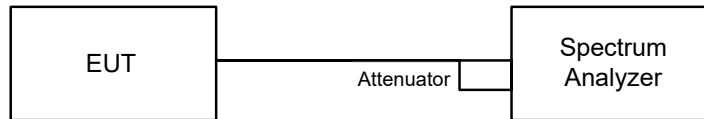
Note: The correction factor has already been compensated by the instrument.

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.
- d. 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.
- e. Adjust the span to encompass the entire mask as necessary and clear trace.
- f. Trace average at least 100 traces in power averaging (rms) mode.
- g. 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.

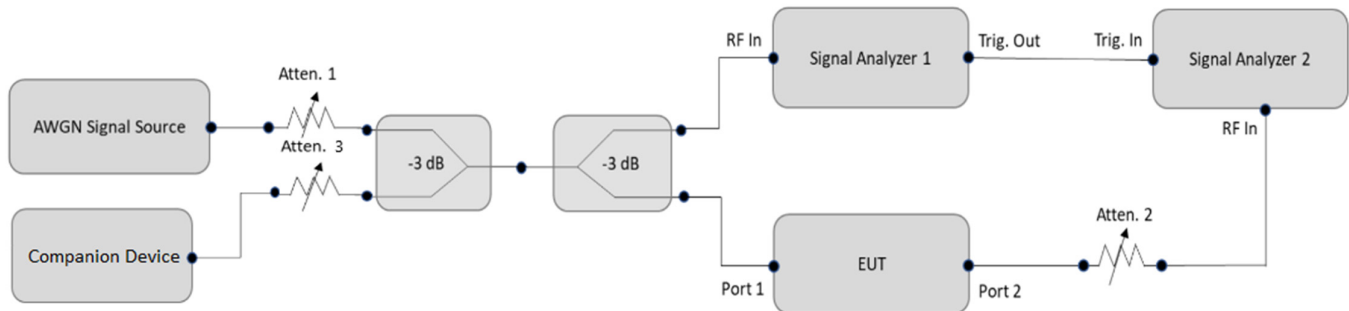
6.5.2 Test Procedure

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:

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

6.6 Contention-based Protocol

6.6.1 Test Setup



6.6.2 Test Procedure

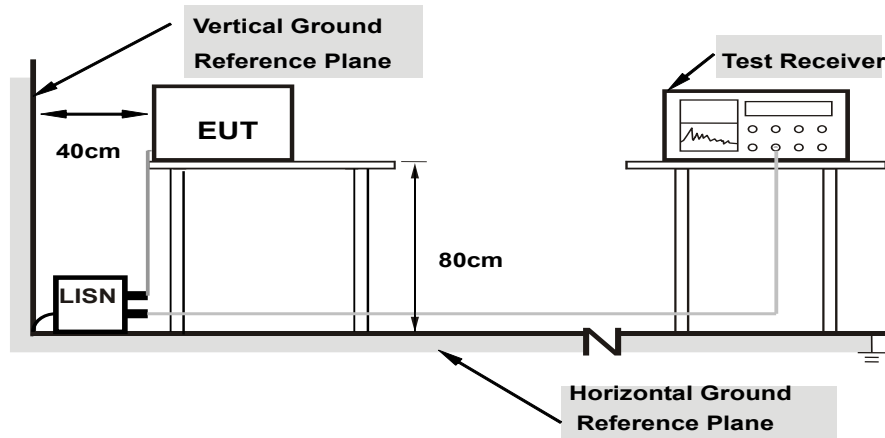
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation 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
$BW_{Inc} < BW_{EUT} \leq 2 \times BW_{Inc}$	Once	Contained within BW_{EUT}
$2 \times BW_{Inc} < BW_{EUT} \leq 4 \times BW_{Inc}$	Twice. (Incumbent transmission is contained within BW_{EUT})	Closely to the lower edge and upper edge of the EUT Channel
$BW_{EUT} > 4 \times BW_{Inc}$	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

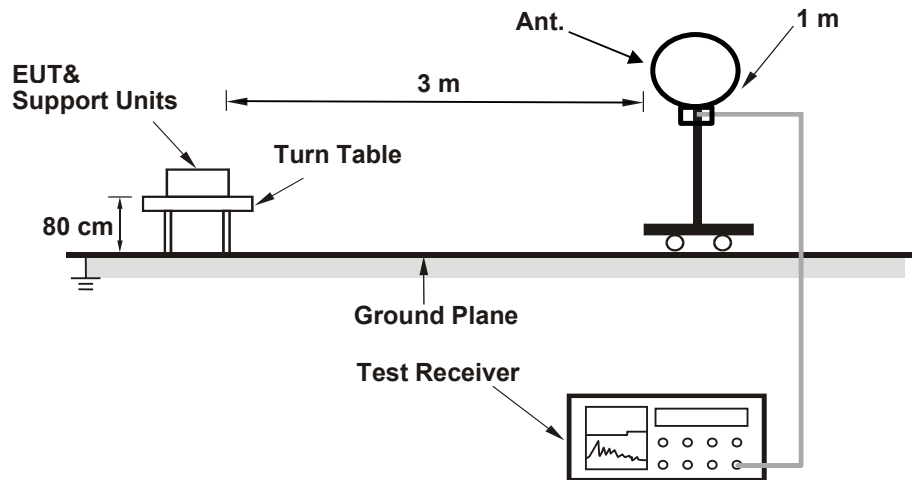
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The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

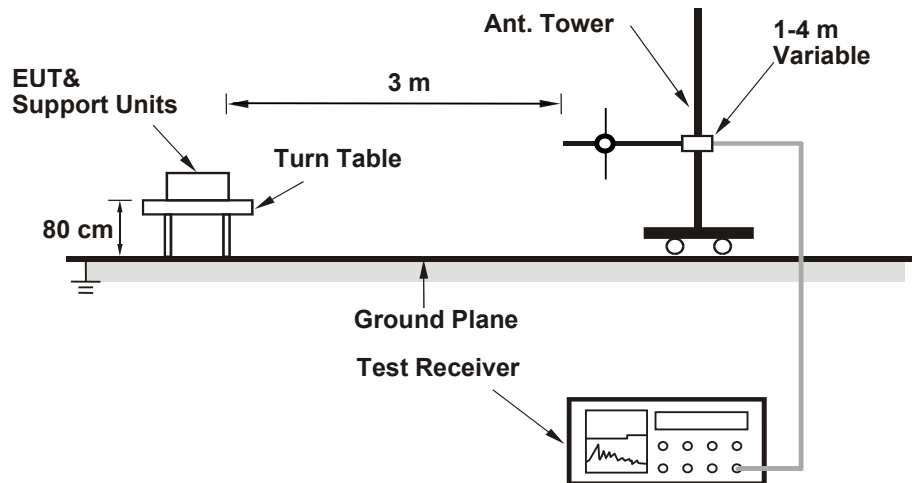
6.8 Unwanted Emissions below 1 GHz

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

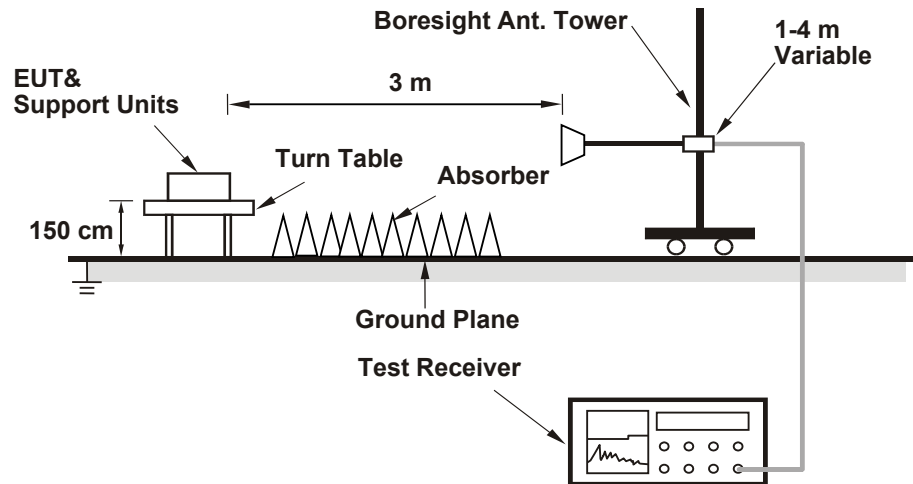
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/Max Tseng
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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	4.51	4.36	5.554	7.45	2.29	9.41	9.74	24	Pass
45	6175	4.49	4.34	5.528	7.43	2.29	9.366	9.72	24	Pass
93	6415	5.70	3.84	6.136	7.88	2.29	10.396	10.17	24	Pass
97	6435	5.63	4.36	6.385	8.05	1.01	8.057	9.06	24	Pass
105	6475	5.32	4.69	6.349	8.03	1.01	8.011	9.04	24	Pass
113	6515	4.80	4.33	5.73	7.58	1.01	7.23	8.59	24	Pass
117	6535	5.74	4.33	6.46	8.10	0.96	8.058	9.06	24	Pass
149	6695	5.74	4.05	6.291	7.99	0.96	7.847	8.95	24	Pass
181	6855	5.60	5.38	7.082	8.50	0.96	8.834	9.46	24	Pass
185	6875	5.26	4.81	6.384	8.05	0.96	7.963	9.01	24	Pass
209	6995	5.82	4.36	6.548	8.16	0.80	7.872	8.96	24	Pass
233	7115	5.72	4.47	6.531	8.15	0.80	7.852	8.95	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 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	5.03	4.40	5.938	7.74	2.29	10.061	10.03	24	Pass
45	6175	4.87	4.35	5.792	7.63	2.29	9.814	9.92	24	Pass
93	6415	5.29	3.84	5.802	7.64	2.29	9.831	9.93	24	Pass
97	6435	5.46	4.11	6.092	7.85	1.01	7.687	8.86	24	Pass
105	6475	5.49	4.82	6.574	8.18	1.01	8.295	9.19	24	Pass
113	6515	4.85	4.69	5.999	7.78	1.01	7.57	8.79	24	Pass
117	6535	5.79	4.63	6.697	8.26	0.96	8.354	9.22	24	Pass
149	6695	5.85	4.85	6.901	8.39	0.96	8.608	9.35	24	Pass
181	6855	5.17	5.05	6.487	8.12	0.96	8.092	9.08	24	Pass
185	6875	4.93	4.94	6.231	7.95	0.96	7.772	8.91	24	Pass
209	6995	5.37	4.23	6.092	7.85	0.80	7.324	8.65	24	Pass
233	7115	5.73	4.73	6.713	8.27	0.80	8.071	9.07	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 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	7.97	7.35	11.699	10.68	2.29	19.822	12.97	24	Pass
43	6165	7.72	6.39	10.271	10.12	2.29	17.403	12.41	24	Pass
91	6405	7.40	6.79	10.271	10.12	2.29	17.403	12.41	24	Pass
99	6445	8.34	7.58	12.551	10.99	1.01	15.837	12	24	Pass
107	6485	7.20	6.95	10.203	10.09	1.01	12.874	11.1	24	Pass
115	6525	7.71	7.41	11.41	10.57	1.01	14.397	11.58	24	Pass
123	6565	7.44	7.37	11.004	10.42	0.96	13.726	11.38	24	Pass
155	6725	7.70	7.66	11.723	10.69	0.96	14.623	11.65	24	Pass
179	6845	8.67	7.95	13.599	11.34	0.96	16.963	12.3	24	Pass
187	6885	8.13	7.81	12.541	10.98	0.80	15.078	11.78	24	Pass
211	7005	8.13	7.39	11.984	10.79	0.80	14.408	11.59	24	Pass
227	7085	8.65	7.48	12.926	11.11	0.80	15.54	11.91	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 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	10.85	10.33	22.951	13.61	2.29	38.887	15.9	24	Pass
39	6145	10.67	9.85	21.329	13.29	2.29	36.139	15.58	24	Pass
87	6385	10.15	9.96	20.26	13.07	2.29	34.327	15.36	24	Pass
103	6465	10.24	10.79	22.563	13.53	1.01	28.471	14.54	24	Pass
119	6545	10.32	10.07	20.927	13.21	0.96	26.104	14.17	24	Pass
151	6705	11.14	11.05	25.737	14.11	0.96	32.104	15.07	24	Pass
183	6865	11.01	11.24	25.923	14.14	0.96	32.336	15.1	24	Pass
199	6945	10.86	10.69	23.912	13.79	0.80	28.749	14.59	24	Pass
215	7025	10.78	10.71	23.743	13.76	0.80	28.545	14.56	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 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	12.20	12.69	35.174	15.46	2.29	59.597	17.75	24	Pass
47	6185	12.33	12.22	33.773	15.29	2.29	57.223	17.58	24	Pass
79	6345	12.73	12.00	34.599	15.39	2.29	58.622	17.68	24	Pass
111	6505	12.54	12.09	34.128	15.33	1.01	43.064	16.34	24	Pass
143	6665	12.14	12.35	33.547	15.26	0.96	41.846	16.22	24	Pass
175	6825	12.73	12.19	35.308	15.48	0.96	44.043	16.44	24	Pass
207	6985	12.41	11.78	32.484	15.12	0.80	39.054	15.92	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

802.11ax (HE20) 26-tone RU

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	-4.74	-3.68	0.7643	-1.17	2.29	1.295	1.12	24	Pass
45	6175	-4.78	-3.45	0.7845	-1.05	2.29	1.329	1.24	24	Pass
93	6415	-5.35	-3.46	0.7426	-1.29	2.29	1.258	1	24	Pass
97	6435	-5.63	-3.19	0.7533	-1.23	1.01	0.9505	-0.22	24	Pass
105	6475	-5.46	-3.19	0.7642	-1.17	1.01	0.9643	-0.16	24	Pass
113	6515	-5.35	-3.26	0.7638	-1.17	1.01	0.9638	-0.16	24	Pass
117	6535	-5.52	-3.42	0.7355	-1.33	0.96	0.9175	-0.37	24	Pass
149	6695	-4.25	-3.83	0.7898	-1.02	0.96	0.9852	-0.06	24	Pass
181	6855	-5.58	-3.36	0.738	-1.32	0.96	0.9206	-0.36	24	Pass
185	6875	-5.12	-3.18	0.7884	-1.03	0.96	0.9834	-0.07	24	Pass
209	6995	-5.09	-3.72	0.7344	-1.34	0.80	0.8829	-0.54	24	Pass
233	7115	-4.58	-4.17	0.7312	-1.36	0.80	0.8791	-0.56	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

802.11ax (HE20) 52-tone RU

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	-1.48	-0.73	1.5565	1.92	2.29	2.637	4.21	24	Pass
45	6175	-1.95	-0.35	1.5608	1.93	2.29	2.645	4.22	24	Pass
93	6415	-1.74	-0.97	1.4697	1.67	2.29	2.49	3.96	24	Pass
97	6435	-2.48	-0.15	1.531	1.85	1.01	1.932	2.86	24	Pass
105	6475	-2.02	-0.29	1.5635	1.94	1.01	1.973	2.95	24	Pass
113	6515	-2.25	-0.23	1.5441	1.89	1.01	1.948	2.9	24	Pass
117	6535	-2.24	-0.36	1.5175	1.81	0.96	1.893	2.77	24	Pass
149	6695	-1.18	-1.36	1.4932	1.74	0.96	1.863	2.7	24	Pass
181	6855	-2.17	-0.32	1.5357	1.86	0.96	1.916	2.82	24	Pass
185	6875	-2.34	-0.27	1.5232	1.83	0.96	1.9	2.79	24	Pass
209	6995	-1.60	-0.79	1.5255	1.83	0.80	1.834	2.63	24	Pass
233	7115	-1.78	-0.86	1.4841	1.71	0.80	1.784	2.51	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

802.11ax (HE20) 106-tone RU

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	1.14	2.01	2.889	4.61	2.29	4.895	6.9	24	Pass
45	6175	1.15	2.47	3.069	4.87	2.29	5.2	7.16	24	Pass
93	6415	1.06	2.41	3.018	4.80	2.29	5.114	7.09	24	Pass
97	6435	0.42	2.98	3.088	4.90	1.01	3.897	5.91	24	Pass
105	6475	0.32	2.32	2.783	4.45	1.01	3.512	5.46	24	Pass
113	6515	0.52	2.99	3.118	4.94	1.01	3.934	5.95	24	Pass
117	6535	0.62	2.48	2.924	4.66	0.96	3.647	5.62	24	Pass
149	6695	1.89	1.86	3.08	4.89	0.96	3.842	5.85	24	Pass
181	6855	1.08	2.37	3.008	4.78	0.96	3.752	5.74	24	Pass
185	6875	1.08	2.51	3.065	4.86	0.96	3.823	5.82	24	Pass
209	6995	1.71	2.13	3.116	4.94	0.80	3.746	5.74	24	Pass
233	7115	1.29	2.52	3.132	4.96	0.80	3.765	5.76	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

802.11ax (HE20) 242-tone RU

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	4.94	4.31	5.817	7.65	2.29	9.856	9.94	24	Pass
45	6175	4.77	4.26	5.666	7.53	2.29	9.6	9.82	24	Pass
93	6415	5.20	3.74	5.677	7.54	2.29	9.619	9.83	24	Pass
97	6435	5.37	4.02	5.967	7.76	1.01	7.529	8.77	24	Pass
105	6475	5.20	4.73	6.283	7.98	1.01	7.928	8.99	24	Pass
113	6515	4.76	4.61	5.883	7.70	1.01	7.423	8.71	24	Pass
117	6535	5.30	4.44	6.168	7.90	0.96	7.694	8.86	24	Pass
149	6695	5.27	4.55	6.216	7.94	0.96	7.754	8.9	24	Pass
181	6855	5.09	4.76	6.221	7.94	0.96	7.76	8.9	24	Pass
185	6875	4.83	4.84	6.089	7.85	0.96	7.595	8.81	24	Pass
209	6995	5.28	4.13	5.961	7.75	0.80	7.167	8.55	24	Pass
233	7115	5.34	4.55	6.271	7.97	0.80	7.539	8.77	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

802.11ax (HE40) 484-tone RU

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	7.87	7.25	11.432	10.58	2.29	19.37	12.87	24	Pass
43	6165	8.62	6.30	11.544	10.62	2.29	19.559	12.91	24	Pass
91	6405	8.31	6.69	11.443	10.59	2.29	19.388	12.88	24	Pass
99	6445	8.24	7.49	12.279	10.89	1.01	15.494	11.9	24	Pass
107	6485	8.10	7.05	11.526	10.62	1.01	14.544	11.63	24	Pass
115	6525	8.05	7.33	11.79	10.72	1.01	14.877	11.73	24	Pass
123	6565	7.96	7.28	11.597	10.64	0.96	14.466	11.6	24	Pass
155	6725	7.60	7.56	11.456	10.59	0.96	14.29	11.55	24	Pass
179	6845	8.09	7.37	11.899	10.76	0.96	14.843	11.72	24	Pass
187	6885	8.03	7.72	12.269	10.89	0.80	14.751	11.69	24	Pass
211	7005	8.04	7.31	11.751	10.70	0.80	14.128	11.5	24	Pass
227	7085	8.26	7.39	12.182	10.86	0.80	14.646	11.66	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

802.11ax (HE80) 996-tone RU

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	10.96	10.14	22.801	13.58	2.29	38.633	15.87	24	Pass
39	6145	10.44	10.10	21.299	13.28	2.29	36.088	15.57	24	Pass
87	6385	10.26	9.75	20.058	13.02	2.29	33.985	15.31	24	Pass
103	6465	10.64	10.23	22.132	13.45	1.01	27.927	14.46	24	Pass
119	6545	10.38	9.92	20.732	13.17	0.96	25.861	14.13	24	Pass
151	6705	11.02	10.56	24.024	13.81	0.96	29.967	14.77	24	Pass
183	6865	10.91	10.62	23.866	13.78	0.96	29.77	14.74	24	Pass
199	6945	10.76	10.59	23.368	13.69	0.80	28.095	14.49	24	Pass
215	7025	10.69	10.62	23.256	13.67	0.80	27.96	14.47	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

802.11ax (HE160) 2x996-tone RU

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	12.11	12.60	34.452	15.37	2.29	58.373	17.66	24	Pass
47	6185	12.23	12.13	33.041	15.19	2.29	55.983	17.48	24	Pass
79	6345	12.63	11.91	33.847	15.30	2.29	57.348	17.59	24	Pass
111	6505	12.46	12.00	33.469	15.25	1.01	42.232	16.26	24	Pass
143	6665	12.05	12.25	32.82	15.16	0.96	40.939	16.12	24	Pass
175	6825	12.64	12.09	34.546	15.38	0.96	43.092	16.34	24	Pass
207	6985	12.33	11.69	31.857	15.03	0.80	38.301	15.83	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 2.29 dBi.
3. For U-NII-6, The maximum gain is 1.01 dBi.
4. For U-NII-7, The maximum gain is 0.96 dBi.
5. For U-NII-8, The maximum gain is 0.8 dBi.

7.2 Maximum Power Spectral Density

Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/Max Tseng
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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	-8.44	-8.96	-5.68	4.44	-1.24	-1	Pass
45	6175	-8.59	-9.24	-5.89	4.44	-1.45	-1	Pass
93	6415	-8.54	-8.89	-5.70	4.44	-1.26	-1	Pass
97	6435	-7.42	-8.36	-4.85	3.77	-1.08	-1	Pass
105	6475	-7.86	-8.79	-5.29	3.77	-1.52	-1	Pass
113	6515	-8.47	-8.68	-5.56	3.77	-1.79	-1	Pass
117	6535	-7.51	-8.55	-4.99	3.71	-1.28	-1	Pass
149	6695	-7.60	-8.70	-5.10	3.71	-1.39	-1	Pass
181	6855	-7.79	-8.03	-4.90	3.71	-1.19	-1	Pass
185	6875	-7.94	-8.08	-5.00	3.75	-1.25	-1	Pass
209	6995	-7.56	-8.58	-5.03	3.75	-1.28	-1	Pass
233	7115	-7.58	-8.62	-5.06	3.75	-1.31	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 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	-8.33	-9.12	-5.70	4.44	-1.26	-1	Pass
45	6175	-8.37	-9.11	-5.71	4.44	-1.27	-1	Pass
93	6415	-7.99	-9.34	-5.60	4.44	-1.16	-1	Pass
97	6435	-7.76	-8.77	-5.23	3.77	-1.46	-1	Pass
105	6475	-7.63	-8.45	-5.01	3.77	-1.24	-1	Pass
113	6515	-8.22	-8.36	-5.28	3.77	-1.51	-1	Pass
117	6535	-7.81	-8.95	-5.33	3.71	-1.62	-1	Pass
149	6695	-7.36	-8.54	-4.90	3.71	-1.19	-1	Pass
181	6855	-8.47	-8.50	-5.47	3.71	-1.76	-1	Pass
185	6875	-8.66	-8.63	-5.63	3.75	-1.88	-1	Pass
209	6995	-7.45	-8.47	-4.92	3.75	-1.17	-1	Pass
233	7115	-7.52	-8.62	-5.02	3.75	-1.27	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 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	-8.34	-9.05	-5.67	4.44	-1.23	-1	Pass
43	6165	-8.16	-9.76	-5.88	4.44	-1.44	-1	Pass
91	6405	-8.66	-9.10	-5.86	4.44	-1.42	-1	Pass
99	6445	-7.83	-8.57	-5.17	3.77	-1.4	-1	Pass
107	6485	-8.73	-7.86	-5.26	3.77	-1.49	-1	Pass
115	6525	-8.41	-8.74	-5.56	3.77	-1.79	-1	Pass
123	6565	-8.80	-8.32	-5.54	3.71	-1.83	-1	Pass
155	6725	-8.40	-8.61	-5.49	3.71	-1.78	-1	Pass
179	6845	-7.69	-8.28	-4.96	3.71	-1.25	-1	Pass
187	6885	-8.13	-8.43	-5.27	3.75	-1.52	-1	Pass
211	7005	-8.05	-8.71	-5.36	3.75	-1.61	-1	Pass
227	7085	-7.57	-8.62	-5.05	3.75	-1.3	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 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	-8.87	-8.96	-5.90	4.44	-1.46	-1	Pass
39	6145	-8.60	-9.31	-5.93	4.44	-1.49	-1	Pass
87	6385	-9.30	-9.17	-6.22	4.44	-1.78	-1	Pass
103	6465	-8.56	-8.72	-5.63	3.77	-1.86	-1	Pass
119	6545	-8.67	-8.69	-5.67	3.71	-1.96	-1	Pass
151	6705	-8.32	-9.08	-5.67	3.71	-1.96	-1	Pass
183	6865	-8.09	-8.03	-5.05	3.71	-1.34	-1	Pass
199	6945	-8.14	-8.55	-5.33	3.75	-1.58	-1	Pass
215	7025	-8.09	-8.23	-5.15	3.75	-1.4	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 dBi.

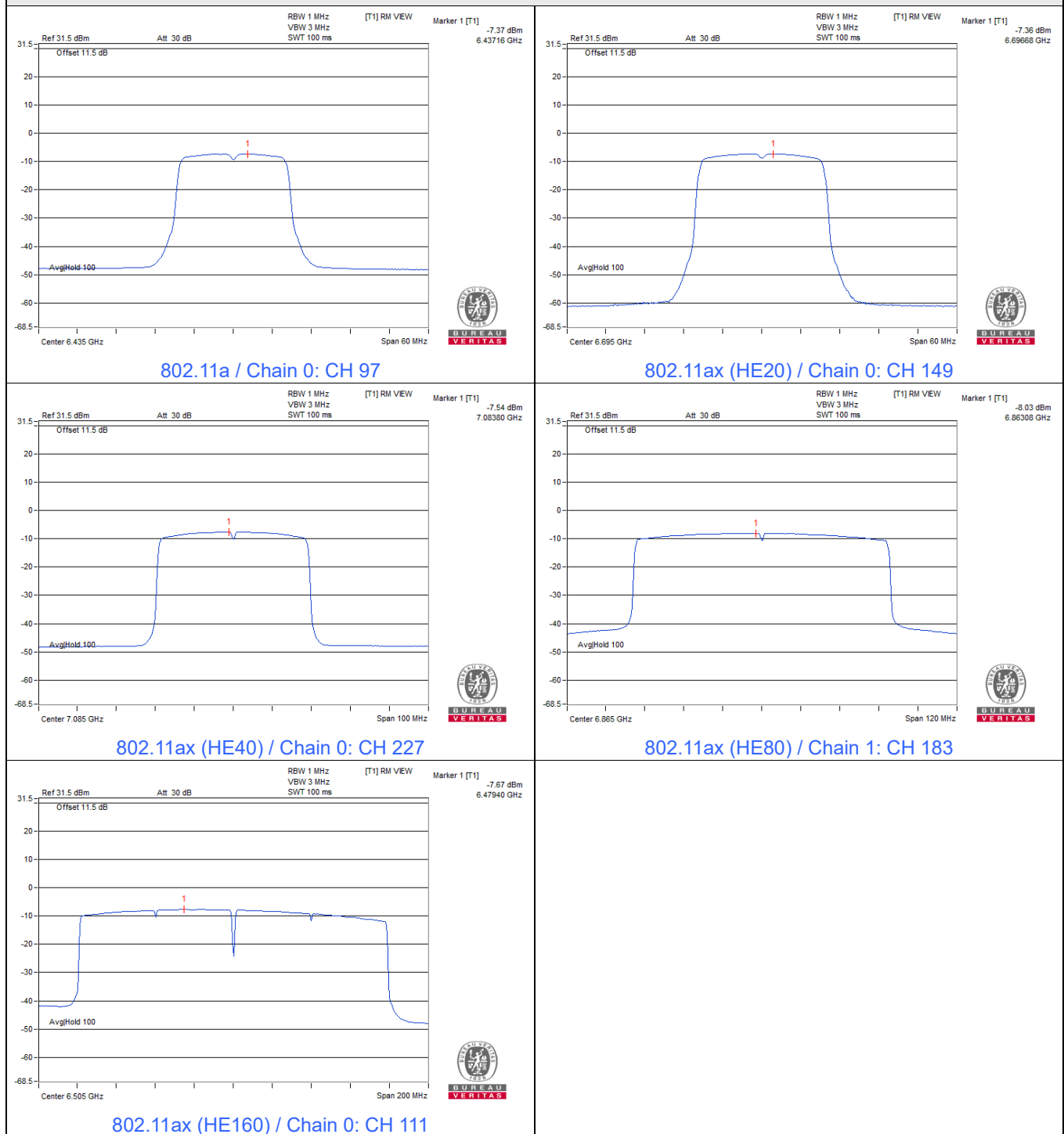
802.11ax (HE160)

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	-8.26	-9.03	-5.62	4.44	-1.18	-1	Pass
47	6185	-9.01	-9.09	-6.04	4.44	-1.6	-1	Pass
79	6345	-8.72	-9.08	-5.89	4.44	-1.45	-1	Pass
111	6505	-7.76	-8.63	-5.16	3.77	-1.39	-1	Pass
143	6665	-9.53	-9.35	-6.43	3.71	-2.72	-1	Pass
175	6825	-7.84	-8.39	-5.10	3.71	-1.39	-1	Pass
207	6985	-8.55	-8.48	-5.50	3.75	-1.75	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 dBi.

Spectrum Plot of Maximum Value



802.11ax (HE20) 26-tone RU

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	-8.29	-8.71	-5.48	4.44	-1.04	-1	Pass
45	6175	-8.47	-8.93	-5.68	4.44	-1.24	-1	Pass
93	6415	-8.84	-8.19	-5.49	4.44	-1.05	-1	Pass
97	6435	-7.73	-8.47	-5.07	3.77	-1.3	-1	Pass
105	6475	-7.36	-8.30	-4.79	3.77	-1.02	-1	Pass
113	6515	-8.06	-7.60	-4.81	3.77	-1.04	-1	Pass
117	6535	-8.43	-8.52	-5.46	3.71	-1.75	-1	Pass
149	6695	-8.09	-7.79	-4.93	3.71	-1.22	-1	Pass
181	6855	-7.88	-8.69	-5.26	3.71	-1.55	-1	Pass
185	6875	-8.44	-7.60	-4.99	3.75	-1.24	-1	Pass
209	6995	-8.42	-8.17	-5.28	3.75	-1.53	-1	Pass
233	7115	-8.06	-9.11	-5.54	3.75	-1.79	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 dBi.

802.11ax (HE20) 52-tone RU

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	-8.76	-9.03	-5.88	4.44	-1.44	-1	Pass
45	6175	-8.32	-8.80	-5.54	4.44	-1.1	-1	Pass
93	6415	-8.26	-9.44	-5.80	4.44	-1.36	-1	Pass
97	6435	-7.81	-8.30	-5.04	3.77	-1.27	-1	Pass
105	6475	-7.22	-8.79	-4.92	3.77	-1.15	-1	Pass
113	6515	-8.02	-8.37	-5.18	3.77	-1.41	-1	Pass
117	6535	-7.30	-8.40	-4.80	3.71	-1.09	-1	Pass
149	6695	-10.30	-9.89	-7.08	3.71	-3.37	-1	Pass
181	6855	-7.83	-8.79	-5.27	3.71	-1.56	-1	Pass
185	6875	-8.64	-9.24	-5.92	3.75	-2.17	-1	Pass
209	6995	-8.51	-9.30	-5.88	3.75	-2.13	-1	Pass
233	7115	-9.20	-9.23	-6.20	3.75	-2.45	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 dBi.

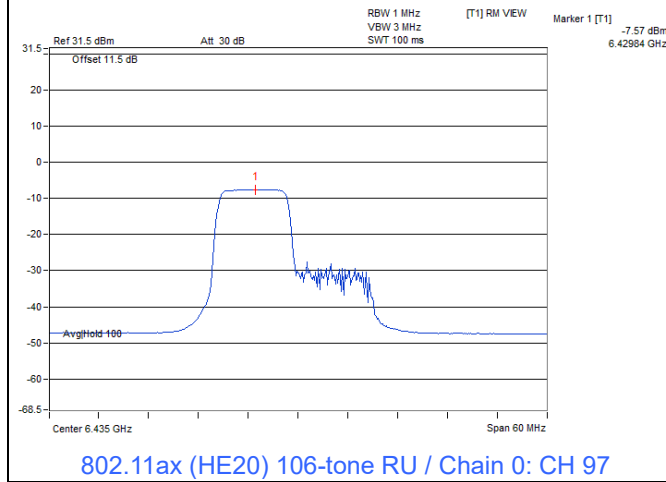
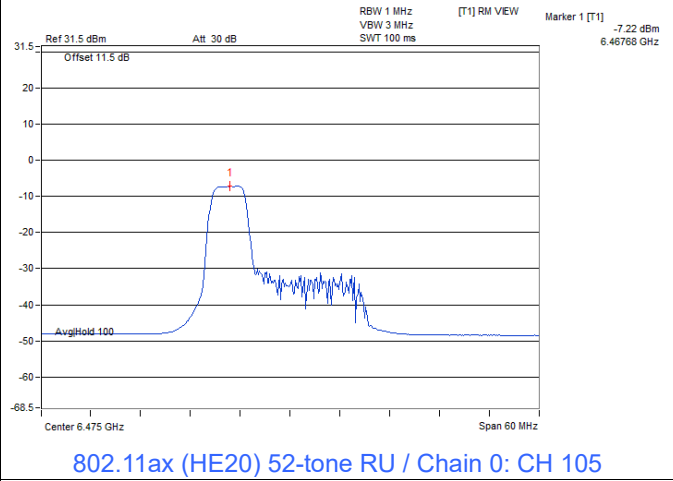
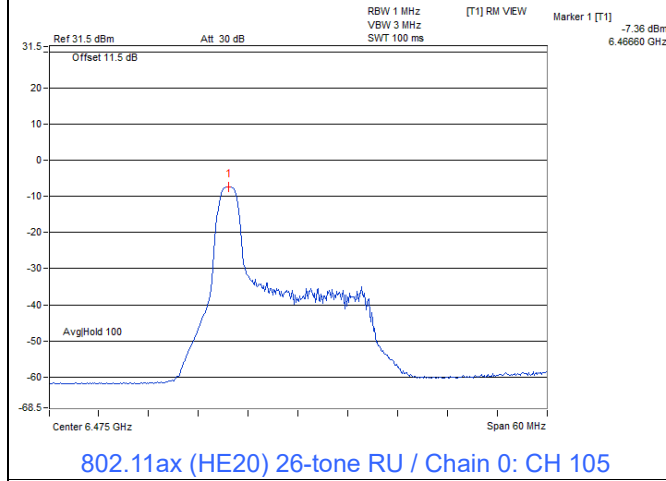
802.11ax (HE20) 106-tone RU

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	-8.59	-9.98	-6.22	4.44	-1.78	-1	Pass
45	6175	-8.55	-9.60	-6.03	4.44	-1.59	-1	Pass
93	6415	-8.09	-9.47	-5.72	4.44	-1.28	-1	Pass
97	6435	-7.57	-8.08	-4.81	3.77	-1.04	-1	Pass
105	6475	-7.59	-9.03	-5.24	3.77	-1.47	-1	Pass
113	6515	-7.58	-8.44	-4.98	3.77	-1.21	-1	Pass
117	6535	-7.66	-8.80	-5.18	3.71	-1.47	-1	Pass
149	6695	-8.27	-9.80	-5.96	3.71	-2.25	-1	Pass
181	6855	-8.45	-9.12	-5.76	3.71	-2.05	-1	Pass
185	6875	-8.53	-9.18	-5.83	3.75	-2.08	-1	Pass
209	6995	-8.45	-9.19	-5.79	3.75	-2.04	-1	Pass
233	7115	-9.05	-9.57	-6.29	3.75	-2.54	-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 4.44 dBi.
4. For U-NII-6, The directional gain is 3.77 dBi.
5. For U-NII-7, The directional gain is 3.71 dBi.
6. For U-NII-8, The directional gain is 3.75 dBi.

Spectrum Plot of Maximum Value



7.3 Emission Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/Max Tseng
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802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.01	19.25	320	Pass
45	6175	19.07	19.19	320	Pass
93	6415	19.04	19.24	320	Pass
97	6435	19.21	19.29	320	Pass
105	6475	19.02	19.36	320	Pass
113	6515	18.93	19.20	320	Pass
117	6535	19.11	19.03	320	Pass
149	6695	19.01	19.44	320	Pass
181	6855	18.98	19.09	320	Pass
185	6875	18.92	19.23	320	Pass
209	6995	19.12	19.09	320	Pass
233	7115	18.92	19.42	320	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	21.10	21.19	320	Pass
45	6175	21.05	21.24	320	Pass
93	6415	21.14	21.31	320	Pass
97	6435	21.02	21.04	320	Pass
105	6475	20.95	21.08	320	Pass
113	6515	20.95	21.06	320	Pass
117	6535	20.75	21.01	320	Pass
149	6695	21.27	21.06	320	Pass
181	6855	21.26	21.28	320	Pass
185	6875	21.00	20.97	320	Pass
209	6995	20.93	20.83	320	Pass
233	7115	20.99	20.92	320	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	40.71	40.43	320	Pass
43	6165	40.47	40.37	320	Pass
91	6405	40.46	40.32	320	Pass
99	6445	40.25	40.47	320	Pass
107	6485	40.30	40.23	320	Pass
115	6525	40.19	40.23	320	Pass
123	6565	40.34	40.40	320	Pass
155	6725	40.20	40.43	320	Pass
179	6845	40.26	40.75	320	Pass
187	6885	40.25	40.55	320	Pass
211	7005	40.27	40.62	320	Pass
227	7085	40.12	40.24	320	Pass

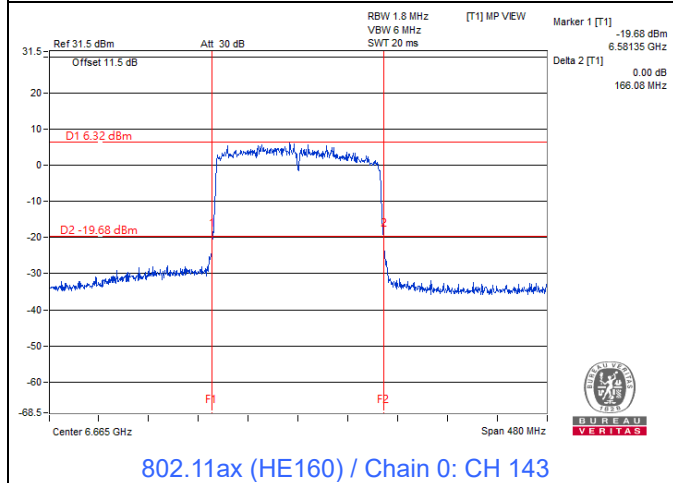
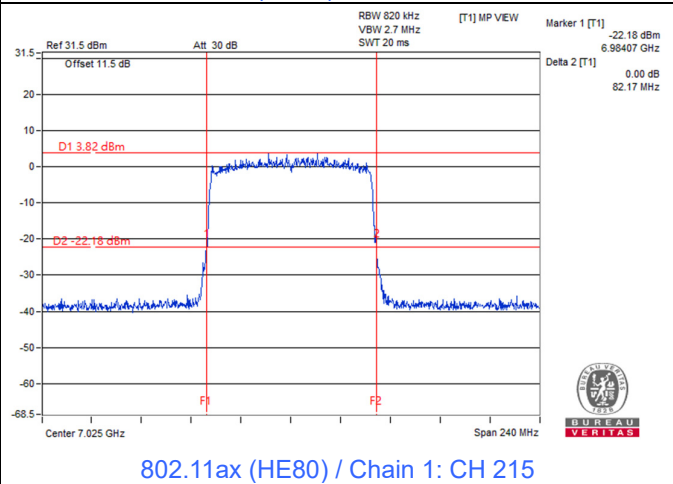
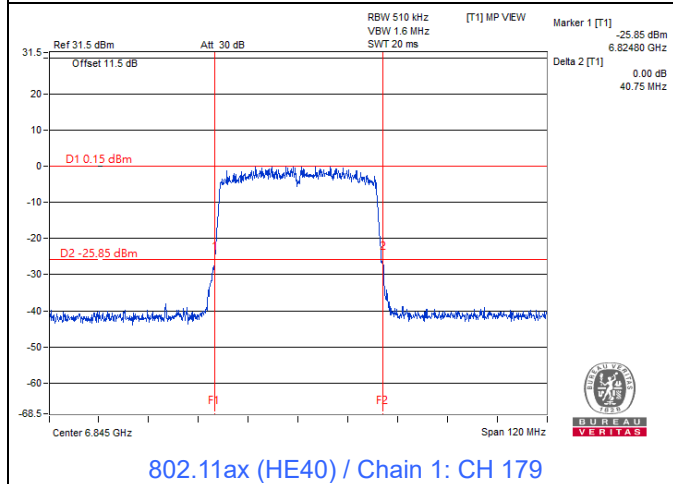
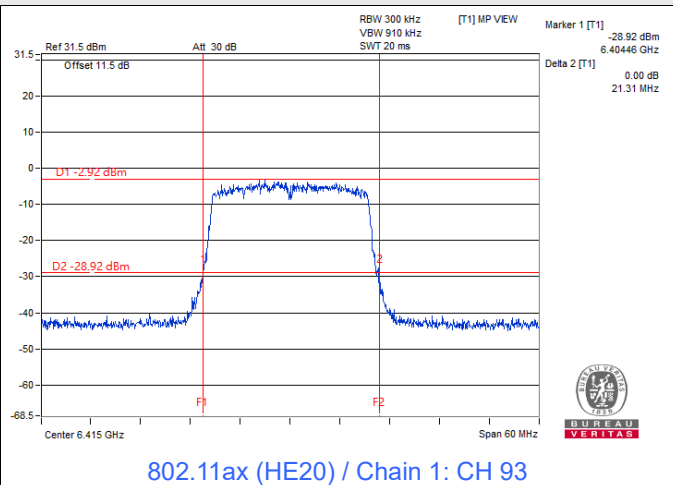
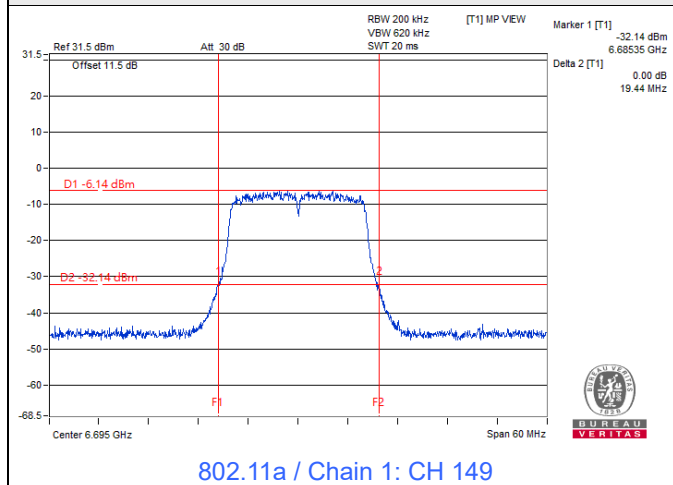
802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	81.92	81.27	320	Pass
39	6145	81.31	82.00	320	Pass
87	6385	81.23	81.54	320	Pass
103	6465	81.53	81.54	320	Pass
119	6545	81.47	81.58	320	Pass
151	6705	81.62	81.73	320	Pass
183	6865	81.74	82.13	320	Pass
199	6945	81.82	81.94	320	Pass
215	7025	81.63	82.17	320	Pass

802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	164.57	165.39	320	Pass
47	6185	164.60	165.59	320	Pass
79	6345	165.04	165.67	320	Pass
111	6505	163.97	165.12	320	Pass
143	6665	166.08	165.71	320	Pass
175	6825	164.96	165.63	320	Pass
207	6985	164.68	165.68	320	Pass

Spectrum Plot of Maximum Value



802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	20.98	20.76	320	Pass
45	6175	20.85	21.15	320	Pass
93	6415	20.82	20.68	320	Pass
97	6435	20.68	21.07	320	Pass
105	6475	20.65	21.15	320	Pass
113	6515	20.71	20.75	320	Pass
117	6535	20.78	20.81	320	Pass
149	6695	20.83	20.59	320	Pass
181	6855	20.52	20.76	320	Pass
185	6875	20.83	21.05	320	Pass
209	6995	20.77	21.05	320	Pass
233	7115	20.85	21.15	320	Pass

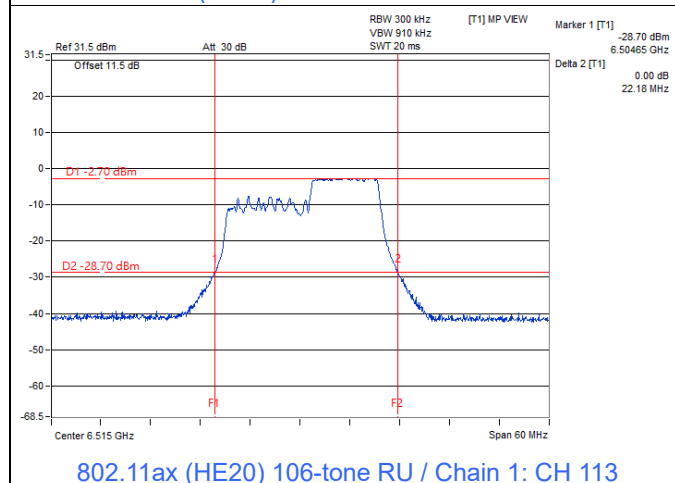
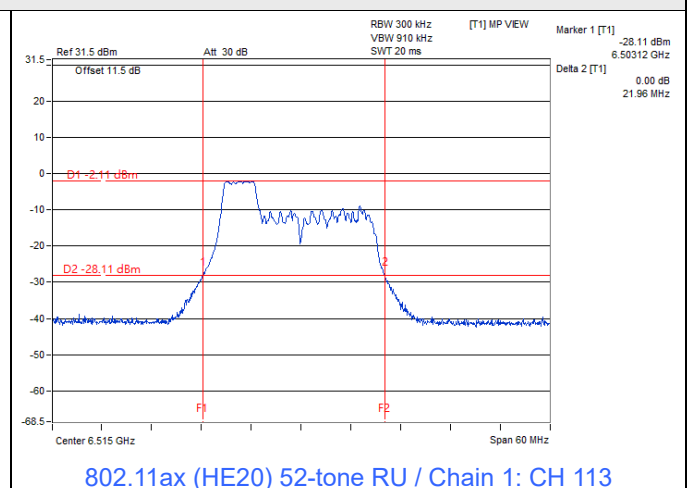
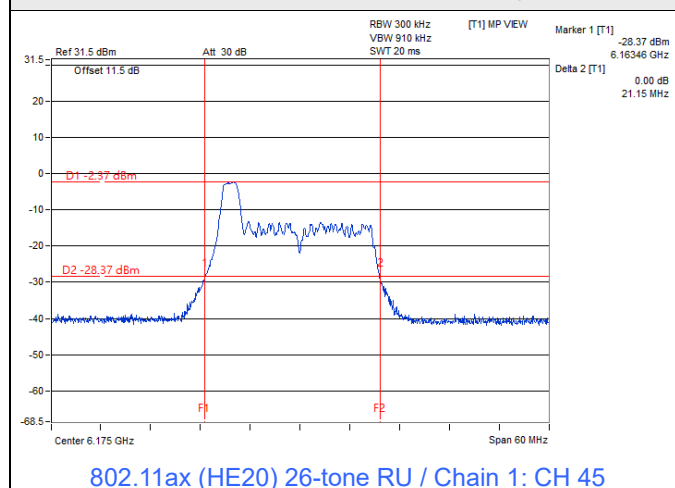
802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	21.50	21.85	320	Pass
45	6175	21.46	21.88	320	Pass
93	6415	21.33	20.94	320	Pass
97	6435	21.59	21.89	320	Pass
105	6475	21.46	21.78	320	Pass
113	6515	20.94	21.96	320	Pass
117	6535	21.41	21.81	320	Pass
149	6695	21.41	21.69	320	Pass
181	6855	20.94	21.33	320	Pass
185	6875	21.33	21.84	320	Pass
209	6995	21.52	21.86	320	Pass
233	7115	20.95	21.26	320	Pass

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	21.68	21.96	320	Pass
45	6175	21.74	21.94	320	Pass
93	6415	21.31	22.08	320	Pass
97	6435	21.68	21.84	320	Pass
105	6475	21.59	22.07	320	Pass
113	6515	21.41	22.18	320	Pass
117	6535	21.61	22.15	320	Pass
149	6695	21.73	21.97	320	Pass
181	6855	21.38	22.07	320	Pass
185	6875	21.60	22.07	320	Pass
209	6995	21.62	22.08	320	Pass
233	7115	21.44	22.16	320	Pass

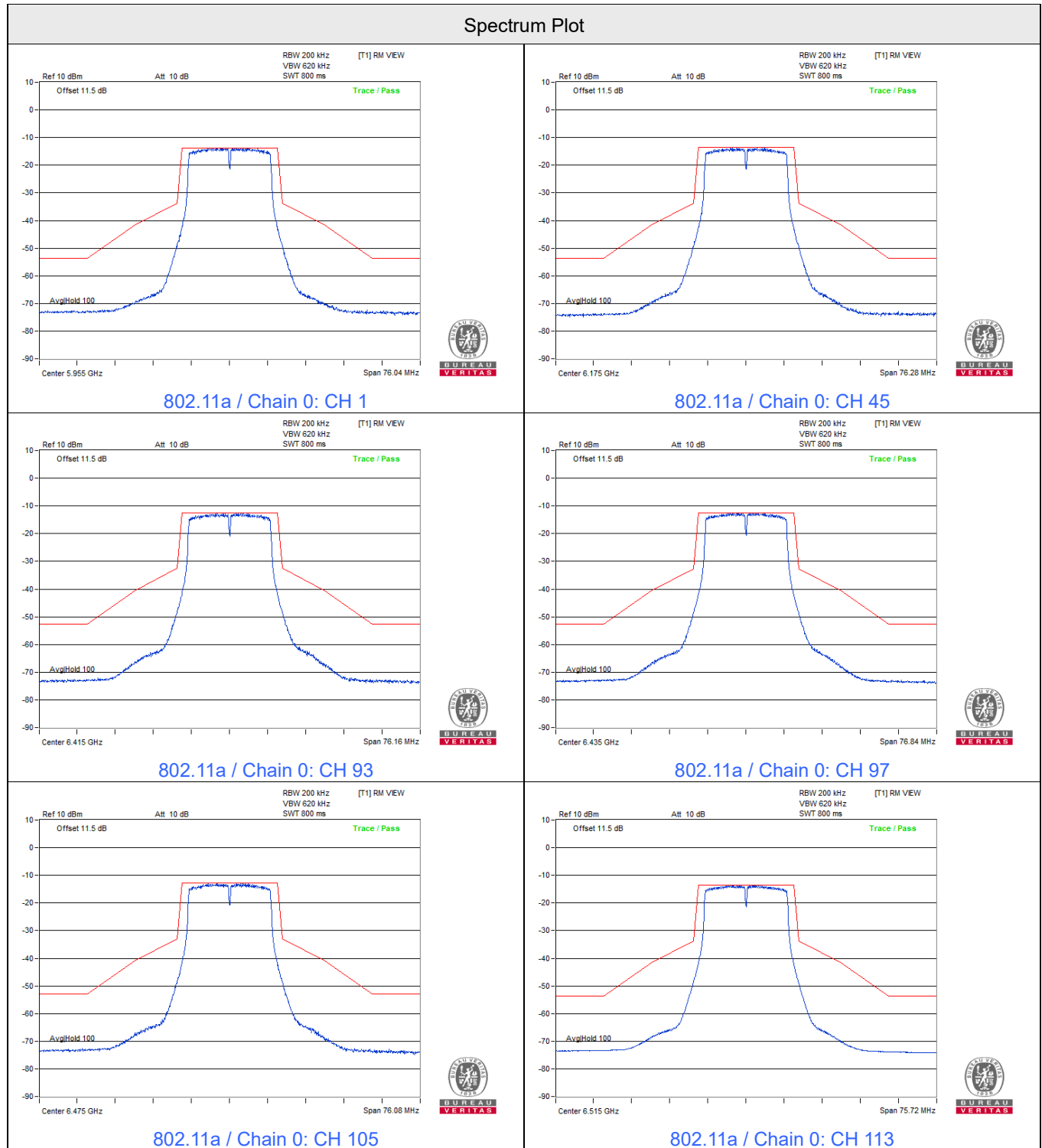
Spectrum Plot of Maximum Value



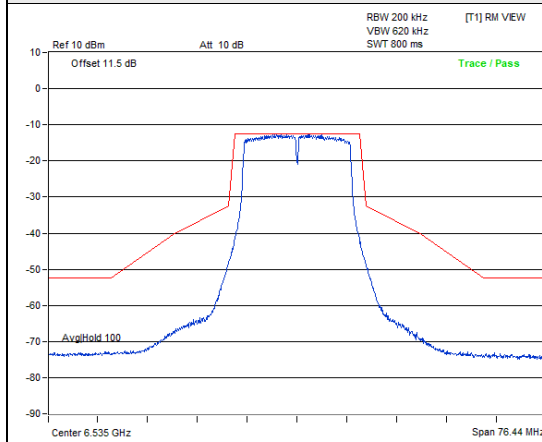
7.4 In-Band Emission Mask

Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/Max Tseng
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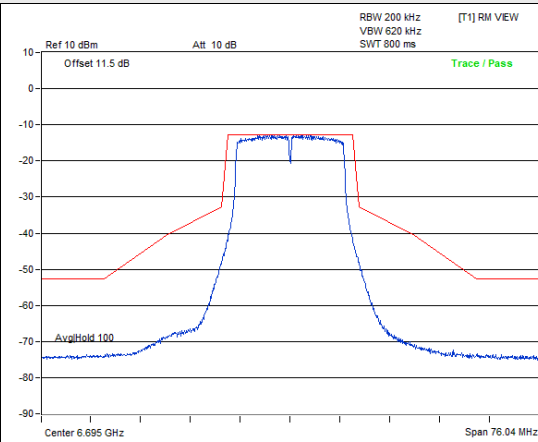
802.11a



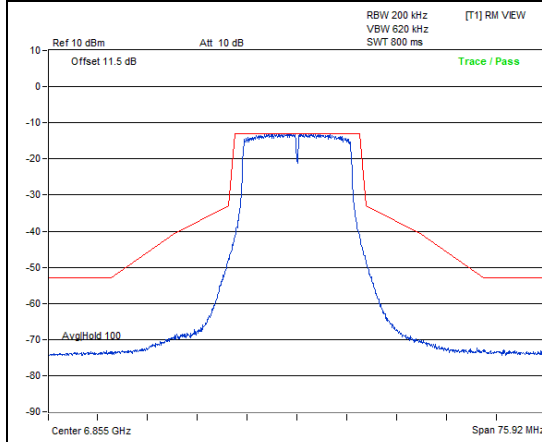
Spectrum Plot



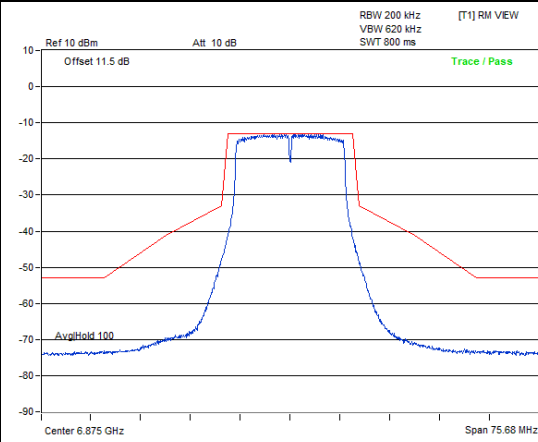
802.11a / Chain 0: CH 117



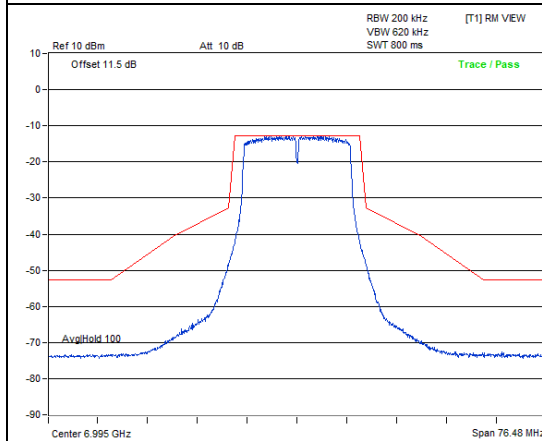
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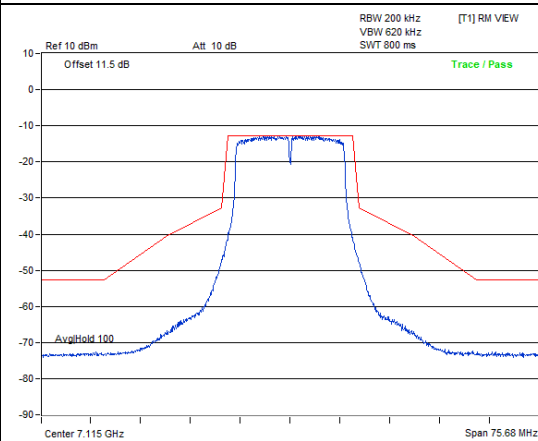
802.11a / Chain 0: CH 181



802.11a / Chain 0: CH 185

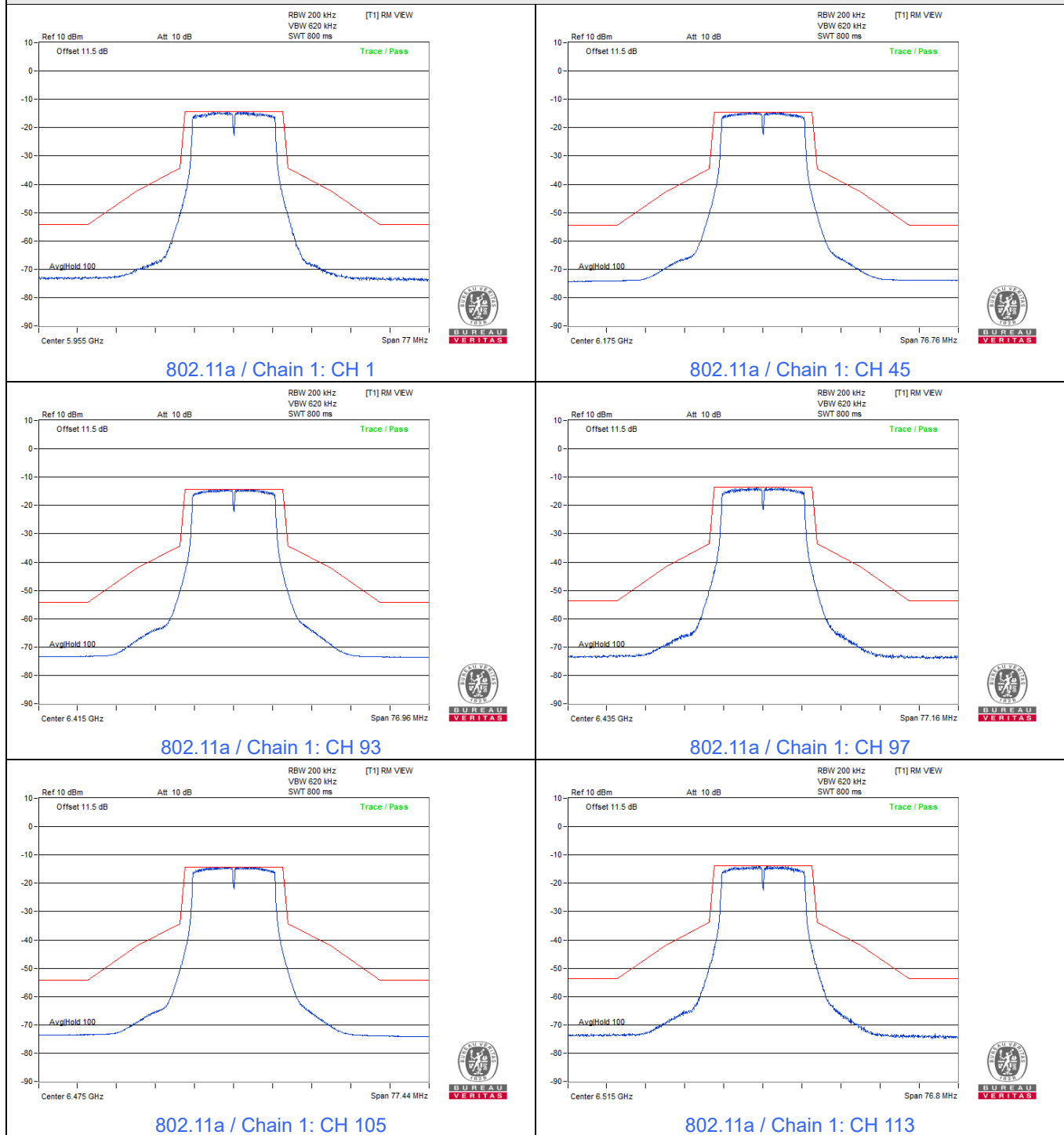


802.11a / Chain 0: CH 209

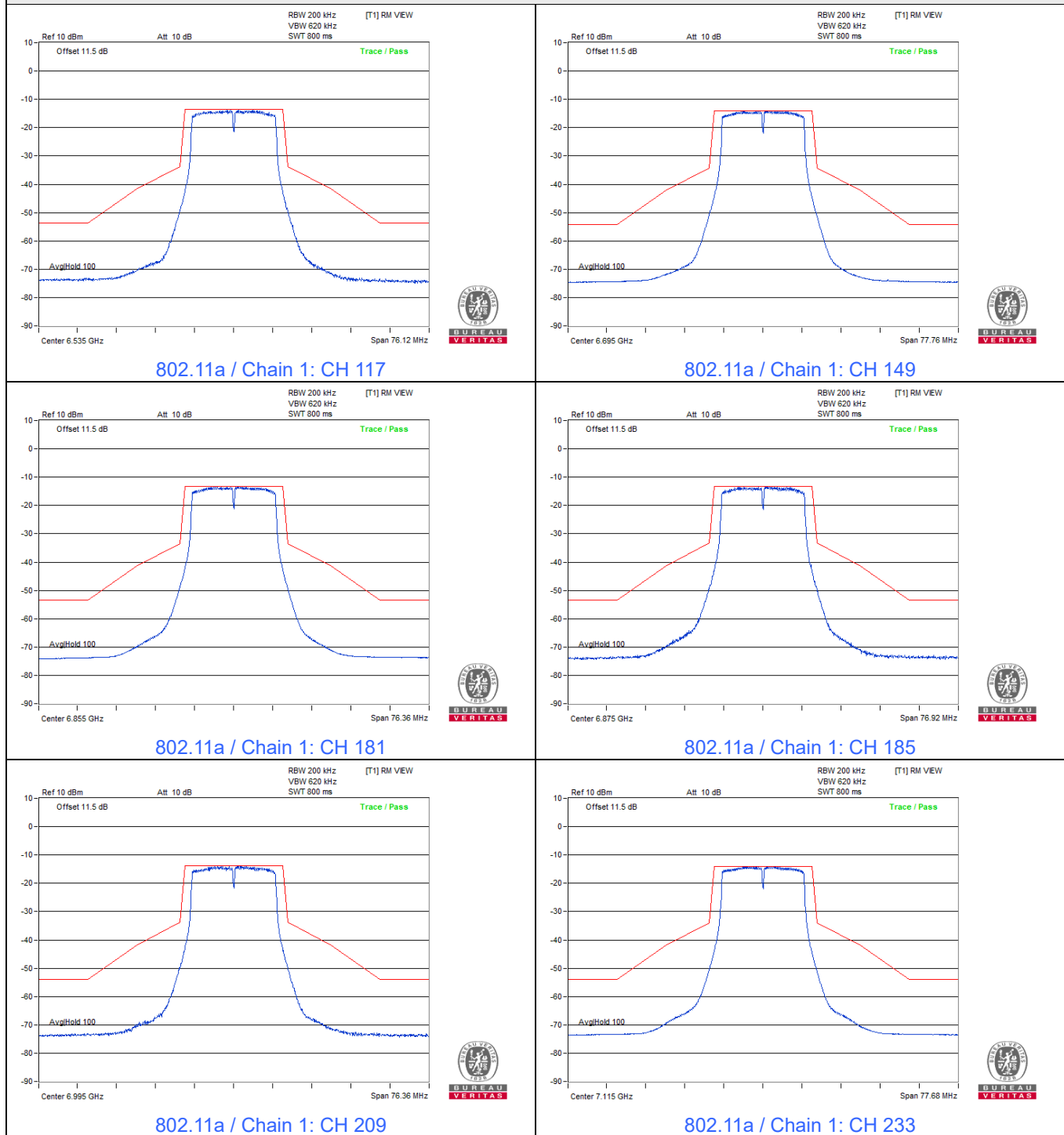


802.11a / Chain 0: CH 233

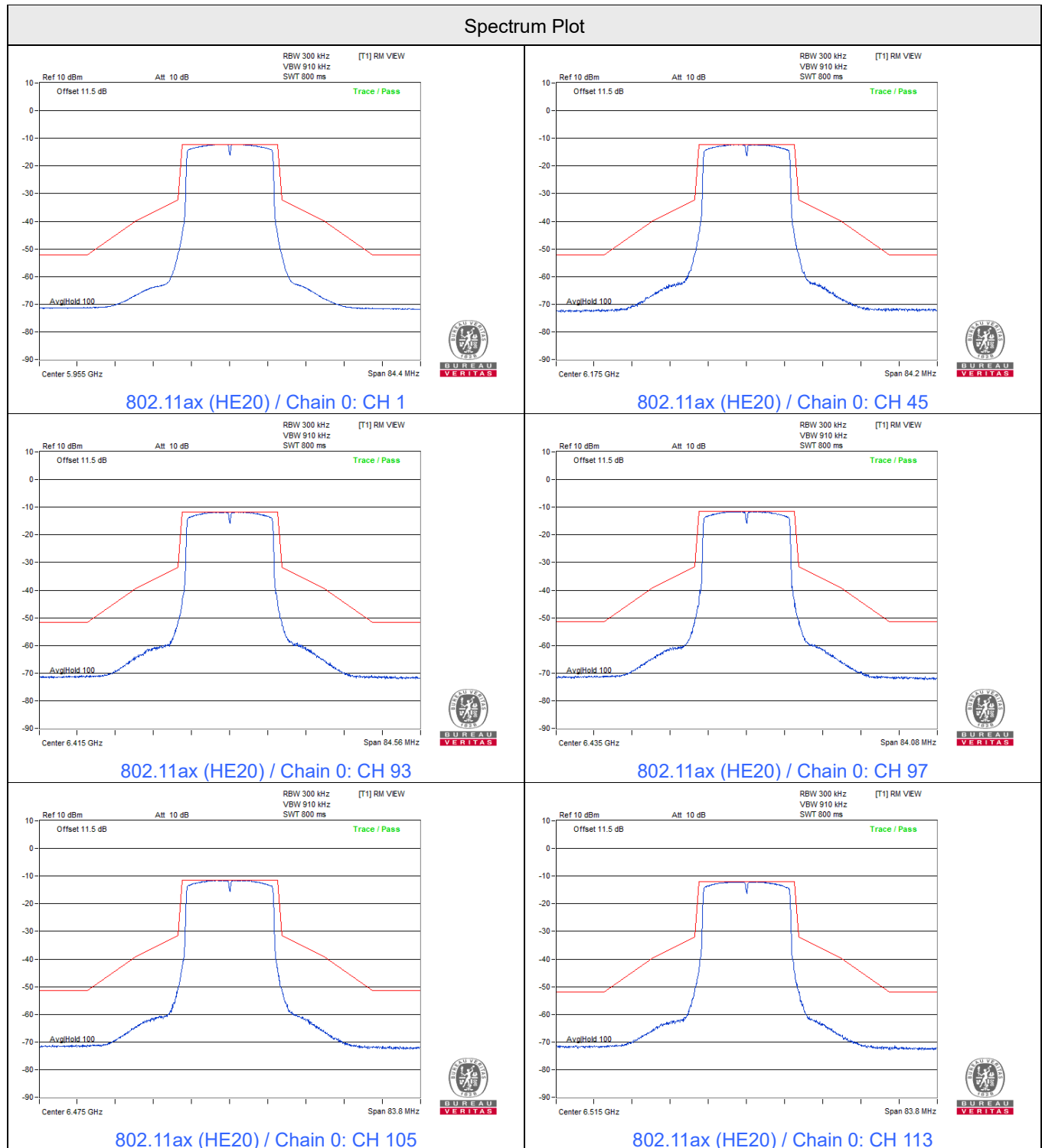
Spectrum Plot



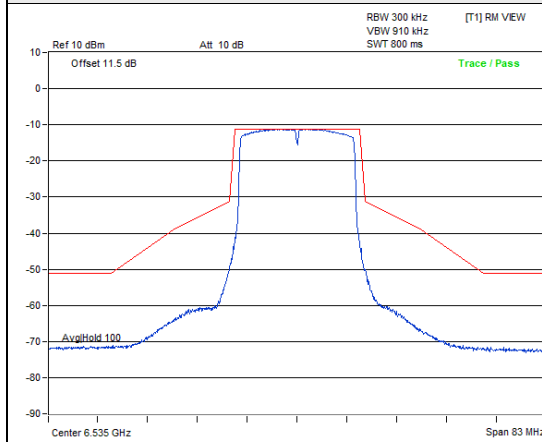
Spectrum Plot



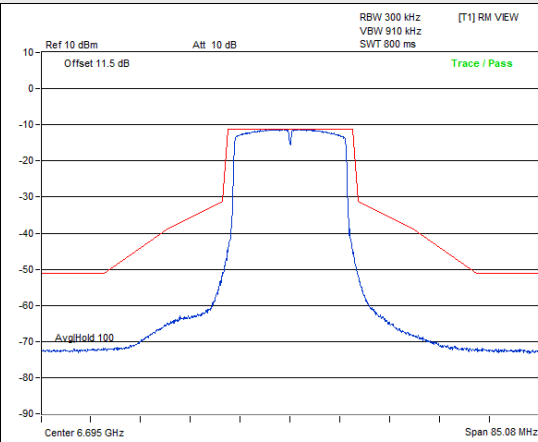
802.11ax (HE20)



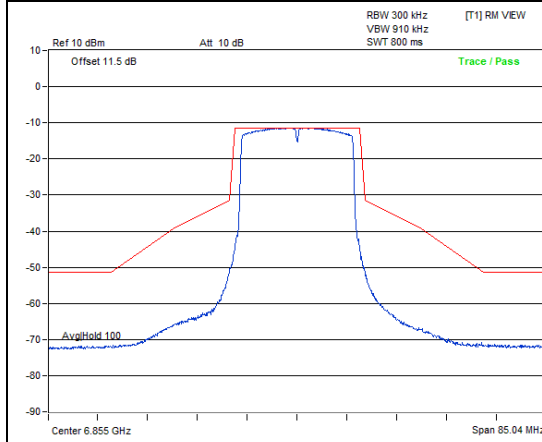
Spectrum Plot



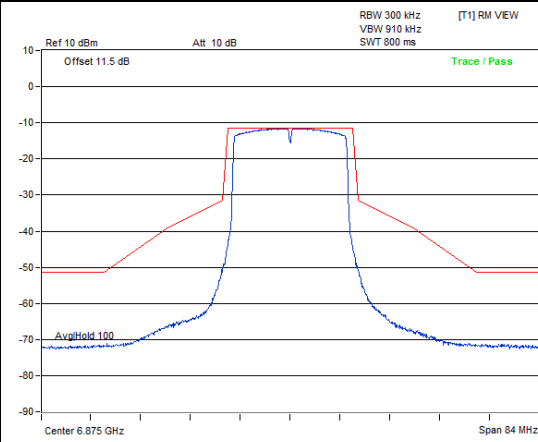
802.11ax (HE20) / Chain 0: CH 117



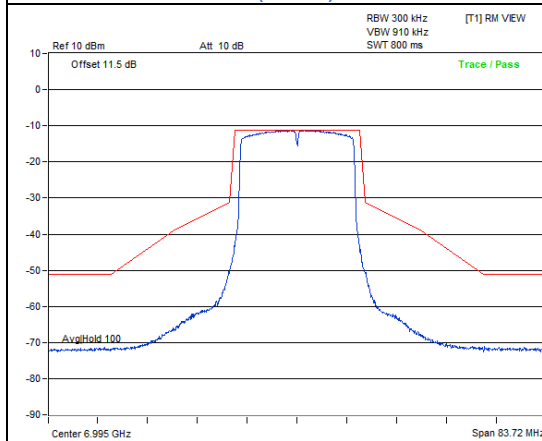
802.11ax (HE20) / Chain 0: CH 149



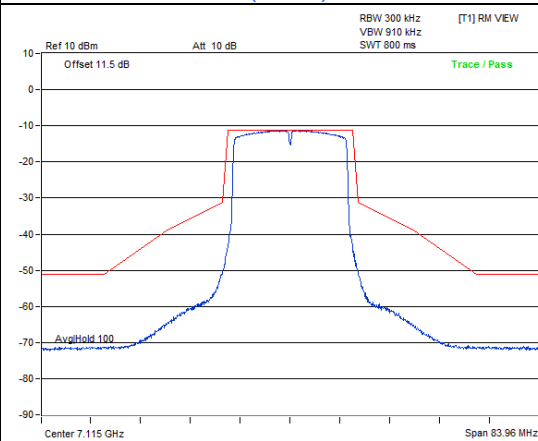
802.11ax (HE20) / Chain 0: CH 181



802.11ax (HE20) / Chain 0: CH 185

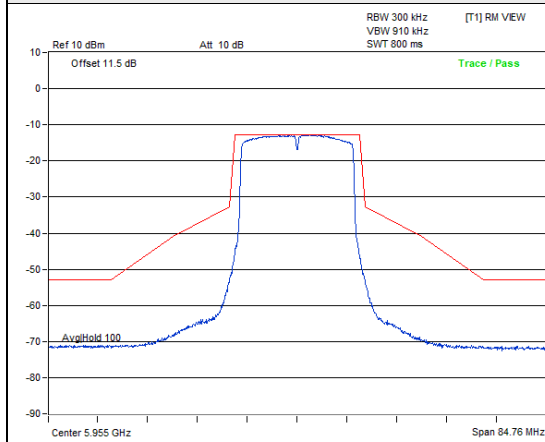


802.11ax (HE20) / Chain 0: CH 209

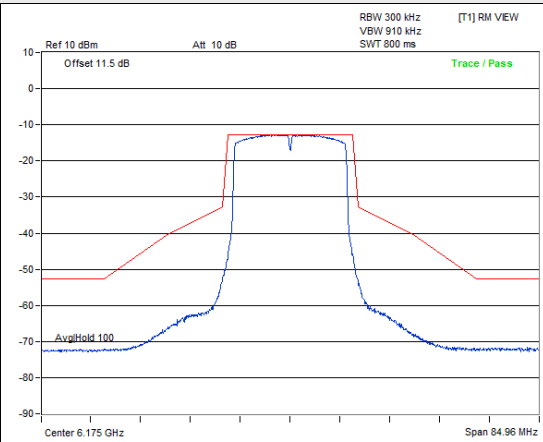


802.11ax (HE20) / Chain 0: CH 233

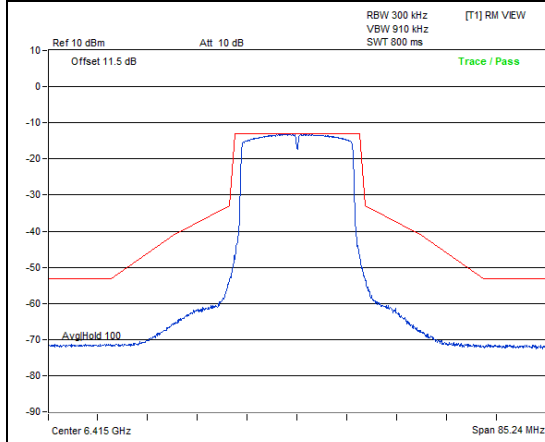
Spectrum Plot



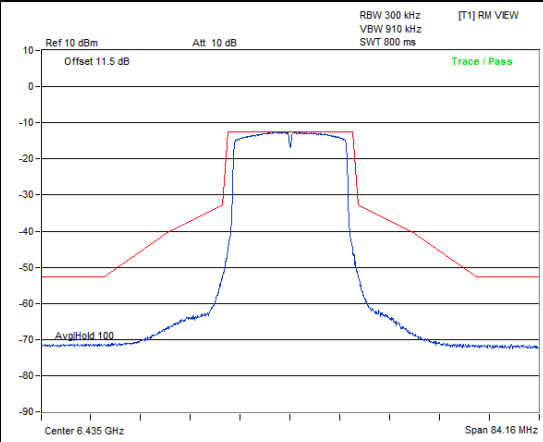
802.11ax (HE20) / Chain 1: CH 1



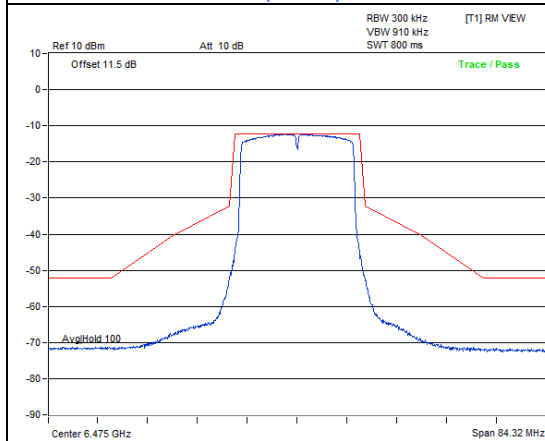
802.11ax (HE20) / Chain 1: CH 45



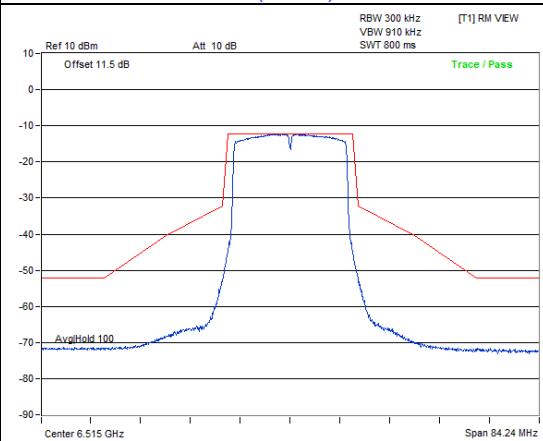
802.11ax (HE20) / Chain 1: CH 93



802.11ax (HE20) / Chain 1: CH 97

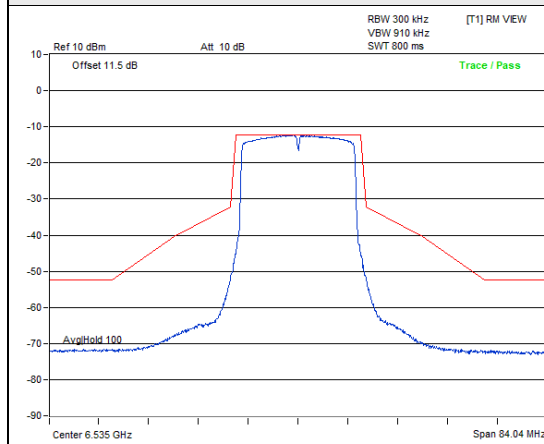


802.11ax (HE20) / Chain 1: CH 105

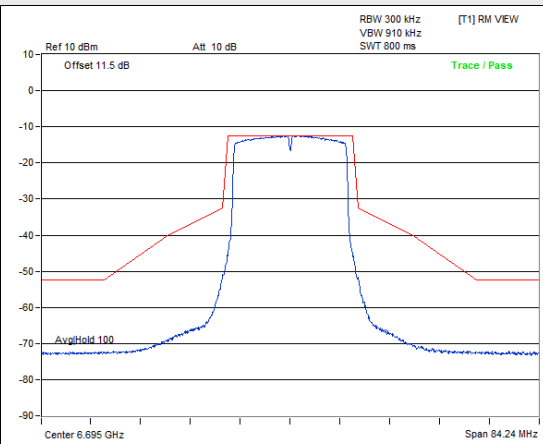


802.11ax (HE20) / Chain 1: CH 113

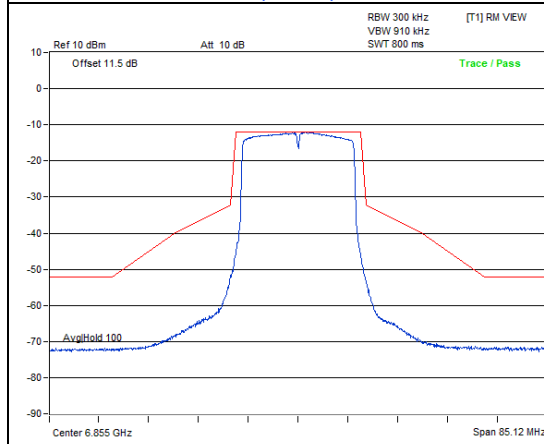
Spectrum Plot



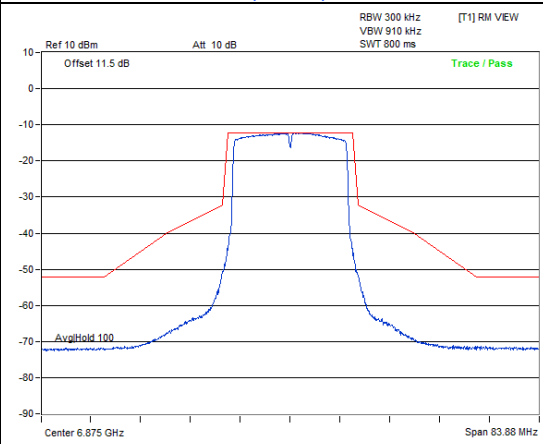
802.11ax (HE20) / Chain 1: CH 117



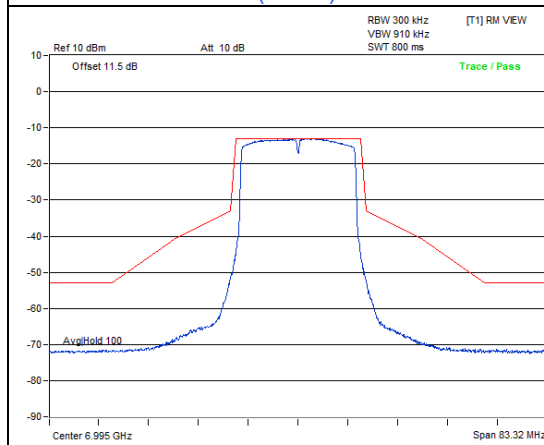
802.11ax (HE20) / Chain 1: CH 149



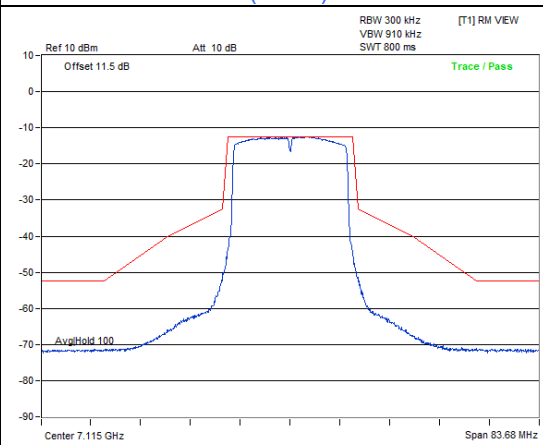
802.11ax (HE20) / Chain 1: CH 181



802.11ax (HE20) / Chain 1: CH 185

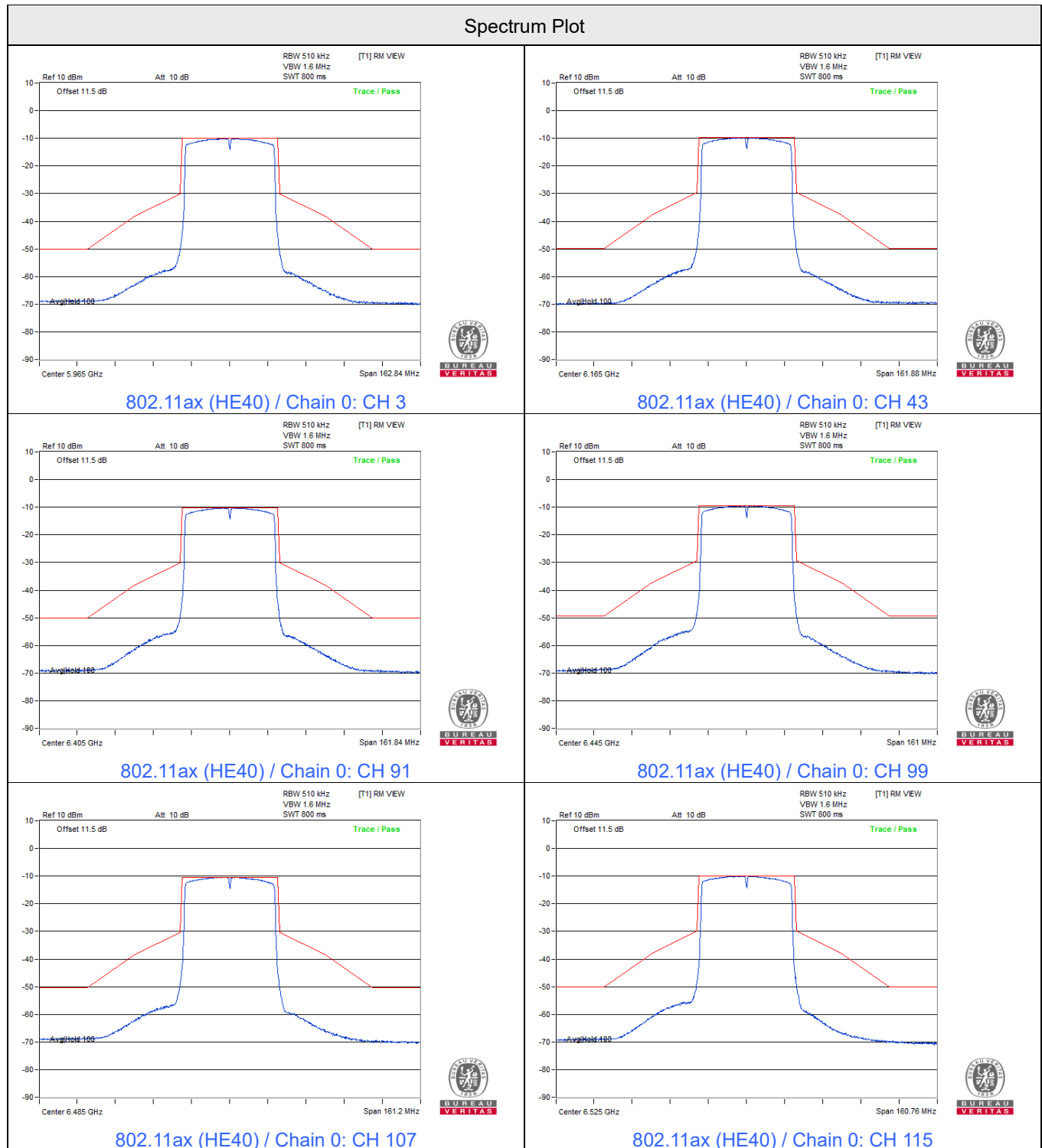


802.11ax (HE20) / Chain 1: CH 209

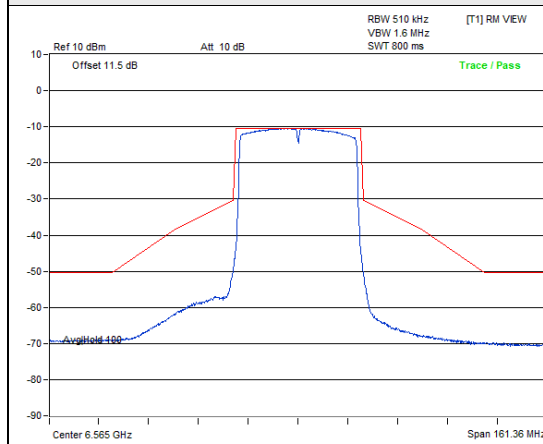


802.11ax (HE20) / Chain 1: CH 233

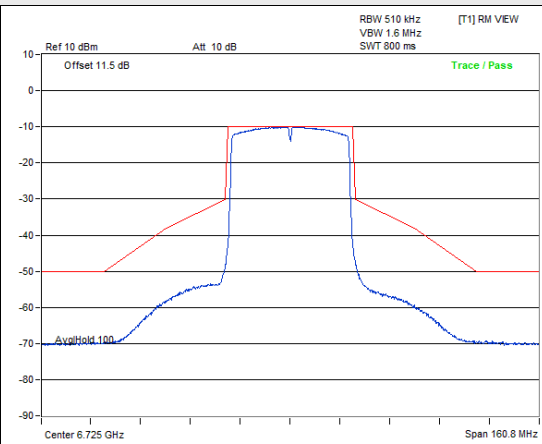
802.11ax (HE40)



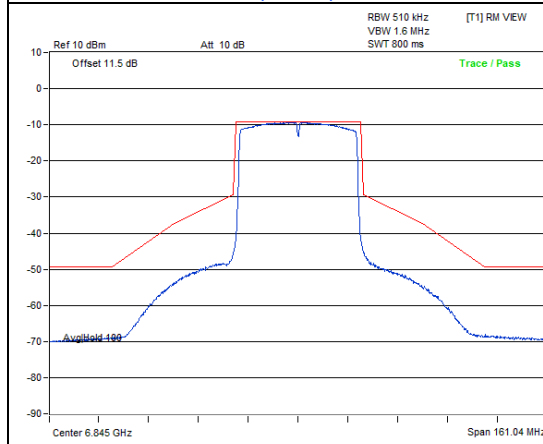
Spectrum Plot



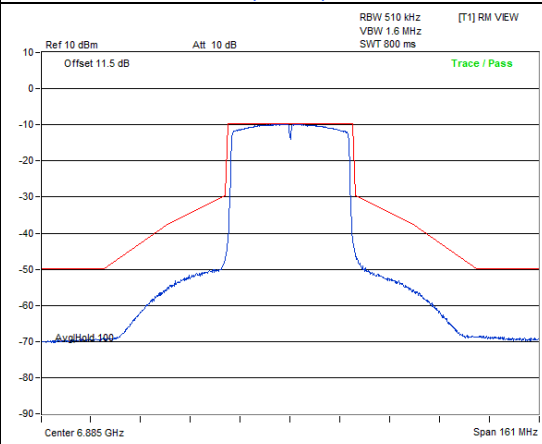
802.11ax (HE40) / Chain 0: CH 123



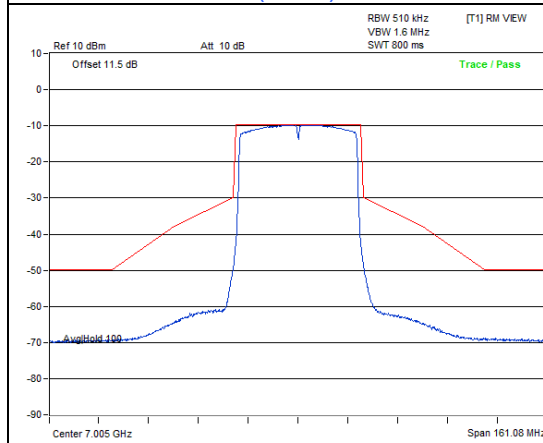
802.11ax (HE40) / Chain 0: CH 155



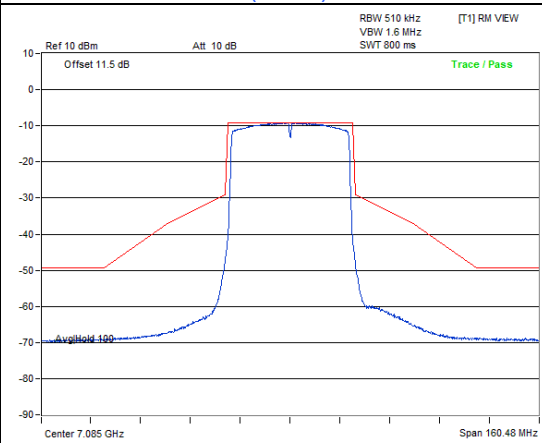
802.11ax (HE40) / Chain 0: CH 179



802.11ax (HE40) / Chain 0: CH 187

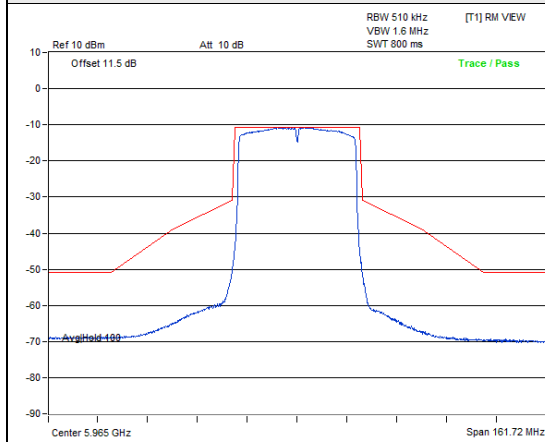


802.11ax (HE40) / Chain 0: CH 211

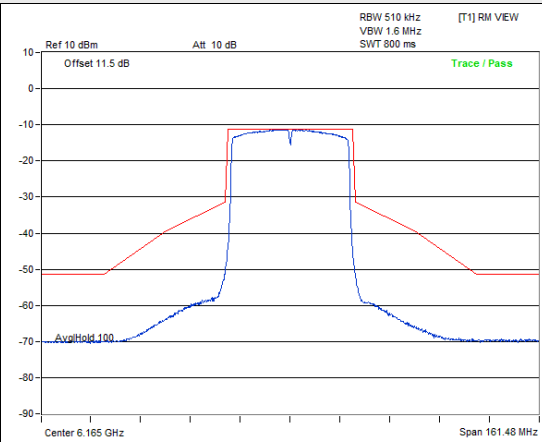


802.11ax (HE40) / Chain 0: CH 227

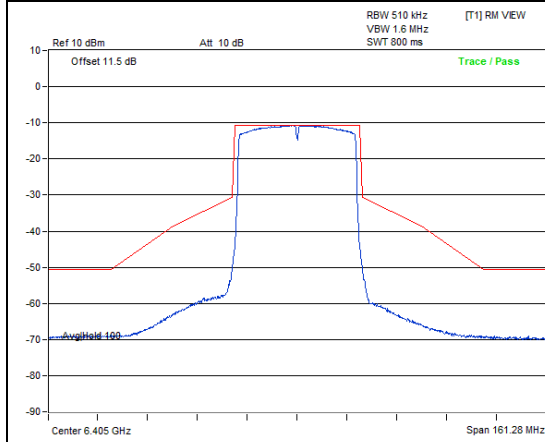
Spectrum Plot



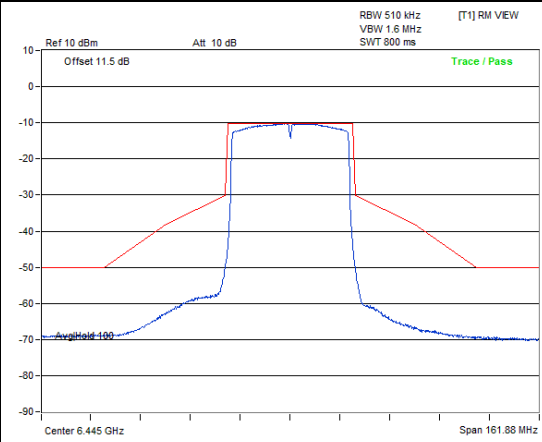
802.11ax (HE40) / Chain 1: CH 3



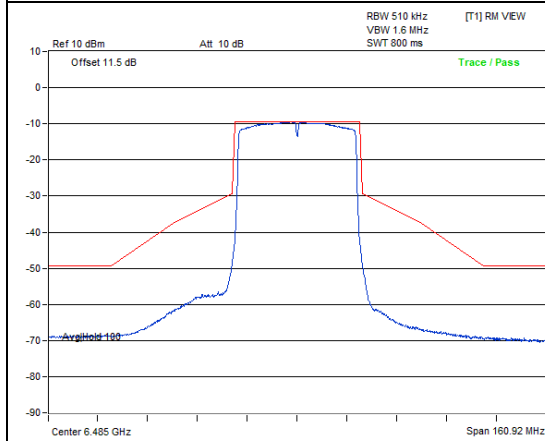
802.11ax (HE40) / Chain 1: CH 43



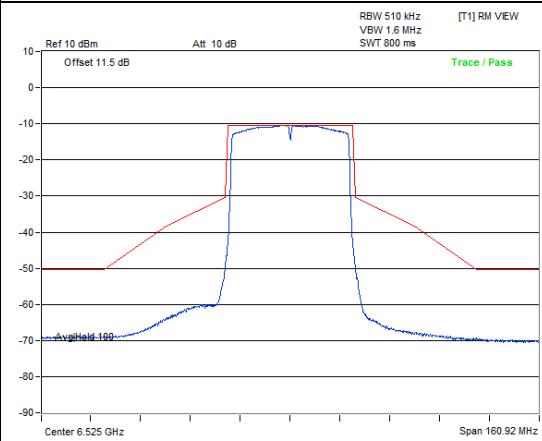
802.11ax (HE40) / Chain 1: CH 91



802.11ax (HE40) / Chain 1: CH 99

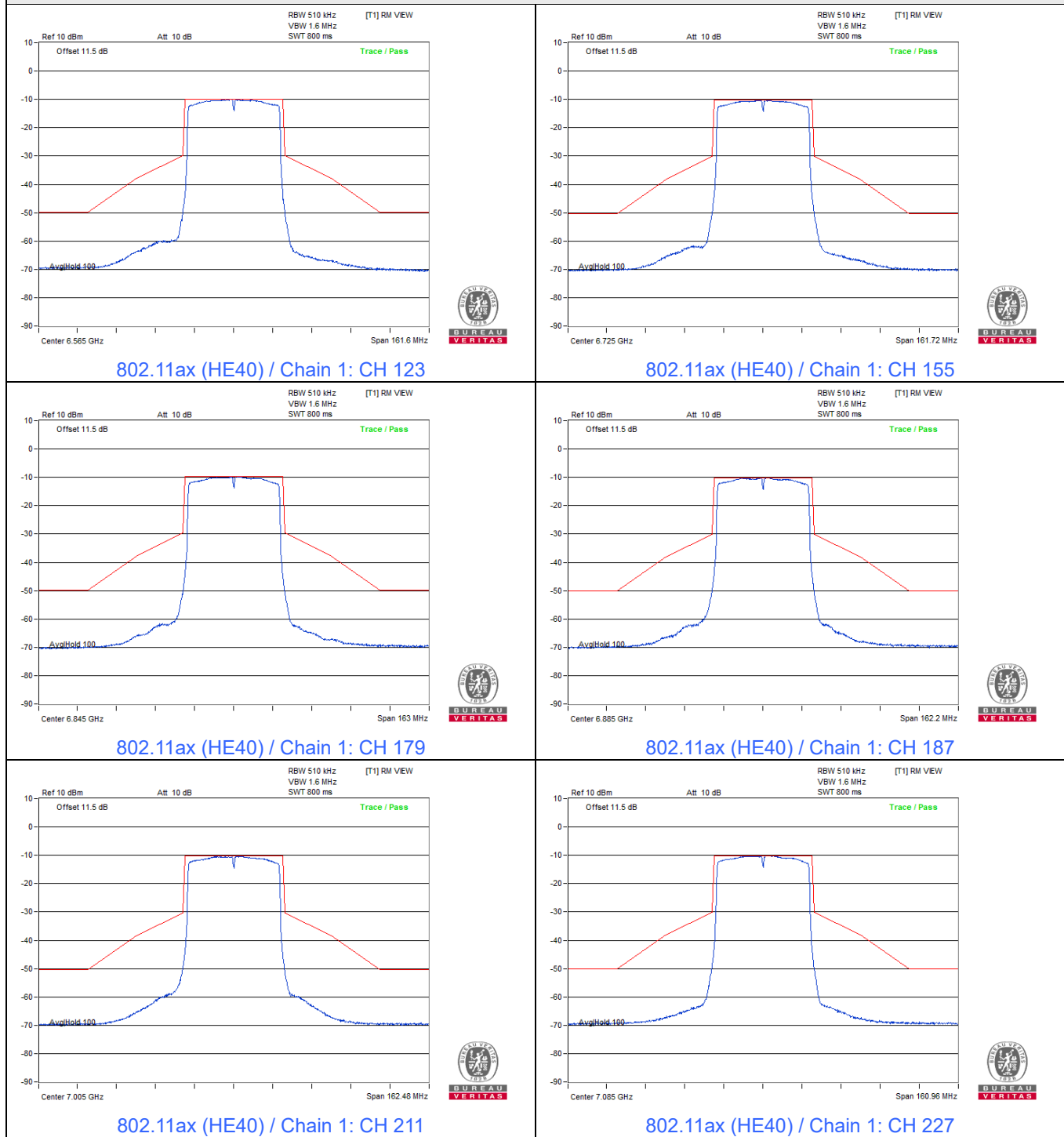


802.11ax (HE40) / Chain 1: CH 107



802.11ax (HE40) / Chain 1: CH 115

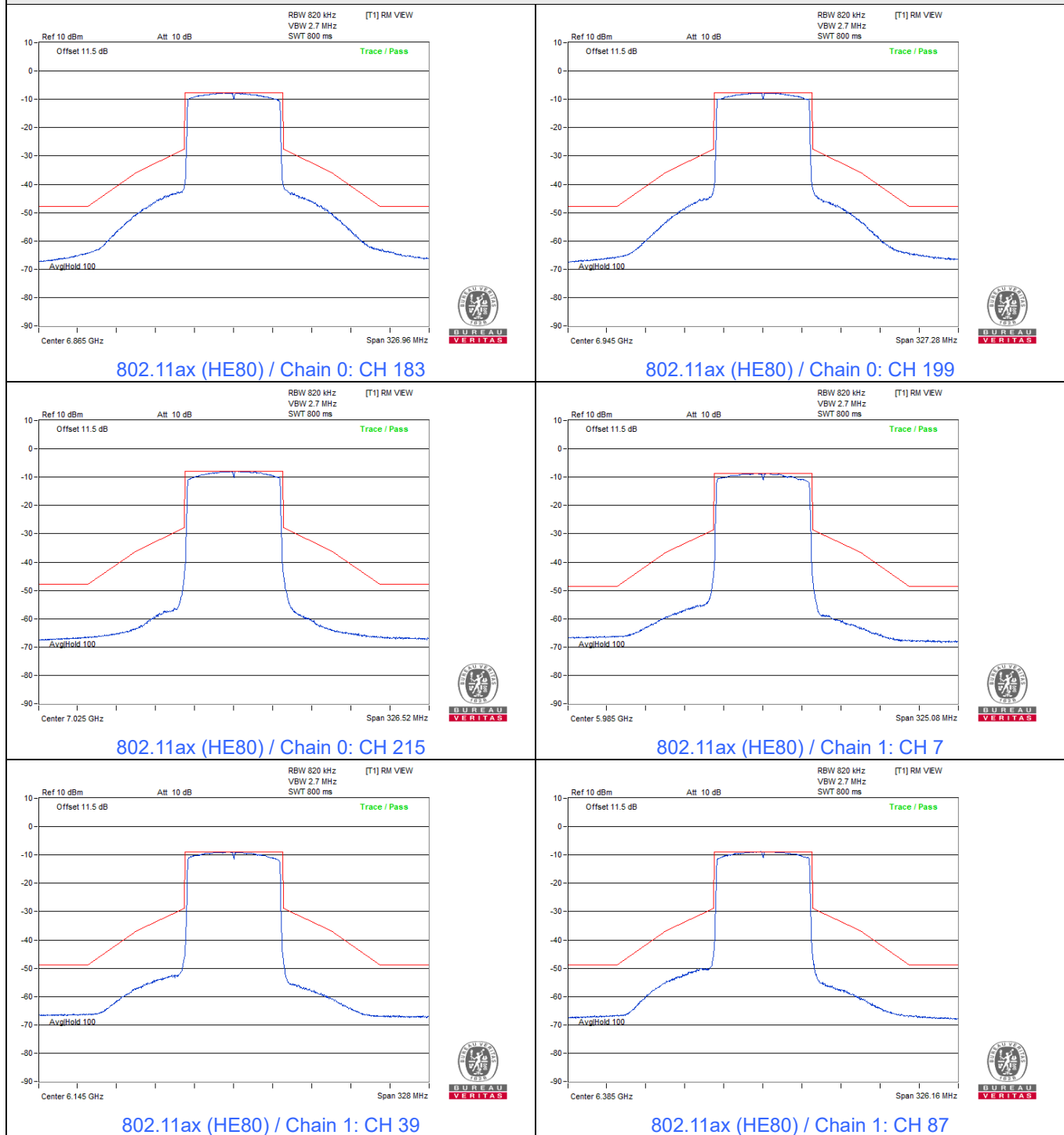
Spectrum Plot



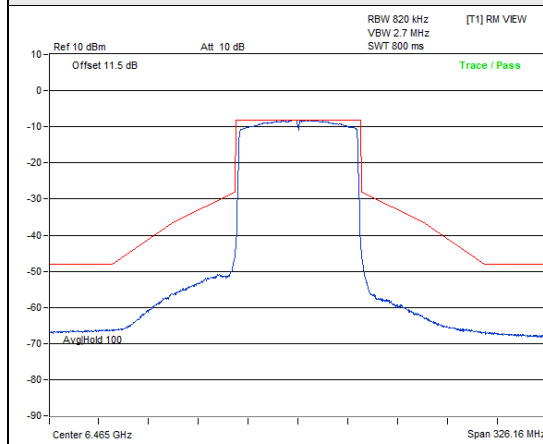
802.11ax (HE80)



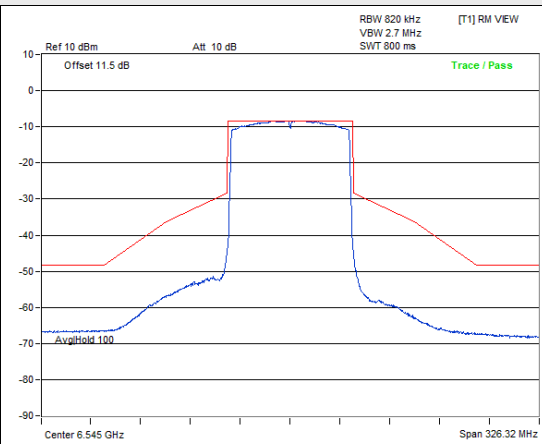
Spectrum Plot



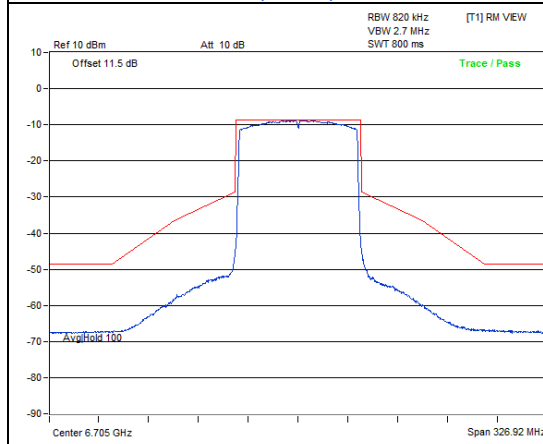
Spectrum Plot



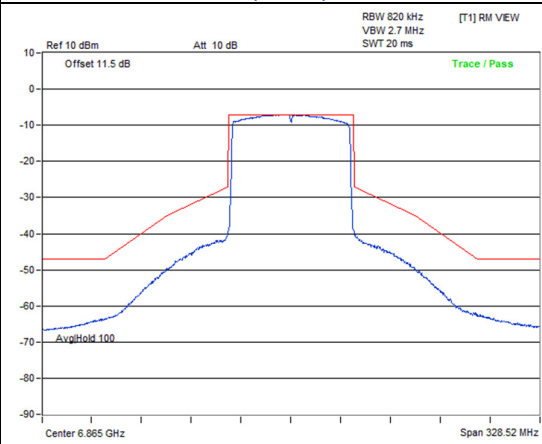
802.11ax (HE80) / Chain 1: CH 103



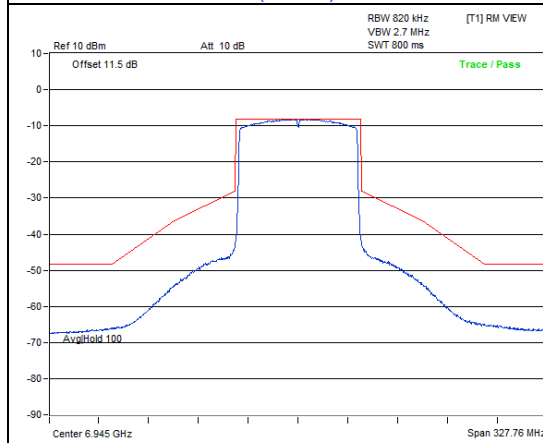
802.11ax (HE80) / Chain 1: CH 119



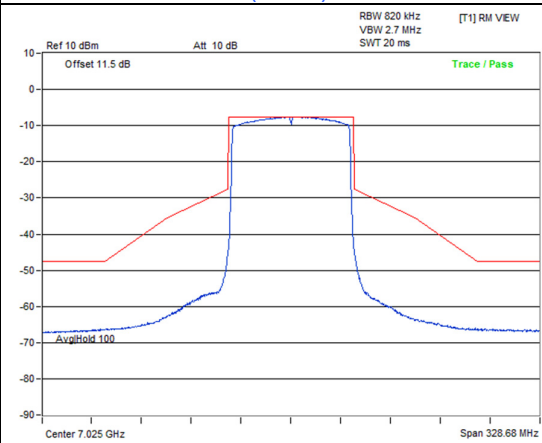
802.11ax (HE80) / Chain 1: CH 151



802.11ax (HE80) / Chain 1: CH 183



802.11ax (HE80) / Chain 1: CH 199

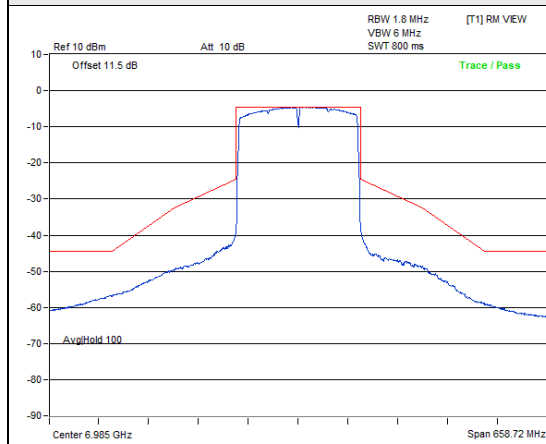


802.11ax (HE80) / Chain 1: CH 215

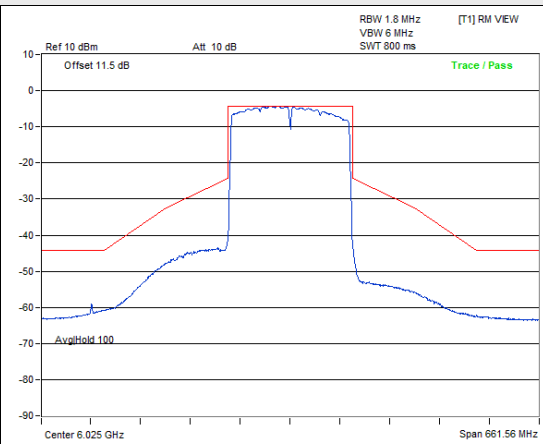
802.11ax (HE160)



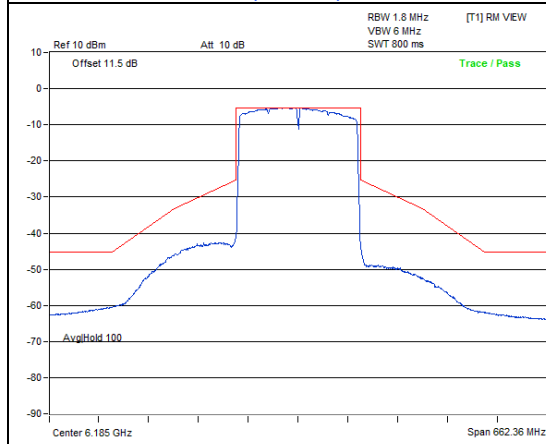
Spectrum Plot



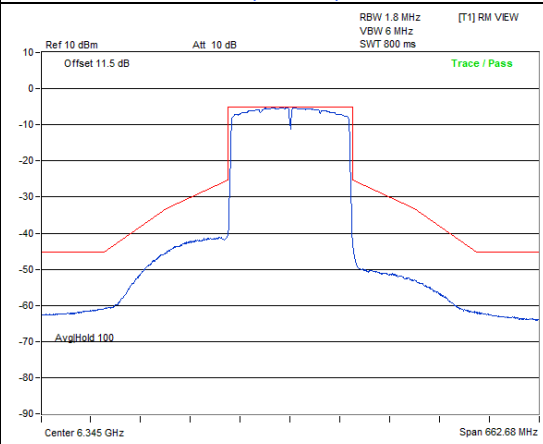
802.11ax (HE160) / Chain 0: CH 207



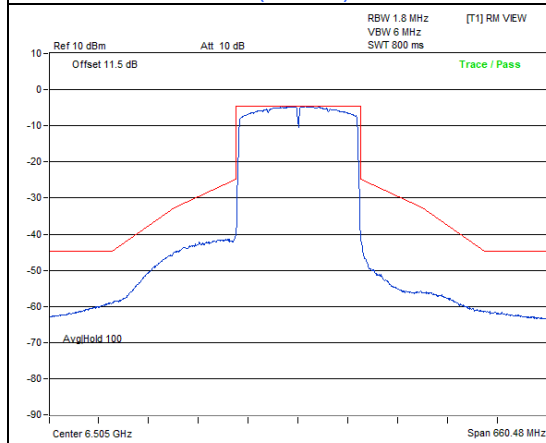
802.11ax (HE160) / Chain 1: CH 15



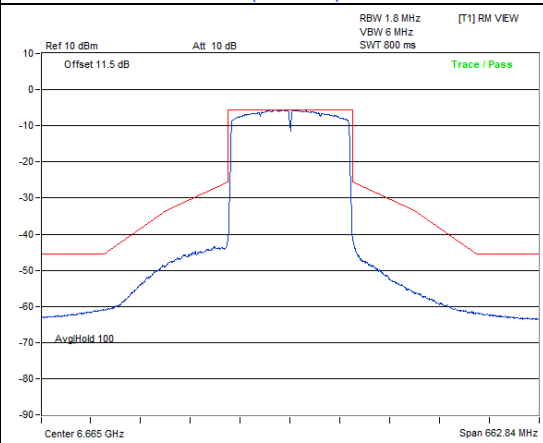
802.11ax (HE160) / Chain 1: CH 47



802.11ax (HE160) / Chain 1: CH 79

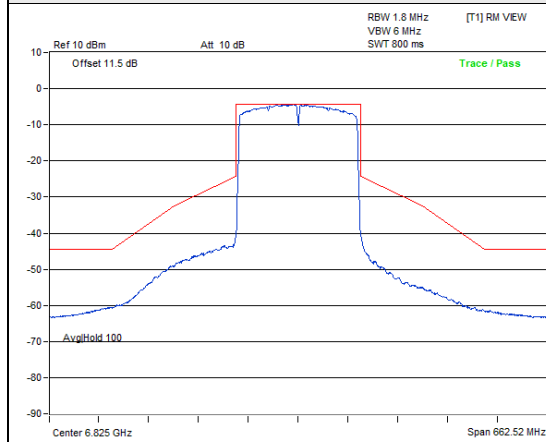


802.11ax (HE160) / Chain 1: CH 111

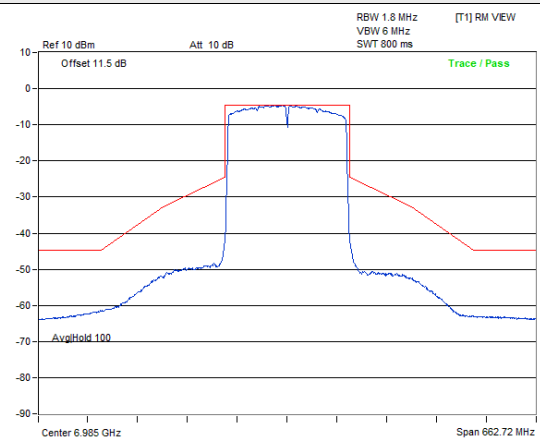


802.11ax (HE160) / Chain 1: CH 143

Spectrum Plot

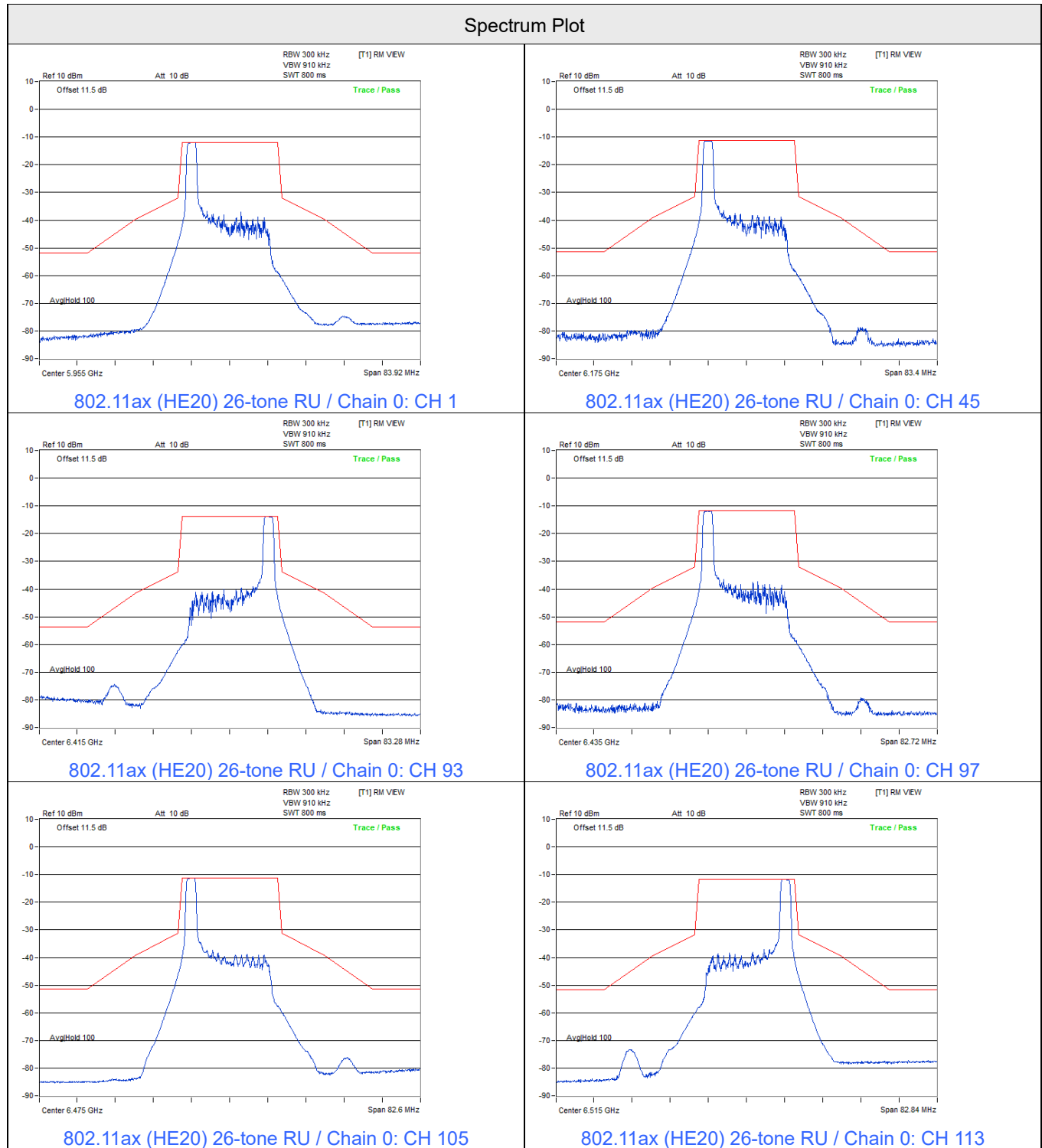


802.11ax (HE160) / Chain 1: CH 175

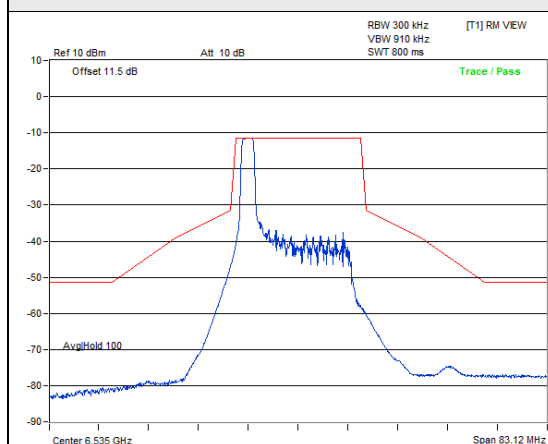


802.11ax (HE160) / Chain 1: CH 207

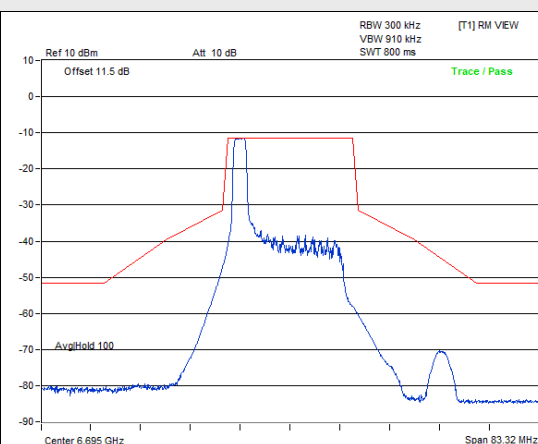
802.11ax (HE20) 26-tone RU



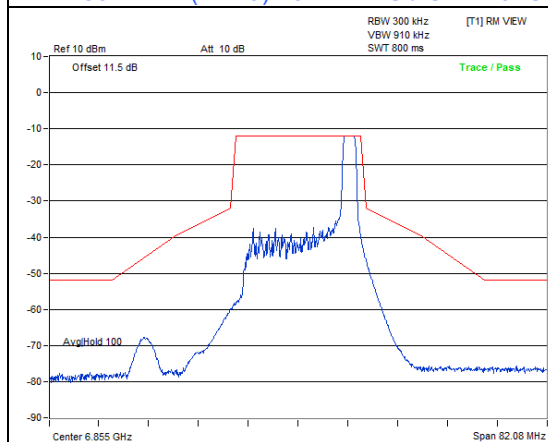
Spectrum Plot



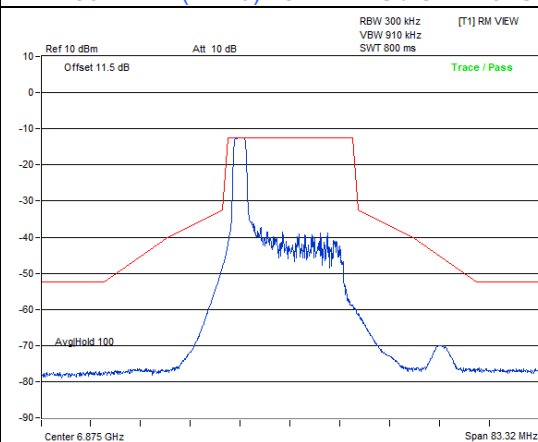
802.11ax (HE20) 26-tone RU / Chain 0: CH 117



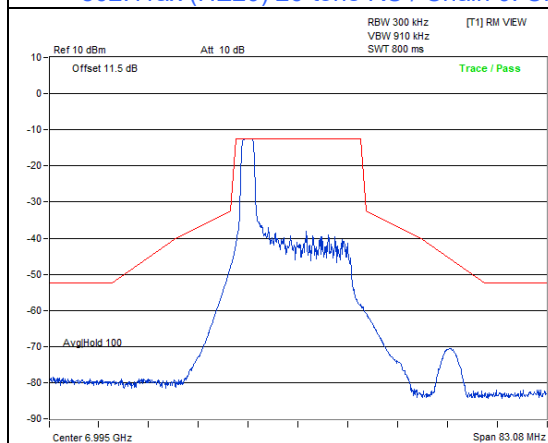
802.11ax (HE20) 26-tone RU / Chain 0: CH 149



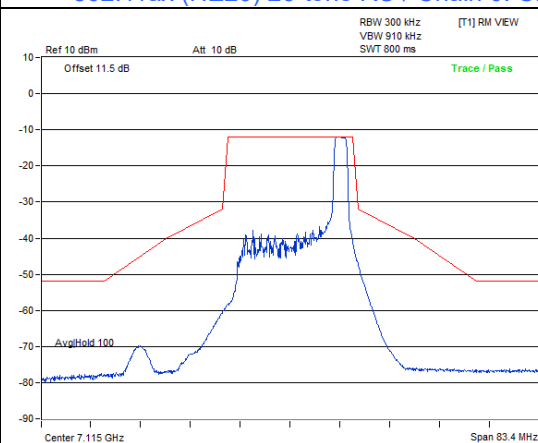
802.11ax (HE20) 26-tone RU / Chain 0: CH 181



802.11ax (HE20) 26-tone RU / Chain 0: CH 185

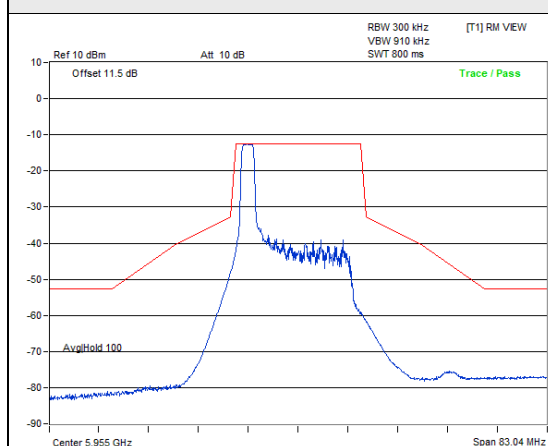


802.11ax (HE20) 26-tone RU / Chain 0: CH 209

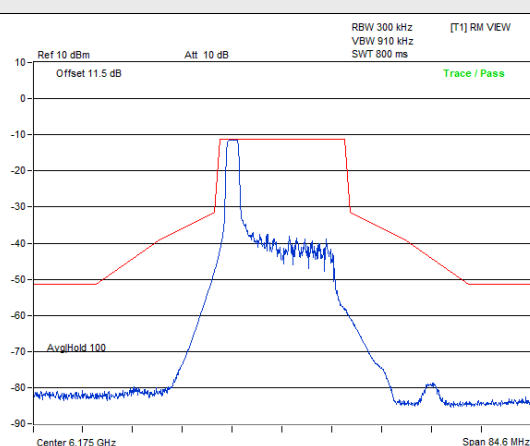


802.11ax (HE20) 26-tone RU / Chain 0: CH 233

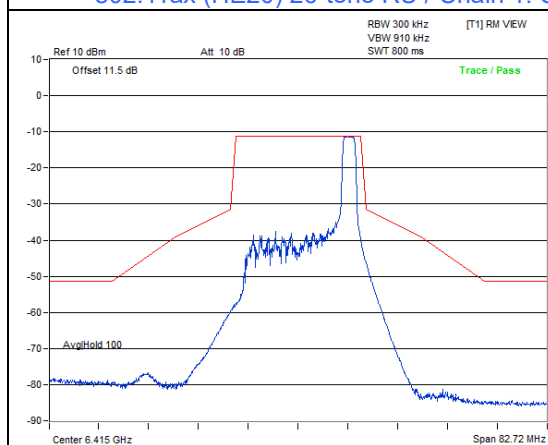
Spectrum Plot



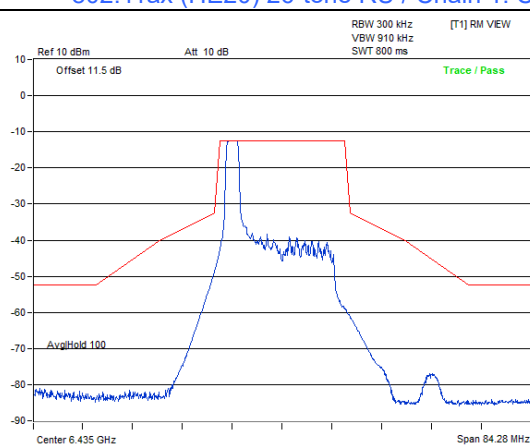
802.11ax (HE20) 26-tone RU / Chain 1: CH 1



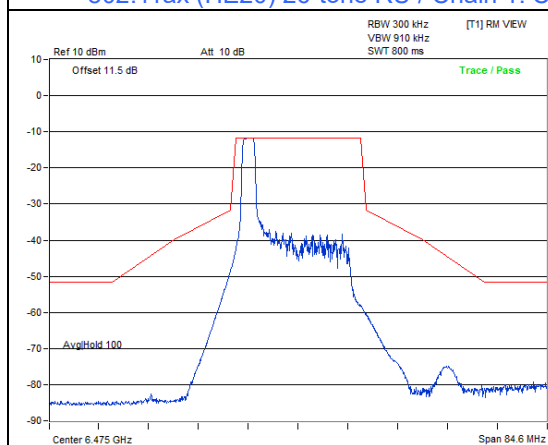
802.11ax (HE20) 26-tone RU / Chain 1: CH 45



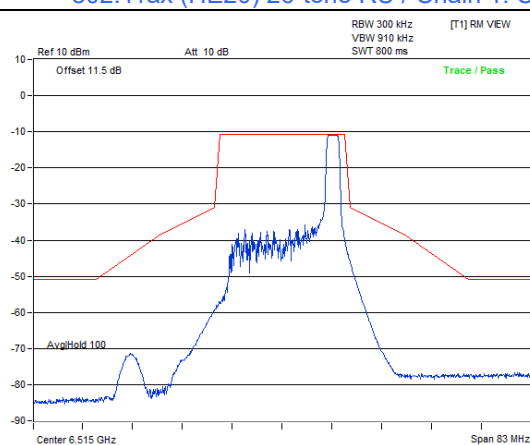
802.11ax (HE20) 26-tone RU / Chain 1: CH 93



802.11ax (HE20) 26-tone RU / Chain 1: CH 97

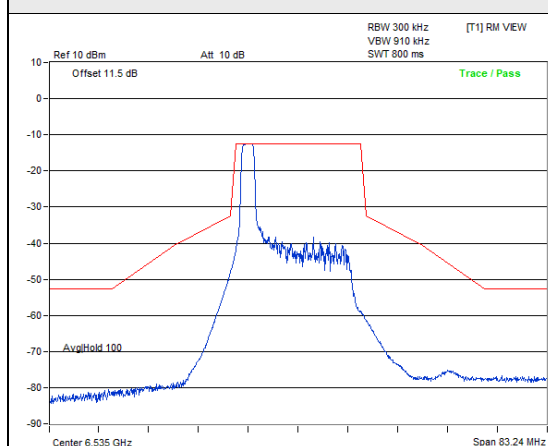


802.11ax (HE20) 26-tone RU / Chain 1: CH 105

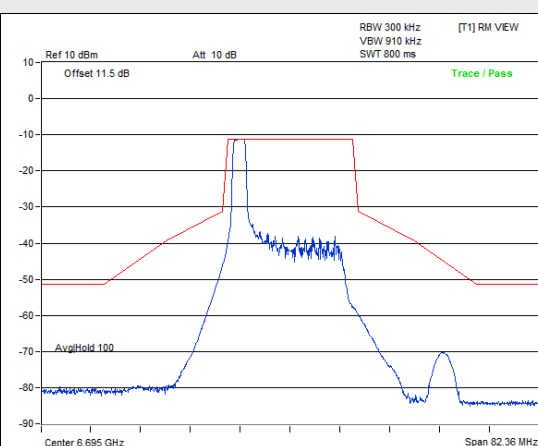


802.11ax (HE20) 26-tone RU / Chain 1: CH 113

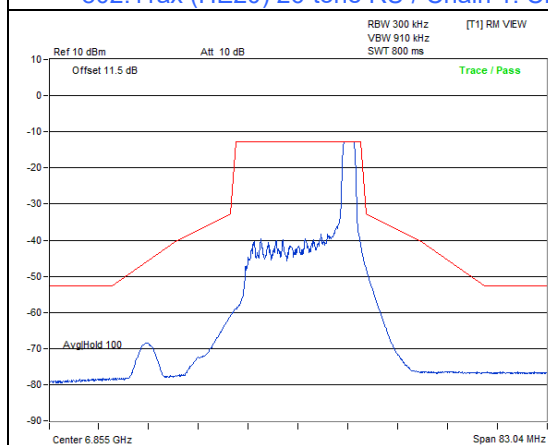
Spectrum Plot



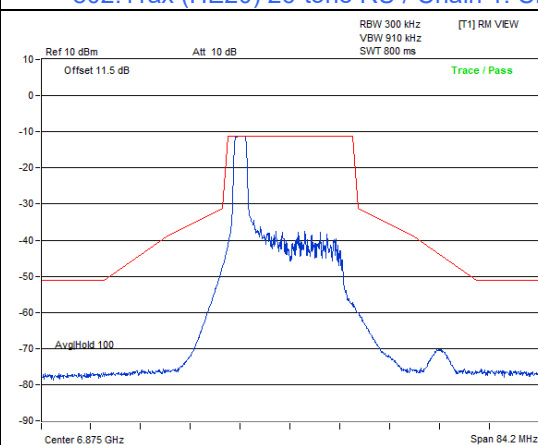
802.11ax (HE20) 26-tone RU / Chain 1: CH 117



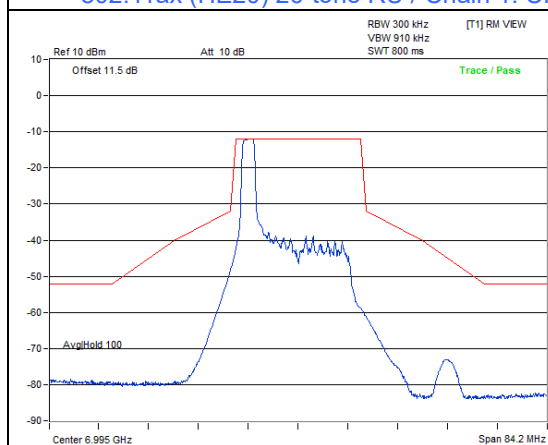
802.11ax (HE20) 26-tone RU / Chain 1: CH 149



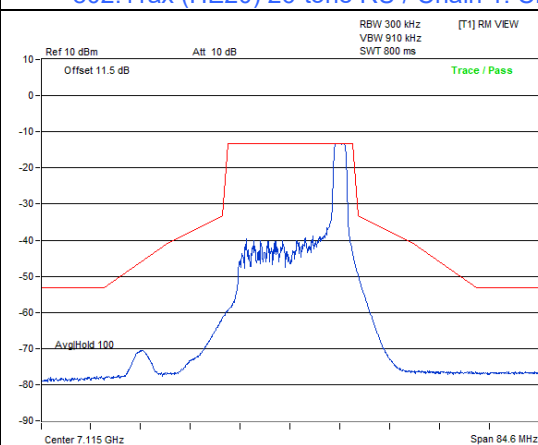
802.11ax (HE20) 26-tone RU / Chain 1: CH 181



802.11ax (HE20) 26-tone RU / Chain 1: CH 185



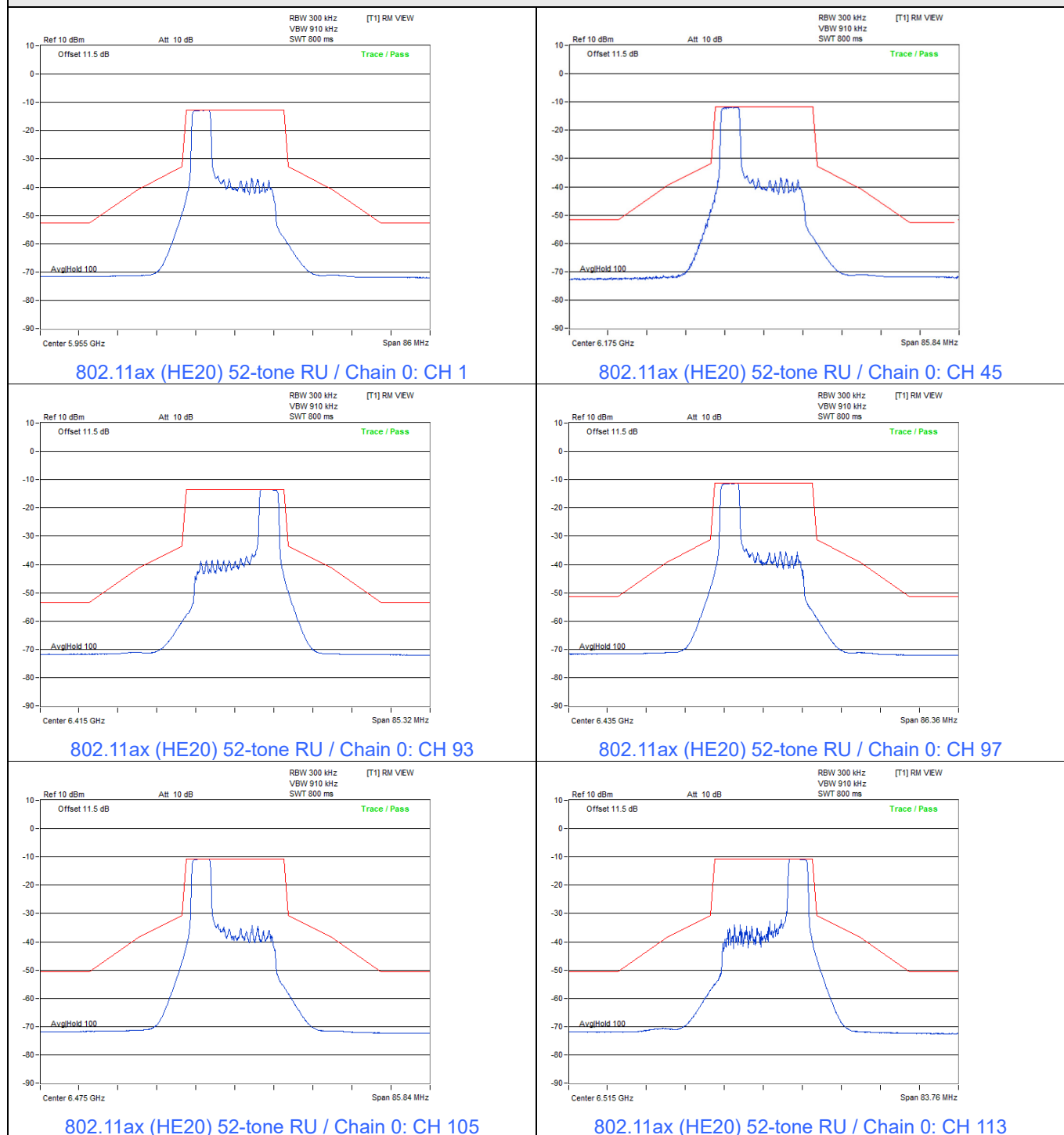
802.11ax (HE20) 26-tone RU / Chain 1: CH 209



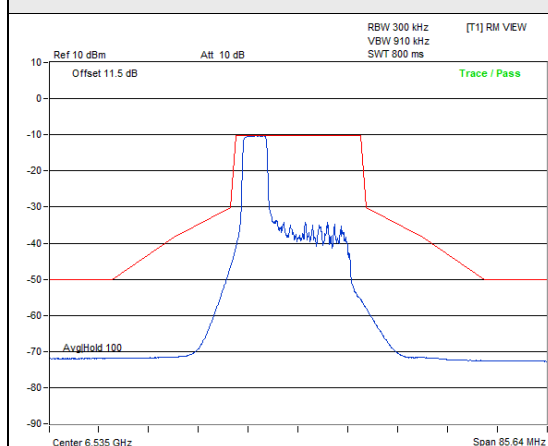
802.11ax (HE20) 26-tone RU / Chain 1: CH 233

802.11ax (HE20) 52-tone RU

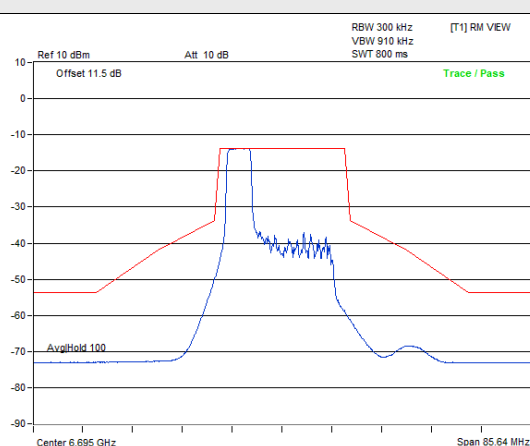
Spectrum Plot



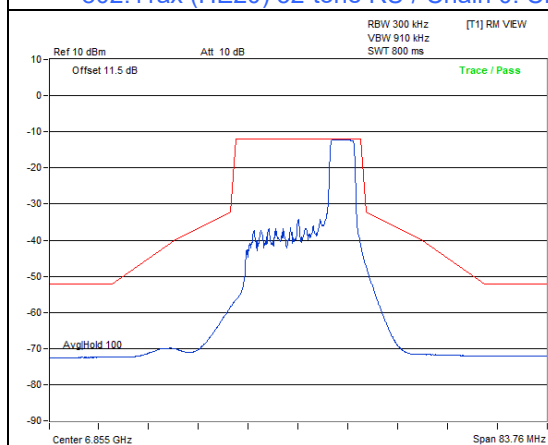
Spectrum Plot



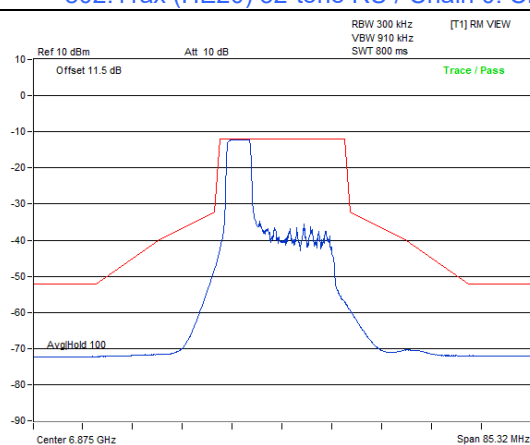
802.11ax (HE20) 52-tone RU / Chain 0: CH 117



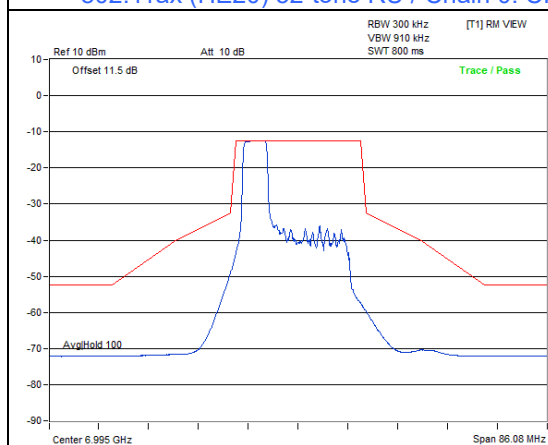
802.11ax (HE20) 52-tone RU / Chain 0: CH 149



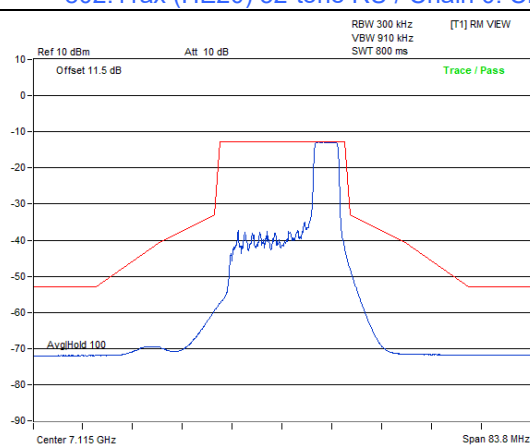
802.11ax (HE20) 52-tone RU / Chain 0: CH 181



802.11ax (HE20) 52-tone RU / Chain 0: CH 185

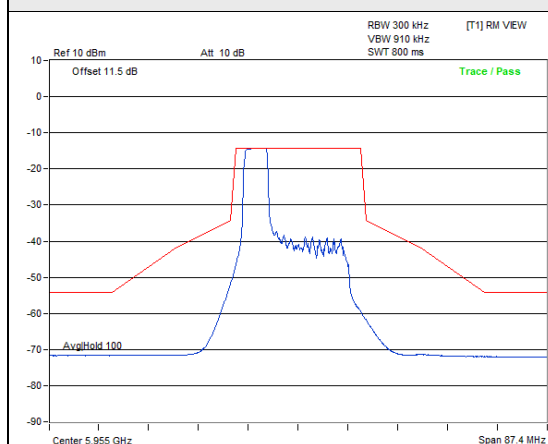


802.11ax (HE20) 52-tone RU / Chain 0: CH 209

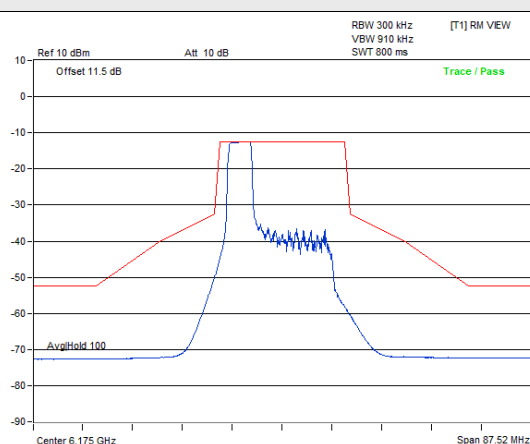


802.11ax (HE20) 52-tone RU / Chain 0: CH 233

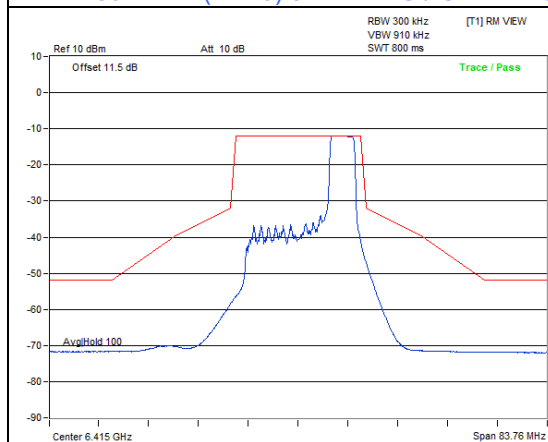
Spectrum Plot



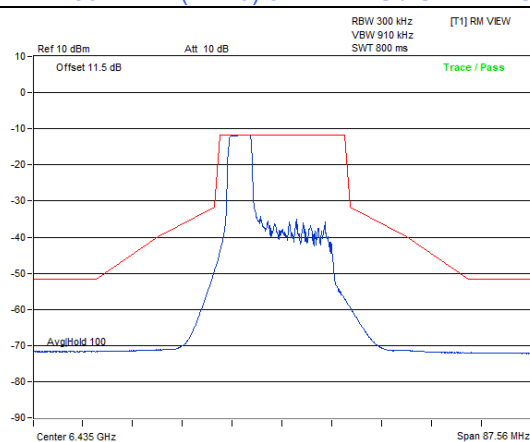
802.11ax (HE20) 52-tone RU / Chain 1: CH 1



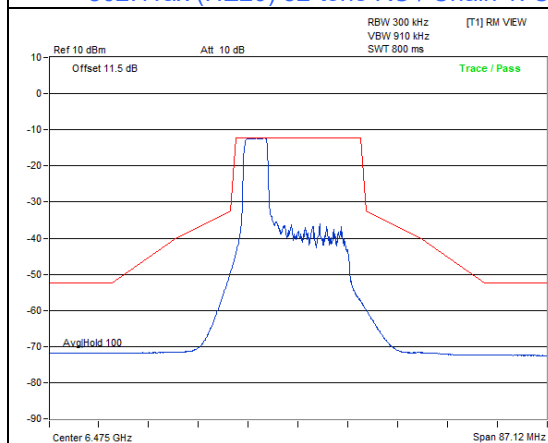
802.11ax (HE20) 52-tone RU / Chain 1: CH 45



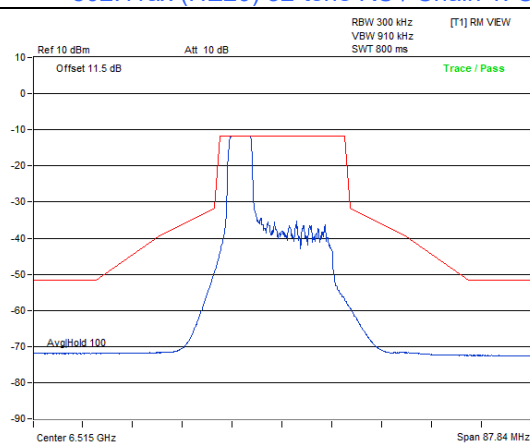
802.11ax (HE20) 52-tone RU / Chain 1: CH 93



802.11ax (HE20) 52-tone RU / Chain 1: CH 97

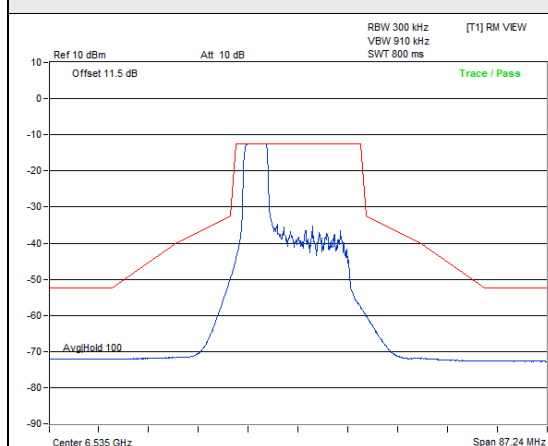


802.11ax (HE20) 52-tone RU / Chain 1: CH 105

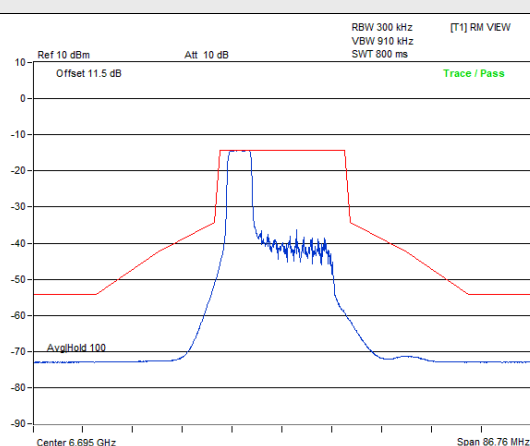


802.11ax (HE20) 52-tone RU / Chain 1: CH 113

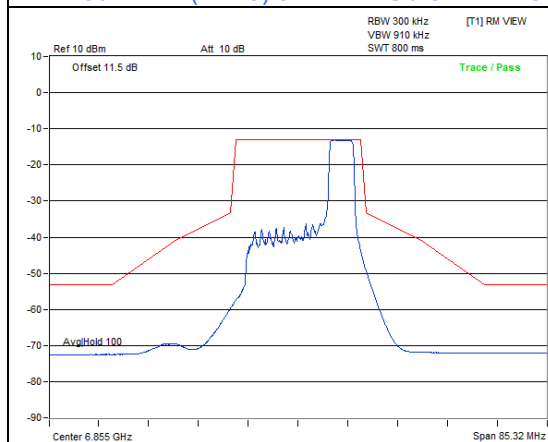
Spectrum Plot



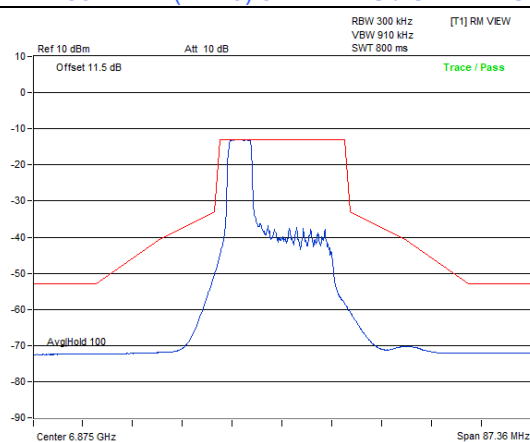
802.11ax (HE20) 52-tone RU / Chain 1: CH 117



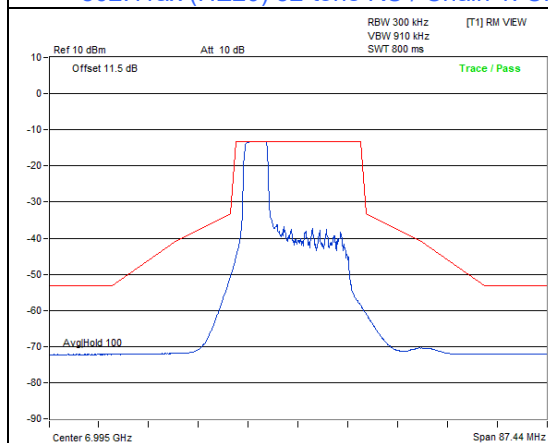
802.11ax (HE20) 52-tone RU / Chain 1: CH 149



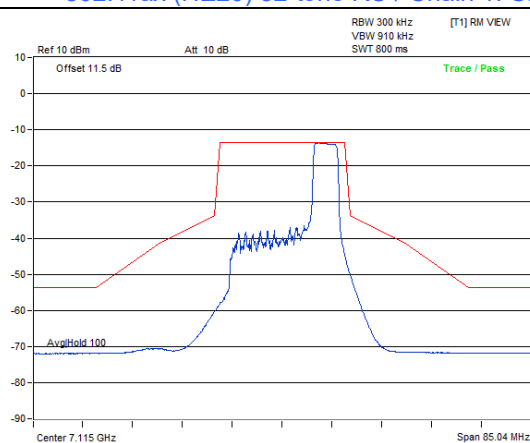
802.11ax (HE20) 52-tone RU / Chain 1: CH 181



802.11ax (HE20) 52-tone RU / Chain 1: CH 185

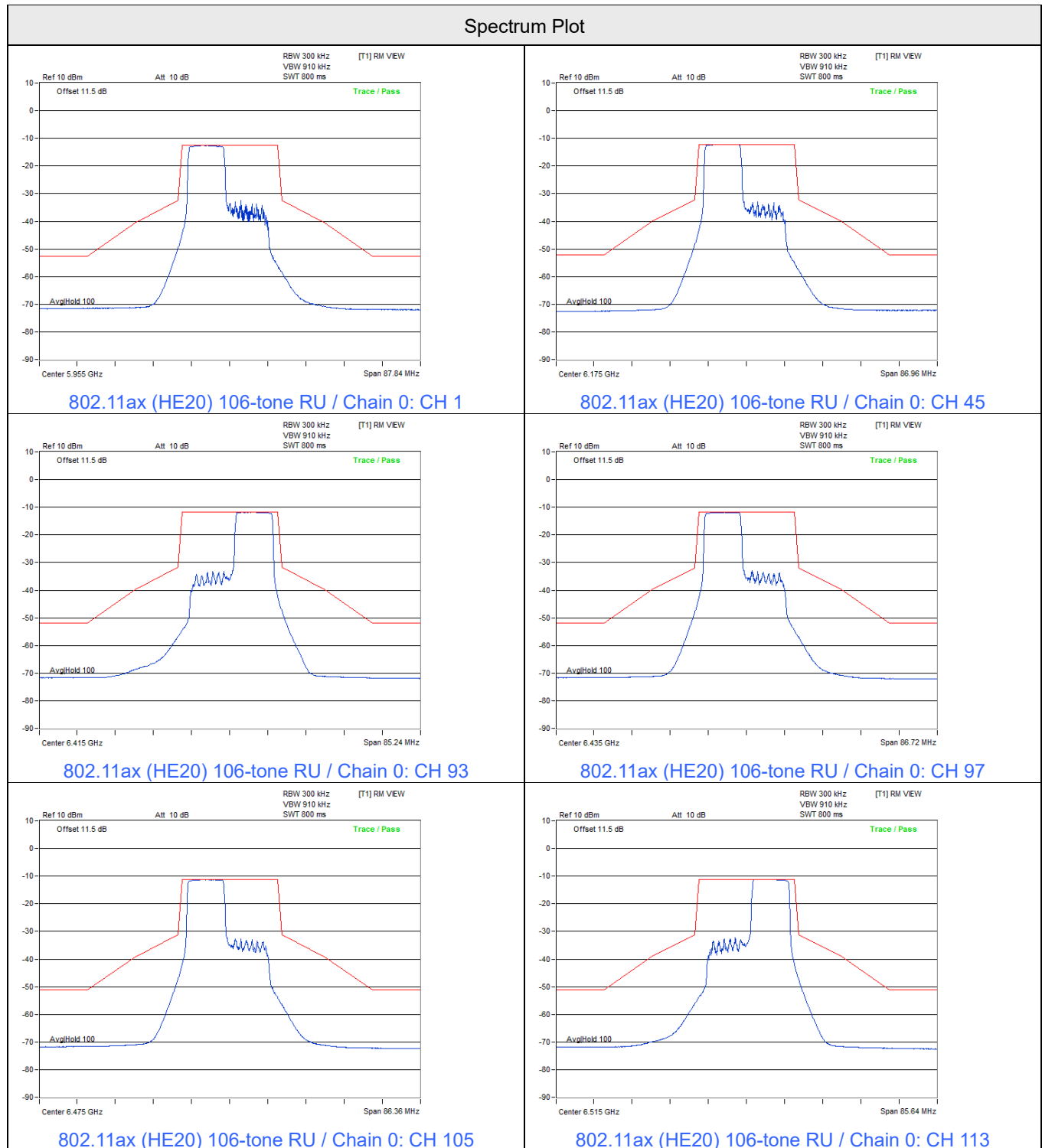


802.11ax (HE20) 52-tone RU / Chain 1: CH 209

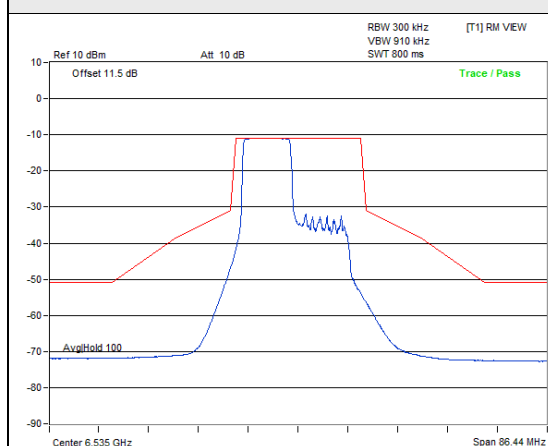


802.11ax (HE20) 52-tone RU / Chain 1: CH 233

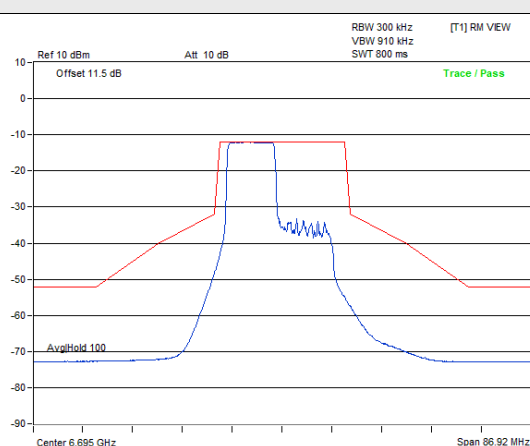
802.11ax (HE20) 106-tone RU



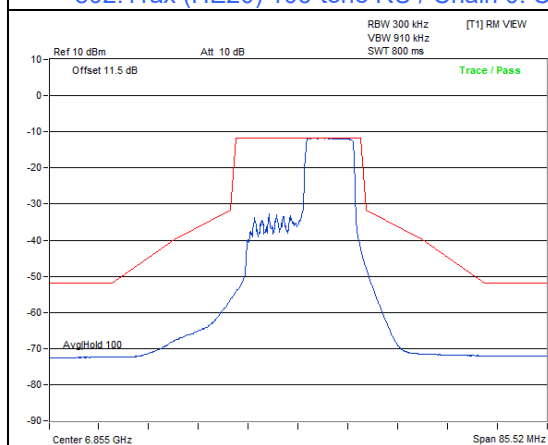
Spectrum Plot



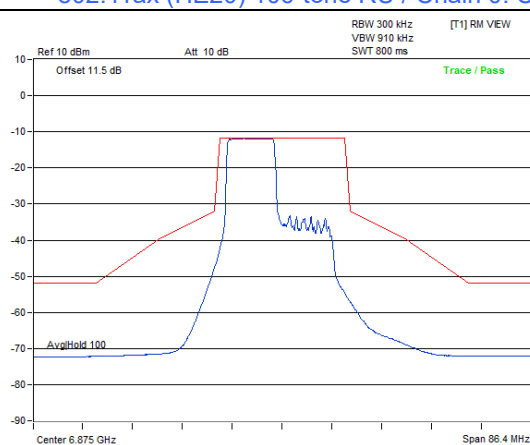
802.11ax (HE20) 106-tone RU / Chain 0: CH 117



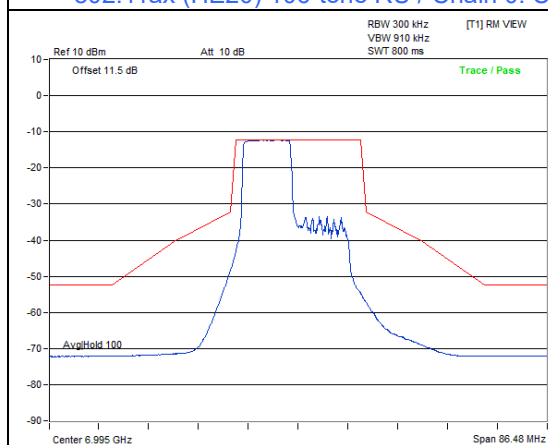
802.11ax (HE20) 106-tone RU / Chain 0: CH 149



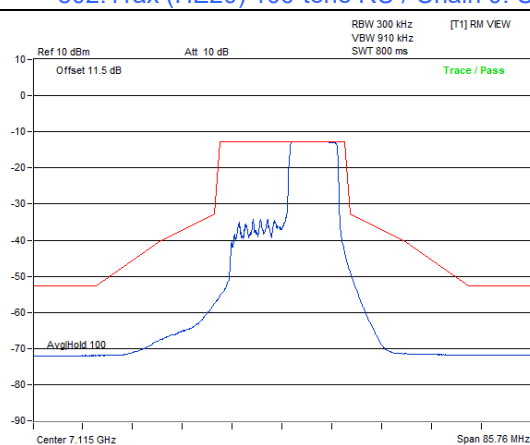
802.11ax (HE20) 106-tone RU / Chain 0: CH 181



802.11ax (HE20) 106-tone RU / Chain 0: CH 185

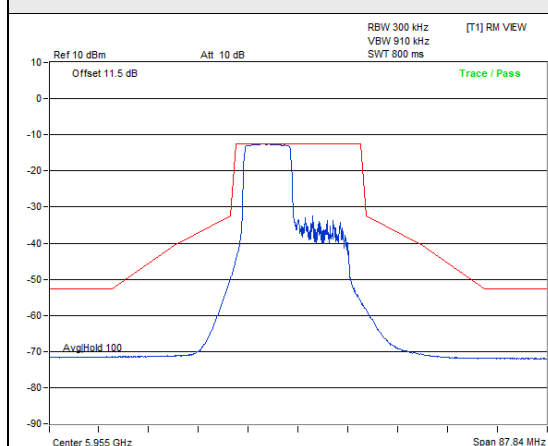


802.11ax (HE20) 106-tone RU / Chain 0: CH 209

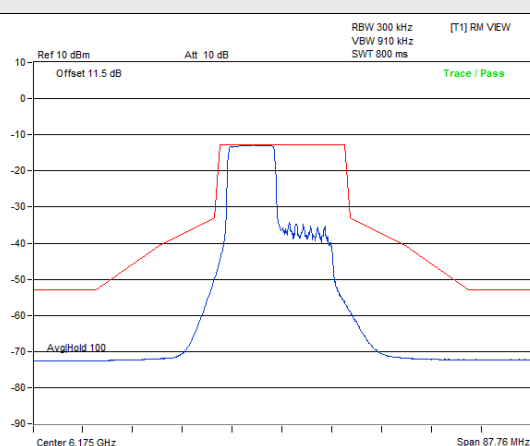


802.11ax (HE20) 106-tone RU / Chain 0: CH 233

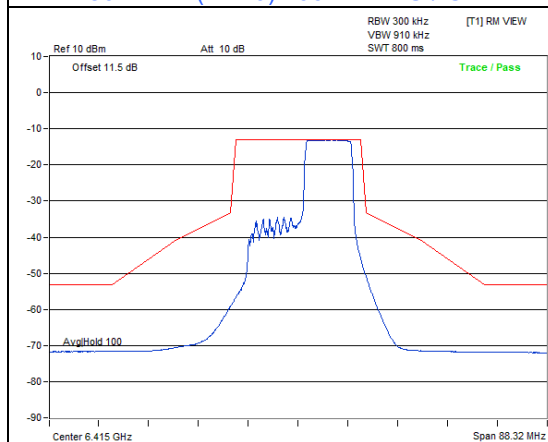
Spectrum Plot



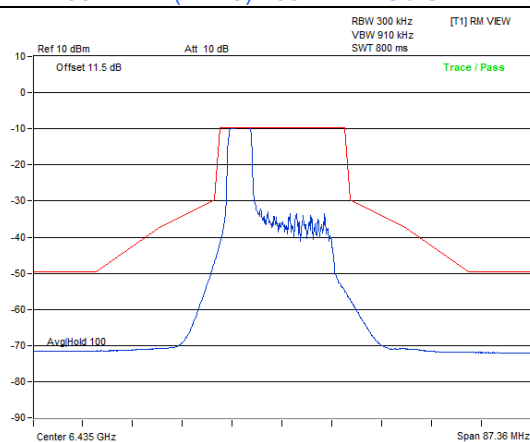
802.11ax (HE20) 106-tone RU / Chain 1: CH 1



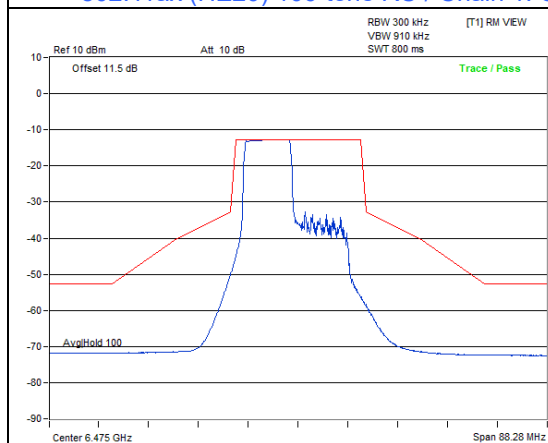
802.11ax (HE20) 106-tone RU / Chain 1: CH 45



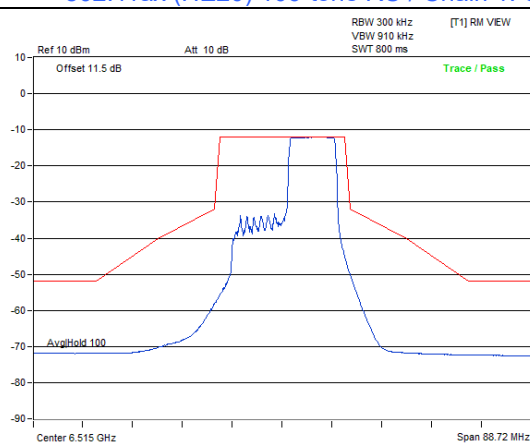
802.11ax (HE20) 106-tone RU / Chain 1: CH 93



802.11ax (HE20) 106-tone RU / Chain 1: CH 97

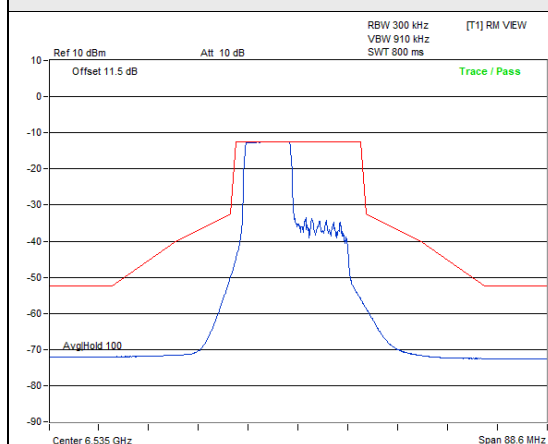


802.11ax (HE20) 106-tone RU / Chain 1: CH 105

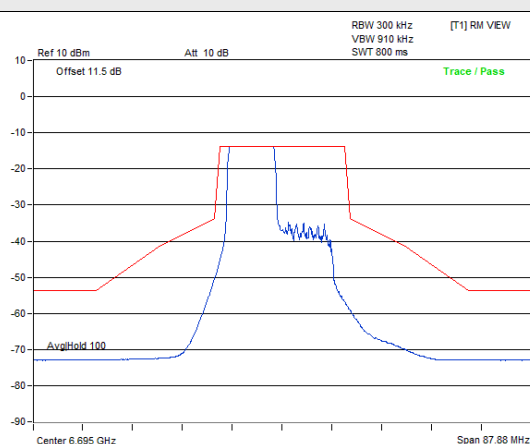


802.11ax (HE20) 106-tone RU / Chain 1: CH 113

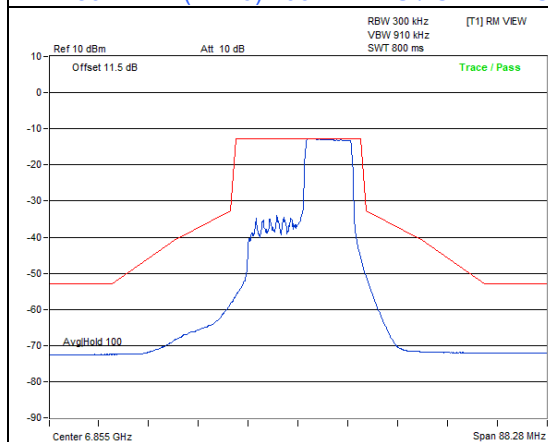
Spectrum Plot



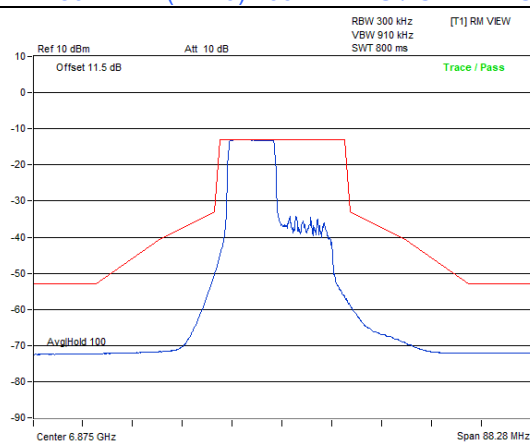
802.11ax (HE20) 106-tone RU / Chain 1: CH 117



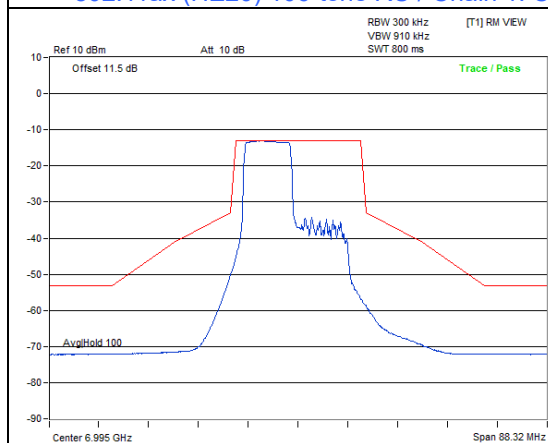
802.11ax (HE20) 106-tone RU / Chain 1: CH 149



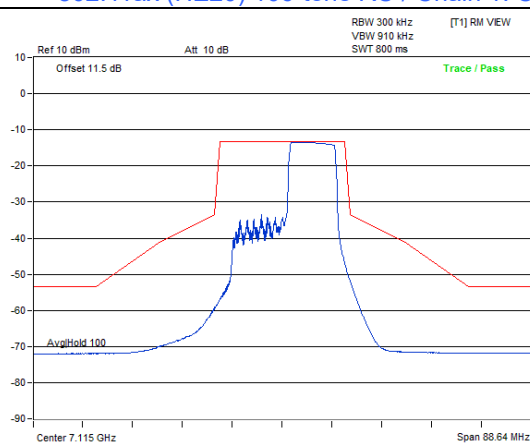
802.11ax (HE20) 106-tone RU / Chain 1: CH 181



802.11ax (HE20) 106-tone RU / Chain 1: CH 185



802.11ax (HE20) 106-tone RU / Chain 1: CH 209



802.11ax (HE20) 106-tone RU / Chain 1: CH 233

7.5 Occupied Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Chris Lin/Max Tseng
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	16.38	16.44
45	6175	16.44	16.44
93	6415	16.44	16.38
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	16.38	16.44
181	6855	16.44	16.38
185	6875	16.38	16.38
209	6995	16.44	16.44
233	7115	16.38	16.44

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.90	18.96
45	6175	18.90	18.90
93	6415	18.90	18.96
97	6435	18.90	18.90
105	6475	18.90	18.96
113	6515	18.84	18.96
117	6535	18.84	18.90
149	6695	18.84	18.90
181	6855	18.90	18.84
185	6875	18.90	18.96
209	6995	18.90	18.96
233	7115	18.84	18.90

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	37.92	37.80
43	6165	37.68	37.92
91	6405	37.80	37.92
99	6445	37.80	37.80
107	6485	37.80	37.92
115	6525	37.80	37.92
123	6565	37.92	37.80
155	6725	37.80	37.80
179	6845	37.80	37.92
187	6885	37.92	37.92
211	7005	37.92	37.80
227	7085	37.80	37.80

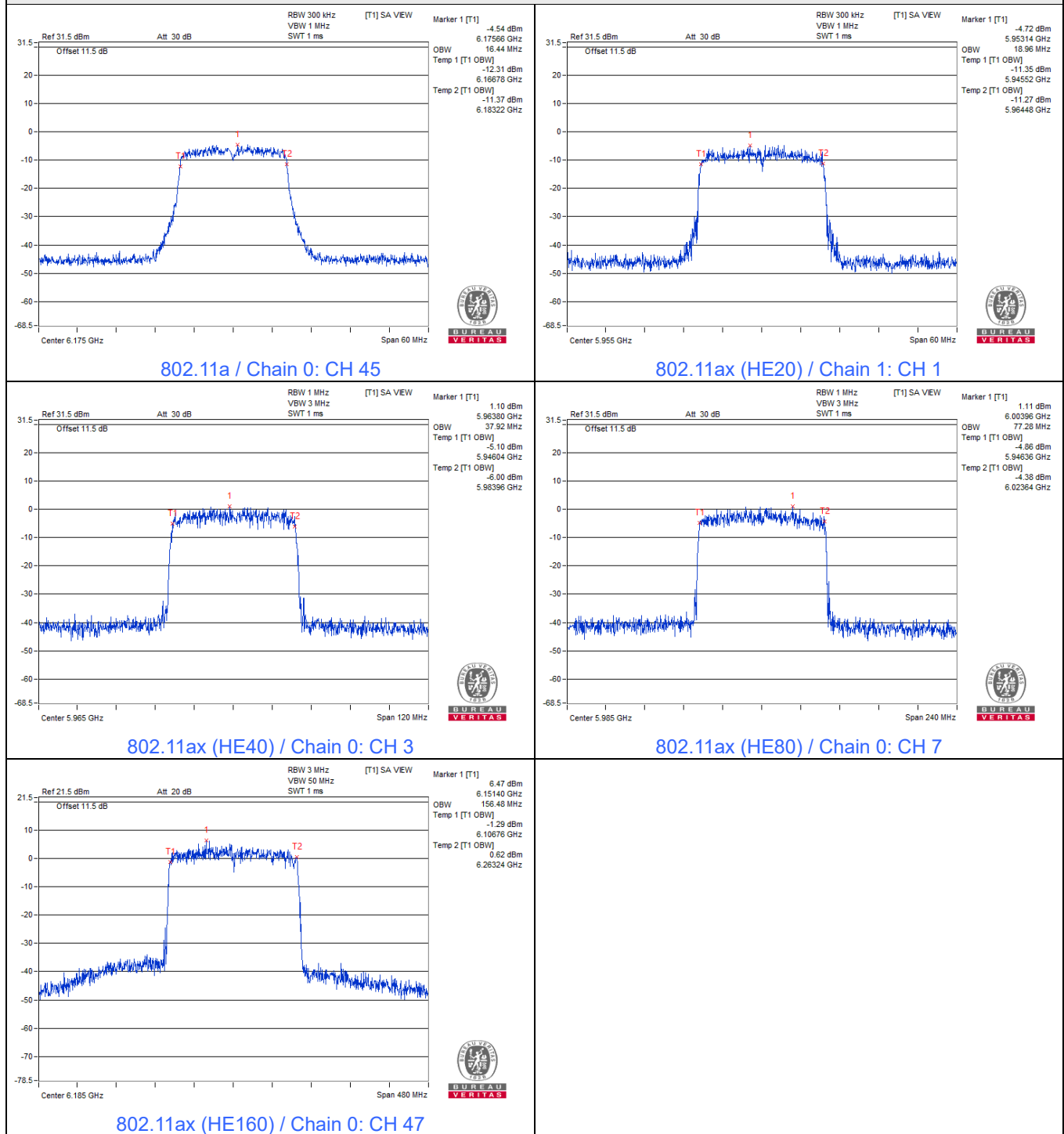
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.28	77.04
39	6145	77.04	77.04
87	6385	77.04	77.04
103	6465	77.04	77.04
119	6545	77.04	76.80
151	6705	77.04	77.28
183	6865	77.28	77.04
199	6945	76.80	77.04
215	7025	76.80	77.04

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	155.52	156.00
47	6185	156.48	156.48
79	6345	156.00	156.00
111	6505	156.48	156.48
143	6665	156.00	155.52
175	6825	156.00	156.00
207	6985	156.00	155.52

Spectrum Plot of Maximum Value



802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.72	18.78
45	6175	18.66	18.78
93	6415	18.72	18.54
97	6435	18.66	18.84
105	6475	16.98	18.66
113	6515	18.60	18.72
117	6535	18.78	18.66
149	6695	18.72	18.66
181	6855	18.72	18.90
185	6875	18.78	18.78
209	6995	18.84	18.90
233	7115	18.72	18.84

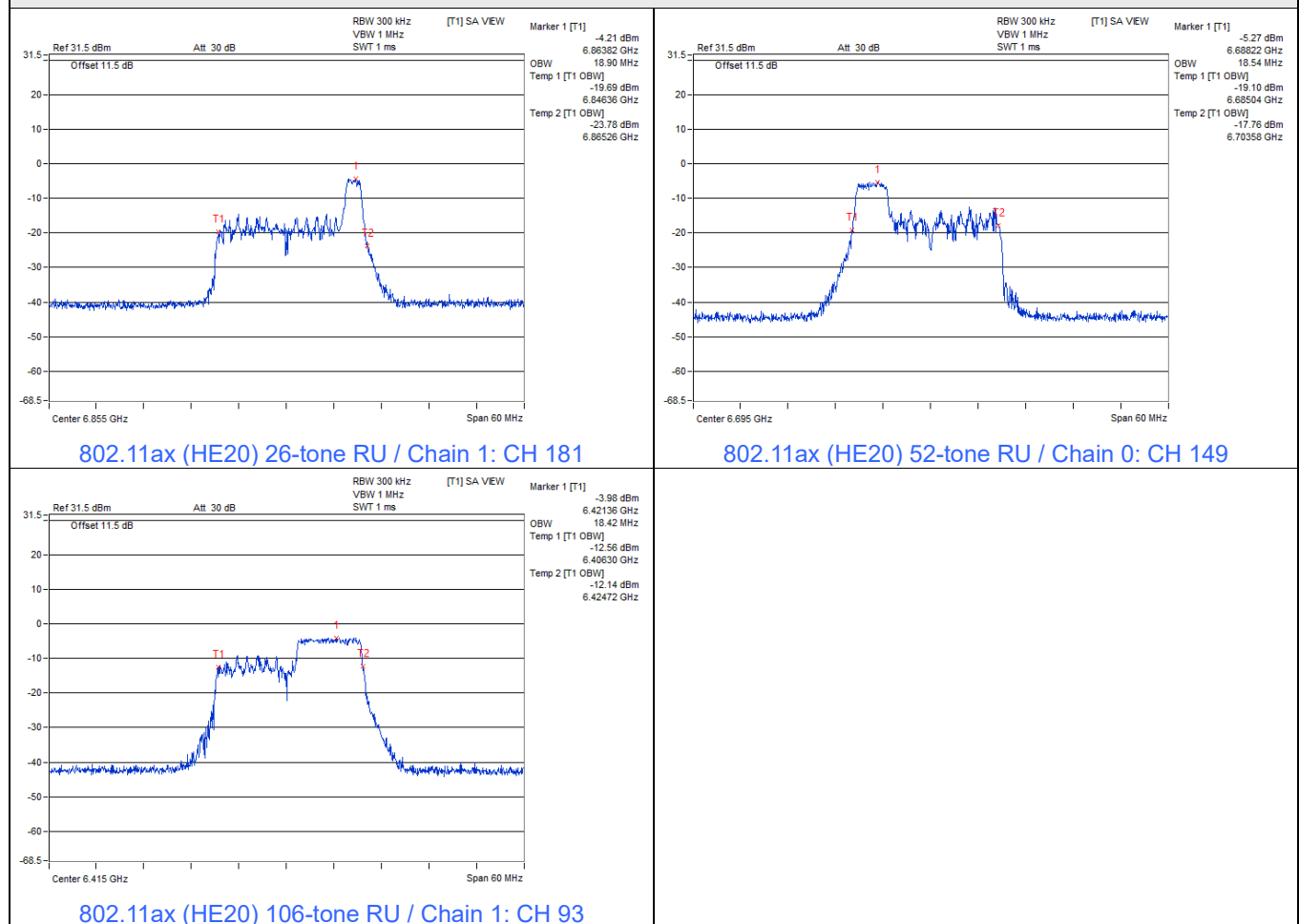
802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.30	18.42
45	6175	18.30	18.42
93	6415	18.36	18.36
97	6435	18.42	18.30
105	6475	18.42	18.36
113	6515	18.30	18.24
117	6535	18.06	18.36
149	6695	18.54	18.42
181	6855	18.30	18.42
185	6875	18.36	18.36
209	6995	18.48	18.24
233	7115	18.30	18.36

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.30	18.30
45	6175	18.18	18.30
93	6415	18.24	18.42
97	6435	18.24	18.42
105	6475	18.18	18.18
113	6515	18.24	18.42
117	6535	18.06	18.24
149	6695	18.24	18.30
181	6855	18.24	18.36
185	6875	18.18	18.30
209	6995	18.24	18.36
233	7115	18.24	18.30

Spectrum Plot of Maximum Value



7.6 Contention-based Protocol

Environmental Conditions:	25°C, 60% RH	Tested By:	Neil Yeh
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Companion Device Information			
Product	Brand	Model No.	Software/Firmware Version
Wireless Router	NETGEAR	RS700	V1.0.7.80_2.0.79

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)					
802.11be	20	45	6175	6175	-72	-0.74	0	-71.26	-62	OFF
					-79	-0.74	0	-78.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
	160	47	6185	6110	-70	-0.74	0	-69.26	-62	OFF
					-78	-0.74	0	-77.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
				6185	-68	-0.74	0	-67.26	-62	OFF
					-73	-0.74	0	-72.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
				6260	-66	-0.74	0	-65.26	-62	OFF
					-68	-0.74	0	-67.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON

Notes:

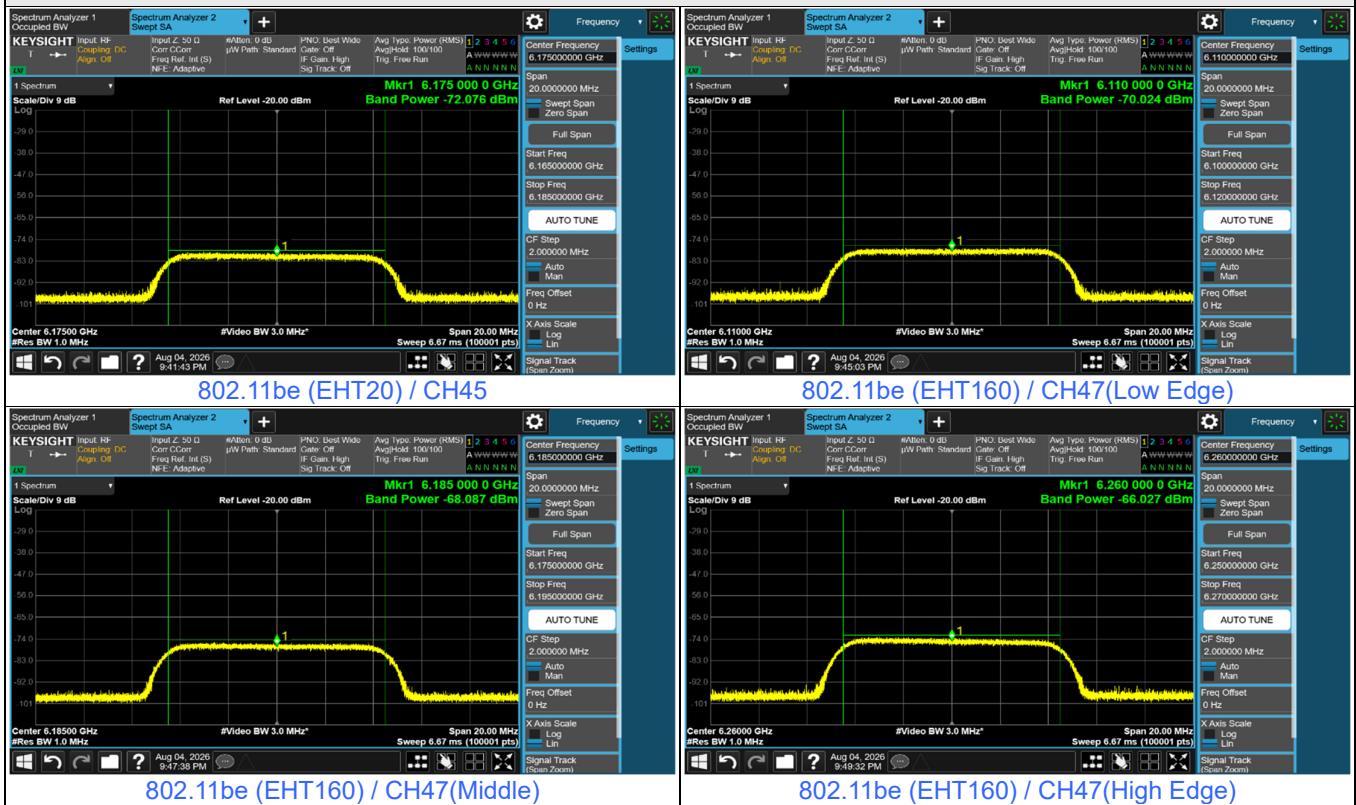
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. This device does not use the channel puncturing mechanism for incumbent avoidance, but instead employs the bandwidth reduction mechanism 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
802.11be	20	6175	v	x	v	v	v	v	v	v	v	v	90%	90%	Pass
	160	6110	v	v	v	x	v	v	v	v	v	v	90%	90%	Pass
		6185	v	v	v	v	v	v	v	v	v	x	90%	90%	Pass
		6260	v	v	v	v	v	v	v	v	v	x	v	90%	90%

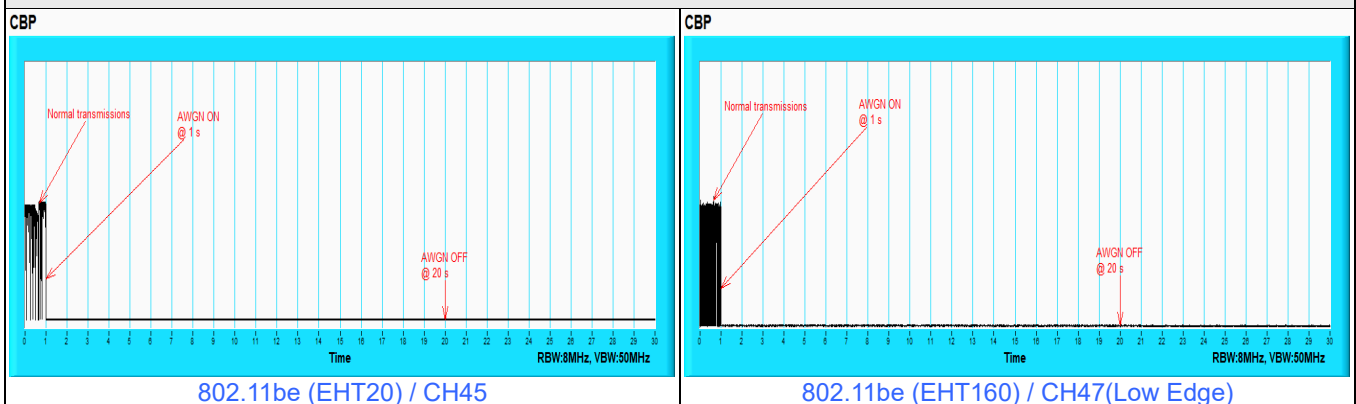
Plots of EUT Tx waveform



Plots of Injected signal (AWGN) level

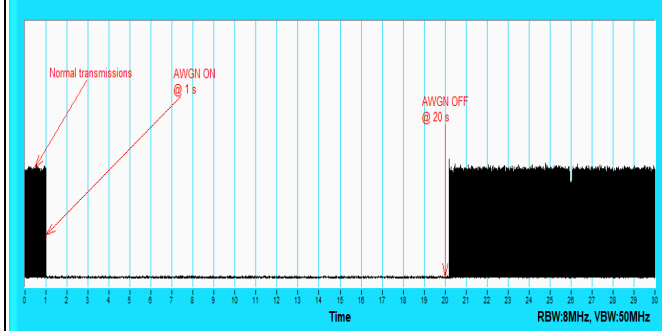


Plots of EUT ceased transmission in the time domain



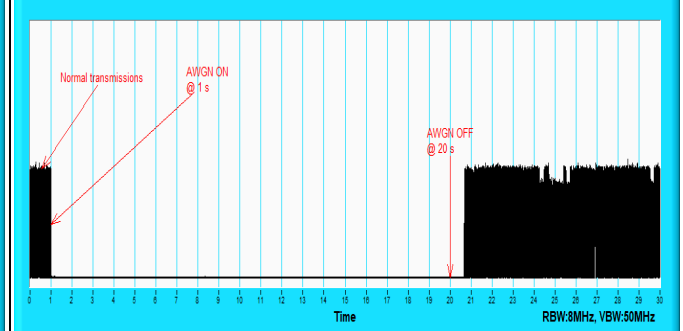
Plots of EUT ceased transmission in the time domain

CBP



802.11be (EHT160) / CH47(Middle)

CBP



802.11be (EHT160) / CH47(High Edge)

For U-NII-6

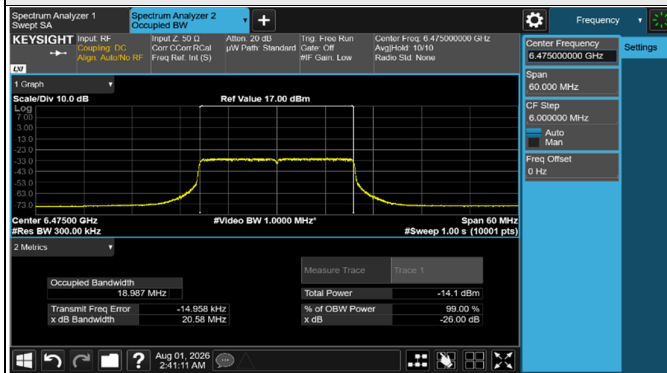
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	105	6475	6475	-67	-0.74	0	-66.26	-62	OFF
					-72	-0.74	0	-71.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
	160	111	6505	6430	-66	-0.74	0	-65.26	-62	OFF
					-67	-0.74	0	-66.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
				6505	-64	-0.74	0	-63.26	-62	OFF
					-65	-0.74	0	-64.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
				6580	-66	-0.74	0	-65.26	-62	OFF
					-68	-0.74	0	-67.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON

Notes:

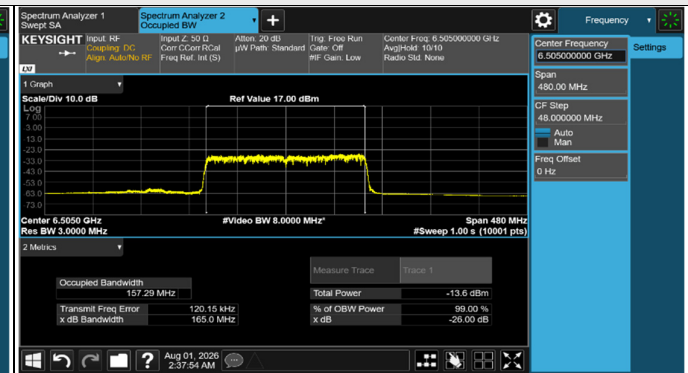
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. This device does not use the channel puncturing mechanism for incumbent avoidance, but instead employs the bandwidth reduction mechanism 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
802.11be	20	6475	v	v	x	v	v	v	v	v	v	v	90%	90%	Pass
	160	6430	v	v	v	v	x	v	v	v	v	v	90%	90%	Pass
		6505	v	x	v	v	v	v	v	v	v	v	90%	90%	Pass
		6580	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass

Plots of EUT Tx waveform

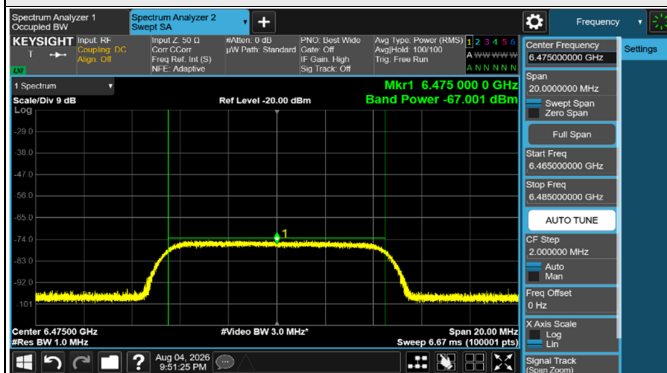


802.11be (EHT20) / CH105

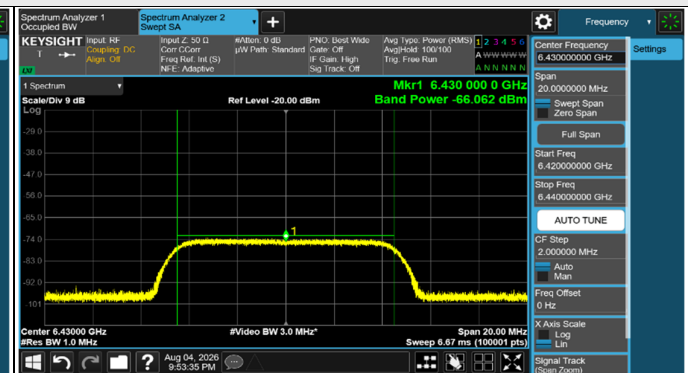


802.11be (EHT160) / CH111

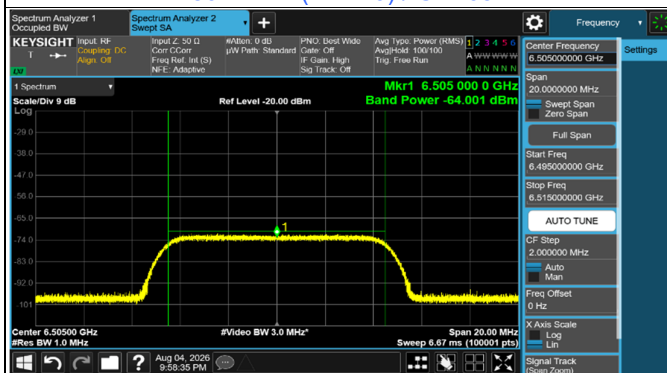
Plots of Injected signal (AWGN) level



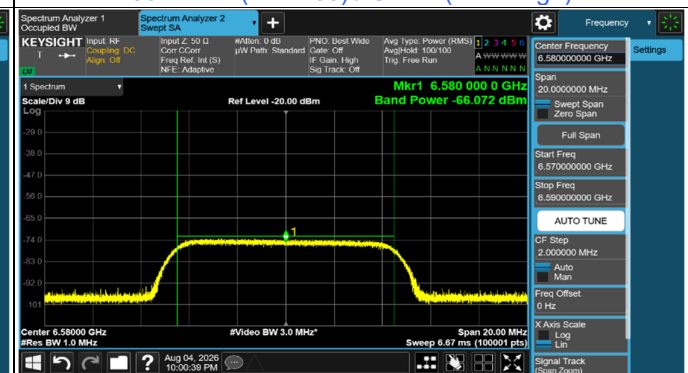
802.11be (EHT20) / CH105



802.11be (EHT160) / CH111(Low Edge)

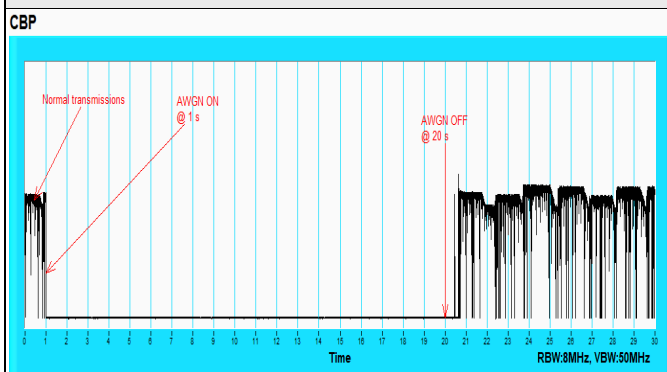


802.11be (EHT160) / CH111(Middle)

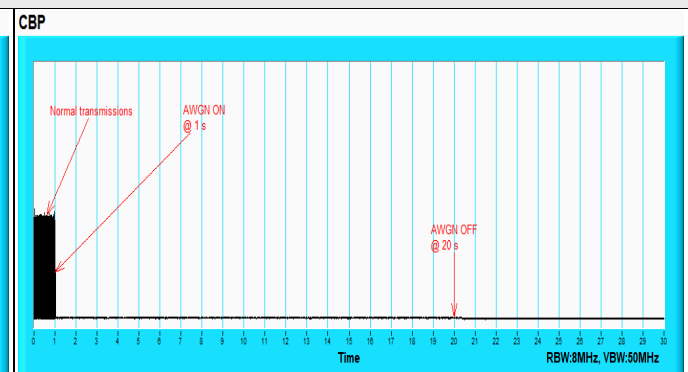


802.11be (EHT160) / CH111(High Edge)

Plots of EUT ceased transmission in the time domain



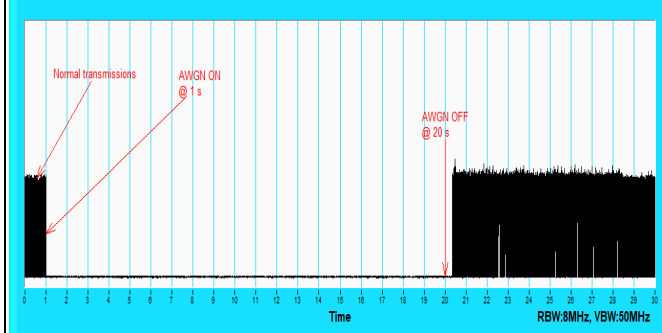
802.11be (EHT20) / CH105



802.11be (EHT160) / CH111(Low Edge)

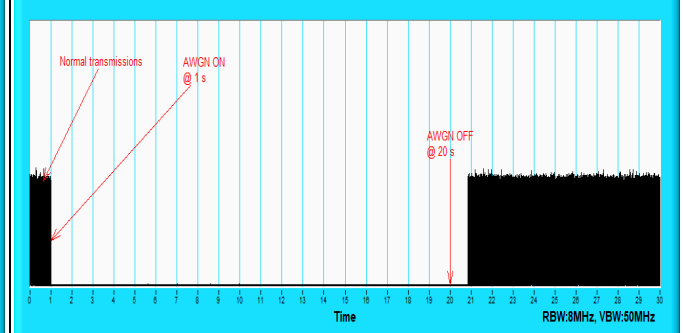
Plots of EUT ceased transmission in the time domain

CBP



802.11be (EHT160) / CH111(Middle)

CBP



802.11be (EHT160) / 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)					
802.11be	20	149	6695	6695	-68	-0.74	0	-67.26	-62	OFF
					-72	-0.74	0	-71.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
	160	143	6665	6590	-65	-0.74	0	-64.26	-62	OFF
					-67	-0.74	0	-66.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
				6665	-63	-0.74	0	-62.26	-62	OFF
					-65	-0.74	0	-64.26	-62	Minimal
					-83	-0.74	0	-82.26	-62	ON
				6740	-67	-0.74	0	-66.26	-62	OFF
					-68	-0.74	0	-67.26	-62	Minimal
					-83	-0.74	0	-82.26	-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 mechanism for incumbent avoidance, but instead employs the bandwidth reduction mechanism 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
802.11be	20	6695	v	x	v	v	v	v	v	v	v	v	90%	90%	Pass
	160	6590	v	v	v	v	v	v	x	v	v	v	90%	90%	Pass
		6665	v	v	v	v	v	x	v	v	v	v	90%	90%	Pass
		6740	v	v	v	v	x	v	v	v	v	v	90%	90%	Pass