

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBEIH-WTW-P24070284-4

FCC ID: P27XER10

Product: Comcast Xfinity WiFi 7 Tri-band Router

Brand: Comcast, Rogers, Cox, Sky

Model No.: XER10

Series Model: XER10xxxxxxx, SCER11BELxxxxxxx (the 1st x should be "blank" or "-"; the rest x could be 0 to 9, A to Z, a to z, "blank" or "-", for marketing purpose)

Received Date: 2024/7/10

Test Date: 2024/8/10 ~ 2025/2/21

Issued Date: 2025/3/5

Applicant: Sercomm Corporation

Address: 8F, No. 3-1, YuanQu St., NanKang, Taipei 115, 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, Taiwan

Test Location(1): No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

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

FCC Registration / Test Location:

Designation Number: 198487 / TW2021 for Test Location(1)
281270 / TW0032 for Test Location(2)

Approved by:

Jeremy Lin

Jeremy Lin / Project Engineer

Date:

2025/3/5

This test report consists of 199 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.

Prepared by : Annie Chang / Senior Specialist



This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Table of Contents

Release Control Record	4
1 Certificate.....	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	6
2.2 Supplementary Information	6
3 General Information	7
3.1 General Description of EUT	7
3.2 Antenna Description of EUT	8
3.3 Channel List.....	9
3.4 Test Mode Applicability and Tested Channel Detail.....	11
3.5 Duty Cycle of Test Signal.....	13
3.6 Test Program Used and Operation Descriptions	15
3.7 Connection Diagram of EUT and Peripheral Devices	15
3.8 Configuration of Peripheral Devices and Cable Connections	17
4 Test Instruments	18
4.1 26 dB Bandwidth	18
4.2 RF Output Power.....	18
4.3 Power Spectral Density	18
4.4 6 dB Bandwidth	18
4.5 Occupied Bandwidth.....	18
4.6 AC Power Conducted Emissions	19
4.7 Unwanted Emissions below 1 GHz	20
4.8 Unwanted Emissions above 1 GHz.....	21
5 Limits of Test Items.....	23
5.1 26 dB Bandwidth	23
5.2 RF Output Power.....	23
5.3 Power Spectral Density	23
5.4 6 dB Bandwidth	23
5.5 Occupied Bandwidth.....	23
5.6 AC Power Conducted Emissions	24
5.7 Unwanted Emissions below 1 GHz	24
5.8 Unwanted Emissions above 1 GHz.....	25
6 Test Arrangements.....	26
6.1 26 dB Bandwidth	26
6.1.1 Test Setup	26
6.1.2 Test Procedure.....	26
6.2 RF Output Power.....	26
6.2.1 Test Setup	26
6.2.2 Test Procedure.....	26
6.3 Power Spectral Density	27
6.3.1 Test Setup	27
6.3.2 Test Procedure.....	27
6.4 6 dB Bandwidth	28
6.4.1 Test Setup	28
6.4.2 Test Procedure.....	28
6.5 Occupied Bandwidth.....	28
6.5.1 Test Setup	28
6.5.2 Test Procedure.....	28
6.6 AC Power Conducted Emissions	29
6.6.1 Test Setup	29
6.6.2 Test Procedure.....	29
6.7 Unwanted Emissions below 1 GHz	30
6.7.1 Test Setup	30
6.7.2 Test Procedure.....	31

6.8	Unwanted Emissions above 1 GHz.....	32
6.8.1	Test Setup	32
6.8.2	Test Procedure	32
7	Test Results of Test Item	33
7.1	26 dB Bandwidth	33
7.2	RF Output Power.....	38
7.3	Power Spectral Density	59
7.4	6 dB Bandwidth	68
7.5	Occupied Bandwidth.....	70
7.6	AC Power Conducted Emissions	79
7.7	Unwanted Emissions below 1 GHz	81
7.8	Unwanted Emissions above 1 GHz.....	83
8	Pictures of Test Arrangements	198
9	Information of the Testing Laboratories	199

Release Control Record

Issue No.	Description	Date Issued
RFBEIH-WTW-P24070284-4	Original release.	2025/3/5

1 Certificate

Product: Comcast Xfinity WiFi 7 Tri-band Router

Brand: Comcast, Rogers, Cox, Sky

Test Model: XER10

Series Model: XER10xxxxxxx, SCER11BELxxxxxxx (the 1st x should be "blank" or "-"; the rest x could be 0 to 9, A to Z, a to z, "blank" or "-", for marketing purpose)

Sample Status: Engineering sample

Applicant: Sercomm Corporation

Test Date: 2024/8/10 ~ 2025/2/21

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

Measurement ANSI C63.10-2013

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

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -3.98 dB at 0.49766 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -7.6 dB at 381.14 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5150.00 and 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	960 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	960 Hz
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	6 GHz ~ 18 GHz	3.06 dB
	18 GHz ~ 40 GHz	3.29 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	Comcast Xfinity WiFi 7 Tri-band Router
Brand	Comcast, Rogers, Cox, Sky
Test Model	XER10
Series Model	XER10xxxxxxx, SCER11BELxxxxxxx (the 1st x should be "blank" or "-"; the rest x could be 0 to 9, A to Z, a to z, "blank" or "-", for marketing purpose)
Model Difference	Marketing Differentiation
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from Adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 4803.9 Mbps Up to 5764 Mbps (802.11be)
Operating Frequency	5.18 GHz ~ 5.25 GHz, 5.25 GHz ~ 5.32 GHz, 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 12 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 6 802.11ac (VHT+ (EHT160): 2
Output Power	5.18 GHz ~ 5.25 GHz : 991.551 mW (29.96 dBm) 5.25 GHz ~ 5.32 GHz : 247.361 mW (23.93 dBm) 5.5 GHz ~ 5.72 GHz : 247.711 mW (23.94 dBm) 5.745 GHz ~ 5.825 GHz : 994.009 mW (29.97 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter 1	LEADER	ML55-3120460-A1	AC I/P: 100-120V, 50/60Hz, 1.5A DC O/P: 12.0V, 4.6A Non-shielded DC cable (1.8m)
AC Adapter 2	Netbit	NBC56B120460VU	AC I/P: 120V, 60Hz, 1.5A DC O/P: 12.0V, 4.6A Non-shielded DC cable (1.8m)

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

3. Simultaneously transmission combination.

Combination	Technology		
1	WLAN (2.4 GHz)	WLAN (5 GHz)	WLAN (6 GHz)

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

4. The directional antenna gain information is declared by manufacturer and more detailed features description please refer to operation description of antenna specifications exhibit.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1	DB1	Sercomm	61720044WA	4.9	5.15~5.85	Dipole	ipex(MHF)
2	DB2	Sercomm	61720045WA	4.6	5.15~5.85	Dipole	ipex(MHF)
3	DB3	Sercomm	61720046WA	4.7	5.15~5.85	Dipole	ipex(MHF)
4	DB4	Sercomm	61720047WA	4.6	5.15~5.85	Dipole	ipex(MHF)

Frequency Range (GHz)	Antenna Directional Gain (dBi)
5.15~5.85	5.75

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

2. The EUT incorporates a MIMO function:

5 GHz Band			
Modulation Mode	Beamforming Mode	TX & RX Configuration	
802.11a	Not Support	4TX	4RX
802.11n (HT20)	Support	4TX	4RX
802.11n (HT40)	Support	4TX	4RX
802.11ac (VHT20)	Support	4TX	4RX
802.11ac (VHT40)	Support	4TX	4RX
802.11ac (VHT80)	Support	4TX	4RX
802.11ac (VHT160)	Support	4TX	4RX
802.11ax (HE20)	Support	4TX	4RX
802.11ax (HE40)	Support	4TX	4RX
802.11ax (HE80)	Support	4TX	4RX
802.11ax (HE160)	Support	4TX	4RX
802.11be (EHT20)	Support	4TX	4RX
802.11be (EHT40)	Support	4TX	4RX
802.11be (EHT80)	Support	4TX	4RX
802.11be (EHT160)	Support	4TX	4RX

Note:

1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore the investigated worst case is the representative mode in test report.
4. The EUT device modulation technique OFDMA does not support partial RUs (resource units) and channel puncturing/bandwidth reduction mechanisms.

3.3 Channel List

FOR 5180 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

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

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

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

2 channels are provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

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

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

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

3 channels are provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

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

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

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

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT has Adapter1(LEADER)/ Adapter2(Netbit). Pre-scan these adapter and find the worst case as a representative test condition.
Worst Case:	1. Adapter1(LEADER)/ Adapter2(Netbit) Worst Condition: Adapter1(LEADER).

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

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11be (EHT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11be (EHT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11be (EHT80)	CDD	58, 106, 122, 138	BPSK	MCS0
	802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ac (VHT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ac (VHT40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ac (VHT160)	CDD & Beamforming	50, 114	BPSK	MCS0
	802.11ax (HE20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD & Beamforming	50, 114	BPSK	MCS0
	802.11be (EHT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD & Beamforming	50, 114	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
	802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	CDD	144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD	142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
AC Power Conducted Emissions	802.11be (EHT20)	CDD	149	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11be (EHT20)	CDD	149	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD & Beamforming	50, 114	BPSK	MCS0

Note: not support channel puncturing.

3.5 Duty Cycle of Test Signal

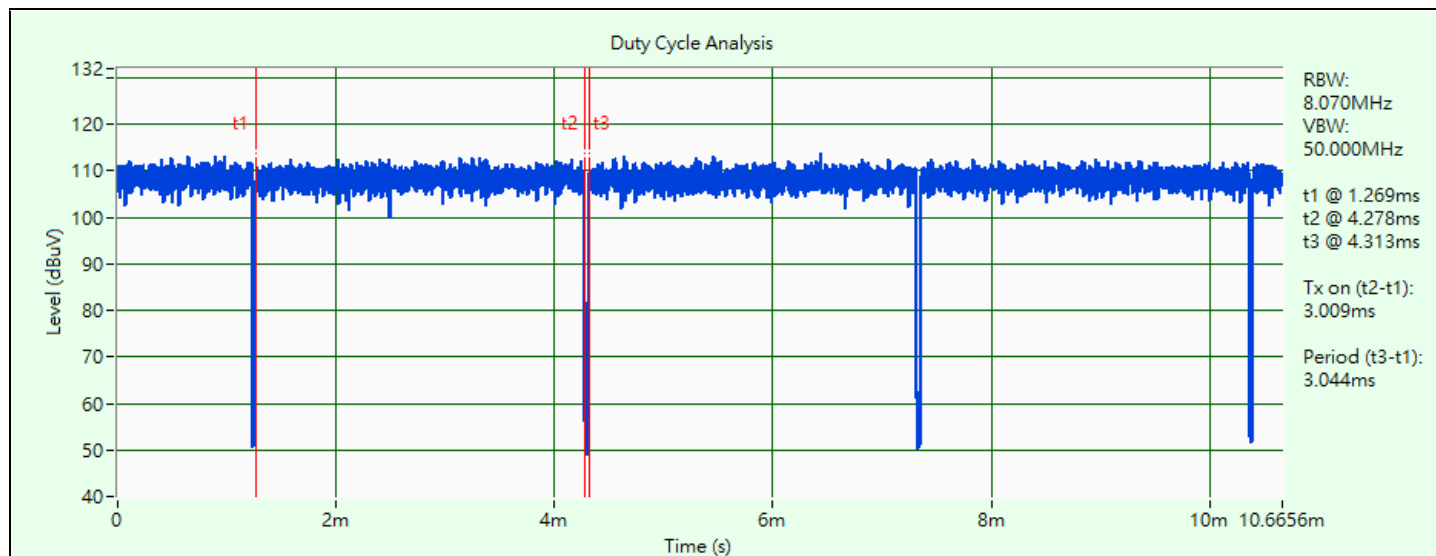
802.11a: Duty cycle = 3.009 ms / 3.044 ms x 100% = 98.9%

802.11be (EHT20): Duty cycle = 2.833 ms / 2.861 ms x 100% = 99.0%

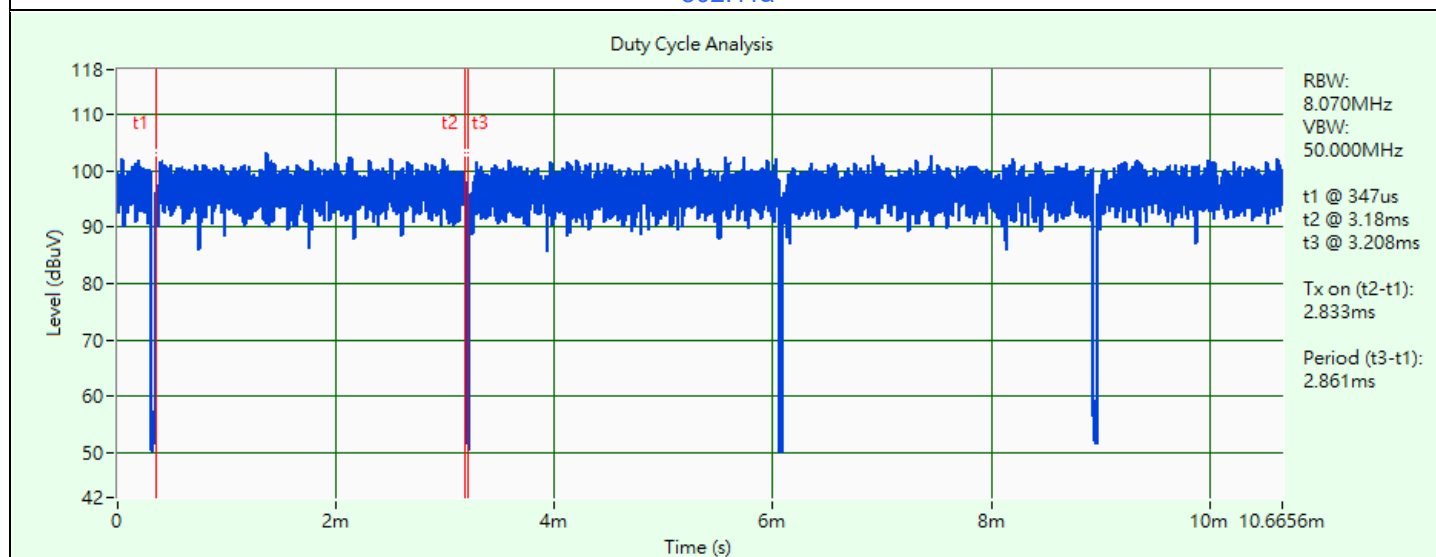
802.11be (EHT40): Duty cycle = 2.833 ms / 2.861 ms x 100% = 99.0%

802.11be (EHT80): Duty cycle = 2.833 ms / 2.861 ms x 100% = 99.0%

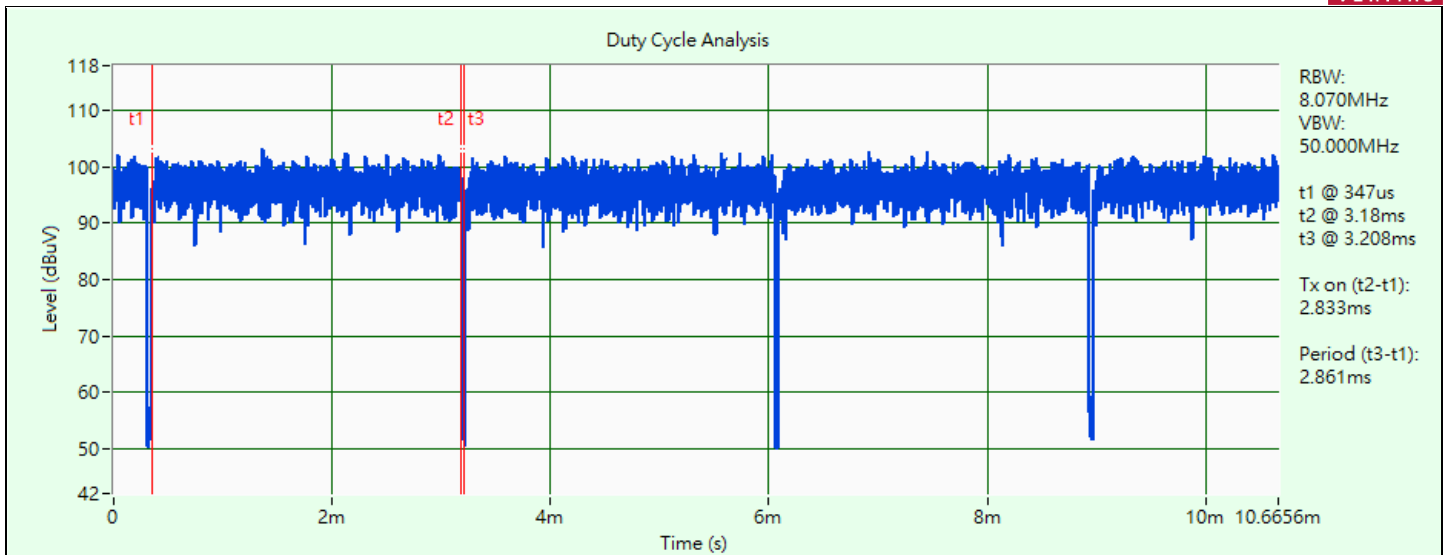
802.11be (EHT160): Duty cycle = 2.833 ms / 2.861 ms x 100% = 99.0%



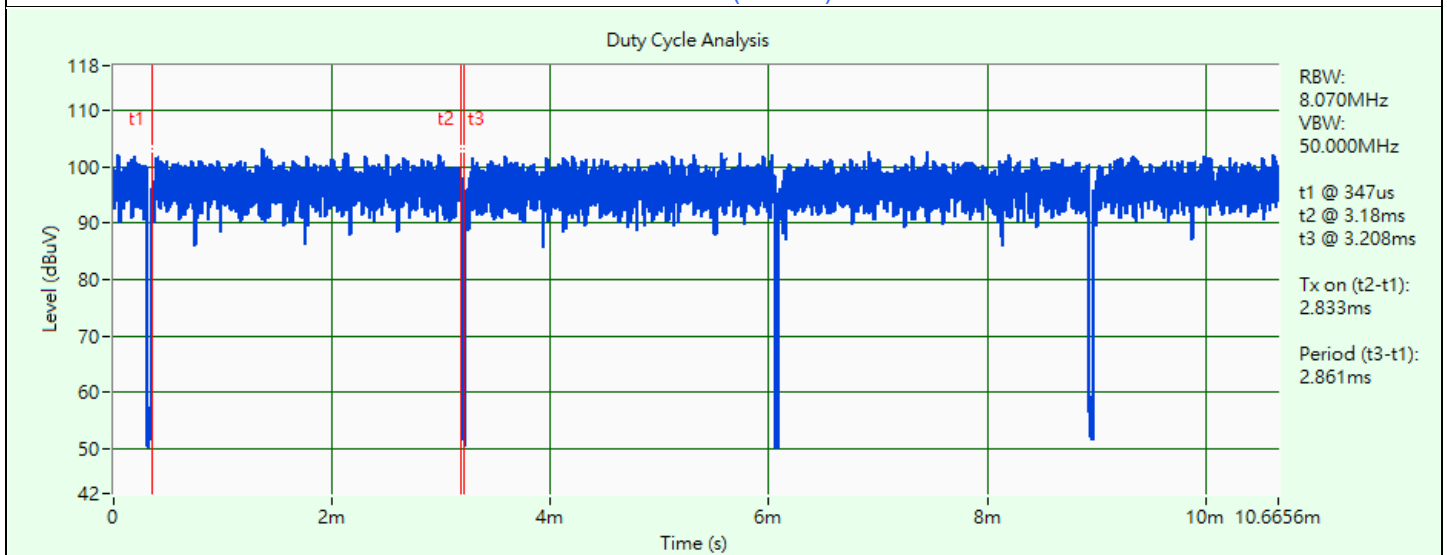
802.11a



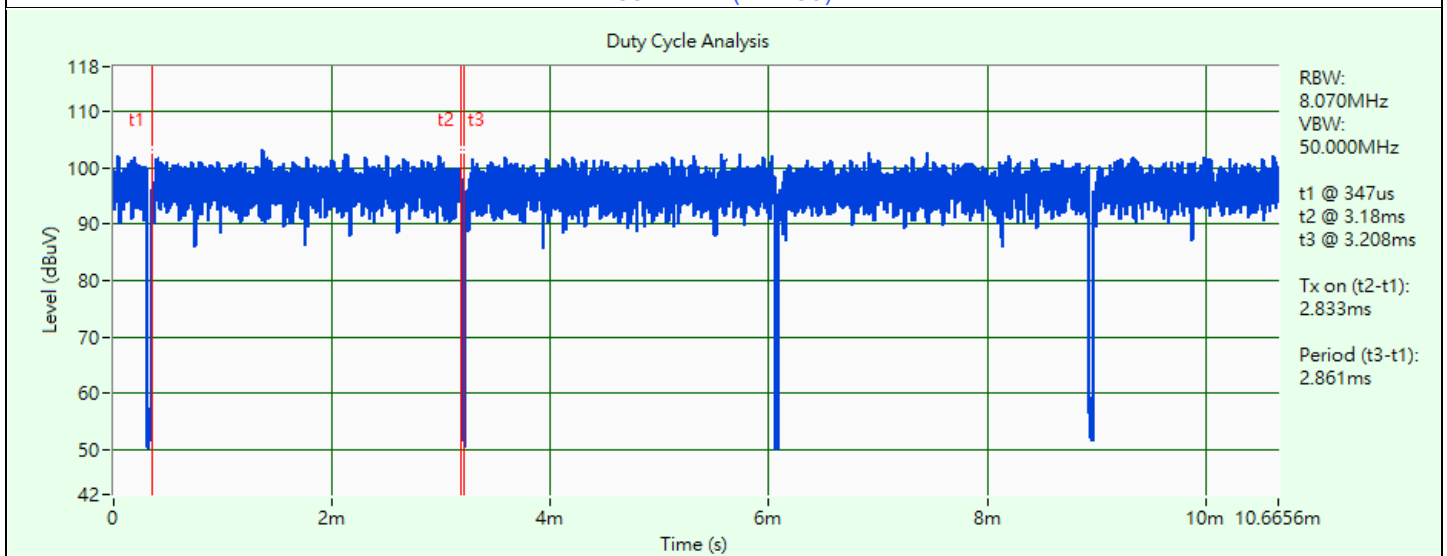
802.11be (EHT20)



802.11be (EHT40)



802.11be (EHT80)



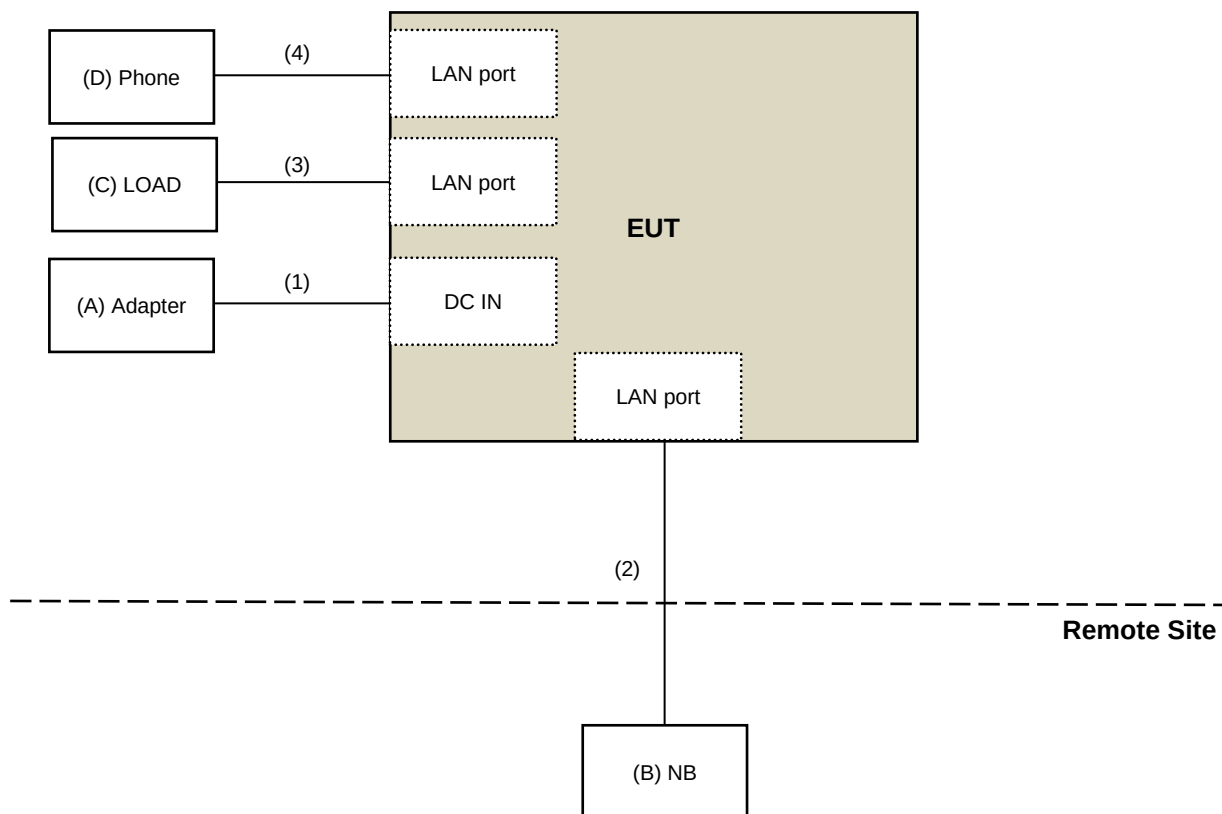
802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

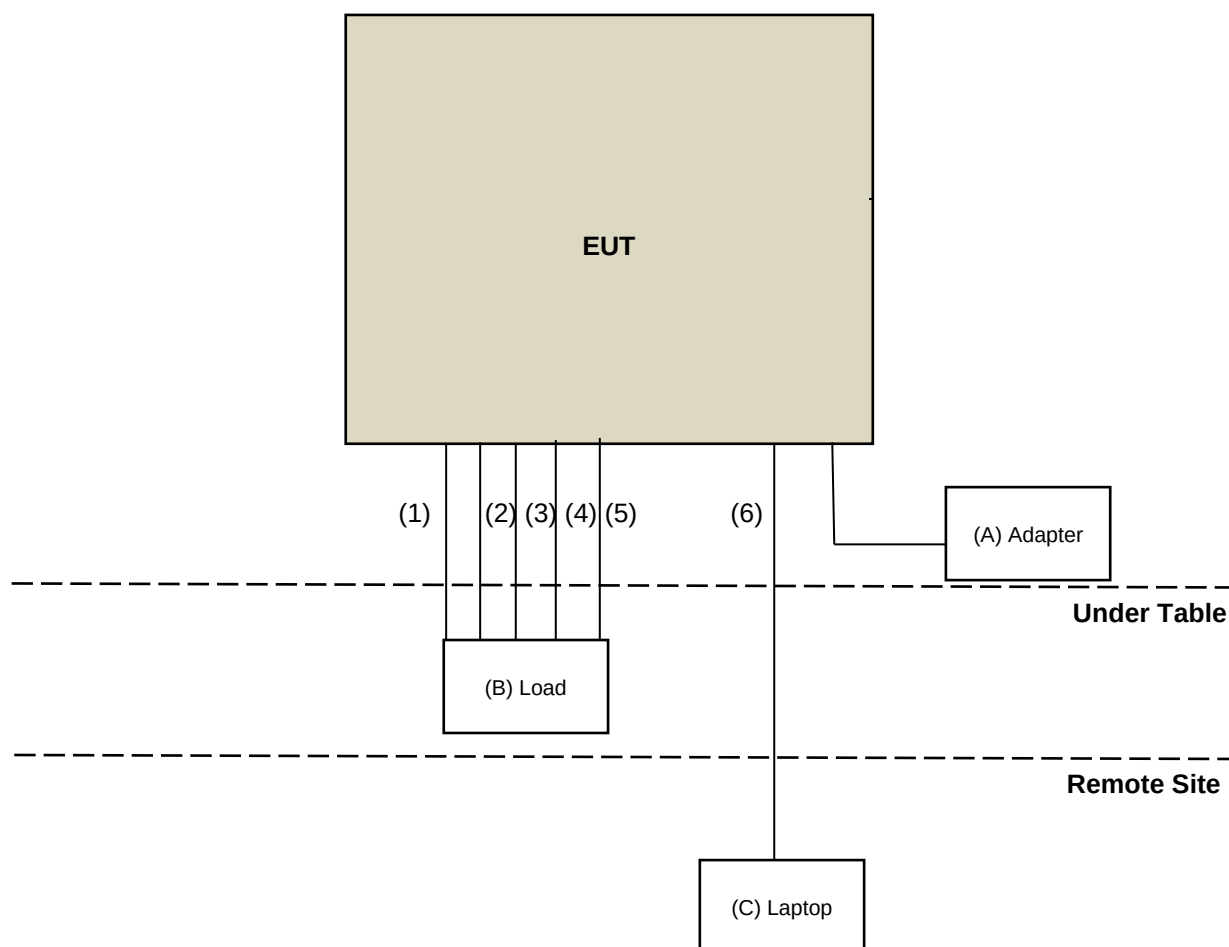
Controlling software (accessMTool 3.3.0.8) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For AC Power Conducted Emissions & Unwanted Emissions above 1 GHz (CDD)



For Unwanted Emissions below 1 GHz & Unwanted Emissions above 1 GHz (Beamforming)



3.8 Configuration of Peripheral Devices and Cable Connections

For AC Power Conducted Emissions, Unwanted Emissions below 1 GHz & Unwanted Emissions above 1 GHz (CDD)

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	LEADER	ML55-3120460-A1	N/A	N/A	Supplied by applicant
B	NB	DELL	LA65NS2-01	N/A	N/A	Provided by Lab
C	LOAD	BV	BV	N/A	N/A	Provided by Lab
D	Phone	ISit0	IS-333	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Adapter DC cable	1	1.8	N	0	Supplied by applicant
2	LAN cable	1	10	N	0	Provided by Lab
3	LAN cable	4	1.5	N	0	Provided by Lab
4	LAN cable	1	2.17	N	0	Provided by Lab

For Unwanted Emissions above 1 GHz (Beamforming)

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	LEADER	ML55-3120460-A1	NA	NA	Supplied by applicant
B	Load	N/A	N/A	N/A	NA	Provided by Lab
C	Laptop	Lenovo	L440	R9-0GFJKK	NA	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-11 Cable	1	1.5	NA	0	Provided by Lab
2	RJ-45 Cable	1	1.5	NA	0	Provided by Lab
3	RJ-45 Cable	1	1.5	NA	0	Provided by Lab
4	RJ-45 Cable	1	1.5	NA	0	Provided by Lab
5	RJ-45 Cable	1	1.5	NA	0	Provided by Lab
6	RJ-45 Cable	1	6	NA	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030A	MY54490260	2024/7/17	2025/7/16
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/2/21

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Pulse Power Sensor Anritsu	MA2411B	0738404	2024/5/13	2025/5/12
PXA Signal Analyzer Keysight	N9030A	MY54490260	2024/7/17	2025/7/16
RF Power Meter Anritsu	ML2495A	0842014	2024/5/13	2025/5/12
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
USB Wideband Power Sensor Keysight	U2021XA	U2021XA_001	2024/6/7	2025/6/6

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/2/21

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance LYNICS	0900510	E1-011285	2023/9/21	2024/9/20
50 ohm terminal resistance LYNICS	0900510	E1-011286	2023/9/21	2024/9/20
50 ohm terminal resistance SUHNER	65BNC-5001	E1-010789	2024/6/20	2025/6/19
EMI Test Receiver R&S	ESCI	100412	2023/8/23	2024/8/22
	ESCS 30	100288	2023/12/28	2024/12/27
Fixed Attenuator STI	STI02-2200-10	NO.1	2023/9/13	2024/9/12
LISN R&S	ENV216	100024	2023/9/6	2024/9/5
		101197	2024/7/11	2025/7/10
LISN Schwarzbeck	NNLK 8121	8121-731	2024/6/12	2025/6/11
		8121-00759	2023/8/21	2024/8/20
		8121-808	2024/4/26	2025/4/25
	NNLK 8129	8129229	2024/6/14	2025/6/13
RF Coaxial Cable PEWC	5D-FB	Cable-CO10-01	2024/2/7	2025/2/6
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 10.
2. Tested Date: 2024/8/10

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1214	2024/10/15	2025/10/14
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier EMCI	EMC330N	980798	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201248	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201249	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201251(with PAD)	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/2/3

4.8 Unwanted Emissions above 1 GHz

CDD Mode and Plot of Band Edge_CDD Mode

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight antenna tower fixture BV	BAF-02	6	N/A	N/A
High Pass Filter Wainwright	WHK 3.1/18G-10SS	SN 8	2024/5/24	2025/5/23
Horn Antenna EMCO	3115	00028257	2024/11/10	2025/11/9
Horn Antenna ETS-Lindgren	3117-PA	00215857	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	212	2024/10/18	2025/10/17
		BBHA9170241	2024/10/18	2025/10/17
MXE EMI Receiver Agilent	N9038A	MY51210129	2024/3/22	2025/3/21
Notch Filter Micro-Tronics	BRC50703-01	010	2024/5/24	2025/5/23
	BRM17690	005	2024/5/24	2025/5/23
Preamplifier EMCI	EMC0126545	980076	2024/2/15	2025/2/14
	EMC184045B	980175	2024/8/25	2025/8/24
		980235	2024/2/15	2025/2/14
Preamplifier HP	8449B	3008A01201	2024/2/15	2025/2/14
RF Coaxial Cable EMCI	EMC104	190801	2024/7/5	2025/7/4
		190804	2024/7/5	2025/7/4
RF Coaxial Cable EMEC	EM102-KMKM-100	02	2024/7/5	2025/7/4
RF Coaxial Cable HUBER+SUHNER	SF-104	Cable-CH6-01	2024/7/5	2025/7/4
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
		101544	2024/6/20	2025/6/19
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2024/12/27 ~ 2025/1/16

Beamforming Mode and Plot of Band Edge_Beamforming Mode

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
Horn Antenna RFSPIN	DRH18-E	210104A18E	2023/11/12	2024/11/11
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2023/11/12	2024/11/11
MXE EMI Receiver Agilent	N9038A	MY52260177	2023/9/15	2024/9/14
Preamplifier Agilent	83017A	MY39501357	2024/6/12	2025/6/11
Preamplifier EMCI	EMC184045SE	980788	2024/1/15	2025/1/14
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2024/1/15	2025/1/14
	EMC101G-KM-KM-3000	201258	2024/1/15	2025/1/14
	EMC101G-KM-KM-5000	201261	2024/1/15	2025/1/14
	EMC104-SM-SM-1000	210103	2024/1/15	2025/1/14
	EMC104-SM-SM-3000	201241	2024/1/15	2025/1/14
	EMC104-SM-SM-9000	201244	2024/1/15	2025/1/14
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2024/8/26 ~ 2024/8/29

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

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

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

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

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

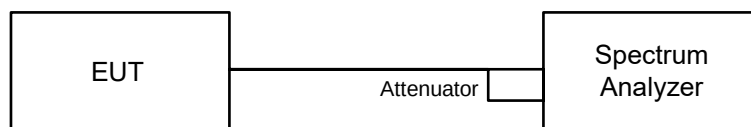
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

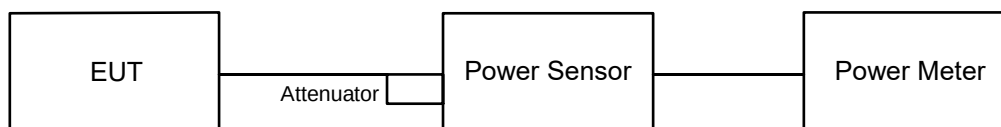


6.1.2 Test Procedure

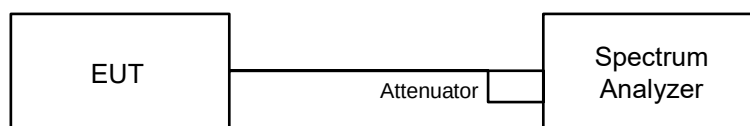
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to average. Duty factor is not added to measured value.

For channel straddling:

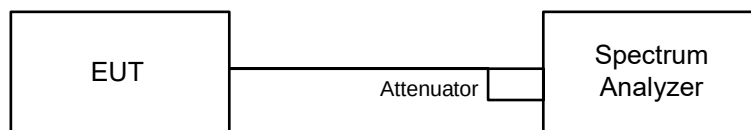
Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
- Sweep points ≥ $[2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing ≤ 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

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

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

For specified measurement bandwidth 500 kHz:

Method SA-1

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

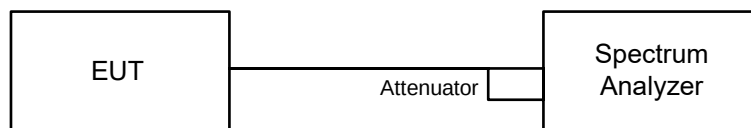
For specified measurement bandwidth 500 kHz:

Method SA-2

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

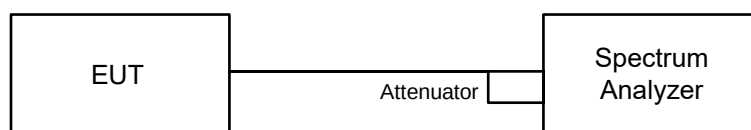


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

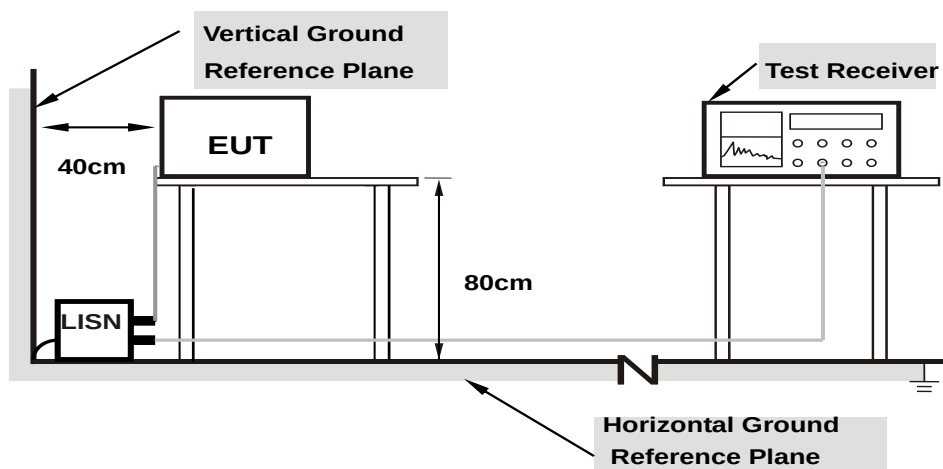


6.5.2 Test Procedure

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

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

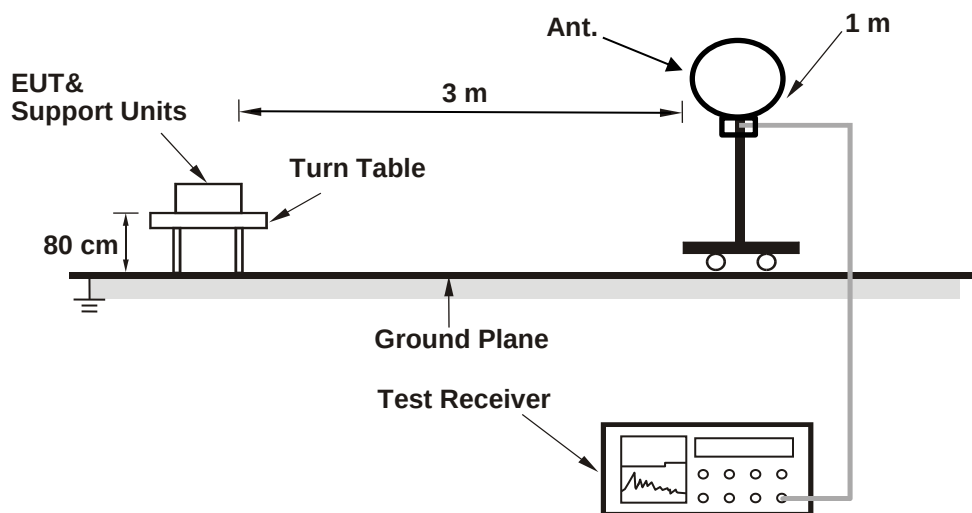
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

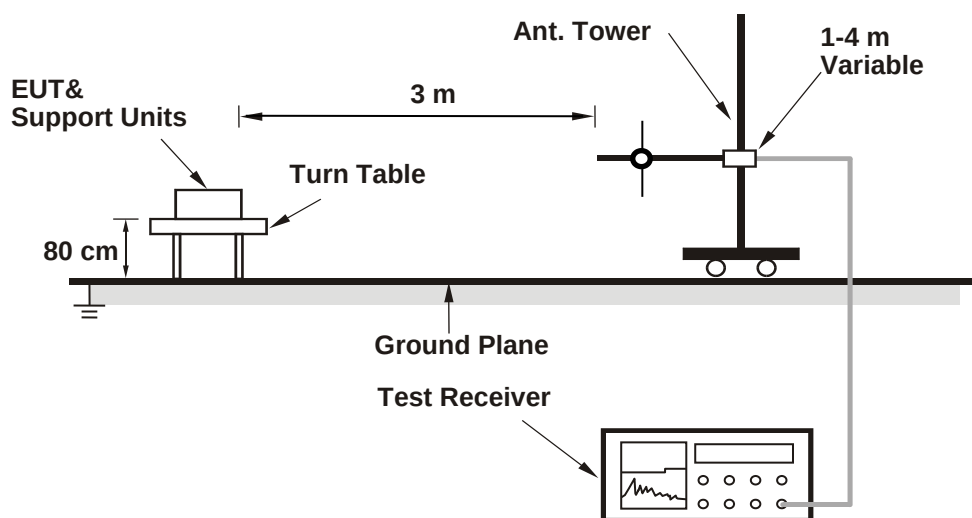
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

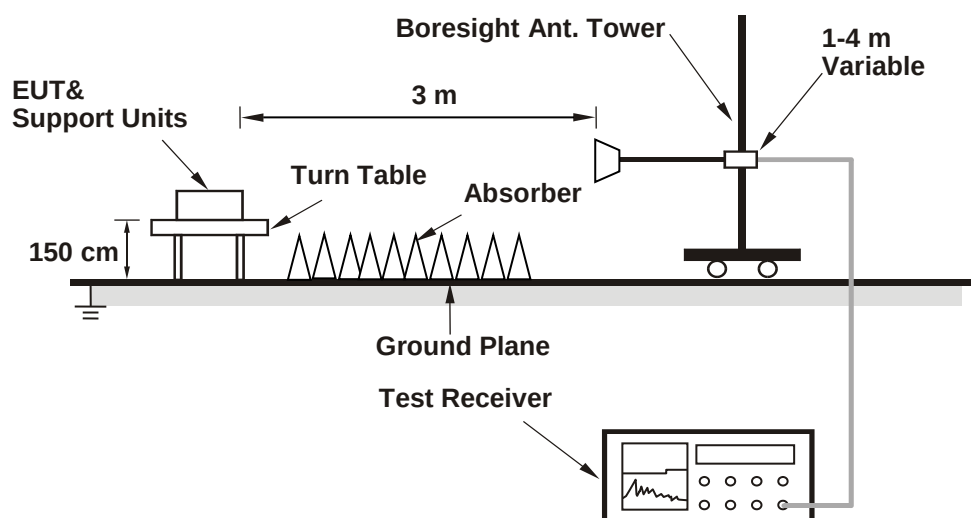
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
--------------	----------------	---------------------------	--------------	------------	------------

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	22.61	22.32	22.57	22.72
60	5300	22.37	22.34	22.32	22.30
64	5320	22.71	24.33	22.34	22.99
100	5500	23.93	23.32	22.91	22.63
116	5580	22.18	24.18	22.67	22.77
140	5700	21.70	21.55	21.68	21.65
144 (U-NII-2C)	5720	16.65	17.27	16.38	16.18
144 (U-NII-3)	5720	6.64	6.09	6.81	6.24

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.32	24.48	>	24
60	5300	22.30	24.48	>	24
64	5320	22.34	24.49	>	24
100	5500	22.63	24.54	>	24
116	5580	22.18	24.45	>	24
140	5700	21.55	24.33	>	24
144 (U-NII-2C)	5720	16.18	23.08	<	24

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

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	23.22	22.89	24.40	23.67
60	5300	24.25	23.99	24.19	26.35
64	5320	28.86	25.09	26.31	23.50
100	5500	24.54	26.88	26.19	28.93
116	5580	26.31	23.83	22.68	24.28
140	5700	21.69	21.88	21.84	21.96
144 (U-NII-2C)	5720	17.24	17.61	17.64	17.83
144 (U-NII-3)	5720	6.63	6.28	6.32	7.04

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	22.89	24.59 > 24
60	5300	23.99	24.8 > 24
64	5320	23.50	24.71 > 24
100	5500	24.54	24.89 > 24
116	5580	22.68	24.55 > 24
140	5700	21.69	24.36 > 24
144 (U-NII-2C)	5720	17.24	23.36 < 24

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

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	43.04	42.79	41.71	43.35
62	5310	45.98	46.62	45.32	47.91
102	5510	43.49	44.15	44.37	46.73
110	5550	42.85	42.37	42.96	43.33
134	5670	43.62	47.39	42.42	43.06
142 (U-NII-2C)	5710	36.67	36.36	36.82	36.68
142 (U-NII-3)	5710	6.24	6.25	7.83	6.15

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	41.71	27.2 > 24
62	5310	45.32	27.56 > 24
102	5510	43.49	27.38 > 24
110	5550	42.37	27.27 > 24
134	5670	42.42	27.27 > 24
142 (U-NII-2C)	5710	36.36	26.6 > 24

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

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	89.42	84.06	86.29	87.79
106	5530	87.94	84.75	84.54	88.40
122	5610	83.02	84.54	83.81	83.60
138 (U-NII-2C)	5690	77.54	77.76	77.18	76.60
138 (U-NII-3)	5690	8.22	6.98	6.75	6.86

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	84.06	30.24 > 24
106	5530	84.54	30.27 > 24
122	5610	83.02	30.19 > 24
138 (U-NII-2C)	5690	76.60	29.84 > 24

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

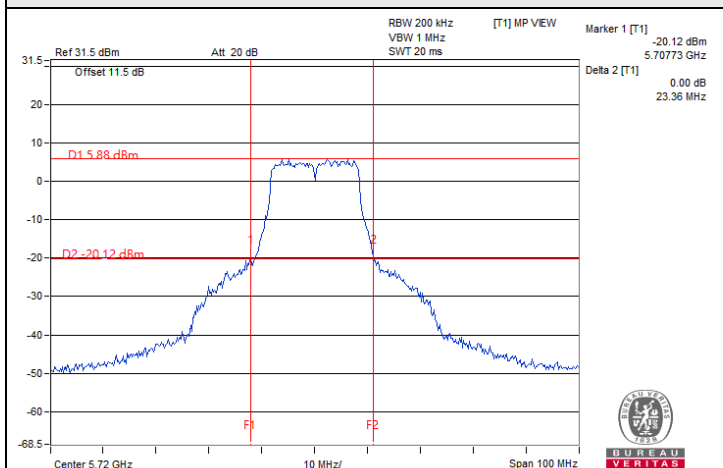
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	82.71	82.74	82.48	82.72
50 (U-NII-2A)	5250	83.10	83.05	83.03	83.35
114	5570	165.61	165.54	166.00	166.30

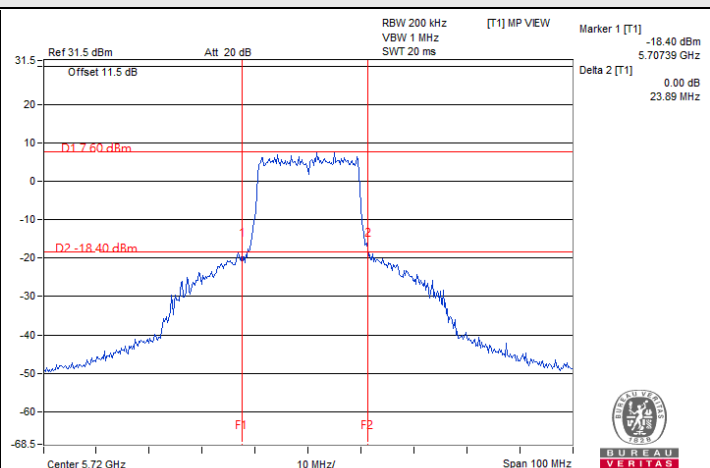
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	83.03	30.19	>	24
114	5570	165.54	33.18	>	24

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

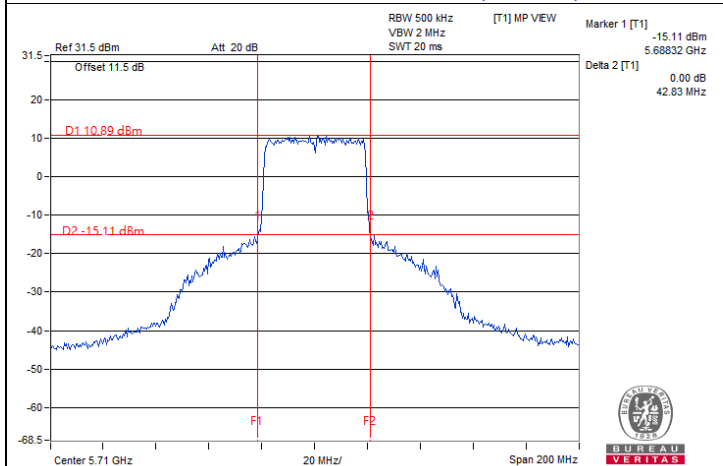
Spectrum Plot of Minimum Value



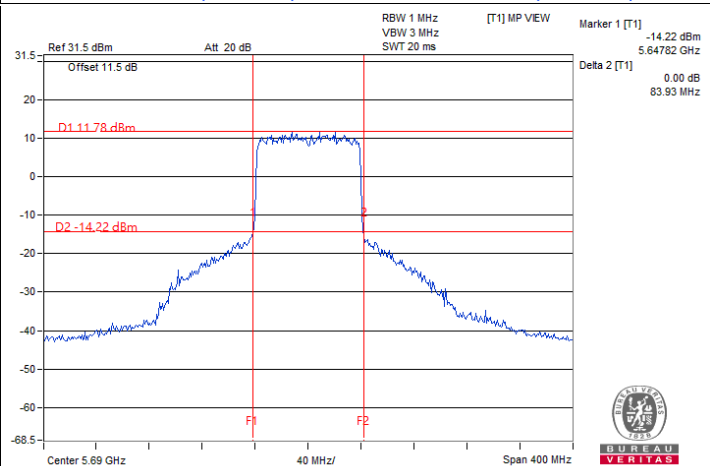
802.11a / Chain 1 : CH 144 (U-NII-3)



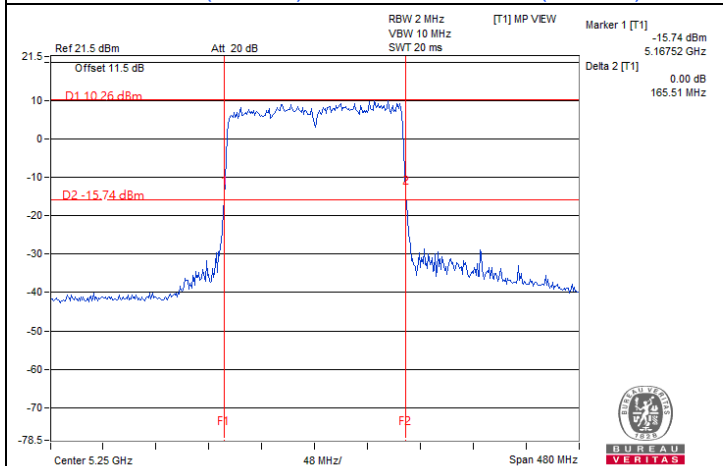
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



802.11be (EHT40) / Chain 3 : CH 142 (U-NII-3)



802.11be (EHT80) / Chain 2 : CH 138 (U-NII-3)



802.11be (EHT160) / Chain 2 : CH 50 (U-NII-1)

Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
--------------	----------------	---------------------------	--------------	------------	------------

802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	21.26	20.85	20.91	20.44	489.251	26.90	30	Pass
40	5200	23.74	23.93	23.86	23.93	974.157	29.89	30	Pass
48	5240	23.91	23.81	23.72	23.57	949.488	29.77	30	Pass
52	5260	17.74	17.91	17.90	17.67	241.369	23.83	24	Pass
60	5300	17.94	17.96	18.08	17.66	247.361	23.93	24	Pass
64	5320	18.01	17.91	17.85	17.74	245.426	23.90	24	Pass
100	5500	17.69	17.81	17.91	17.92	242.89	23.85	24	Pass
116	5580	17.84	17.88	17.77	17.86	243.125	23.86	24	Pass
140	5700	18.04	17.90	17.84	17.86	247.247	23.93	24	Pass
*144 (U-NII-2C)	5720	16.35	16.15	16.40	16.34	171.066	22.33	23.08	Pass
*144 (U-NII-3)	5720	10.05	10.83	9.35	9.00	38.775	15.89	30	Pass
149	5745	23.75	23.77	23.68	23.88	953.058	29.79	30	Pass
157	5785	24.15	24.04	23.86	23.48	979.593	29.91	30	Pass
165	5825	23.40	24.04	23.55	23.96	947.639	29.77	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	20.45	20.75	20.41	20.37	448.561	26.52	30	Pass
40	5200	22.70	22.18	21.97	21.79	659.811	28.19	30	Pass
48	5240	23.77	23.74	23.65	23.59	935.123	29.71	30	Pass
52	5260	17.84	17.67	17.78	17.66	237.616	23.76	24	Pass
60	5300	17.81	17.70	17.89	17.55	237.682	23.76	24	Pass
64	5320	17.99	17.69	17.71	17.50	236.954	23.75	24	Pass
100	5500	17.88	17.71	17.74	17.66	238.17	23.77	24	Pass
116	5580	17.80	17.97	17.81	17.80	243.568	23.87	24	Pass
140	5700	17.91	17.72	17.55	17.74	237.272	23.75	24	Pass
*144 (U-NII-2C)	5720	15.86	16.50	15.78	15.18	154.021	21.88	24	Pass
*144 (U-NII-3)	5720	10.87	11.08	10.65	10.28	47.322	16.75	30	Pass
149	5745	23.93	24.10	23.84	23.64	977.521	29.90	30	Pass
157	5785	23.91	23.67	23.72	23.62	944.495	29.75	30	Pass
165	5825	23.95	23.80	23.50	23.67	944.878	29.75	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	18.85	19.14	18.90	18.75	311.385	24.93	30	Pass
46	5230	23.62	24.06	23.88	24.01	980.938	29.92	30	Pass
54	5270	17.73	17.82	17.91	17.83	242.302	23.84	24	Pass
62	5310	17.95	17.72	17.96	17.58	241.327	23.83	24	Pass
102	5510	17.70	17.69	17.79	17.78	237.73	23.76	24	Pass
110	5550	17.70	17.88	17.85	17.82	241.748	23.83	24	Pass
134	5670	17.70	17.75	17.60	17.90	237.654	23.76	24	Pass
*142 (U-NII-2C)	5710	16.44	16.50	16.51	17.22	186.218	22.70	24	Pass
*142 (U-NII-3)	5710	6.98	7.12	7.06	7.80	21.248	13.27	30	Pass
151	5755	23.87	23.96	23.75	23.90	975.275	29.89	30	Pass
159	5795	23.63	24.08	23.78	23.95	973.628	29.88	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.51	20.76	20.42	20.21	446.693	26.50	30	Pass
58	5290	17.69	17.53	17.91	17.99	240.125	23.80	24	Pass
106	5530	17.84	17.70	17.67	17.70	237.061	23.75	24	Pass
122	5610	17.74	17.99	17.77	17.86	243.315	23.86	24	Pass
*138 (U-NII-2C)	5690	17.23	17.40	17.46	17.48	219.493	23.41	24	Pass
*138 (U-NII-3)	5690	3.76	4.16	4.29	4.32	10.372	10.16	30	Pass
155	5775	23.79	23.90	23.58	23.84	954.94	29.80	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.57	12.60	12.62	12.62	72.831	18.62	30	Pass
*50 (U-NII-2A)	5250	13.71	13.78	13.70	13.69	94.205	19.74	24	Pass
114	5570	17.74	17.65	17.75	17.80	237.462	23.76	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	20.50	20.78	20.43	20.42	452.438	26.56	30	Pass
40	5200	22.71	22.22	22.02	21.80	663.94	28.22	30	Pass
48	5240	23.81	23.77	23.67	23.62	941.622	29.74	30	Pass
52	5260	17.86	17.69	17.80	17.71	239.119	23.79	24	Pass
60	5300	17.83	17.72	17.92	17.59	239.186	23.79	24	Pass
64	5320	17.92	17.72	17.74	17.54	237.284	23.75	24	Pass
100	5500	17.90	17.76	17.77	17.68	239.818	23.80	24	Pass
116	5580	17.82	18.02	17.83	17.83	245.268	23.90	24	Pass
140	5700	17.89	17.70	17.58	17.75	237.248	23.75	24	Pass
*144 (U-NII-2C)	5720	15.95	16.56	15.83	15.25	156.424	21.94	24	Pass
*144 (U-NII-3)	5720	10.97	11.18	10.74	10.34	48.297	16.84	30	Pass
149	5745	23.98	24.15	23.87	23.68	987.177	29.94	30	Pass
157	5785	23.86	23.68	23.76	23.62	944.394	29.75	30	Pass
165	5825	23.89	23.78	23.59	23.65	943.987	29.75	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	18.87	19.18	18.92	18.78	313.377	24.96	30	Pass
46	5230	23.67	24.07	23.91	24.04	987.629	29.95	30	Pass
54	5270	17.78	17.85	17.95	17.86	244.4	23.88	24	Pass
62	5310	17.98	17.73	18.00	17.59	242.606	23.85	24	Pass
102	5510	17.72	17.74	17.81	17.82	239.514	23.79	24	Pass
110	5550	17.71	17.92	17.86	17.84	242.872	23.85	24	Pass
134	5670	17.73	17.76	17.65	17.93	239.293	23.79	24	Pass
*142 (U-NII-2C)	5710	16.48	16.56	16.55	17.29	188.518	22.75	24	Pass
*142 (U-NII-3)	5710	7.07	7.19	7.09	7.84	21.527	13.33	30	Pass
151	5755	23.92	23.98	23.79	23.95	984.283	29.93	30	Pass
159	5795	23.67	24.11	23.79	24.00	980.961	29.92	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.56	20.80	20.45	20.23	450.345	26.54	30	Pass
58	5290	17.74	17.58	17.94	18.00	242.035	23.84	24	Pass
106	5530	17.87	17.73	17.70	17.71	238.432	23.77	24	Pass
122	5610	17.78	18.04	17.81	17.90	245.713	23.90	24	Pass
*138 (U-NII-2C)	5690	17.30	17.45	17.54	17.55	222.933	23.48	24	Pass
*138 (U-NII-3)	5690	3.82	4.21	4.32	4.39	10.498	10.21	30	Pass
155	5775	23.80	23.92	23.59	23.86	958.268	29.81	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.67	12.68	12.69	12.70	74.227	18.71	30	Pass
*50 (U-NII-2A)	5250	13.74	13.83	13.80	13.78	95.68	19.81	24	Pass
114	5570	17.78	17.69	17.80	17.81	239.379	23.79	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	20.53	20.81	20.47	20.45	455.83	26.59	30	Pass
40	5200	22.76	22.26	22.07	21.85	671.24	28.27	30	Pass
48	5240	23.85	23.80	23.69	23.65	948.167	29.77	30	Pass
52	5260	17.90	17.74	17.81	17.76	241.187	23.82	24	Pass
60	5300	17.85	17.74	17.94	17.63	240.556	23.81	24	Pass
64	5320	17.96	17.77	17.79	17.57	239.624	23.80	24	Pass
100	5500	17.91	17.77	17.80	17.69	240.648	23.81	24	Pass
116	5580	17.85	18.03	17.84	17.86	246.394	23.92	24	Pass
140	5700	17.90	17.74	17.63	17.77	238.873	23.78	24	Pass
*144 (U-NII-2C)	5720	15.98	16.62	15.93	15.35	158.999	22.01	23.36	Pass
*144 (U-NII-3)	5720	11.01	11.25	10.81	10.37	48.893	16.89	30	Pass
149	5745	23.99	24.19	23.90	23.72	994.009	29.97	30	Pass
157	5785	23.76	23.70	23.79	23.65	943.178	29.75	30	Pass
165	5825	23.80	23.83	23.60	23.68	943.862	29.75	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	18.89	19.21	18.97	18.80	315.558	24.99	30	Pass
46	5230	23.70	24.08	23.93	24.05	991.551	29.96	30	Pass
54	5270	17.83	17.87	17.98	17.87	245.95	23.91	24	Pass
62	5310	18.00	17.78	18.03	17.63	244.551	23.88	24	Pass
102	5510	17.77	17.75	17.83	17.83	240.755	23.82	24	Pass
110	5550	17.74	17.96	17.88	17.88	244.699	23.89	24	Pass
134	5670	17.76	17.78	17.70	17.94	240.797	23.82	24	Pass
*142 (U-NII-2C)	5710	16.58	16.66	16.64	17.39	192.803	22.85	24	Pass
*142 (U-NII-3)	5710	7.10	7.26	7.17	7.91	21.842	13.39	30	Pass
151	5755	23.95	24.00	23.80	23.96	988.271	29.95	30	Pass
159	5795	23.71	24.14	23.81	24.03	987.747	29.95	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.58	20.81	20.48	20.25	452.403	26.56	30	Pass
58	5290	17.77	17.59	17.95	18.01	242.867	23.85	24	Pass
106	5530	17.91	17.76	17.71	17.74	239.954	23.80	24	Pass
122	5610	17.80	18.09	17.86	17.92	247.711	23.94	24	Pass
*138 (U-NII-2C)	5690	17.36	17.51	17.61	17.58	225.77	23.54	24	Pass
*138 (U-NII-3)	5690	3.92	4.28	4.39	4.42	10.66	10.28	30	Pass
155	5775	23.84	23.95	23.63	23.87	964.872	29.84	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.70	12.78	12.77	12.75	75.348	18.77	30	Pass
*50 (U-NII-2A)	5250	13.83	13.89	13.88	13.86	97.402	19.89	24	Pass
114	5570	17.82	17.74	17.81	17.84	241.172	23.82	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	20.35	20.61	20.28	20.28	436.792	26.40	30	Pass
40	5200	22.56	22.07	21.92	21.65	643.181	28.08	30	Pass
48	5240	23.72	23.63	23.47	23.47	910.842	29.59	30	Pass
52	5260	17.77	17.57	17.61	17.60	232.21	23.66	24	Pass
60	5300	17.68	17.55	17.76	17.47	231.05	23.64	24	Pass
64	5320	17.80	17.61	17.61	17.41	230.69	23.63	24	Pass
100	5500	17.80	17.62	17.64	17.49	232.247	23.66	24	Pass
116	5580	17.71	17.84	17.71	17.73	238.146	23.77	24	Pass
140	5700	17.79	17.52	17.46	17.62	230.139	23.62	24	Pass
*144 (U-NII-2C)	5720	15.82	16.46	15.75	15.16	152.847	21.84	24	Pass
*144 (U-NII-3)	5720	10.82	11.06	10.64	10.24	46.998	16.72	30	Pass
149	5745	23.89	23.96	23.70	23.55	954.679	29.80	30	Pass
157	5785	23.61	23.55	23.63	23.48	909.598	29.59	30	Pass
165	5825	23.65	23.63	23.44	23.52	908.12	29.58	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	18.75	19.05	18.77	18.65	303.96	24.83	30	Pass
46	5230	23.50	23.89	23.75	23.83	947.462	29.77	30	Pass
54	5270	17.61	17.70	17.77	17.71	235.422	23.72	24	Pass
62	5310	17.86	17.58	17.89	17.48	235.867	23.73	24	Pass
102	5510	17.60	17.57	17.65	17.63	230.845	23.63	24	Pass
110	5550	17.60	17.79	17.71	17.67	235.16	23.71	24	Pass
134	5670	17.59	17.63	17.55	17.77	232.081	23.66	24	Pass
*142 (U-NII-2C)	5710	16.40	16.48	16.48	17.22	185.301	22.68	24	Pass
*142 (U-NII-3)	5710	6.95	7.09	7.03	7.75	21.075	13.24	30	Pass
151	5755	23.73	23.81	23.65	23.79	947.555	29.77	30	Pass
159	5795	23.54	23.98	23.63	23.86	949.873	29.78	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.38	20.66	20.33	20.10	435.781	26.39	30	Pass
58	5290	17.61	17.42	17.80	17.85	234.094	23.69	24	Pass
106	5530	17.74	17.55	17.61	17.57	231.139	23.64	24	Pass
122	5610	17.65	17.89	17.68	17.78	238.321	23.77	24	Pass
*138 (U-NII-2C)	5690	17.23	17.38	17.45	17.46	218.855	23.40	24	Pass
*138 (U-NII-3)	5690	3.72	4.15	4.28	4.32	10.338	10.14	30	Pass
155	5775	23.63	23.78	23.51	23.69	927.728	29.67	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.53	12.57	12.60	12.61	72.414	18.60	30	Pass
*50 (U-NII-2A)	5250	13.70	13.78	13.67	13.69	93.99	19.73	24	Pass
114	5570	17.71	17.57	17.67	17.66	232.991	23.67	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	20.41	20.67	20.33	20.32	442.123	26.46	30	Pass
40	5200	22.65	22.15	21.96	21.71	653.424	28.15	30	Pass
48	5240	23.77	23.69	23.55	23.55	925.045	29.66	30	Pass
52	5260	17.83	17.61	17.68	17.68	235.578	23.72	24	Pass
60	5300	17.72	17.60	17.84	17.51	233.877	23.69	24	Pass
64	5320	17.84	17.68	17.69	17.45	233.767	23.69	24	Pass
100	5500	17.85	17.67	17.71	17.58	235.732	23.72	24	Pass
116	5580	17.76	17.91	17.75	17.77	240.913	23.82	24	Pass
140	5700	17.84	17.61	17.54	17.71	234.265	23.70	24	Pass
*144 (U-NII-2C)	5720	15.93	16.54	15.79	15.20	155.3	21.91	24	Pass
*144 (U-NII-3)	5720	10.93	11.16	10.73	10.29	47.971	16.81	30	Pass
149	5745	23.93	24.04	23.78	23.63	970.141	29.87	30	Pass
157	5785	23.67	23.63	23.71	23.53	923.871	29.66	30	Pass
165	5825	23.72	23.71	23.52	23.58	923.408	29.65	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	18.80	19.13	18.86	18.70	308.748	24.90	30	Pass
46	5230	23.58	23.95	23.84	23.92	965.054	29.85	30	Pass
54	5270	17.69	17.75	17.86	17.77	239.251	23.79	24	Pass
62	5310	17.93	17.66	17.94	17.56	239.678	23.80	24	Pass
102	5510	17.69	17.65	17.70	17.71	234.864	23.71	24	Pass
110	5550	17.65	17.85	17.78	17.76	238.847	23.78	24	Pass
134	5670	17.65	17.68	17.61	17.84	235.314	23.72	24	Pass
*142 (U-NII-2C)	5710	16.48	16.54	16.53	17.28	187.979	22.74	24	Pass
*142 (U-NII-3)	5710	7.05	7.16	7.07	7.82	21.417	13.31	30	Pass
151	5755	23.81	23.89	23.70	23.86	962.986	29.84	30	Pass
159	5795	23.62	24.03	23.69	23.95	965.271	29.85	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.45	20.74	20.38	20.15	442.153	26.46	30	Pass
58	5290	17.65	17.50	17.84	17.90	236.917	23.75	24	Pass
106	5530	17.82	17.62	17.65	17.66	234.899	23.71	24	Pass
122	5610	17.72	17.98	17.75	17.83	242.202	23.84	24	Pass
*138 (U-NII-2C)	5690	17.25	17.41	17.52	17.53	221.287	23.45	24	Pass
*138 (U-NII-3)	5690	3.79	4.19	4.31	4.34	10.432	10.18	30	Pass
155	5775	23.70	23.83	23.55	23.73	938.481	29.72	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.67	12.68	12.65	12.70	74.057	18.70	30	Pass
*50 (U-NII-2A)	5250	13.71	13.78	13.80	13.74	95.022	19.78	24	Pass
114	5570	17.75	17.63	17.72	17.73	235.958	23.73	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	20.50	20.76	20.43	20.40	451.382	26.55	30	Pass
40	5200	22.75	22.22	22.06	21.80	667.14	28.24	30	Pass
48	5240	23.84	23.79	23.65	23.64	944.38	29.75	30	Pass
52	5260	17.88	17.70	17.78	17.75	239.806	23.80	24	Pass
60	5300	17.80	17.70	17.91	17.58	238.222	23.77	24	Pass
64	5320	17.93	17.74	17.78	17.55	238.381	23.77	24	Pass
100	5500	17.90	17.74	17.78	17.64	239.144	23.79	24	Pass
116	5580	17.84	17.99	17.83	17.84	245.251	23.90	24	Pass
140	5700	17.89	17.71	17.61	17.76	237.918	23.76	24	Pass
*144 (U-NII-2C)	5720	15.95	16.58	15.91	15.33	157.967	21.99	24	Pass
*144 (U-NII-3)	5720	10.97	11.22	10.80	10.36	48.633	16.87	30	Pass
149	5745	23.98	24.14	23.86	23.68	986.019	29.94	30	Pass
157	5785	23.75	23.69	23.78	23.63	940.477	29.73	30	Pass
165	5825	23.79	23.78	23.59	23.64	937.879	29.72	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	18.86	19.18	18.92	18.79	313.374	24.96	30	Pass
46	5230	23.66	24.05	23.92	24.02	985.323	29.94	30	Pass
54	5270	17.78	17.82	17.96	17.85	243.984	23.87	24	Pass
62	5310	17.98	17.76	18.01	17.62	243.56	23.87	24	Pass
102	5510	17.76	17.71	17.78	17.78	238.682	23.78	24	Pass
110	5550	17.70	17.92	17.84	17.83	242.316	23.84	24	Pass
134	5670	17.71	17.74	17.69	17.89	238.716	23.78	24	Pass
*142 (U-NII-2C)	5710	16.53	16.65	16.59	17.34	191.02	22.81	24	Pass
*142 (U-NII-3)	5710	7.05	7.25	7.15	7.86	21.676	13.36	30	Pass
151	5755	23.90	23.99	23.78	23.91	980.9	29.92	30	Pass
159	5795	23.68	24.11	23.77	24.00	980.399	29.91	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.54	20.79	20.44	20.22	449.049	26.52	30	Pass
58	5290	17.72	17.58	17.90	17.99	241.046	23.82	24	Pass
106	5530	17.90	17.71	17.70	17.73	238.857	23.78	24	Pass
122	5610	17.78	18.07	17.81	17.89	246.013	23.91	24	Pass
*138 (U-NII-2C)	5690	17.33	17.51	17.60	17.58	225.263	23.53	24	Pass
*138 (U-NII-3)	5690	3.91	4.27	4.34	4.40	10.604	10.25	30	Pass
155	5775	23.80	23.93	23.61	23.83	958.217	29.81	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

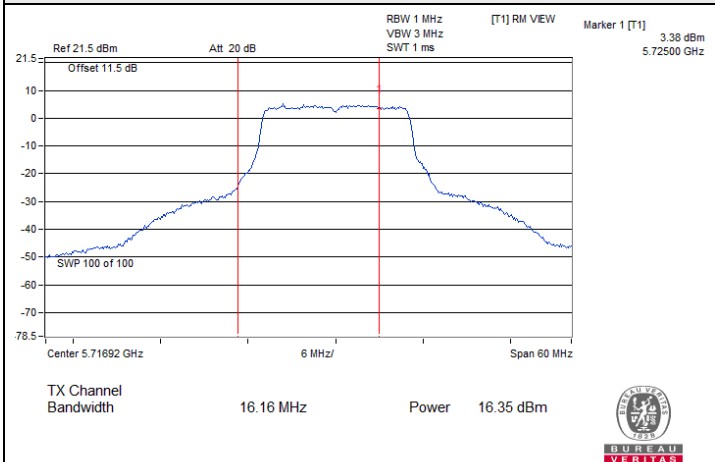
802.11be (EHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	12.70	12.78	12.74	12.74	75.174	18.76	30	Pass
*50 (U-NII-2A)	5250	13.81	13.89	13.84	13.83	96.899	19.86	24	Pass
114	5570	17.81	17.70	17.80	17.82	240.069	23.80	24	Pass

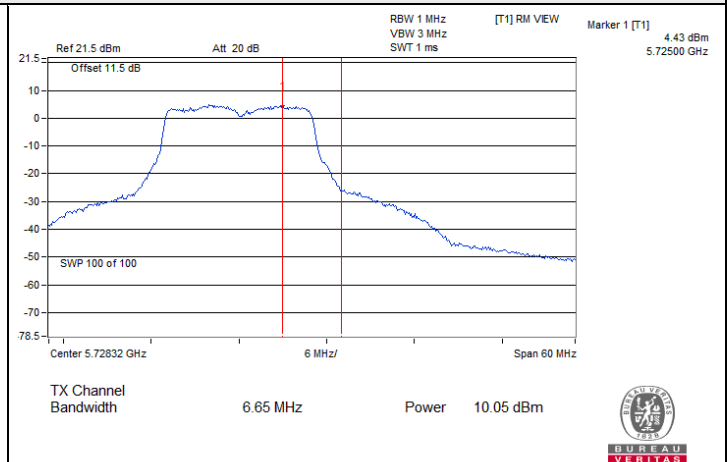
Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the output power limit shall not be reduced.

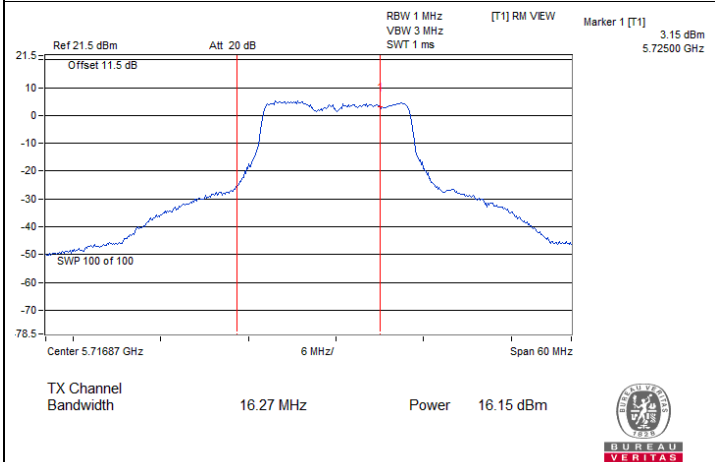
Spectrum Plot for channel straddling



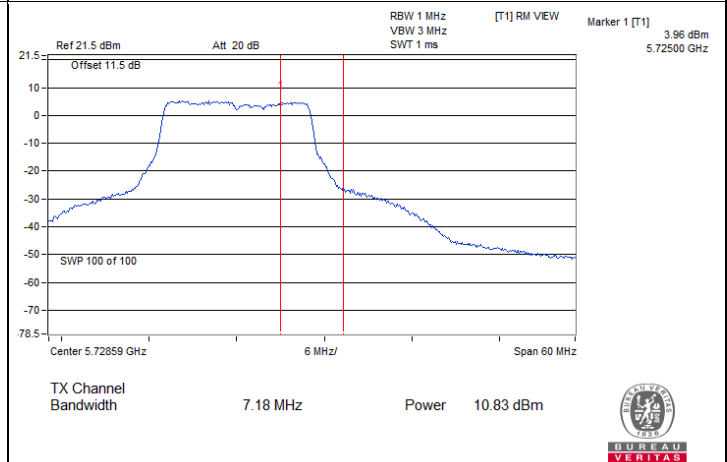
802.11a CDD / Chain 0 : CH 144 (U-NII-2C)



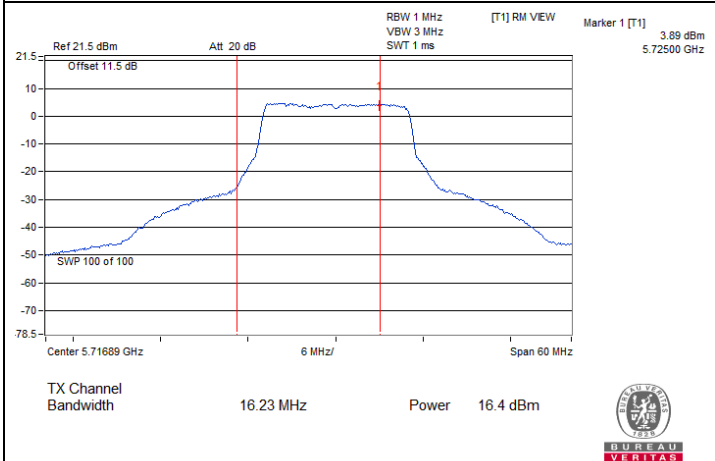
802.11a CDD / Chain 0 : CH 144 (U-NII-3)



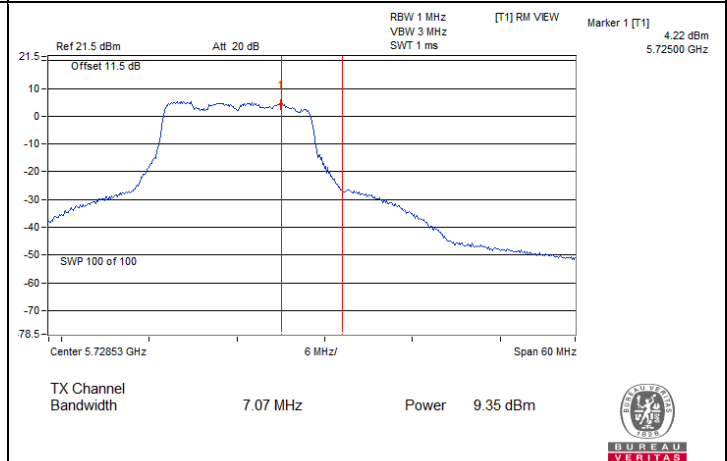
802.11a CDD / Chain 1 : CH 144 (U-NII-2C)



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

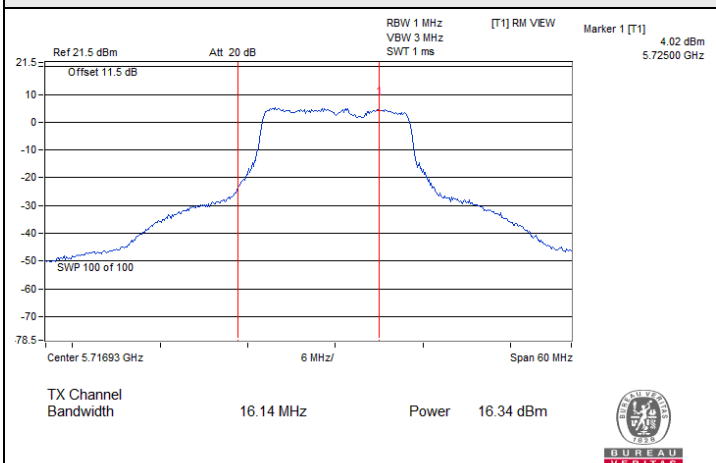


802.11a CDD / Chain 2 : CH 144 (U-NII-2C)

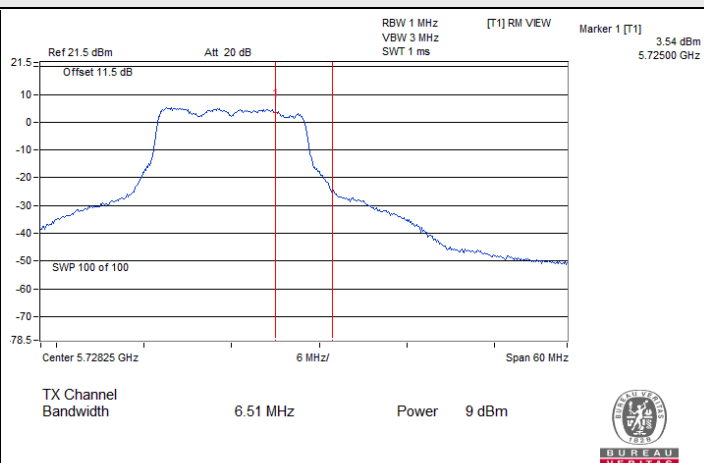


802.11a CDD / Chain 2 : CH 144 (U-NII-3)

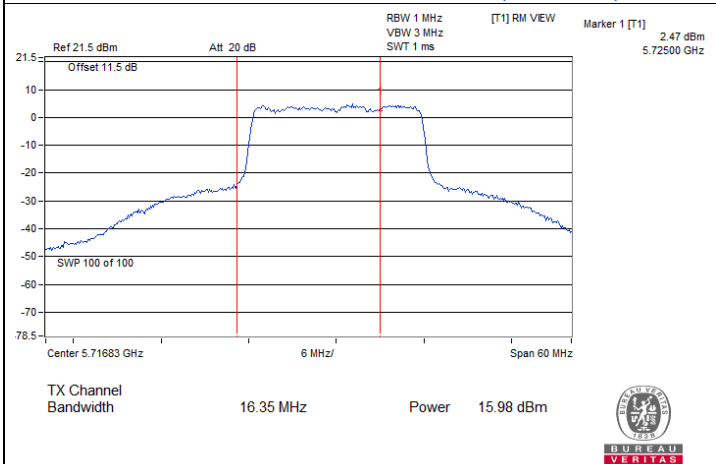
Spectrum Plot for channel straddling



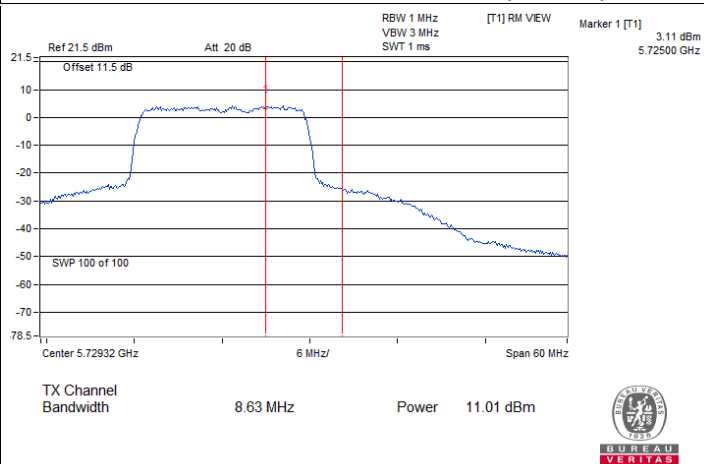
802.11a CDD / Chain 3 : CH 144 (U-NII-2C)



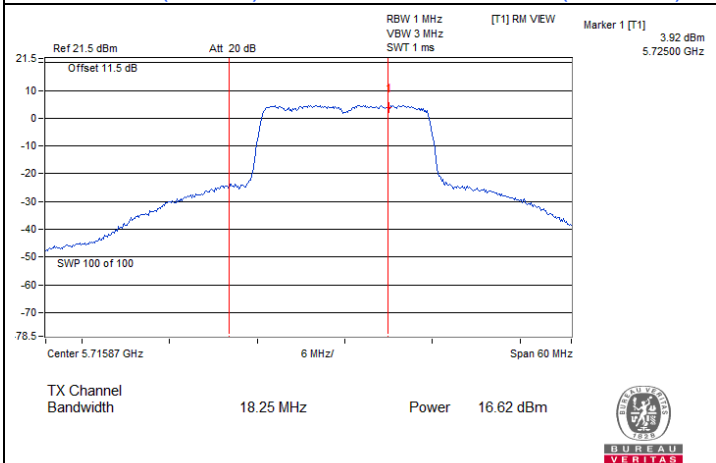
802.11a CDD / Chain 3 : CH 144 (U-NII-3)



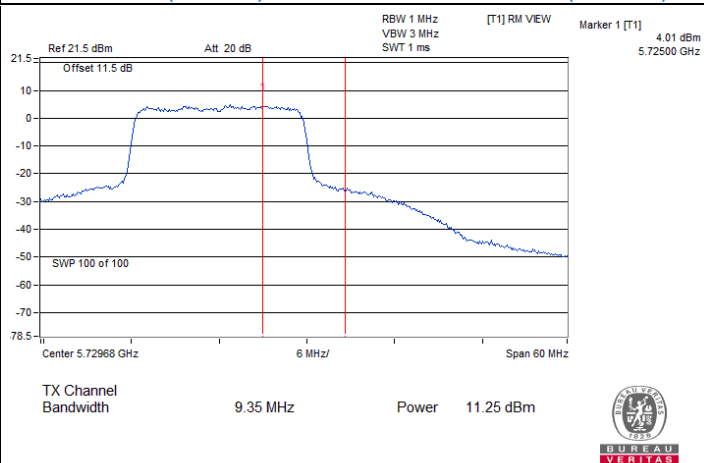
802.11be (EHT20) CDD / Chain 0 : CH 144 (U-NII-2C)



802.11be (EHT20) CDD / Chain 0 : CH 144 (U-NII-3)

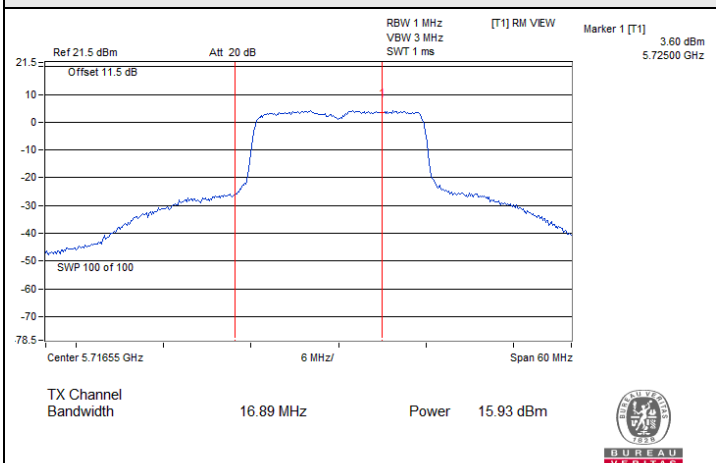


802.11be (EHT20) CDD / Chain 1 : CH 144 (U-NII-2C)

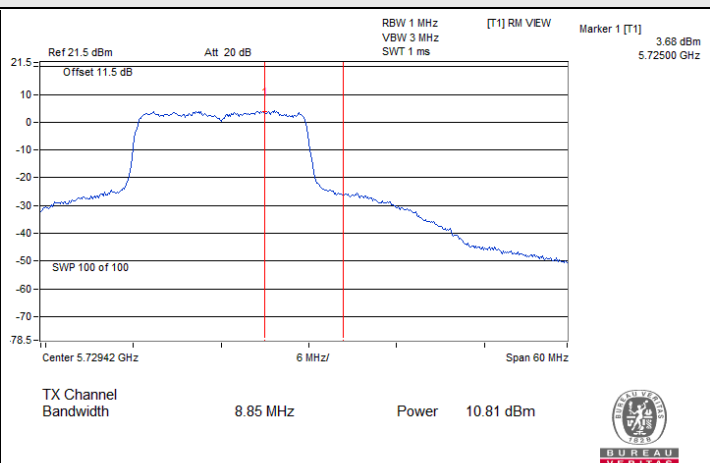


802.11be (EHT20) CDD / Chain 1 : CH 144 (U-NII-3)

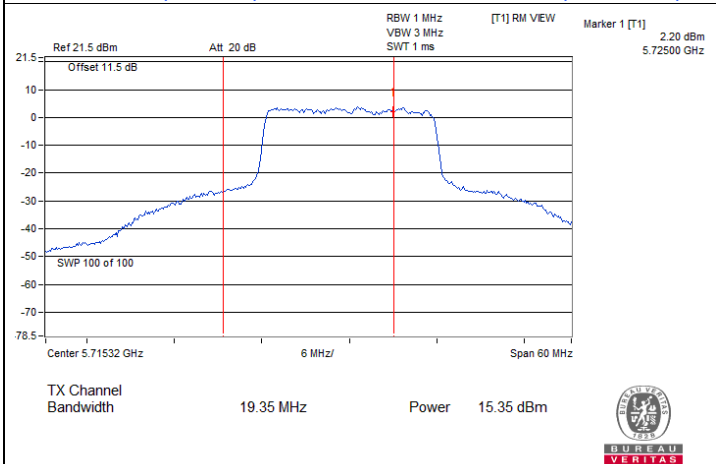
Spectrum Plot for channel straddling



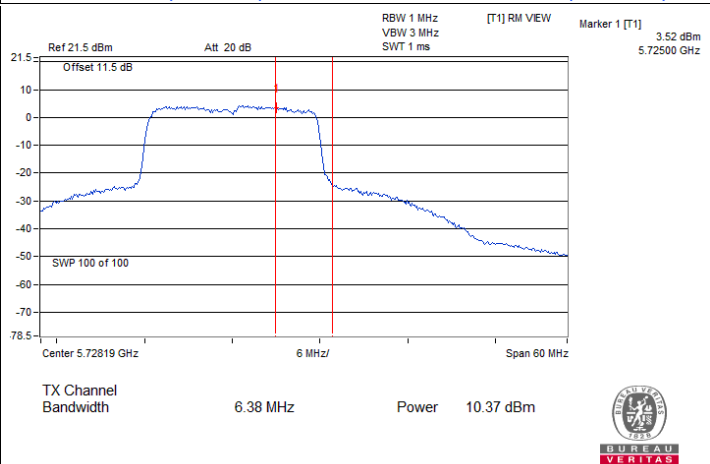
802.11be (EHT20) CDD / Chain 2 : CH 144 (U-NII-2C)



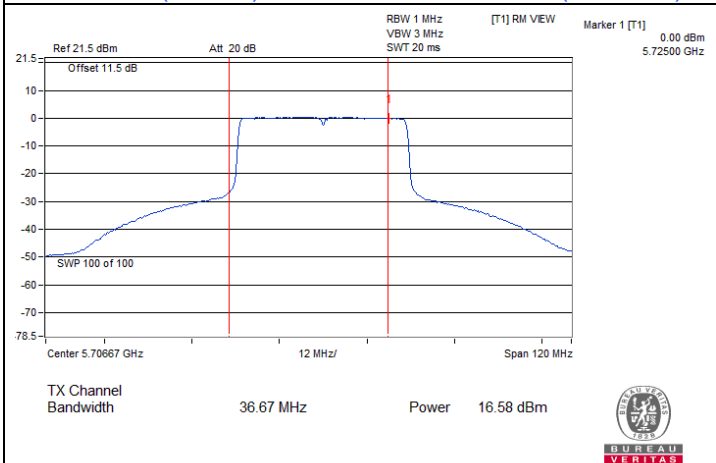
802.11be (EHT20) CDD / Chain 2 : CH 144 (U-NII-3)



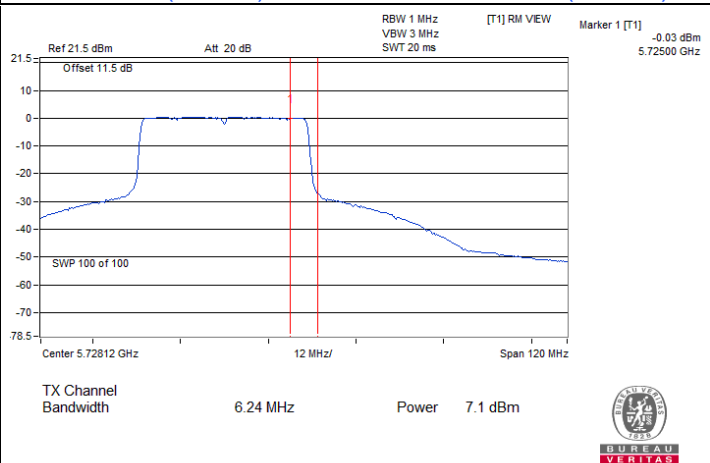
802.11be (EHT20) CDD / Chain 3 : CH 144 (U-NII-2C)



802.11be (EHT20) CDD / Chain 3 : CH 144 (U-NII-3)

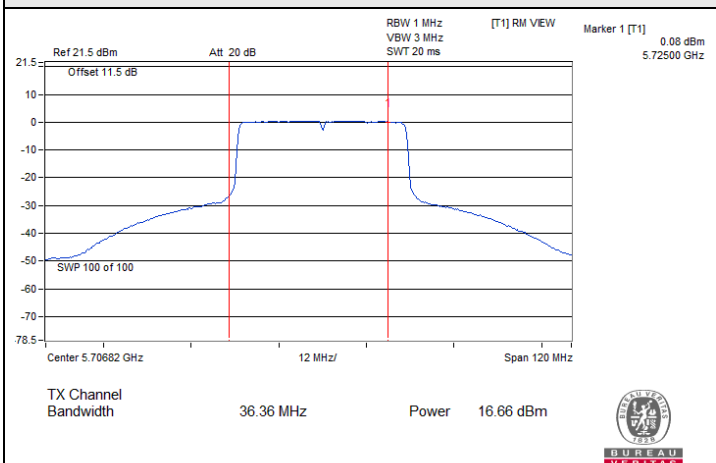


802.11be (EHT40) CDD / Chain 0 : CH 142 (U-NII-2C)

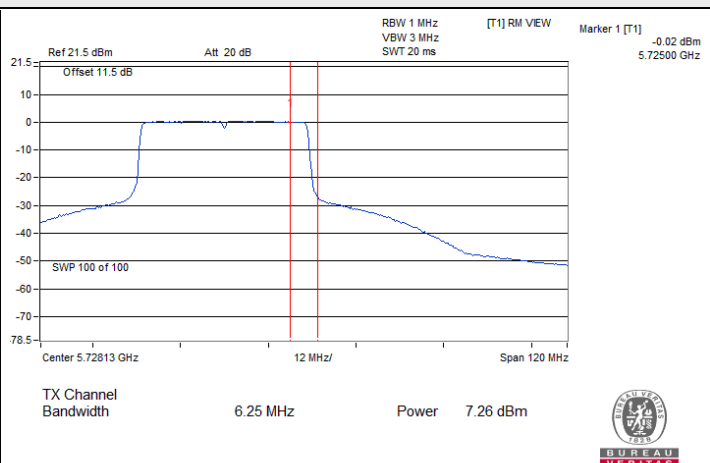


802.11be (EHT40) CDD / Chain 0 : CH 142 (U-NII-3)

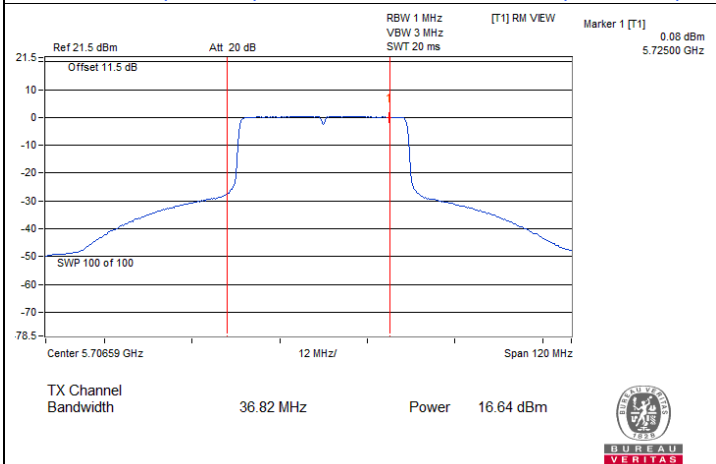
Spectrum Plot for channel straddling



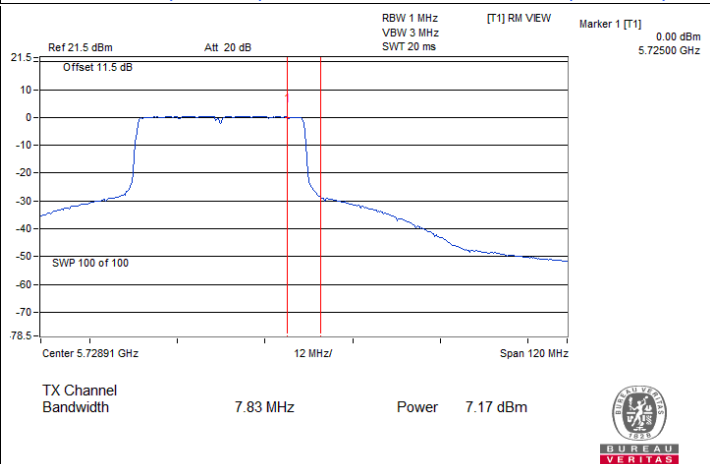
802.11be (EHT40) CDD / Chain 1 : CH 142 (U-NII-2C)



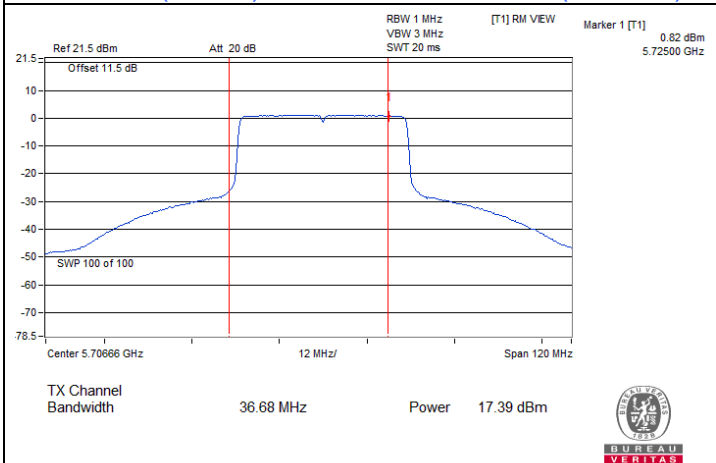
802.11be (EHT40) CDD / Chain 1 : CH 142 (U-NII-3)



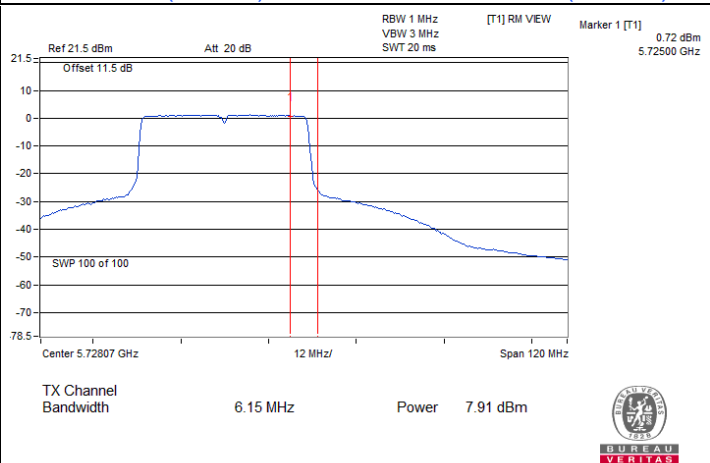
802.11be (EHT40) CDD / Chain 2 : CH 142 (U-NII-2C)



802.11be (EHT40) CDD / Chain 2 : CH 142 (U-NII-3)

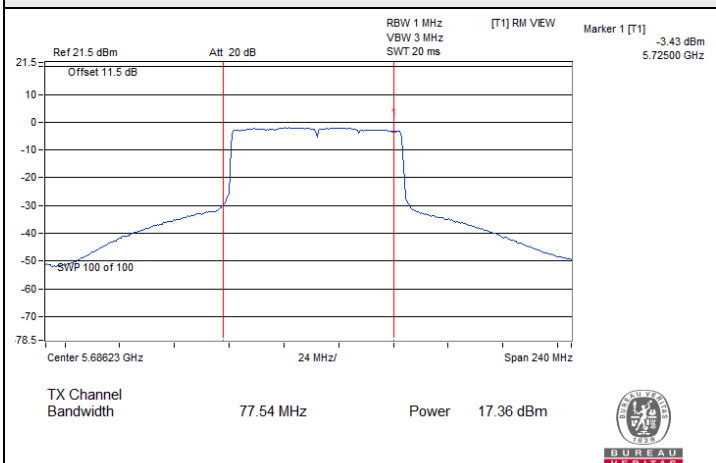


802.11be (EHT40) CDD / Chain 3 : CH 142 (U-NII-2C)

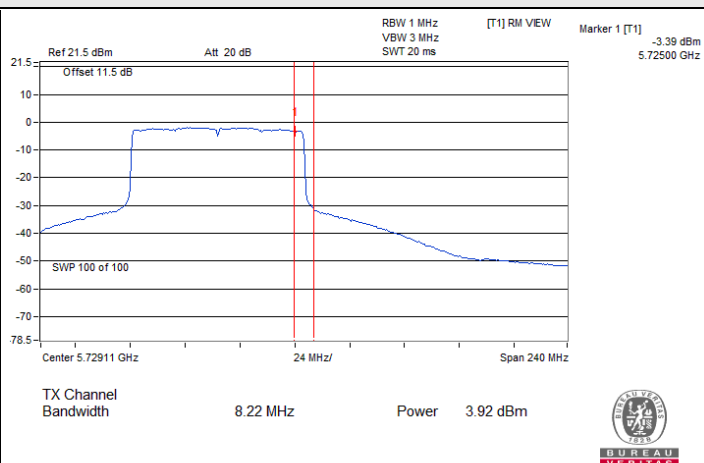


802.11be (EHT40) CDD / Chain 3 : CH 142 (U-NII-3)

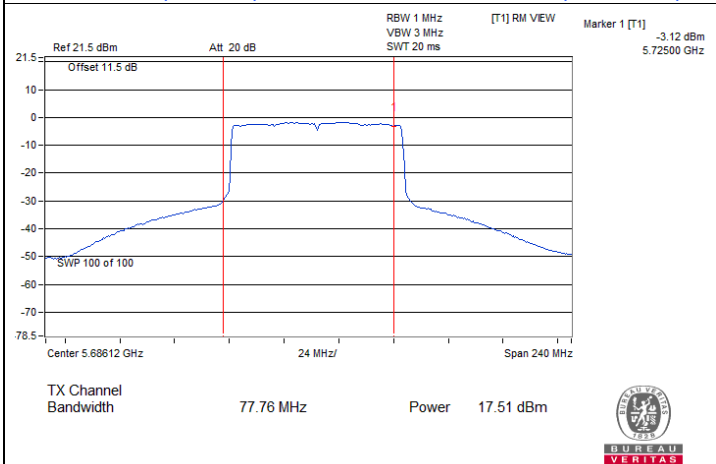
Spectrum Plot for channel straddling



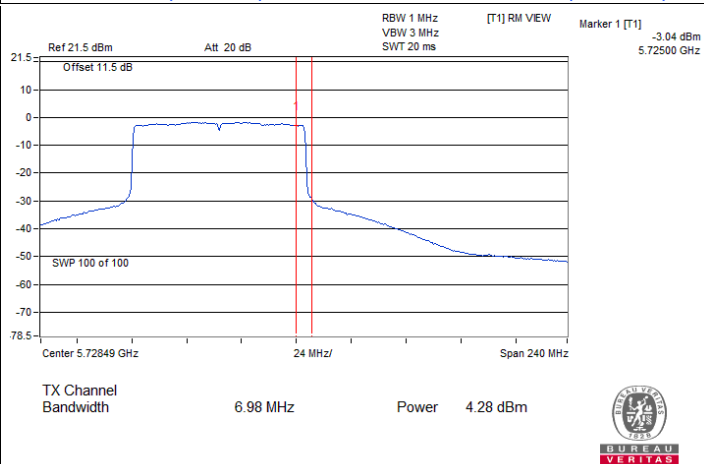
802.11be (EHT80) CDD / Chain 0 : CH 138 (U-NII-2C)



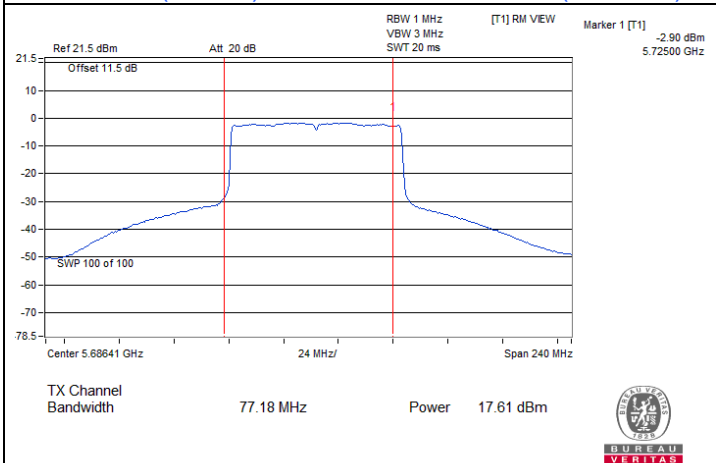
802.11be (EHT80) CDD / Chain 0 : CH 138 (U-NII-3)



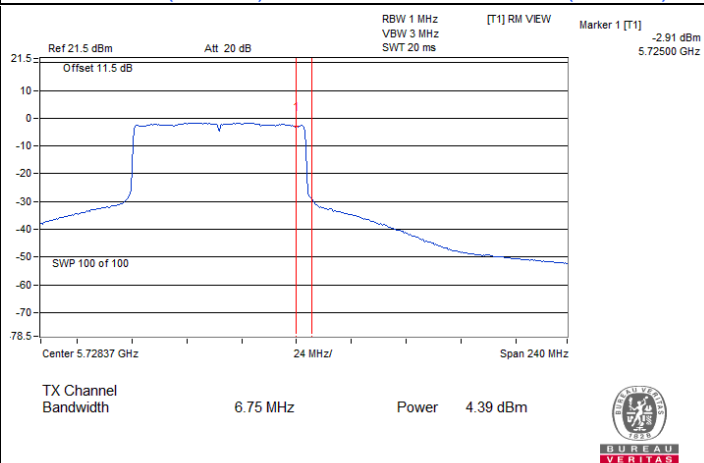
802.11be (EHT80) CDD / Chain 1 : CH 138 (U-NII-2C)



802.11be (EHT80) CDD / Chain 1 : CH 138 (U-NII-3)

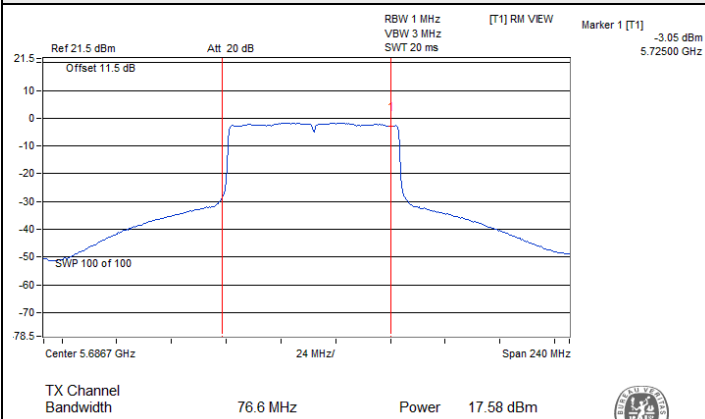


802.11be (EHT80) CDD / Chain 2 : CH 138 (U-NII-2C)

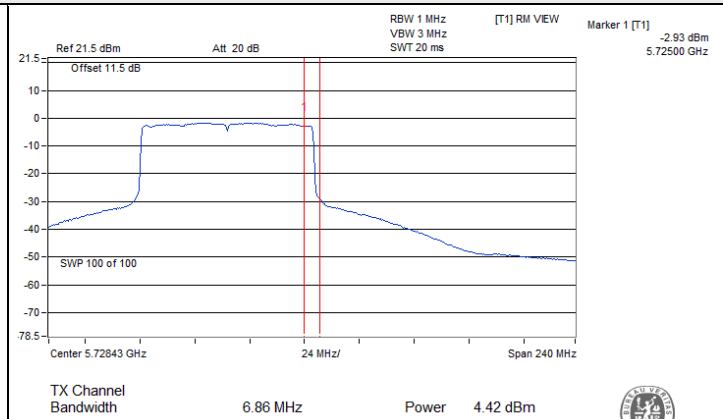


802.11be (EHT80) CDD / Chain 2 : CH 138 (U-NII-3)

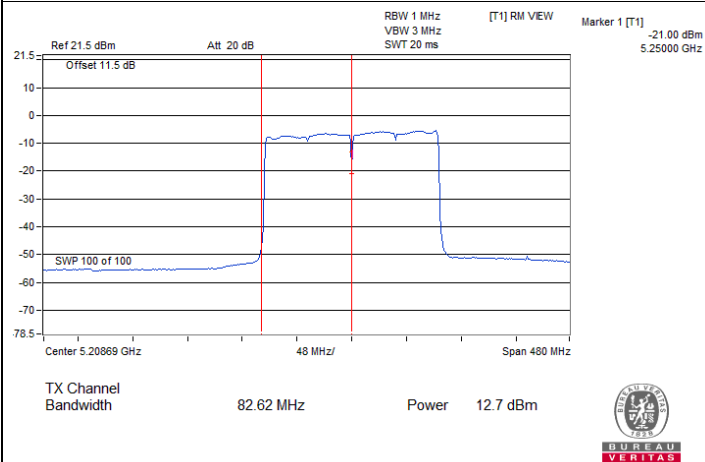
Spectrum Plot for channel straddling



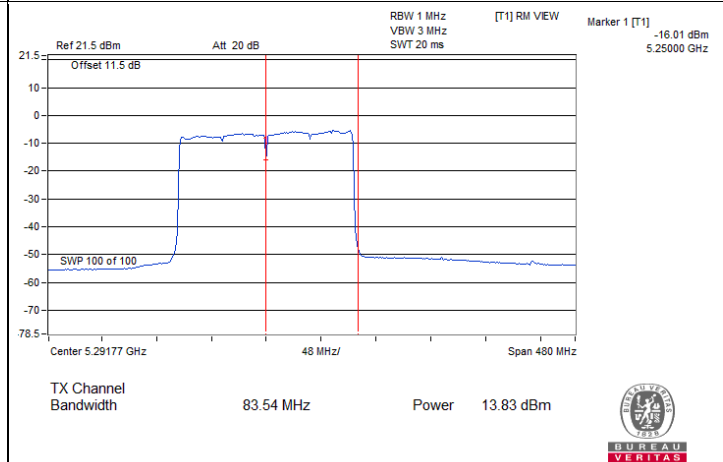
802.11be (EHT80) CDD / Chain 3 : CH 138 (U-NII-2C)



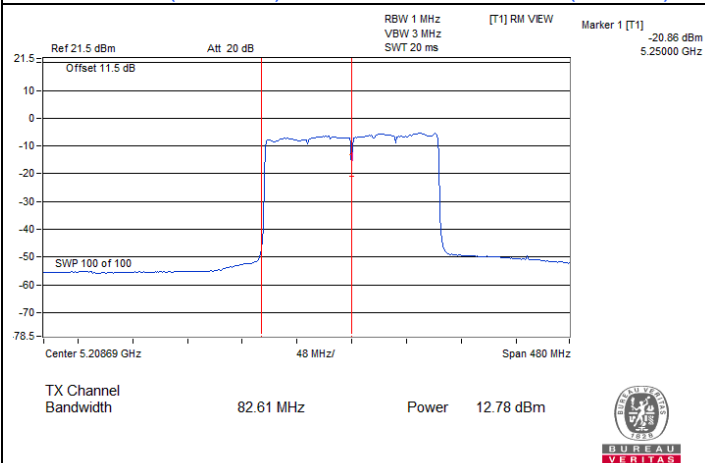
802.11be (EHT80) CDD / Chain 3 : CH 138 (U-NII-3)



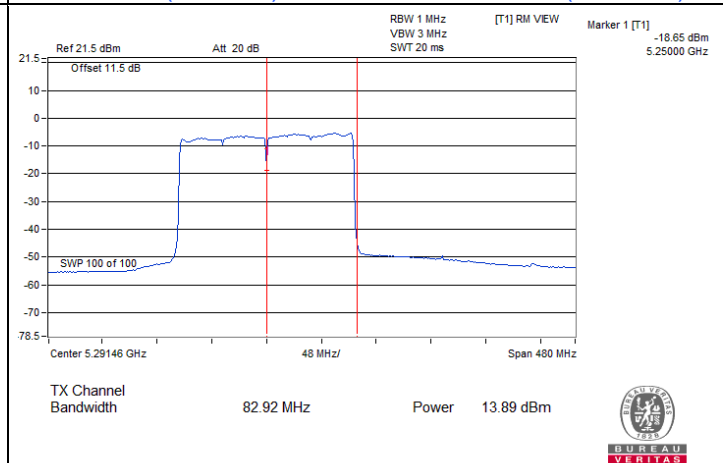
802.11be (EHT160) CDD / Chain 0 : CH 50 (U-NII-1)



802.11be (EHT160) CDD / Chain 0 : CH 50 (U-NII-2A)

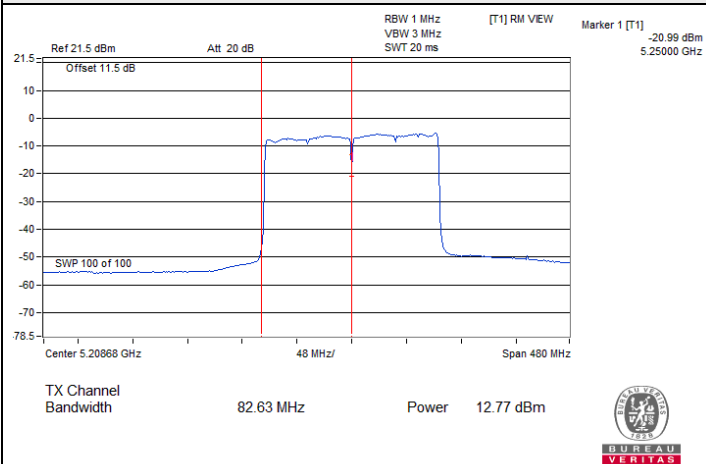


802.11be (EHT160) CDD / Chain 1 : CH 50 (U-NII-1)

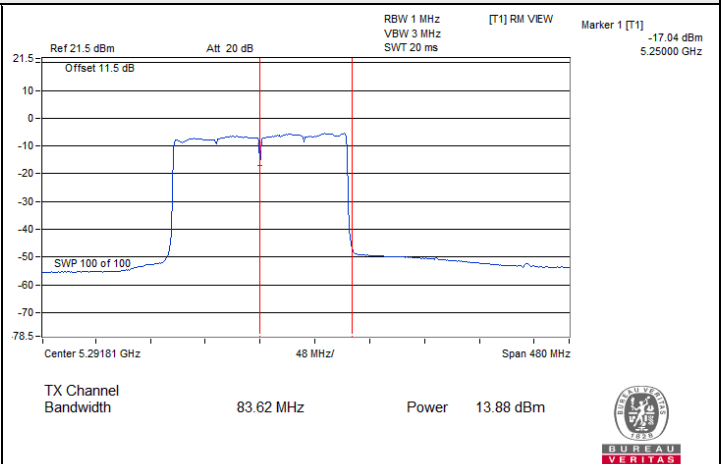


802.11be (EHT160) CDD / Chain 1 : CH 50 (U-NII-2A)

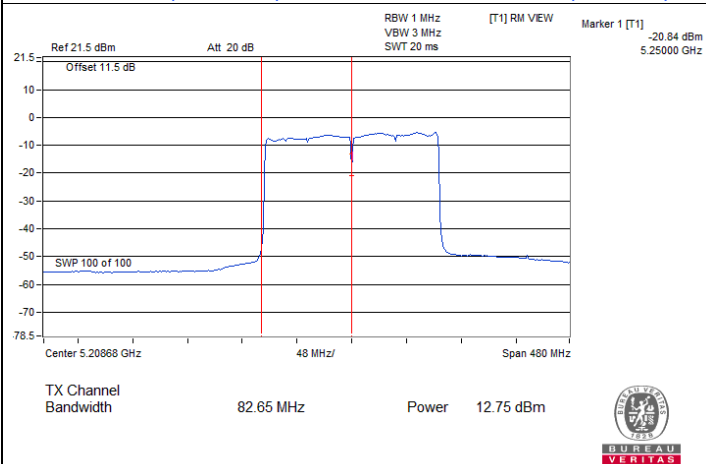
Spectrum Plot for channel straddling



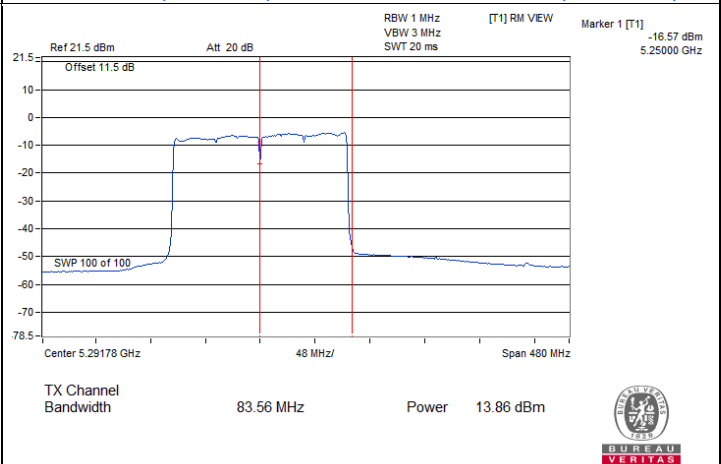
802.11be (EHT160) CDD / Chain 2 : CH 50 (U-NII-1)



802.11be (EHT160) CDD / Chain 2 : CH 50 (U-NII-2A)



802.11be (EHT160) CDD / Chain 3 : CH 50 (U-NII-1)



802.11be (EHT160) CDD / Chain 3 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
--------------	----------------	---------------------------	--------------	------------	------------

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	6.39	6.97	7.23	7.03	12.94	17	Pass
40	5200	9.03	9.29	9.53	9.45	15.35	17	Pass
48	5240	9.30	9.37	9.38	9.37	15.38	17	Pass
52	5260	3.50	3.11	3.46	3.38	9.39	11	Pass
60	5300	3.27	3.15	3.44	3.47	9.36	11	Pass
64	5320	3.49	2.91	3.11	3.18	9.20	11	Pass
100	5500	3.08	3.11	3.28	3.36	9.23	11	Pass
116	5580	3.28	3.53	3.56	3.82	9.57	11	Pass
140	5700	3.27	3.39	3.32	3.74	9.45	11	Pass
144 (U-NII-2C)	5720	3.53	3.41	3.44	3.52	9.50	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 5.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	5.44	5.67	5.99	6.06	11.82	17	Pass
40	5200	5.82	6.52	6.41	6.60	12.37	17	Pass
48	5240	6.54	6.47	6.38	6.40	12.47	17	Pass
52	5260	3.15	3.30	2.94	3.15	9.16	11	Pass
60	5300	3.09	3.09	3.46	3.08	9.20	11	Pass
64	5320	3.36	3.36	3.00	3.04	9.21	11	Pass
100	5500	3.06	2.96	3.21	3.26	9.14	11	Pass
116	5580	3.05	3.24	3.14	3.24	9.19	11	Pass
140	5700	3.01	2.99	2.94	3.32	9.09	11	Pass
144 (U-NII-2C)	5720	3.25	3.28	3.33	3.22	9.29	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 5.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
38	5190	1.90	1.77	1.51	1.88	7.79	17	Pass
46	5230	6.18	6.40	6.48	6.57	12.43	17	Pass
54	5270	0.62	1.07	0.54	1.22	6.89	11	Pass
62	5310	0.31	1.20	0.47	1.22	6.84	11	Pass
102	5510	0.56	0.93	0.57	1.06	6.81	11	Pass
110	5550	0.67	1.21	0.60	1.19	6.95	11	Pass
134	5670	0.33	0.74	0.29	1.02	6.63	11	Pass
142 (U-NII-2C)	5710	0.16	0.45	0.44	1.16	6.59	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 5.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
42	5210	1.11	0.61	0.80	0.65	6.82	17	Pass
58	5290	-1.74	-1.81	-1.63	-1.41	4.38	11	Pass
106	5530	-3.21	-3.02	-3.02	-2.62	3.06	11	Pass
122	5610	-1.96	-2.10	-0.99	-1.86	4.32	11	Pass
138 (U-NII-2C)	5690	-2.20	-1.83	-1.74	-1.81	4.13	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
50 (U-NII-1)	5250	-8.03	-7.75	-7.47	-7.71	-1.71	17	Pass
50 (U-NII-2A)	5250	-6.89	-6.83	-6.65	-6.71	-0.75	11	Pass
114	5570	-7.32	-7.29	-7.20	-6.86	-1.14	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.75 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	144 (U-NII-3)	5720	-4.71	-2.49	6.02	3.53	30	Pass
	149	5745	1.3	3.52	6.02	9.54	30	Pass
	157	5785	1.51	3.73	6.02	9.75	30	Pass
	165	5825	1.41	3.63	6.02	9.65	30	Pass
Chain 1	144 (U-NII-3)	5720	-5.07	-2.85	6.02	3.17	30	Pass
	149	5745	1.7	3.92	6.02	9.94	30	Pass
	157	5785	1.33	3.55	6.02	9.57	30	Pass
	165	5825	1.3	3.52	6.02	9.54	30	Pass
Chain 2	144 (U-NII-3)	5720	-5.07	-2.85	6.02	3.17	30	Pass
	149	5745	1.81	4.03	6.02	10.05	30	Pass
	157	5785	1.56	3.78	6.02	9.8	30	Pass
	165	5825	1.05	3.27	6.02	9.29	30	Pass
Chain 3	144 (U-NII-3)	5720	-5.07	-2.85	6.02	3.17	30	Pass
	149	5745	2.01	4.23	6.02	10.25	30	Pass
	157	5785	1.63	3.85	6.02	9.87	30	Pass
	165	5825	1.8	4.02	6.02	10.04	30	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	144 (U-NII-3)	5720	-5.76	-3.54	6.02	2.48	30	Pass
	149	5745	0.1	2.32	6.02	8.34	30	Pass
	157	5785	-0.31	1.91	6.02	7.93	30	Pass
	165	5825	-0.18	2.04	6.02	8.06	30	Pass
Chain 1	144 (U-NII-3)	5720	-5.85	-3.63	6.02	2.39	30	Pass
	149	5745	0.42	2.64	6.02	8.66	30	Pass
	157	5785	0	2.22	6.02	8.24	30	Pass
	165	5825	0.05	2.27	6.02	8.29	30	Pass
Chain 2	144 (U-NII-3)	5720	-6.05	-3.83	6.02	2.19	30	Pass
	149	5745	0.56	2.78	6.02	8.8	30	Pass
	157	5785	0.11	2.33	6.02	8.35	30	Pass
	165	5825	-0.04	2.18	6.02	8.2	30	Pass
Chain 3	144 (U-NII-3)	5720	-6.04	-3.82	6.02	2.2	30	Pass
	149	5745	0.66	2.88	6.02	8.9	30	Pass
	157	5785	0.03	2.25	6.02	8.27	30	Pass
	165	5825	0.1	2.32	6.02	8.34	30	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	142 (U-NII-3)	5710	-9.38	-7.16	6.02	-1.14	30	Pass
	151	5755	-2.39	-0.17	6.02	5.85	30	Pass
	159	5795	-2.23	-0.01	6.02	6.01	30	Pass
Chain 1	142 (U-NII-3)	5710	-9.08	-6.86	6.02	-0.84	30	Pass
	151	5755	-2.55	-0.33	6.02	5.69	30	Pass
	159	5795	-2.78	-0.56	6.02	5.46	30	Pass
Chain 2	142 (U-NII-3)	5710	-9.1	-6.88	6.02	-0.86	30	Pass
	151	5755	-2.25	-0.03	6.02	5.99	30	Pass
	159	5795	-2.34	-0.12	6.02	5.9	30	Pass
Chain 3	142 (U-NII-3)	5710	-8.34	-6.12	6.02	-0.1	30	Pass
	151	5755	-2.26	-0.04	6.02	5.98	30	Pass
	159	5795	-2.46	-0.24	6.02	5.78	30	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

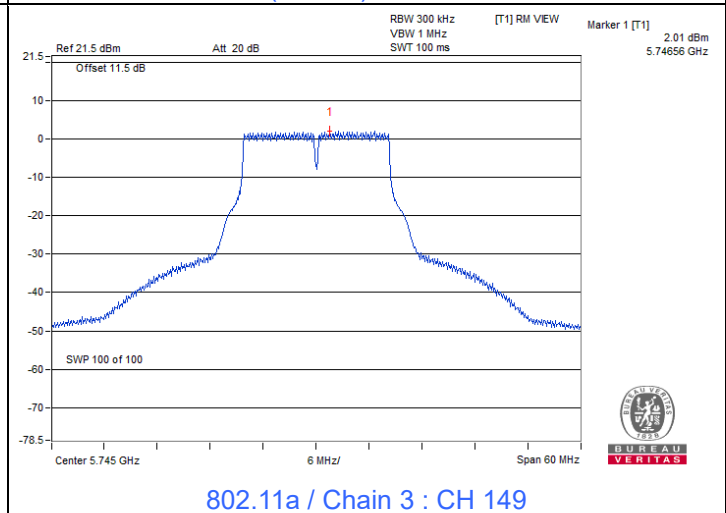
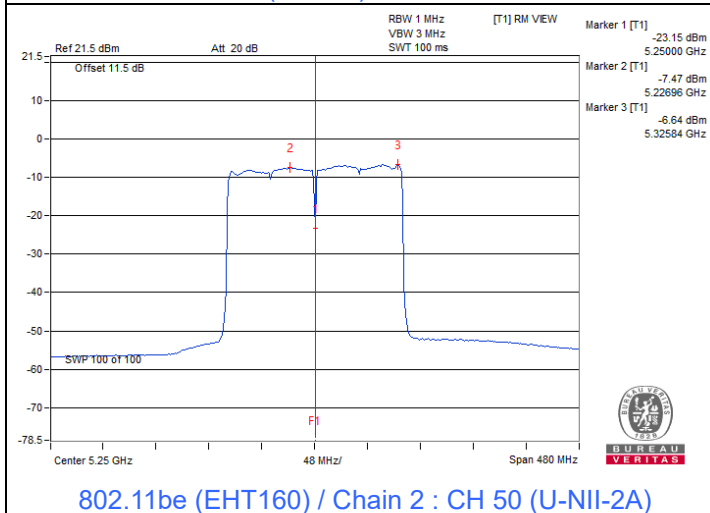
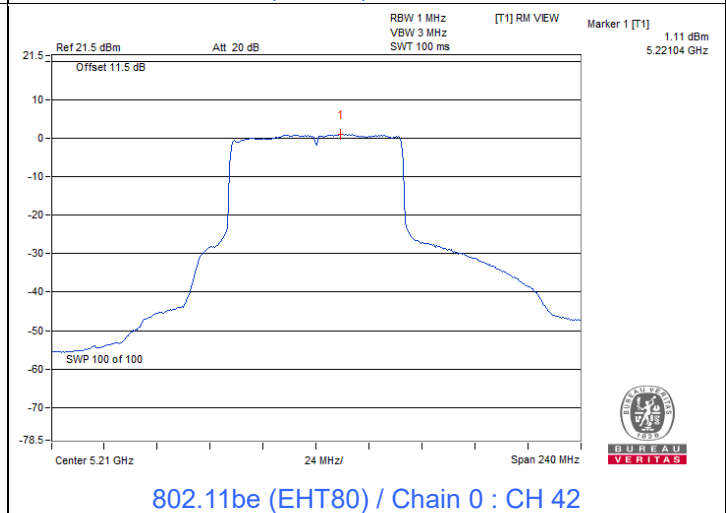
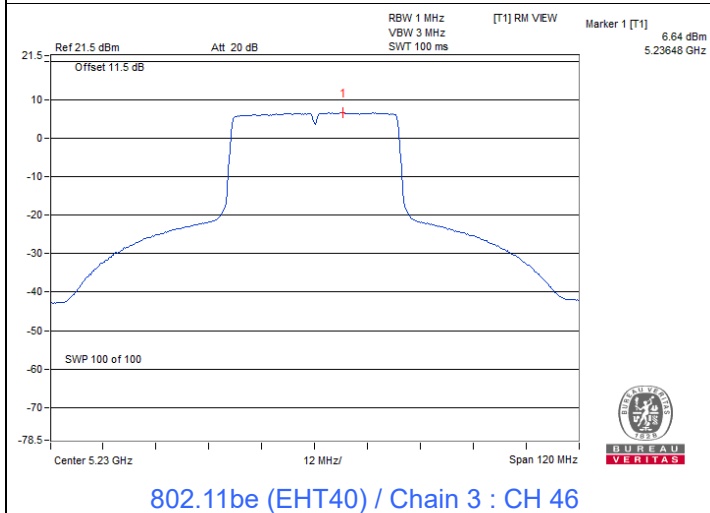
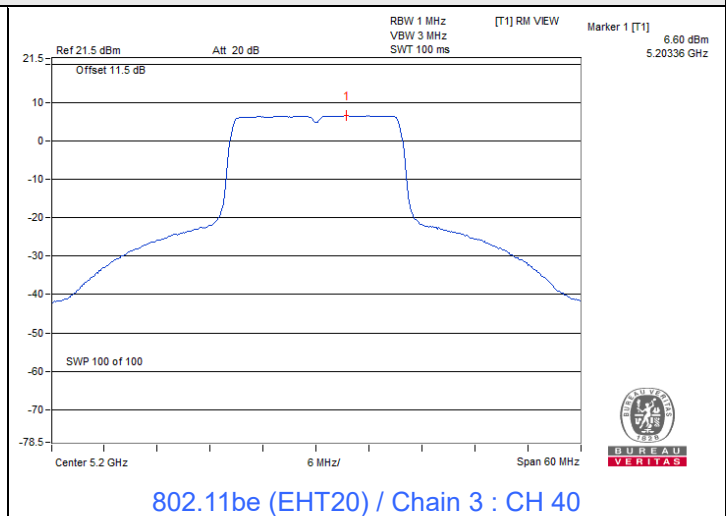
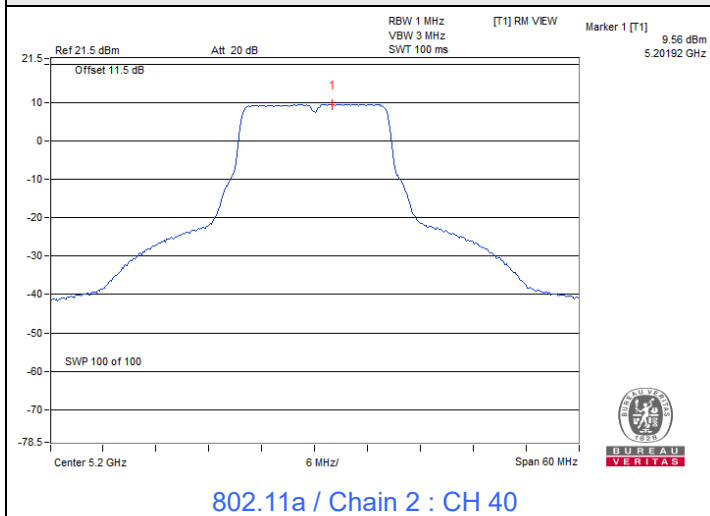
802.11be (EHT80)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	138 (U-NII-3)	5690	-12.46	-10.24	6.02	-4.22	30	Pass
	155	5775	-5.83	-3.61	6.02	2.41	30	Pass
Chain 1	138 (U-NII-3)	5690	-12.02	-9.8	6.02	-3.78	30	Pass
	155	5775	-6.21	-3.99	6.02	2.03	30	Pass
Chain 2	138 (U-NII-3)	5690	-11.82	-9.6	6.02	-3.58	30	Pass
	155	5775	-6.2	-3.98	6.02	2.04	30	Pass
Chain 3	138 (U-NII-3)	5690	-11.72	-9.5	6.02	-3.48	30	Pass
	155	5775	-5.81	-3.59	6.02	2.43	30	Pass

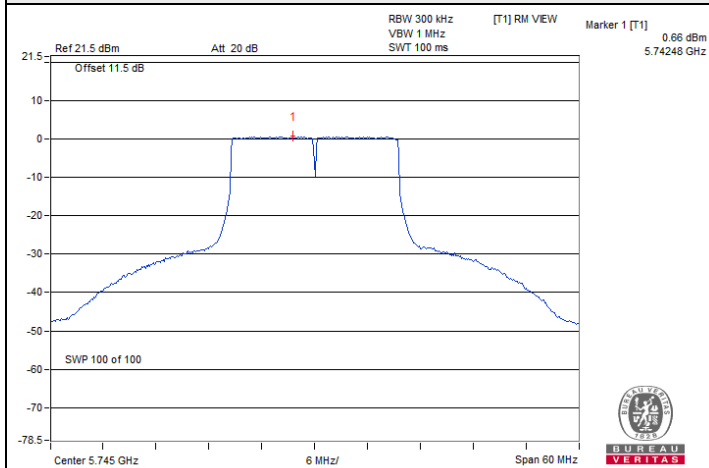
Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 5.75 dBi < 6 dBi, so the power density limit shall not be reduced.

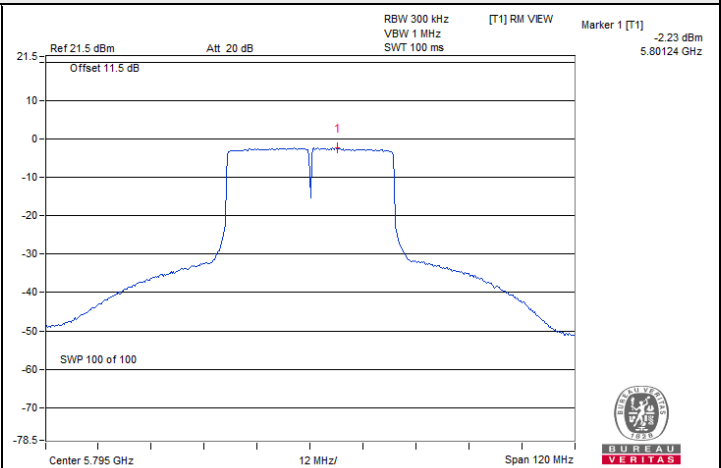
Spectrum Plot of Maximum Value



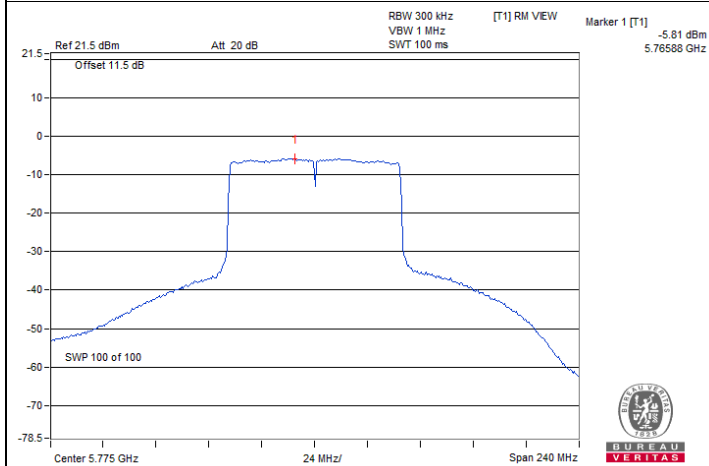
Spectrum Plot of Maximum Value



802.11be (EHT20) / Chain 3 : CH 149



802.11be (EHT40) / Chain 0 : CH 159



802.11be (EHT80) / Chain 3 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
--------------	----------------	---------------------------	--------------	------------	------------

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	3.21	3.20	3.21	3.21	0.5	Pass
149	5745	16.43	16.42	16.42	16.41	0.5	Pass
157	5785	16.42	16.41	16.41	16.45	0.5	Pass
165	5825	16.44	16.44	16.43	16.64	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	4.52	4.47	4.52	4.54	0.5	Pass
149	5745	19.04	19.03	19.00	19.07	0.5	Pass
157	5785	19.06	18.99	19.03	19.05	0.5	Pass
165	5825	19.04	18.96	19.02	19.09	0.5	Pass

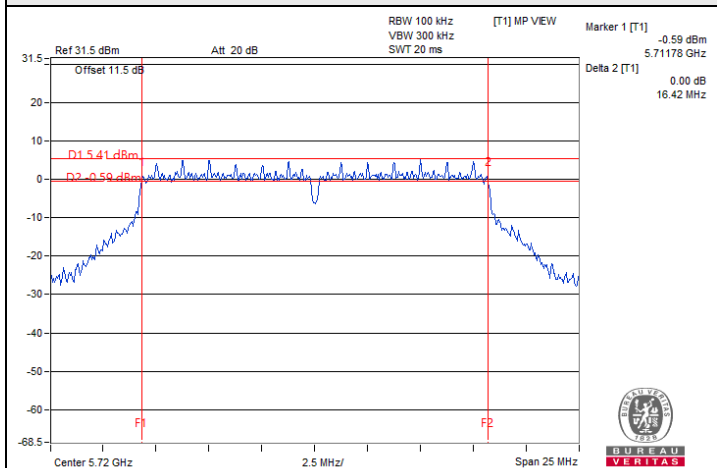
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
142 (U-NII-3)	5710	3.92	3.96	3.96	4.02	0.5	Pass
151	5755	37.91	37.98	37.81	38.07	0.5	Pass
159	5795	37.84	37.90	38.00	38.15	0.5	Pass

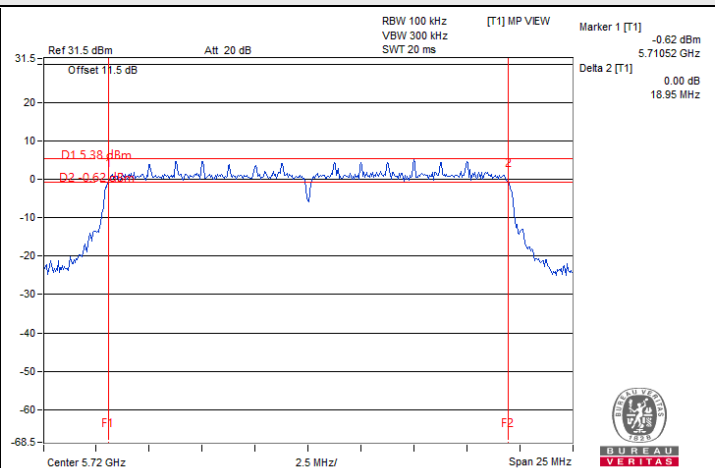
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
138 (U-NII-3)	5690	3.64	3.68	3.61	3.97	0.5	Pass
155	5775	77.86	77.39	77.66	77.79	0.5	Pass

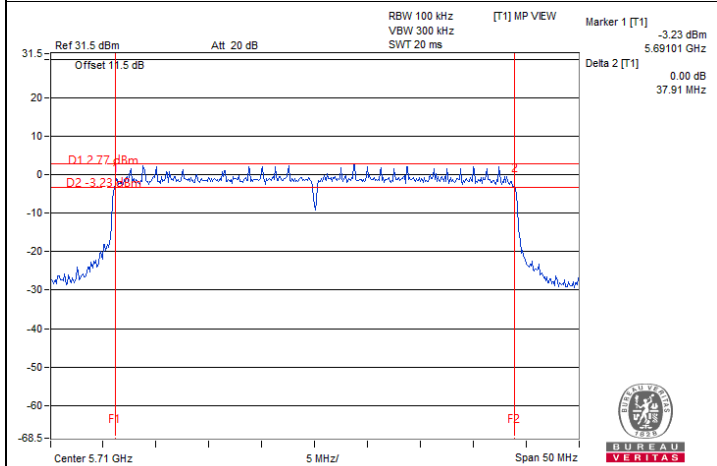
Spectrum Plot of Minimum Value



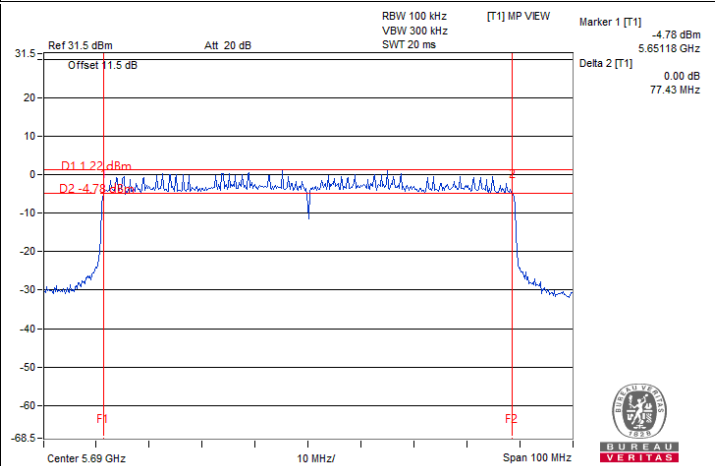
802.11a / Chain 1 : CH 144 (U-NII-3)



802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)



802.11be (EHT80) / Chain 2 : CH 138 (U-NII-3)

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

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
--------------	----------------	---------------------------	--------------	------------	------------

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	17.28	17.16	17.28	17.28
40	5200	17.28	17.40	17.28	17.52
48	5240	17.28	17.52	17.40	17.52
52	5260	17.28	17.40	17.40	17.52
60	5300	17.40	17.28	17.40	17.52
64	5320	17.52	17.52	17.52	17.40
100	5500	17.40	17.52	17.28	17.52
116	5580	17.40	17.28	17.28	17.64
140	5700	17.04	17.04	17.04	17.16
144 (U-NII-2C)	5720	13.76	13.76	13.76	13.76
144 (U-NII-3)	5720	3.64	3.64	3.64	3.64
149	5745	17.40	17.28	17.28	17.52
157	5785	17.28	17.28	17.28	17.40
165	5825	17.16	17.28	17.28	17.40

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.32	19.32	19.20	19.44
40	5200	19.20	19.32	19.32	19.20
48	5240	19.20	19.32	19.32	19.32
52	5260	19.44	19.32	19.20	19.20
60	5300	19.32	19.32	19.32	19.32
64	5320	19.32	19.44	19.32	19.32
100	5500	19.20	19.44	19.44	19.32
116	5580	19.32	19.32	19.44	19.20
140	5700	19.20	19.20	19.20	19.20
144 (U-NII-2C)	5720	14.72	14.72	14.72	14.72
144 (U-NII-3)	5720	4.60	4.60	4.60	4.60
149	5745	19.32	19.20	19.32	19.44
157	5785	19.32	19.32	19.32	19.32
165	5825	19.32	19.32	19.32	19.32

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	39.36	38.40	38.40	38.40
46	5230	38.40	37.92	38.40	38.16
54	5270	38.40	38.40	38.16	38.40
62	5310	38.16	38.40	38.40	38.40
102	5510	38.16	38.16	38.16	38.40
110	5550	38.16	38.16	38.40	38.16
134	5670	38.16	38.16	38.16	38.40
142 (U-NII-2C)	5710	34.20	34.20	34.20	34.20
142 (U-NII-3)	5710	3.96	3.96	3.96	4.20
151	5755	38.40	38.40	38.40	38.16
159	5795	38.16	38.16	38.16	38.16

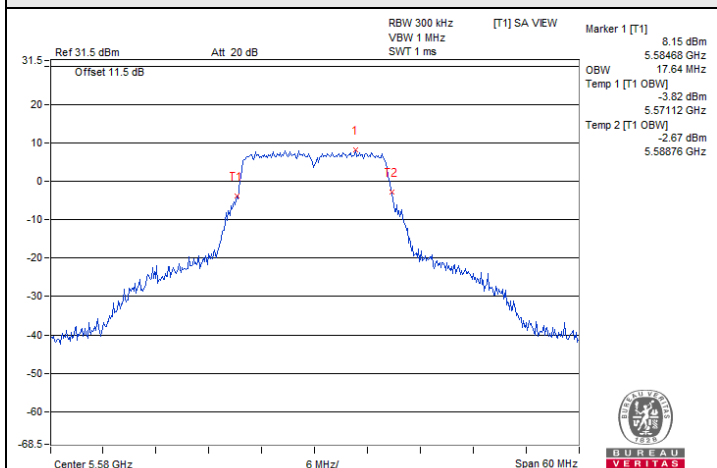
802.11be (EHT80)

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

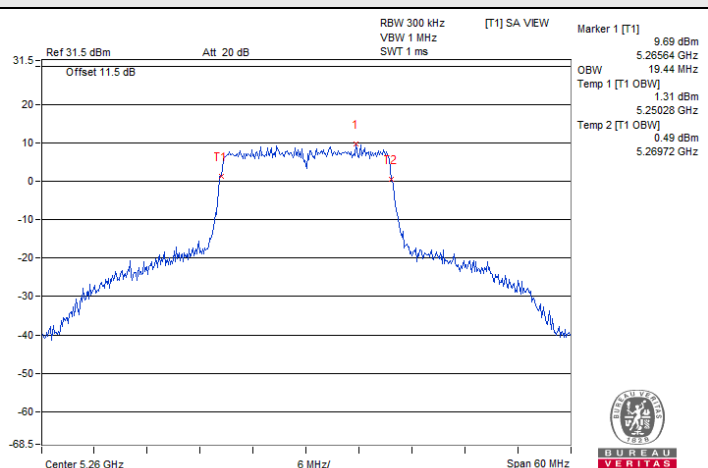
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	78.72	77.76	77.76	77.76
50 (U-NII-2A)	5250	78.72	78.72	78.72	78.72
114	5570	157.44	156.48	157.44	157.44

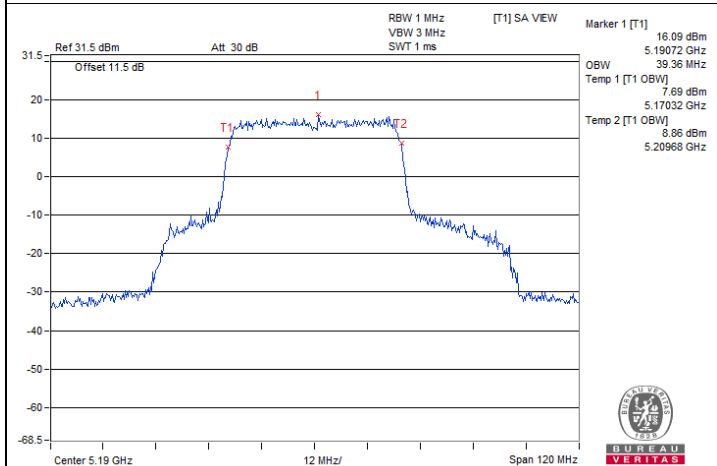
Spectrum Plot of Maximum Value



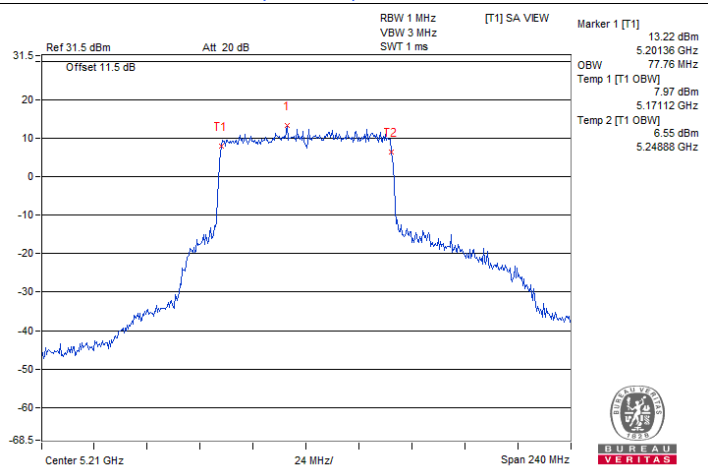
802.11a / Chain 3 : CH 116



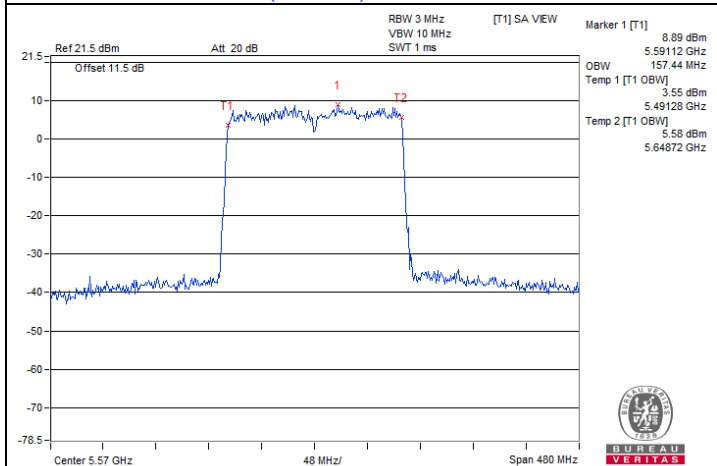
802.11be (EHT20) / Chain 0 : CH 52



802.11be (EHT40) / Chain 0 : CH 38

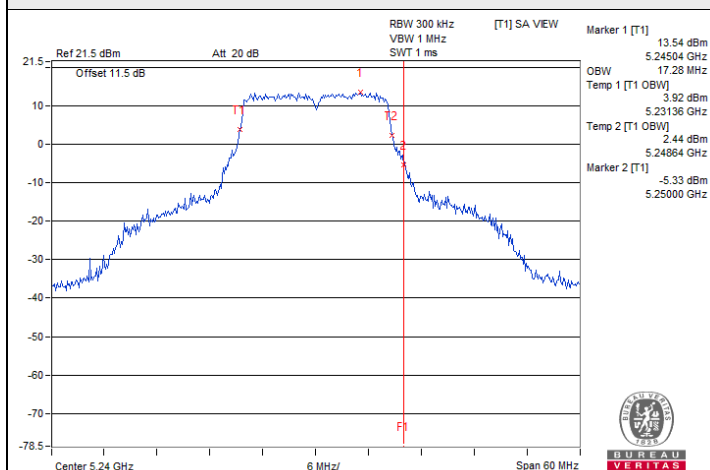


802.11be (EHT80) / Chain 0 : CH 42

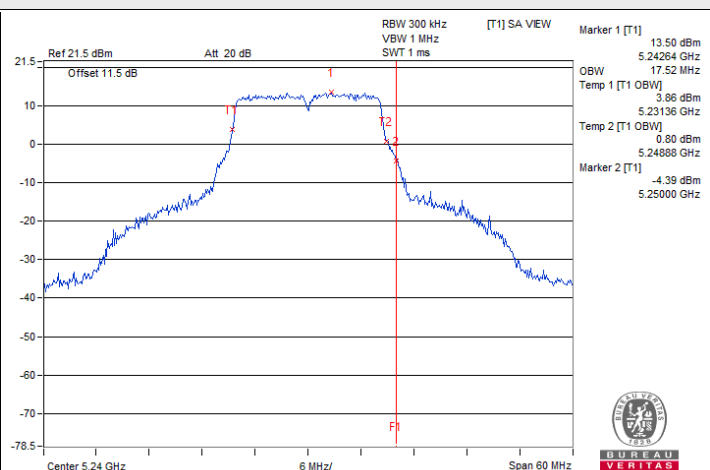


802.11be (EHT160) / Chain 0 : CH 114

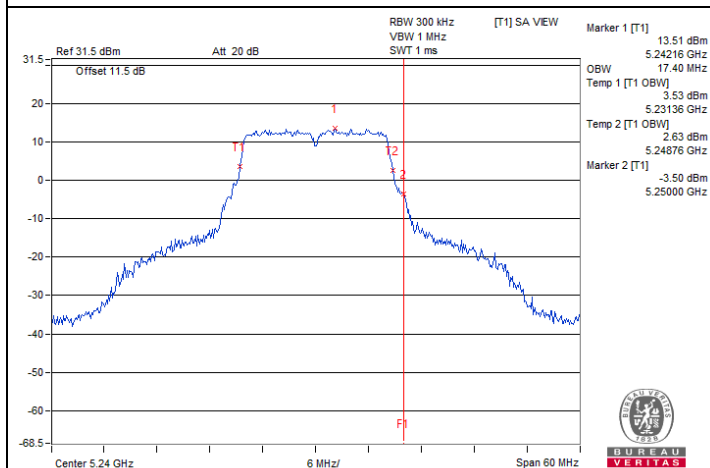
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



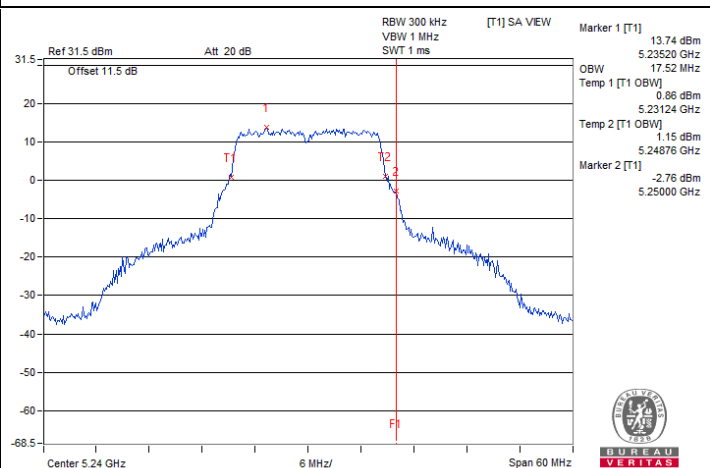
802.11a / Chain 0 : CH 48



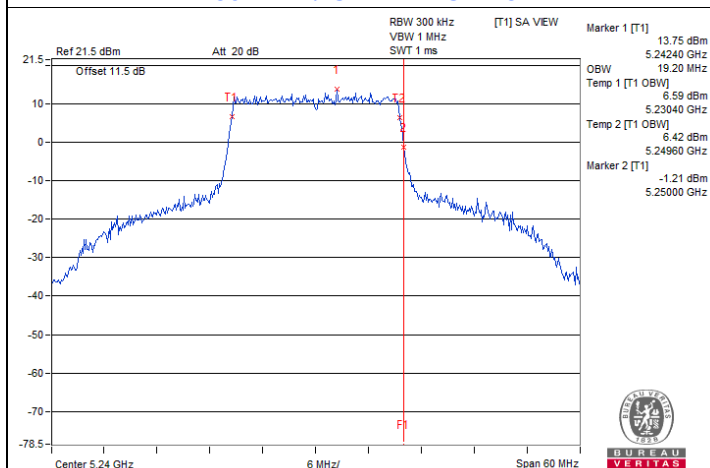
802.11a / Chain 1 : CH 48



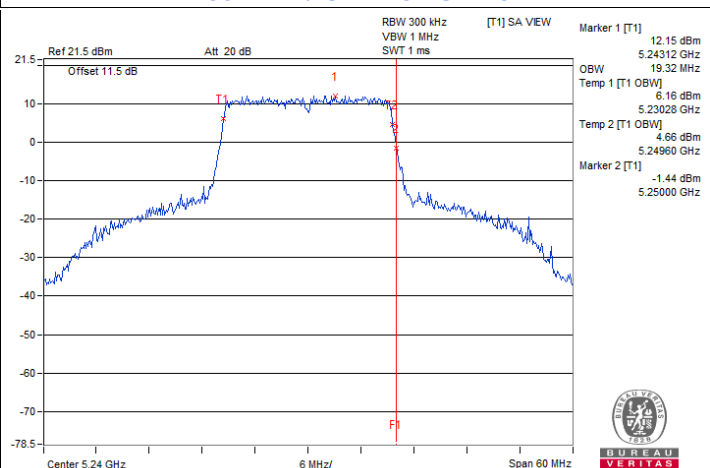
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48

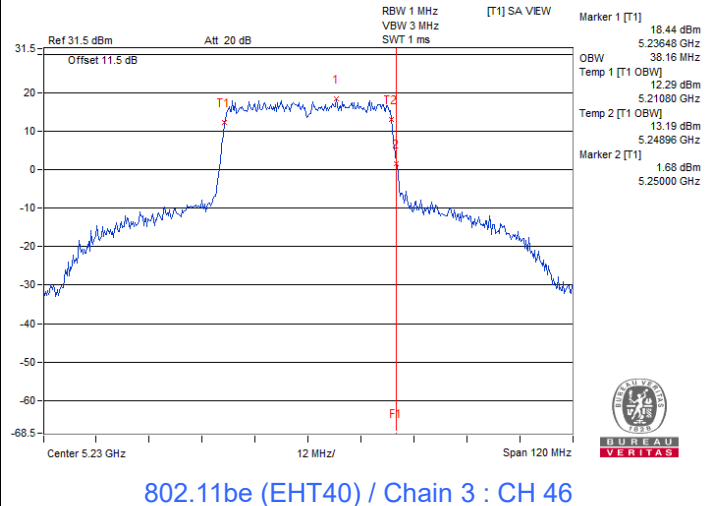
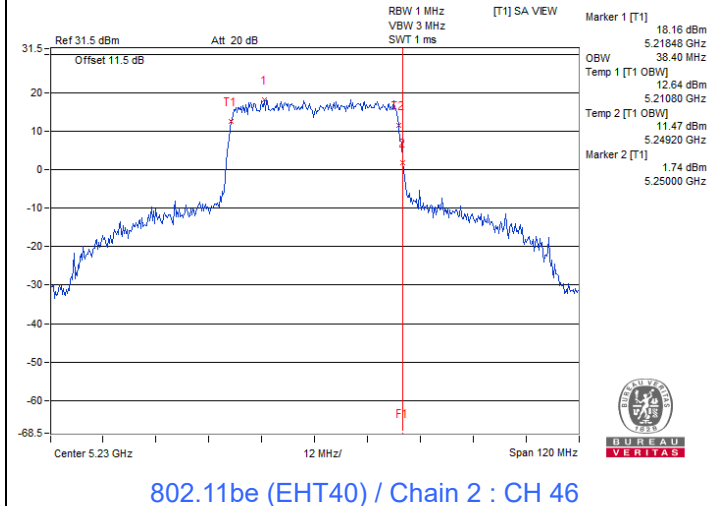
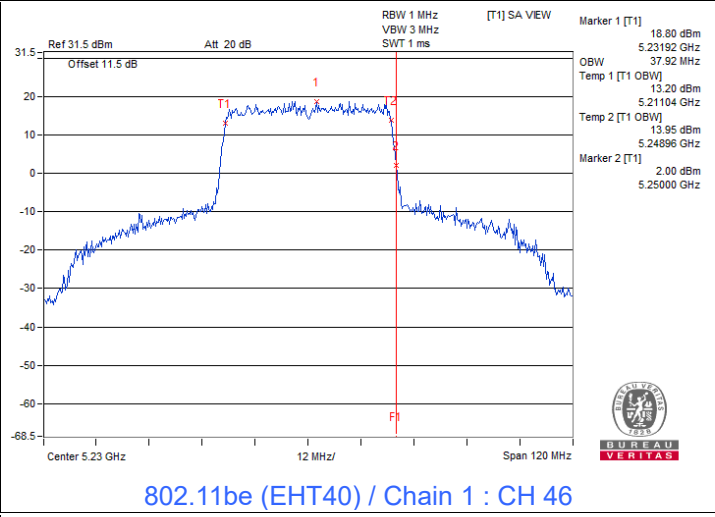
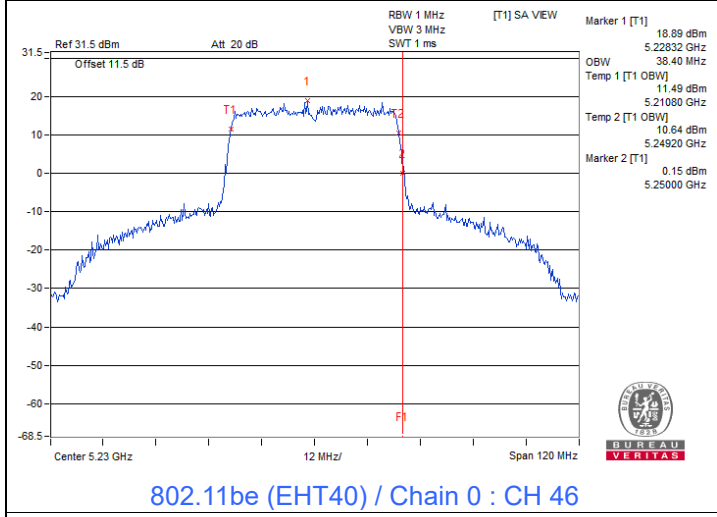
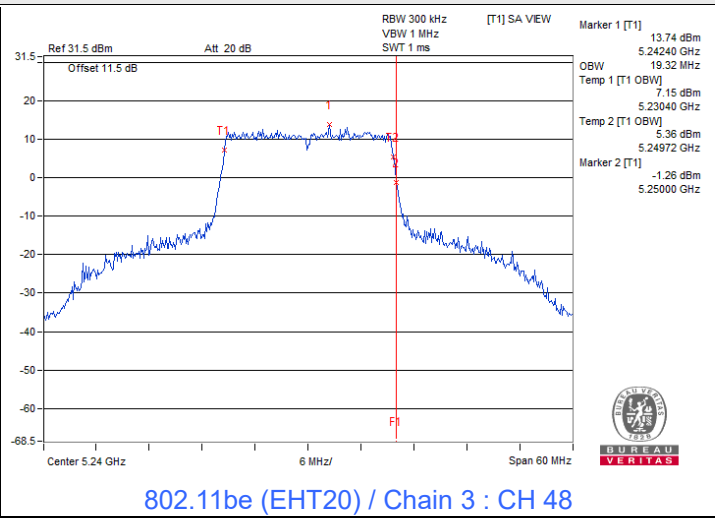
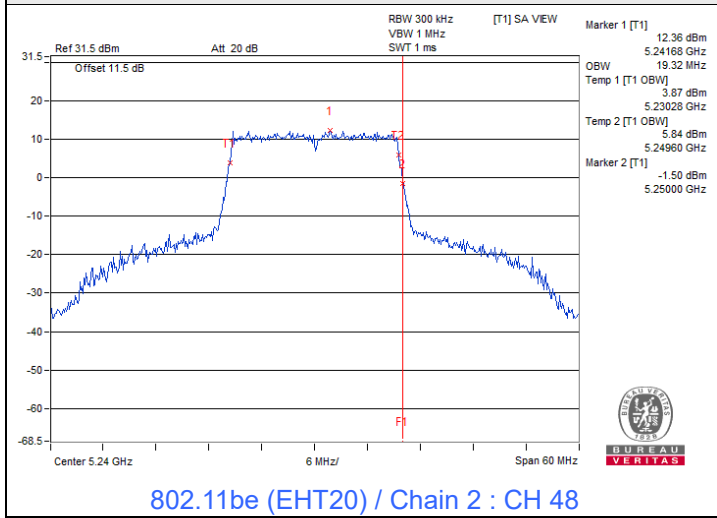


802.11be (EHT20) / Chain 0 : CH 48

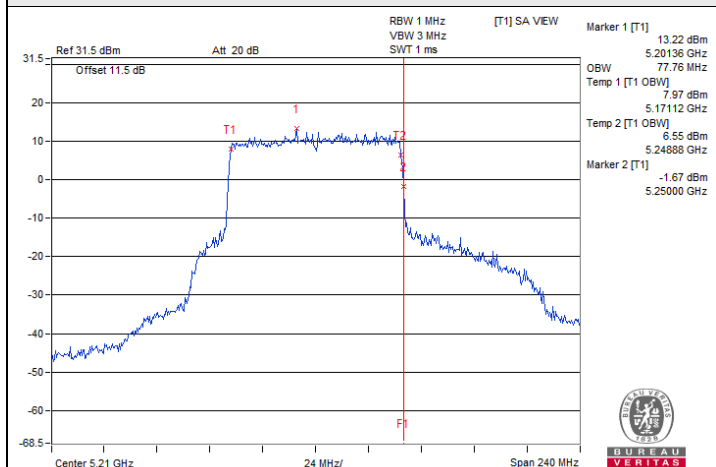


802.11be (EHT20) / Chain 1 : CH 48

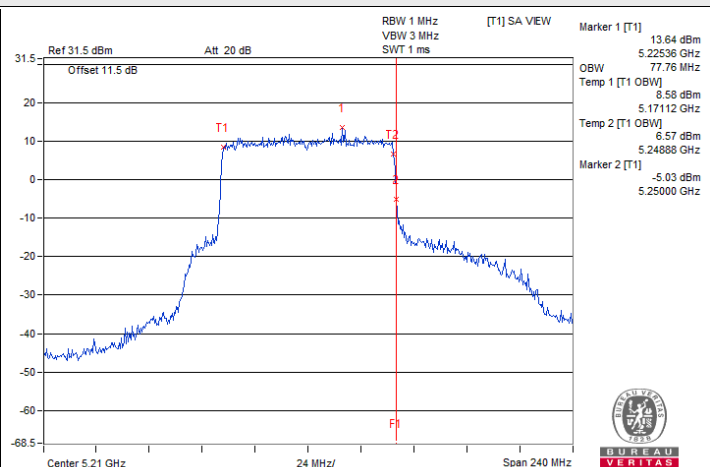
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



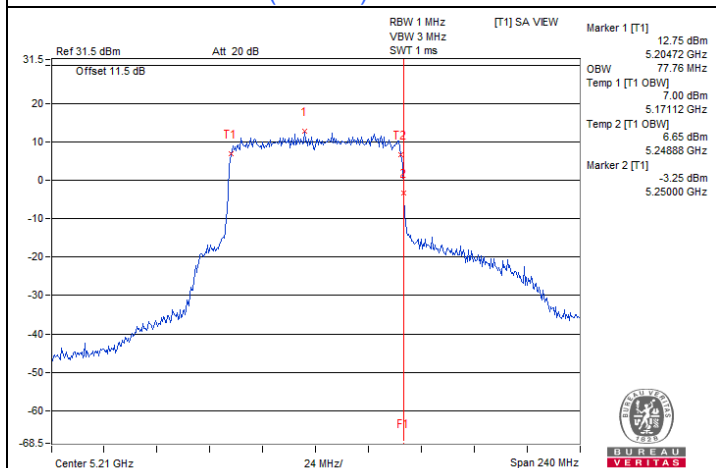
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



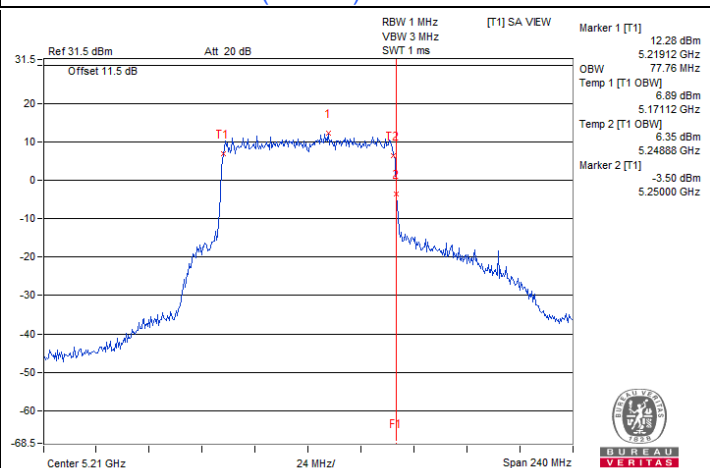
802.11be (EHT80) / Chain 0 : CH 42



802.11be (EHT80) / Chain 1 : CH 42

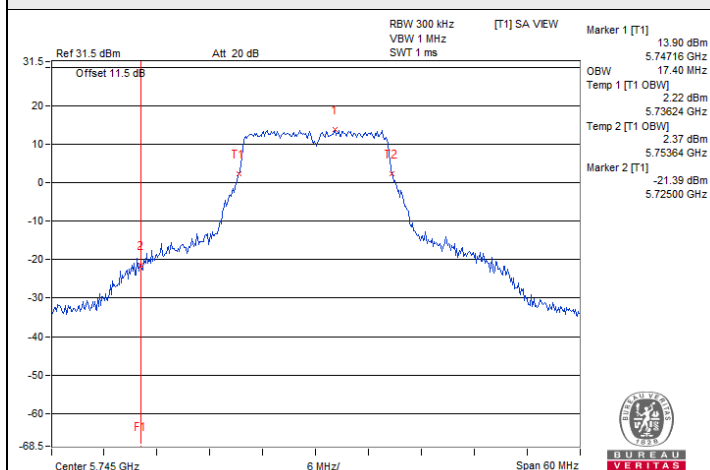


802.11be (EHT80) / Chain 2 : CH 42

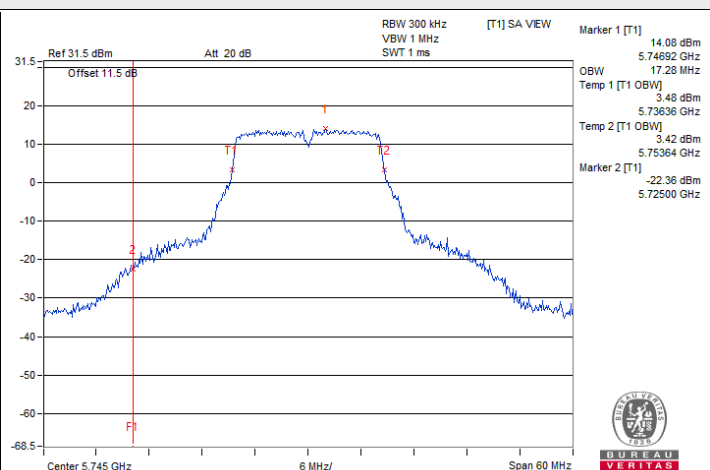


802.11be (EHT80) / Chain 3 : CH 42

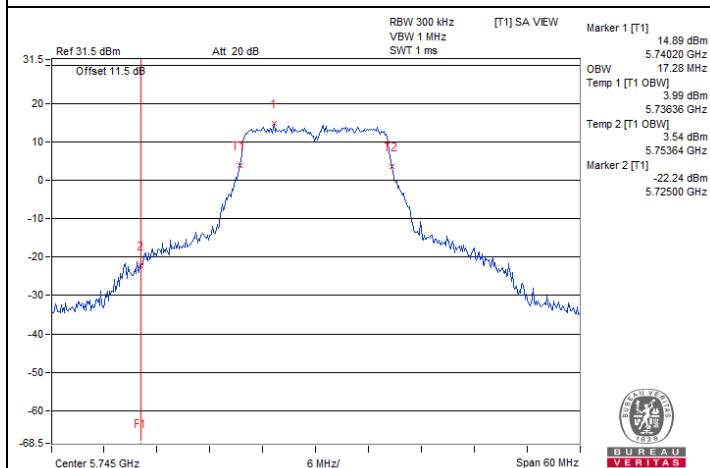
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



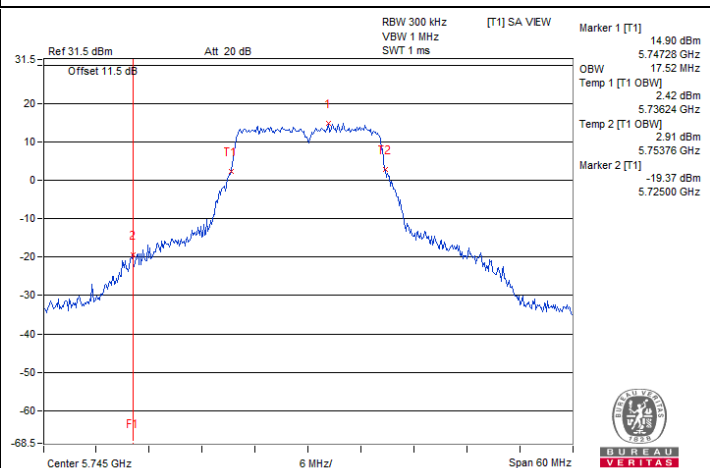
802.11a / Chain 0 : CH 149



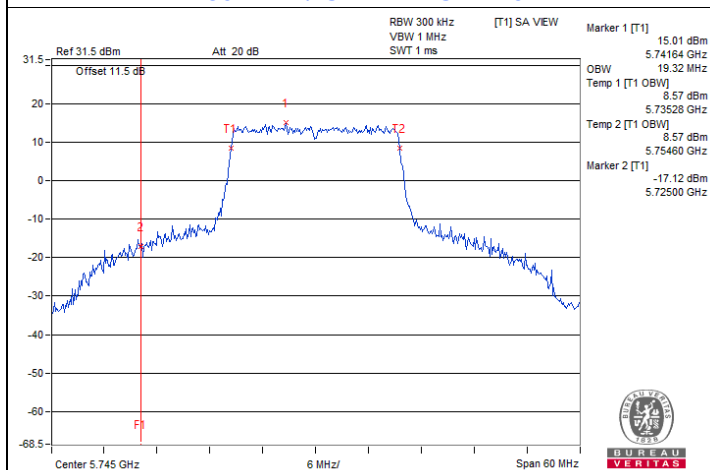
802.11a / Chain 1 : CH 149



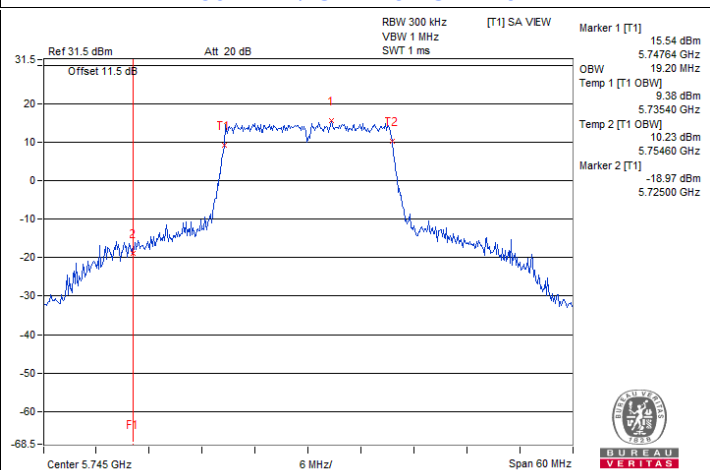
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149

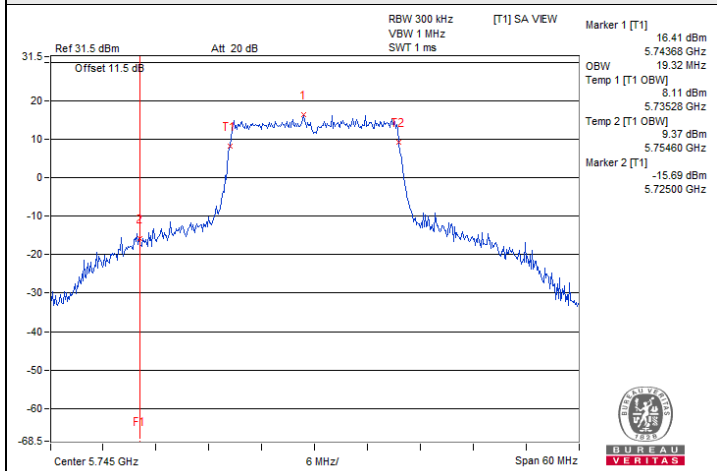


802.11be (EHT20) / Chain 0 : CH 149

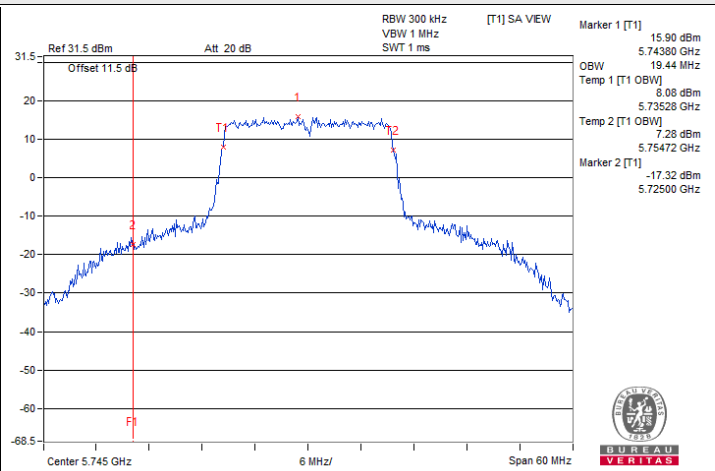


802.11be (EHT20) / Chain 1 : CH 149

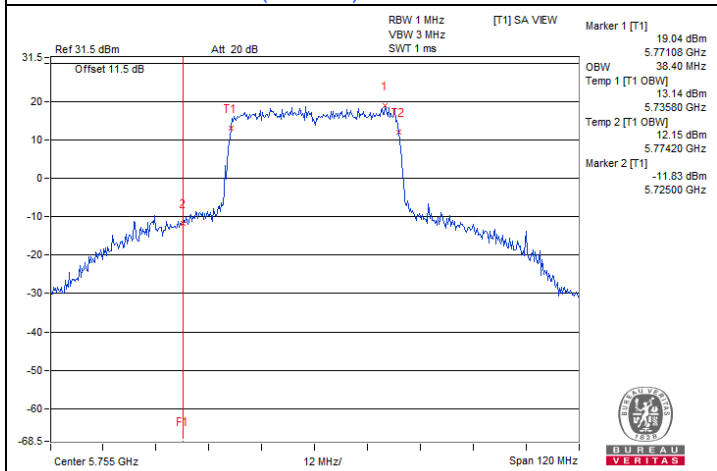
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



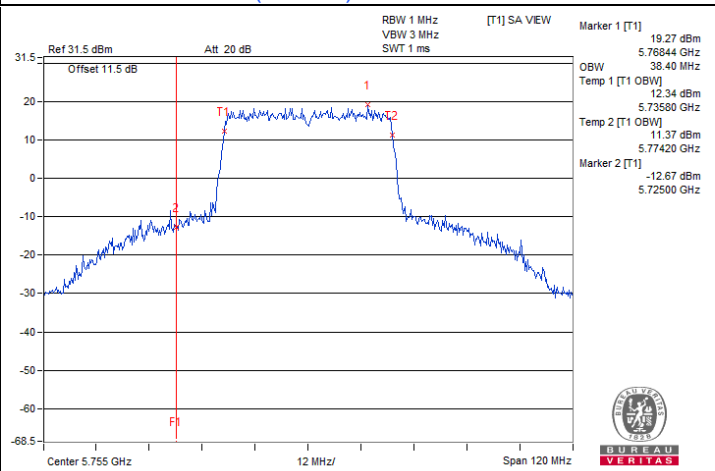
802.11be (EHT20) / Chain 2 : CH 149



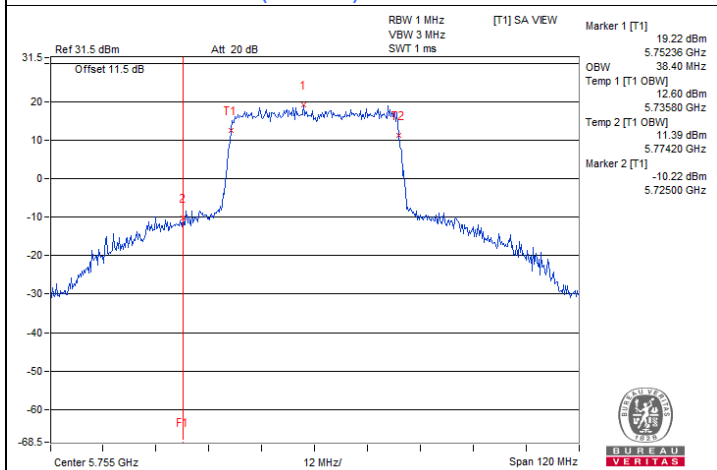
802.11be (EHT20) / Chain 3 : CH 149



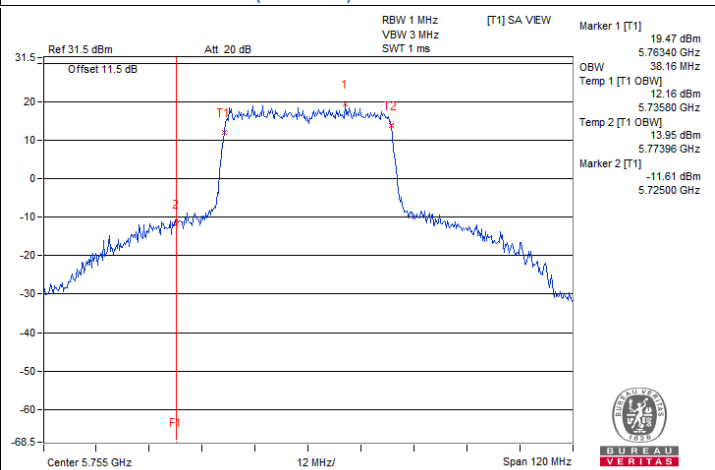
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151

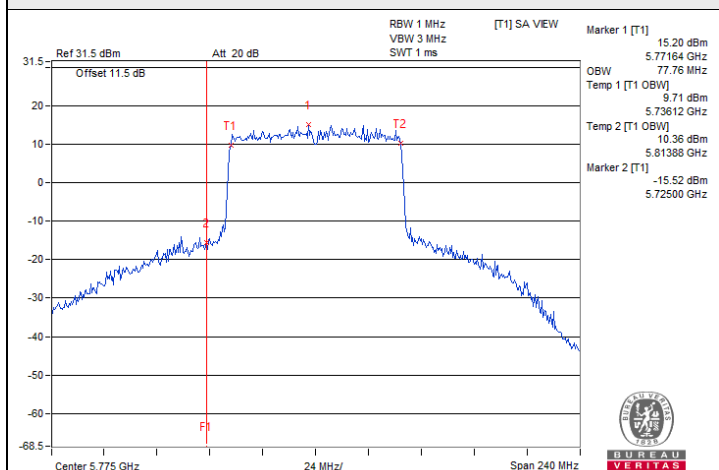


802.11be (EHT40) / Chain 2 : CH 151

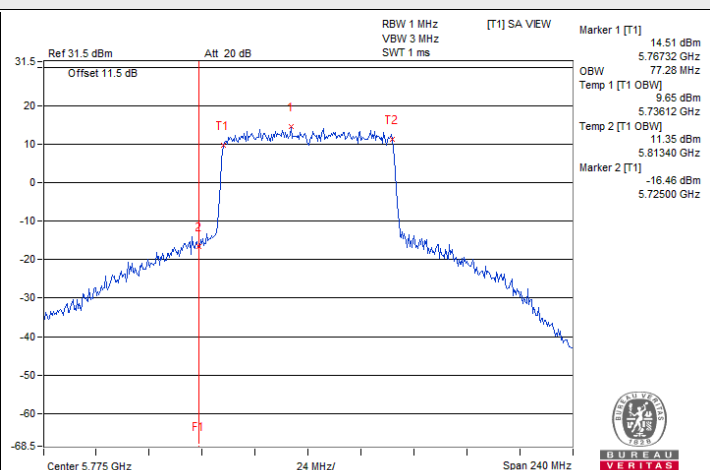


802.11be (EHT40) / Chain 3 : CH 151

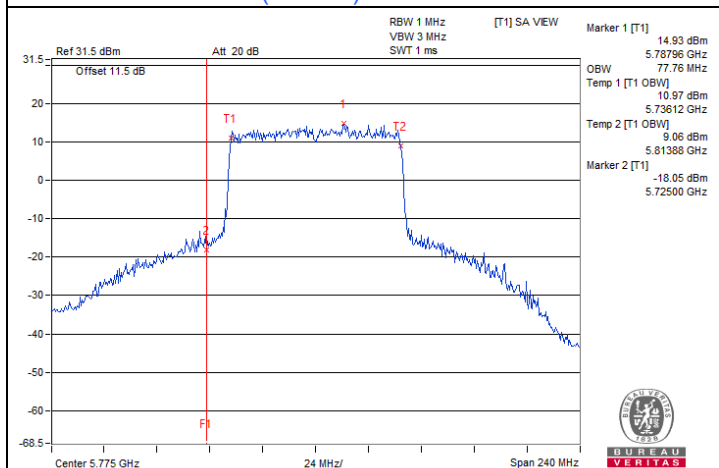
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



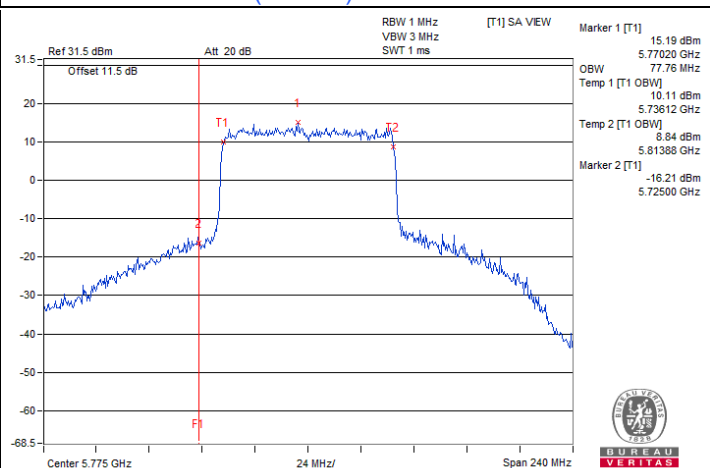
802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155



802.11be (EHT80) / Chain 2 : CH 155



802.11be (EHT80) / Chain 3 : CH 155

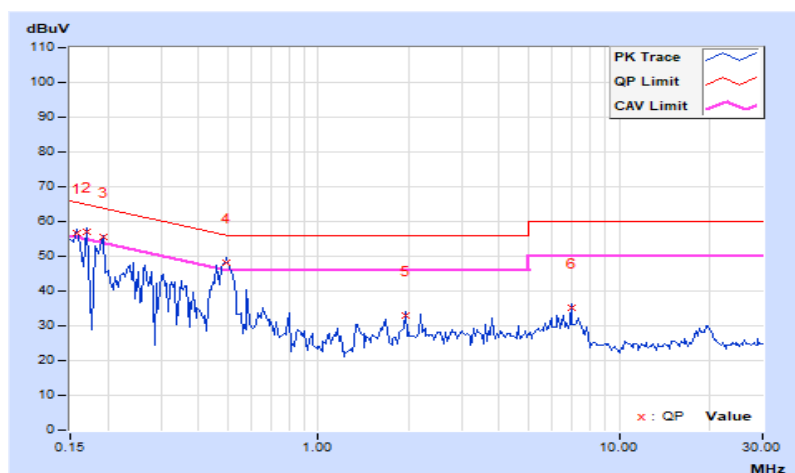
7.6 AC Power Conducted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.64	46.85	30.79	56.49	40.43	65.58	55.58	-9.09	-15.15
2	0.16953	9.64	47.34	32.36	56.98	42.00	64.98	54.98	-8.00	-12.98
3	0.19297	9.63	45.83	33.61	55.46	43.24	63.91	53.91	-8.45	-10.67
4	0.49766	9.64	38.33	32.42	47.97	42.06	56.04	46.04	-8.07	-3.98
5	1.94141	9.69	23.43	16.60	33.12	26.29	56.00	46.00	-22.88	-19.71
6	6.98438	9.94	25.13	17.67	35.07	27.61	60.00	50.00	-24.93	-22.39

Remarks:

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

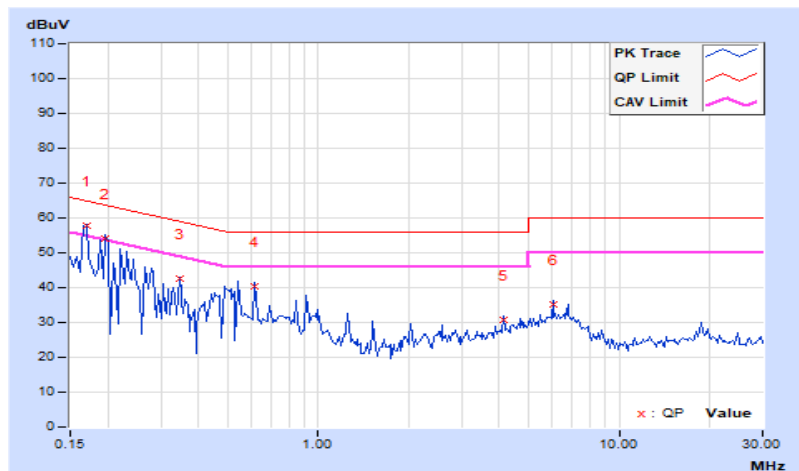


RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	9.62	48.28	32.64	57.90	42.26	64.98	54.98	-7.08	-12.72
2	0.19687	9.61	44.37	31.09	53.98	40.70	63.74	53.74	-9.76	-13.04
3	0.34531	9.61	32.92	17.99	42.53	27.60	59.07	49.07	-16.54	-21.47
4	0.61484	9.63	30.73	19.91	40.36	29.54	56.00	46.00	-15.64	-16.46
5	4.15625	9.79	20.96	13.27	30.75	23.06	56.00	46.00	-25.25	-22.94
6	6.02734	9.88	25.25	17.82	35.13	27.70	60.00	50.00	-24.87	-22.30

Remarks:

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



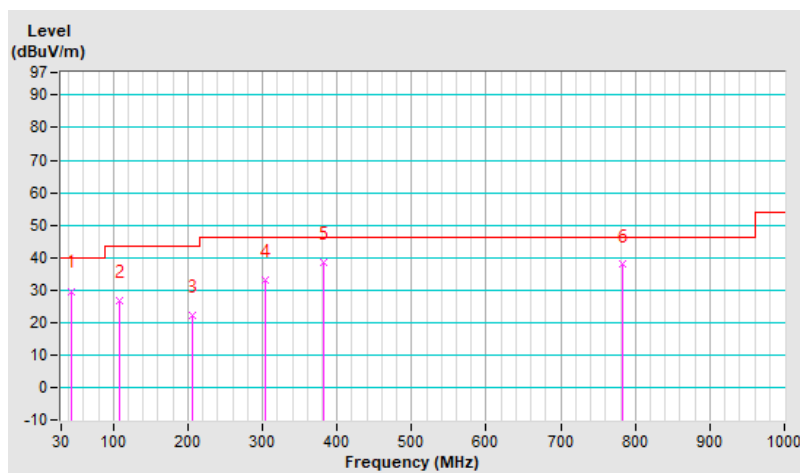
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	44.55	29.7 QP	40.0	-10.3	1.99 H	316	43.0	-13.3
2	108.57	26.8 QP	43.5	-16.7	1.49 H	249	43.0	-16.2
3	206.54	22.2 QP	43.5	-21.3	1.49 H	207	38.5	-16.3
4	304.51	33.0 QP	46.0	-13.0	1.00 H	222	45.2	-12.2
5	381.14	38.4 QP	46.0	-7.6	1.00 H	35	48.7	-10.3
6	783.69	37.8 QP	46.0	-8.2	1.99 H	358	39.9	-2.1

Remarks:

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

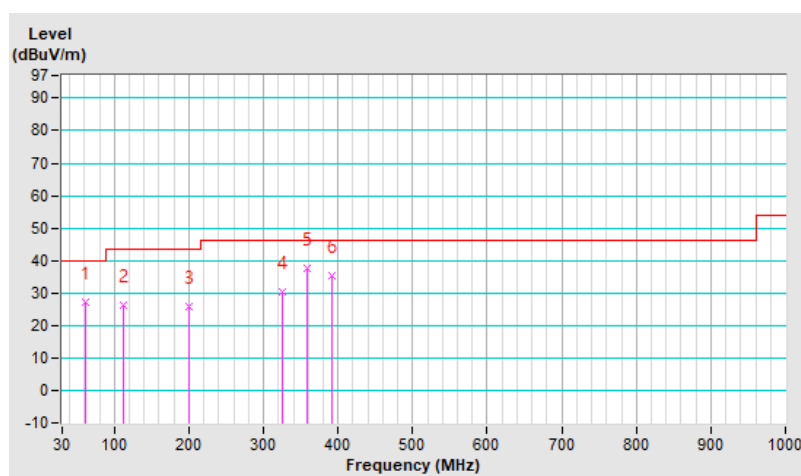


RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	62.01	27.4 QP	40.0	-12.6	1.01 V	217	41.6	-14.2
2	112.45	26.2 QP	43.5	-17.3	1.01 V	308	42.1	-15.9
3	200.72	25.7 QP	43.5	-17.8	1.01 V	18	42.0	-16.3
4	324.88	30.2 QP	46.0	-15.8	2.00 V	252	41.5	-11.3
5	358.83	37.7 QP	46.0	-8.3	1.51 V	67	48.7	-11.0
6	390.84	35.3 QP	46.0	-10.7	2.00 V	246	45.4	-10.1

Remarks:

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



7.8 Unwanted Emissions above 1 GHz

CDD Mode

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.1 PK	74.0	-8.9	3.92 H	329	56.3	8.8
2	5150.00	51.1 AV	54.0	-2.9	3.92 H	329	42.3	8.8
3	*5180.00	115.9 PK			3.92 H	329	107.0	8.9
4	*5180.00	107.6 AV			3.92 H	329	98.7	8.9
5	#10360.00	55.5 PK	68.2	-12.7	3.59 H	322	38.1	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.4 PK	74.0	-5.6	2.33 V	13	59.6	8.8
2	5150.00	53.4 AV	54.0	-0.6	2.33 V	13	44.6	8.8
3	*5180.00	119.6 PK			2.33 V	13	110.7	8.9
4	*5180.00	111.3 AV			2.33 V	13	102.4	8.9
5	#10360.00	56.0 PK	68.2	-12.2	2.08 V	183	38.6	17.4

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	117.7 PK			3.87 H	235	108.7	9.0
2	*5200.00	109.4 AV			3.87 H	235	100.4	9.0
3	#10400.00	56.3 PK	68.2	-11.9	3.54 H	228	38.8	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	121.4 PK			2.28 V	107	112.4	9.0
2	*5200.00	113.1 AV			2.28 V	107	104.1	9.0
3	#10400.00	56.8 PK	68.2	-11.4	2.03 V	278	39.3	17.5

Remarks:

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

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	119.1 PK			3.77 H	327	109.7	9.4
2	*5240.00	110.4 AV			3.77 H	327	101.0	9.4
3	5400.00	62.3 PK	74.0	-11.7	3.77 H	327	52.5	9.8
4	5400.00	50.5 AV	54.0	-3.5	3.77 H	327	40.7	9.8
5	#10480.00	57.0 PK	68.2	-11.2	3.44 H	320	39.5	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	122.5 PK			2.18 V	11	113.1	9.4
2	*5240.00	114.2 AV			2.18 V	11	104.8	9.4
3	5400.00	62.6 PK	74.0	-11.4	2.18 V	11	52.8	9.8
4	5400.00	51.2 AV	54.0	-2.8	2.18 V	11	41.4	9.8
5	#10480.00	57.5 PK	68.2	-10.7	1.93 V	182	40.0	17.5

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	3.91 H	326	50.5	8.8
2	5150.00	47.8 AV	54.0	-6.2	3.91 H	326	39.0	8.8
3	*5260.00	112.9 PK			3.91 H	326	103.4	9.5
4	*5260.00	104.0 AV			3.91 H	326	94.5	9.5
5	#10520.00	55.2 PK	68.2	-13.0	3.60 H	319	37.7	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	2.32 V	10	51.5	8.8
2	5150.00	48.0 AV	54.0	-6.0	2.32 V	10	39.2	8.8
3	*5260.00	116.6 PK			2.32 V	10	107.1	9.5
4	*5260.00	108.2 AV			2.32 V	10	98.7	9.5
5	#10520.00	55.7 PK	68.2	-12.5	2.07 V	186	38.2	17.5

Remarks:

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

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	112.2 PK			3.82 H	234	102.3	9.9
2	*5300.00	103.9 AV			3.82 H	234	94.0	9.9
3	10600.00	55.3 PK	74.0	-18.7	3.49 H	227	37.6	17.7
4	10600.00	42.8 AV	54.0	-11.2	3.49 H	227	25.1	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	115.9 PK			2.23 V	108	106.0	9.9
2	*5300.00	107.6 AV			2.23 V	108	97.7	9.9
3	10600.00	55.8 PK	74.0	-18.2	1.98 V	278	38.1	17.7
4	10600.00	43.3 AV	54.0	-10.7	1.98 V	278	25.6	17.7

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.7 PK			3.80 H	233	102.8	9.9
2	*5320.00	104.5 AV			3.80 H	233	94.6	9.9
3	5350.00	60.9 PK	74.0	-13.1	3.80 H	233	51.1	9.8
4	5350.00	49.1 AV	54.0	-4.9	3.80 H	233	39.3	9.8
5	10640.00	55.6 PK	74.0	-18.4	3.47 H	226	38.0	17.6
6	10640.00	43.1 AV	54.0	-10.9	3.47 H	226	25.5	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.3 PK			2.21 V	109	106.4	9.9
2	*5320.00	108.0 AV			2.21 V	109	98.1	9.9
3	5350.00	61.2 PK	74.0	-12.8	2.21 V	109	51.4	9.8
4	5350.00	49.4 AV	54.0	-4.6	2.21 V	109	39.6	9.8
5	10640.00	56.1 PK	74.0	-17.9	1.96 V	277	38.5	17.6
6	10640.00	43.6 AV	54.0	-10.4	1.96 V	277	26.0	17.6

Remarks:

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

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	3.68 H	135	51.3	10.0
2	5460.00	49.5 AV	54.0	-4.5	3.68 H	135	39.5	10.0
3	#5470.00	61.7 PK	68.2	-6.5	3.68 H	135	51.6	10.1
4	*5500.00	111.8 PK			3.68 H	135	101.3	10.5
5	*5500.00	102.6 AV			3.68 H	135	92.1	10.5
6	11000.00	55.6 PK	74.0	-18.4	3.32 H	128	37.5	18.1
7	11000.00	43.1 AV	54.0	-10.9	3.32 H	128	25.0	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.6 PK	74.0	-12.4	2.33 V	11	51.6	10.0
2	5460.00	49.8 AV	54.0	-4.2	2.33 V	11	39.8	10.0
3	#5470.00	62.0 PK	68.2	-6.2	2.33 V	11	51.9	10.1
4	*5500.00	115.4 PK			2.33 V	11	104.9	10.5
5	*5500.00	107.0 AV			2.33 V	11	96.5	10.5
6	11000.00	56.1 PK	74.0	-17.9	2.08 V	179	38.0	18.1
7	11000.00	43.6 AV	54.0	-10.4	2.08 V	179	25.5	18.1

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.6 PK			3.67 H	215	101.1	10.5
2	*5580.00	102.4 AV			3.67 H	215	91.9	10.5
3	11160.00	56.0 PK	74.0	-18.0	3.33 H	208	37.3	18.7
4	11160.00	43.5 AV	54.0	-10.5	3.33 H	208	24.8	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	115.2 PK			2.32 V	91	104.7	10.5
2	*5580.00	107.1 AV			2.32 V	91	96.6	10.5
3	11160.00	56.5 PK	74.0	-17.5	2.07 V	259	37.8	18.7
4	11160.00	44.0 AV	54.0	-10.0	2.07 V	259	25.3	18.7

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.1 PK			3.61 H	216	102.2	9.9
2	*5700.00	103.0 AV			3.61 H	216	93.1	9.9
3	#5725.00	62.3 PK	68.2	-5.9	3.61 H	216	52.4	9.9
4	11400.00	57.2 PK	74.0	-16.8	3.25 H	209	38.2	19.0
5	11400.00	44.7 AV	54.0	-9.3	3.25 H	209	25.7	19.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.5 PK			2.40 V	92	105.6	9.9
2	*5700.00	106.9 AV			2.40 V	92	97.0	9.9
3	#5725.00	62.8 PK	68.2	-5.4	2.40 V	92	52.9	9.9
4	11400.00	57.7 PK	74.0	-16.3	2.15 V	260	38.7	19.0
5	11400.00	45.2 AV	54.0	-8.8	2.15 V	260	26.2	19.0

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.6 PK	68.2	-7.6	3.89 H	260	50.5	10.1
2	*5720.00	112.0 PK			3.89 H	260	102.1	9.9
3	*5720.00	103.2 AV			3.89 H	260	93.3	9.9
4	11440.00	57.4 PK	74.0	-16.6	3.56 H	253	38.5	18.9
5	11440.00	46.6 AV	54.0	-7.4	3.56 H	253	27.7	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.0 PK	68.2	-7.2	2.30 V	82	50.9	10.1
2	*5720.00	115.5 PK			2.30 V	82	105.6	9.9
3	*5720.00	107.3 AV			2.30 V	82	97.4	9.9
4	11440.00	57.9 PK	74.0	-16.1	2.06 V	56	39.0	18.9
5	11440.00	47.1 AV	54.0	-6.9	2.06 V	56	28.2	18.9

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5604.15	61.3 PK	68.2	-6.9	3.54 H	215	50.9	10.4
2	*5745.00	119.7 PK			3.54 H	215	109.8	9.9
3	*5745.00	110.6 AV			3.54 H	215	100.7	9.9
4	#5930.48	59.8 PK	68.2	-8.4	3.54 H	215	49.7	10.1
5	11490.00	57.6 PK	74.0	-16.4	3.18 H	208	38.8	18.8
6	11490.00	45.1 AV	54.0	-8.9	3.18 H	208	26.3	18.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.20	62.7 PK	68.2	-5.5	2.19 V	91	52.6	10.1
2	*5745.00	123.1 PK			2.19 V	91	113.2	9.9
3	*5745.00	114.9 AV			2.19 V	91	105.0	9.9
4	#5969.90	60.4 PK	68.2	-7.8	2.19 V	91	50.4	10.0
5	11490.00	58.1 PK	74.0	-15.9	1.94 V	259	39.3	18.8
6	11490.00	45.6 AV	54.0	-8.4	1.94 V	259	26.8	18.8

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.75	61.6 PK	68.2	-6.6	3.64 H	214	51.4	10.2
2	*5785.00	119.6 PK			3.64 H	214	109.6	10.0
3	*5785.00	110.5 AV			3.64 H	214	100.5	10.0
4	#6010.75	59.6 PK	68.2	-8.6	3.64 H	214	49.6	10.0
5	11570.00	57.1 PK	74.0	-16.9	3.28 H	207	38.2	18.9
6	11570.00	44.6 AV	54.0	-9.4	3.28 H	207	25.7	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.57	61.3 PK	68.2	-6.9	2.37 V	90	51.1	10.2
2	*5785.00	123.1 PK			2.37 V	90	113.1	10.0
3	*5785.00	114.9 AV			2.37 V	90	104.9	10.0
4	#5969.90	60.2 PK	68.2	-8.0	2.37 V	90	50.2	10.0
5	11570.00	58.1 PK	74.0	-15.9	2.12 V	260	39.2	18.9
6	11570.00	45.6 AV	54.0	-8.4	2.12 V	260	26.7	18.9

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5609.85	60.7 PK	68.2	-7.5	3.57 H	213	50.3	10.4
2	*5825.00	119.1 PK			2.57 H	213	109.2	9.9
3	*5825.00	109.9 AV			2.57 H	213	100.0	9.9
4	#6002.68	60.7 PK	68.2	-7.5	3.57 H	213	50.8	9.9
5	11650.00	57.1 PK	74.0	-16.9	3.21 H	206	38.2	18.9
6	11650.00	44.6 AV	54.0	-9.4	3.21 H	206	25.7	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5566.62	61.9 PK	68.2	-6.3	2.22 V	89	51.5	10.4
2	*5825.00	122.5 PK			2.22 V	89	112.6	9.9
3	*5825.00	114.5 AV			2.22 V	89	104.6	9.9
4	#6001.25	59.9 PK	68.2	-8.3	2.22 V	89	50.0	9.9
5	11650.00	57.6 PK	74.0	-16.4	1.97 V	261	38.7	18.9
6	11650.00	45.1 AV	54.0	-8.9	1.97 V	261	26.2	18.9

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.7 PK	74.0	-10.3	3.91 H	330	54.9	8.8
2	5150.00	51.3 AV	54.0	-2.7	3.91 H	330	42.5	8.8
3	*5180.00	116.8 PK			3.91 H	330	107.9	8.9
4	*5180.00	105.2 AV			3.91 H	330	96.3	8.9
5	#10360.00	56.1 PK	68.2	-12.1	3.60 H	321	38.7	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.7 PK	74.0	-8.3	2.33 V	12	56.9	8.8
2	5150.00	53.5 AV	54.0	-0.5	2.33 V	12	44.7	8.8
3	*5180.00	120.2 PK			2.33 V	12	111.3	8.9
4	*5180.00	109.3 AV			2.33 V	12	100.4	8.9
5	#10360.00	56.6 PK	68.2	-11.6	2.07 V	183	39.2	17.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.5 PK	74.0	-7.5	3.78 H	328	57.7	8.8
2	5150.00	51.8 AV	54.0	-2.2	3.78 H	328	43.0	8.8
3	*5200.00	119.8 PK			3.78 H	328	110.8	9.0
4	*5200.00	108.5 AV			3.78 H	328	99.5	9.0
5	#10400.00	56.2 PK	68.2	-12.0	3.45 H	323	38.7	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.9 PK	74.0	-6.1	2.47 V	12	59.1	8.8
2	5150.00	53.4 AV	54.0	-0.6	2.47 V	12	44.6	8.8
3	*5200.00	123.3 PK			2.47 V	12	114.3	9.0
4	*5200.00	112.3 AV			2.47 V	12	103.3	9.0
5	#10400.00	56.7 PK	68.2	-11.5	2.22 V	184	39.2	17.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	123.9 PK			3.78 H	328	114.5	9.4
2	*5240.00	112.5 AV			3.78 H	328	103.1	9.4
3	5395.00	62.1 PK	74.0	-11.9	3.78 H	328	52.3	9.8
4	5395.00	50.3 AV	54.0	-3.7	3.78 H	328	40.5	9.8
5	#10480.00	56.8 PK	68.2	-11.4	3.45 H	323	39.3	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	127.3 PK			2.47 V	12	117.9	9.4
2	*5240.00	116.4 AV			2.47 V	12	107.0	9.4
3	5395.00	64.3 PK	74.0	-9.7	2.47 V	12	54.5	9.8
4	5395.00	53.4 AV	54.0	-0.6	2.47 V	12	43.6	9.8
5	#10480.00	57.3 PK	68.2	-10.9	2.23 V	183	39.8	17.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	3.59 H	132	50.8	8.8
2	5150.00	47.8 AV	54.0	-6.2	3.59 H	132	39.0	8.8
3	*5260.00	115.0 PK			3.59 H	132	105.5	9.5
4	*5260.00	104.1 AV			3.59 H	132	94.6	9.5
5	#10520.00	56.2 PK	68.2	-12.0	3.23 H	125	38.7	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	2.36 V	9	51.2	8.8
2	5150.00	48.1 AV	54.0	-5.9	2.36 V	9	39.3	8.8
3	*5260.00	118.5 PK			2.36 V	9	109.0	9.5
4	*5260.00	107.3 AV			2.36 V	9	97.8	9.5
5	#10520.00	56.7 PK	68.2	-11.5	2.11 V	178	39.2	17.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	114.2 PK			3.41 H	137	104.3	9.9
2	*5300.00	101.8 AV			3.41 H	137	91.9	9.9
3	10600.00	55.5 PK	74.0	-18.5	3.05 H	120	37.8	17.7
4	10600.00	42.5 AV	54.0	-11.5	3.05 H	120	24.8	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.8 PK			2.48 V	13	107.9	9.9
2	*5300.00	106.2 AV			2.48 V	13	96.3	9.9
3	10600.00	56.0 PK	74.0	-18.0	2.23 V	171	38.3	17.7
4	10600.00	43.5 AV	54.0	-10.5	2.23 V	171	25.8	17.7

Remarks:

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