

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBEIH-WTW-P24090570-4
FCC ID: P27XB10
Product: Comcast Xfinity DOCSIS 4.0 gateway with Wi-Fi 7
Brand: Comcast Xfinity
Model No.: XB10
Series Model: SG417DBCT
Received Date: 2024/10/9
Test Date: 2024/11/8 ~ 2025/1/20
Issued Date: 2025/2/18
Applicant: Sercomm Corporation
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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Test Location(2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan
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:

2025/2/18

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Prepared by : Annie Chang / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBEIH-WTW-P24090570-4	Original release.	2025/2/18

1 Certificate

Product: Comcast Xfinity DOCSIS 4.0 gateway with Wi-Fi 7

Brand: Comcast Xfinity

Test Model: XB10

Series Model: SG417DBCT

Sample Status: Engineering sample

Applicant: Sercomm Corporation

Test Date: 2024/11/8 ~ 2025/1/20

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

Measurement procedure: ANSI C63.10-2013
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 -6.26 dB at 0.15781 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -7.0 dB at 473.33 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 -0.1 dB at 5150.00, 5350.00 and 5460.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is U.FL 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
	18 GHz ~ 40 GHz	1.77 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Comcast Xfinity DOCSIS 4.0 gateway with Wi-Fi 7
Brand	Comcast Xfinity
Test Model	XB10
Series Model	SG417DBCT
Model Difference	Marketing Differentiation
Status of EUT	Engineering sample
Power Supply Rating	15Vdc from Adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 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, 5.26 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 (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2
Output Power	CDD Mode: 5.18 GHz ~ 5.25 GHz : 990.271 mW (29.96 dBm) 5.26 GHz ~ 5.32 GHz : 247.929 mW (23.94 dBm) 5.5 GHz ~ 5.72 GHz : 249.368 mW (23.97 dBm) 5.745 GHz ~ 5.825 GHz : 988.626 mW (29.95 dBm) Beamforming Mode: 5.18 GHz ~ 5.25 GHz : 965.46 mW (29.85 dBm) 5.26 GHz ~ 5.32 GHz : 245.92 mW (23.91 dBm) 5.5 GHz ~ 5.72 GHz : 247.152 mW (23.93 dBm) 5.745 GHz ~ 5.825 GHz : 966.084 mW (29.85 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter 1	NETBIT ELECTRONICS LTD	NBC80B150533VU	AC I/P: 120V, 60Hz, 1.8A DC O/P: 15.0V, 5.33A AC 2-Pin, Non-shielded DC cable (1.8m)
AC Adapter 2	LEADER ELECTRONICS INC	ML80-1150533-A1	AC I/P: 120V, 60Hz, 2.0A DC O/P: 15.0V, 5.33A AC 2-Pin, Non-shielded DC cable (1.8m)
AC Adapter 3	Delta	ADH-80AW BA	AC I/P: 120V, 60Hz, 1.6A DC O/P: 15.0V, 5.33A AC 2-Pin, Non-shielded DC cable (1.8m)

2. There are Bluetooth, Zigbee and WLAN (2.4 GHz & 5 GHz & 6 GHz) 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 refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

No.	Technology	Ant. Type	Connector	Model
1	WLAN	Dipole	U.FL	N06CTANG-PK1-LB1X80BU Rev F
2				N06CTANH-PK1-LP1X135BU Rev G
3				N06CTANE-PK1-LG1X180BU Rev G
4				N06CTANF-PK1-LW1X125BU Rev F
5				N03CTAND-PK1-Y1X205BU Rev E
6				N03CTANR-PK1-B1X150BU Rev A
7				N03CTANS-PK1-A1X240BU Rev B
8				N03CTANA-PK1-R1X215BU Rev E
9	Zigbee	Dipole	U.FL	N01CTANJ-PK1-B1X230BU Rev F
10				N01CTANK-PK1-Q1X245BU Rev G
11	Bluetooth	Dipole	ipex	-

Frequency Range (GHz)	Antenna gain (dBi)										
	Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7	Ant 8	Ant 9	Ant 10	Ant 11
2.4~2.4835					4.8	4.8	5.1	4.6	4.7	4.7	3.44
5.15~5.85					5	5	4.9	5			
5.925~7.125	5.2	5	5.3	4.9							

Frequency Range (GHz)	Antenna Directional Gain (dBi)
2.4~2.4835	6.43
5.15~5.85	5.43

* 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 AC Adapter 1(NETBIT ELECTRONICS LTD)/ AC Adapter 2(LEADER ELECTRONICS INC)/ AC Adapter 3(Delta) modes of power supply. Pre-scan these modes and find the worst case as a representative test condition.
Worst Case:	1. AC Adapter 3(Delta) is the worst case as a representative test condition.

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
	802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
	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	802.11a	CDD	40	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	802.11a	CDD	40	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (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

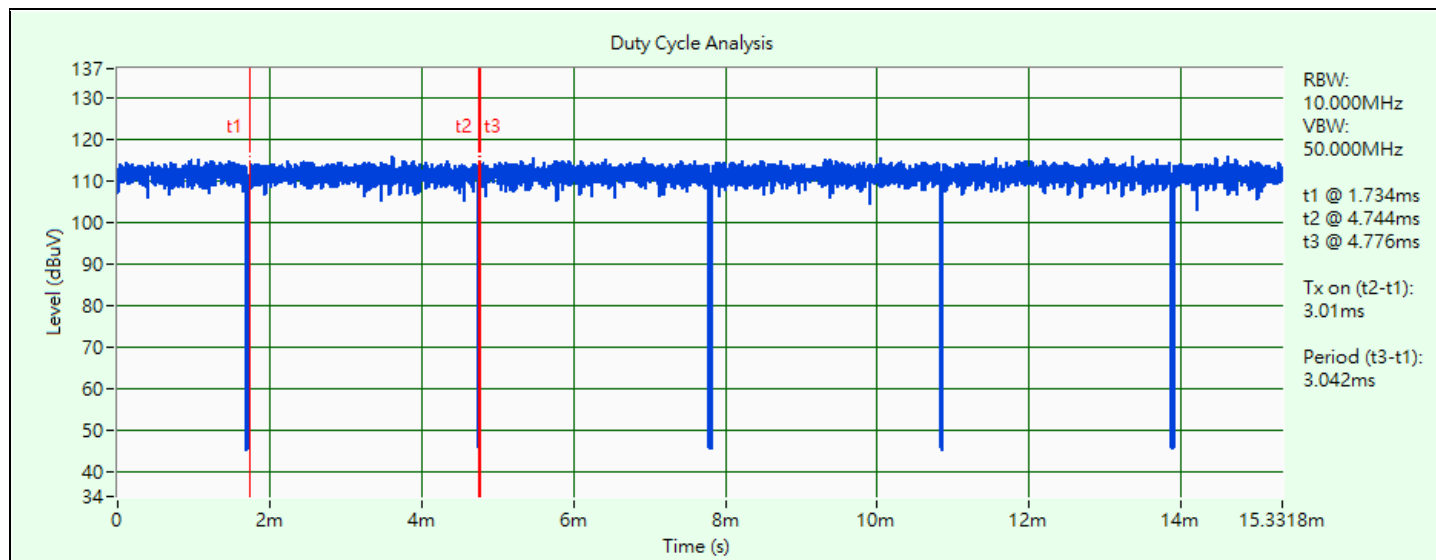
802.11a: Duty cycle = $3.01 \text{ ms} / 3.042 \text{ ms} \times 100\% = 98.9\%$

802.11be (EHT20): Duty cycle = $2.867 \text{ ms} / 2.9 \text{ ms} \times 100\% = 98.9\%$

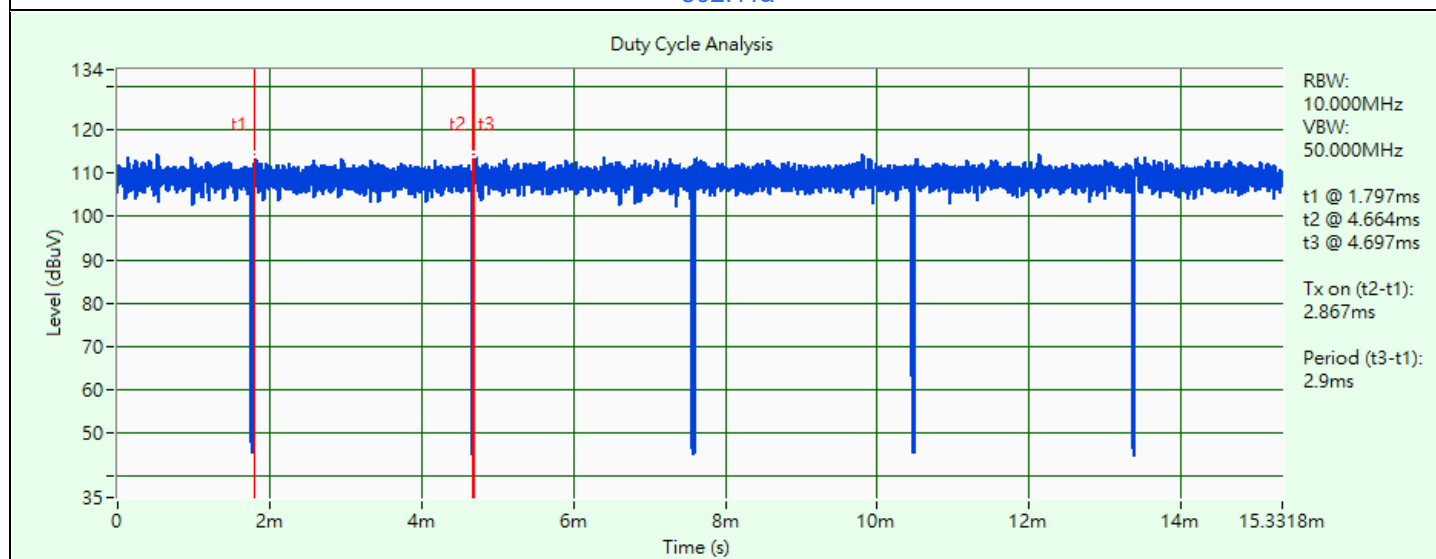
802.11be (EHT40): Duty cycle = $2.849 \text{ ms} / 2.881 \text{ ms} \times 100\% = 98.9\%$

802.11be (EHT80): Duty cycle = $2.843 \text{ ms} / 2.875 \text{ ms} \times 100\% = 98.9\%$

802.11be (EHT160): Duty cycle = $2.845 \text{ ms} / 2.875 \text{ ms} \times 100\% = 99.0\%$

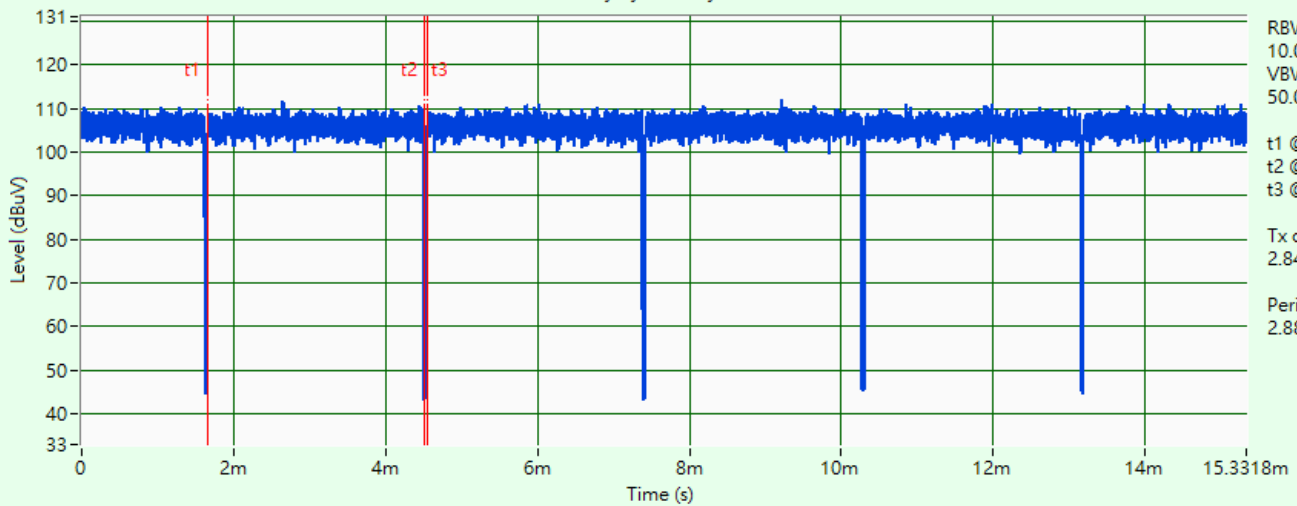


802.11a



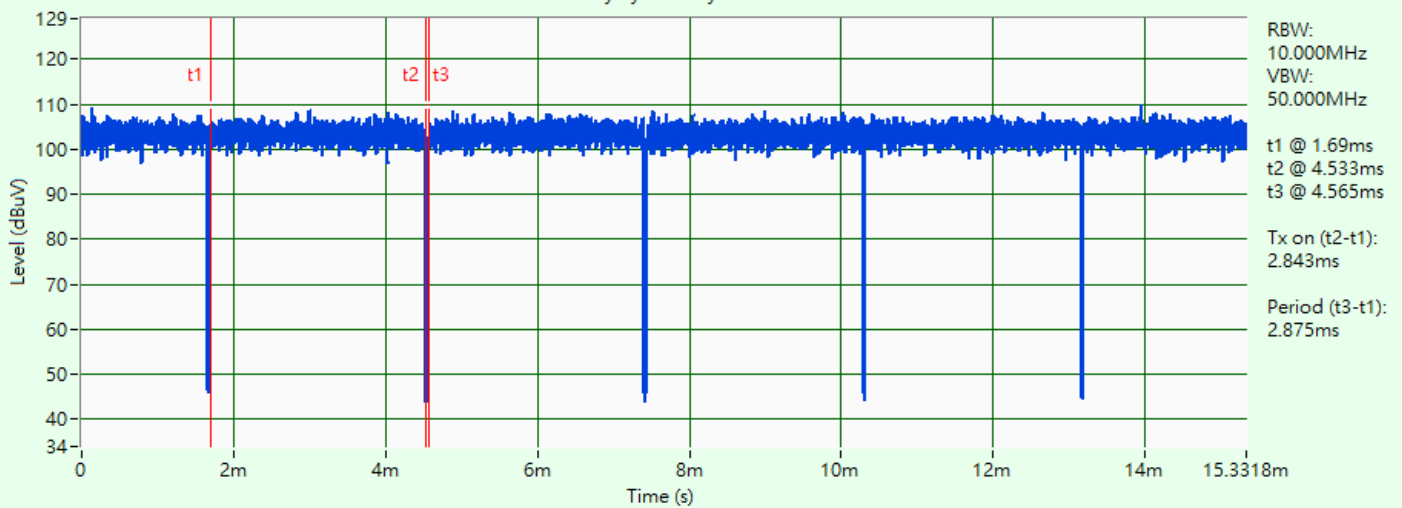
802.11be (EHT20)

Duty Cycle Analysis



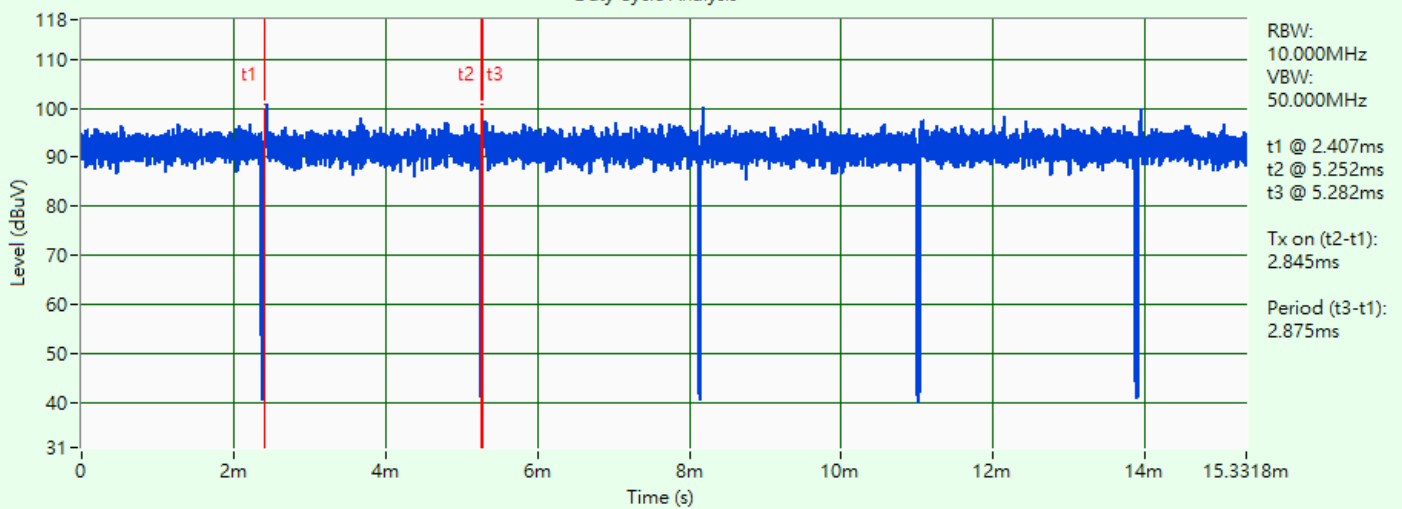
802.11be (EHT40)

Duty Cycle Analysis



802.11be (EHT80)

Duty Cycle Analysis

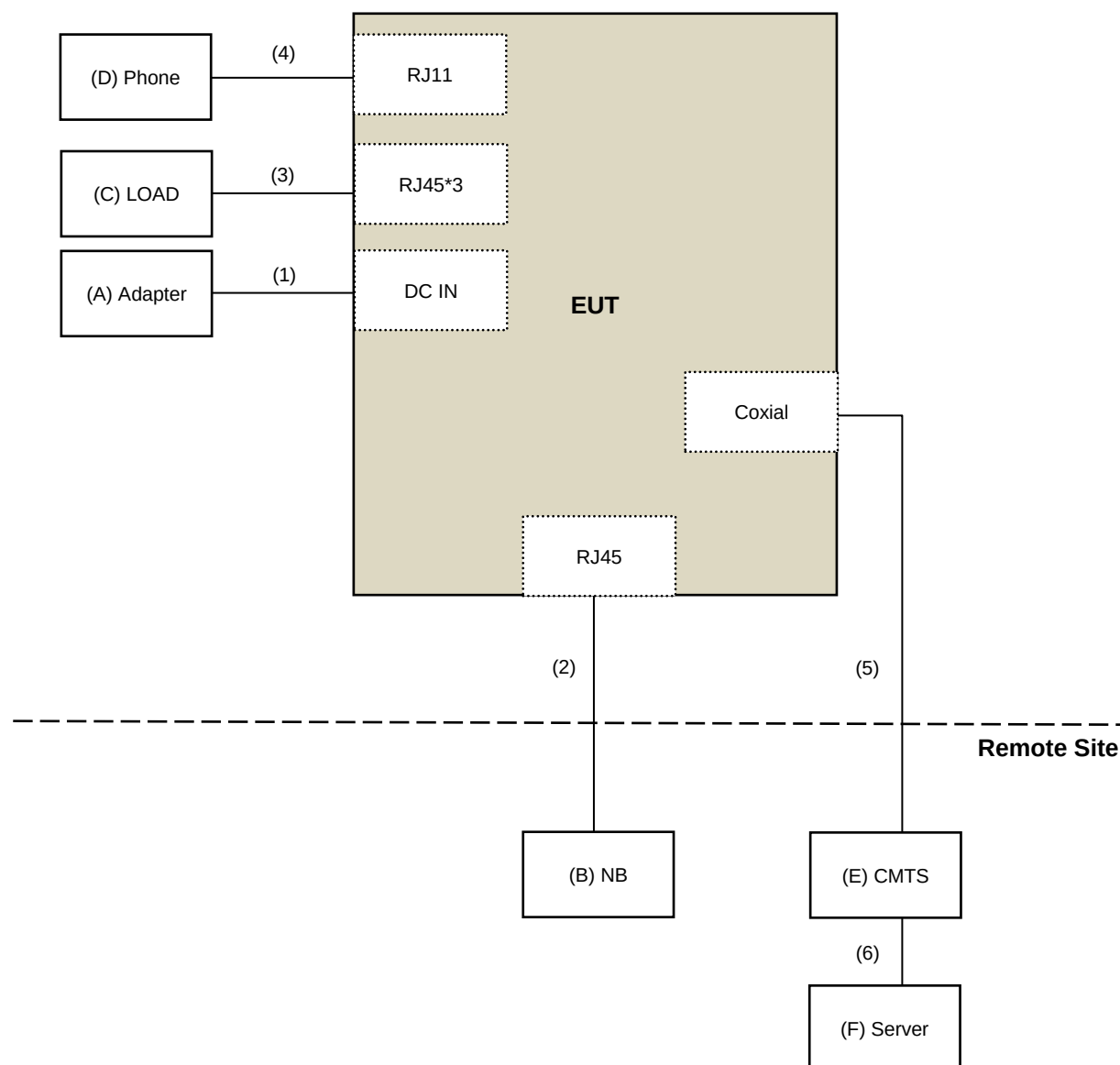


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software (accessMTool 3.3.0.9) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	Delta	ADH-80AW BA	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
E	CMTS	Harmonic	D4.0 CMTS System	N/A	N/A	Supplied by applicant
F	Server	Harmonic	D4.0 CMTS System	N/A	N/A	Supplied by applicant

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	3	1.5	N	0	Provided by Lab
4	Telecom	1	2.17	N	0	Provided by Lab
5	Coaxial	1	10	Y	0	Provided by Lab
6	Coaxial	1	15	Y	0	Supplied by applicant

4 Test Instruments

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

4.1 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: 2025/1/20

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: 2025/1/20

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
* Isolation Transformer Erika Fiedler	D-65396	46	2023/4/20	2025/4/19
50 ohm terminal resistance LYNICS	0900510	E1-011484	2024/8/12	2025/8/11
50 ohm terminal resistance SUHNER	65BNC-5001	E1-010773	2024/3/13	2025/3/12
EMI Test Receiver R&S	ESCI	100412	2024/9/3	2025/9/2
Fixed Attenuator STI	STI02-2200-10	NO.1	2024/9/12	2025/9/11
Isolation Transformer Erika Fiedler	D-65396	017	2024/9/18	2025/9/17
LISN R&S	ENV216	100024	2024/9/6	2025/9/5
		101196	2024/5/22	2025/5/21
		101197	2024/7/11	2025/7/10
LISN Schwarzbeck	NNLK 8121	8121-731	2024/6/12	2025/6/11
		8121-808	2024/4/26	2025/4/25
	NNLK 8129	8129229	2024/10/14	2025/10/13
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
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Notes:

- * The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA
- The test was performed in Linkou Conduction 10.
- Tested Date: 2024/11/8

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	2024/1/15	2025/1/14
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201248	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-3000	201249	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-9000	201251(with PAD)	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: 2025/1/10

4.8 Unwanted Emissions above 1 GHz

CDD Mode and Plot of Band Edge_CDD

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	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
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: 2024/11/27 ~ 2024/12/5

Beamforming Mode and Plot of Band Edge_Beamforming

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
Horn Antenna RFSPIN	DRH18-E	210103A18E	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2024/11/10	2025/11/9
MXE EMI Receiver Keysight	N9038B	MY60180019	2024/1/18	2025/1/17
Preamplifier EMCI	EMC118A45SE	980808	2023/12/28	2024/12/27
	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	210102	2024/1/15	2025/1/14
	EMC104-SM-SM-3000	201231	2024/1/15	2025/1/14
	EMC104-SM-SM-9000	201243	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	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2024/11/18 ~ 2024/11/29

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: 10 (dBm/MHz) ^{*2} PK: 15.6 (dBm/MHz) ^{*3} PK: 27 (dBm/MHz) ^{*4}	PK: 68.2 (dBμV/m) ^{*1} PK: 105.2 (dBμV/m) ^{*2} PK: 110.8 (dBμV/m) ^{*3} 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.		

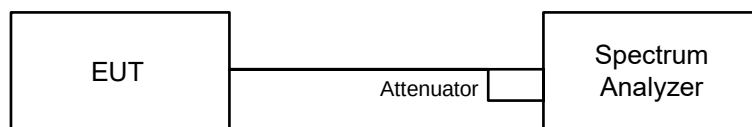
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

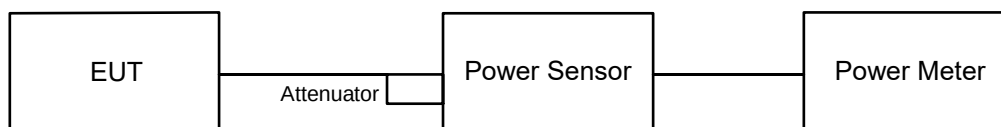


6.1.2 Test Procedure

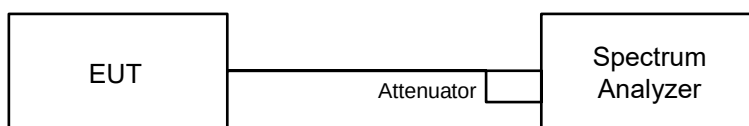
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

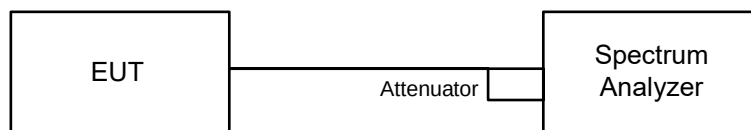
Method SA-1

- 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

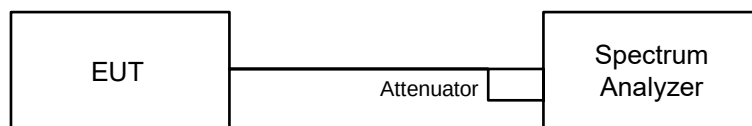
For specified measurement bandwidth 500 kHz:

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

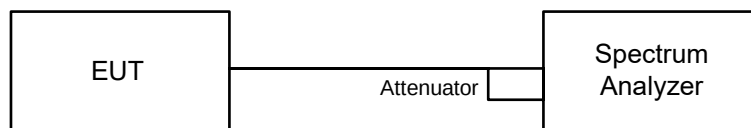


6.4.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$, 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

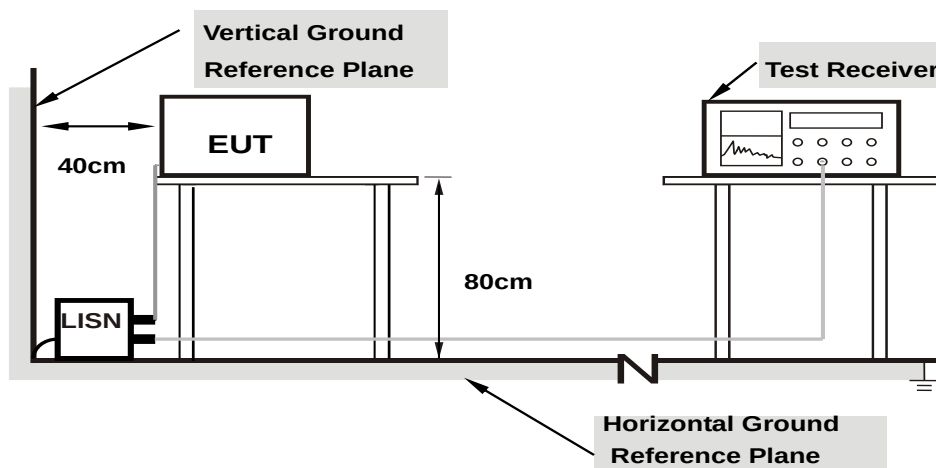


6.5.2 Test Procedure

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

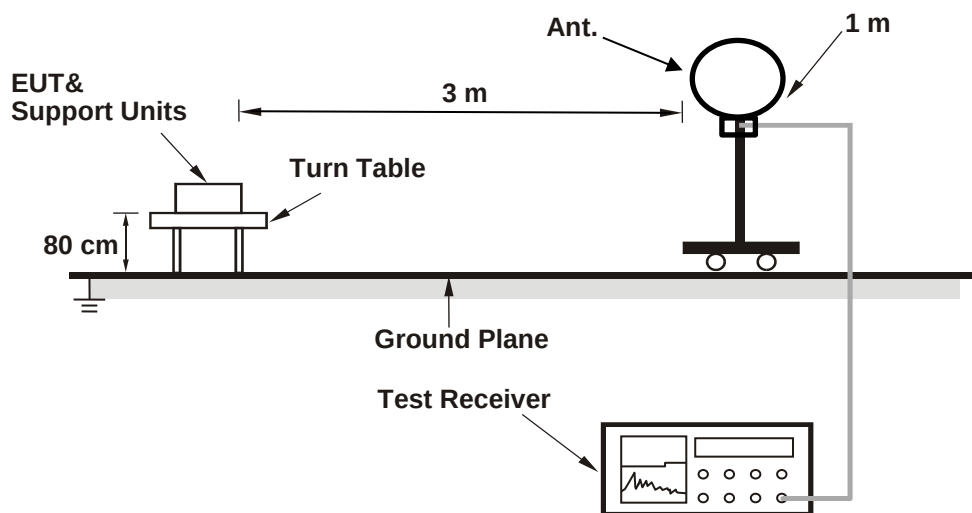
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The 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.

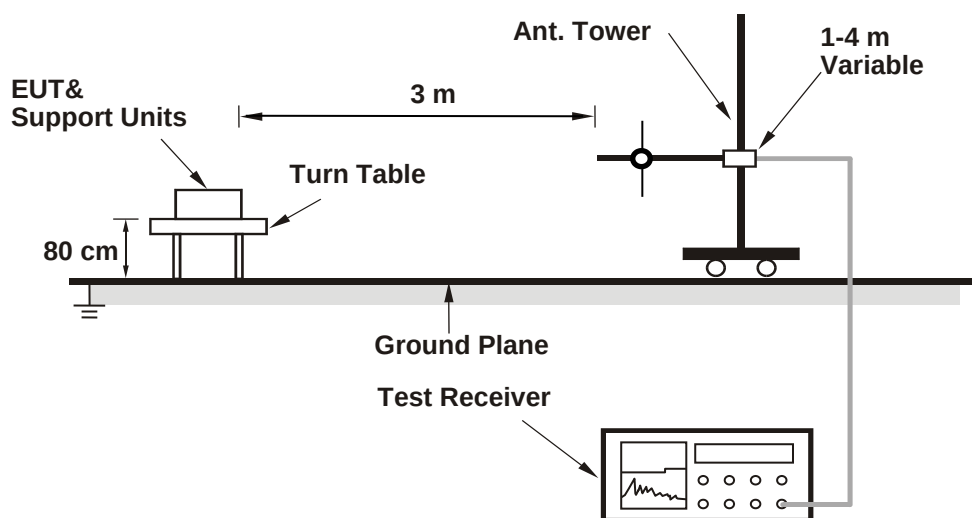
6.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

For Radiated emission above 30 MHz

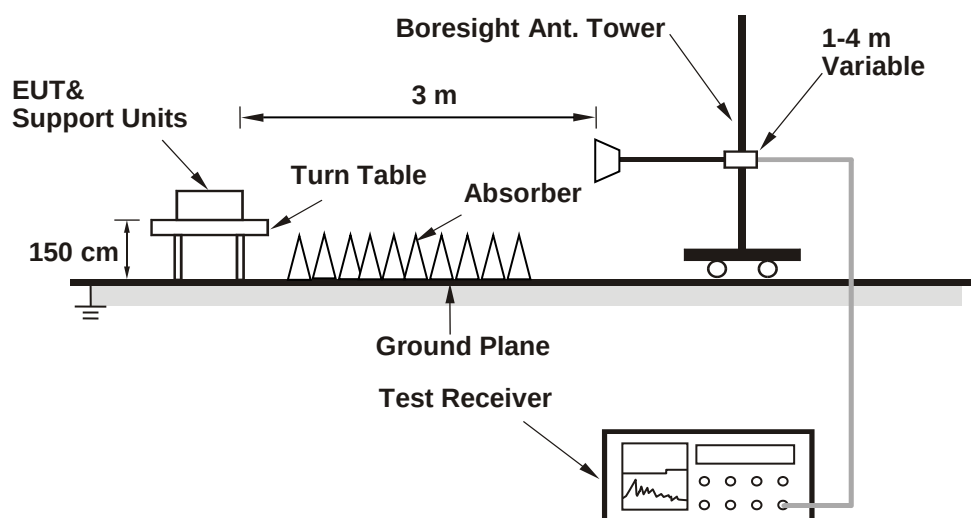
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top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

Notes:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	22.48	22.16	22.49	22.26
60	5300	23.24	22.29	22.50	22.64
64	5320	23.91	23.11	23.38	23.98
100	5500	25.90	22.50	22.88	24.01
116	5580	22.15	23.54	22.47	22.40
140	5700	21.76	21.62	21.53	21.55
144 (U-NII-2C)	5720	16.82	16.10	16.72	16.41
144 (U-NII-3)	5720	6.63	6.05	6.34	6.29

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.16	24.45	>	24
60	5300	22.29	24.48	>	24
64	5320	23.11	24.63	>	24
100	5500	22.50	24.52	>	24
116	5580	22.15	24.45	>	24
140	5700	21.53	24.33	>	24
144 (U-NII-2C)	5720	16.10	23.06	<	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	22.65	26.06	24.49	22.14
60	5300	23.45	23.60	28.70	24.17
64	5320	28.66	26.27	28.66	24.23
100	5500	31.52	26.99	24.86	31.44
116	5580	25.57	24.47	25.06	28.30
140	5700	21.71	21.73	21.75	21.74
144 (U-NII-2C)	5720	16.86	16.23	17.09	17.14
144 (U-NII-3)	5720	6.24	6.37	6.86	9.23

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	22.14	24.45 > 24
60	5300	23.45	24.7 > 24
64	5320	24.23	24.84 > 24
100	5500	24.86	24.95 > 24
116	5580	24.47	24.88 > 24
140	5700	21.71	24.36 > 24
144 (U-NII-2C)	5720	16.23	23.1 < 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	45.59	46.54	46.51	48.83
62	5310	53.98	46.58	60.59	60.61
102	5510	51.50	47.50	46.99	56.06
110	5550	46.10	46.27	46.97	46.46
134	5670	45.43	46.54	45.56	47.11
142 (U-NII-2C)	5710	38.07	37.71	37.85	38.10
142 (U-NII-3)	5710	8.65	8.60	6.26	9.14

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	45.59	27.58 > 24
62	5310	46.58	27.68 > 24
102	5510	46.99	27.72 > 24
110	5550	46.10	27.63 > 24
134	5670	45.43	27.57 > 24
142 (U-NII-2C)	5710	37.71	26.76 > 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	85.75	87.04	85.13	94.47
106	5530	87.03	86.78	86.27	84.82
122	5610	83.50	84.57	84.39	85.29
138 (U-NII-2C)	5690	77.64	77.61	77.89	77.34
138 (U-NII-3)	5690	6.92	6.64	7.03	7.28

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	85.13	30.3 > 24
106	5530	84.82	30.28 > 24
122	5610	83.50	30.21 > 24
138 (U-NII-2C)	5690	77.34	29.88 > 24

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

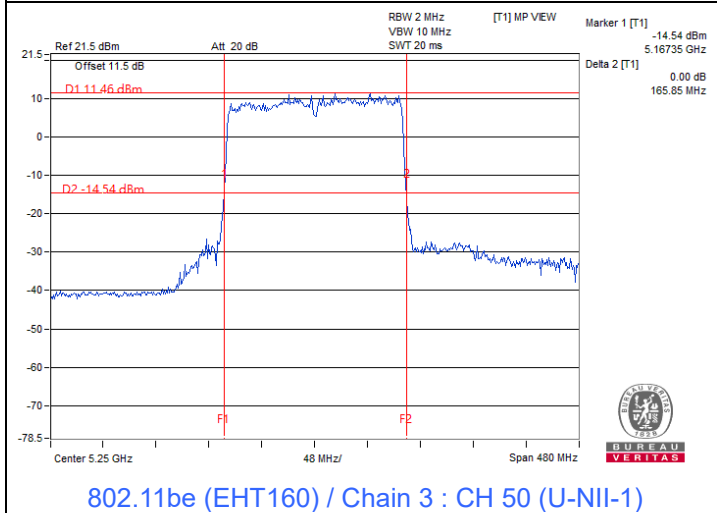
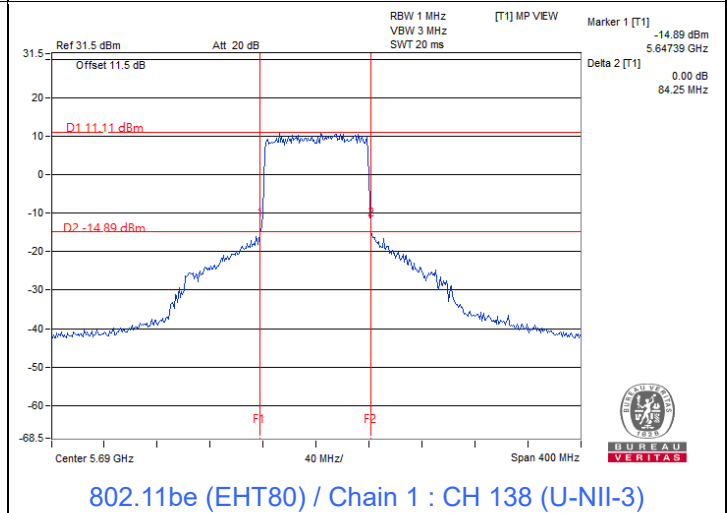
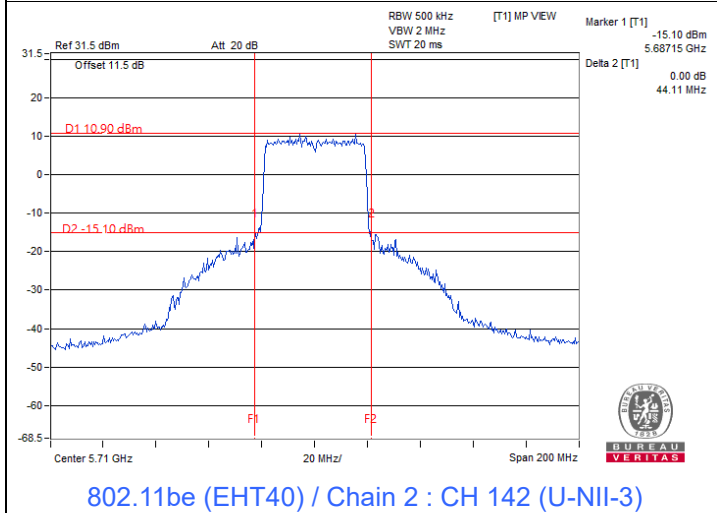
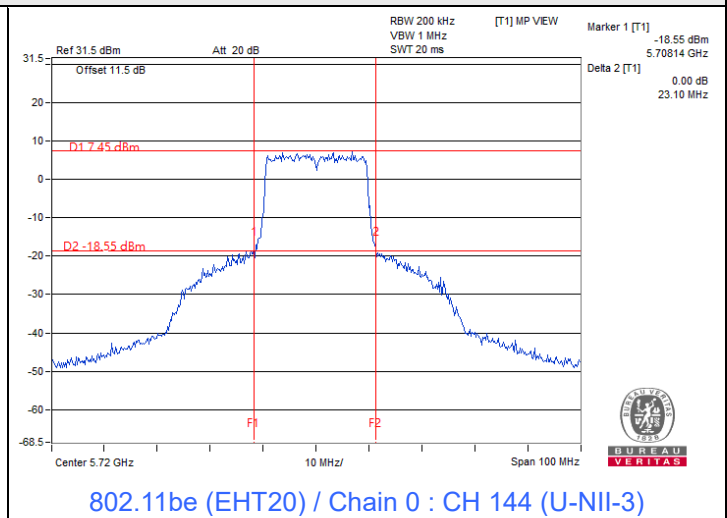
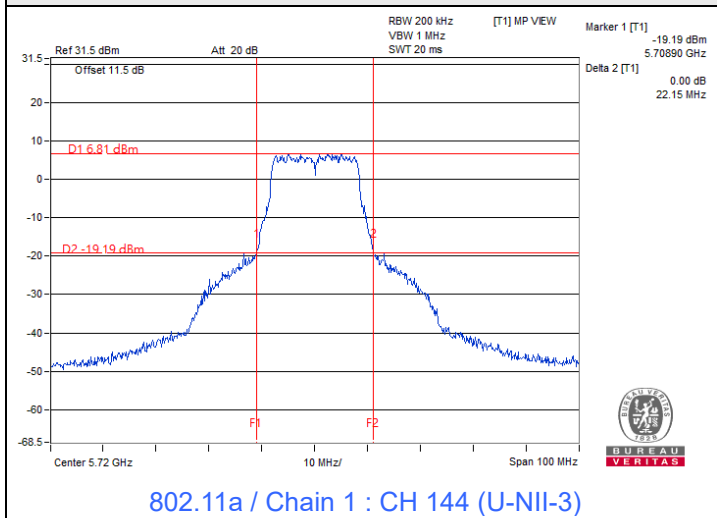
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	82.72	83.00	82.90	82.65
50 (U-NII-2A)	5250	83.20	83.21	83.64	83.20
114	5570	165.67	165.73	165.23	165.38

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	83.20	30.2 > 24
114	5570	165.23	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



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
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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	21.53	21.53	21.45	21.37	561.191	27.49	30	Pass
40	5200	23.67	24.05	23.83	24.18	990.271	29.96	30	Pass
48	5240	23.47	23.87	24.02	24.12	976.686	29.90	30	Pass
52	5260	17.38	17.95	17.82	18.09	242.026	23.84	24	Pass
60	5300	17.78	18.07	17.97	17.82	247.296	23.93	24	Pass
64	5320	17.66	17.64	17.83	17.86	238.189	23.77	24	Pass
100	5500	17.53	17.89	17.71	17.84	237.975	23.77	24	Pass
116	5580	17.32	17.80	17.74	18.02	237.023	23.75	24	Pass
140	5700	17.93	17.91	17.91	17.77	245.531	23.90	24	Pass
*144 (U-NII-2C)	5720	17.20	16.72	17.09	17.01	200.873	23.03	23.06	Pass
*144 (U-NII-3)	5720	11.23	10.92	11.05	11.08	51.192	17.09	30	Pass
149	5745	23.74	23.90	23.94	24.13	988.626	29.95	30	Pass
157	5785	23.76	24.02	23.87	23.80	973.696	29.88	30	Pass
165	5825	23.53	23.89	23.74	23.78	945.703	29.76	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	19.03	18.95	19.11	18.98	319.045	25.04	30	Pass
40	5200	21.66	21.46	21.68	21.66	580.3	27.64	30	Pass
48	5240	23.85	23.98	23.52	23.55	944.065	29.75	30	Pass
52	5260	17.78	18.00	17.54	17.81	240.224	23.81	24	Pass
60	5300	17.88	17.81	17.64	17.58	237.127	23.75	24	Pass
64	5320	17.81	17.63	17.59	17.89	237.267	23.75	24	Pass
100	5500	17.81	17.72	17.57	17.82	237.233	23.75	24	Pass
116	5580	17.87	18.00	18.05	17.69	246.906	23.93	24	Pass
140	5700	17.84	17.72	17.77	17.57	236.959	23.75	24	Pass
*144 (U-NII-2C)	5720	16.19	15.63	16.50	16.09	163.463	22.13	24	Pass
*144 (U-NII-3)	5720	10.73	10.23	10.38	11.39	47.061	16.73	30	Pass
149	5745	23.73	24.02	23.77	23.68	959.974	29.82	30	Pass
157	5785	23.78	23.65	23.53	23.94	943.687	29.75	30	Pass
165	5825	23.95	23.64	23.76	23.57	944.714	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	17.58	17.71	17.53	17.39	227.751	23.57	30	Pass
46	5230	21.35	21.37	21.21	21.32	541.195	27.33	30	Pass
54	5270	17.51	17.73	17.30	17.81	229.754	23.61	24	Pass
62	5310	17.50	17.39	17.51	17.42	222.633	23.48	24	Pass
102	5510	17.84	17.77	17.79	17.62	238.582	23.78	24	Pass
110	5550	17.72	17.79	17.80	17.78	239.509	23.79	24	Pass
134	5670	17.66	17.75	17.75	17.85	238.431	23.77	24	Pass
*142 (U-NII-2C)	5710	16.17	16.73	16.79	15.94	175.515	22.44	24	Pass
*142 (U-NII-3)	5710	6.08	6.72	6.79	5.94	17.456	12.42	30	Pass
151	5755	23.81	23.85	23.90	23.62	958.712	29.82	30	Pass
159	5795	23.82	23.99	23.89	23.61	966.123	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 maximum gain of antennas.
- For U-NII-1, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	17.61	17.47	17.67	17.56	229.019	23.60	30	Pass
58	5290	17.73	17.82	17.72	17.86	240.077	23.80	24	Pass
106	5530	17.84	17.71	17.79	17.57	237.099	23.75	24	Pass
122	5610	17.78	17.87	17.69	17.75	239.529	23.79	24	Pass
*138 (U-NII-2C)	5690	15.98	16.58	16.76	15.43	167.465	22.24	24	Pass
*138 (U-NII-3)	5690	2.83	2.49	3.26	1.58	7.25	8.60	30	Pass
155	5775	23.12	23.08	23.20	23.23	827.659	29.18	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	13.81	13.26	12.77	12.84	83.382	19.21	30	Pass
*50 (U-NII-2A)	5250	15.02	14.49	13.91	13.97	109.437	20.39	24	Pass
114	5570	17.81	17.84	17.70	17.86	241.187	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 , 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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 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	19.25	19.08	19.24	19.19	331.98	25.21	30	Pass
40	5200	21.81	21.55	21.73	21.83	595.936	27.75	30	Pass
48	5240	23.80	24.11	23.51	23.66	954.177	29.80	30	Pass
52	5260	17.85	18.08	17.63	17.88	244.542	23.88	24	Pass
60	5300	17.84	17.79	17.59	17.71	237.363	23.75	24	Pass
64	5320	17.87	17.59	17.58	17.88	237.302	23.75	24	Pass
100	5500	17.90	17.57	17.74	17.71	237.257	23.75	24	Pass
116	5580	17.92	17.97	18.02	17.78	247.972	23.94	24	Pass
140	5700	17.84	17.79	17.67	17.66	237.754	23.76	24	Pass
*144 (U-NII-2C)	5720	16.27	15.68	16.56	16.15	165.847	22.20	24	Pass
*144 (U-NII-3)	5720	10.83	10.32	10.48	11.47	48.067	16.82	30	Pass
149	5745	23.75	24.01	23.79	23.69	962.12	29.83	30	Pass
157	5785	23.76	23.65	23.54	23.97	944.827	29.75	30	Pass
165	5825	23.91	23.67	23.76	23.59	945.09	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	17.79	17.81	17.76	17.56	237.232	23.75	30	Pass
46	5230	21.44	21.52	21.37	21.59	562.521	27.50	30	Pass
54	5270	17.76	17.81	17.52	17.81	236.987	23.75	24	Pass
62	5310	17.65	17.53	17.72	17.48	229.966	23.62	24	Pass
102	5510	17.96	17.83	17.83	17.69	242.613	23.85	24	Pass
110	5550	17.69	17.82	17.88	17.97	243.321	23.86	24	Pass
134	5670	17.70	17.73	17.74	17.83	238.28	23.77	24	Pass
*142 (U-NII-2C)	5710	16.21	16.79	16.86	15.99	177.784	22.50	24	Pass
*142 (U-NII-3)	5710	6.15	6.75	6.86	6.01	17.696	12.48	30	Pass
151	5755	23.83	23.84	23.93	23.60	959.908	29.82	30	Pass
159	5795	23.81	23.99	23.92	23.61	967.266	29.86	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	17.78	17.60	17.78	17.76	237.206	23.75	30	Pass
58	5290	17.76	17.84	17.69	17.88	240.642	23.81	24	Pass
106	5530	17.89	17.73	17.75	17.55	237.262	23.75	24	Pass
122	5610	17.83	17.95	17.78	17.81	243.421	23.86	24	Pass
*138 (U-NII-2C)	5690	16.02	16.66	16.82	15.49	169.823	22.30	24	Pass
*138 (U-NII-3)	5690	2.89	2.57	3.30	1.62	7.343	8.66	30	Pass
155	5775	23.15	23.11	23.21	23.26	832.43	29.20	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	13.89	13.41	12.85	12.96	85.464	19.32	30	Pass
*50 (U-NII-2A)	5250	15.13	14.60	14.05	14.08	112.42	20.51	24	Pass
114	5570	17.82	17.86	17.73	17.88	242.297	23.84	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 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	19.40	19.22	19.43	19.34	344.258	25.37	30	Pass
40	5200	21.89	21.74	21.93	21.99	617.885	27.91	30	Pass
48	5240	23.90	24.16	23.60	23.76	972.857	29.88	30	Pass
52	5260	17.91	18.13	17.70	17.94	247.929	23.94	24	Pass
60	5300	17.69	17.71	17.74	17.82	237.732	23.76	24	Pass
64	5320	17.82	17.62	17.62	17.90	237.813	23.76	24	Pass
100	5500	17.84	17.70	17.77	17.77	239.38	23.79	24	Pass
116	5580	17.90	18.01	18.06	17.74	248.303	23.95	24	Pass
140	5700	17.86	17.79	17.69	17.69	238.709	23.78	24	Pass
*144 (U-NII-2C)	5720	17.28	16.95	17.09	16.93	203.487	23.09	23.1	Pass
*144 (U-NII-3)	5720	12.18	11.95	12.04	11.93	63.778	18.05	30	Pass
149	5745	23.78	24.03	23.79	23.69	964.926	29.84	30	Pass
157	5785	23.81	23.68	23.58	23.98	951.851	29.79	30	Pass
165	5825	23.93	23.69	23.79	23.62	950.532	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.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	17.91	17.98	17.87	17.72	244.999	23.89	30	Pass
46	5230	21.58	21.66	21.55	21.69	580.895	27.64	30	Pass
54	5270	17.79	17.91	17.57	17.93	241.154	23.82	24	Pass
62	5310	17.99	17.65	17.77	17.61	238.679	23.78	24	Pass
102	5510	18.05	17.90	17.98	17.83	248.965	23.96	24	Pass
110	5550	17.84	17.97	17.95	18.02	249.235	23.97	24	Pass
134	5670	17.71	17.78	17.79	17.88	240.493	23.81	24	Pass
*142 (U-NII-2C)	5710	17.24	17.11	16.71	16.78	198.895	22.99	24	Pass
*142 (U-NII-3)	5710	7.79	7.79	7.38	7.38	22.964	13.61	30	Pass
151	5755	23.85	23.89	23.95	23.63	966.555	29.85	30	Pass
159	5795	23.86	24.01	23.91	23.63	971.7	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.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	18.39	18.29	18.43	18.37	274.846	24.39	30	Pass
58	5290	17.78	17.87	17.75	17.90	242.44	23.85	24	Pass
106	5530	17.89	17.74	17.79	17.60	238.608	23.78	24	Pass
122	5610	17.89	18.03	17.92	17.95	249.368	23.97	24	Pass
*138 (U-NII-2C)	5690	17.49	17.31	17.40	16.90	213.864	23.30	24	Pass
*138 (U-NII-3)	5690	4.11	4.32	4.19	3.87	10.342	10.15	30	Pass
155	5775	23.24	23.21	23.31	23.35	850.835	29.30	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5 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	14.04	13.53	13.00	13.00	87.799	19.43	30	Pass
*50 (U-NII-2A)	5250	15.17	14.66	14.14	14.14	114.01	20.57	24	Pass
114	5570	17.85	17.88	17.75	17.88	243.272	23.86	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 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5 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	18.99	18.92	19.07	18.93	316.119	25.00	30	Pass
40	5200	21.64	21.42	21.65	21.61	575.652	27.60	30	Pass
48	5240	23.83	23.94	23.49	23.54	938.589	29.72	30	Pass
52	5260	17.75	17.96	17.50	17.76	238.021	23.77	24	Pass
60	5300	17.84	17.79	17.60	17.53	235.099	23.71	24	Pass
64	5320	17.78	17.60	17.55	17.88	235.785	23.73	24	Pass
100	5500	17.76	17.69	17.56	17.80	235.725	23.72	24	Pass
116	5580	17.86	17.97	18.04	17.65	245.645	23.90	24	Pass
140	5700	17.82	17.68	17.76	17.52	235.345	23.72	24	Pass
*144 (U-NII-2C)	5720	16.16	15.60	16.41	16.04	161.544	22.08	24	Pass
*144 (U-NII-3)	5720	10.65	10.15	10.31	11.30	46.195	16.65	30	Pass
149	5745	23.69	23.97	23.73	23.63	950.066	29.78	30	Pass
157	5785	23.73	23.64	23.48	23.91	936.135	29.71	30	Pass
165	5825	23.90	23.61	23.75	23.54	938.167	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	17.57	17.66	17.49	17.35	225.922	23.54	30	Pass
46	5230	21.31	21.35	21.18	21.29	537.472	27.30	30	Pass
54	5270	17.48	17.68	17.28	17.79	228.163	23.58	24	Pass
62	5310	17.45	17.36	17.47	17.41	220.968	23.44	24	Pass
102	5510	17.82	17.76	17.75	17.57	236.952	23.75	24	Pass
110	5550	17.67	17.76	17.77	17.77	237.865	23.76	24	Pass
134	5670	17.64	17.71	17.71	17.81	236.512	23.74	24	Pass
*142 (U-NII-2C)	5710	16.11	16.65	16.71	15.89	172.766	22.37	24	Pass
*142 (U-NII-3)	5710	5.99	6.64	6.72	5.88	17.157	12.34	30	Pass
151	5755	23.79	23.84	23.85	23.61	953.71	29.79	30	Pass
159	5795	23.78	23.95	23.87	23.58	958.91	29.82	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	17.58	17.46	17.66	17.52	227.836	23.58	30	Pass
58	5290	17.71	17.79	17.67	17.82	238.151	23.77	24	Pass
106	5530	17.83	17.66	17.74	17.54	235.202	23.71	24	Pass
122	5610	17.73	17.85	17.65	17.72	237.613	23.76	24	Pass
*138 (U-NII-2C)	5690	15.93	16.52	16.67	15.34	164.698	22.17	24	Pass
*138 (U-NII-3)	5690	2.79	2.41	3.22	1.54	7.167	8.55	30	Pass
155	5775	23.12	23.05	23.19	23.21	824.813	29.16	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	13.73	13.33	12.68	12.78	82.635	19.17	30	Pass
*50 (U-NII-2A)	5250	14.99	14.48	13.80	13.84	107.803	20.33	24	Pass
114	5570	17.78	17.83	17.67	17.83	239.805	23.80	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 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	19.24	19.06	19.20	19.15	329.884	25.18	30	Pass
40	5200	21.78	21.50	21.70	21.79	590.833	27.71	30	Pass
48	5240	23.76	24.09	23.49	23.61	947.105	29.76	30	Pass
52	5260	17.81	18.03	17.61	17.83	242.278	23.84	24	Pass
60	5300	17.80	17.77	17.56	17.69	235.862	23.73	24	Pass
64	5320	17.83	17.55	17.56	17.87	235.81	23.73	24	Pass
100	5500	17.86	17.52	17.73	17.70	235.765	23.72	24	Pass
116	5580	17.90	17.92	17.98	17.74	245.839	23.91	24	Pass
140	5700	17.81	17.75	17.66	17.61	235.982	23.73	24	Pass
*144 (U-NII-2C)	5720	16.22	15.63	16.50	16.11	163.939	22.15	24	Pass
*144 (U-NII-3)	5720	10.78	10.23	10.43	11.38	47.292	16.75	30	Pass
149	5745	23.72	23.95	23.74	23.66	952.684	29.79	30	Pass
157	5785	23.74	23.63	23.51	23.93	938.827	29.73	30	Pass
165	5825	23.89	23.65	23.74	23.55	939.702	29.73	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	17.77	17.79	17.74	17.55	236.273	23.73	30	Pass
46	5230	21.41	21.51	21.36	21.56	559.928	27.48	30	Pass
54	5270	17.75	17.78	17.47	17.78	235.371	23.72	24	Pass
62	5310	17.64	17.51	17.71	17.45	229.051	23.60	24	Pass
102	5510	17.95	17.81	17.82	17.68	241.916	23.84	24	Pass
110	5550	17.67	17.79	17.87	17.92	241.776	23.83	24	Pass
134	5670	17.71	17.70	17.71	17.80	237.181	23.75	24	Pass
*142 (U-NII-2C)	5710	16.13	16.74	16.80	15.96	175.535	22.44	24	Pass
*142 (U-NII-3)	5710	6.10	6.72	6.77	5.98	17.489	12.43	30	Pass
151	5755	23.80	23.82	23.89	23.56	952.767	29.79	30	Pass
159	5795	23.78	23.98	23.90	23.57	961.796	29.83	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	17.73	17.56	17.75	17.71	234.895	23.71	30	Pass
58	5290	17.74	17.82	17.67	17.90	240.102	23.80	24	Pass
106	5530	17.86	17.70	17.74	17.53	236.032	23.73	24	Pass
122	5610	17.82	17.90	17.76	17.77	241.738	23.83	24	Pass
*138 (U-NII-2C)	5690	15.98	16.62	16.75	15.44	167.857	22.25	24	Pass
*138 (U-NII-3)	5690	2.80	2.52	3.27	1.58	7.254	8.61	30	Pass
155	5775	23.13	23.08	23.18	23.25	828.143	29.18	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	13.85	13.37	12.75	12.89	84.283	19.26	30	Pass
*50 (U-NII-2A)	5250	15.09	14.51	13.95	13.99	110.426	20.43	24	Pass
114	5570	17.82	17.84	17.71	17.86	241.462	23.83	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 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	19.35	19.17	19.38	19.32	340.906	25.33	30	Pass
40	5200	21.85	21.69	21.89	21.98	612.966	27.87	30	Pass
48	5240	23.86	24.11	23.59	23.73	965.46	29.85	30	Pass
52	5260	17.86	18.09	17.69	17.90	245.92	23.91	24	Pass
60	5300	17.67	17.70	17.74	17.80	237.049	23.75	24	Pass
64	5320	17.80	17.60	17.60	17.88	236.72	23.74	24	Pass
100	5500	17.83	17.67	17.74	17.73	237.874	23.76	24	Pass
116	5580	17.88	17.99	18.03	17.73	247.152	23.93	24	Pass
140	5700	17.83	17.79	17.69	17.68	238.154	23.77	24	Pass
*144 (U-NII-2C)	5720	17.15	16.85	17.03	16.83	198.958	22.99	24	Pass
*144 (U-NII-3)	5720	12.12	11.88	11.98	11.80	62.622	17.97	30	Pass
149	5745	23.76	23.99	23.74	23.65	956.626	29.81	30	Pass
157	5785	23.80	23.67	23.55	23.95	947.47	29.77	30	Pass
165	5825	23.90	23.68	23.75	23.61	945.569	29.76	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	17.90	17.93	17.83	17.70	243.304	23.86	30	Pass
46	5230	21.54	21.63	21.50	21.64	575.242	27.60	30	Pass
54	5270	17.75	17.89	17.52	17.88	238.954	23.78	24	Pass
62	5310	17.94	17.60	17.74	17.56	236.22	23.73	24	Pass
102	5510	18.02	17.87	17.95	17.80	247.251	23.93	24	Pass
110	5550	17.80	17.92	17.92	17.97	246.806	23.92	24	Pass
134	5670	17.67	17.74	17.78	17.86	238.982	23.78	24	Pass
*142 (U-NII-2C)	5710	17.13	16.96	16.62	16.63	193.246	22.86	24	Pass
*142 (U-NII-3)	5710	7.73	7.66	7.30	7.23	22.418	13.51	30	Pass
151	5755	23.84	23.87	23.93	23.58	961.091	29.83	30	Pass
159	5795	23.84	23.97	23.89	23.61	966.084	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 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	18.34	18.27	18.38	18.35	272.633	24.36	30	Pass
58	5290	17.76	17.84	17.71	17.87	240.772	23.82	24	Pass
106	5530	17.88	17.72	17.74	17.57	237.109	23.75	24	Pass
122	5610	17.84	17.98	17.91	17.91	247.223	23.93	24	Pass
*138 (U-NII-2C)	5690	17.39	17.16	17.35	16.84	209.458	23.21	24	Pass
*138 (U-NII-3)	5690	4.00	4.21	4.10	3.80	10.117	10.05	30	Pass
155	5775	23.14	23.11	23.22	23.25	831.95	29.20	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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.

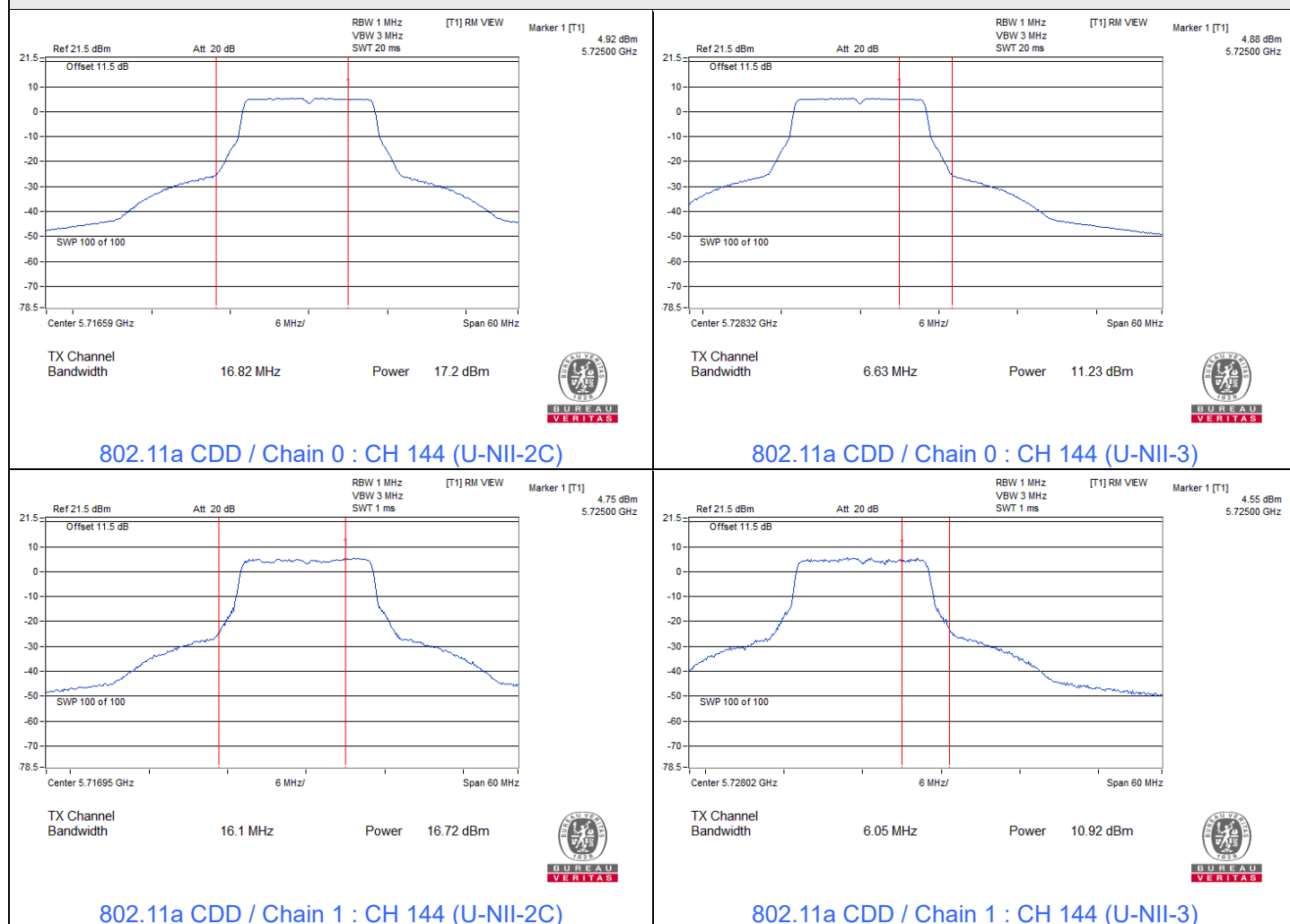
802.11be (EHT160) Beamforming

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	13.89	13.44	12.93	12.89	85.658	19.33	30	Pass
*50 (U-NII-2A)	5250	15.05	14.55	14.01	14.03	110.969	20.45	24	Pass
114	5570	17.83	17.87	17.72	17.86	242.159	23.84	24	Pass

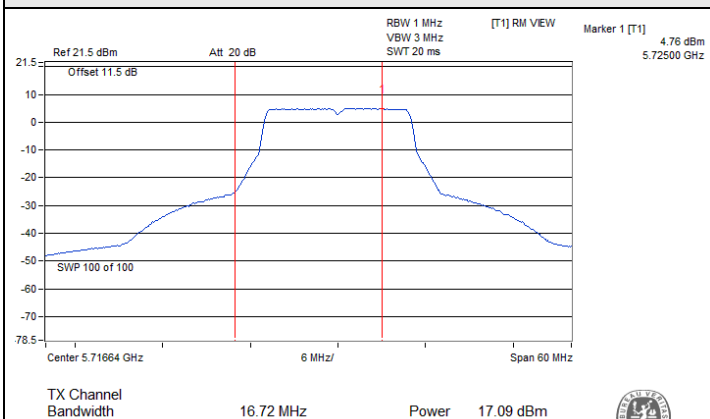
Notes:

- * : 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 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.43 dBi < 6 dBi, so the output power limit shall not be reduced.

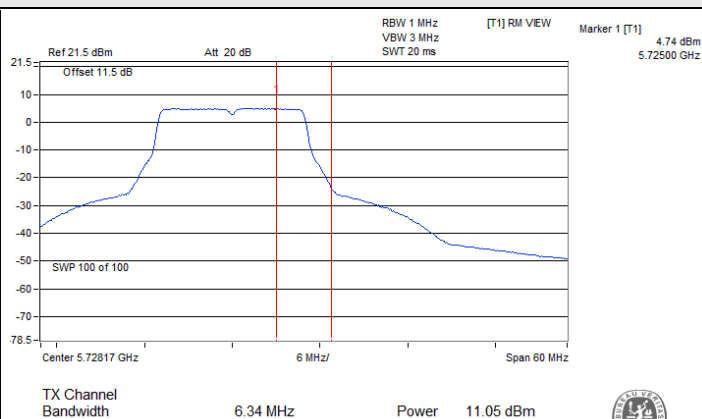
Spectrum Plot for channel straddling



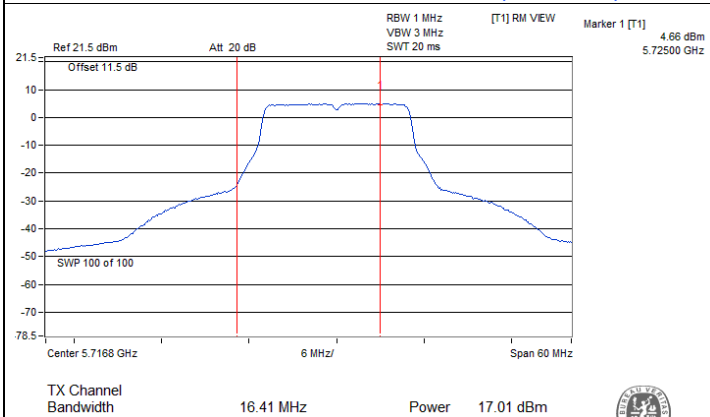
Spectrum Plot for channel straddling



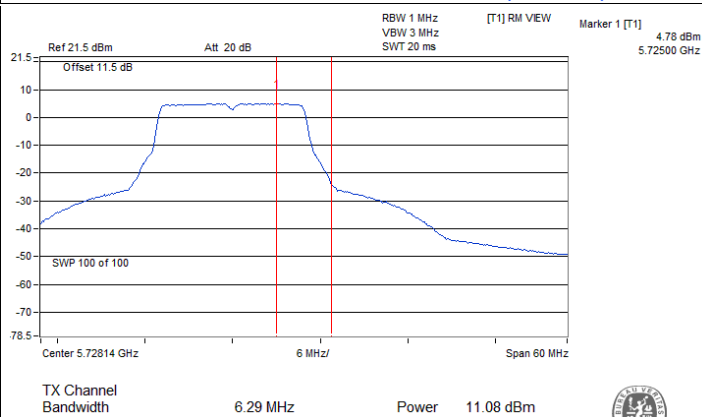
802.11a CDD / Chain 2 : CH 144 (U-NII-2C)



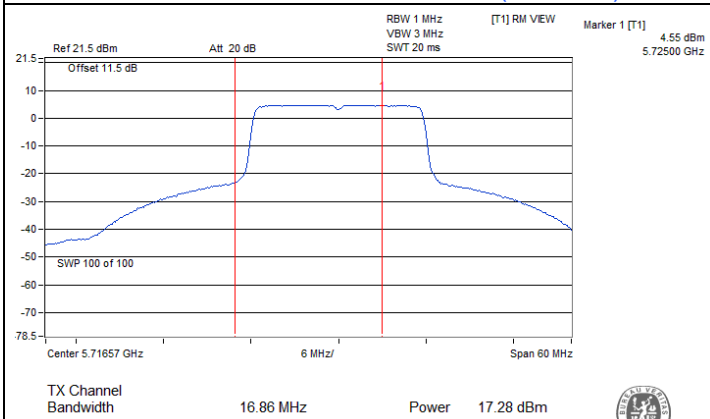
802.11a CDD / Chain 2 : CH 144 (U-NII-3)



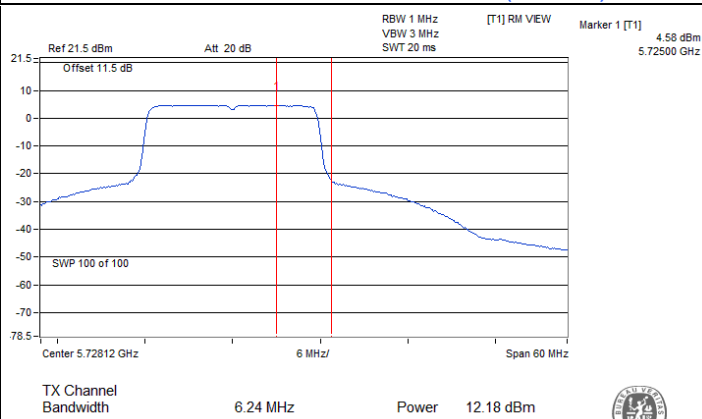
802.11a CDD / Chain 3 : CH 144 (U-NII-2C)



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

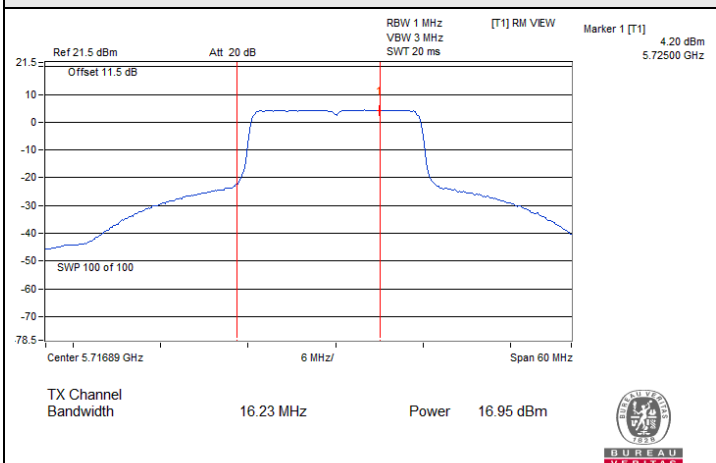


802.11be (EHT20) CDD / Chain 0 : CH 144 (U-NII-2C)

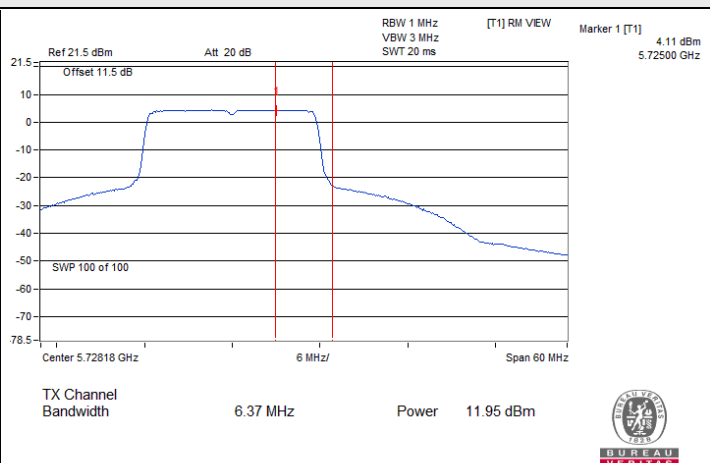


802.11be (EHT20) CDD / Chain 0 : CH 144 (U-NII-3)

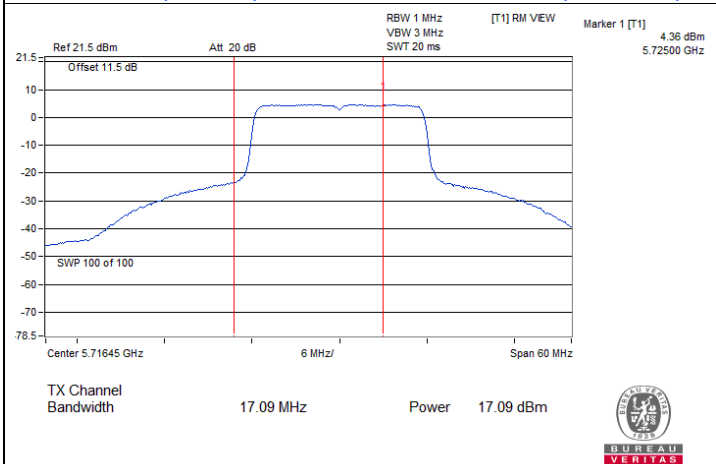
Spectrum Plot for channel straddling



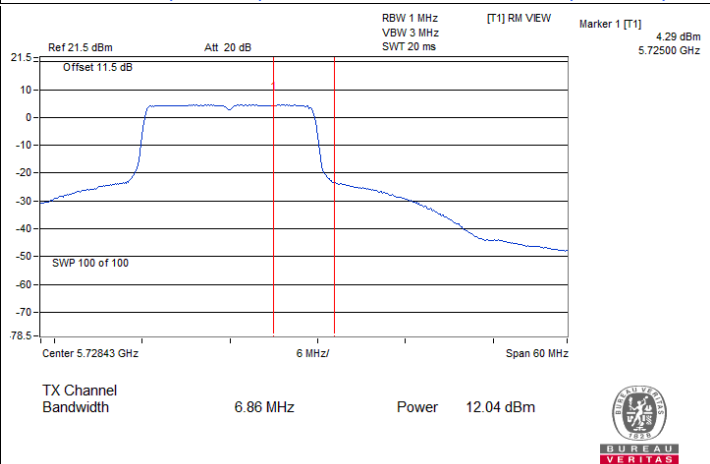
802.11be (EHT20) CDD / Chain 1 : CH 144 (U-NII-2C)



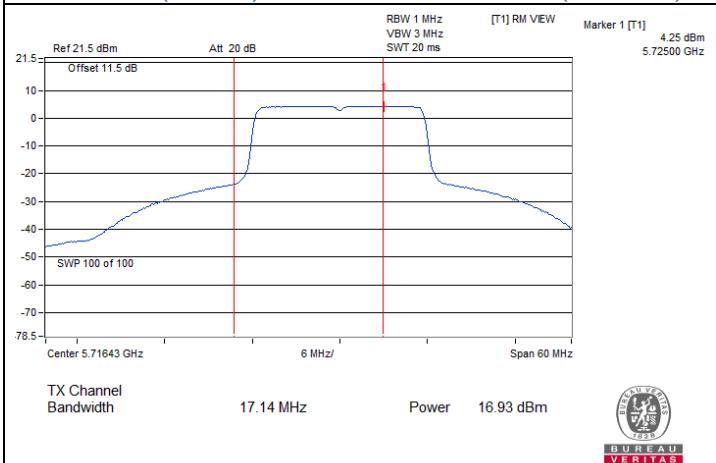
802.11be (EHT20) CDD / Chain 1 : CH 144 (U-NII-3)



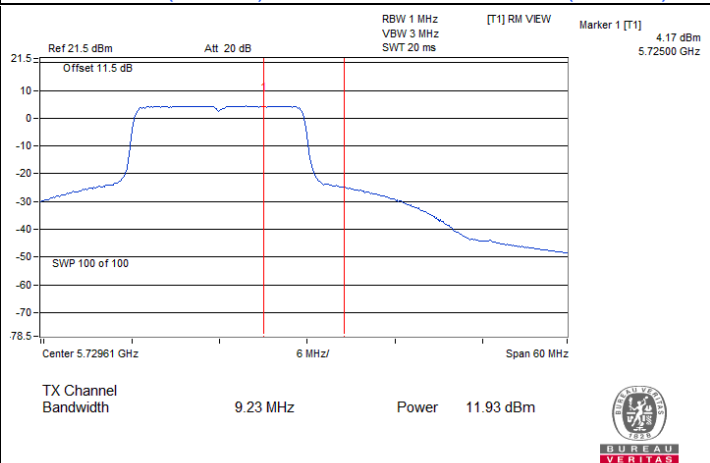
802.11be (EHT20) CDD / Chain 2 : CH 144 (U-NII-2C)



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

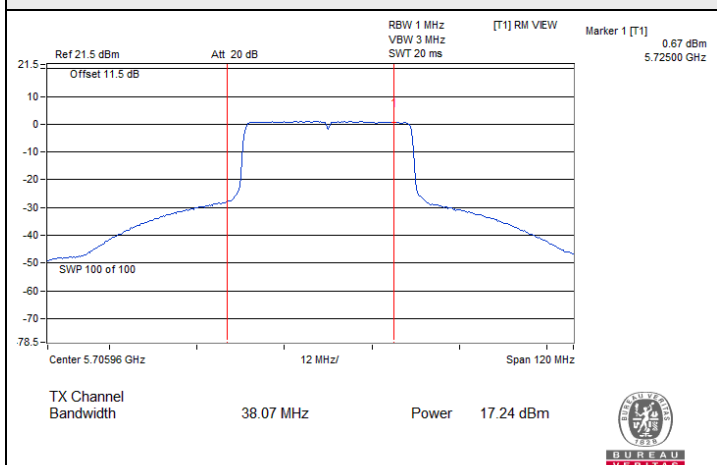


802.11be (EHT20) CDD / Chain 3 : CH 144 (U-NII-2C)

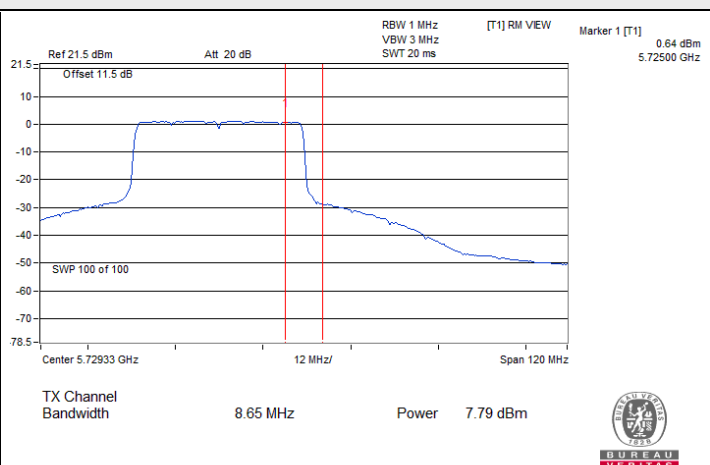


802.11be (EHT20) CDD / Chain 3 : CH 144 (U-NII-3)

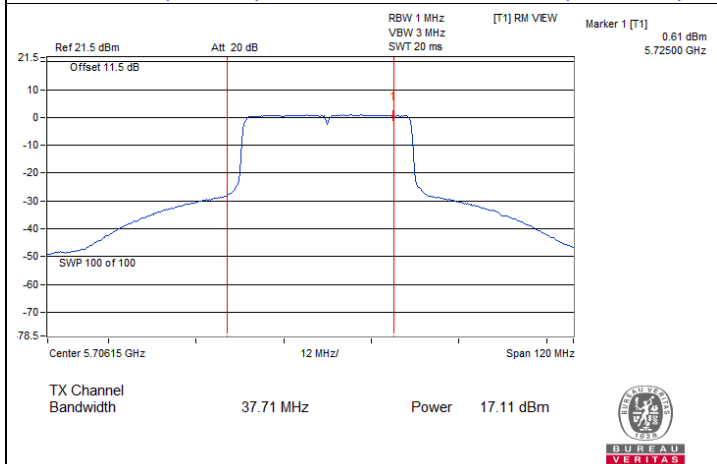
Spectrum Plot for channel straddling



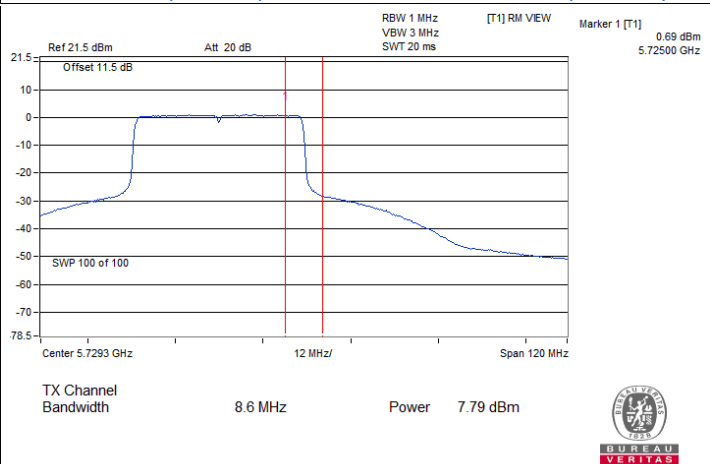
802.11be (EHT40) CDD / Chain 0 : CH 142 (U-NII-2C)



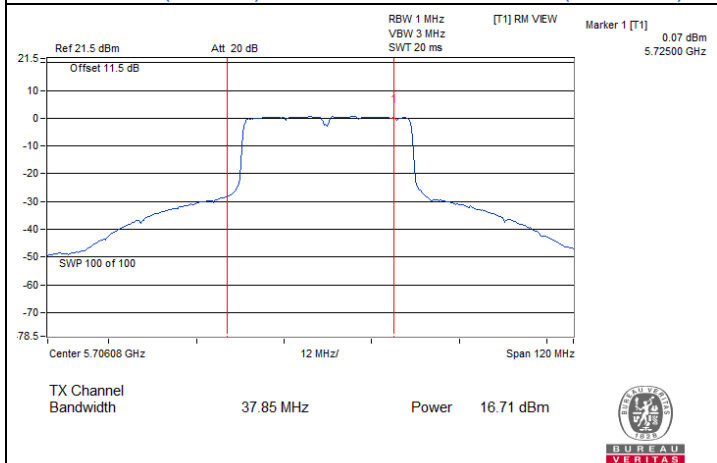
802.11be (EHT40) CDD / Chain 0 : CH 142 (U-NII-3)



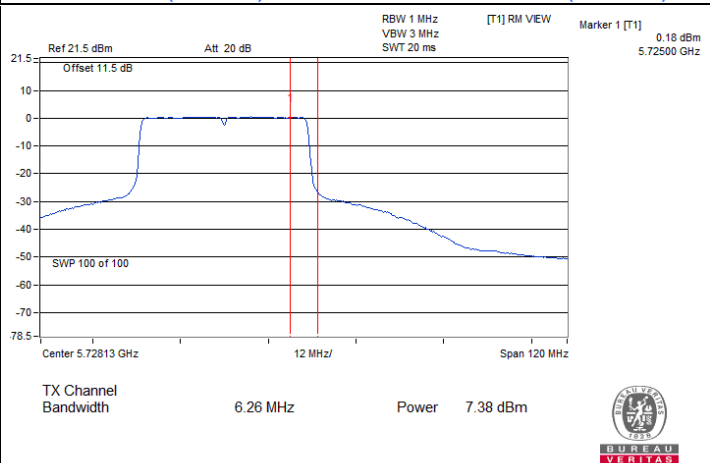
802.11be (EHT40) CDD / Chain 1 : CH 142 (U-NII-2C)



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

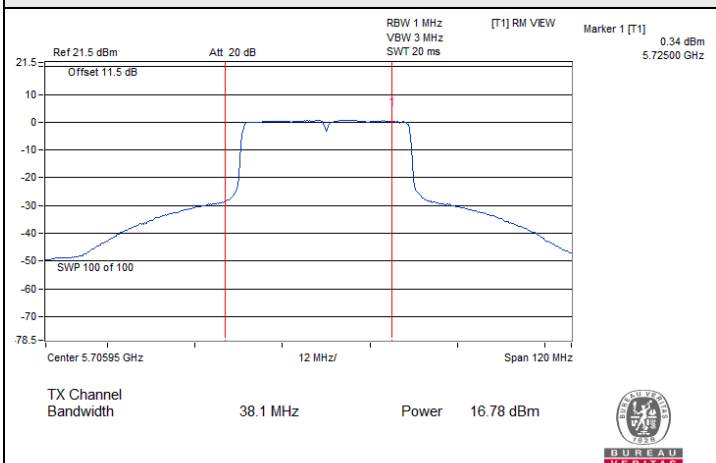


802.11be (EHT40) CDD / Chain 2 : CH 142 (U-NII-2C)

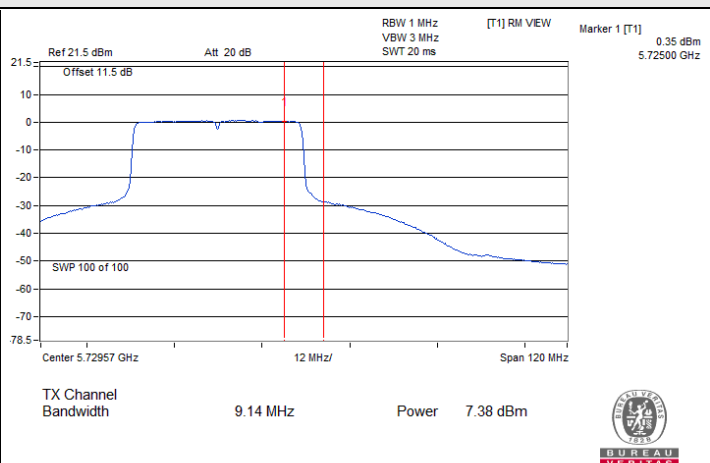


802.11be (EHT40) CDD / Chain 2 : CH 142 (U-NII-3)

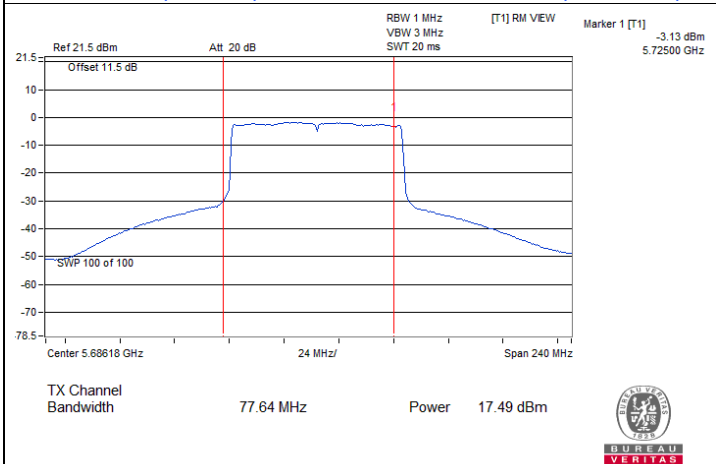
Spectrum Plot for channel straddling



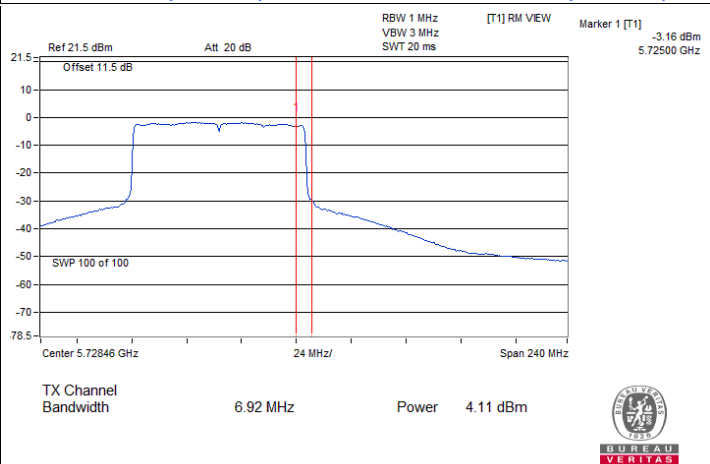
802.11be (EHT40) CDD / Chain 3 : CH 142 (U-NII-2C)



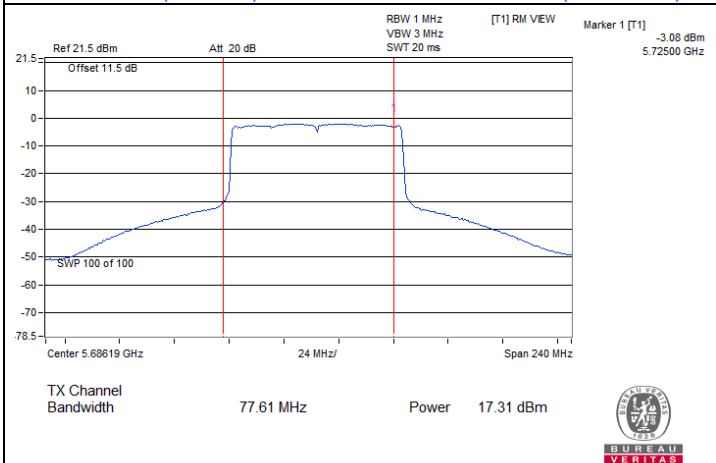
802.11be (EHT40) CDD / Chain 3 : CH 142 (U-NII-3)



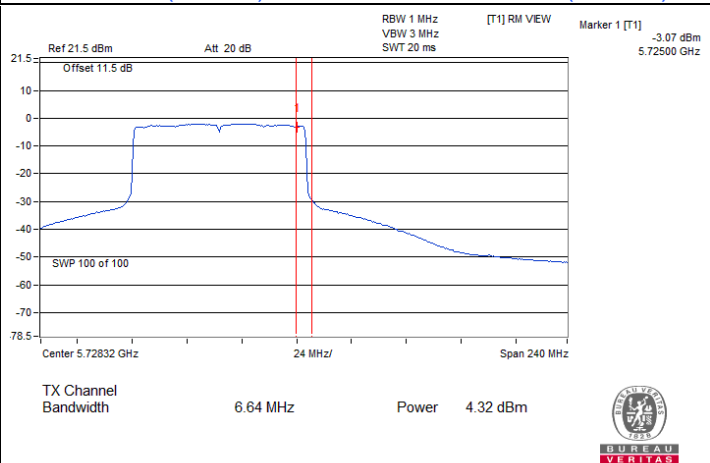
802.11be (EHT80) CDD / Chain 0 : CH 138 (U-NII-2C)



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

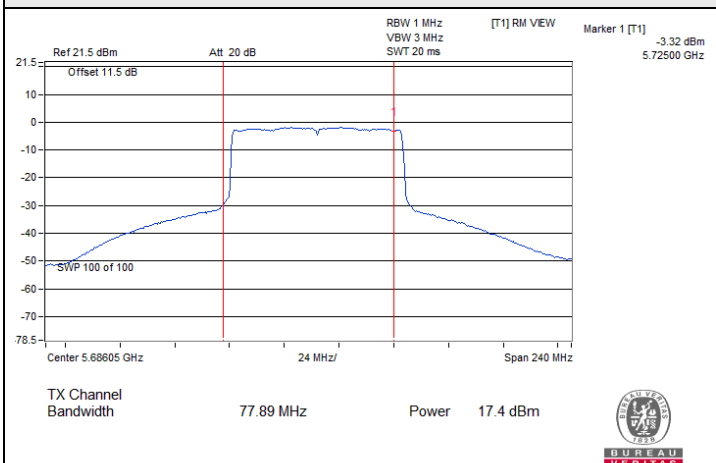


802.11be (EHT80) CDD / Chain 1 : CH 138 (U-NII-2C)

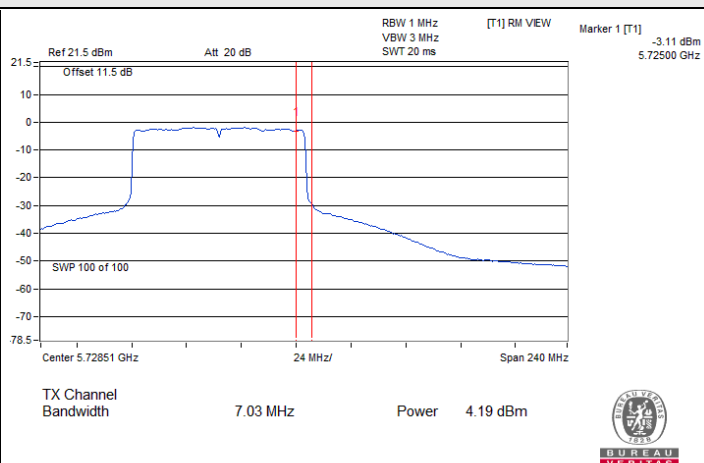


802.11be (EHT80) CDD / Chain 1 : CH 138 (U-NII-3)

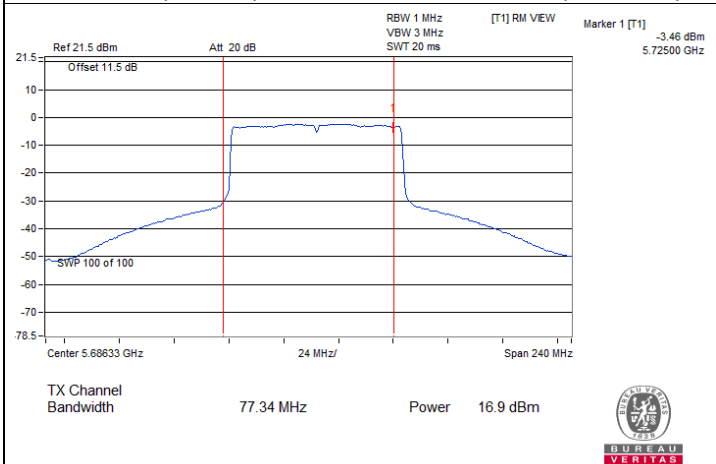
Spectrum Plot for channel straddling



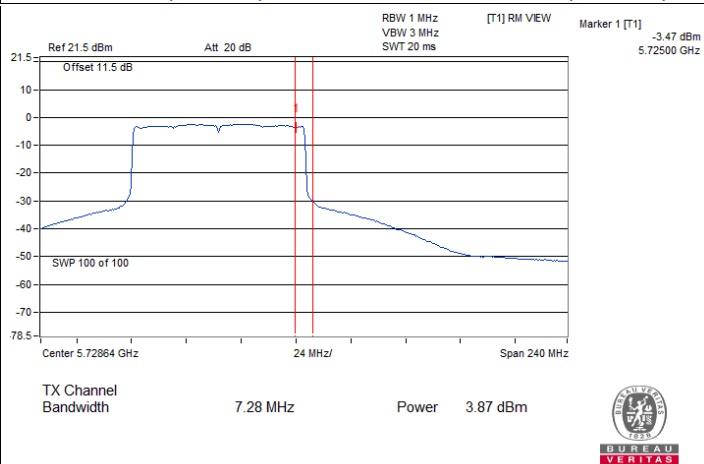
802.11be (EHT80) CDD / Chain 2 : CH 138 (U-NII-2C)



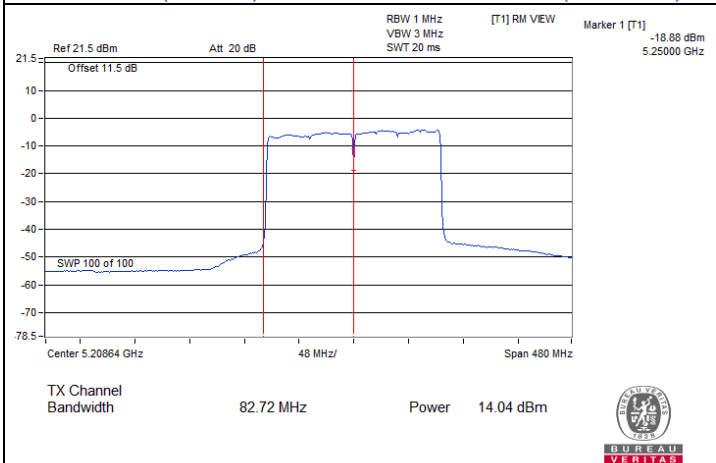
802.11be (EHT80) CDD / Chain 2 : CH 138 (U-NII-3)



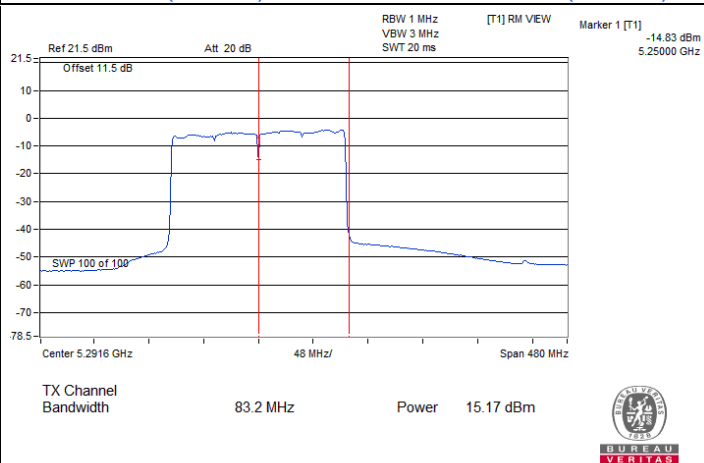
802.11be (EHT80) CDD / Chain 3 : CH 138 (U-NII-2C)



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

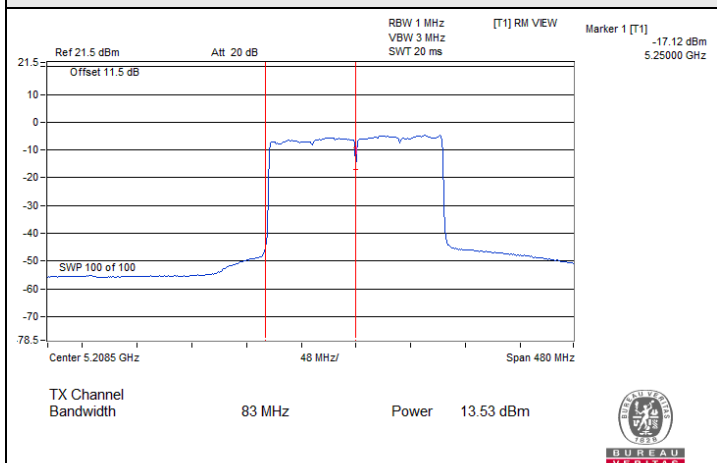


802.11be (EHT160) CDD / Chain 0 : CH 50 (U-NII-1)

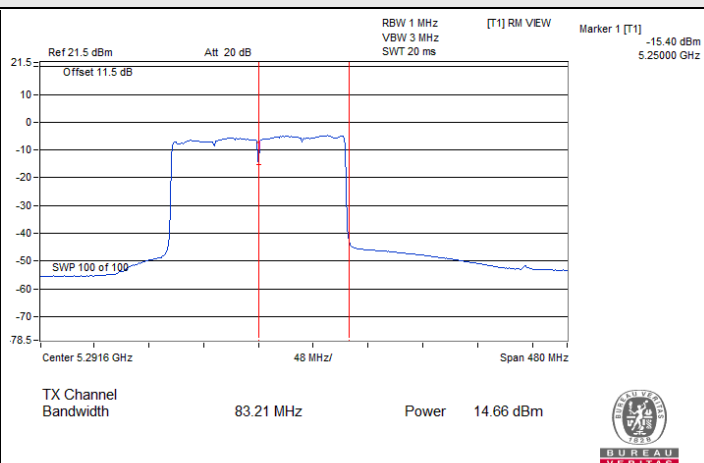


802.11be (EHT160) CDD / Chain 0 : CH 50 (U-NII-2A)

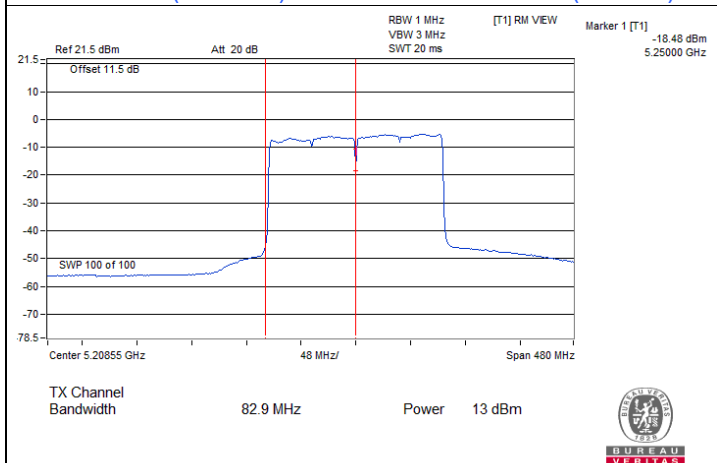
Spectrum Plot for channel straddling



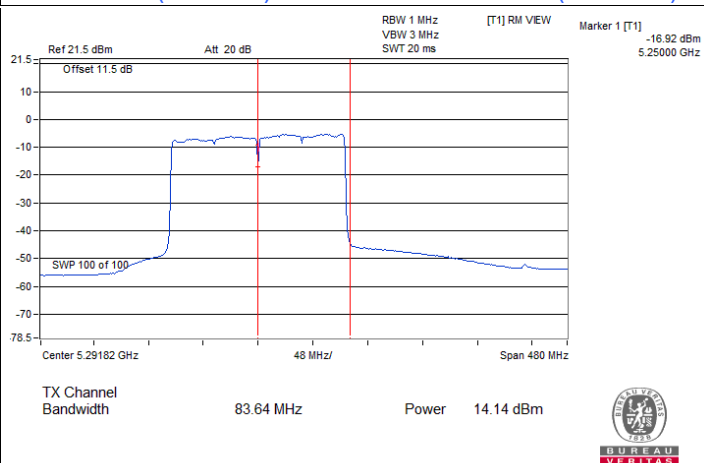
802.11be (EHT160) CDD / Chain 1 : CH 50 (U-NII-1)



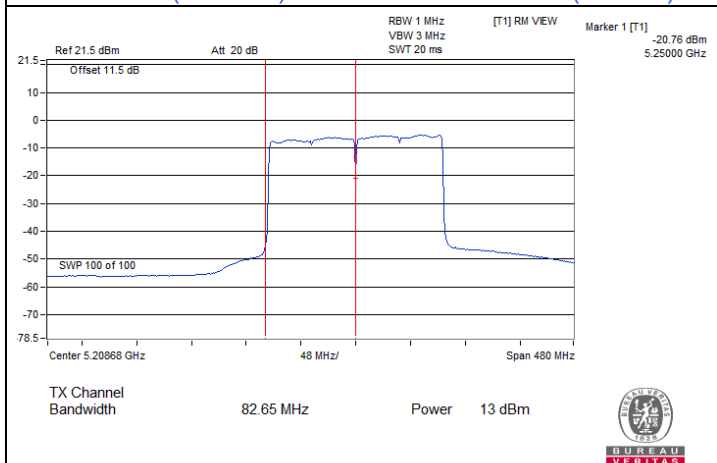
802.11be (EHT160) CDD / Chain 1 : CH 50 (U-NII-2A)



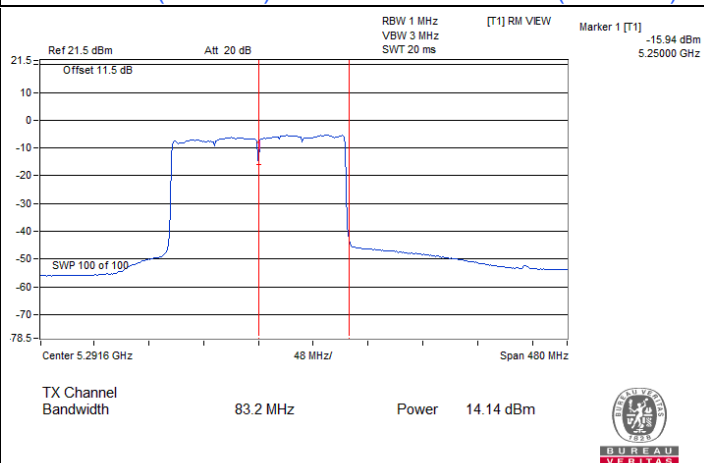
802.11be (EHT160) CDD / Chain 2 : CH 50 (U-NII-1)



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
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	9.21	9.28	9.63	9.44	15.41	17	Pass
40	5200	9.72	9.58	10.11	9.82	15.83	17	Pass
48	5240	9.60	9.39	9.91	9.55	15.64	17	Pass
52	5260	4.62	3.65	4.06	3.94	10.10	11	Pass
60	5300	3.83	3.17	3.42	3.38	9.48	11	Pass
64	5320	3.45	3.12	3.19	3.14	9.25	11	Pass
100	5500	3.68	3.53	3.76	3.48	9.63	11	Pass
116	5580	3.78	3.42	3.29	3.15	9.44	11	Pass
140	5700	4.03	3.78	3.55	3.85	9.83	11	Pass
144 (U-NII-2C)	5720	3.22	3.21	3.03	3.40	9.24	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 5.43 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.43 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	4.66	4.60	5.23	5.06	10.92	17	Pass
40	5200	7.34	7.05	7.74	7.38	13.41	17	Pass
48	5240	9.33	8.91	9.45	9.08	15.22	17	Pass
52	5260	4.08	3.18	3.53	3.40	9.58	11	Pass
60	5300	3.31	2.61	2.95	2.81	8.95	11	Pass
64	5320	2.84	2.62	2.50	2.50	8.64	11	Pass
100	5500	3.21	2.90	3.08	2.90	9.05	11	Pass
116	5580	3.24	2.82	2.85	2.61	8.91	11	Pass
140	5700	3.61	3.54	3.40	3.35	9.50	11	Pass
144 (U-NII-2C)	5720	2.65	2.83	2.49	2.90	8.74	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 5.43 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.43 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	0.27	0.39	0.61	0.32	6.42	17	Pass
46	5230	4.68	4.07	4.58	4.25	10.42	17	Pass
54	5270	0.84	0.34	0.68	0.56	6.63	11	Pass
62	5310	0.00	0.00	0.06	-0.16	6.00	11	Pass
102	5510	0.35	0.54	0.47	0.34	6.45	11	Pass
110	5550	0.56	0.39	0.18	0.26	6.37	11	Pass
134	5670	0.48	0.38	0.35	0.57	6.47	11	Pass
142 (U-NII-2C)	5710	-0.24	0.31	0.01	0.59	6.20	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 5.43 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.43 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	-2.28	-2.45	-1.85	-2.47	3.77	17	Pass
58	5290	-2.36	-2.49	-2.21	-2.53	3.62	11	Pass
106	5530	-2.20	-2.31	-2.05	-2.34	3.80	11	Pass
122	5610	-1.71	-1.97	-2.07	-2.33	4.01	11	Pass
138 (U-NII-2C)	5690	-2.48	-1.97	-2.45	-2.45	3.69	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 5.43 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.43 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	-5.90	-6.10	-6.24	-6.14	-0.07	17	Pass
50 (U-NII-2A)	5250	-4.98	-5.15	-5.29	-5.19	0.87	11	Pass
114	5570	-6.06	-6.07	-6.09	-6.13	-0.07	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 5.43 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.43 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.43 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	-5.31	-3.09	6.02	2.93	30	Pass
	149	5745	1.04	3.26	6.02	9.28	30	Pass
	157	5785	1.4	3.62	6.02	9.64	30	Pass
	165	5825	0.86	3.08	6.02	9.1	30	Pass
Chain 1	144 (U-NII-3)	5720	-4.94	-2.72	6.02	3.3	30	Pass
	149	5745	1.27	3.49	6.02	9.51	30	Pass
	157	5785	1.15	3.37	6.02	9.39	30	Pass
	165	5825	0.67	2.89	6.02	8.91	30	Pass
Chain 2	144 (U-NII-3)	5720	-5.41	-3.19	6.02	2.83	30	Pass
	149	5745	1.15	3.37	6.02	9.39	30	Pass
	157	5785	1.44	3.66	6.02	9.68	30	Pass
	165	5825	1.18	3.4	6.02	9.42	30	Pass
Chain 3	144 (U-NII-3)	5720	-4.84	-2.62	6.02	3.4	30	Pass
	149	5745	1.45	3.67	6.02	9.69	30	Pass
	157	5785	1.31	3.53	6.02	9.55	30	Pass
	165	5825	0.78	3	6.02	9.02	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 5.43 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	-6.65	-4.43	6.02	1.59	30	Pass
	149	5745	-0.59	1.63	6.02	7.65	30	Pass
	157	5785	-0.14	2.08	6.02	8.1	30	Pass
	165	5825	-0.62	1.6	6.02	7.62	30	Pass
Chain 1	144 (U-NII-3)	5720	-6.3	-4.08	6.02	1.94	30	Pass
	149	5745	0.04	2.26	6.02	8.28	30	Pass
	157	5785	-0.25	1.97	6.02	7.99	30	Pass
	165	5825	-0.66	1.56	6.02	7.58	30	Pass
Chain 2	144 (U-NII-3)	5720	-6.71	-4.49	6.02	1.53	30	Pass
	149	5745	-0.22	2	6.02	8.02	30	Pass
	157	5785	-0.2	2.02	6.02	8.04	30	Pass
	165	5825	-0.74	1.48	6.02	7.5	30	Pass
Chain 3	144 (U-NII-3)	5720	-6.31	-4.09	6.02	1.93	30	Pass
	149	5745	-0.24	1.98	6.02	8	30	Pass
	157	5785	-0.18	2.04	6.02	8.06	30	Pass
	165	5825	-1.1	1.12	6.02	7.14	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 5.43 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	-9.48	-7.26	6.02	-1.24	30	Pass
	151	5755	-3.13	-0.91	6.02	5.11	30	Pass
	159	5795	-2.91	-0.69	6.02	5.33	30	Pass
Chain 1	142 (U-NII-3)	5710	-9.23	-7.01	6.02	-0.99	30	Pass
	151	5755	-3.03	-0.81	6.02	5.21	30	Pass
	159	5795	-3.36	-1.14	6.02	4.88	30	Pass
Chain 2	142 (U-NII-3)	5710	-9.35	-7.13	6.02	-1.11	30	Pass
	151	5755	-2.94	-0.72	6.02	5.3	30	Pass
	159	5795	-3.01	-0.79	6.02	5.23	30	Pass
Chain 3	142 (U-NII-3)	5710	-8.88	-6.66	6.02	-0.64	30	Pass
	151	5755	-2.9	-0.68	6.02	5.34	30	Pass
	159	5795	-3.16	-0.94	6.02	5.08	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 5.43 dBi < 6 dBi, so the power density limit shall not be reduced.

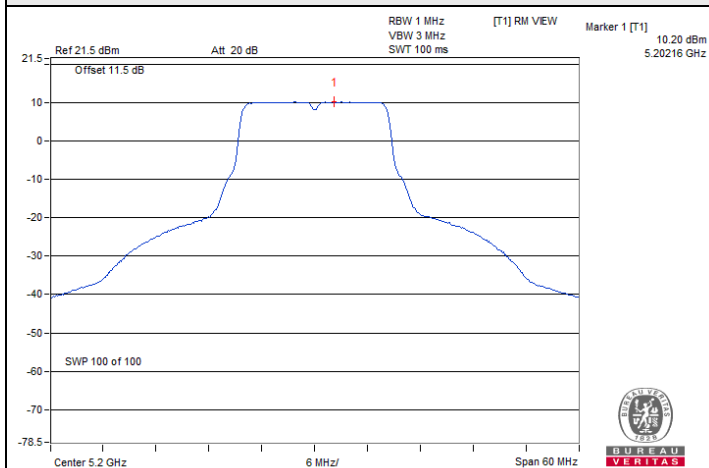
802.11be (EHT80)

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	-12.71	-10.49	6.02	-4.47	30	Pass
	155	5775	-5.97	-3.75	6.02	2.27	30	Pass
Chain 1	138 (U-NII-3)	5690	-11.9	-9.68	6.02	-3.66	30	Pass
	155	5775	-5.92	-3.7	6.02	2.32	30	Pass
Chain 2	138 (U-NII-3)	5690	-12.66	-10.44	6.02	-4.42	30	Pass
	155	5775	-5.65	-3.43	6.02	2.59	30	Pass
Chain 3	138 (U-NII-3)	5690	-12.31	-10.09	6.02	-4.07	30	Pass
	155	5775	-5.96	-3.74	6.02	2.28	30	Pass

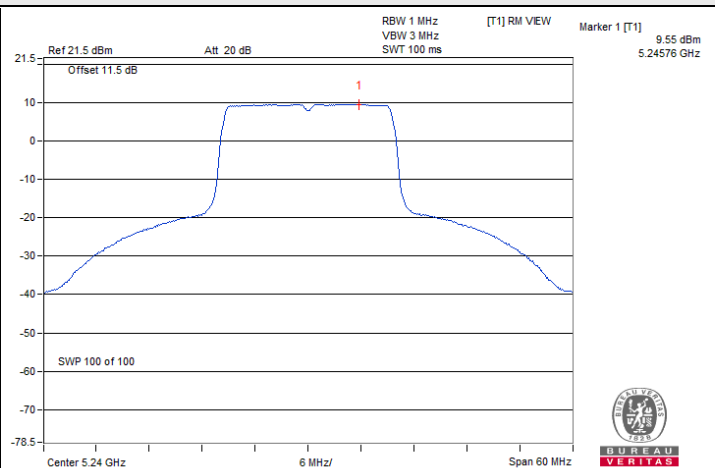
Notes:

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 5.43 dBi < 6 dBi, so the power density limit shall not be reduced.

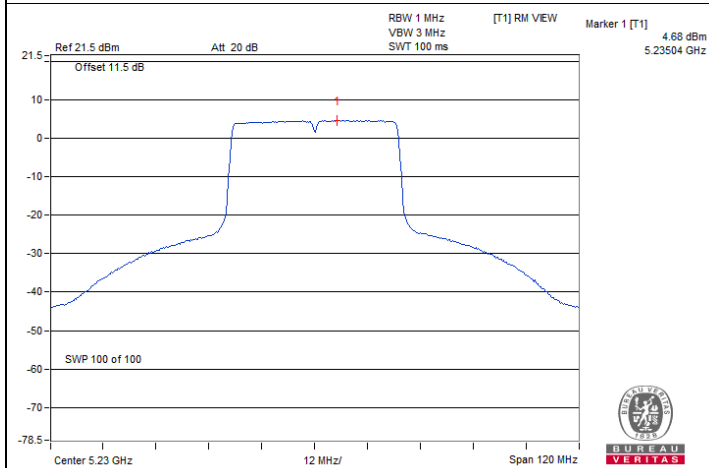
Spectrum Plot of Maximum Value



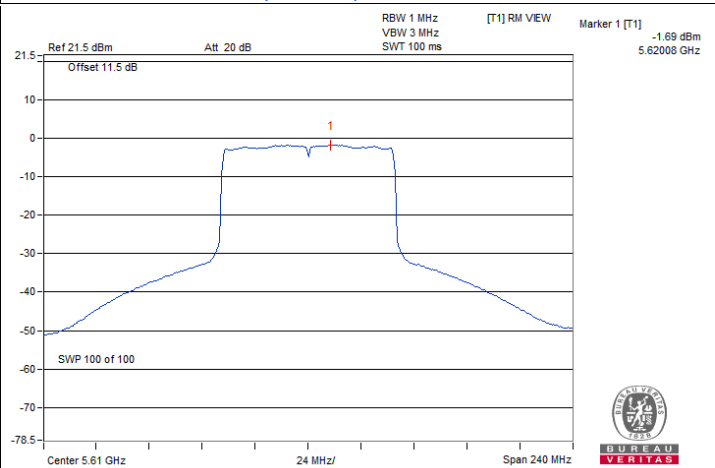
802.11a / Chain 2 : CH 40



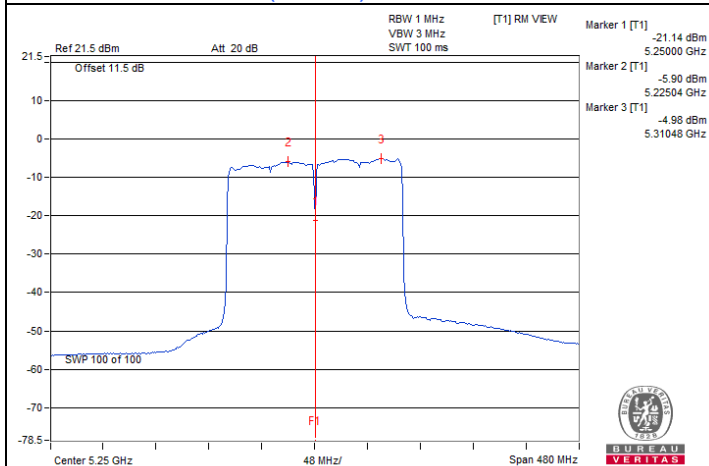
802.11be (EHT20) / Chain 2 : CH 48



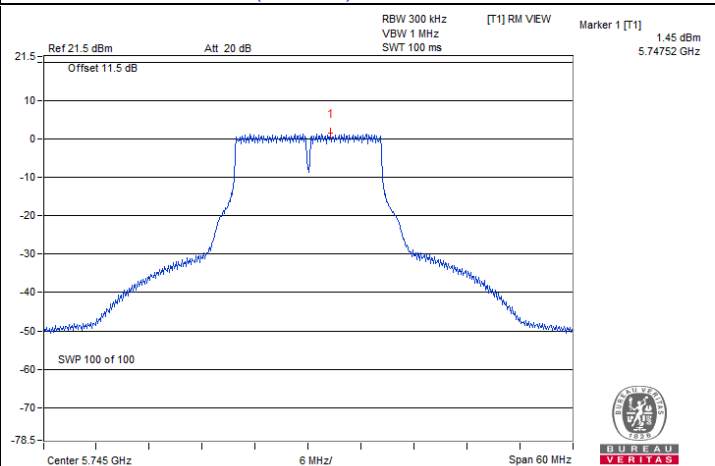
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT80) / Chain 0 : CH 122

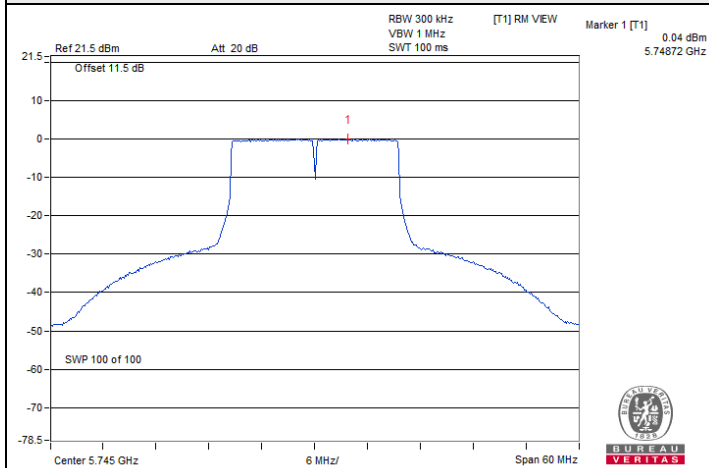


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-2A)

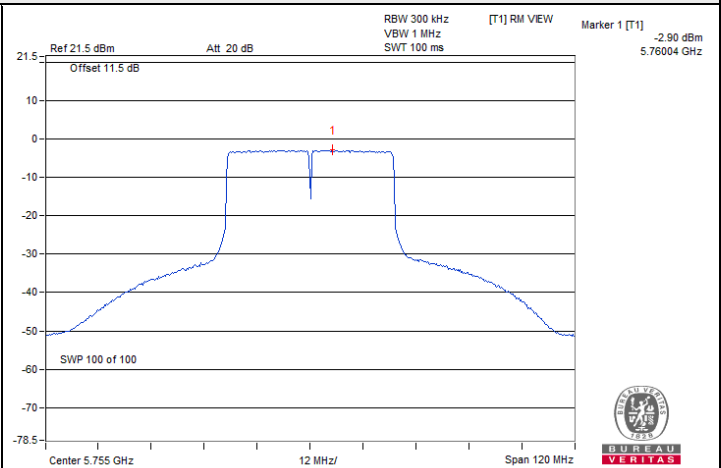


802.11a / Chain 3 : CH 149

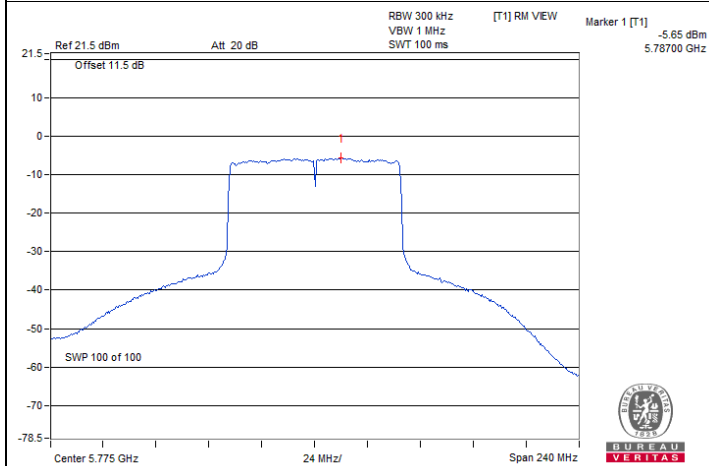
Spectrum Plot of Maximum Value



802.11be (EHT20) / Chain 1 : CH 149



802.11be (EHT40) / Chain 3 : CH 151



802.11be (EHT80) / Chain 2 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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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	3.22	3.22	3.21	3.22	0.5	Pass
149	5745	16.44	16.43	16.43	16.43	0.5	Pass
157	5785	16.43	16.43	16.43	16.43	0.5	Pass
165	5825	16.44	16.44	16.44	16.43	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	4.51	4.52	4.50	4.53	0.5	Pass
149	5745	19.03	19.05	19.03	19.05	0.5	Pass
157	5785	19.02	19.00	19.00	19.12	0.5	Pass
165	5825	19.08	19.12	19.07	19.01	0.5	Pass

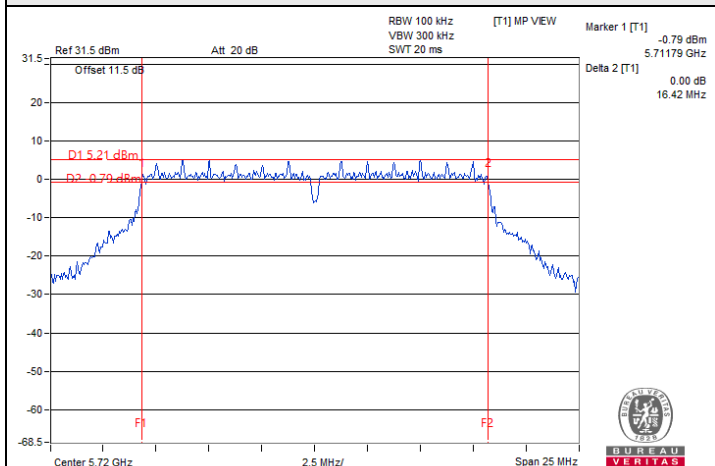
802.11be (EHT40)

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	4.03	3.95	3.92	4.01	0.5	Pass
151	5755	37.92	37.93	38.11	37.96	0.5	Pass
159	5795	38.04	37.99	37.93	38.05	0.5	Pass

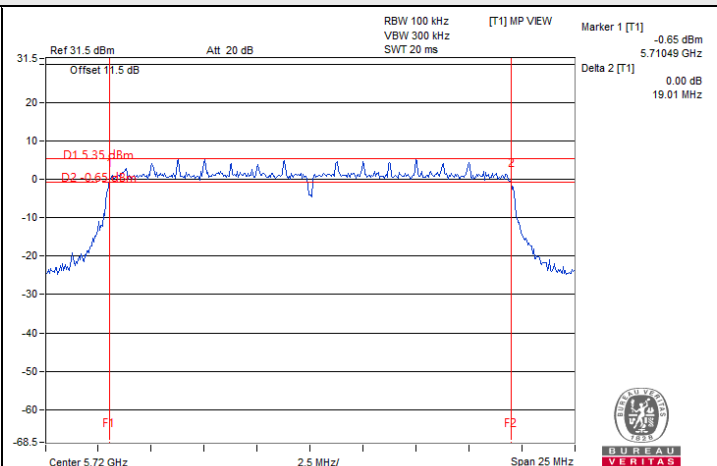
802.11be (EHT80)

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	3.83	3.88	3.81	4.04	0.5	Pass
155	5775	77.30	77.69	77.82	77.62	0.5	Pass

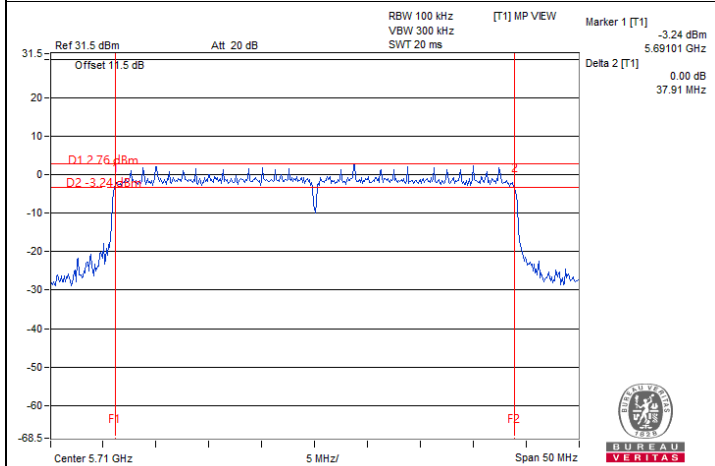
Spectrum Plot of Minimum Value



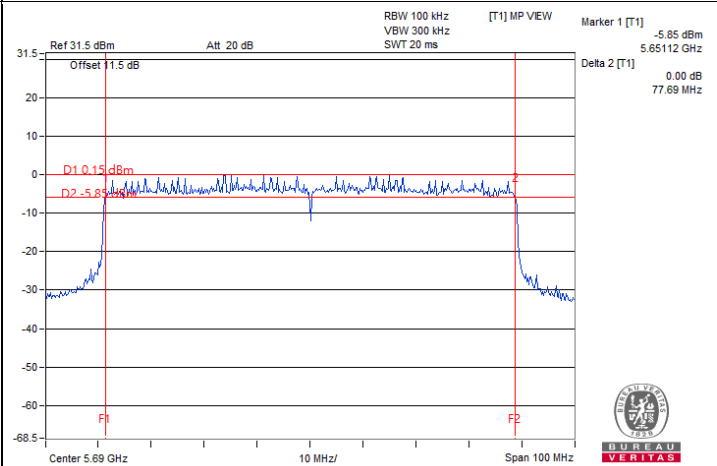
802.11a / Chain 2 : CH 144 (U-NII-3)



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



802.11be (EHT40) / Chain 2 : 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
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	17.28	17.28	17.40	17.40
40	5200	17.28	17.28	17.52	17.40
48	5240	17.28	17.40	17.28	17.52
52	5260	17.40	17.40	17.40	17.52
60	5300	17.40	17.52	17.40	17.52
64	5320	17.40	17.40	17.40	17.64
100	5500	17.52	17.52	17.52	17.52
116	5580	17.28	17.28	17.40	17.64
140	5700	17.04	17.04	17.04	17.04
144 (U-NII-2C)	5720	13.76	13.76	13.88	13.76
144 (U-NII-3)	5720	3.64	3.76	3.76	3.76
149	5745	17.40	17.28	17.40	17.52
157	5785	17.28	17.28	17.40	17.52
165	5825	17.28	17.28	17.40	17.52

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.32	19.20	19.20	19.44
40	5200	19.32	19.20	19.20	19.20
48	5240	19.44	19.32	19.32	19.44
52	5260	19.20	19.32	19.32	19.44
60	5300	19.44	19.32	19.44	19.32
64	5320	19.32	19.20	19.44	19.44
100	5500	19.32	19.20	19.44	19.32
116	5580	19.32	19.44	19.32	19.32
140	5700	19.20	19.20	19.08	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	4.72
149	5745	19.32	19.32	19.32	19.20
157	5785	19.32	19.32	19.32	19.32
165	5825	19.44	19.32	19.32	19.20

802.11be (EHT40)

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

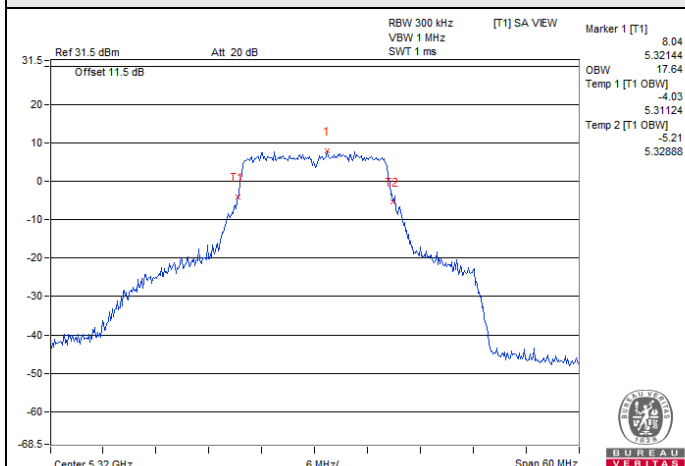
802.11be (EHT80)

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

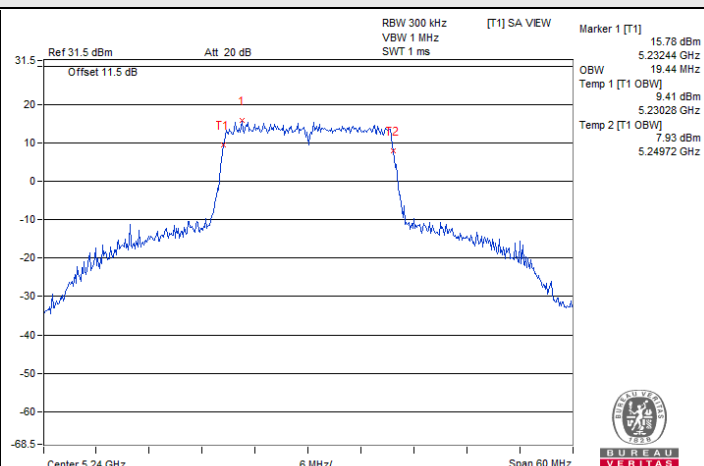
802.11be (EHT160)

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

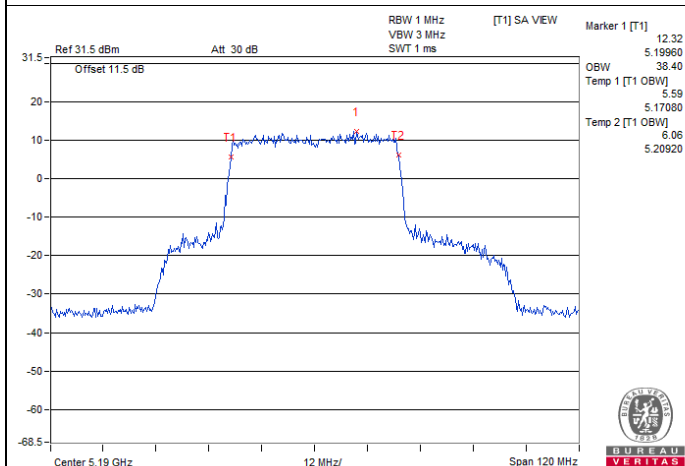
Spectrum Plot of Maximum Value



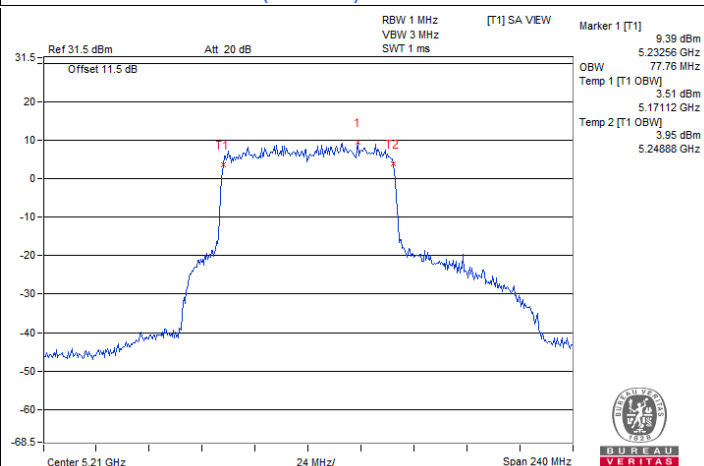
802.11a / Chain 3 : CH 64



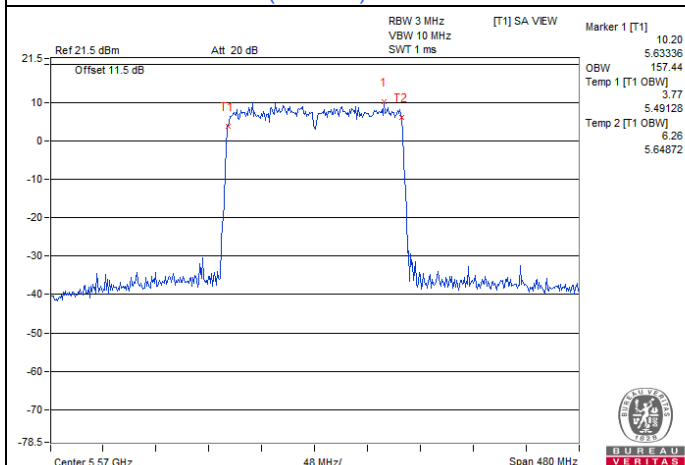
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT40) / Chain 0 : CH 38

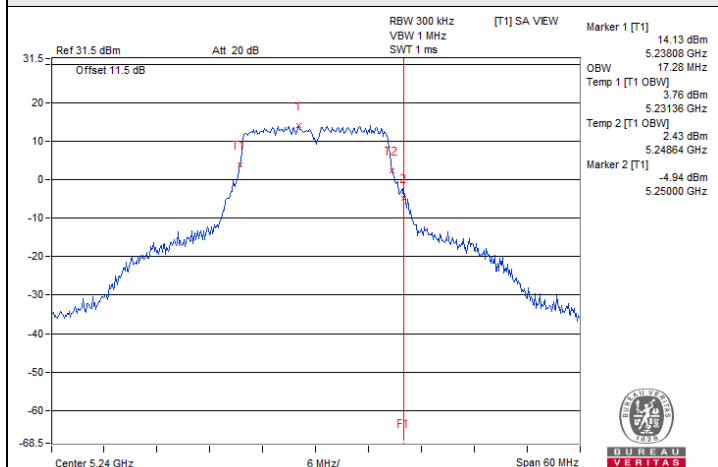


802.11be (EHT80) / Chain 0 : CH 42

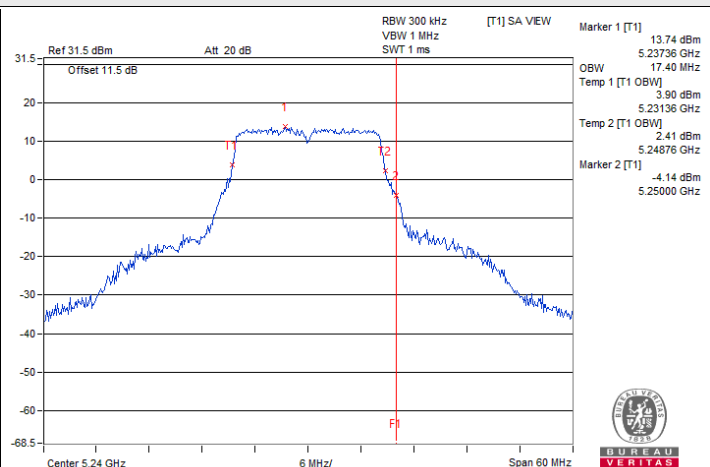


802.11be (EHT160) / Chain 0 : CH 114

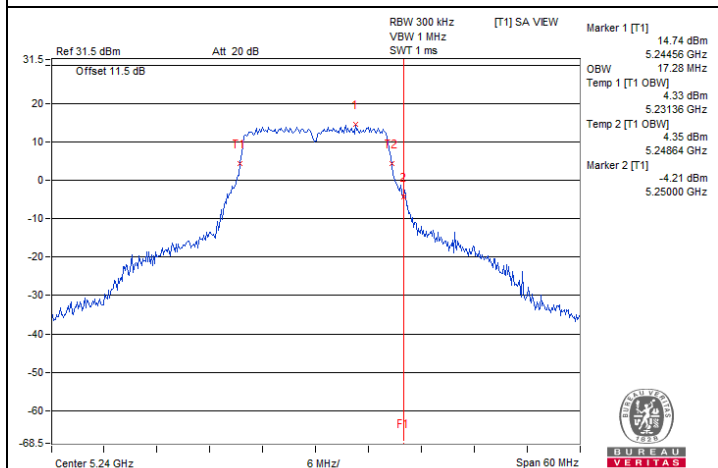
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



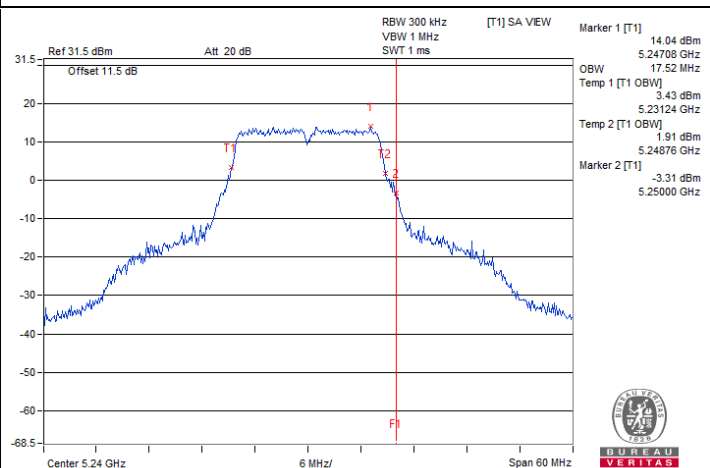
802.11a / Chain 0 : CH 48



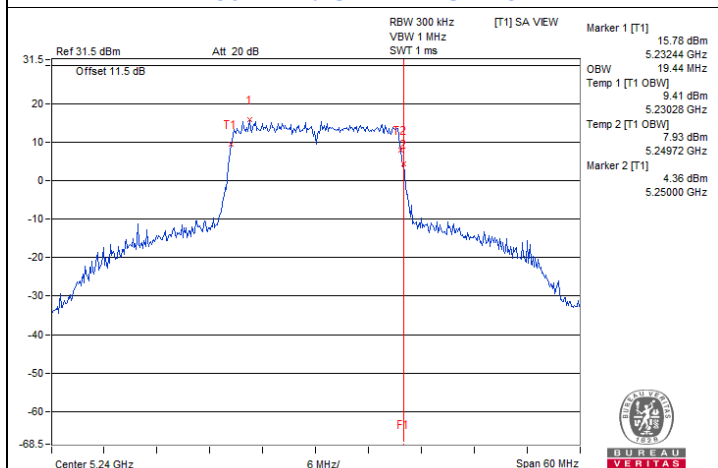
802.11a / Chain 1 : CH 48



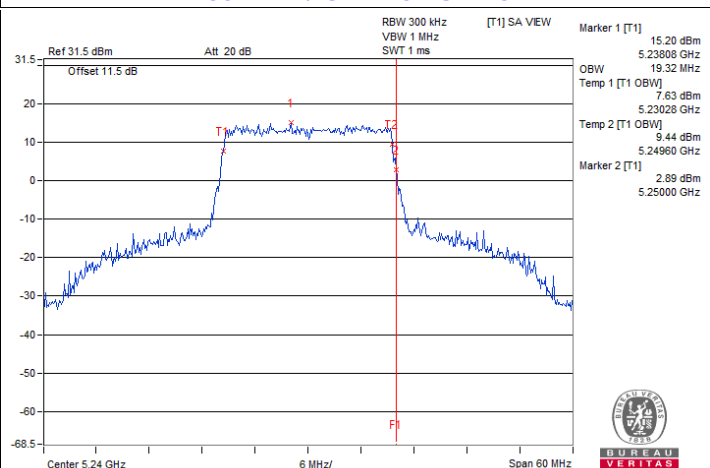
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48

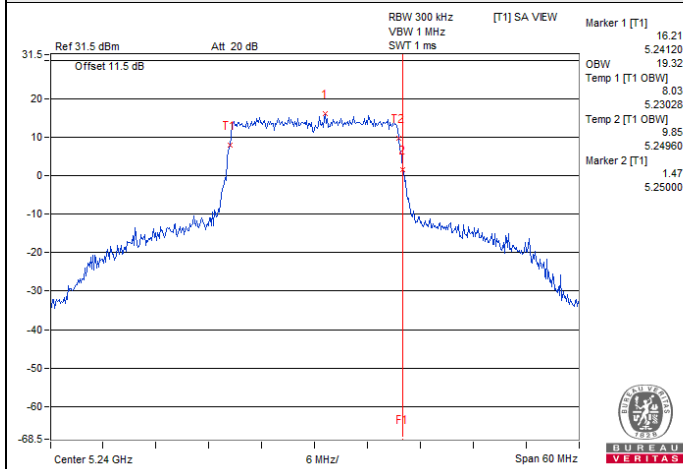


802.11be (EHT20) / Chain 0 : CH 48

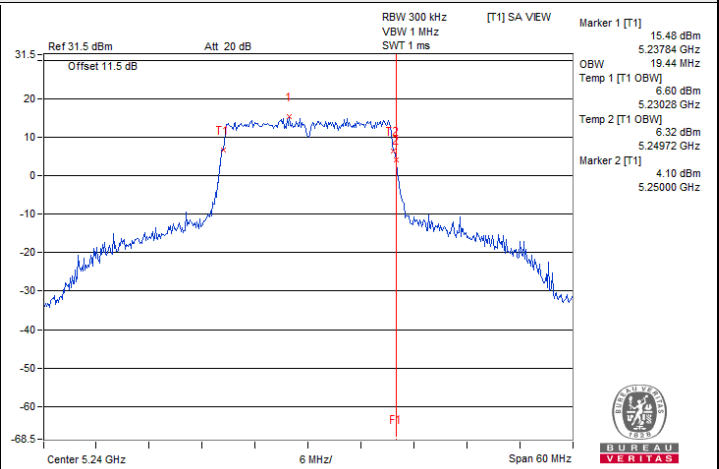


802.11be (EHT20) / Chain 1 : CH 48

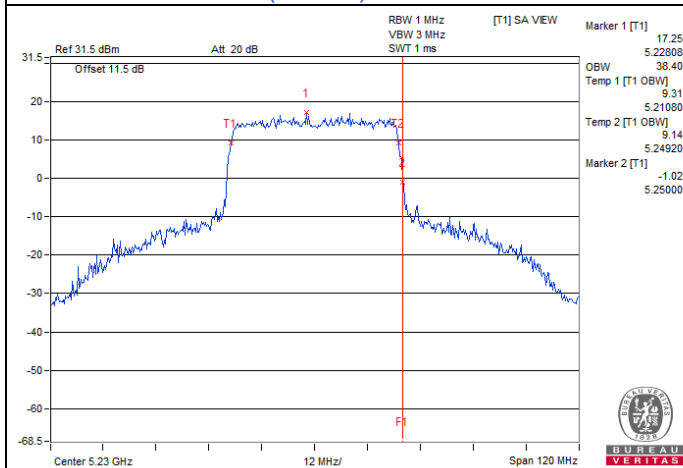
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



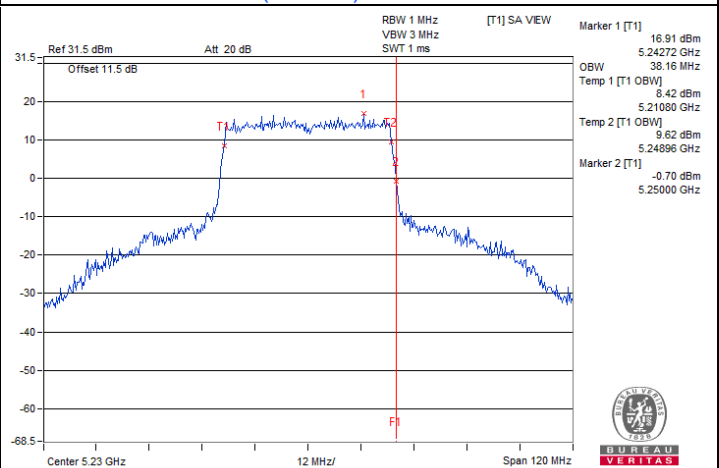
802.11be (EHT20) / Chain 2 : CH 48



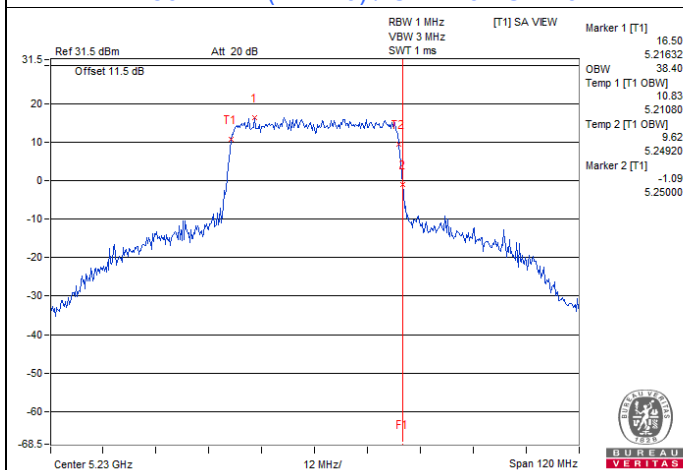
802.11be (EHT20) / Chain 3 : CH 48



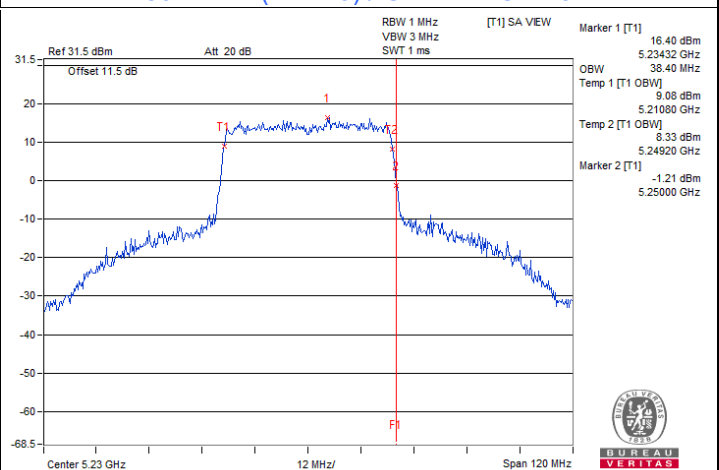
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT40) / Chain 1 : CH 46

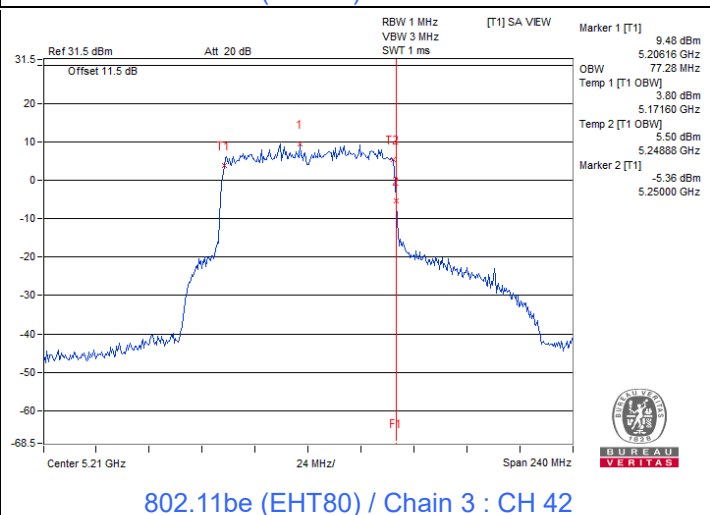
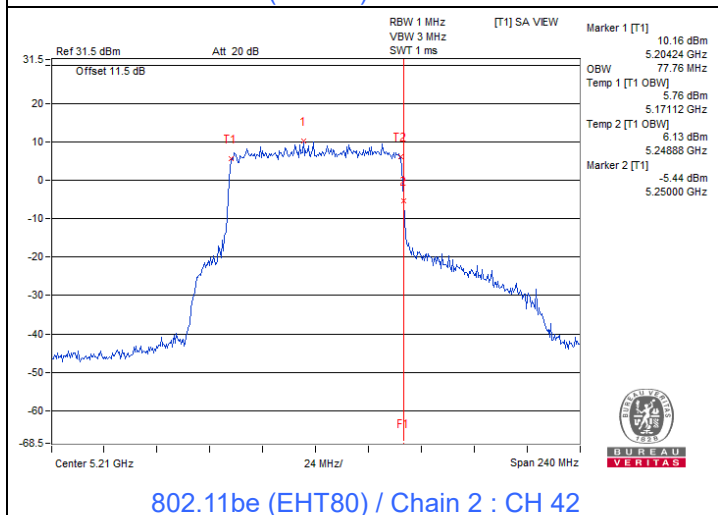
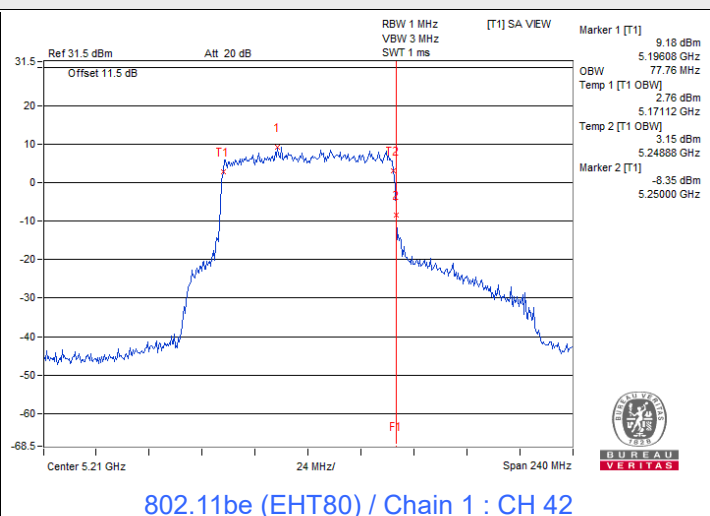
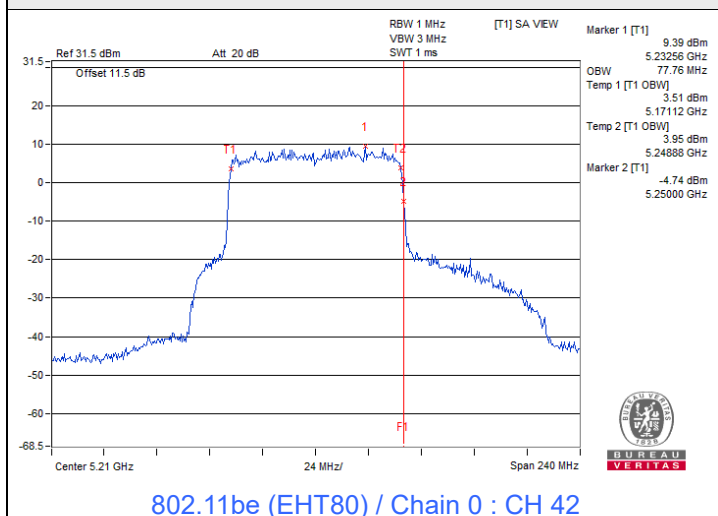


802.11be (EHT40) / Chain 2 : CH 46

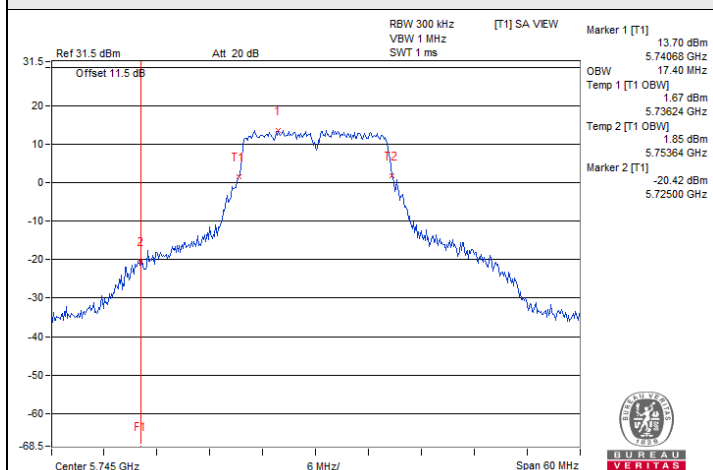


802.11be (EHT40) / Chain 3 : CH 46

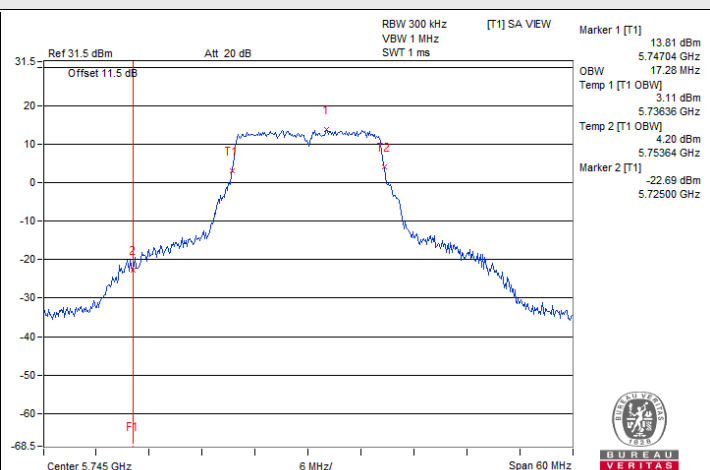
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



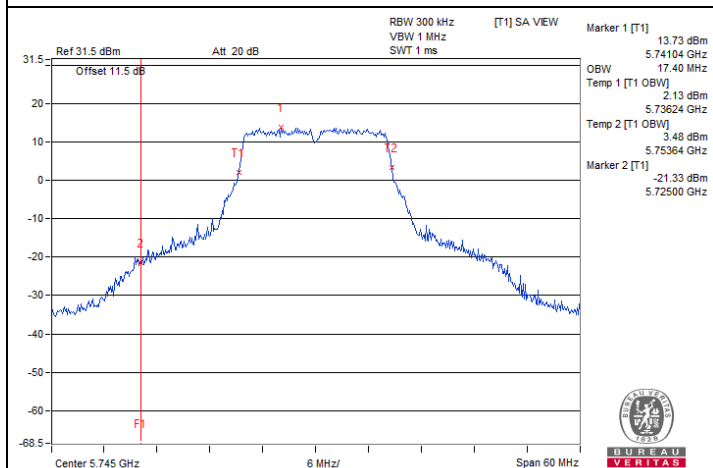
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



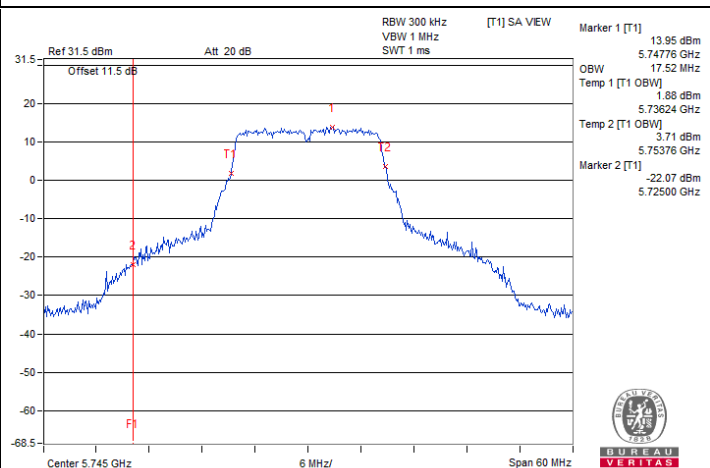
802.11a / Chain 0 : CH 149



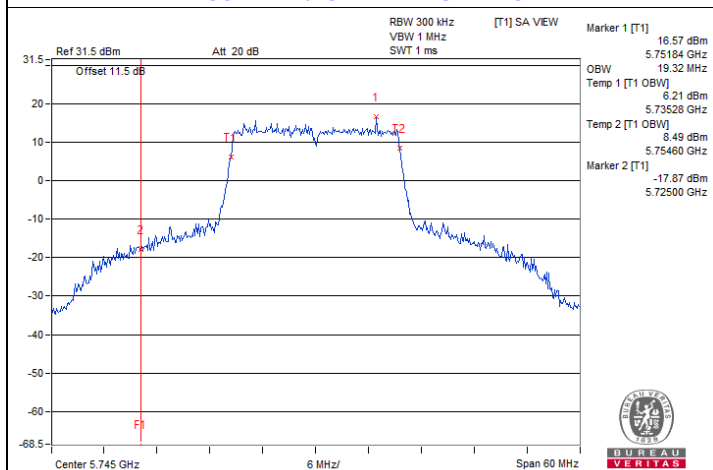
802.11a / Chain 1 : CH 149



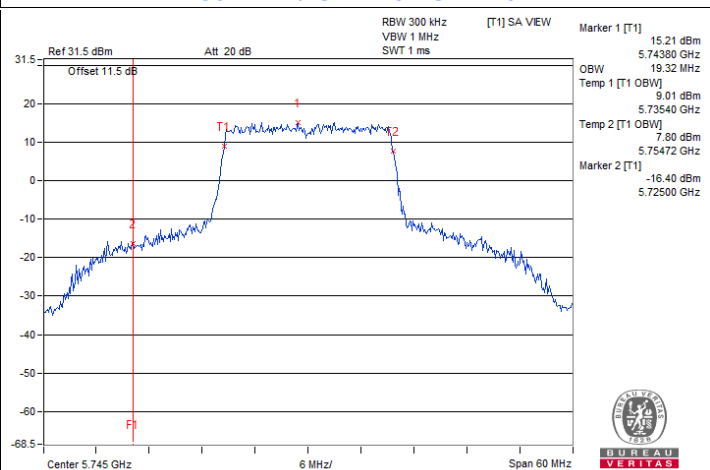
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149

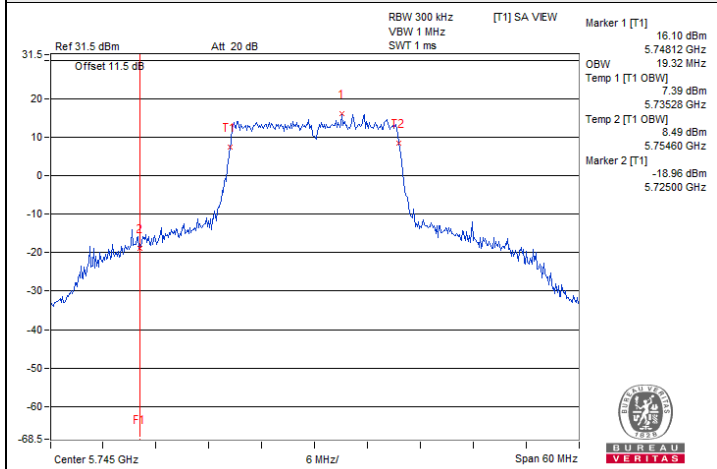


802.11be (EHT20) / Chain 0 : CH 149

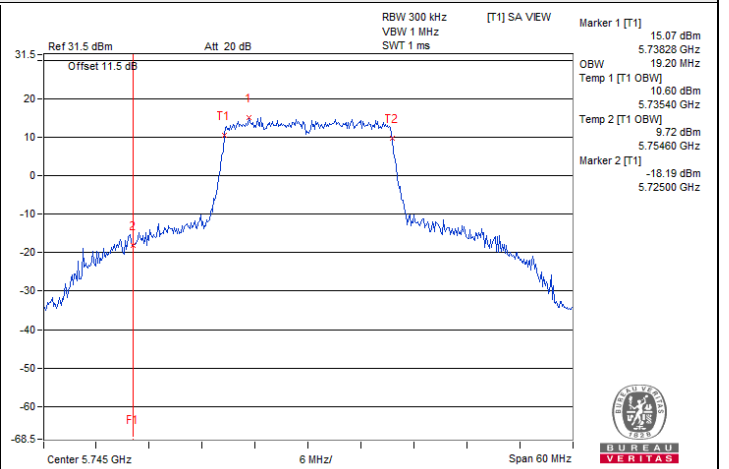


802.11be (EHT20) / Chain 1 : CH 149

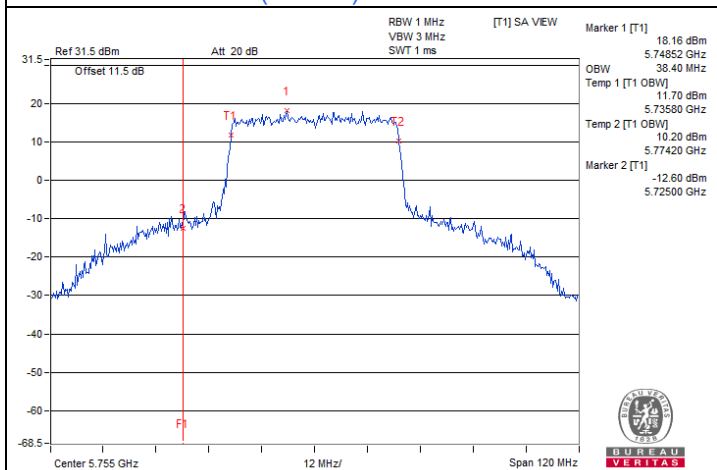
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



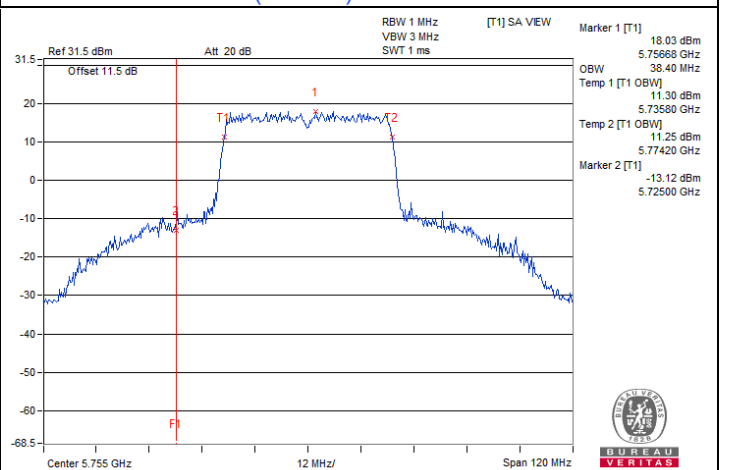
802.11be (EHT20) / Chain 2 : CH 149



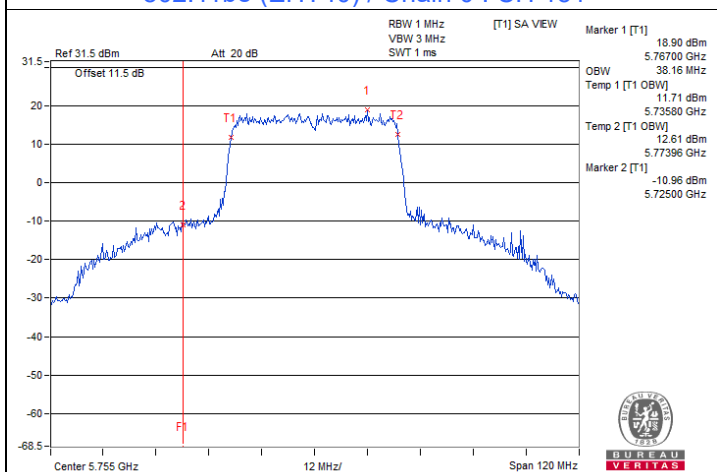
802.11be (EHT20) / Chain 3 : CH 149



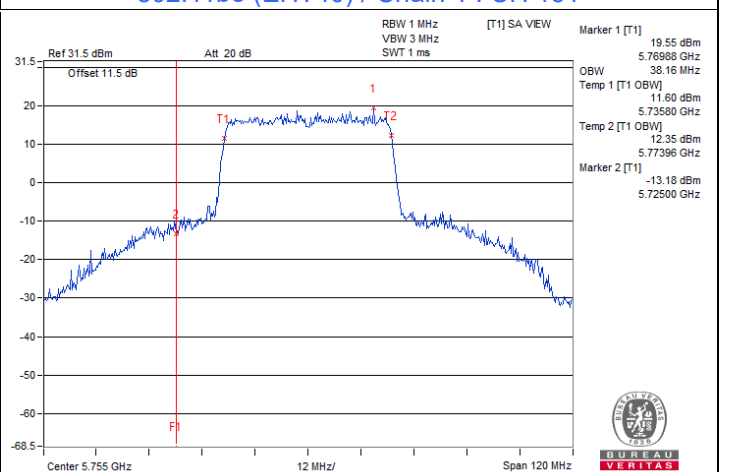
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151

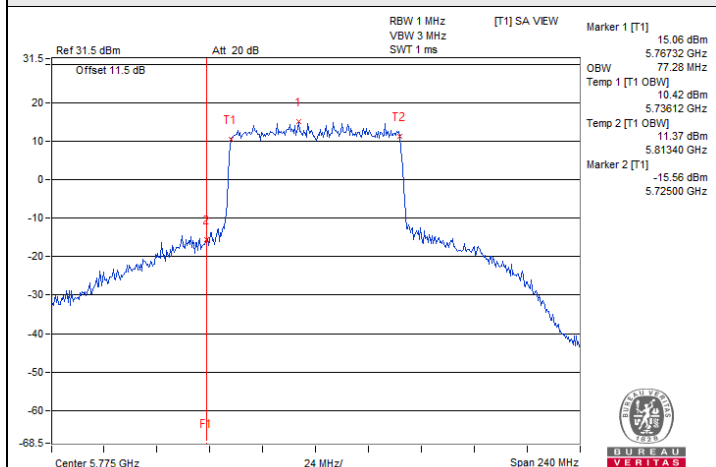


802.11be (EHT40) / Chain 2 : CH 151

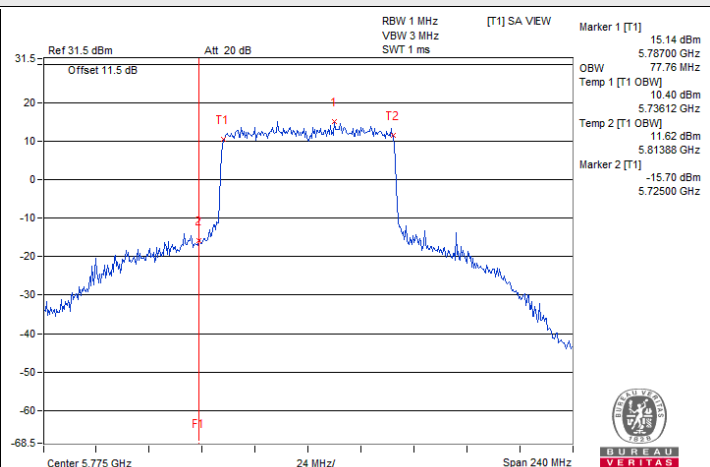


802.11be (EHT40) / Chain 3 : CH 151

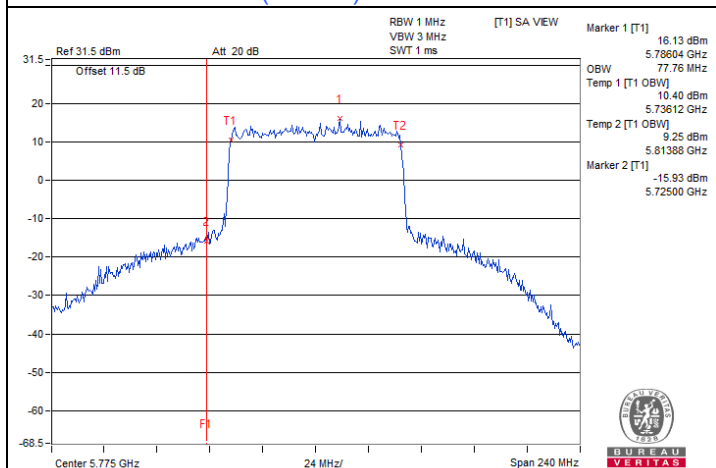
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



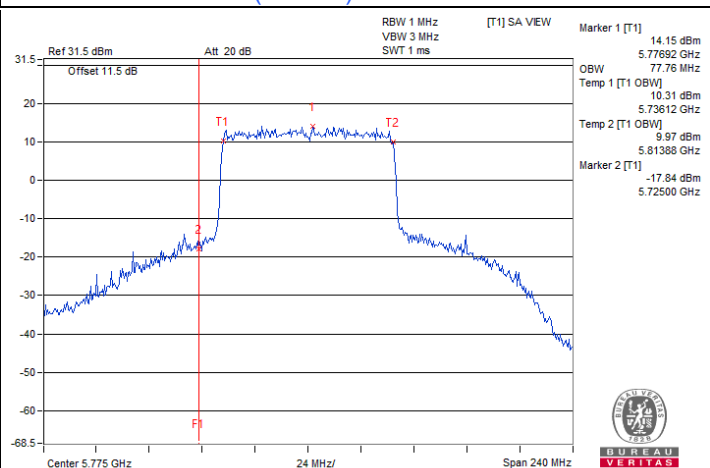
802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155



802.11be (EHT80) / Chain 2 : CH 155



802.11be (EHT80) / Chain 3 : CH 155

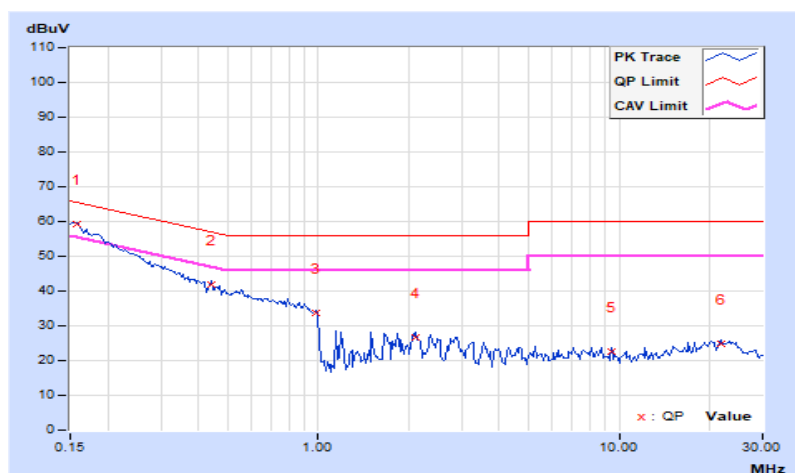
7.6 AC Power Conducted Emissions

RF Mode	802.11a	Channel	CH 40 : 5200 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	49.68	36.74	59.32	46.38	65.58	55.58	-6.26	-9.20
2	0.43906	9.64	32.06	19.28	41.70	28.92	57.08	47.08	-15.38	-18.16
3	0.97813	9.65	23.98	7.72	33.63	17.37	56.00	46.00	-22.37	-28.63
4	2.09766	9.70	16.80	11.23	26.50	20.93	56.00	46.00	-29.50	-25.07
5	9.43750	10.05	12.58	6.86	22.63	16.91	60.00	50.00	-37.37	-33.09
6	21.77344	10.35	14.32	9.92	24.67	20.27	60.00	50.00	-35.33	-29.73

Remarks:

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

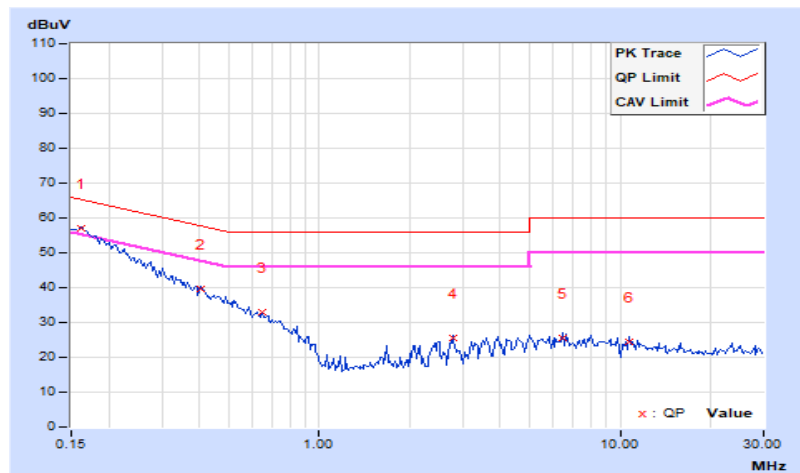


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

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	0.16172	9.63	47.31	28.75	56.94	38.38	65.38	55.38	-8.44	-17.00
2	0.40391	9.61	30.02	20.88	39.63	30.49	57.77	47.77	-18.14	-17.28
3	0.64609	9.63	23.27	12.08	32.90	21.71	56.00	46.00	-23.10	-24.29
4	2.79688	9.73	15.88	10.78	25.61	20.51	56.00	46.00	-30.39	-25.49
5	6.48828	9.90	15.54	8.80	25.44	18.70	60.00	50.00	-34.56	-31.30
6	10.75781	10.09	14.43	9.16	24.52	19.25	60.00	50.00	-35.48	-30.75

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

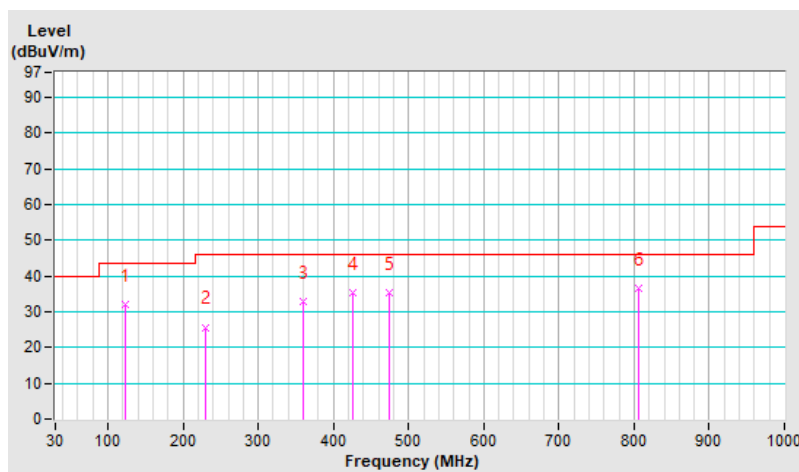
CDD Mode

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 66 % RH
Tested By	Ian Chang		

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	123.32	32.0 QP	43.5	-11.5	1.34 H	62	46.9	-14.9
2	229.59	25.7 QP	46.0	-20.3	1.94 H	134	41.1	-15.4
3	360.00	32.7 QP	46.0	-13.3	2.59 H	211	43.8	-11.1
4	426.66	35.3 QP	46.0	-10.7	3.39 H	303	44.4	-9.1
5	474.96	35.3 QP	46.0	-10.7	3.05 H	264	43.1	-7.8
6	806.31	36.5 QP	46.0	-9.5	1.00 H	0	38.4	-1.9

Remarks:

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

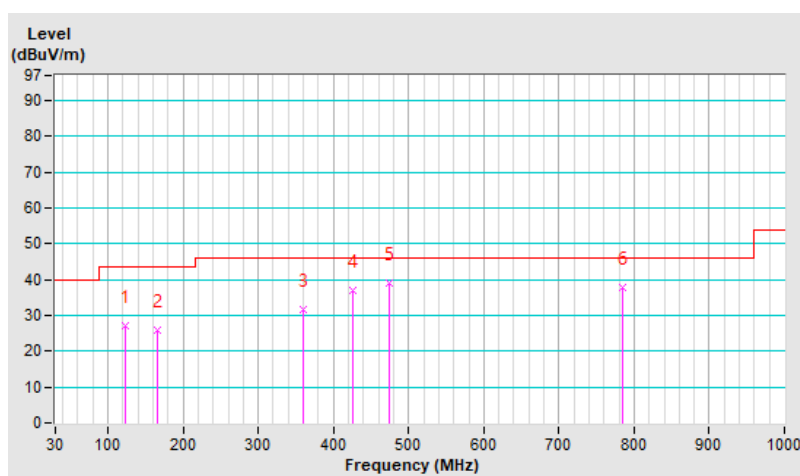


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 66 % RH
Tested By	Ian Chang		

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	122.54	27.0 QP	43.5	-16.5	3.99 V	343	42.0	-15.0
2	165.18	25.9 QP	43.5	-17.6	3.61 V	300	39.0	-13.1
3	358.99	31.8 QP	46.0	-14.2	3.08 V	240	42.9	-11.1
4	425.85	36.8 QP	46.0	-9.2	2.57 V	182	45.9	-9.1
5	473.33	39.0 QP	46.0	-7.0	2.09 V	125	46.8	-7.8
6	784.39	37.8 QP	46.0	-8.2	4.00 V	5	39.8	-2.0

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 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	23 °C, 61 % 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	5150.00	56.2 PK	74.0	-17.8	1.72 H	231	53.4	2.8
2	5150.00	47.8 AV	54.0	-6.2	1.72 H	231	45.0	2.8
3	*5180.00	113.2 PK			1.72 H	231	72.4	40.8
4	*5180.00	107.6 AV			1.72 H	231	66.8	40.8
5	#10360.00	56.2 PK	68.2	-12.0	1.59 H	189	46.8	9.4
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	56.2 PK	74.0	-17.8	2.20 V	270	53.4	2.8
2	5150.00	53.8 AV	54.0	-0.2	2.20 V	270	51.0	2.8
3	*5180.00	121.8 PK			2.20 V	270	81.0	40.8
4	*5180.00	115.4 AV			2.20 V	270	74.6	40.8
5	#10360.00	56.5 PK	68.2	-11.7	2.72 V	133	47.1	9.4

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	23 °C, 61 % 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	5150.00	54.7 PK	74.0	-19.3	1.52 H	324	51.9	2.8
2	5150.00	46.3 AV	54.0	-7.7	1.52 H	324	43.5	2.8
3	*5200.00	115.0 PK			1.52 H	324	74.2	40.8
4	*5200.00	108.7 AV			1.52 H	324	67.9	40.8
5	#10400.00	55.6 PK	68.2	-12.6	1.55 H	192	46.4	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.9 PK	74.0	-11.1	2.04 V	89	60.1	2.8
2	5150.00	53.8 AV	54.0	-0.2	2.04 V	89	51.0	2.8
3	*5200.00	124.8 PK			2.04 V	89	84.0	40.8
4	*5200.00	118.2 AV			2.04 V	89	77.4	40.8
5	#10400.00	57.2 PK	68.2	-11.0	2.74 V	138	48.0	9.2

Remarks:

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

RF Mode	802.11a	Channel	CH 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	23 °C, 61 % 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	*5240.00	117.8 PK			2.34 H	235	77.1	40.7
2	*5240.00	111.6 AV			2.34 H	235	70.9	40.7
3	5400.00	54.6 PK	74.0	-19.4	2.34 H	235	51.9	2.7
4	5400.00	45.3 AV	54.0	-8.7	2.34 H	235	42.6	2.7
5	#10480.00	55.7 PK	68.2	-12.5	1.56 H	197	46.6	9.1
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	*5240.00	123.5 PK			2.38 V	90	82.8	40.7
2	*5240.00	117.7 AV			2.38 V	90	77.0	40.7
3	5400.00	58.2 PK	74.0	-15.8	2.39 V	90	55.5	2.7
4	5400.00	50.0 AV	54.0	-4.0	2.39 V	90	47.3	2.7
5	#10480.00	56.9 PK	68.2	-11.3	2.75 V	126	47.8	9.1

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 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	23 °C, 61 % 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	5150.00	53.0 PK	74.0	-21.0	3.28 H	249	50.2	2.8
2	5150.00	43.8 AV	54.0	-10.2	3.28 H	249	41.0	2.8
3	*5260.00	114.2 PK			3.28 H	249	73.6	40.6
4	*5260.00	106.8 AV			3.28 H	249	66.2	40.6
5	#10520.00	55.7 PK	68.2	-12.5	1.69 H	193	46.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.6 PK	74.0	-21.4	2.17 V	269	49.8	2.8
2	5150.00	44.4 AV	54.0	-9.6	2.17 V	269	41.6	2.8
3	*5260.00	116.9 PK			2.17 V	269	76.3	40.6
4	*5260.00	110.1 AV			2.17 V	269	69.5	40.6
5	#10520.00	56.6 PK	68.2	-11.6	2.49 V	128	47.5	9.1

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 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	23 °C, 61 % 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	*5300.00	111.8 PK			2.78 H	254	71.4	40.4
2	*5300.00	104.9 AV			2.78 H	254	64.5	40.4
3	10600.00	56.0 PK	74.0	-18.0	1.62 H	187	47.0	9.0
4	10600.00	45.8 AV	54.0	-8.2	1.62 H	187	36.8	9.0
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	*5300.00	116.3 PK			2.15 V	282	75.9	40.4
2	*5300.00	109.3 AV			2.15 V	282	68.9	40.4
3	10600.00	56.6 PK	74.0	-17.4	2.55 V	133	47.6	9.0
4	10600.00	46.5 AV	54.0	-7.5	2.55 V	133	37.5	9.0

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.

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	23 °C, 61 % 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	*5320.00	112.0 PK			3.63 H	299	71.6	40.4
2	*5320.00	105.3 AV			3.63 H	299	64.9	40.4
3	5350.00	53.9 PK	74.0	-20.1	3.63 H	299	51.3	2.6
4	5350.00	44.6 AV	54.0	-9.4	3.63 H	299	42.0	2.6
5	10620.00	55.7 PK	74.0	-18.3	1.66 H	181	46.8	8.9
6	10620.00	45.5 AV	54.0	-8.5	1.66 H	181	36.6	8.9
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	*5320.00	116.4 PK			2.26 V	280	76.0	40.4
2	*5320.00	108.7 AV			2.26 V	280	68.3	40.4
3	5350.00	58.7 PK	74.0	-15.3	2.26 V	280	56.1	2.6
4	5350.00	47.6 AV	54.0	-6.4	2.26 V	280	45.0	2.6
5	10620.00	56.4 PK	74.0	-17.6	2.51 V	138	47.5	8.9
6	10620.00	46.3 AV	54.0	-7.7	2.51 V	138	37.4	8.9

Remarks:

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

RF Mode	802.11a	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	23 °C, 61 % 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	5460.00	53.8 PK	74.0	-20.2	3.13 H	315	51.0	2.8
2	5460.00	44.9 AV	54.0	-9.1	3.13 H	315	42.1	2.8
3	#5470.00	54.9 PK	68.2	-13.3	3.13 H	315	52.0	2.9
4	*5500.00	112.6 PK			3.13 H	315	71.6	41.0
5	*5500.00	106.2 AV			3.13 H	315	65.2	41.0
6	11000.00	56.0 PK	74.0	-18.0	1.57 H	179	47.0	9.0
7	11000.00	46.0 AV	54.0	-8.0	1.57 H	179	37.0	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.7 PK	74.0	-14.3	2.15 V	243	56.9	2.8
2	5460.00	47.8 AV	54.0	-6.2	2.15 V	243	45.0	2.8
3	#5470.00	60.1 PK	68.2	-8.1	2.15 V	243	57.2	2.9
4	*5500.00	117.4 PK			2.15 V	243	76.4	41.0
5	*5500.00	109.4 AV			2.15 V	243	68.4	41.0
6	11000.00	56.8 PK	74.0	-17.2	2.73 V	140	47.8	9.0
7	11000.00	46.6 AV	54.0	-7.4	2.73 V	140	37.6	9.0

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 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	23 °C, 61 % 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	*5580.00	113.3 PK			3.10 H	311	72.0	41.3
2	*5580.00	106.8 AV			3.10 H	311	65.5	41.3
3	11160.00	56.7 PK	74.0	-17.3	1.60 H	174	47.2	9.5
4	11160.00	46.6 AV	54.0	-7.4	1.60 H	174	37.1	9.5
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	*5580.00	117.4 PK			2.15 V	243	76.1	41.3
2	*5580.00	110.3 AV			2.15 V	243	69.0	41.3
3	11160.00	57.4 PK	74.0	-16.6	2.73 V	134	47.9	9.5
4	11160.00	47.0 AV	54.0	-7.0	2.73 V	134	37.5	9.5

Remarks:

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

RF Mode	802.11a	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	23 °C, 61 % 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	*5700.00	112.0 PK			3.49 H	314	70.0	42.0
2	*5700.00	105.2 AV			3.49 H	314	63.2	42.0
3	#5725.00	62.8 PK	68.2	-5.4	3.49 H	349	58.5	4.3
4	11400.00	56.6 PK	74.0	-17.4	1.60 H	183	47.0	9.6
5	11400.00	46.7 AV	54.0	-7.3	1.60 H	183	37.1	9.6
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	*5700.00	118.2 PK			2.14 V	259	76.2	42.0
2	*5700.00	110.9 AV			2.14 V	259	68.9	42.0
3	#5725.00	64.3 PK	68.2	-3.9	2.14 V	259	60.0	4.3
4	11400.00	57.1 PK	74.0	-16.9	2.74 V	138	47.5	9.6
5	11400.00	47.2 AV	54.0	-6.8	2.74 V	138	37.6	9.6

Remarks:

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

RF Mode	802.11a	Channel	CH 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	23 °C, 61 % 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	#5470.00	52.5 PK	68.2	-15.7	3.46 H	315	49.6	2.9
2	*5720.00	112.3 PK			3.46 H	315	70.2	42.1
3	*5720.00	106.1 AV			3.46 H	315	64.0	42.1
4	#5850.00	54.2 PK	68.2	-14.0	3.46 H	315	49.5	4.7
5	11440.00	57.0 PK	74.0	-17.0	1.55 H	182	47.3	9.7
6	11440.00	46.9 AV	54.0	-7.1	1.55 H	182	37.2	9.7
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	#5470.00	53.6 PK	68.2	-14.6	1.73 V	261	50.7	2.9
2	*5720.00	117.8 PK			1.73 V	261	75.7	42.1
3	*5720.00	110.8 AV			1.73 V	261	68.7	42.1
4	#5850.00	55.7 PK	68.2	-12.5	1.73 V	261	51.0	4.7
5	11440.00	57.5 PK	74.0	-16.5	2.73 V	140	47.8	9.7
6	11440.00	47.3 AV	54.0	-6.7	2.73 V	140	37.6	9.7

Remarks:

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

RF Mode	802.11a	Channel	CH 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	23 °C, 61 % 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	#5607.60	58.2 PK	68.2	-10.0	4.00 H	316	54.8	3.4
2	*5745.00	119.5 PK			4.00 H	316	77.2	42.3
3	*5745.00	112.9 AV			4.00 H	316	70.6	42.3
4	#5936.40	58.0 PK	68.2	-10.2	4.00 H	316	53.5	4.5
5	11490.00	59.3 PK	74.0	-14.7	1.42 H	360	49.6	9.7
6	11490.00	50.7 AV	54.0	-3.3	1.42 H	360	41.0	9.7
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	#5627.60	59.1 PK	68.2	-9.1	2.02 V	260	55.5	3.6
2	*5745.00	124.7 PK			2.02 V	260	82.4	42.3
3	*5745.00	117.1 AV			2.02 V	260	74.8	42.3
4	#5938.40	58.4 PK	68.2	-9.8	2.02 V	260	53.9	4.5
5	11490.00	62.2 PK	74.0	-11.8	2.98 V	27	52.5	9.7
6	11490.00	52.6 AV	54.0	-1.4	2.98 V	27	42.9	9.7

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 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	23 °C, 61 % 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	#5624.40	58.6 PK	68.2	-9.6	3.56 H	314	55.1	3.5
2	*5785.00	119.9 PK			3.56 H	314	77.5	42.4
3	*5785.00	113.4 AV			3.56 H	314	71.0	42.4
4	#5962.80	58.2 PK	68.2	-10.0	3.56 H	314	53.8	4.4
5	11570.00	59.1 PK	74.0	-14.9	1.51 H	359	49.7	9.4
6	11570.00	50.6 AV	54.0	-3.4	1.51 H	359	41.2	9.4
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	#5629.60	60.0 PK	68.2	-8.2	2.13 V	260	56.4	3.6
2	*5785.00	123.9 PK			2.13 V	260	81.5	42.4
3	*5785.00	116.9 AV			2.13 V	260	74.5	42.4
4	#5962.40	57.4 PK	68.2	-10.8	2.13 V	260	53.0	4.4
5	11570.00	62.3 PK	74.0	-11.7	3.00 V	31	52.9	9.4
6	11570.00	52.5 AV	54.0	-1.5	3.00 V	31	43.1	9.4

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 61 % 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	#5642.00	58.2 PK	68.2	-10.0	3.51 H	310	54.3	3.9
2	*5825.00	116.7 PK			3.51 H	310	74.2	42.5
3	*5825.00	109.9 AV			3.51 H	310	67.4	42.5
4	#5934.00	58.2 PK	68.2	-10.0	3.51 H	310	53.7	4.5
5	11650.00	59.6 PK	74.0	-14.4	1.55 H	355	50.0	9.6
6	11650.00	51.2 AV	54.0	-2.8	1.55 H	355	41.6	9.6
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	#5614.00	59.0 PK	68.2	-9.2	2.10 V	260	55.5	3.5
2	*5825.00	123.5 PK			2.10 V	260	81.0	42.5
3	*5825.00	116.5 AV			2.10 V	260	74.0	42.5
4	#5934.00	59.0 PK	68.2	-9.2	2.10 V	260	54.5	4.5
5	11650.00	62.4 PK	74.0	-11.6	3.02 V	30	52.8	9.6
6	11650.00	52.6 AV	54.0	-1.4	3.02 V	30	43.0	9.6

Remarks:

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

RF Mode	802.11be (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	23 °C, 61 % 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	5150.00	58.4 PK	74.0	-15.6	2.90 H	289	55.6	2.8
2	5150.00	50.5 AV	54.0	-3.5	2.90 H	289	47.7	2.8
3	*5180.00	113.2 PK			2.90 H	289	72.4	40.8
4	*5180.00	106.2 AV			2.90 H	289	65.4	40.8
5	#10360.00	56.0 PK	68.2	-12.2	1.55 H	182	46.6	9.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.5 PK	74.0	-11.5	2.14 V	269	59.7	2.8
2	5150.00	53.8 AV	54.0	-0.2	2.14 V	269	51.0	2.8
3	*5180.00	120.1 PK			2.14 V	269	79.3	40.8
4	*5180.00	112.0 AV			2.14 V	269	71.2	40.8
5	#10360.00	56.8 PK	68.2	-11.4	2.77 V	132	47.4	9.4

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	23 °C, 61 % 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	5150.00	57.3 PK	74.0	-16.7	2.87 H	290	54.5	2.8
2	5150.00	48.2 AV	54.0	-5.8	2.87 H	290	45.4	2.8
3	*5200.00	116.2 PK			2.87 H	290	75.4	40.8
4	*5200.00	108.2 AV			2.87 H	290	67.4	40.8
5	#10400.00	55.9 PK	68.2	-12.3	1.55 H	183	46.7	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.0 PK	74.0	-10.0	2.28 V	87	61.2	2.8
2	5150.00	53.9 AV	54.0	-0.1	2.28 V	87	51.1	2.8
3	*5200.00	122.3 PK			2.28 V	87	81.5	40.8
4	*5200.00	114.2 AV			2.28 V	87	73.4	40.8
5	#10400.00	57.1 PK	68.2	-11.1	2.69 V	143	47.9	9.2

Remarks:

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

RF Mode	802.11be (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	23 °C, 61 % 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	*5240.00	118.8 PK			2.97 H	256	78.1	40.7
2	*5240.00	111.5 AV			2.97 H	256	70.8	40.7
3	5400.00	55.1 PK	74.0	-18.9	2.97 H	256	52.4	2.7
4	5400.00	46.9 AV	54.0	-7.1	2.97 H	256	44.2	2.7
5	#10480.00	56.7 PK	68.2	-11.5	1.56 H	277	47.6	9.1
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	*5240.00	123.6 PK			2.10 V	89	82.9	40.7
2	*5240.00	116.0 AV			2.10 V	89	75.3	40.7
3	5400.00	58.0 PK	74.0	-16.0	2.10 V	89	55.3	2.7
4	5400.00	50.5 AV	54.0	-3.5	2.10 V	89	47.8	2.7
5	#10480.00	56.9 PK	68.2	-11.3	2.75 V	138	47.8	9.1

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	802.11be (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	23 °C, 61 % 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	5150.00	51.8 PK	74.0	-22.2	2.99 H	255	49.0	2.8
2	5150.00	44.0 AV	54.0	-10.0	2.99 H	255	41.2	2.8
3	*5260.00	114.6 PK			2.99 H	255	74.0	40.6
4	*5260.00	106.5 AV			2.99 H	255	65.9	40.6
5	#10520.00	55.9 PK	68.2	-12.3	1.67 H	182	46.8	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.0 PK	74.0	-19.0	2.22 V	271	52.2	2.8
2	5150.00	44.8 AV	54.0	-9.2	2.22 V	271	42.0	2.8
3	*5260.00	116.1 PK			2.22 V	270	75.5	40.6
4	*5260.00	109.3 AV			2.22 V	270	68.7	40.6
5	#10520.00	56.6 PK	68.2	-11.6	2.48 V	132	47.5	9.1

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	802.11be (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	23 °C, 61 % 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	*5300.00	115.1 PK			2.90 H	257	74.7	40.4
2	*5300.00	105.4 AV			2.90 H	257	65.0	40.4
3	10600.00	55.8 PK	74.0	-18.2	1.72 H	190	46.8	9.0
4	10600.00	46.1 AV	54.0	-7.9	1.72 H	190	37.1	9.0
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	*5300.00	116.4 PK			2.18 V	271	76.0	40.4
2	*5300.00	107.6 AV			2.18 V	271	67.2	40.4
3	10600.00	56.5 PK	74.0	-17.5	2.50 V	136	47.5	9.0
4	10600.00	46.2 AV	54.0	-7.8	2.50 V	136	37.2	9.0

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.

RF Mode	802.11be (EHT20)	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	23 °C, 61 % 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	*5320.00	115.2 PK			3.29 H	249	74.8	40.4
2	*5320.00	104.9 AV			3.29 H	249	64.5	40.4
3	5350.00	58.6 PK	74.0	-15.4	3.29 H	249	56.0	2.6
4	5350.00	47.2 AV	54.0	-6.8	3.29 H	249	44.6	2.6
5	10640.00	55.8 PK	74.0	-18.2	1.73 H	182	46.8	9.0
6	10640.00	46.1 AV	54.0	-7.9	1.73 H	182	37.1	9.0
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	*5320.00	120.2 PK			1.75 V	258	79.8	40.4
2	*5320.00	110.3 AV			1.75 V	258	69.9	40.4
3	5350.00	64.2 PK	74.0	-9.8	1.75 V	258	61.6	2.6
4	5350.00	53.1 AV	54.0	-0.9	1.75 V	258	50.5	2.6
5	10640.00	56.6 PK	74.0	-17.4	2.51 V	137	47.6	9.0
6	10640.00	46.2 AV	54.0	-7.8	2.51 V	137	37.2	9.0

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.

RF Mode	802.11be (EHT20)	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	23 °C, 61 % 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	5460.00	55.3 PK	74.0	-18.7	3.12 H	316	52.5	2.8
2	5460.00	46.3 AV	54.0	-7.7	3.12 H	316	43.5	2.8
3	#5470.00	57.4 PK	68.2	-10.8	3.12 H	316	54.5	2.9
4	*5500.00	114.4 PK			3.12 H	316	73.4	41.0
5	*5500.00	105.3 AV			3.12 H	316	64.3	41.0
6	11000.00	56.4 PK	74.0	-17.6	1.62 H	174	47.4	9.0
7	11000.00	46.2 AV	54.0	-7.8	1.62 H	174	37.2	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	1.70 V	257	58.2	2.8
2	5460.00	50.8 AV	54.0	-3.2	1.70 V	257	48.0	2.8
3	#5470.00	62.2 PK	68.2	-6.0	1.70 V	257	59.3	2.9
4	*5500.00	119.0 PK			1.70 V	257	78.0	41.0
5	*5500.00	109.8 AV			1.70 V	257	68.8	41.0
6	11000.00	56.6 PK	74.0	-17.4	2.75 V	135	47.6	9.0
7	11000.00	46.5 AV	54.0	-7.5	2.75 V	135	37.5	9.0

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.