

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBBQZ-WTW-P24040119-1
FCC ID: PY324100619
Product: Orbi 11BE WiFi 7 Tri-band Router & Orbi 11BE WiFi 7 Tri-band Satellite
(Refer to item 3.1 for the more details)
Brand: NETGEAR
Model No.: RBE871
Series Model: RBE870 (Refer to item 3.1 for the more details)
Received Date: 2024/4/8
Test Date: 2024/4/10 ~ 2024/9/25
Issued Date: 2024/10/29

Applicant and Manufacturer: NETGEAR, INC.

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

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Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan

FCC Registration / 788550 / TW0003

Designation Number:

Approved by: Jeremy Lin, **Date:** 2024/10/29
Jeremy Lin / Project Engineer

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Prepared by : Vera Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P24040119-1	Original Release	2024/10/29

1 Certificate

Product: Orbi 11BE WiFi 7 Tri-band Router & Orbi 11BE WiFi 7 Tri-band Satellite
(Refer to item 3.1 for the more details)

Brand: NETGEAR

Test Model: RBE871

Series Model: RBE870 (Refer to item 3.1 for the more details)

Sample Status: Engineering sample

Applicant and Manufacturer: NETGEAR, INC.

Test Date: 2024/4/10 ~ 2024/9/25

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 -10.26 dB at 0.44999 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.6 dB at 59.52 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 5133.90 and 5150.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. 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	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.64 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Orbi 11BE WiFi 7 Tri-band Router & Orbi 11BE WiFi 7 Tri-band Satellite
Brand	NETGEAR
Test Model	RBE871
Series Model	RBE870
Model Difference	Refer to Note
Status of EUT	Engineering sample
Power Supply Rating	Refer to Note as below
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode 4096QAM for OFDMA in 11be EHT mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 600 Mbps 802.11ac: up to 3466.7 Mbps 802.11ax: up to 4803.9 Mbps 802.11be: up to 8647 Mbps
Operating Frequency	5180 ~ 5320 MHz 5500 ~ 5720 MHz 5745 ~ 5825 MHz
Number of Channel	5180 ~ 5320 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 4 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 2 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 1 5500 ~ 5720 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 6 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 3 802.11ac (VHT160), 802.11ax (HE160), 802.11 be (EHT160): 1 802.11 be (EHT240): 1 5745 ~ 5825 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11 be (EHT40): 2 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 1
Output Power	5.18 GHz ~ 5.25 GHz : 848.888 mW (29.29 dBm) 5.26 GHz ~ 5.32 GHz : 212.765 mW (23.28 dBm) 5.5 GHz ~ 5.72 GHz : 213.112 mW (23.29 dBm) 5.745 GHz ~ 5.825 GHz : 845.592 mW (29.27 dBm)
EUT Category	Indoor Access Point

Note:

1. All models are listed as below.

Brand	Product	Model	Difference
NETGEAR	Orbi 11BE WiFi 7 Tri-band Router	RBE871	DFS Function: Master With 10G Internet port*1, Lan port*4
	Orbi 11BE WiFi 7 Tri-band Satellite	RBE870	DFS Function: Master & Client (Easy Mesh) With Lan port*4

2. The EUT uses following accessories.

Item	Brand	Model	Part Number	Specification
AC Adapter 1	NETGEAR	2AEJ042FC-VII	332-11727-01 (white) & 332-11726-01 (black)	AC Input : 100-240V 50-60Hz 1.3A DC Output : 12.0V 3.5A 42.0W DC Output Cable : 1.83M / 0core Plug : US/EU/UK/AU Manufacturer : CWT
AC Adapter 2	NETGEAR	ADS-45FIC-12N 12042E	332-11729-01 (white) & 332-11728-01 (black)	AC Input : 100-240V 50/60Hz 1.5A DC Output : 12.0V 3.5A 42.0W DC Output Cable : 1.82M / 0core Plug : US/EU/UK/AU Manufacturer : HNR
AC Adapter 3	NETGEAR	AD2150F10	332-11093-02	AC Input : 100-120V 50/60Hz 1.0A DC Output : 12.0V 3.5A DC Output Cable : 1.8M / 0core Plug : US Manufacturer : PI ELETRONICS (VIETNAM) COMPANY LIMITED
AC Adapter 4	NETGEAR	AD2150M20	332-11099-06	AC Input : 100-240V 50/60Hz 1.0A DC Output : 12.0V 3.5A 42.0W DC Output Cable : 1.8M / 0core Plug : US/EU/AU Manufacturer : PI ELETRONICS (VIETNAM) COMPANY LIMITED
Ethernet Cable	NETGEAR	N/A	-	Signal Line : 0.95M

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type	Connector Type	Frequency Range	Antenna Gain (dBi)			
			Chain 0	Chain 1	Chain 2	Chain 3
Dipole	ipex(MHF)	5150~5250 MHz	3.08	2.53	2.67	1.62
Dipole	ipex(MHF)	5250~5350 MHz	3.38	2.85	3.67	2.21
Dipole	ipex(MHF)	5470~5725 MHz	3.25	2.95	3.76	2.70
Dipole	ipex(MHF)	5725~5850 MHz	3.72	3.07	3.47	2.76

* The detailed antenna information, please refer to the BV CPS Directional Gain Measurement Report no.: RFBBQZ-WTW-P24040119-6.

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
802.11be (EHT240)	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, 240 MHz), therefore the manufacturer will control the power for 802.11n/ac/ax mode is same as the 802.11be mode or more lower than it and investigated worst case to 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 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
114	5570 MHz

1 straddle channel is provided for 802.11be (EHT240):

Channel	Frequency
114+138	5610 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:	Pre-scan AC Adapter 1 / AC Adapter 2 / AC Adapter 3 / AC Adapter 4 and find the worst case as a representative test condition.
Worst Case:	1. AC Adapter Worst Condition: AC Adapter 1 2. The EUT is usually used standing that and was therefore chosen for Unwanted Emissions.

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	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
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
RF Output Power	A	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
		802.11be (EHT240)	CDD & Beamforming	114+138	BPSK	MCS0
Power Spectral Density	A	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
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
6 dB Bandwidth	A	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
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Occupied Bandwidth	A	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
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
AC Power Conducted Emissions	A, B	802.11a	CDD	157	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B	802.11a	CDD	157	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	A	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
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
EUT Configure Mode:	A	EUT (Model: RBE871) powered by Adapter 1				
	B	EUT (Model: RBE870) powered by Adapter 1				

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = $1.985 \text{ ms} / 1.99 \text{ ms} \times 100\% = 99.7\%$

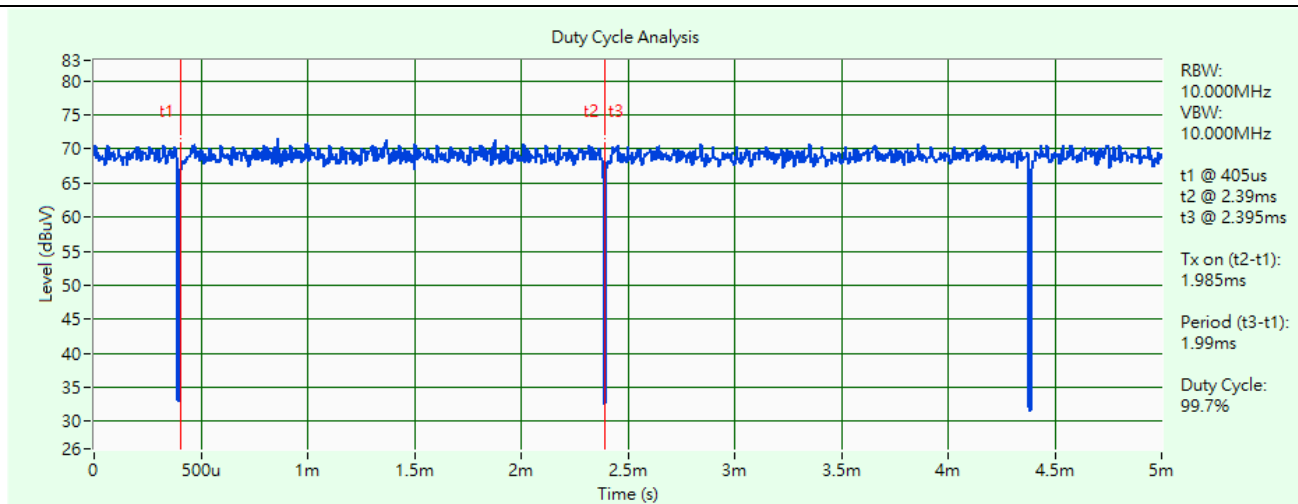
802.11be (EHT20): Duty cycle = $100 \text{ ms} / 100 \text{ ms} \times 100\% = 100.0\%$

802.11be (EHT40): Duty cycle = $100 \text{ ms} / 100 \text{ ms} \times 100\% = 100.0\%$

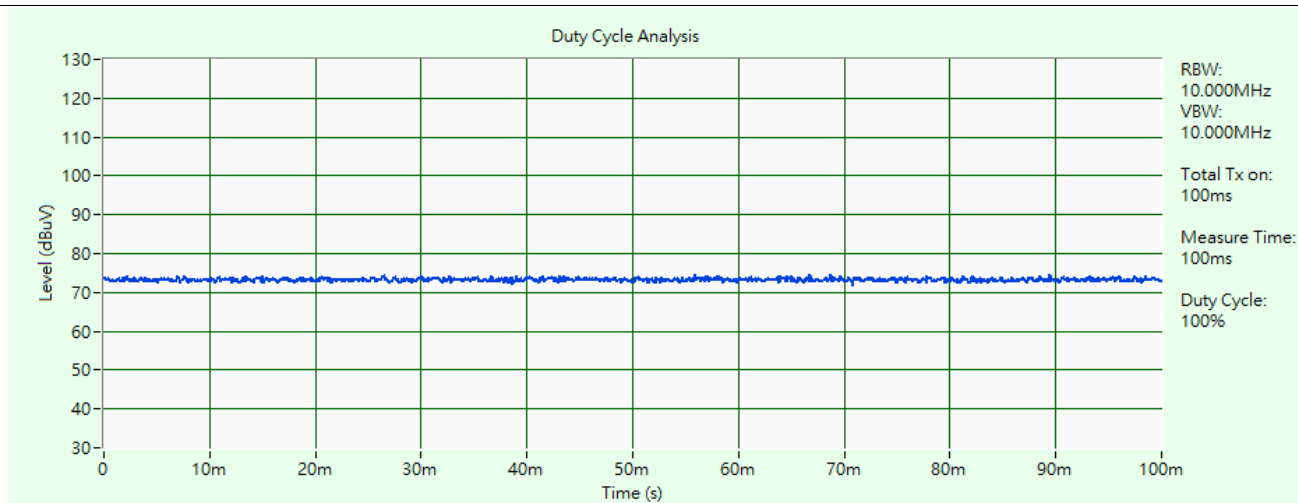
802.11be (EHT80): Duty cycle = $100 \text{ ms} / 100 \text{ ms} \times 100\% = 100.0\%$

802.11be (EHT160): Duty cycle = $100 \text{ ms} / 100 \text{ ms} \times 100\% = 100.0\%$

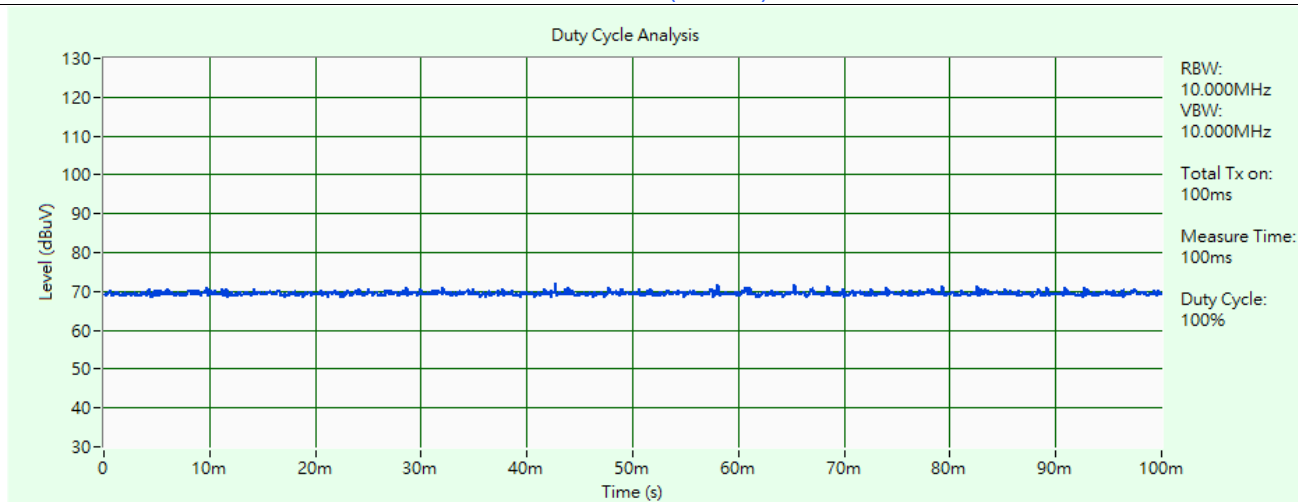
802.11be (EHT240): Duty cycle = $2.376 \text{ ms} / 2.392 \text{ ms} \times 100\% = 99.3\%$



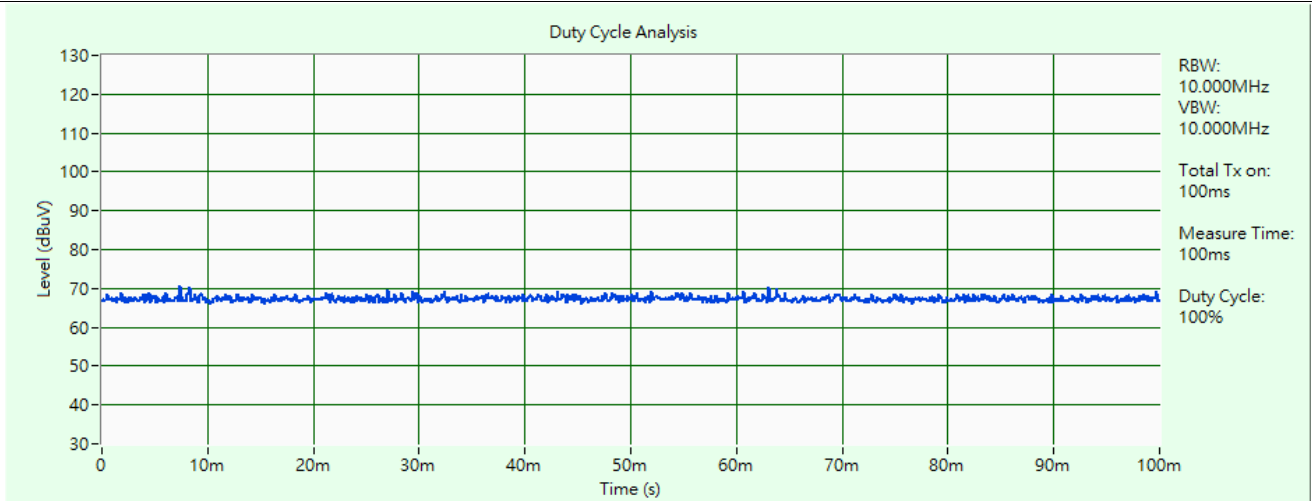
802.11a



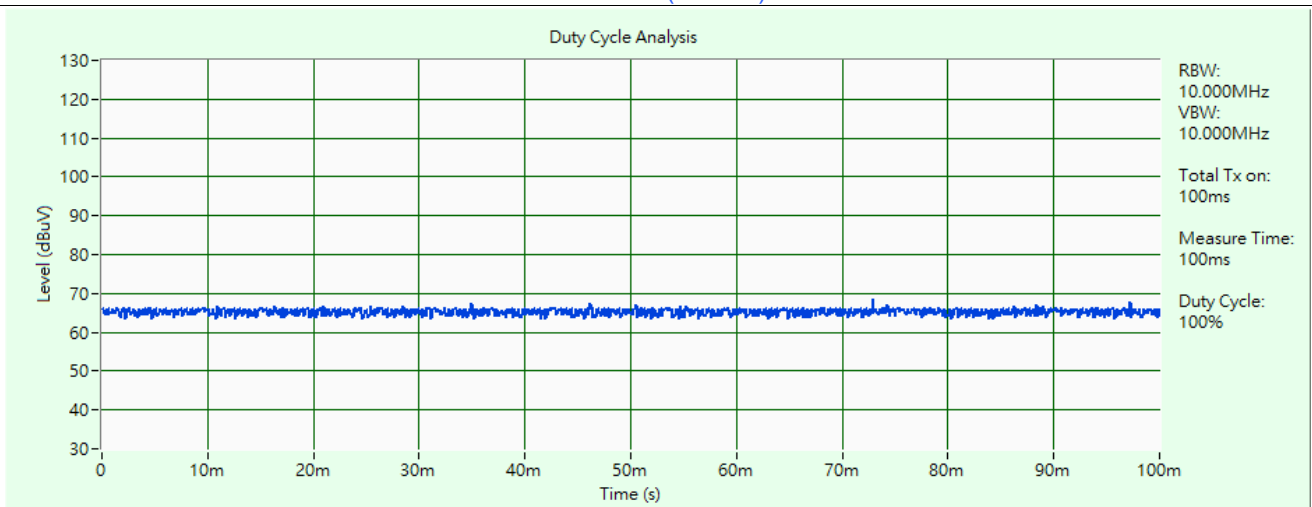
802.11be (EHT20)



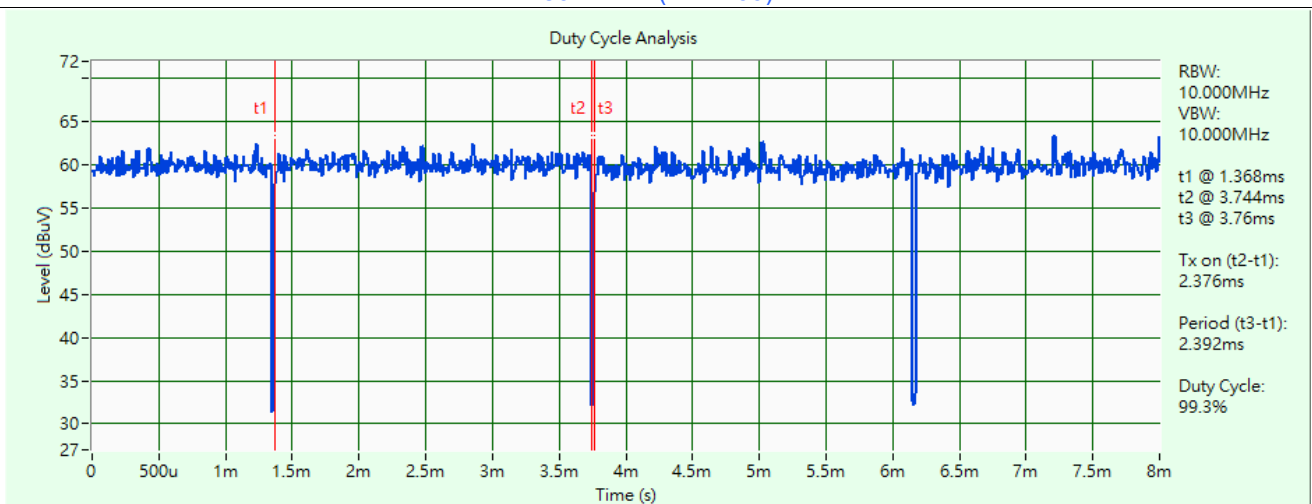
802.11be (EHT40)



802.11be (EHT80)



802.11be (EHT160)



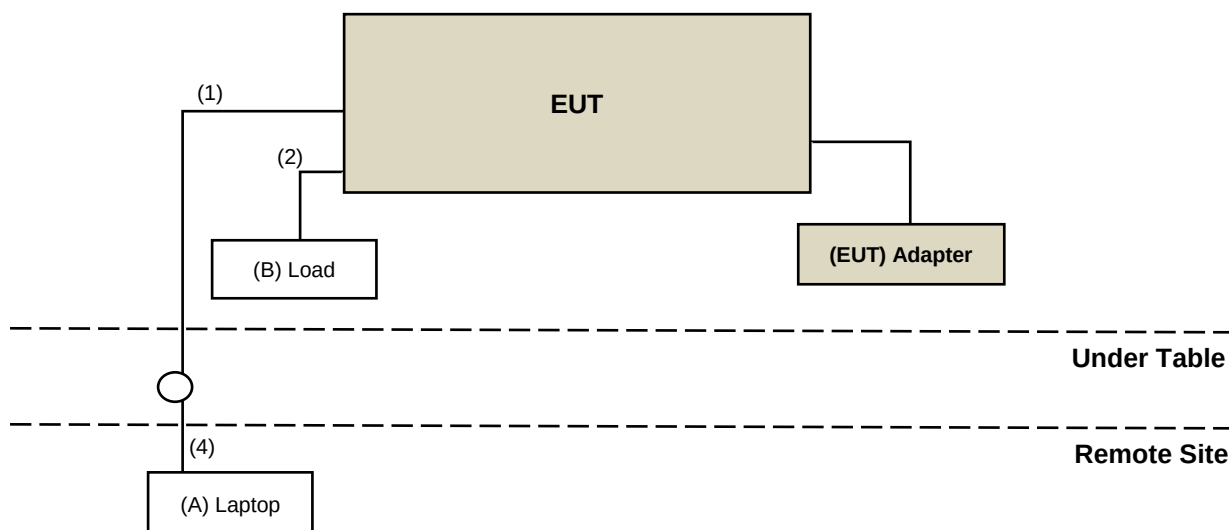
802.11be (EHT240)

3.6 Test Program Used and Operation Descriptions

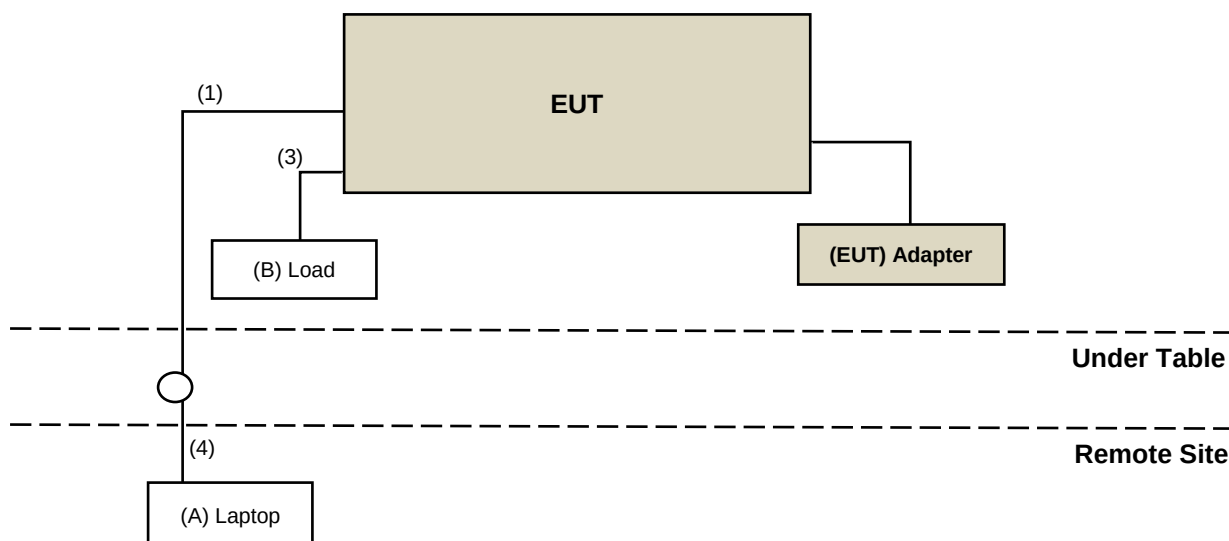
Controlling software QSPR Version 5.0-00202 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	2RL3YW1	N/A	Provided by Lab
B	Load	N/A	N/A	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	0.95	N	0	Accessory of EUT
2	RJ-45 Cable	4	1.5	N	0	Provided by Lab
3	RJ-45 Cable	3	1.5	N	0	Provided by Lab
4	RJ-45 Cable	1	10	N	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101105	2024/2/27	2025/2/26
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/9/18 ~ 2024/9/24

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2024/1/21	2025/1/20
Signal & Spectrum Analyzer R&S	FSV3044	101105	2024/2/27	2025/2/26
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2024/1/18	2025/1/17
		MY58140009	2024/1/18	2025/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/9/18 ~ 2024/9/24

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011315	13	2023/11/22	2024/11/21
50 ohm terminal resistance	E1-011279	04	2023/11/22	2024/11/21
	E1-011280	05	2023/11/22	2024/11/21
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESCI	100613	2023/12/4	2024/12/3
Fixed Attenuator Mini-Circuits	HAT-10+	PAD-COND1-01	2024/1/6	2025/1/5
LISN R&S	ENV216	101826	2024/3/25	2025/3/24
	ESH3-Z5	100116	2024/2/21	2025/2/20
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2024/1/6	2025/1/5
Software BVADT	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:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2024/9/25

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	2023/10/16	2024/10/15
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Keysight	N9038A	MY55420137	2024/5/8	2025/5/7
Preamplifier EMCI	EMC 330H	980112	2024/9/24	2025/9/23
	EMC001340	980201	2024/9/24	2025/9/23
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2024/9/24	2025/9/23
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	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2024/9/24 ~ 2024/9/25

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170241	2023/10/16	2024/10/15
		BBHA9170243	2023/11/12	2024/11/11
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
Preamplifier Keysight	83017A	MY53270295	2023/5/7 2024/5/1	2024/5/6 2025/4/30
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8 2024/7/6	2024/7/7 2025/7/5
	EMC102-KM-KM-3000	150929	2023/7/8 2024/7/6	2024/7/7 2025/7/5
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2023/5/7 2024/5/1	2024/5/6 2025/4/30
		MY 13380+295012/04	2023/5/7 2024/5/1	2024/5/6 2025/4/30
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13 2024/4/12	2024/4/12 2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/4/10 ~ 2024/8/29

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

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

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

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

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

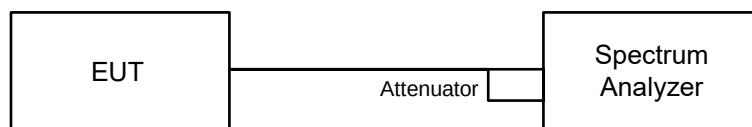
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

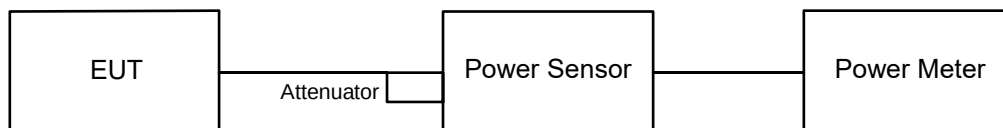


6.1.2 Test Procedure

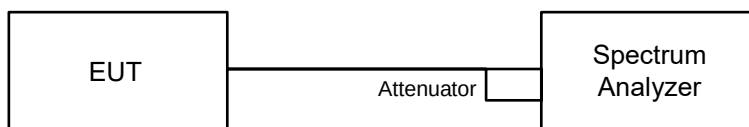
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

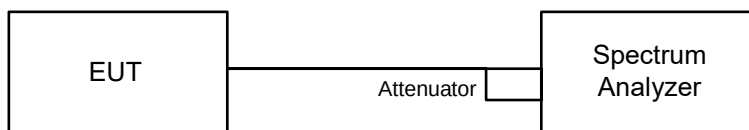
Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 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

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

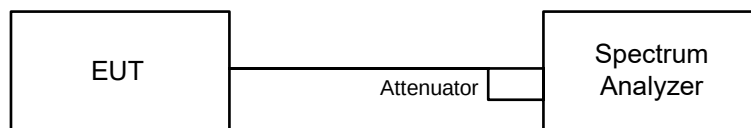
For specified measurement bandwidth 500 kHz:

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

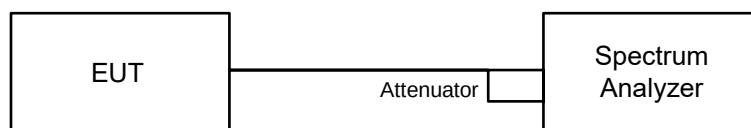


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

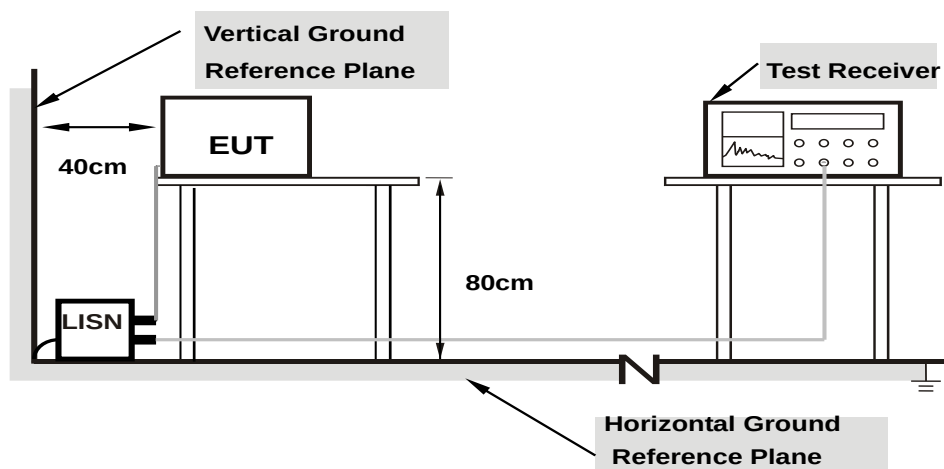


6.5.2 Test Procedure

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

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

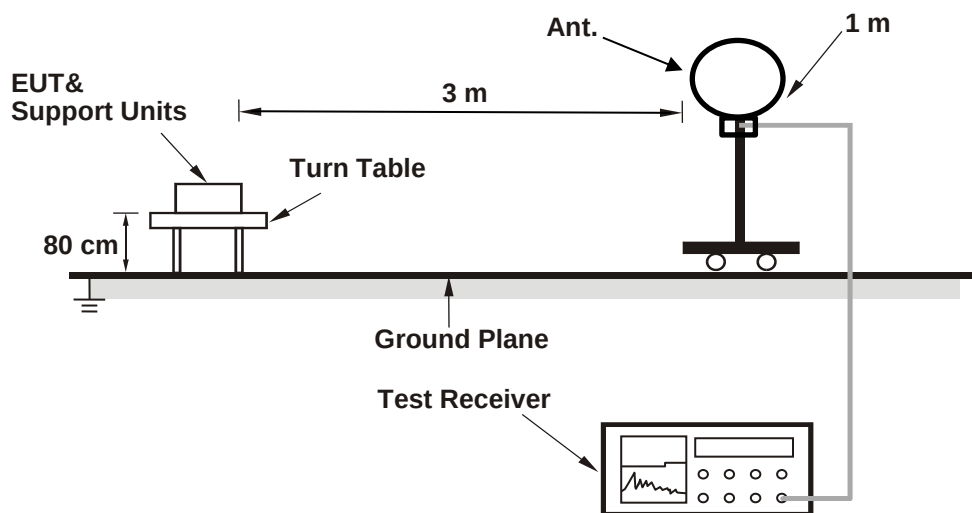
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

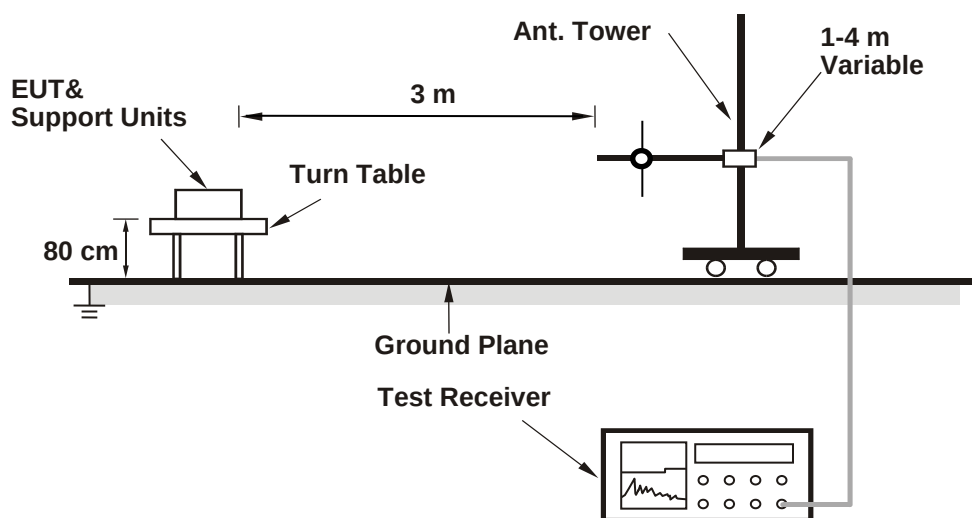
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

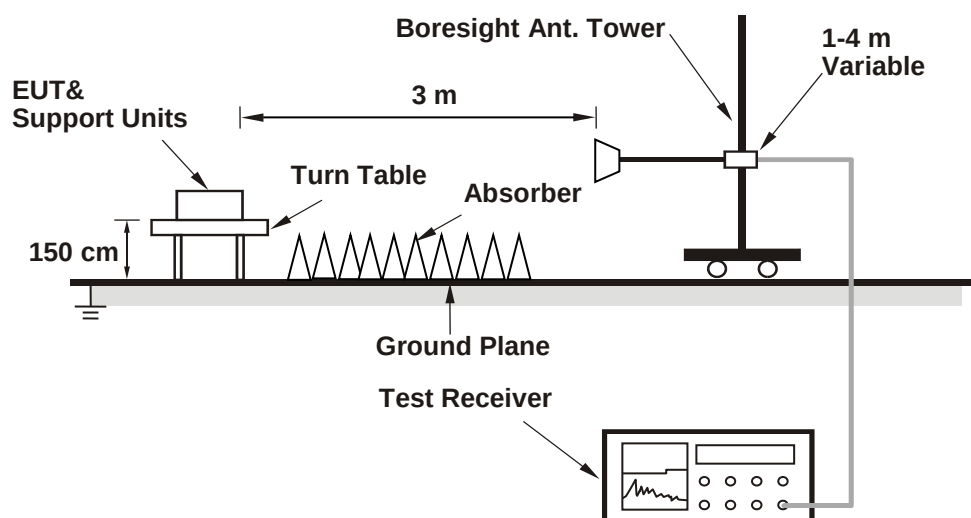
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Noah Chang
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	22.98	22.73	22.44	22.58
60	5300	22.62	23.00	22.70	22.53
64	5320	22.70	22.86	22.88	22.58
100	5500	23.20	22.80	23.07	22.66
116	5580	22.77	22.54	22.48	22.65
140	5700	22.69	23.02	22.55	22.63
144 (U-NII-2C)	5720	16.33	16.23	16.27	16.25
144 (U-NII-3)	5720	6.39	6.62	6.69	6.33

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	22.44	24.51 > 24
60	5300	22.53	24.52 > 24
64	5320	22.58	24.53 > 24
100	5500	22.66	24.55 > 24
116	5580	22.48	24.51 > 24
140	5700	22.55	24.53 > 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 (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	23.27	23.41	23.19	23.84
60	5300	23.00	23.05	23.27	23.62
64	5320	23.42	23.36	23.34	23.48
100	5500	23.18	22.99	23.37	23.26
116	5580	23.40	22.76	23.19	23.35
140	5700	23.21	22.76	23.36	23.53
144 (U-NII-2C)	5720	16.51	16.47	16.45	16.73
144 (U-NII-3)	5720	6.69	6.44	6.48	6.91

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	23.19	24.65 > 24
60	5300	23.00	24.61 > 24
64	5320	23.34	24.68 > 24
100	5500	22.99	24.61 > 24
116	5580	22.76	24.57 > 24
140	5700	22.76	24.57 > 24
144 (U-NII-2C)	5720	16.45	23.16 < 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	45.74	44.14	44.66	44.37
62	5310	45.08	44.93	44.49	44.36
102	5510	45.10	44.53	44.32	44.77
110	5550	45.39	45.58	44.41	44.22
134	5670	45.18	44.65	45.13	44.51
142 (U-NII-2C)	5710	37.58	37.54	37.38	37.82
142 (U-NII-3)	5710	7.86	7.26	7.50	7.40

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	44.14	27.44 > 24
62	5310	44.36	27.46 > 24
102	5510	44.32	27.46 > 24
110	5550	44.22	27.45 > 24
134	5670	44.51	27.48 > 24
142 (U-NII-2C)	5710	37.38	26.72 > 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	92.17	91.09	91.36	91.15
106	5530	92.12	91.79	91.54	90.86
122	5610	91.04	90.57	90.14	90.77
138 (U-NII-2C)	5690	80.89	82.30	81.69	81.48
138 (U-NII-3)	5690	10.22	10.83	10.35	10.20

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	91.09	30.59 > 24
106	5530	90.86	30.58 > 24
122	5610	90.14	30.54 > 24
138 (U-NII-2C)	5690	80.89	30.07 > 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	87.73	86.78	86.00	86.53
50 (U-NII-2A)	5250	89.37	87.04	86.26	87.07
114	5570	175.66	173.32	172.22	173.20

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	86.26	30.35 > 24
114	5570	172.22	33.36 > 24

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

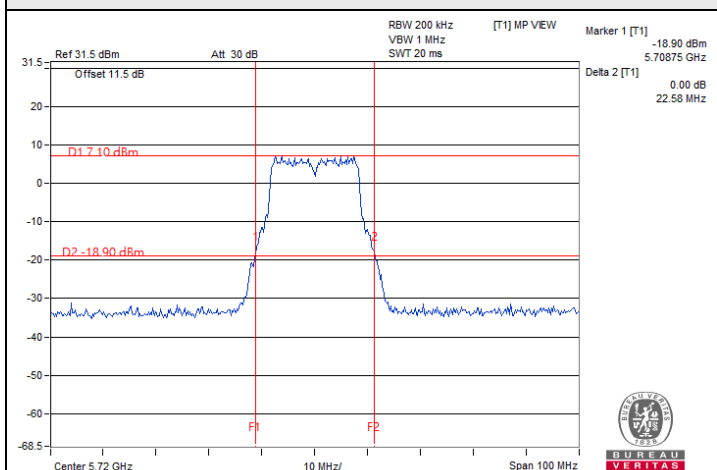
802.11be (EHT240)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
114+138 (U-NII-2C)	5610	248.04	245.67	245.70	244.87
114+138 (U-NII-3)	5610	81.46	80.96	83.45	80.64

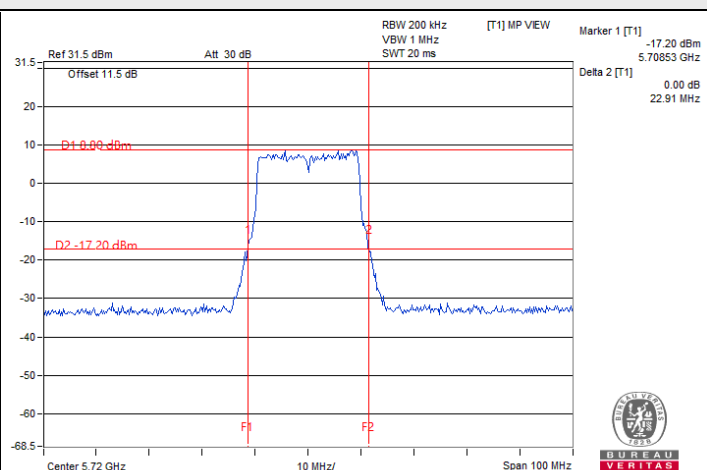
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
114+138 (U-NII-2C)	5610	244.87	34.88 > 24

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

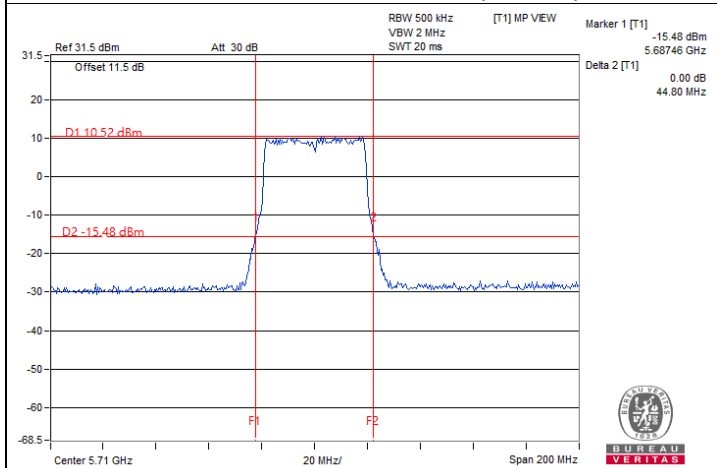
Spectrum Plot of Minimum Value



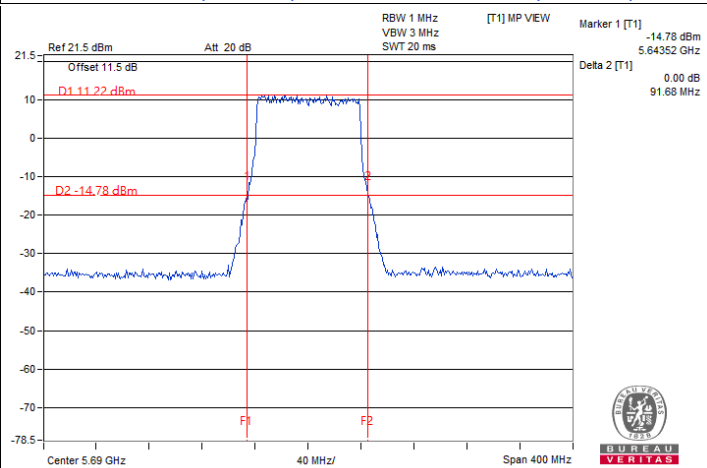
802.11a / Chain 3 : CH 144 (U-NII-3)



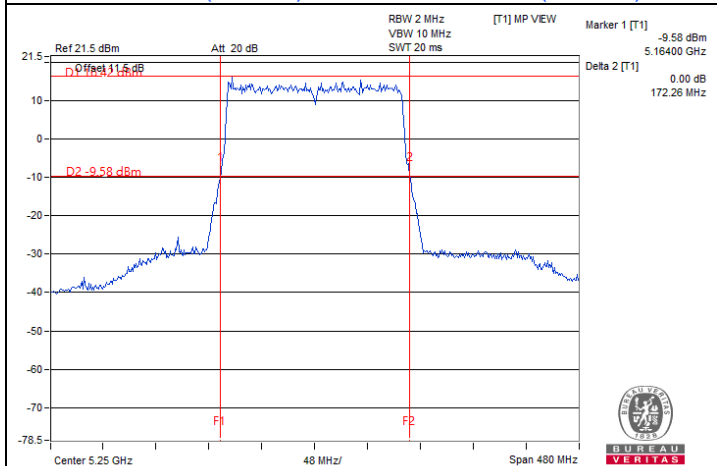
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



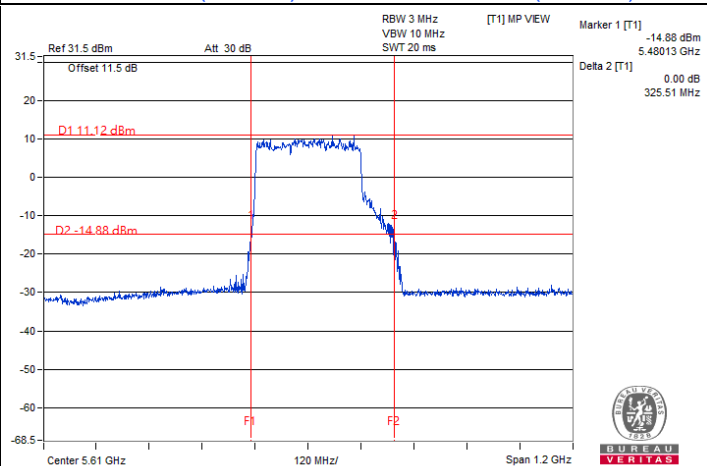
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



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



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



802.11be (EHT240) / Chain 3 : CH 114+138 (U-NII-3)

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, 60% RH	Tested By:	Noah Chang
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	23.08	23.15	23.17	23.12	822.381	29.15	30	Pass
40	5200	23.07	23.25	23.38	23.32	846.671	29.28	30	Pass
48	5240	23.01	23.12	23.28	23.28	830.73	29.19	30	Pass
52	5260	17.08	16.99	17.15	17.17	205.053	23.12	24	Pass
60	5300	17.07	17.02	17.17	17.19	205.763	23.13	24	Pass
64	5320	17.00	17.05	17.13	17.16	204.459	23.11	24	Pass
100	5500	17.08	17.20	17.09	17.01	204.934	23.12	24	Pass
116	5580	16.94	17.14	17.25	17.12	205.803	23.13	24	Pass
140	5700	16.92	17.13	17.08	17.17	204.016	23.10	24	Pass
*144 (U-NII-2C)	5720	15.89	16.08	16.07	16.04	160.003	22.04	23.1	Pass
*144 (U-NII-3)	5720	10.03	10.21	10.09	10.26	41.391	16.17	30	Pass
149	5745	23.05	23.27	23.29	23.31	841.755	29.25	30	Pass
157	5785	22.95	23.28	23.33	23.32	840.117	29.24	30	Pass
165	5825	23.15	23.15	23.32	23.29	841.164	29.25	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 3.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.67 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.76 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

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	23.12	22.96	23.24	22.96	811.373	29.09	30	Pass
40	5200	23.24	23.19	23.35	23.29	848.888	29.29	30	Pass
48	5240	23.25	23.14	23.18	23.22	835.276	29.22	30	Pass
52	5260	17.24	17.16	17.40	17.23	212.765	23.28	24	Pass
60	5300	17.13	17.32	17.25	17.30	212.384	23.27	24	Pass
64	5320	17.16	17.22	17.19	17.42	212.29	23.27	24	Pass
100	5500	16.99	17.30	17.35	17.41	213.112	23.29	24	Pass
116	5580	17.01	17.29	17.35	17.39	212.967	23.28	24	Pass
140	5700	17.00	17.30	17.38	17.35	212.849	23.28	24	Pass
*144 (U-NII-2C)	5720	15.55	15.64	15.86	15.71	148.323	21.71	23.16	Pass
*144 (U-NII-3)	5720	10.77	11.13	11.01	10.97	50.033	16.99	30	Pass
149	5745	23.02	23.08	23.35	23.39	838.228	29.23	30	Pass
157	5785	23.03	23.20	23.32	23.35	840.894	29.25	30	Pass
165	5825	23.05	23.01	23.39	23.43	840.388	29.24	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 3.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.67 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.76 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

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	21.21	21.22	21.08	21.07	520.735	27.17	30	Pass
46	5230	23.19	23.32	23.36	23.03	840.912	29.25	30	Pass
54	5270	17.08	17.26	17.26	16.94	206.903	23.16	24	Pass
62	5310	17.14	17.23	17.07	16.92	204.742	23.11	24	Pass
102	5510	17.16	17.18	17.13	16.95	205.426	23.13	24	Pass
110	5550	17.23	17.20	17.10	16.98	206.5	23.15	24	Pass
134	5670	17.21	17.17	17.09	17.05	206.588	23.15	24	Pass
*142 (U-NII-2C)	5710	15.85	15.84	15.70	15.53	149.711	21.75	24	Pass
*142 (U-NII-3)	5710	6.94	6.66	6.71	6.48	18.712	12.72	30	Pass
151	5755	23.31	23.34	23.14	23.16	843.141	29.26	30	Pass
159	5795	23.30	23.35	23.17	23.15	844.097	29.26	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 3.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.67 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.76 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.08	20.30	20.61	20.15	427.605	26.31	30	Pass
58	5290	17.15	17.42	17.29	17.05	211.366	23.25	24	Pass
106	5530	17.09	17.25	17.28	17.02	208.063	23.18	24	Pass
122	5610	17.05	17.22	17.35	17.15	209.627	23.21	24	Pass
*138 (U-NII-2C)	5690	16.07	16.17	16.38	16.19	166.9	22.22	24	Pass
*138 (U-NII-3)	5690	3.05	3.32	4.01	3.48	8.912	9.50	30	Pass
155	5775	23.18	23.37	23.31	23.14	845.592	29.27	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 3.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.67 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.76 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

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	17.77	17.26	17.58	16.97	220.105	23.43	30	Pass
*50 (U-NII-2A)	5250	17.88	17.53	17.68	17.25	229.702	23.61	24	Pass
114	5570	17.05	17.22	17.32	17.35	211.698	23.26	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 3.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.67 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.76 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT240)

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				
*114+138 (U-NII-2C)	5610	16.07	16.10	16.17	16.20	164.283	22.16	24	Pass
*114+138 (U-NII-3)	5610	-1.57	-1.59	-0.94	-1.39	2.9215	4.66	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 3.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.67 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.76 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.72 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	23.12	22.96	23.24	22.96	811.373	29.09	29.84	Pass
40	5200	23.24	23.19	23.35	23.29	848.888	29.29	29.84	Pass
48	5240	23.25	23.14	23.18	23.22	835.276	29.22	29.84	Pass
52	5260	17.24	17.16	17.40	17.23	212.765	23.28	23.63	Pass
60	5300	17.13	17.32	17.25	17.30	212.384	23.27	23.63	Pass
64	5320	17.16	17.22	17.19	17.42	212.29	23.27	23.63	Pass
100	5500	16.99	17.30	17.35	17.41	213.112	23.29	23.67	Pass
116	5580	17.01	17.29	17.35	17.39	212.967	23.28	23.67	Pass
140	5700	17.00	17.30	17.38	17.35	212.849	23.28	23.67	Pass
*144 (U-NII-2C)	5720	15.55	15.64	15.86	15.71	148.323	21.71	22.83	Pass
*144 (U-NII-3)	5720	10.77	11.13	11.01	10.97	50.033	16.99	29.59	Pass
149	5745	23.02	23.08	23.35	23.39	838.228	29.23	29.59	Pass
157	5785	23.03	23.20	23.32	23.35	840.894	29.25	29.59	Pass
165	5825	23.05	23.01	23.39	23.43	840.388	29.24	29.59	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 measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.37 - 6)].
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.33 - 6)].
- For U-NII-3, the directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

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	21.21	21.22	21.08	21.07	520.735	27.17	29.84	Pass
46	5230	23.19	23.32	23.36	23.03	840.912	29.25	29.84	Pass
54	5270	17.08	17.26	17.26	16.94	206.903	23.16	23.63	Pass
62	5310	17.14	17.23	17.07	16.92	204.742	23.11	23.63	Pass
102	5510	17.16	17.18	17.13	16.95	205.426	23.13	23.67	Pass
110	5550	17.23	17.20	17.10	16.98	206.5	23.15	23.67	Pass
134	5670	17.21	17.17	17.09	17.05	206.588	23.15	23.67	Pass
*142 (U-NII-2C)	5710	15.85	15.84	15.70	15.53	149.711	21.75	23.67	Pass
*142 (U-NII-3)	5710	6.94	6.66	6.71	6.48	18.712	12.72	29.59	Pass
151	5755	23.31	23.34	23.14	23.16	843.141	29.26	29.59	Pass
159	5795	23.30	23.35	23.17	23.15	844.097	29.26	29.59	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 measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.37 - 6)].
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.33 - 6)].
- For U-NII-3, the directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.08	20.30	20.61	20.15	427.605	26.31	29.84	Pass
58	5290	17.15	17.42	17.29	17.05	211.366	23.25	23.63	Pass
106	5530	17.09	17.25	17.28	17.02	208.063	23.18	23.67	Pass
122	5610	17.05	17.22	17.35	17.15	209.627	23.21	23.67	Pass
*138 (U-NII-2C)	5690	16.07	16.17	16.38	16.19	166.9	22.22	23.67	Pass
*138 (U-NII-3)	5690	3.05	3.32	4.01	3.48	8.912	9.50	29.59	Pass
155	5775	23.18	23.37	23.31	23.14	845.592	29.27	29.59	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 measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.37 - 6)].
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.33 - 6)].
- For U-NII-3, the directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

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	17.77	17.26	17.58	16.97	220.105	23.43	29.84	Pass
*50 (U-NII-2A)	5250	17.88	17.53	17.68	17.25	229.702	23.61	23.63	Pass
114	5570	17.05	17.22	17.32	17.35	211.698	23.26	23.67	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 measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.16-6) = 29.84$ dBm.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.37-6)].
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.33-6)].

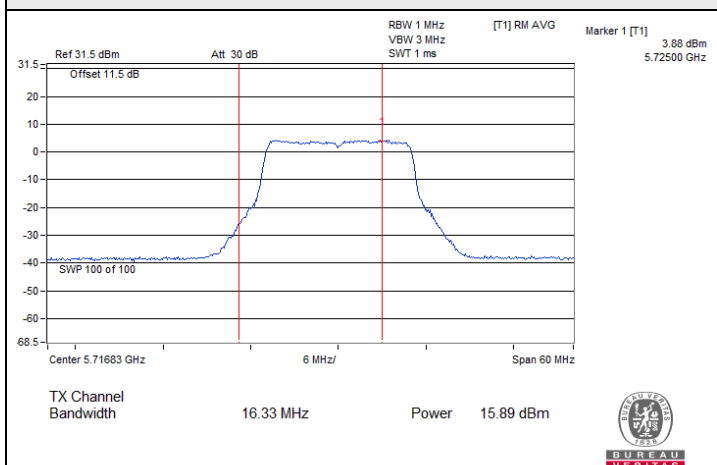
802.11be (EHT240) Beamforming

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				
*114+138 (U-NII-2C)	5610	16.07	16.10	16.17	16.20	164.283	22.16	23.67	Pass
*114+138 (U-NII-3)	5610	-1.57	-1.59	-0.94	-1.39	2.9215	4.66	29.59	Pass

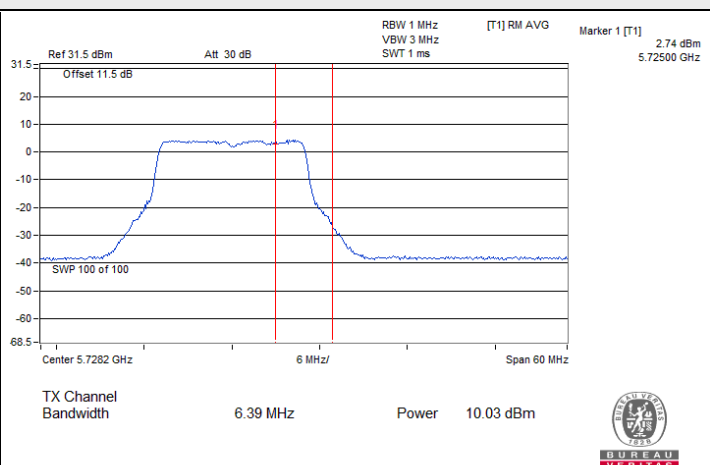
Notes:

- * : 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 measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.16-6) = 29.84$ dBm.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.37-6)].
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.33-6)].
- For U-NII-3, the directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.41-6) = 29.59$ dBm.

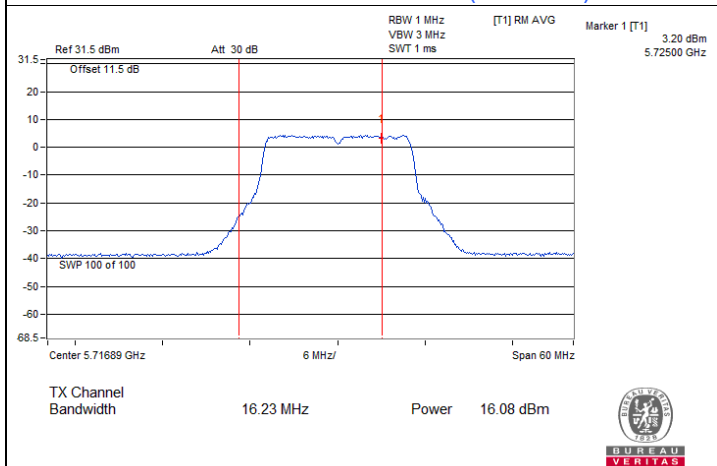
Spectrum Plot for channel straddling



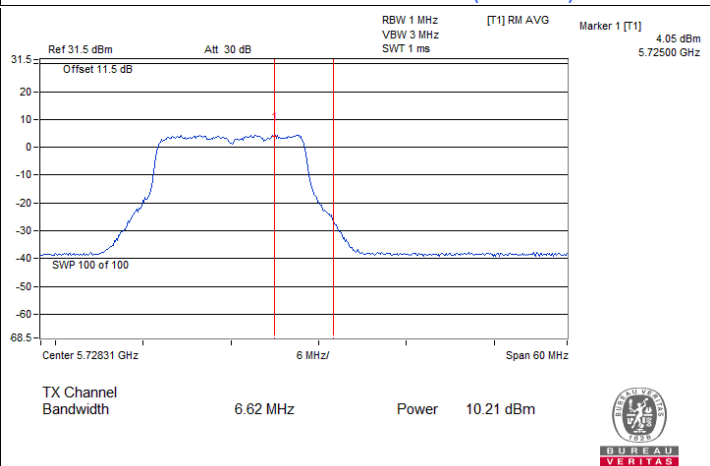
802.11a / Chain 0 : CH 144 (U-NII-2C)



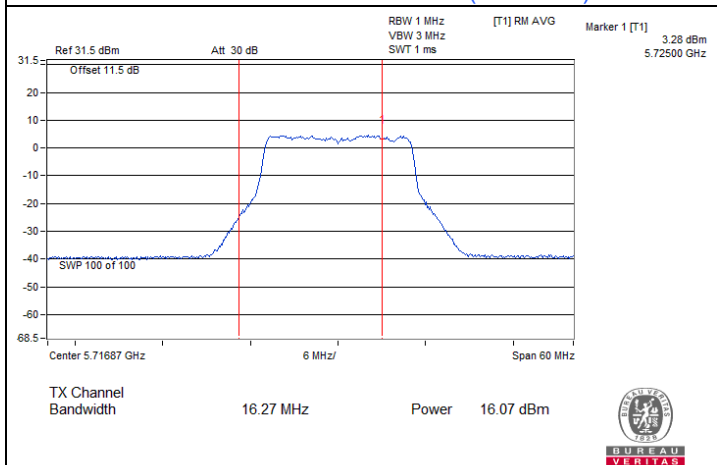
802.11a / Chain 0 : CH 144 (U-NII-3)



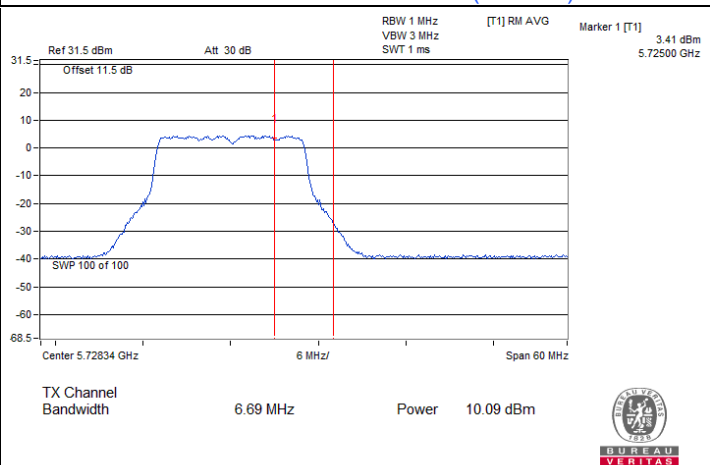
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

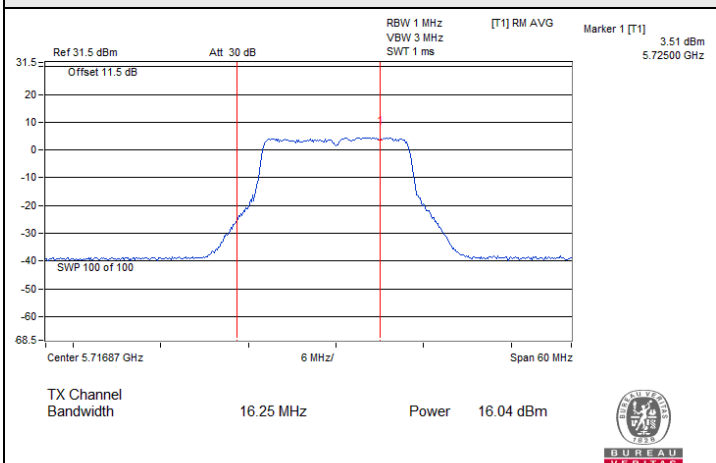


802.11a / Chain 2 : CH 144 (U-NII-2C)

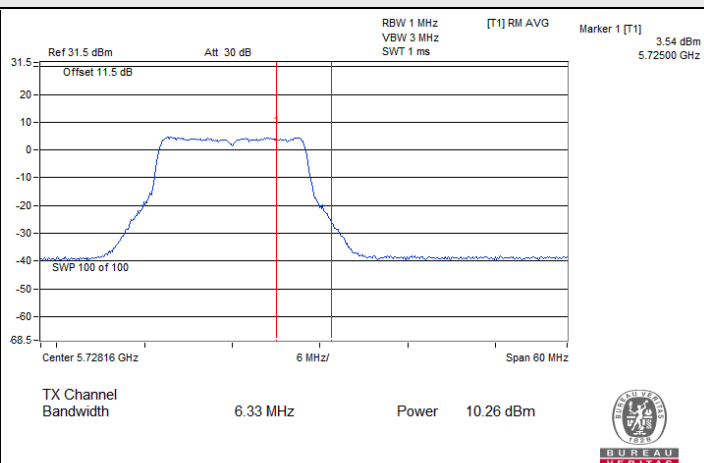


802.11a / Chain 2 : CH 144 (U-NII-3)

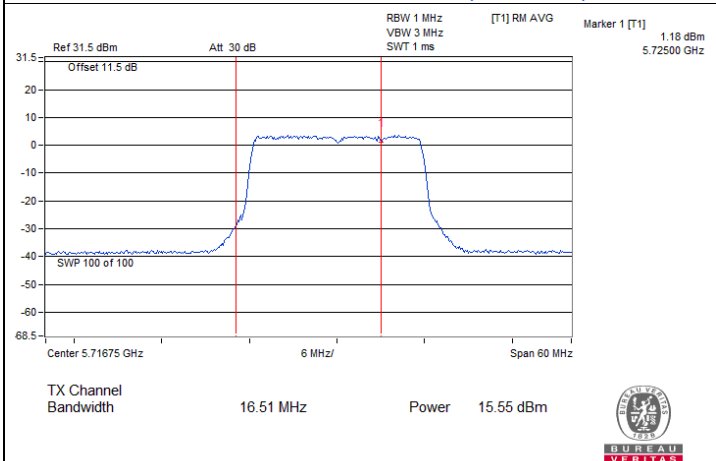
Spectrum Plot for channel straddling



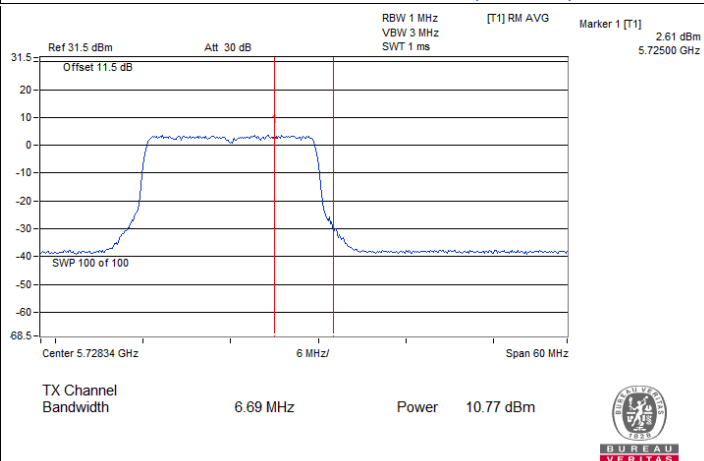
802.11a / Chain 3 : CH 144 (U-NII-2C)



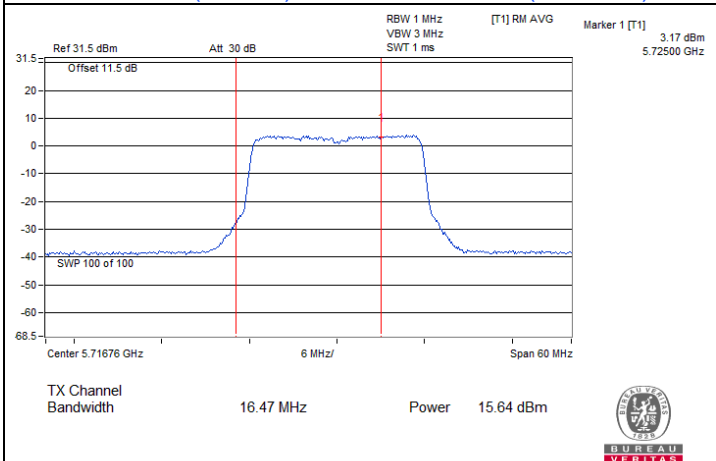
802.11a / Chain 3 : CH 144 (U-NII-3)



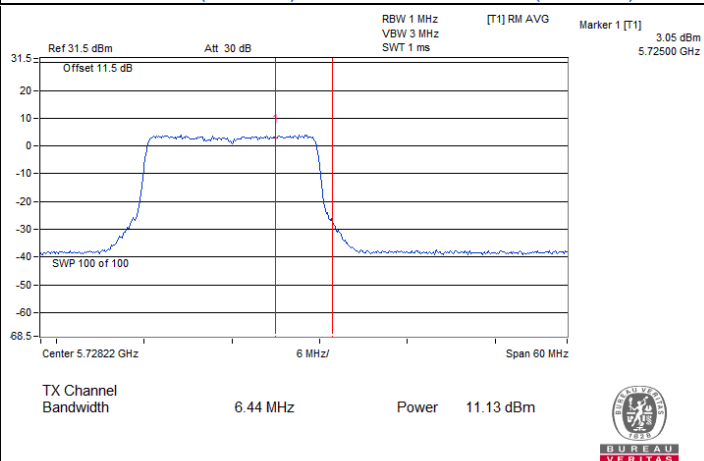
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)



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

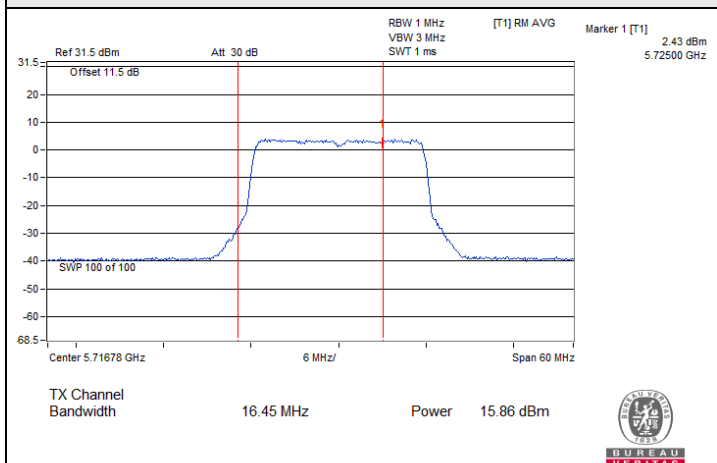


802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)

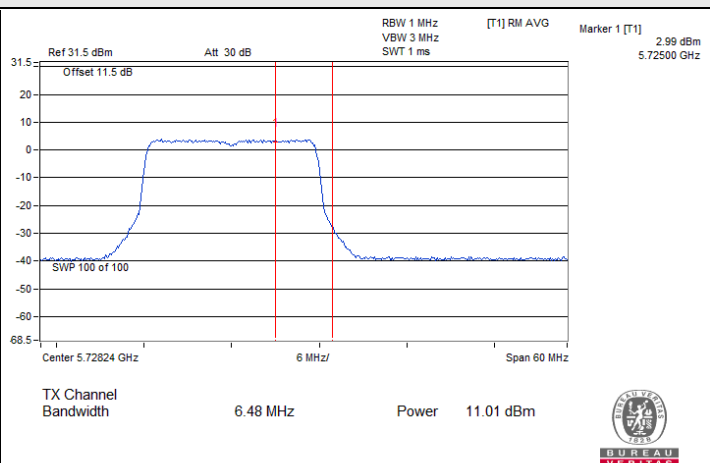


802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)

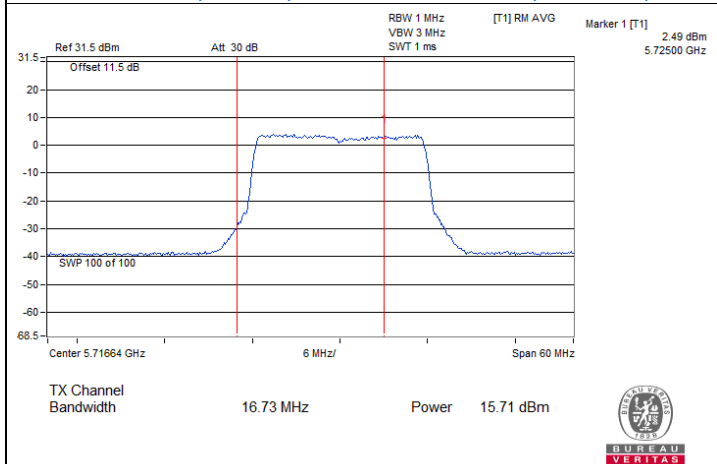
Spectrum Plot for channel straddling



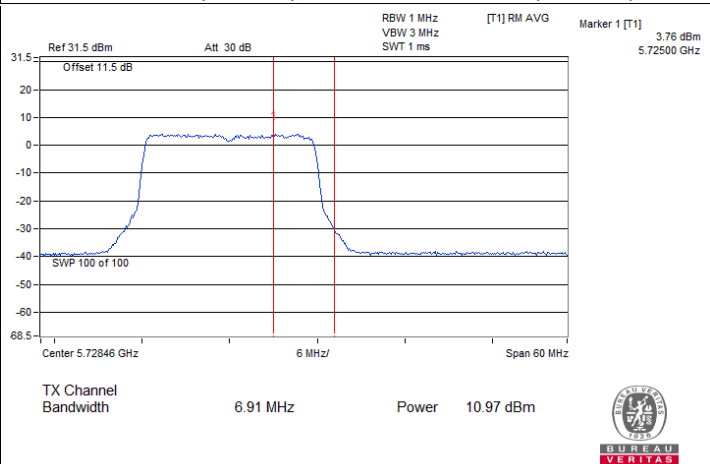
802.11be (EHT20) / Chain 2 : CH 144 (U-NII-2C)



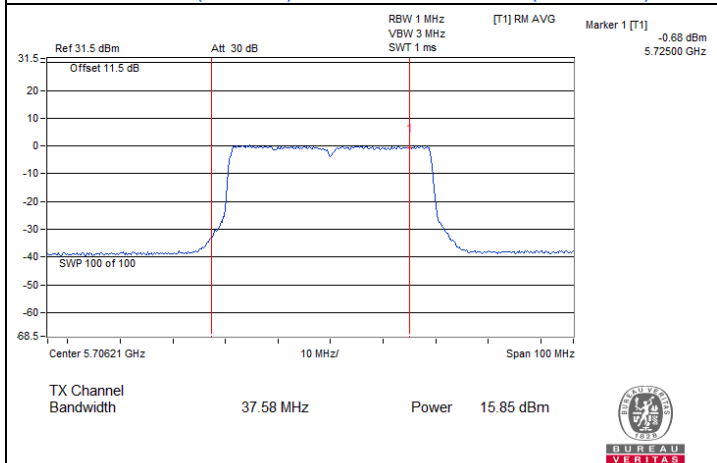
802.11be (EHT20) / Chain 2 : CH 144 (U-NII-3)



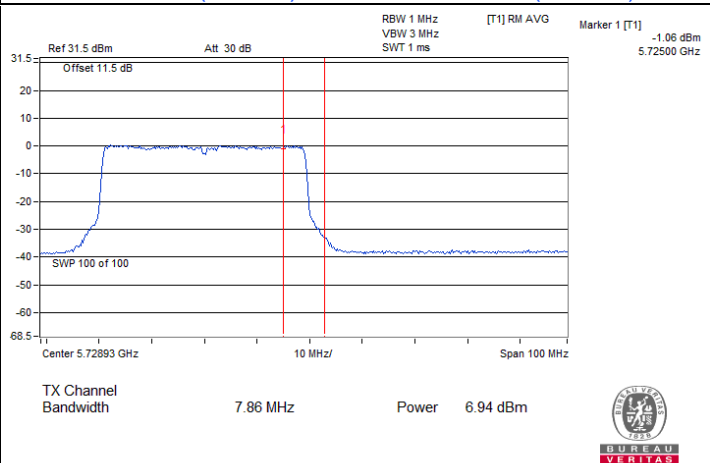
802.11be (EHT20) / Chain 3 : CH 144 (U-NII-2C)



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

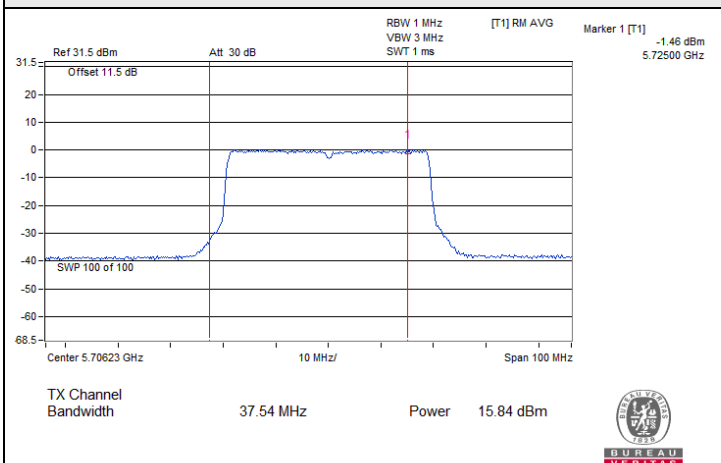


802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)

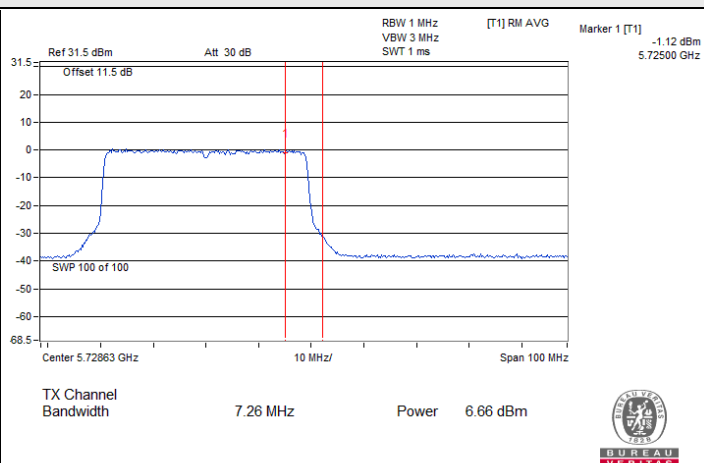


802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)

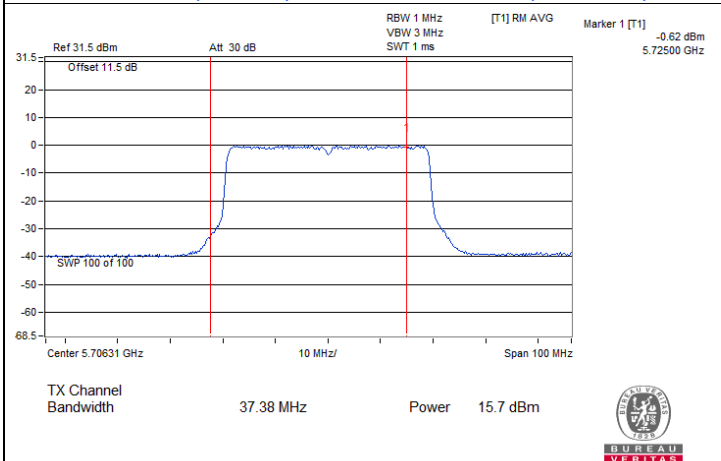
Spectrum Plot for channel straddling



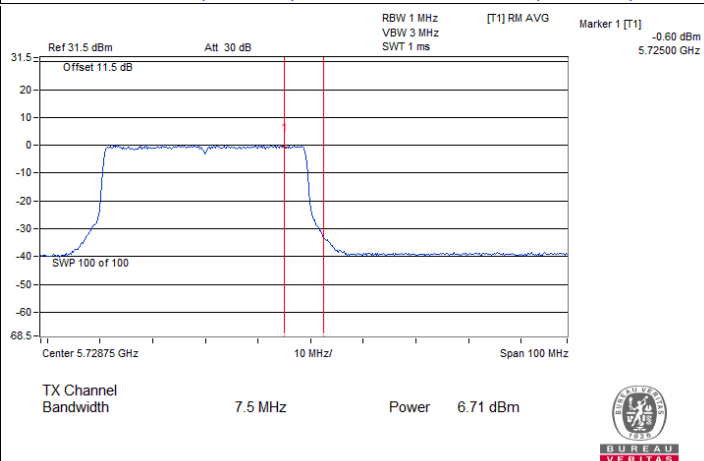
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)



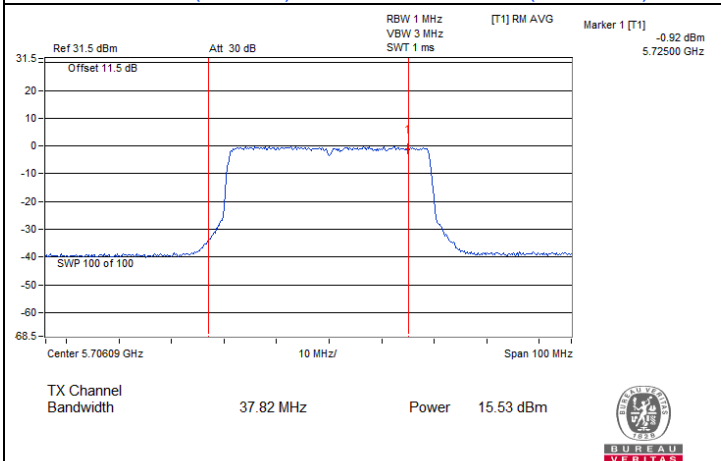
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



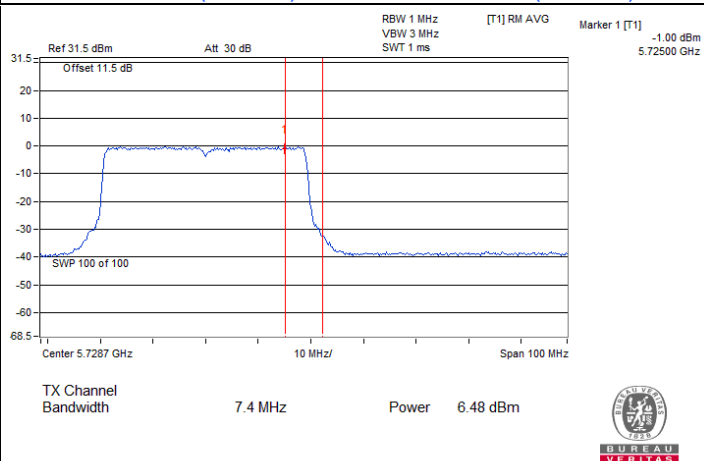
802.11be (EHT40) / Chain 2 : CH 142 (U-NII-2C)



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

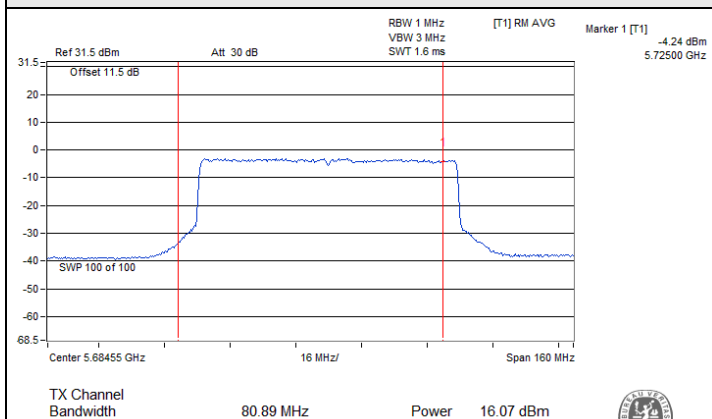


802.11be (EHT40) / Chain 3 : CH 142 (U-NII-2C)

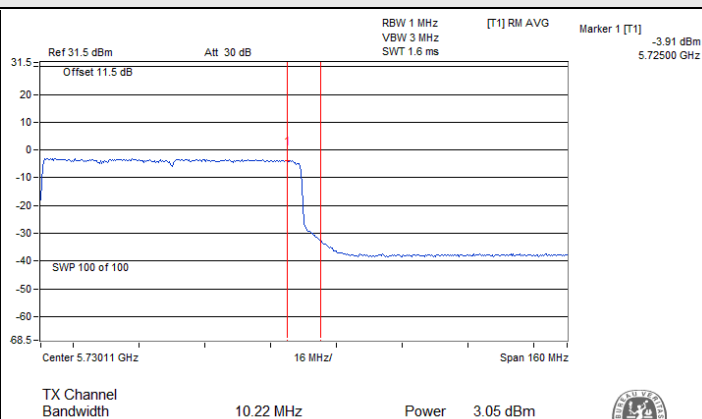


802.11be (EHT40) / Chain 3 : CH 142 (U-NII-3)

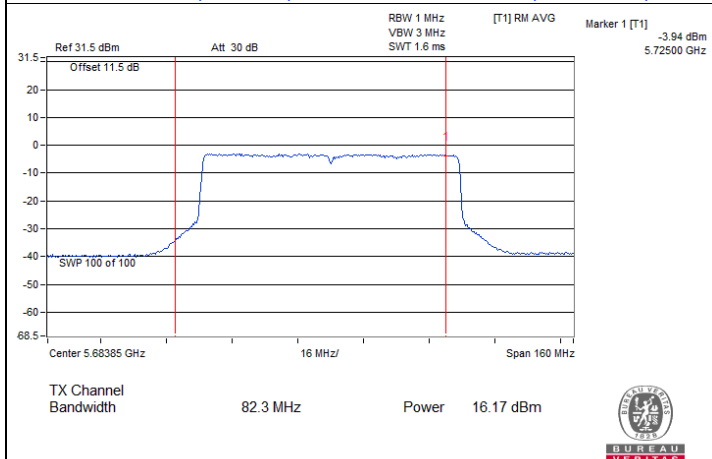
Spectrum Plot for channel straddling



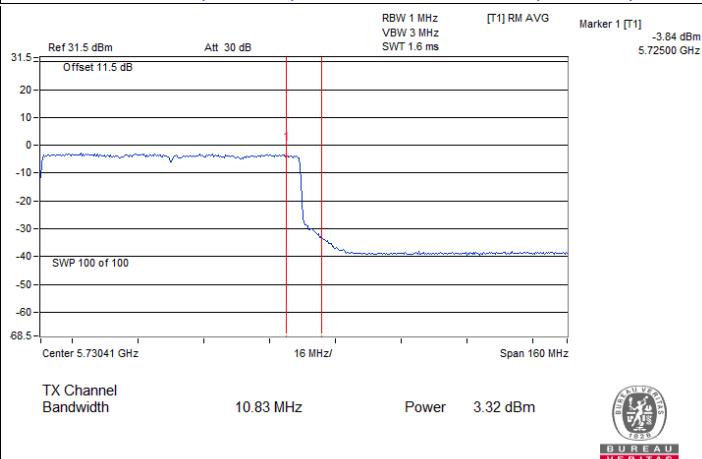
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



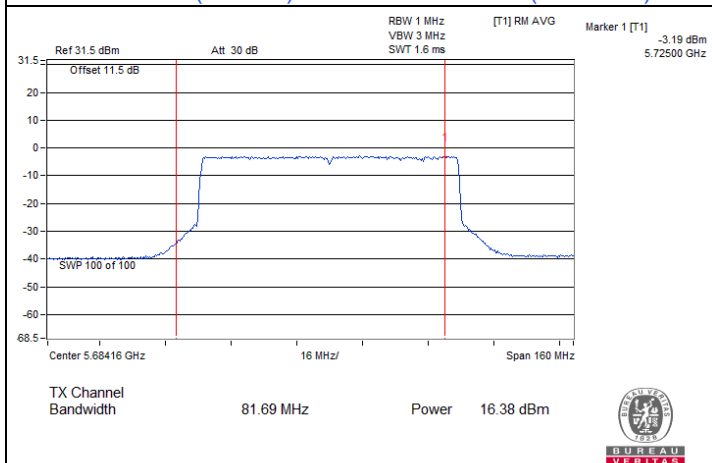
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



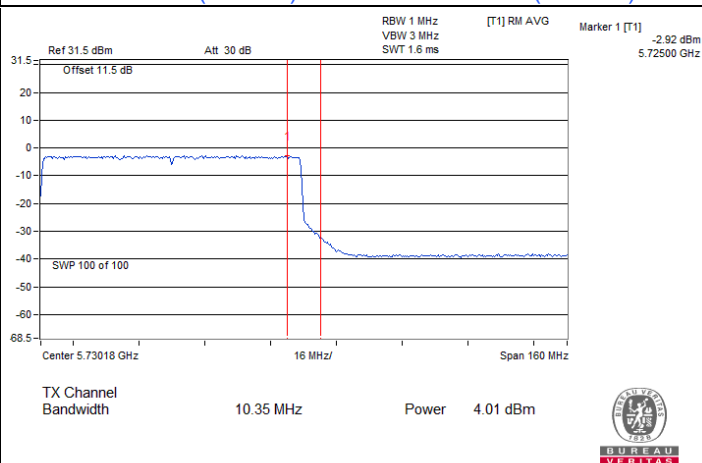
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



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

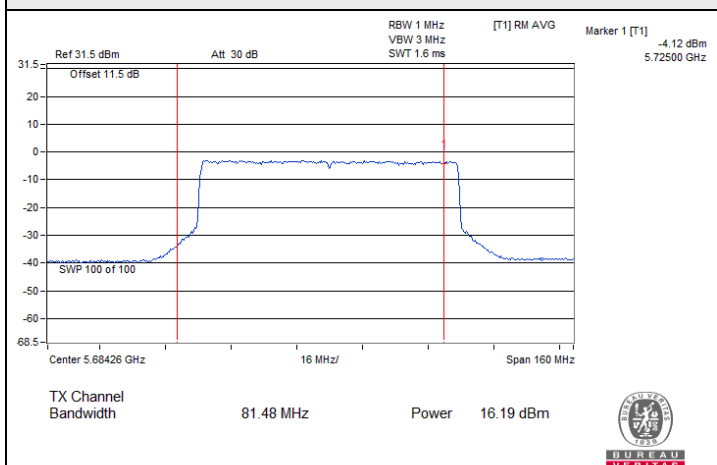


802.11be (EHT80) / Chain 2 : CH 138 (U-NII-2C)

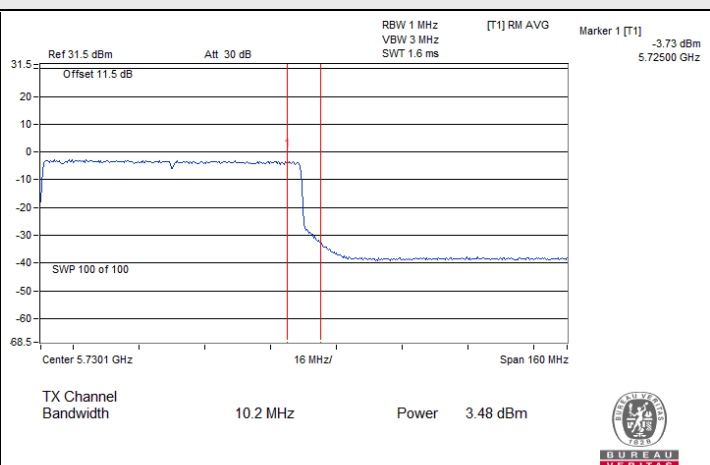


802.11be (EHT80) / Chain 2 : CH 138 (U-NII-3)

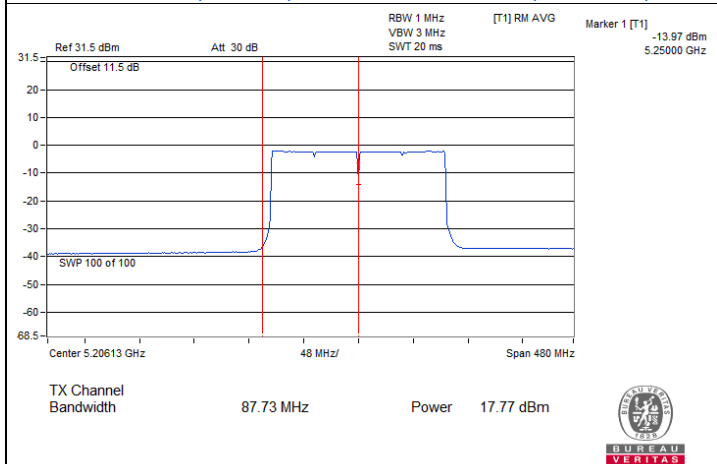
Spectrum Plot for channel straddling



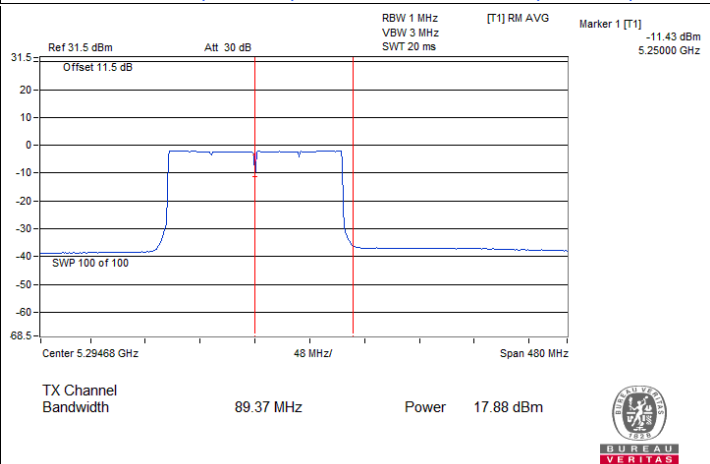
802.11be (EHT80) / Chain 3 : CH 138 (U-NII-2C)



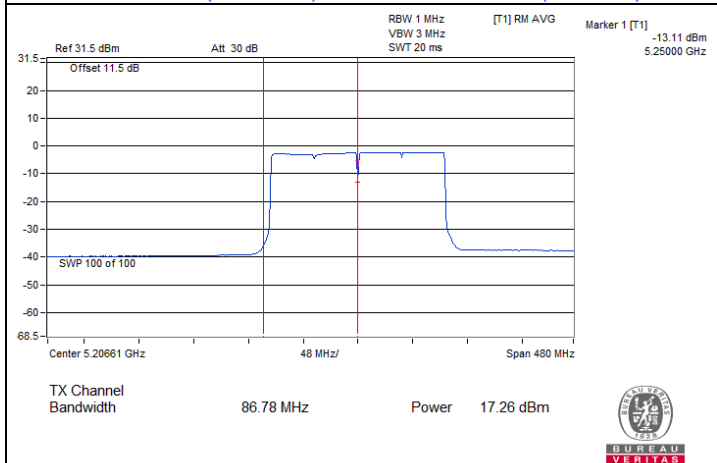
802.11be (EHT80) / Chain 3 : CH 138 (U-NII-3)



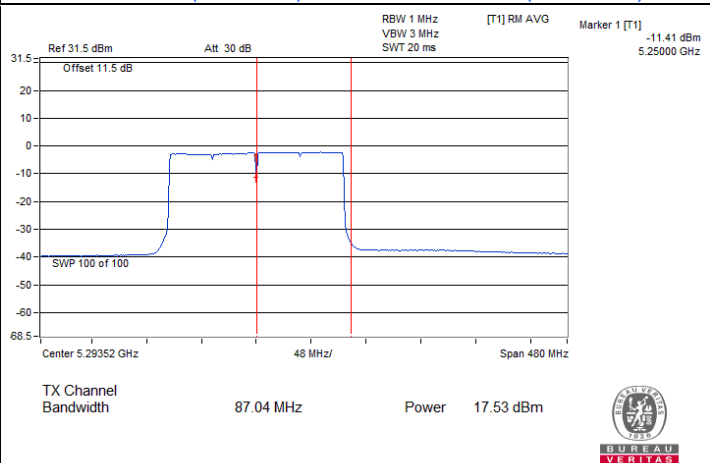
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)



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

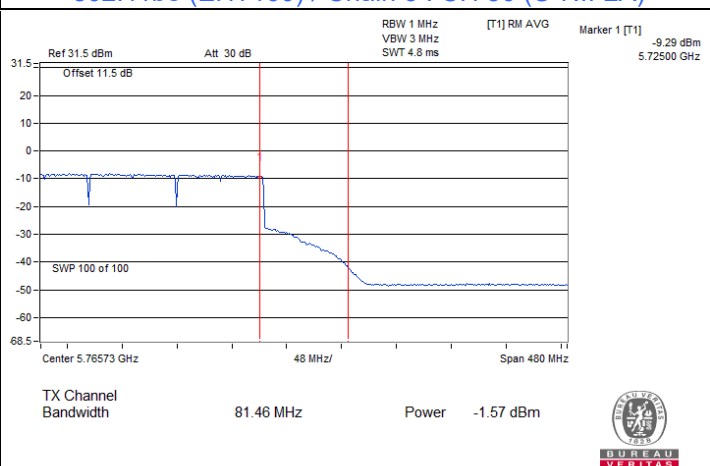
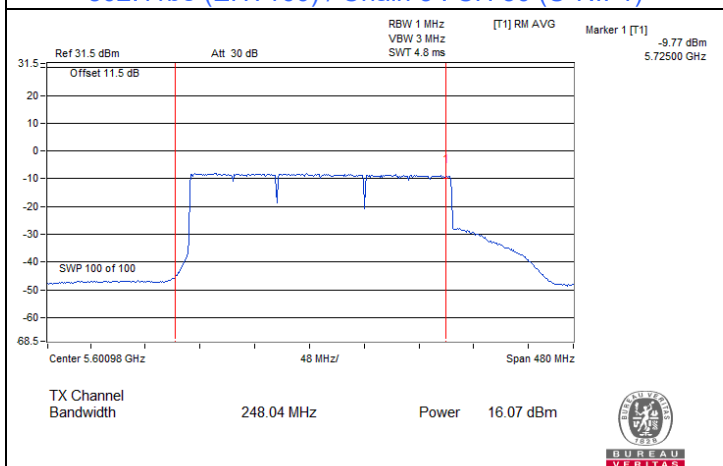
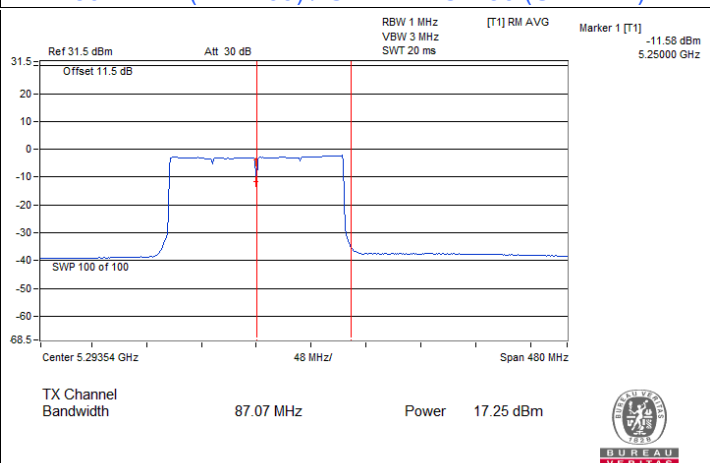
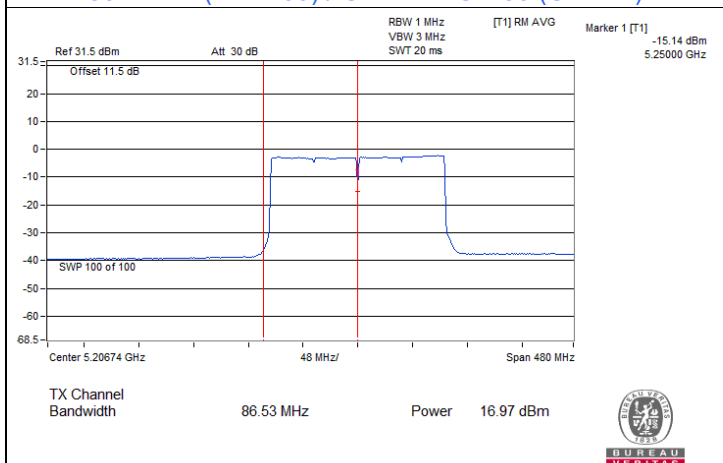
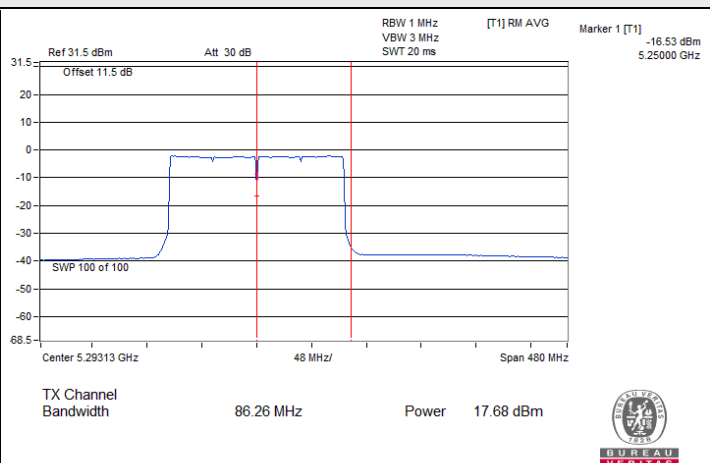
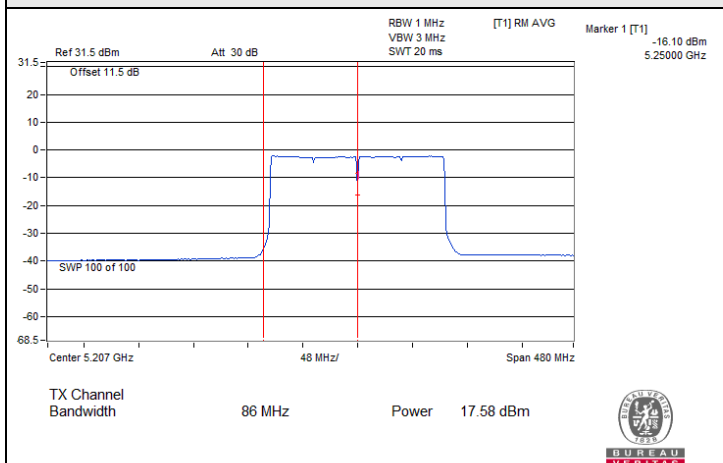


802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)

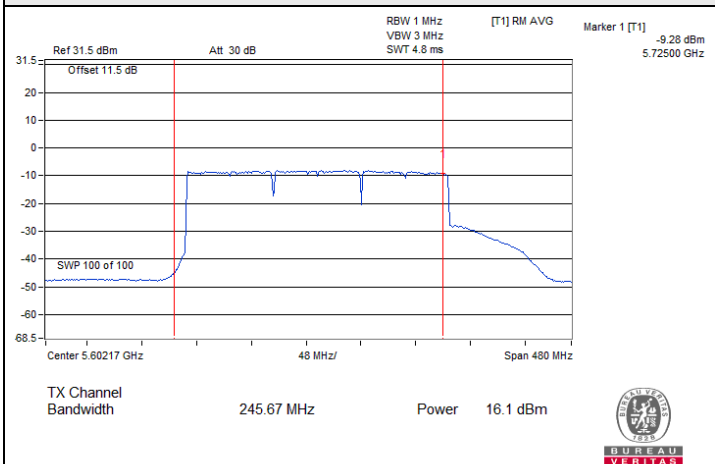


802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)

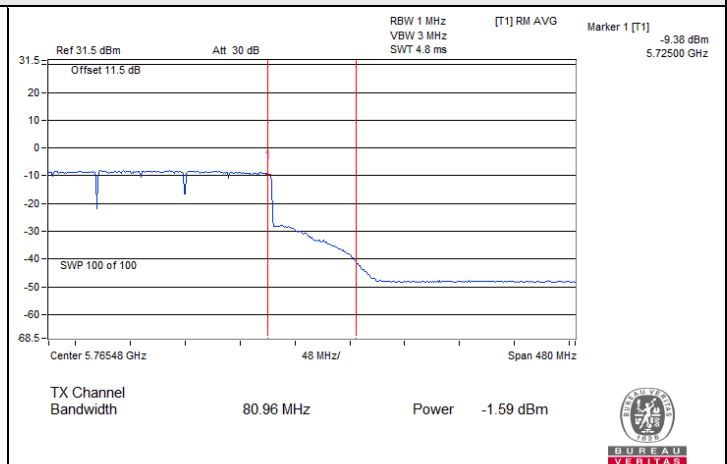
Spectrum Plot for channel straddling



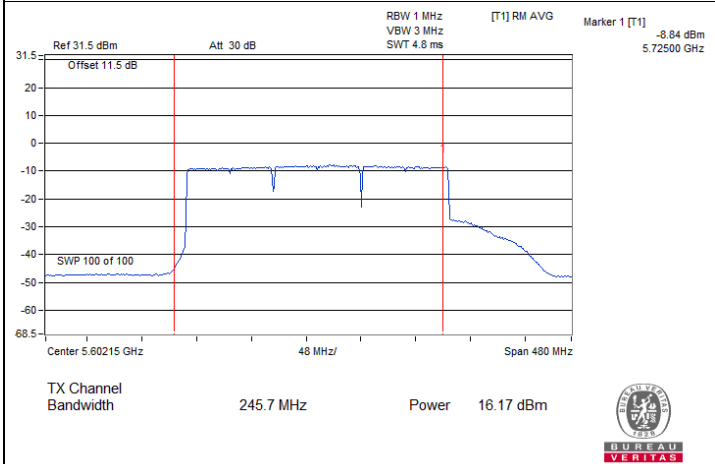
Spectrum Plot for channel straddling



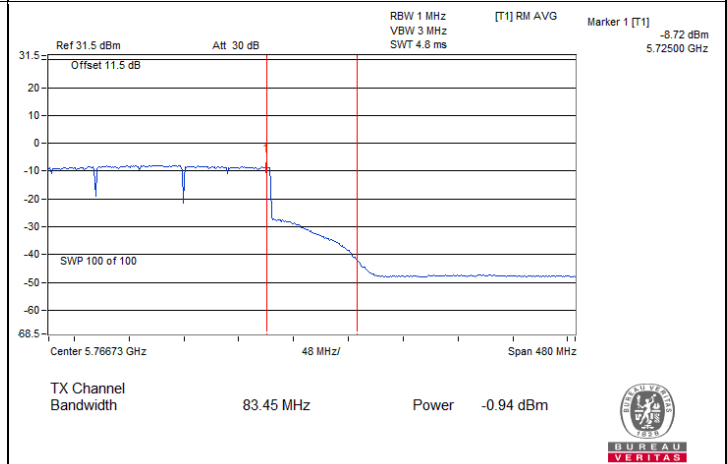
802.11be (EHT240) / Chain 1 : CH 114+138 (U-NII-2C)



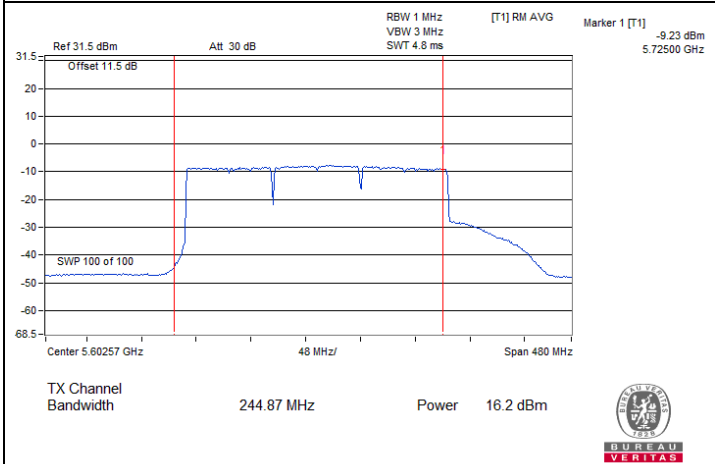
802.11be (EHT240) / Chain 1 : CH 114+138 (U-NII-3)



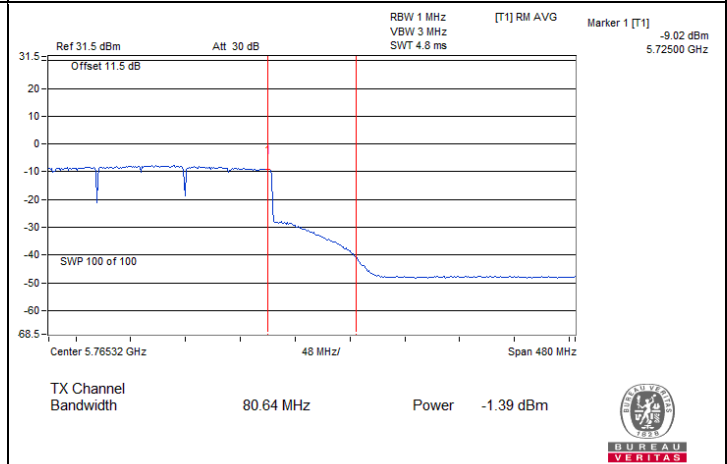
802.11be (EHT240) / Chain 2 : CH 114+138 (U-NII-2C)



802.11be (EHT240) / Chain 2 : CH 114+138 (U-NII-3)



802.11be (EHT240) / Chain 3 : CH 114+138 (U-NII-2C)



802.11be (EHT240) / Chain 3 : CH 114+138 (U-NII-3)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Noah Chang
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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	9.91	10.07	10.05	9.67	15.95	16.84	Pass
40	5200	9.73	9.97	9.85	9.83	15.87	16.84	Pass
48	5240	9.74	10.15	10.12	10.15	16.06	16.84	Pass
52	5260	3.99	4.06	4.20	4.22	10.14	10.63	Pass
60	5300	4.02	4.14	4.29	4.31	10.21	10.63	Pass
64	5320	4.04	4.17	4.22	4.28	10.20	10.63	Pass
100	5500	3.90	4.15	4.08	3.93	10.04	10.67	Pass
116	5580	3.84	4.29	4.06	4.14	10.11	10.67	Pass
140	5700	3.80	3.97	3.91	4.22	10.00	10.67	Pass
144 (U-NII-2C)	5720	3.80	4.04	3.99	4.12	10.01	10.67	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 6.16 dBi > 6dBi, so the power density limit shall be reduced to $17 - (6.16 - 6) = 16.84$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.37 - 6) = 10.63$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.33 - 6) = 10.67$ dBm/MHz.

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	9.90	9.81	10.03	9.74	15.89	16.84	Pass
40	5200	9.72	9.75	9.82	9.67	15.76	16.84	Pass
48	5240	9.76	9.95	9.91	9.83	15.88	16.84	Pass
52	5260	4.13	3.79	4.21	4.16	10.10	10.63	Pass
60	5300	3.85	4.23	4.17	4.09	10.11	10.63	Pass
64	5320	3.86	4.15	3.94	4.18	10.06	10.63	Pass
100	5500	3.94	4.03	4.15	4.17	10.09	10.67	Pass
116	5580	4.06	3.88	4.16	4.00	10.05	10.67	Pass
140	5700	3.90	4.06	4.03	3.97	10.01	10.67	Pass
144 (U-NII-2C)	5720	3.75	4.10	4.14	4.08	10.04	10.67	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 6.16 dBi > 6dBi, so the power density limit shall be reduced to $17 - (6.16 - 6) = 16.84$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.37 - 6) = 10.63$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.33 - 6) = 10.67$ dBm/MHz.

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	4.98	4.89	4.63	4.68	10.82	16.84	Pass
46	5230	7.05	6.74	7.21	7.07	13.04	16.84	Pass
54	5270	0.81	1.23	1.20	1.18	7.13	10.63	Pass
62	5310	0.88	1.25	1.19	1.12	7.13	10.63	Pass
102	5510	0.97	1.02	1.21	1.02	7.08	10.67	Pass
110	5550	0.73	1.06	1.05	1.20	7.03	10.67	Pass
134	5670	0.96	1.08	0.95	1.06	7.03	10.67	Pass
142 (U-NII-2C)	5710	0.99	0.86	0.82	1.00	6.94	10.67	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.16-6) = 16.84$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.37-6) = 10.63$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.33-6) = 10.67$ dBm/MHz.

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	0.74	0.83	1.30	0.97	6.99	16.84	Pass
58	5290	-2.42	-2.23	-2.29	-2.46	3.67	10.63	Pass
106	5530	-2.06	-2.06	-2.00	-2.30	3.92	10.67	Pass
122	5610	-2.40	-2.13	-2.05	-2.13	3.85	10.67	Pass
138 (U-NII-2C)	5690	-2.00	-1.97	-1.87	-1.98	4.07	10.67	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.16-6) = 16.84$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.37-6) = 10.63$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.33-6) = 10.67$ dBm/MHz.

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	-1.98	-2.99	-1.91	-2.91	3.60	16.84	Pass
50 (U-NII-2A)	5250	-2.16	-2.38	-2.05	-2.32	3.80	10.63	Pass
114	5570	-5.23	-4.79	-4.59	-4.79	1.18	10.67	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.16-6) = 16.84$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.37-6) = 10.63$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.33-6) = 10.67$ dBm/MHz.

802.11be (EHT240)

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			
114+138 (U-NII-2C)	5610	-8.25	-7.96	-8.01	-7.80	-1.98	10.67	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.16 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.16-6) = 16.84$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.37-6) = 10.63$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.33-6) = 10.67$ dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
144 (U-NII-3)	5720	-4.69	-4.23	-4.67	-4.27	1.56	3.78	29.59	Pass
149	5745	0.94	1.23	1.32	1.43	7.25	9.47	29.59	Pass
157	5785	0.83	1.36	1.27	1.37	7.23	9.45	29.59	Pass
165	5825	0.93	1.32	1.48	1.35	7.3	9.52	29.59	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs 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 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.41-6) = 29.59$ dBm/500kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
144 (U-NII-3)	5720	-5.44	-5.03	-5.15	-5.04	0.86	3.08	29.59	Pass
149	5745	0.48	0.43	0.43	0.46	6.47	8.69	29.59	Pass
157	5785	0.32	0.49	0.55	0.68	6.53	8.75	29.59	Pass
165	5825	0.49	0.46	0.43	0.53	6.5	8.72	29.59	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs 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 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.41-6) = 29.59$ dBm/500kHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
142 (U-NII-3)	5710	-8.53	-8.57	-8.30	-8.14	-2.36	-0.14	29.59	Pass
151	5755	-2.90	-2.77	-3.07	-2.92	3.11	5.33	29.59	Pass
159	5795	-2.72	-2.40	-2.73	-2.80	3.36	5.58	29.59	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs 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 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.41-6) = 29.59$ dBm/500kHz.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
138 (U-NII-3)	5690	-11.77	-11.57	-10.98	-11.38	-5.39	-3.17	29.59	Pass
155	5775	-6.07	-5.90	-5.97	-6.10	0.01	2.23	29.59	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs 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 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm/500kHz.

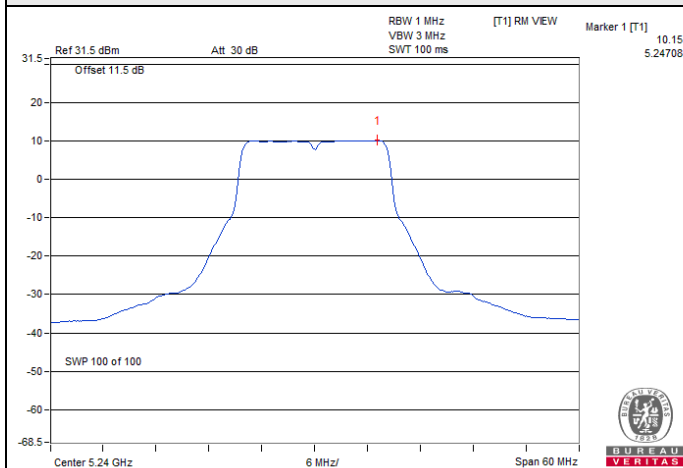
802.11be (EHT240)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
114+138 (U-NII-3)	5610	-18.20	-18.17	-18.05	-18.07	-12.1	-9.88	29.59	Pass

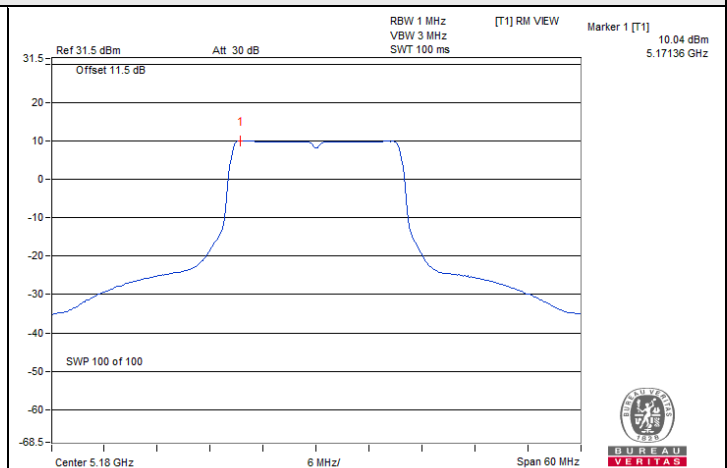
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs 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 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm/500kHz.

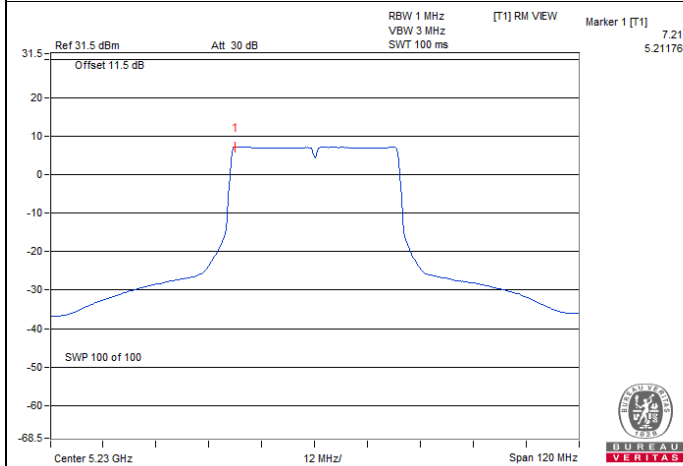
Spectrum Plot of Maximum Value



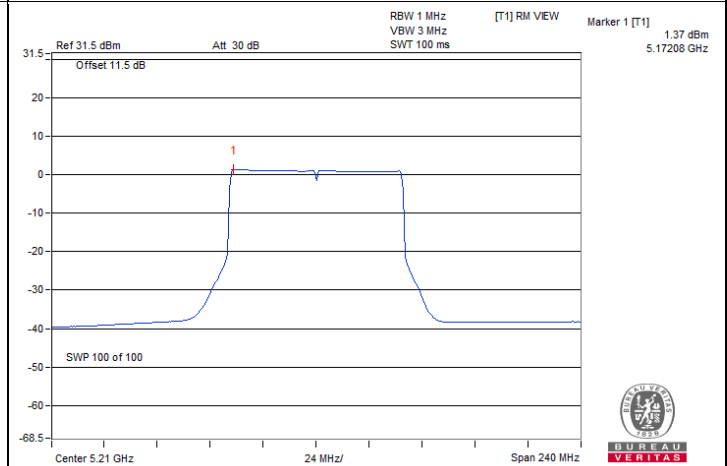
802.11a / Chain 1 : CH 48



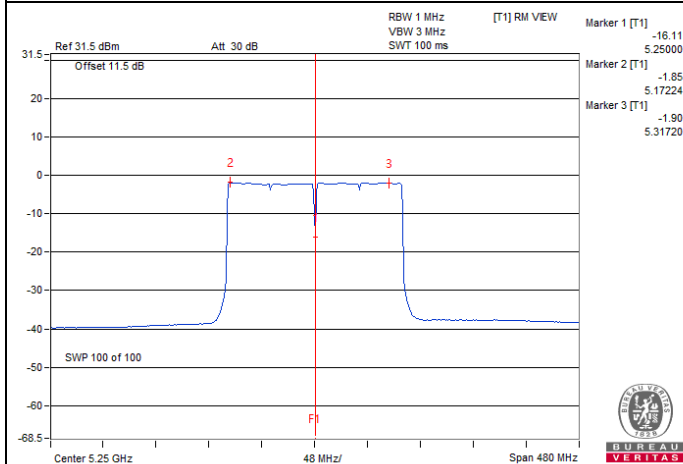
802.11be (EHT20) / Chain 2 : CH 36



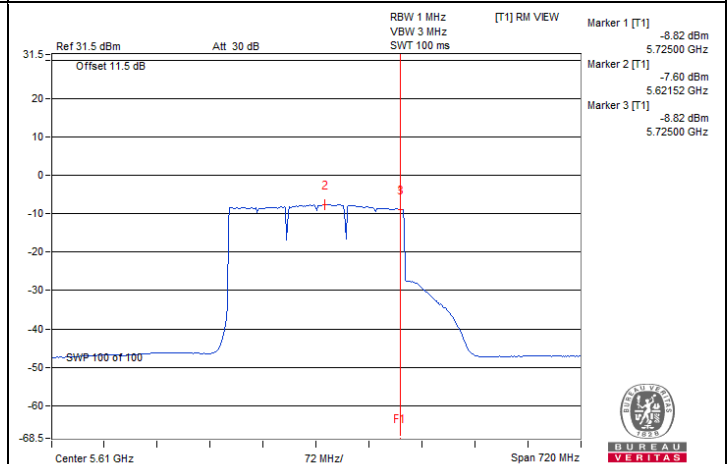
802.11be (EHT40) / Chain 2 : CH 46



802.11be (EHT80) / Chain 2 : CH 42

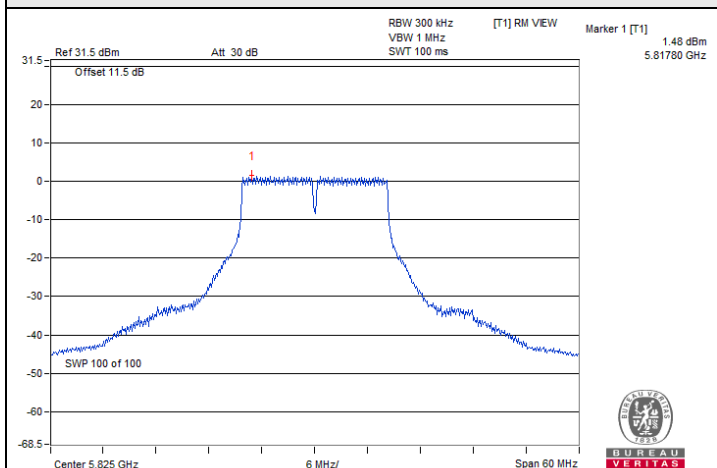


802.11be (EHT160) / Chain 2 : CH 50 (U-NII-1)

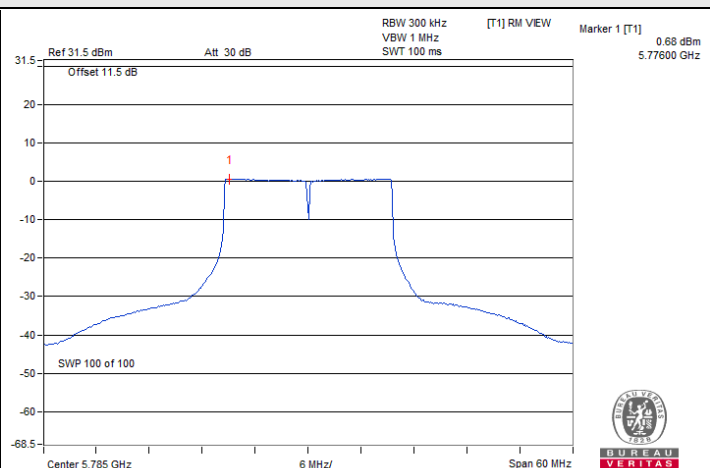


802.11be (EHT240) / Chain 3 : CH 114+138 (U-NII-2C)

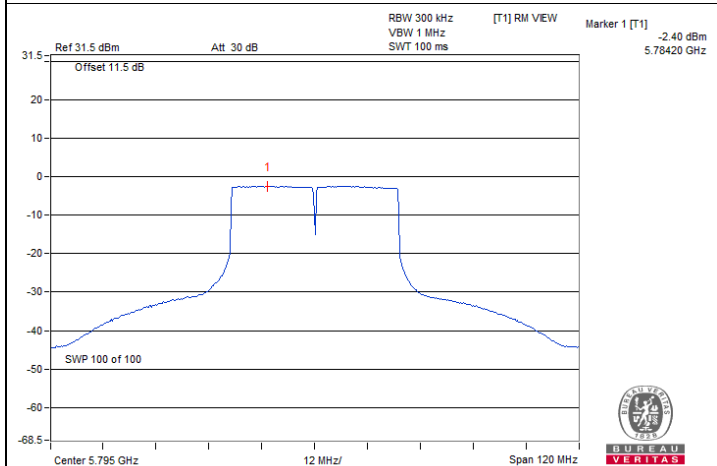
Spectrum Plot of Maximum Value



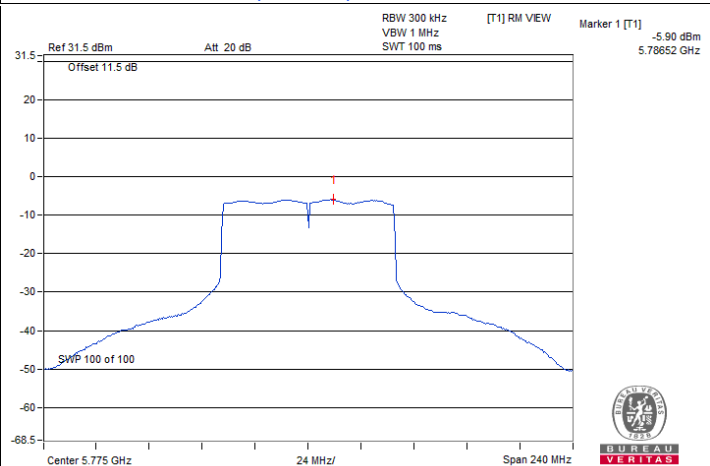
802.11a / Chain 2 : CH 165



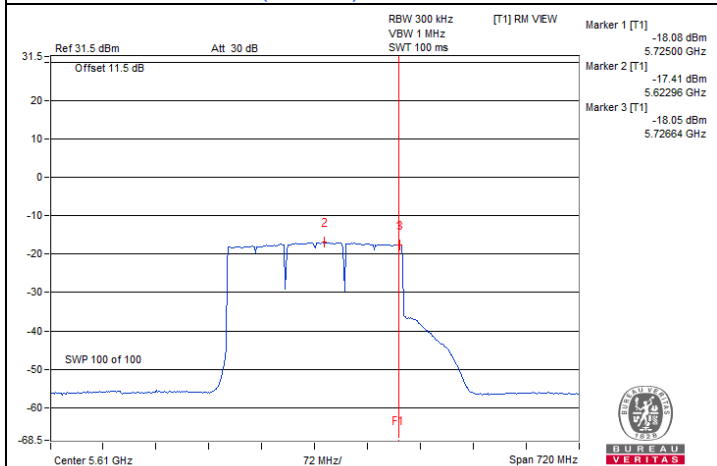
802.11be (EHT20) / Chain 3 : CH 157



802.11be (EHT40) / Chain 1 : CH 159



802.11be (EHT80) / Chain 1 : CH 155



802.11be (EHT240) / Chain 2 : CH 114+138 (U-NII-3)

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Noah Chang
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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	3.18	3.20	3.19	3.19	0.5	Pass
149	5745	16.41	16.40	16.41	16.43	0.5	Pass
157	5785	16.40	16.40	16.40	16.41	0.5	Pass
165	5825	16.44	16.41	16.40	16.41	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	4.54	4.54	4.53	4.52	0.5	Pass
149	5745	19.07	19.09	19.06	19.07	0.5	Pass
157	5785	19.11	19.05	19.07	19.05	0.5	Pass
165	5825	19.07	19.09	19.07	19.08	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	4.10	4.12	4.12	4.09	0.5	Pass
151	5755	38.29	38.38	38.25	38.17	0.5	Pass
159	5795	38.31	38.21	38.22	38.30	0.5	Pass

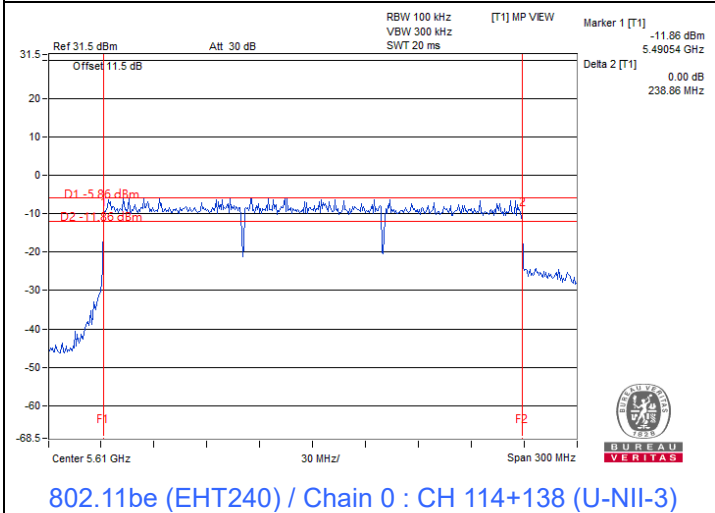
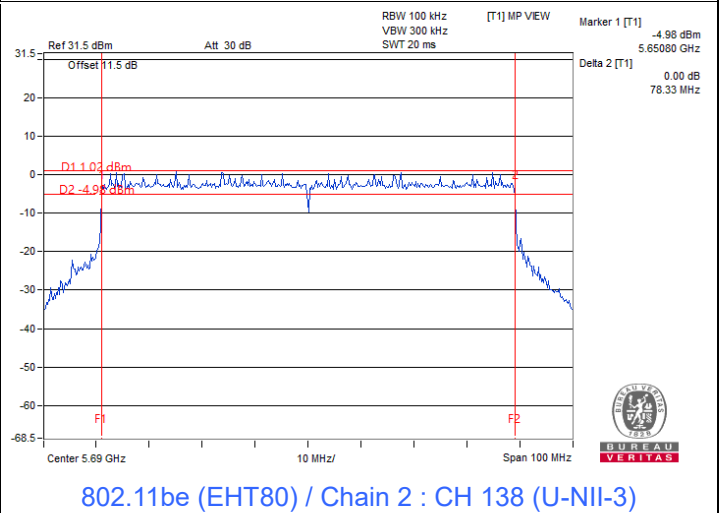
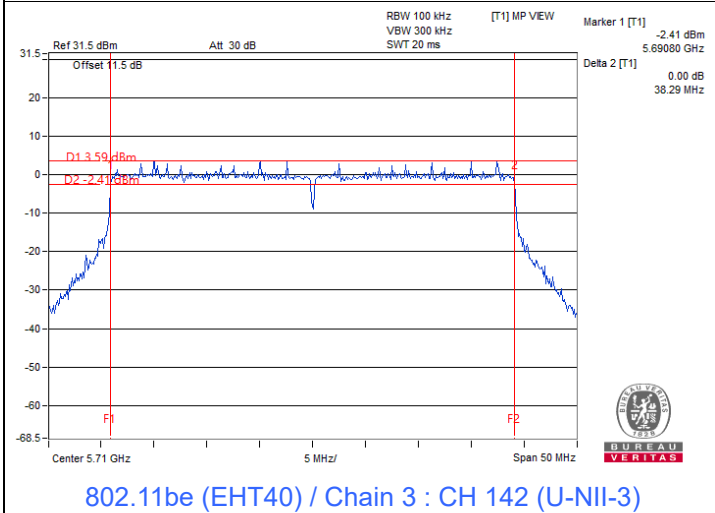
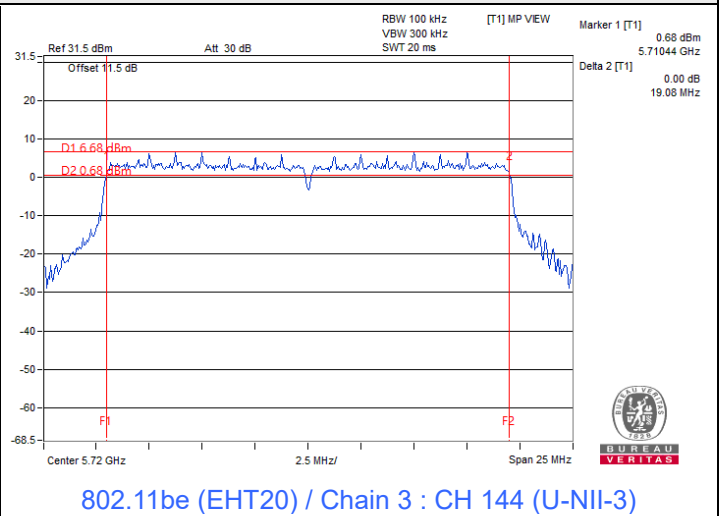
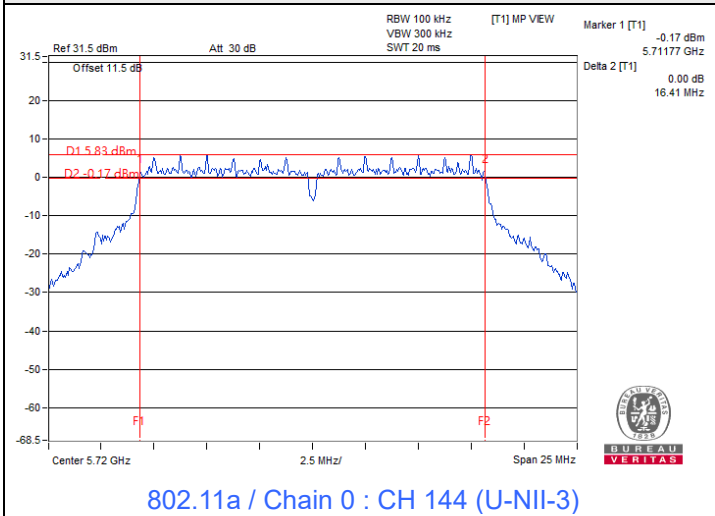
802.11be (EHT80)

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	4.17	4.15	4.13	4.18	0.5	Pass
155	5775	78.43	78.36	78.34	78.40	0.5	Pass

802.11be (EHT240)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
114+138 (U-NII-3)	5610	4.40	4.43	4.43	4.44	0.5	Pass

Spectrum Plot of Minimum Value



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, 60% RH	Tested By:	Noah Chang
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	17.04	17.16	17.04	17.16
40	5200	17.04	17.16	17.16	16.92
48	5240	17.16	17.16	17.16	17.16
52	5260	17.16	17.04	17.16	17.04
60	5300	17.16	17.04	17.16	17.04
64	5320	17.04	17.04	17.16	17.04
100	5500	17.16	16.92	17.04	17.16
116	5580	17.04	17.16	17.16	16.92
140	5700	17.16	17.04	17.16	17.04
144 (U-NII-2C)	5720	13.64	13.64	13.64	13.64
144 (U-NII-3)	5720	3.40	3.52	3.52	3.40
149	5745	17.16	17.16	17.16	17.04
157	5785	17.04	17.16	17.16	17.16
165	5825	17.04	17.28	17.04	17.16

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.32	19.20	19.32	19.20
40	5200	19.20	19.20	19.20	19.20
48	5240	19.20	19.20	19.20	19.32
52	5260	19.20	19.20	19.20	19.20
60	5300	19.20	19.20	19.20	19.20
64	5320	19.08	19.20	19.32	19.20
100	5500	19.20	19.20	19.20	19.20
116	5580	19.08	19.20	19.20	19.20
140	5700	19.20	19.20	19.20	19.32
144 (U-NII-2C)	5720	14.60	14.72	14.60	14.60
144 (U-NII-3)	5720	4.60	4.60	4.60	4.60
149	5745	19.20	19.32	19.20	19.20
157	5785	19.20	19.32	19.32	19.32
165	5825	19.32	19.32	19.32	19.32

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	39.36	39.12	39.36	39.36
46	5230	38.64	38.40	38.40	38.40
54	5270	38.64	38.40	38.40	38.40
62	5310	38.40	38.40	38.40	38.40
102	5510	38.64	38.64	38.40	38.64
110	5550	38.88	38.64	38.88	38.40
134	5670	38.64	38.64	38.40	38.40
142 (U-NII-2C)	5710	34.44	34.44	34.20	34.20
142 (U-NII-3)	5710	4.20	4.20	4.20	4.20
151	5755	38.64	38.64	38.40	38.40
159	5795	38.64	38.64	38.40	38.40

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	79.68	79.68	79.68	79.20
58	5290	78.24	79.68	77.76	77.76
106	5530	77.76	77.76	77.76	77.76
122	5610	77.76	77.76	77.76	77.76
138 (U-NII-2C)	5690	73.88	73.88	73.88	73.88
138 (U-NII-3)	5690	3.88	3.88	3.88	3.88
155	5775	77.76	77.76	77.76	77.76

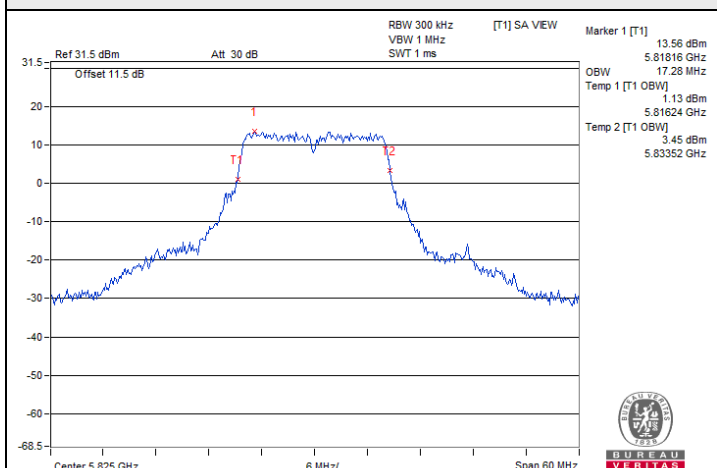
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	78.72	78.72	78.72	79.68
50 (U-NII-2A)	5250	78.72	78.72	78.72	78.72
114	5570	157.44	158.40	157.44	157.44

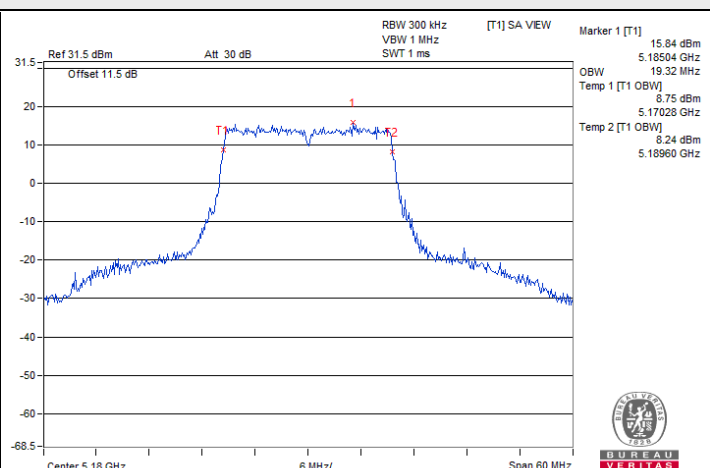
802.11be (EHT240)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
114+138 (U-NII-2C)	5610	234.52	233.08	233.08	234.52
114+138 (U-NII-3)	5610	4.52	4.52	5.96	5.96

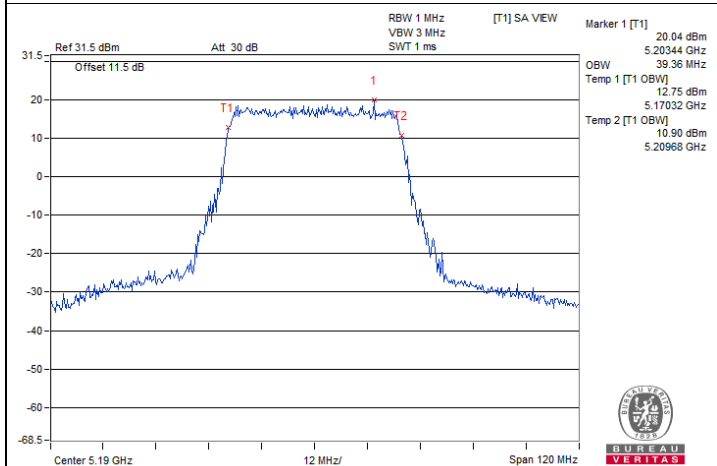
Spectrum Plot of Maximum Value



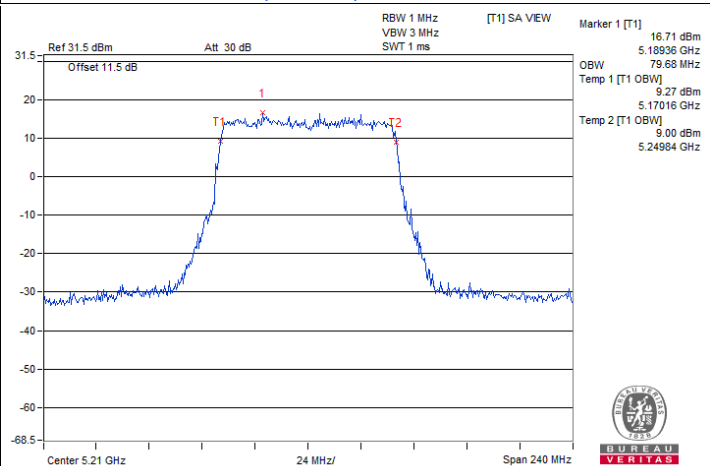
802.11a / Chain 1 : CH 165



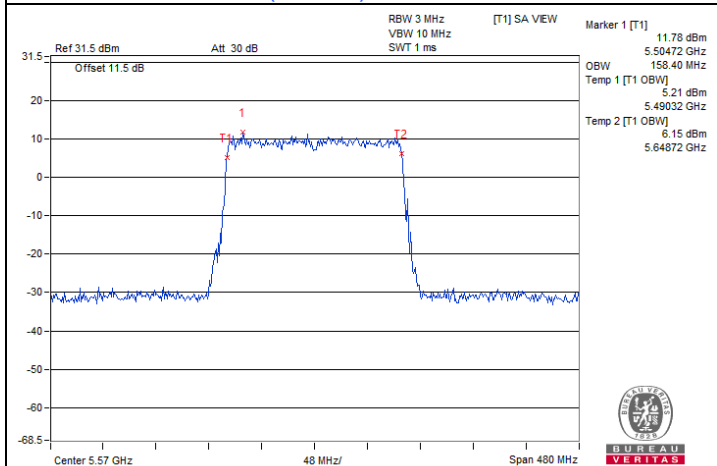
802.11be (EHT20) / Chain 0 : CH 36



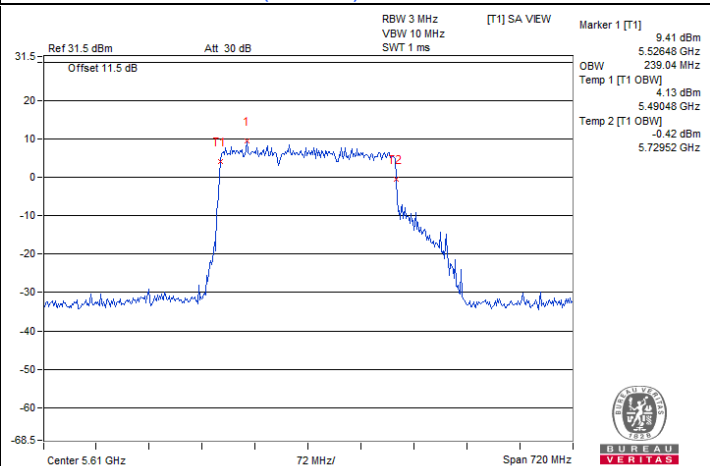
802.11be (EHT40) / Chain 0 : CH 38



802.11be (EHT80) / Chain 0 : CH 42

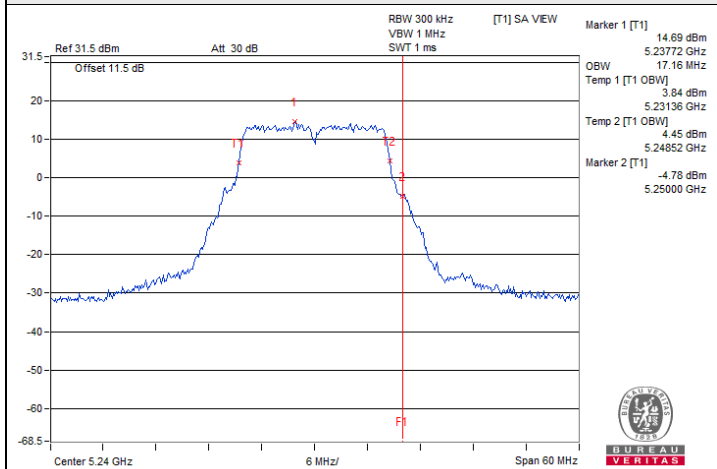


802.11be (EHT160) / Chain 1 : CH 114

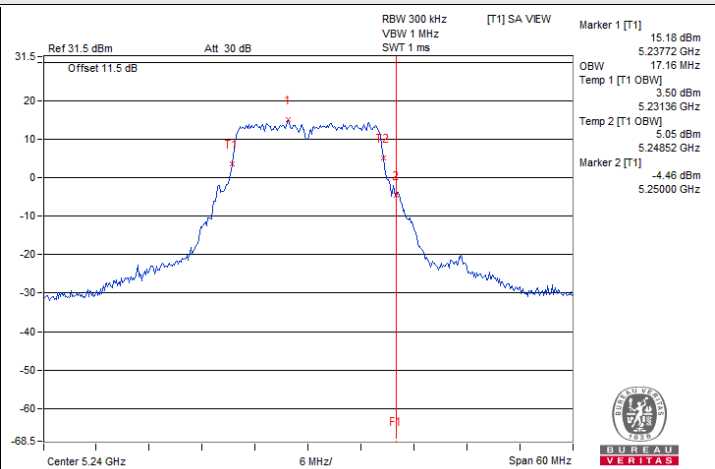


802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-2C)

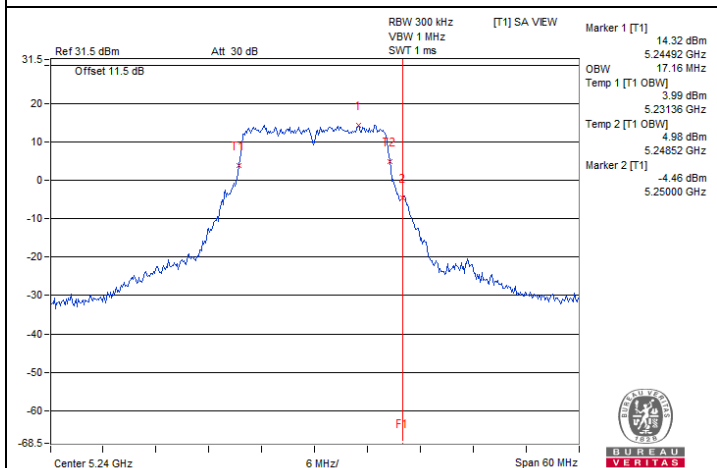
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



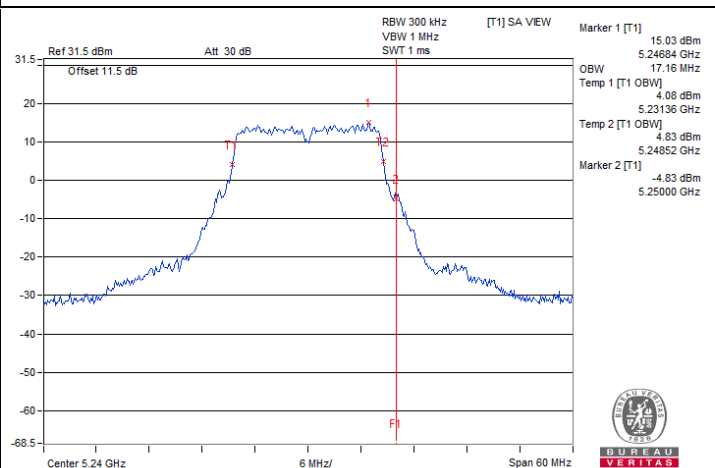
802.11a / Chain 0 : CH 48



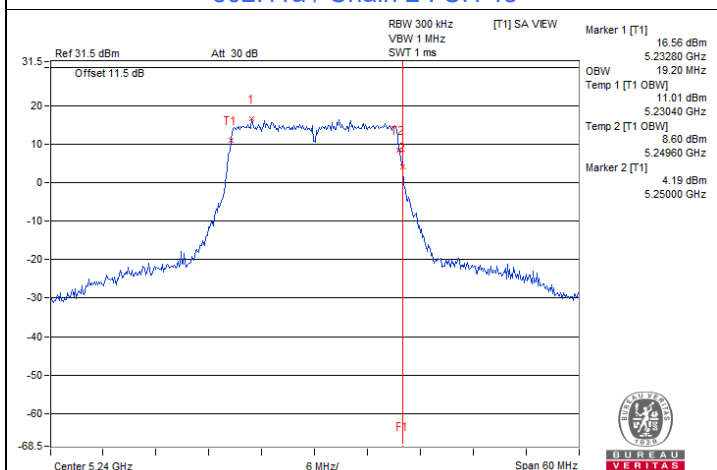
802.11a / Chain 1 : CH 48



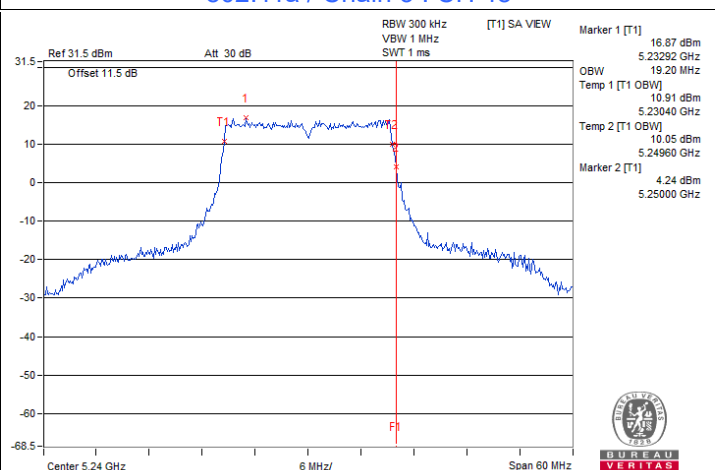
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48

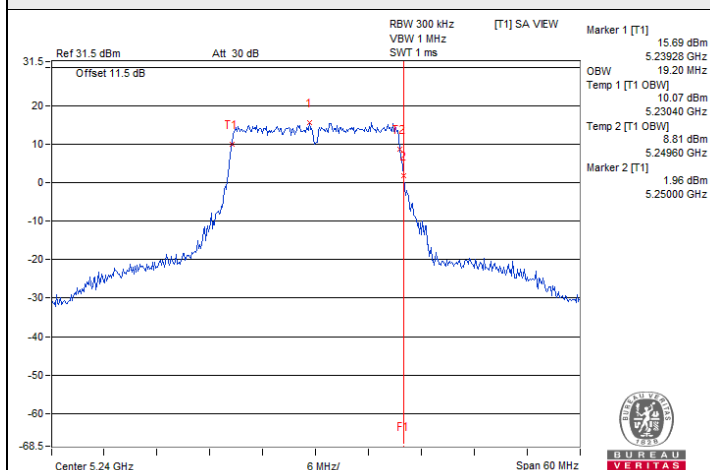


802.11be (EHT20) / Chain 0 : CH 48

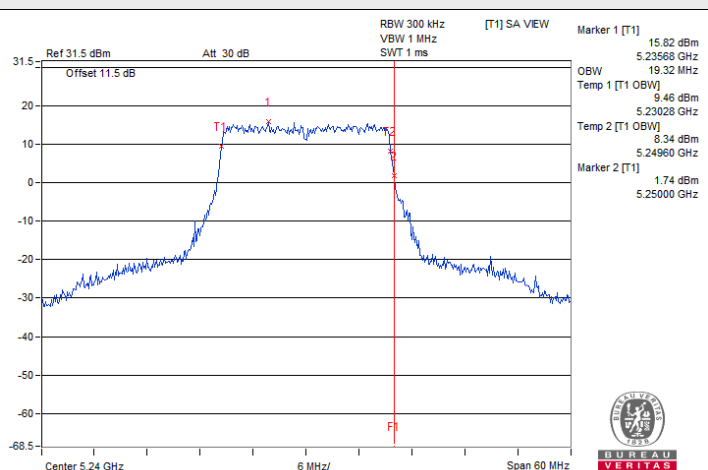


802.11be (EHT20) / Chain 1 : CH 48

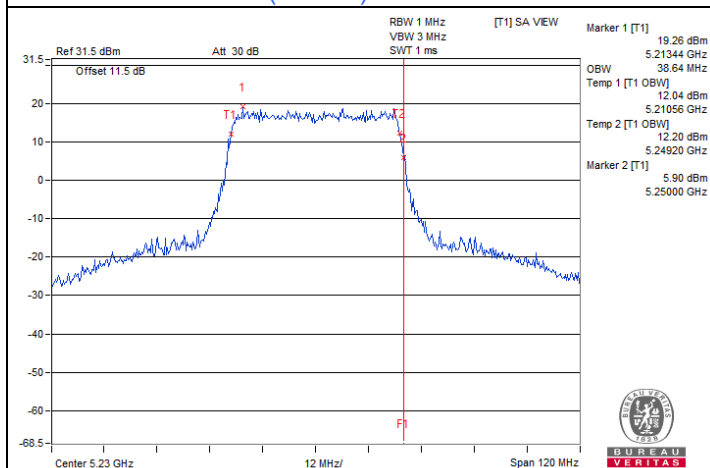
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



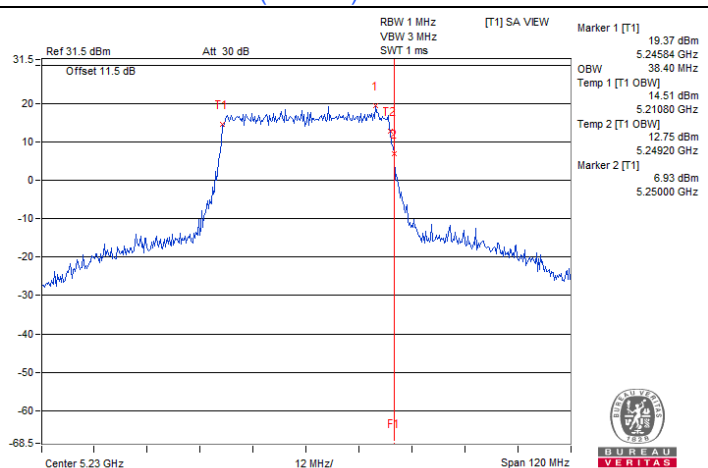
802.11be (EHT20) / Chain 2 : CH 48



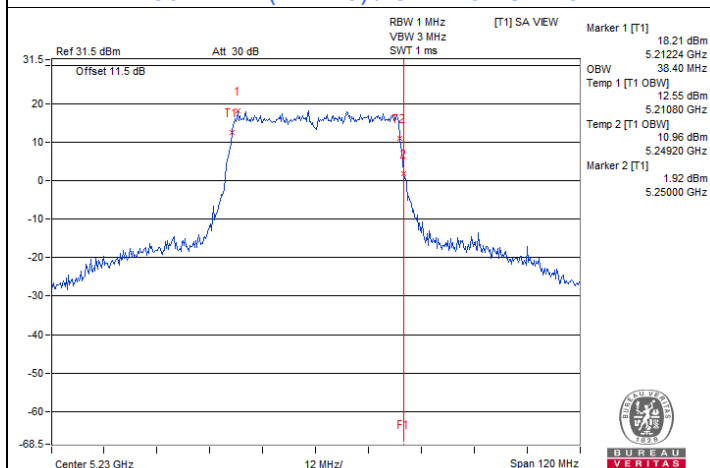
802.11be (EHT20) / Chain 3 : CH 48



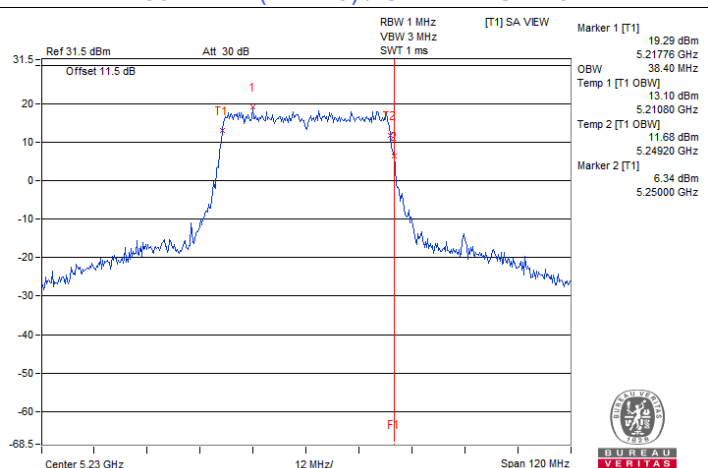
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT40) / Chain 1 : CH 46

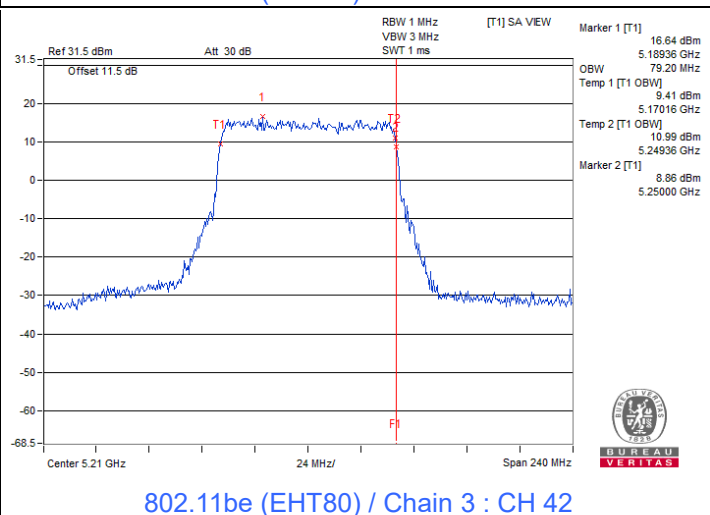
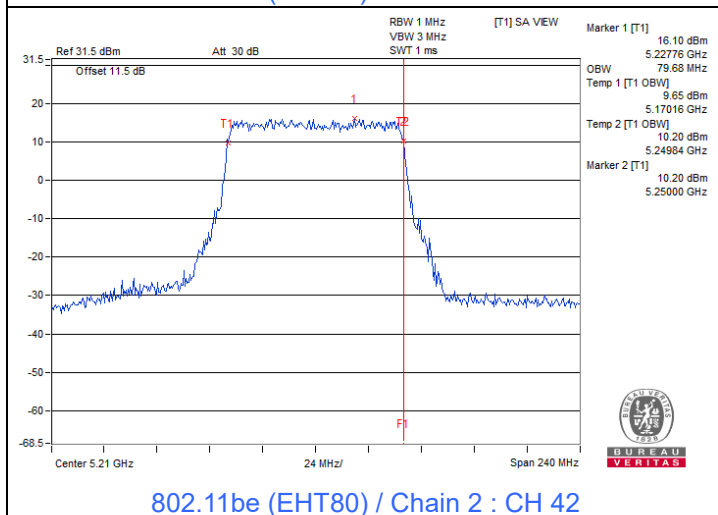
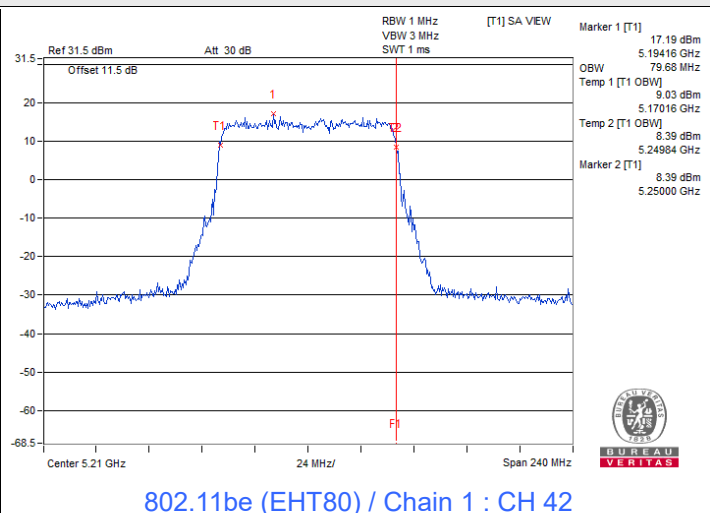
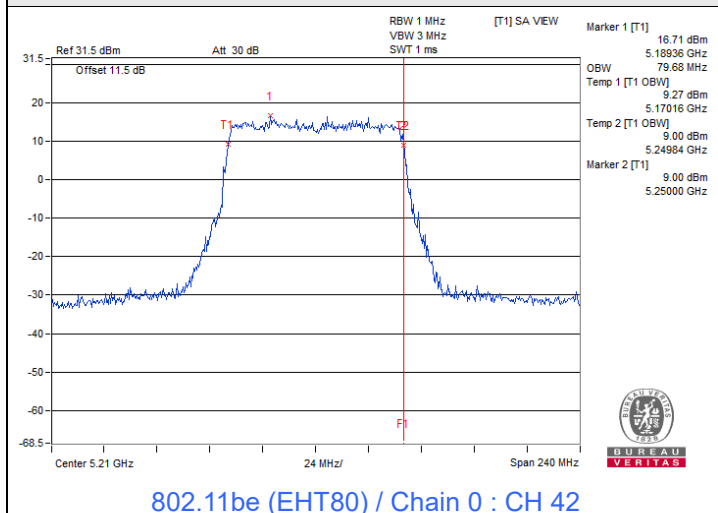


802.11be (EHT40) / Chain 2 : CH 46

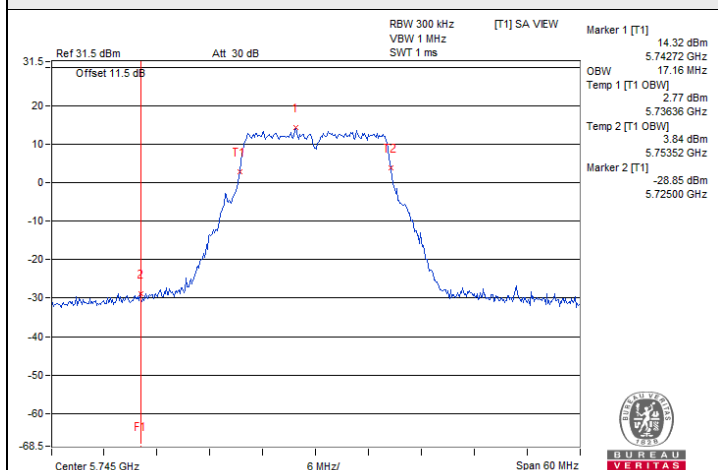


802.11be (EHT40) / Chain 3 : CH 46

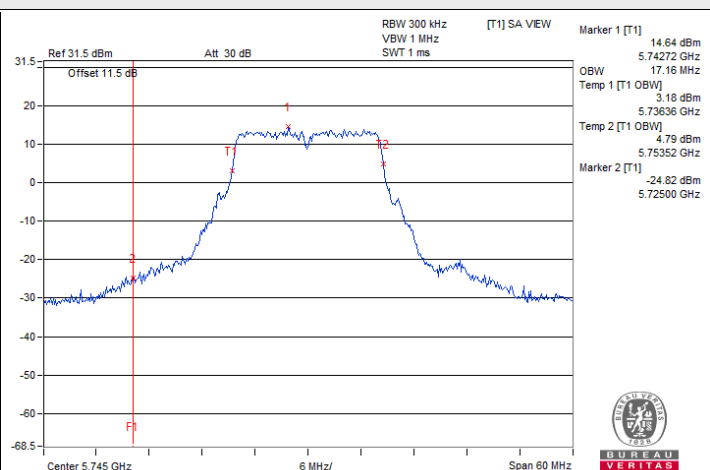
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



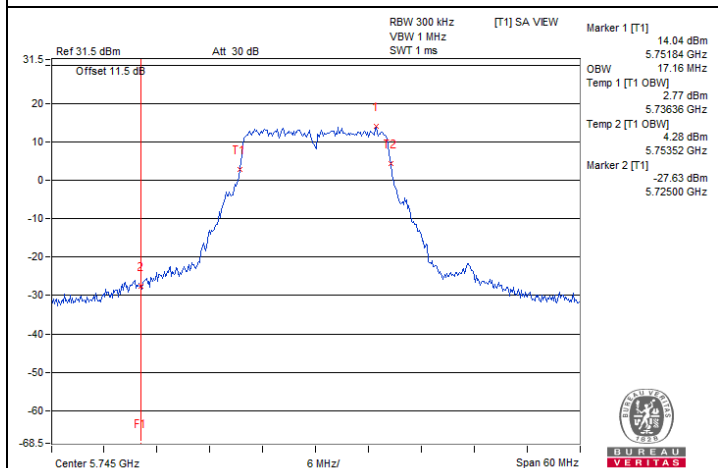
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



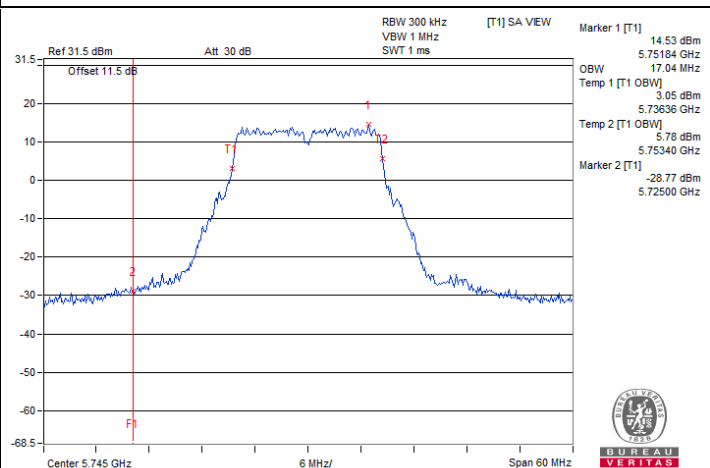
802.11a / Chain 0 : CH 149



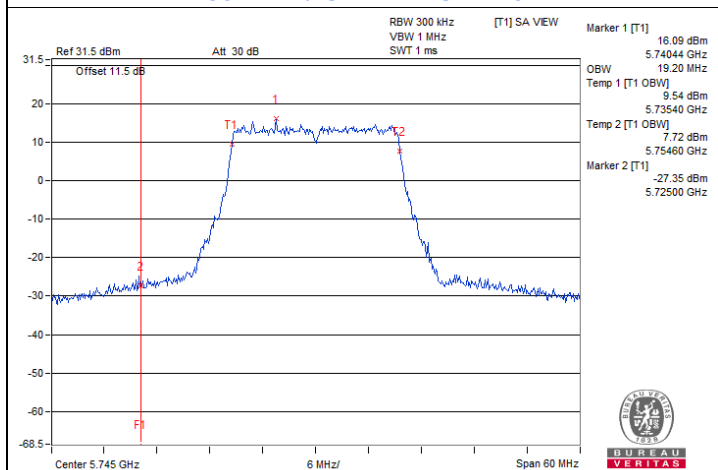
802.11a / Chain 1 : CH 149



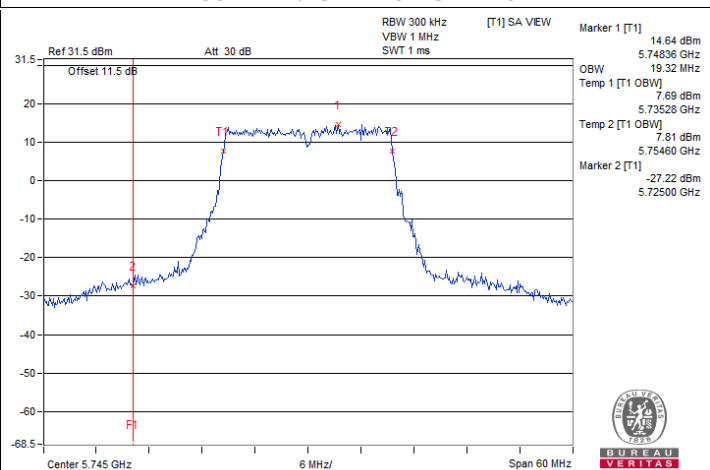
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149

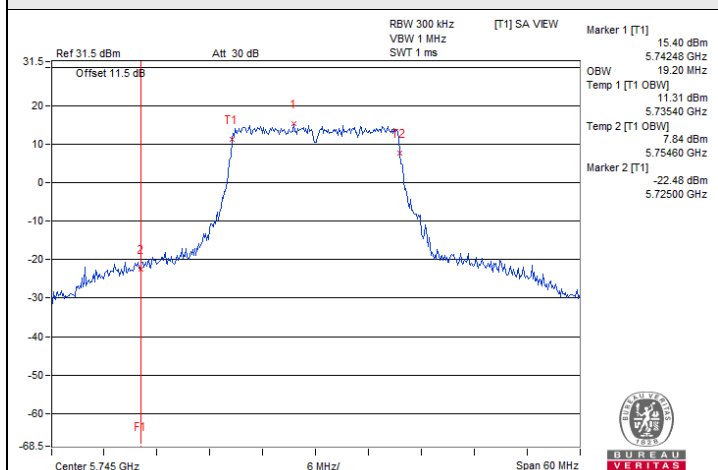


802.11be (EHT20) / Chain 0 : CH 149

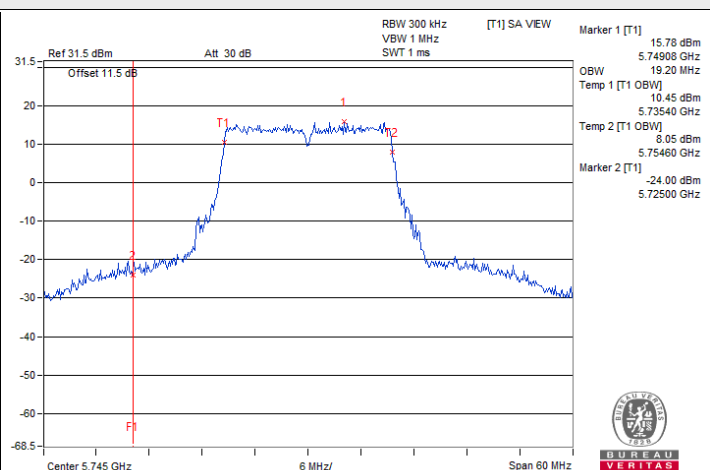


802.11be (EHT20) / Chain 1 : CH 149

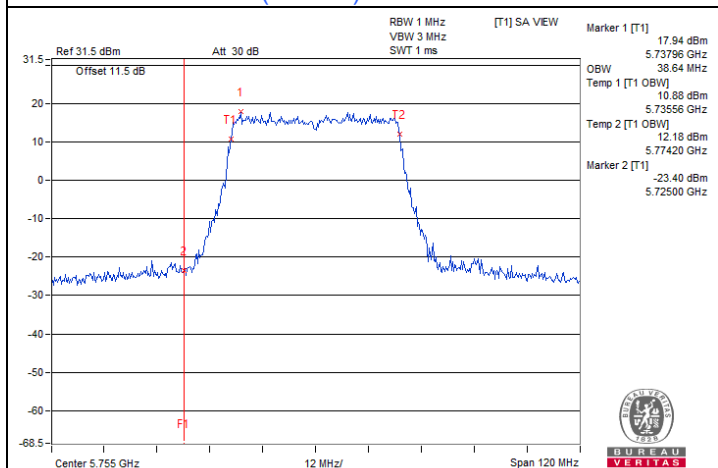
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



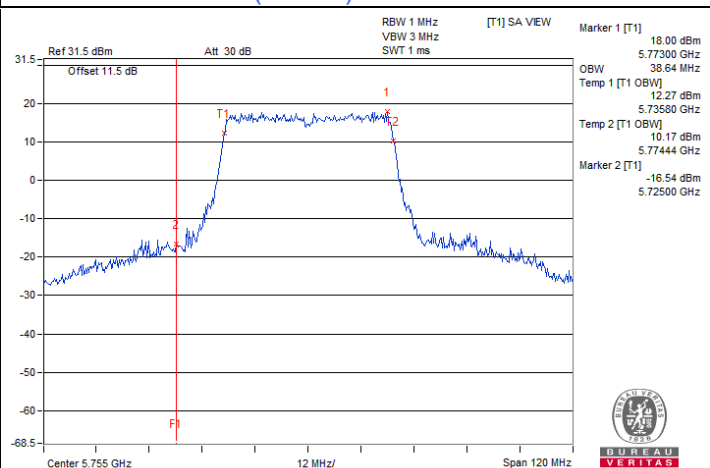
802.11be (EHT20) / Chain 2 : CH 149



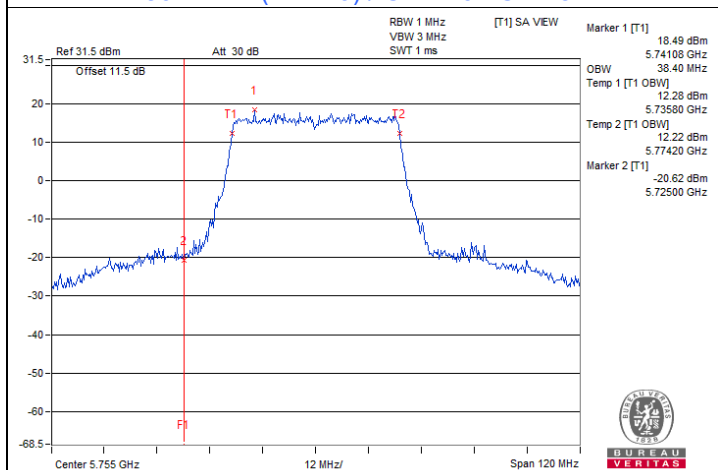
802.11be (EHT20) / Chain 3 : CH 149



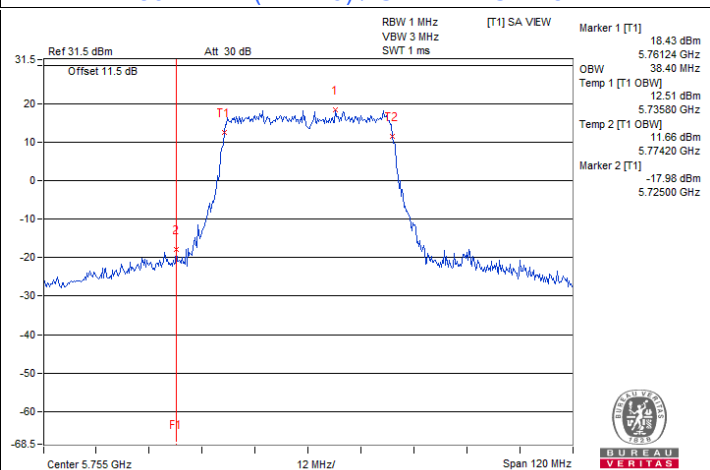
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151

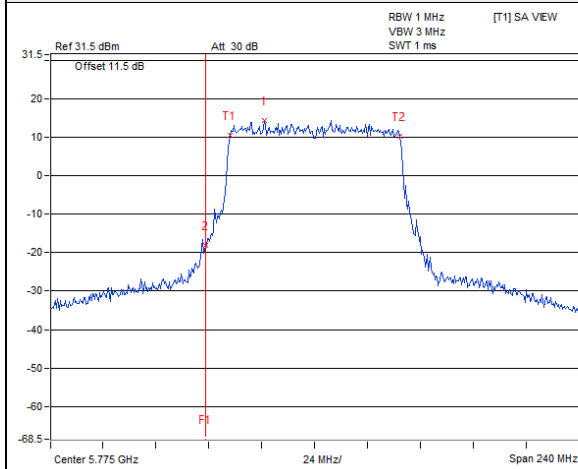


802.11be (EHT40) / Chain 2 : CH 151

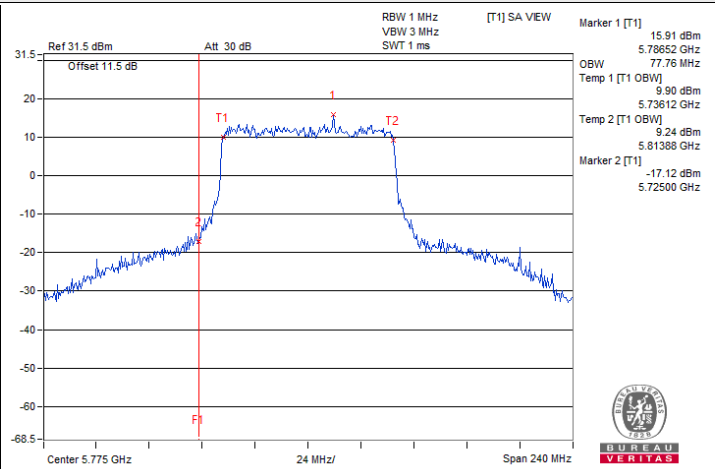


802.11be (EHT40) / Chain 3 : CH 151

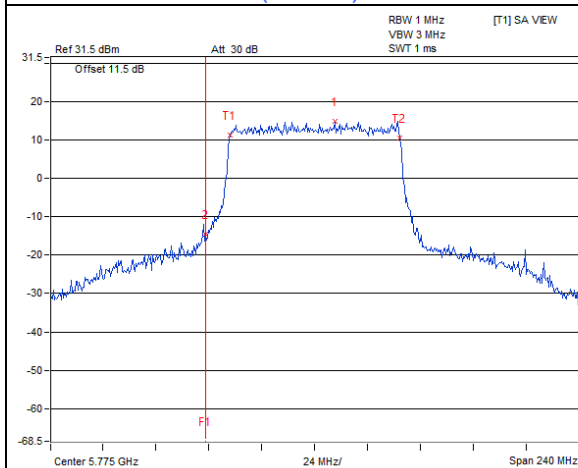
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



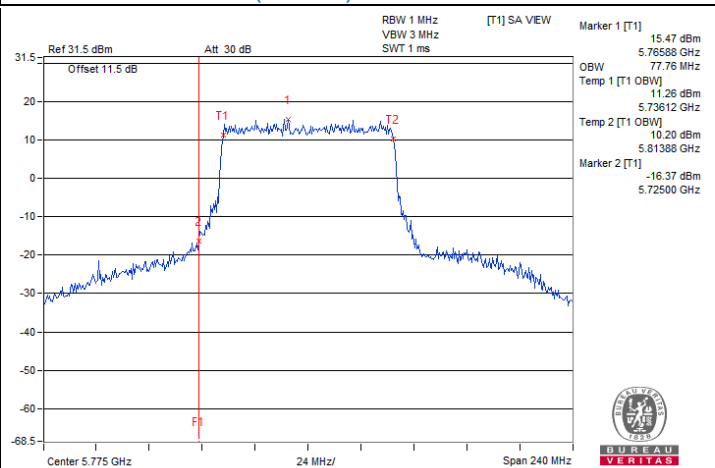
802.11be (EHT80) / Chain 0 : CH 155



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

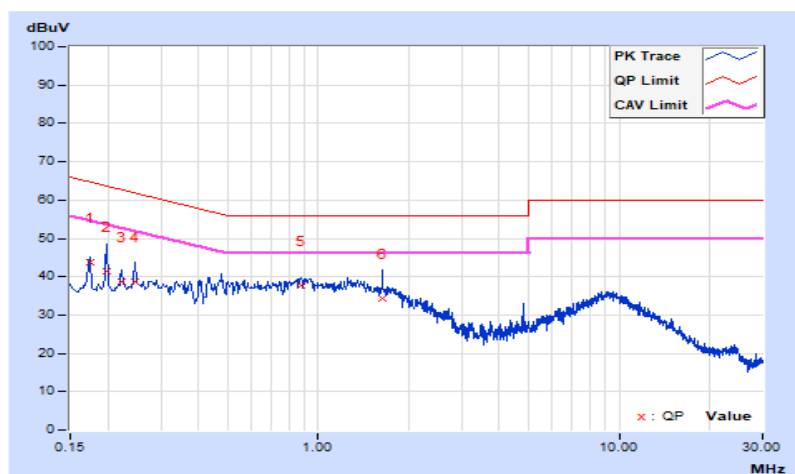
Mode A

RF Mode	802.11a	Channel	CH 157 : 5785 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	23 °C, 66 % RH
Tested By	Titan Hsu		

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	0.17400	9.69	33.96	22.19	43.65	31.88	64.77	54.77	-21.12	-22.89
2	0.19800	9.70	31.81	22.04	41.51	31.74	63.69	53.69	-22.18	-21.95
3	0.22200	9.71	28.98	22.96	38.69	32.67	62.74	52.74	-24.05	-20.07
4	0.24600	9.73	28.90	23.45	38.63	33.18	61.89	51.89	-23.26	-18.71
5	0.87400	9.84	27.83	22.95	37.67	32.79	56.00	46.00	-18.33	-13.21
6	1.63000	9.89	24.44	20.70	34.33	30.59	56.00	46.00	-21.67	-15.41

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

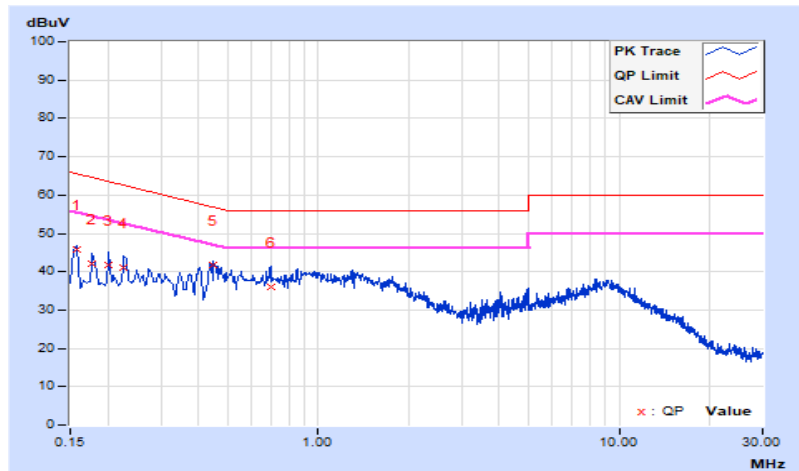


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

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	0.15770	9.68	36.20	24.51	45.88	34.19	65.58	55.58	-19.70	-21.39
2	0.17800	9.69	32.48	23.19	42.17	32.88	64.58	54.58	-22.41	-21.70
3	0.20200	9.70	32.06	21.20	41.76	30.90	63.53	53.53	-21.77	-22.63
4	0.22600	9.72	31.29	22.49	41.01	32.21	62.60	52.60	-21.59	-20.39
5	0.44999	9.84	31.90	26.78	41.74	36.62	56.88	46.88	-15.14	-10.26
6	0.69400	9.87	26.28	22.64	36.15	32.51	56.00	46.00	-19.85	-13.49

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



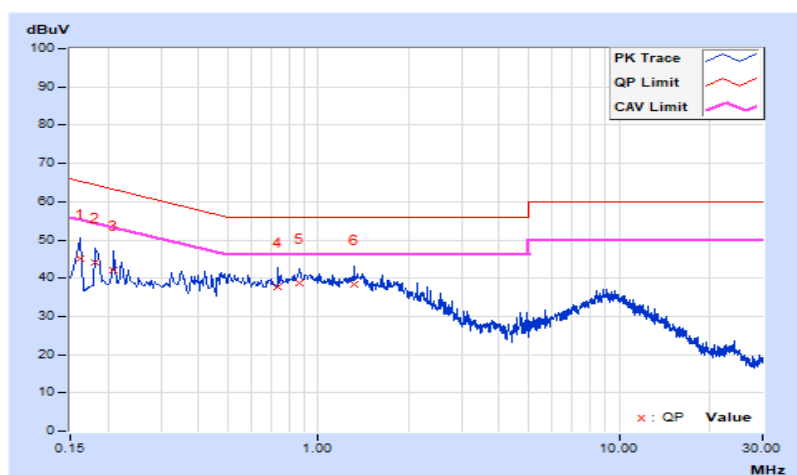
Mode B

RF Mode	802.11a	Channel	CH 157 : 5785 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	23 °C, 66 % RH
Tested By	Titan Hsu		

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	0.16190	9.68	35.59	24.25	45.27	33.93	65.37	55.37	-20.10	-21.44
2	0.18200	9.69	34.29	24.32	43.98	34.01	64.39	54.39	-20.41	-20.38
3	0.21000	9.71	32.32	23.51	42.03	33.22	63.21	53.21	-21.18	-19.99
4	0.73800	9.84	27.92	24.20	37.76	34.04	56.00	46.00	-18.24	-11.96
5	0.86600	9.84	29.01	21.47	38.85	31.31	56.00	46.00	-17.15	-14.69
6	1.31400	9.87	28.42	22.00	38.29	31.87	56.00	46.00	-17.71	-14.13

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 157 : 5785 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	23 °C, 66 % RH
Tested By	Titan Hsu		

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	0.15800	9.68	35.53	24.90	45.21	34.58	65.57	55.57	-20.36	-20.99
2	0.19400	9.70	32.77	22.55	42.47	32.25	63.86	53.86	-21.39	-21.61
3	0.27400	9.75	29.48	23.15	39.23	32.90	61.00	51.00	-21.77	-18.10
4	0.37000	9.82	26.12	19.11	35.94	28.93	58.50	48.50	-22.56	-19.57
5	0.44200	9.84	33.64	26.86	43.48	36.70	57.02	47.02	-13.54	-10.32
6	0.95400	9.90	29.82	23.57	39.72	33.47	56.00	46.00	-16.28	-12.53

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

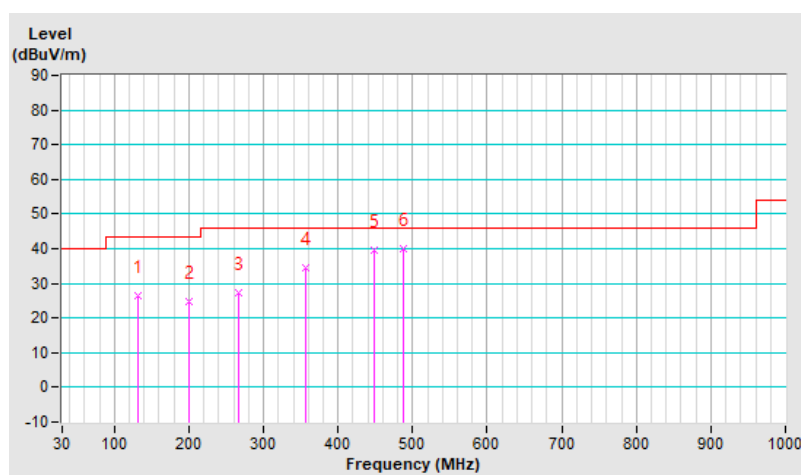
Mode A

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

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	132.62	26.5 QP	43.5	-17.0	1.50 H	271	36.3	-9.8
2	200.10	24.8 QP	43.5	-18.7	1.01 H	258	36.3	-11.5
3	266.17	27.3 QP	46.0	-18.7	1.01 H	259	35.6	-8.3
4	356.14	34.5 QP	46.0	-11.5	1.01 H	111	40.9	-6.4
5	448.93	39.7 QP	46.0	-6.3	1.50 H	293	44.0	-4.3
6	486.88	40.0 QP	46.0	-6.0	1.50 H	79	43.8	-3.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit 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.

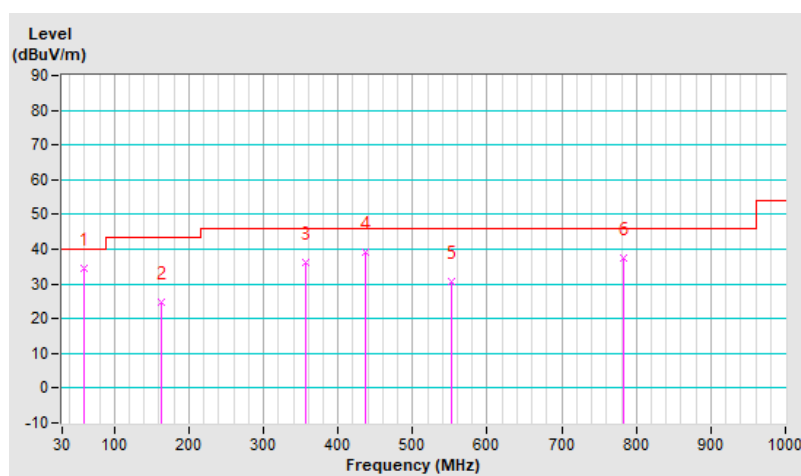


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

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	59.52	34.4 QP	40.0	-5.6	1.00 V	283	43.7	-9.3
2	162.14	24.8 QP	43.5	-18.7	1.49 V	337	33.3	-8.5
3	356.14	36.0 QP	46.0	-10.0	1.00 V	185	42.4	-6.4
4	436.28	39.3 QP	46.0	-6.7	1.00 V	260	44.0	-4.7
5	552.96	30.8 QP	46.0	-15.2	1.00 V	18	33.4	-2.6
6	782.10	37.5 QP	46.0	-8.5	1.49 V	28	34.7	2.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit 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.



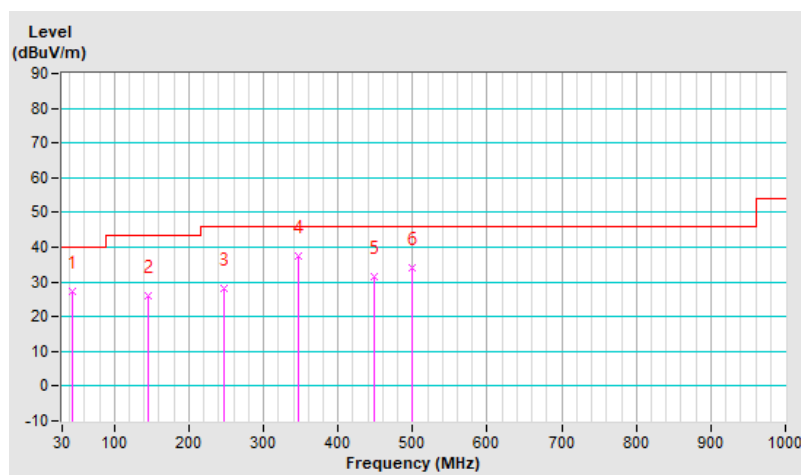
Mode B

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	44.06	27.1 QP	40.0	-12.9	1.49 H	232	36.3	-9.2
2	145.28	25.9 QP	43.5	-17.6	1.49 H	257	34.7	-8.8
3	246.49	28.2 QP	46.0	-17.8	1.00 H	260	37.5	-9.3
4	347.71	37.5 QP	46.0	-8.5	1.00 H	151	44.1	-6.6
5	448.93	31.4 QP	46.0	-14.6	1.49 H	314	35.7	-4.3
6	499.54	33.9 QP	46.0	-12.1	1.00 H	245	37.5	-3.6

Remarks:

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

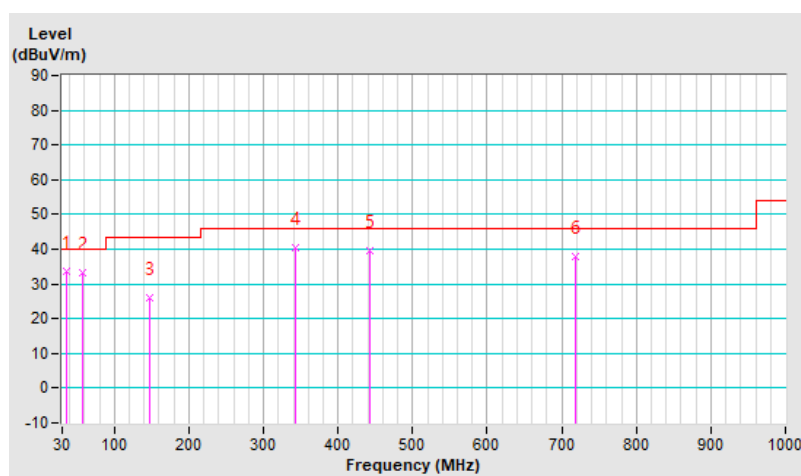


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

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	35.62	33.6 QP	40.0	-6.4	1.00 V	6	43.7	-10.1
2	58.12	33.1 QP	40.0	-6.9	1.00 V	226	42.3	-9.2
3	146.68	26.2 QP	43.5	-17.3	1.00 V	158	34.9	-8.7
4	343.49	40.3 QP	46.0	-5.7	1.50 V	195	46.9	-6.6
5	443.30	39.4 QP	46.0	-6.6	1.00 V	277	43.9	-4.5
6	718.84	37.8 QP	46.0	-8.2	1.00 V	6	36.6	1.2

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 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

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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	5144.00	63.1 PK	74.0	-10.9	1.13 H	342	50.4	12.7
2	5144.00	48.8 AV	54.0	-5.2	1.13 H	342	36.1	12.7
3	*5180.00	120.0 PK			1.13 H	342	76.9	43.1
4	*5180.00	110.5 AV			1.13 H	342	67.4	43.1
5	#10360.00	64.1 PK	68.2	-4.1	1.95 H	180	42.4	21.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5144.00	63.9 PK	74.0	-10.1	1.46 V	75	51.2	12.7
2	5144.00	49.6 AV	54.0	-4.4	1.46 V	75	36.9	12.7
3	*5180.00	122.8 PK			1.46 V	75	79.7	43.1
4	*5180.00	113.2 AV			1.46 V	75	70.1	43.1
5	#10360.00	64.6 PK	68.2	-3.6	1.60 V	133	42.9	21.7

Remarks:

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

RF Mode	802.11a	Channel	CH 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	120.0 PK			1.07 H	341	77.0	43.0
2	*5200.00	110.6 AV			1.07 H	341	67.6	43.0
3	#10400.00	64.0 PK	68.2	-4.2	1.92 H	182	42.0	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	122.1 PK			1.43 V	76	79.1	43.0
2	*5200.00	112.8 AV			1.43 V	76	69.8	43.0
3	#10400.00	64.9 PK	68.2	-3.3	1.58 V	134	42.9	22.0

Remarks:

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

RF Mode	802.11a	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	120.3 PK			1.06 H	342	77.3	43.0
2	*5240.00	110.8 AV			1.06 H	342	67.8	43.0
3	5350.00	60.9 PK	74.0	-13.1	1.06 H	342	48.0	12.9
4	5350.00	47.5 AV	54.0	-6.5	1.06 H	342	34.6	12.9
5	#10480.00	64.1 PK	68.2	-4.1	1.99 H	172	42.2	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	122.4 PK			1.53 V	75	79.4	43.0
2	*5240.00	113.1 AV			1.53 V	75	70.1	43.0
3	5350.00	61.3 PK	74.0	-12.7	1.53 V	75	48.4	12.9
4	5350.00	48.0 AV	54.0	-6.0	1.53 V	75	35.1	12.9
5	#10480.00	64.7 PK	68.2	-3.5	1.60 V	132	42.8	21.9

Remarks:

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

RF Mode	802.11a	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	60.9 PK	74.0	-13.1	1.00 H	341	48.2	12.7
2	5150.00	47.7 AV	54.0	-6.3	1.00 H	341	35.0	12.7
3	*5260.00	113.5 PK			1.00 H	341	70.5	43.0
4	*5260.00	103.8 AV			1.00 H	341	60.8	43.0
5	#10520.00	64.0 PK	68.2	-4.2	1.89 H	172	42.1	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.7 PK	74.0	-12.3	1.98 V	357	49.0	12.7
2	5150.00	48.5 AV	54.0	-5.5	1.98 V	357	35.8	12.7
3	*5260.00	118.0 PK			1.98 V	357	75.0	43.0
4	*5260.00	108.0 AV			1.98 V	357	65.0	43.0
5	#10520.00	64.7 PK	68.2	-3.5	1.67 V	138	42.8	21.9

Remarks:

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

RF Mode	802.11a	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	113.1 PK			1.00 H	342	70.0	43.1
2	*5300.00	102.5 AV			1.00 H	342	59.4	43.1
3	10600.00	64.1 PK	74.0	-9.9	1.89 H	178	42.1	22.0
4	10600.00	49.2 AV	54.0	-4.8	1.89 H	178	27.2	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	118.5 PK			2.03 V	358	75.4	43.1
2	*5300.00	108.3 AV			2.03 V	358	65.2	43.1
3	10600.00	64.7 PK	74.0	-9.3	1.66 V	135	42.7	22.0
4	10600.00	50.2 AV	54.0	-3.8	1.66 V	135	28.2	22.0

Remarks:

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

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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.7 PK			1.22 H	339	69.5	43.2
2	*5320.00	102.7 AV			1.22 H	339	59.5	43.2
3	5350.00	61.1 PK	74.0	-12.9	1.22 H	339	48.2	12.9
4	5350.00	48.1 AV	54.0	-5.9	1.22 H	339	35.2	12.9
5	10640.00	64.3 PK	74.0	-9.7	1.89 H	177	42.0	22.3
6	10640.00	49.3 AV	54.0	-4.7	1.89 H	177	27.0	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	118.3 PK			1.88 V	358	75.1	43.2
2	*5320.00	108.1 AV			1.88 V	358	64.9	43.2
3	5350.00	62.0 PK	74.0	-12.0	1.88 V	358	49.1	12.9
4	5350.00	48.8 AV	54.0	-5.2	1.88 V	358	35.9	12.9
5	10640.00	65.0 PK	74.0	-9.0	1.61 V	139	42.7	22.3
6	10640.00	50.4 AV	54.0	-3.6	1.61 V	139	28.1	22.3

Remarks:

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

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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	1.03 H	337	48.0	13.0
2	5460.00	48.5 AV	54.0	-5.5	1.03 H	337	35.5	13.0
3	#5470.00	61.0 PK	68.2	-7.2	1.03 H	337	48.0	13.0
4	*5500.00	112.3 PK			1.03 H	337	68.8	43.5
5	*5500.00	102.8 AV			1.03 H	337	59.3	43.5
6	11000.00	65.0 PK	74.0	-9.0	1.85 H	180	42.2	22.8
7	11000.00	49.8 AV	54.0	-4.2	1.85 H	180	27.0	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.2 PK	74.0	-12.8	1.94 V	357	48.2	13.0
2	5460.00	48.7 AV	54.0	-5.3	1.94 V	357	35.7	13.0
3	#5470.00	63.0 PK	68.2	-5.2	1.94 V	357	50.0	13.0
4	*5500.00	118.8 PK			1.94 V	357	75.3	43.5
5	*5500.00	109.0 AV			1.94 V	357	65.5	43.5
6	11000.00	65.6 PK	74.0	-8.4	1.66 V	139	42.8	22.8
7	11000.00	50.2 AV	54.0	-3.8	1.66 V	139	27.4	22.8

Remarks:

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

RF Mode	802.11a	Channel	CH 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	110.9 PK			1.04 H	336	67.3	43.6
2	*5580.00	101.9 AV			1.04 H	336	58.3	43.6
3	11160.00	64.7 PK	74.0	-9.3	1.89 H	173	42.4	22.3
4	11160.00	49.5 AV	54.0	-4.5	1.89 H	173	27.2	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	119.1 PK			1.98 V	353	75.5	43.6
2	*5580.00	109.4 AV			1.98 V	353	65.8	43.6
3	11160.00	65.1 PK	74.0	-8.9	1.68 V	133	42.8	22.3
4	11160.00	49.8 AV	54.0	-4.2	1.68 V	133	27.5	22.3

Remarks:

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

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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	112.2 PK			1.04 H	44	68.0	44.2
2	*5700.00	102.6 AV			1.04 H	44	58.4	44.2
3	#5725.00	62.0 PK	68.2	-6.2	1.04 H	44	48.3	13.7
4	11400.00	65.7 PK	74.0	-8.3	1.86 H	177	42.3	23.4
5	11400.00	50.7 AV	54.0	-3.3	1.86 H	177	27.3	23.4
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	*5700.00	117.9 PK			1.96 V	354	73.7	44.2
2	*5700.00	109.0 AV			1.96 V	354	64.8	44.2
3	#5725.00	62.5 PK	68.2	-5.7	1.96 V	354	48.8	13.7
4	11400.00	65.9 PK	74.0	-8.1	1.74 V	145	42.5	23.4
5	11400.00	51.0 AV	54.0	-3.0	1.74 V	145	27.6	23.4

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 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	61.3 PK	68.2	-6.9	1.04 H	43	48.3	13.0
2	*5720.00	112.3 PK			1.04 H	43	67.9	44.4
3	*5720.00	103.0 AV			1.04 H	43	58.6	44.4
4	#5850.00	62.2 PK	68.2	-6.0	1.04 H	43	48.2	14.0
5	11440.00	65.5 PK	74.0	-8.5	1.90 H	185	42.2	23.3
6	11440.00	50.6 AV	54.0	-3.4	1.90 H	185	27.3	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.0 PK	68.2	-6.2	1.97 V	353	49.0	13.0
2	*5720.00	118.5 PK			1.97 V	353	74.1	44.4
3	*5720.00	108.8 AV			1.97 V	353	64.4	44.4
4	#5850.00	62.7 PK	68.2	-5.5	1.97 V	353	48.7	14.0
5	11440.00	65.8 PK	74.0	-8.2	1.74 V	139	42.5	23.3
6	11440.00	50.8 AV	54.0	-3.2	1.74 V	139	27.5	23.3

Remarks:

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

RF Mode	802.11a	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5643.20	61.1 PK	68.2	-7.1	1.03 H	43	47.9	13.2
2	*5745.00	118.9 PK			1.03 H	43	74.3	44.6
3	*5745.00	109.4 AV			1.03 H	43	64.8	44.6
4	#5957.60	62.0 PK	68.2	-6.2	1.03 H	43	47.8	14.2
5	11490.00	64.0 PK	74.0	-10.0	1.79 H	185	40.8	23.2
6	11490.00	49.5 AV	54.0	-4.5	1.79 H	185	26.3	23.2
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	#5631.60	61.0 PK	68.2	-7.2	1.66 V	358	47.9	13.1
2	*5745.00	123.3 PK			1.66 V	358	78.7	44.6
3	*5745.00	113.9 AV			1.66 V	358	69.3	44.6
4	#5931.60	61.7 PK	68.2	-6.5	1.66 V	358	47.5	14.2
5	11490.00	64.4 PK	74.0	-9.6	1.72 V	135	41.2	23.2
6	11490.00	50.1 AV	54.0	-3.9	1.72 V	135	26.9	23.2

Remarks:

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

RF Mode	802.11a	Channel	CH 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5604.80	61.0 PK	68.2	-7.2	1.03 H	43	48.0	13.0
2	*5785.00	118.4 PK			1.03 H	43	73.6	44.8
3	*5785.00	109.0 AV			1.03 H	43	64.2	44.8
4	#5952.00	62.5 PK	68.2	-5.7	1.03 H	43	48.3	14.2
5	11570.00	63.2 PK	74.0	-10.8	1.78 H	179	40.2	23.0
6	11570.00	49.3 AV	54.0	-4.7	1.78 H	179	26.3	23.0
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	#5608.00	60.9 PK	68.2	-7.3	1.73 V	356	47.9	13.0
2	*5785.00	123.4 PK			1.73 V	356	78.6	44.8
3	*5785.00	113.5 AV			1.73 V	356	68.7	44.8
4	#5994.00	62.3 PK	68.2	-5.9	1.73 V	356	47.9	14.4
5	11570.00	63.8 PK	74.0	-10.2	1.75 V	139	40.8	23.0
6	11570.00	49.8 AV	54.0	-4.2	1.75 V	139	26.8	23.0

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 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5628.40	61.2 PK	68.2	-7.0	1.00 H	46	48.1	13.1
2	*5825.00	118.0 PK			1.00 H	46	73.3	44.7
3	*5825.00	108.4 AV			1.00 H	46	63.7	44.7
4	#5998.40	62.6 PK	68.2	-5.6	1.00 H	46	48.2	14.4
5	11650.00	62.8 PK	74.0	-11.2	1.79 H	188	40.2	22.6
6	11650.00	48.9 AV	54.0	-5.1	1.79 H	188	26.3	22.6
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	#5628.80	60.5 PK	68.2	-7.7	1.12 V	356	47.4	13.1
2	*5825.00	122.5 PK			1.12 V	356	77.8	44.7
3	*5825.00	112.9 AV			1.12 V	356	68.2	44.7
4	#5944.80	62.5 PK	68.2	-5.7	1.12 V	356	48.3	14.2
5	11650.00	63.4 PK	74.0	-10.6	1.68 V	132	40.8	22.6
6	11650.00	49.3 AV	54.0	-4.7	1.68 V	132	26.7	22.6

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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.7 PK	74.0	-8.3	1.09 H	341	53.0	12.7
2	5150.00	50.9 AV	54.0	-3.1	1.09 H	341	38.2	12.7
3	*5180.00	121.9 PK			1.09 H	341	78.8	43.1
4	*5180.00	109.2 AV			1.09 H	341	66.1	43.1
5	#10360.00	63.7 PK	68.2	-4.5	1.92 H	182	42.0	21.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5144.00	66.4 PK	74.0	-7.6	1.50 V	77	53.7	12.7
2	5144.00	51.7 AV	54.0	-2.3	1.50 V	77	39.0	12.7
3	*5180.00	124.1 PK			1.50 V	77	81.0	43.1
4	*5180.00	111.6 AV			1.50 V	77	68.5	43.1
5	#10360.00	64.5 PK	68.2	-3.7	1.65 V	138	42.8	21.7

Remarks:

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

RF Mode	802.11be (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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	121.5 PK			1.18 H	342	78.5	43.0
2	*5200.00	109.0 AV			1.18 H	342	66.0	43.0
3	#10400.00	64.0 PK	68.2	-4.2	1.88 H	175	42.0	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	124.9 PK			1.54 V	75	81.9	43.0
2	*5200.00	112.5 AV			1.54 V	75	69.5	43.0
3	#10400.00	64.7 PK	68.2	-3.5	1.59 V	132	42.7	22.0

Remarks:

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

RF Mode	802.11be (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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	121.2 PK			1.15 H	341	78.2	43.0
2	*5240.00	109.0 AV			1.15 H	341	66.0	43.0
3	5350.00	60.5 PK	74.0	-13.5	1.15 H	341	47.6	12.9
4	5350.00	47.4 AV	54.0	-6.6	1.15 H	341	34.5	12.9
5	#10480.00	64.0 PK	68.2	-4.2	1.95 H	182	42.1	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	124.7 PK			1.52 V	76	81.7	43.0
2	*5240.00	112.4 AV			1.52 V	76	69.4	43.0
3	5350.00	60.7 PK	74.0	-13.3	1.52 V	76	47.8	12.9
4	5350.00	48.0 AV	54.0	-6.0	1.52 V	76	35.1	12.9
5	#10480.00	64.6 PK	68.2	-3.6	1.62 V	140	42.7	21.9

Remarks:

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

RF Mode	802.11be (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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	60.7 PK	74.0	-13.3	1.39 H	6	48.0	12.7
2	5150.00	47.4 AV	54.0	-6.6	1.39 H	6	34.7	12.7
3	*5260.00	114.4 PK			1.39 H	6	71.4	43.0
4	*5260.00	102.0 AV			1.39 H	6	59.0	43.0
5	#10520.00	64.0 PK	68.2	-4.2	1.86 H	175	42.1	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.7 PK	74.0	-12.3	1.92 V	357	49.0	12.7
2	5150.00	48.5 AV	54.0	-5.5	1.92 V	357	35.8	12.7
3	*5260.00	120.6 PK			1.92 V	357	77.6	43.0
4	*5260.00	108.2 AV			1.92 V	357	65.2	43.0
5	#10520.00	64.5 PK	68.2	-3.7	1.64 V	129	42.6	21.9

Remarks:

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

RF Mode	802.11be (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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	114.3 PK			1.19 H	340	71.2	43.1
2	*5300.00	101.6 AV			1.19 H	340	58.5	43.1
3	10600.00	64.2 PK	74.0	-9.8	1.96 H	182	42.2	22.0
4	10600.00	49.0 AV	54.0	-5.0	1.96 H	182	27.0	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	120.9 PK			1.83 V	356	77.8	43.1
2	*5300.00	107.7 AV			1.83 V	356	64.6	43.1
3	10600.00	64.8 PK	74.0	-9.2	1.60 V	133	42.8	22.0
4	10600.00	50.3 AV	54.0	-3.7	1.60 V	133	28.3	22.0

Remarks:

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

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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	115.0 PK			1.15 H	341	71.8	43.2
2	*5320.00	102.1 AV			1.15 H	341	58.9	43.2
3	5350.00	61.1 PK	74.0	-12.9	1.15 H	341	48.2	12.9
4	5350.00	47.7 AV	54.0	-6.3	1.15 H	341	34.8	12.9
5	10640.00	64.3 PK	74.0	-9.7	1.92 H	188	42.0	22.3
6	10640.00	49.5 AV	54.0	-4.5	1.92 H	188	27.2	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	120.4 PK			1.85 V	356	77.2	43.2
2	*5320.00	107.2 AV			1.85 V	356	64.0	43.2
3	5350.00	62.1 PK	74.0	-11.9	1.85 V	356	49.2	12.9
4	5350.00	48.6 AV	54.0	-5.4	1.85 V	356	35.7	12.9
5	10640.00	64.8 PK	74.0	-9.2	1.66 V	134	42.5	22.3
6	10640.00	50.4 AV	54.0	-3.6	1.66 V	134	28.1	22.3

Remarks:

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

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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	1.02 H	339	48.1	13.0
2	5460.00	48.3 AV	54.0	-5.7	1.02 H	339	35.3	13.0
3	#5470.00	62.0 PK	68.2	-6.2	1.02 H	339	49.0	13.0
4	*5500.00	114.1 PK			1.02 H	339	70.6	43.5
5	*5500.00	101.6 AV			1.02 H	339	58.1	43.5
6	11000.00	65.2 PK	74.0	-8.8	1.78 H	180	42.4	22.8
7	11000.00	50.3 AV	54.0	-3.7	1.78 H	180	27.5	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.2 PK	74.0	-12.8	2.07 V	354	48.2	13.0
2	5460.00	48.4 AV	54.0	-5.6	2.07 V	354	35.4	13.0
3	#5470.00	62.5 PK	68.2	-5.7	2.07 V	354	49.5	13.0
4	*5500.00	120.0 PK			2.07 V	354	76.5	43.5
5	*5500.00	108.0 AV			2.07 V	354	64.5	43.5
6	11000.00	65.4 PK	74.0	-8.6	1.64 V	133	42.6	22.8
7	11000.00	50.6 AV	54.0	-3.4	1.64 V	133	27.8	22.8

Remarks:

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

RF Mode	802.11be (EHT20)	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	114.9 PK			1.04 H	337	71.3	43.6
2	*5580.00	101.5 AV			1.04 H	337	57.9	43.6
3	11160.00	64.5 PK	74.0	-9.5	1.78 H	182	42.2	22.3
4	11160.00	49.5 AV	54.0	-4.5	1.78 H	182	27.2	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	121.1 PK			1.96 V	355	77.5	43.6
2	*5580.00	108.3 AV			1.96 V	355	64.7	43.6
3	11160.00	64.8 PK	74.0	-9.2	1.70 V	139	42.5	22.3
4	11160.00	49.9 AV	54.0	-4.1	1.70 V	139	27.6	22.3

Remarks:

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

RF Mode	802.11be (EHT20)	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	115.1 PK			1.00 H	44	70.9	44.2
2	*5700.00	102.6 AV			1.00 H	44	58.4	44.2
3	#5725.00	62.2 PK	68.2	-6.0	1.00 H	44	48.5	13.7
4	11400.00	65.7 PK	74.0	-8.3	1.78 H	180	42.3	23.4
5	11400.00	50.5 AV	54.0	-3.5	1.78 H	180	27.1	23.4
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	*5700.00	120.7 PK			1.92 V	352	76.5	44.2
2	*5700.00	108.5 AV			1.92 V	352	64.3	44.2
3	#5725.00	62.6 PK	68.2	-5.6	1.92 V	352	48.9	13.7
4	11400.00	65.8 PK	74.0	-8.2	1.69 V	138	42.4	23.4
5	11400.00	51.0 AV	54.0	-3.0	1.69 V	138	27.6	23.4

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 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	61.9 PK	68.2	-6.3	1.00 H	44	48.9	13.0
2	*5720.00	114.6 PK			1.00 H	44	70.2	44.4
3	*5720.00	102.4 AV			1.00 H	44	58.0	44.4
4	#5850.00	62.3 PK	68.2	-5.9	1.00 H	44	48.3	14.0
5	11440.00	65.4 PK	74.0	-8.6	1.78 H	188	42.1	23.3
6	11440.00	50.5 AV	54.0	-3.5	1.78 H	188	27.2	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.6 PK	68.2	-5.6	2.03 V	351	49.6	13.0
2	*5720.00	120.8 PK			2.03 V	351	76.4	44.4
3	*5720.00	107.7 AV			2.03 V	351	63.3	44.4
4	#5850.00	62.8 PK	68.2	-5.4	2.03 V	351	48.8	14.0
5	11440.00	65.7 PK	74.0	-8.3	1.59 V	142	42.4	23.3
6	11440.00	51.1 AV	54.0	-2.9	1.59 V	142	27.8	23.3

Remarks:

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

RF Mode	802.11be (EHT20)	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5614.80	61.2 PK	68.2	-7.0	1.00 H	44	48.1	13.1
2	*5745.00	121.1 PK			1.00 H	44	76.5	44.6
3	*5745.00	108.4 AV			1.00 H	44	63.8	44.6
4	#5930.40	63.3 PK	68.2	-4.9	1.00 H	44	49.1	14.2
5	11490.00	63.4 PK	74.0	-10.6	1.85 H	190	40.2	23.2
6	11490.00	49.5 AV	54.0	-4.5	1.85 H	190	26.3	23.2
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	#5646.40	60.8 PK	68.2	-7.4	2.05 V	354	47.5	13.3
2	*5745.00	125.3 PK			2.05 V	354	80.7	44.6
3	*5745.00	113.1 AV			2.05 V	354	68.5	44.6
4	#5928.40	62.3 PK	68.2	-5.9	2.05 V	354	48.1	14.2
5	11490.00	63.9 PK	74.0	-10.1	1.65 V	139	40.7	23.2
6	11490.00	49.7 AV	54.0	-4.3	1.65 V	139	26.5	23.2

Remarks:

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

RF Mode	802.11be (EHT20)	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5649.60	60.9 PK	68.2	-7.3	1.05 H	43	47.6	13.3
2	*5785.00	120.4 PK			1.05 H	43	75.6	44.8
3	*5785.00	108.7 AV			1.05 H	43	63.9	44.8
4	#5983.60	63.1 PK	68.2	-5.1	1.05 H	43	48.8	14.3
5	11570.00	63.2 PK	74.0	-10.8	1.84 H	190	40.2	23.0
6	11570.00	49.3 AV	54.0	-4.7	1.84 H	190	26.3	23.0
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	#5614.00	61.1 PK	68.2	-7.1	1.93 V	352	48.0	13.1
2	*5785.00	124.6 PK			1.93 V	352	79.8	44.8
3	*5785.00	112.9 AV			1.93 V	352	68.1	44.8
4	#5998.80	62.0 PK	68.2	-6.2	1.93 V	352	47.6	14.4
5	11570.00	63.7 PK	74.0	-10.3	1.62 V	148	40.7	23.0
6	11570.00	49.6 AV	54.0	-4.4	1.62 V	148	26.6	23.0

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	802.11be (EHT20)	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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5628.00	61.3 PK	68.2	-6.9	1.05 H	46	48.2	13.1
2	*5825.00	120.2 PK			1.05 H	46	75.5	44.7
3	*5825.00	107.9 AV			1.05 H	46	63.2	44.7
4	#5996.00	62.4 PK	68.2	-5.8	1.05 H	46	48.0	14.4
5	11650.00	63.1 PK	74.0	-10.9	1.79 H	188	40.5	22.6
6	11650.00	49.1 AV	54.0	-4.9	1.79 H	188	26.5	22.6
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	#5628.00	61.4 PK	68.2	-6.8	1.92 V	354	48.3	13.1
2	*5825.00	125.2 PK			1.92 V	354	80.5	44.7
3	*5825.00	112.7 AV			1.92 V	354	68.0	44.7
4	#5945.60	62.4 PK	68.2	-5.8	1.92 V	354	48.2	14.2
5	11650.00	63.6 PK	74.0	-10.4	1.69 V	145	41.0	22.6
6	11650.00	49.3 AV	54.0	-4.7	1.69 V	145	26.7	22.6

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 (EHT40)	Channel	CH 38 : 5190 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.7 PK	74.0	-8.3	1.14 H	340	53.0	12.7
2	5150.00	52.2 AV	54.0	-1.8	1.14 H	340	39.5	12.7
3	*5190.00	116.7 PK			1.14 H	340	73.6	43.1
4	*5190.00	103.8 AV			1.14 H	340	60.7	43.1
5	#10380.00	63.9 PK	68.2	-4.3	1.92 H	188	42.0	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.1 PK	74.0	-7.9	1.48 V	77	53.4	12.7
2	5150.00	53.9 AV	54.0	-0.1	1.48 V	77	41.2	12.7
3	*5190.00	120.2 PK			1.48 V	77	77.1	43.1
4	*5190.00	107.1 AV			1.48 V	77	64.0	43.1
5	#10380.00	64.5 PK	68.2	-3.7	1.55 V	129	42.6	21.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 46 : 5230 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	118.8 PK			1.12 H	343	75.8	43.0
2	*5230.00	106.7 AV			1.12 H	343	63.7	43.0
3	5350.00	60.9 PK	74.0	-13.1	1.12 H	43	48.0	12.9
4	5350.00	47.4 AV	54.0	-6.6	1.12 H	43	34.5	12.9
5	#10460.00	64.2 PK	68.2	-4.0	1.92 H	180	42.2	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	121.1 PK			1.42 V	77	78.1	43.0
2	*5230.00	109.4 AV			1.42 V	77	66.4	43.0
3	5350.00	61.3 PK	74.0	-12.7	1.42 V	77	48.4	12.9
4	5350.00	48.0 AV	54.0	-6.0	1.42 V	77	35.1	12.9
5	#10460.00	64.7 PK	68.2	-3.5	1.69 V	128	42.7	22.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 54 : 5270 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	60.9 PK	74.0	-13.1	1.03 H	342	48.2	12.7
2	5150.00	47.5 AV	54.0	-6.5	1.03 H	342	34.8	12.7
3	*5270.00	113.4 PK			1.03 H	342	70.4	43.0
4	*5270.00	99.9 AV			1.03 H	342	56.9	43.0
5	#10540.00	63.9 PK	68.2	-4.3	1.95 H	180	42.0	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.6 PK	74.0	-12.4	1.91 V	357	48.9	12.7
2	5150.00	48.5 AV	54.0	-5.5	1.91 V	357	35.8	12.7
3	*5270.00	117.8 PK			1.91 V	357	74.8	43.0
4	*5270.00	105.8 AV			1.91 V	357	62.8	43.0
5	#10540.00	64.8 PK	68.2	-3.4	1.69 V	145	42.9	21.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 62 : 5310 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	113.4 PK			1.04 H	341	70.3	43.1
2	*5310.00	99.0 AV			1.04 H	341	55.9	43.1
3	5350.00	60.9 PK	74.0	-13.1	1.04 H	341	48.0	12.9
4	5350.00	47.9 AV	54.0	-6.1	1.04 H	341	35.0	12.9
5	10620.00	64.2 PK	74.0	-9.8	1.89 H	177	42.1	22.1
6	10620.00	49.2 AV	54.0	-4.8	1.89 H	177	27.1	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	117.1 PK			1.94 V	357	74.0	43.1
2	*5310.00	104.9 AV			1.94 V	357	61.8	43.1
3	5350.00	61.4 PK	74.0	-12.6	1.94 V	357	48.5	12.9
4	5350.00	48.5 AV	54.0	-5.5	1.94 V	357	35.6	12.9
5	10620.00	65.0 PK	74.0	-9.0	1.68 V	142	42.9	22.1
6	10620.00	50.4 AV	54.0	-3.6	1.68 V	142	28.3	22.1

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 102 : 5510 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	1.03 H	338	48.0	13.0
2	5460.00	48.2 AV	54.0	-5.8	1.03 H	338	35.2	13.0
3	#5470.00	62.2 PK	68.2	-6.0	1.03 H	338	49.2	13.0
4	*5510.00	111.3 PK			1.03 H	338	67.7	43.6
5	*5510.00	99.1 AV			1.03 H	338	55.5	43.6
6	11020.00	64.9 PK	74.0	-9.1	1.85 H	179	42.2	22.7
7	11020.00	50.0 AV	54.0	-4.0	1.85 H	179	27.3	22.7
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	5460.00	61.1 PK	74.0	-12.9	1.80 V	353	48.1	13.0
2	5460.00	48.4 AV	54.0	-5.6	1.80 V	353	35.4	13.0
3	#5470.00	63.0 PK	68.2	-5.2	1.80 V	353	50.0	13.0
4	*5510.00	119.3 PK			1.80 V	353	75.7	43.6
5	*5510.00	106.1 AV			1.80 V	353	62.5	43.6
6	11020.00	65.2 PK	74.0	-8.8	1.62 V	148	42.5	22.7
7	11020.00	50.5 AV	54.0	-3.5	1.62 V	148	27.8	22.7

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	802.11be (EHT40)	Channel	CH 110 : 5550 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.5 PK			1.02 H	337	66.9	43.6
2	*5550.00	98.7 AV			1.02 H	337	55.1	43.6
3	11100.00	64.4 PK	74.0	-9.6	1.82 H	177	42.1	22.3
4	11100.00	49.6 AV	54.0	-4.4	1.82 H	177	27.3	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	117.9 PK			2.00 V	355	74.3	43.6
2	*5550.00	105.1 AV			2.00 V	355	61.5	43.6
3	11100.00	64.9 PK	74.0	-9.1	1.75 V	142	42.6	22.3
4	11100.00	50.2 AV	54.0	-3.8	1.75 V	142	27.9	22.3

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 134 : 5670 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	111.2 PK			1.02 H	41	67.1	44.1
2	*5670.00	99.0 AV			1.02 H	41	54.9	44.1
3	#5725.00	62.1 PK	68.2	-6.1	1.02 H	41	48.4	13.7
4	11340.00	65.0 PK	74.0	-9.0	1.78 H	190	42.1	22.9
5	11340.00	50.0 AV	54.0	-4.0	1.78 H	190	27.1	22.9
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	*5670.00	116.6 PK			1.92 V	353	72.5	44.1
2	*5670.00	104.9 AV			1.92 V	353	60.8	44.1
3	#5725.00	62.7 PK	68.2	-5.5	1.92 V	353	49.0	13.7
4	11340.00	65.4 PK	74.0	-8.6	1.70 V	134	42.5	22.9
5	11340.00	50.4 AV	54.0	-3.6	1.70 V	134	27.5	22.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 142 : 5710 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	62.3 PK	68.2	-5.9	1.02 H	42	49.3	13.0
2	*5710.00	112.0 PK			1.02 H	42	67.7	44.3
3	*5710.00	99.4 AV			1.02 H	42	55.1	44.3
4	#5850.00	62.2 PK	68.2	-6.0	1.02 H	42	48.2	14.0
5	11420.00	65.6 PK	74.0	-8.4	1.78 H	188	42.2	23.4
6	11420.00	50.7 AV	54.0	-3.3	1.78 H	188	27.3	23.4
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	#5470.00	62.8 PK	68.2	-5.4	1.90 V	354	49.8	13.0
2	*5710.00	117.6 PK			1.90 V	354	73.3	44.3
3	*5710.00	105.3 AV			1.90 V	354	61.0	44.3
4	#5850.00	62.9 PK	68.2	-5.3	1.90 V	354	48.9	14.0
5	11420.00	65.9 PK	74.0	-8.1	1.73 V	142	42.5	23.4
6	11420.00	51.0 AV	54.0	-3.0	1.73 V	142	27.6	23.4

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 (EHT40)	Channel	CH 151 : 5755 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5634.40	61.2 PK	68.2	-7.0	1.02 H	47	48.1	13.1
2	*5755.00	118.3 PK			1.02 H	47	73.7	44.6
3	*5755.00	105.5 AV			1.02 H	47	60.9	44.6
4	#5997.60	62.4 PK	68.2	-5.8	1.02 H	47	48.0	14.4
5	11510.00	63.3 PK	74.0	-10.7	1.83 H	172	40.2	23.1
6	11510.00	49.2 AV	54.0	-4.8	1.83 H	172	26.1	23.1
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	#5604.40	61.3 PK	68.2	-6.9	1.87 V	355	48.3	13.0
2	*5755.00	122.3 PK			1.87 V	355	77.7	44.6
3	*5755.00	109.8 AV			1.87 V	355	65.2	44.6
4	#5993.60	62.3 PK	68.2	-5.9	1.87 V	355	47.9	14.4
5	11510.00	63.6 PK	74.0	-10.4	1.68 V	152	40.5	23.1
6	11510.00	49.4 AV	54.0	-4.6	1.68 V	152	26.3	23.1

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 159 : 5795 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5632.80	60.8 PK	68.2	-7.4	1.00 H	47	47.7	13.1
2	*5795.00	118.5 PK			1.00 H	47	73.7	44.8
3	*5795.00	105.4 AV			1.00 H	47	60.6	44.8
4	#5996.40	62.0 PK	68.2	-6.2	1.00 H	47	47.6	14.4
5	11590.00	62.9 PK	74.0	-11.1	1.79 H	188	40.1	22.8
6	11590.00	48.8 AV	54.0	-5.2	1.79 H	188	26.0	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5617.60	61.8 PK	68.2	-6.4	1.83 V	354	48.7	13.1
2	*5795.00	121.8 PK			1.83 V	354	77.0	44.8
3	*5795.00	109.3 AV			1.83 V	354	64.5	44.8
4	#5946.40	61.6 PK	68.2	-6.6	1.83 V	354	47.4	14.2
5	11590.00	63.0 PK	74.0	-11.0	1.62 V	159	40.2	22.8
6	11590.00	49.0 AV	54.0	-5.0	1.62 V	159	26.2	22.8

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 42 : 5210 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.5 PK	74.0	-8.5	1.13 H	339	52.8	12.7
2	5150.00	52.2 AV	54.0	-1.8	1.13 H	339	39.5	12.7
3	*5210.00	113.6 PK			1.13 H	339	70.6	43.0
4	*5210.00	100.5 AV			1.13 H	339	57.5	43.0
5	#10420.00	64.0 PK	68.2	-4.2	1.95 H	175	42.0	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5133.90	67.6 PK	74.0	-6.4	1.48 V	77	54.8	12.8
2	5133.90	53.9 AV	54.0	-0.1	1.48 V	77	41.1	12.8
3	*5210.00	117.2 PK			1.48 V	77	74.2	43.0
4	*5210.00	103.4 AV			1.48 V	77	60.4	43.0
5	#10420.00	64.8 PK	68.2	-3.4	1.65 V	144	42.8	22.0

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 58 : 5290 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	*5290.00	109.4 PK			1.01 H	340	66.3	43.1
2	*5290.00	97.2 AV			1.01 H	340	54.1	43.1
3	5350.00	61.1 PK	74.0	-12.9	1.01 H	340	48.2	12.9
4	5350.00	48.1 AV	54.0	-5.9	1.01 H	340	35.2	12.9
5	#10580.00	64.0 PK	68.2	-4.2	1.88 H	173	42.0	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	115.4 PK			1.94 V	357	72.3	43.1
2	*5290.00	102.0 AV			1.94 V	357	58.9	43.1
3	5365.50	63.8 PK	74.0	-10.2	1.94 V	357	50.9	12.9
4	5365.50	50.5 AV	54.0	-3.5	1.94 V	357	37.6	12.9
5	#10580.00	64.9 PK	68.2	-3.3	1.71 V	142	42.9	22.0

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 106 : 5530 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	1.02 H	339	48.5	13.0
2	5460.00	50.4 AV	54.0	-3.6	1.02 H	339	37.4	13.0
3	#5470.00	62.2 PK	68.2	-6.0	1.02 H	339	49.2	13.0
4	*5530.00	108.2 PK			1.02 H	339	64.6	43.6
5	*5530.00	96.3 AV			1.02 H	339	52.7	43.6
6	11060.00	64.6 PK	74.0	-9.4	1.78 H	188	42.2	22.4
7	11060.00	49.7 AV	54.0	-4.3	1.78 H	188	27.3	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.94 V	356	48.8	13.0
2	5460.00	50.5 AV	54.0	-3.5	1.94 V	356	37.5	13.0
3	#5470.00	63.4 PK	68.2	-4.8	1.94 V	356	50.4	13.0
4	*5530.00	114.7 PK			1.94 V	356	71.1	43.6
5	*5530.00	102.1 AV			1.94 V	356	58.5	43.6
6	11060.00	64.9 PK	74.0	-9.1	1.66 V	139	42.5	22.4
7	11060.00	49.9 AV	54.0	-4.1	1.66 V	139	27.5	22.4

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 122 : 5610 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	108.2 PK			1.05 H	44	64.5	43.7
2	*5610.00	95.7 AV			1.05 H	44	52.0	43.7
3	#5725.00	61.9 PK	68.2	-6.3	1.05 H	44	48.2	13.7
4	11220.00	64.6 PK	74.0	-9.4	1.88 H	172	42.2	22.4
5	11220.00	49.5 AV	54.0	-4.5	1.88 H	172	27.1	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	114.0 PK			2.06 V	354	70.3	43.7
2	*5610.00	102.2 AV			2.06 V	354	58.5	43.7
3	#5725.00	62.6 PK	68.2	-5.6	2.06 V	354	48.9	13.7
4	11220.00	65.0 PK	74.0	-9.0	1.69 V	135	42.6	22.4
5	11220.00	50.0 AV	54.0	-4.0	1.69 V	135	27.6	22.4

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 138 : 5690 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	62.2 PK	68.2	-6.0	1.00 H	45	49.2	13.0
2	*5690.00	108.8 PK			1.00 H	45	64.7	44.1
3	*5690.00	96.3 AV			1.00 H	45	52.2	44.1
4	#5850.00	62.4 PK	68.2	-5.8	1.00 H	45	48.4	14.0
5	11380.00	65.3 PK	74.0	-8.7	1.72 H	189	42.2	23.1
6	11380.00	50.4 AV	54.0	-3.6	1.72 H	189	27.3	23.1
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	#5470.00	62.8 PK	68.2	-5.4	1.98 V	354	49.8	13.0
2	*5690.00	113.5 PK			1.98 V	354	69.4	44.1
3	*5690.00	101.5 AV			1.98 V	354	57.4	44.1
4	#5850.00	62.8 PK	68.2	-5.4	1.98 V	354	48.8	14.0
5	11380.00	65.7 PK	74.0	-8.3	1.78 V	132	42.6	23.1
6	11380.00	50.6 AV	54.0	-3.4	1.78 V	132	27.5	23.1

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 (EHT80)	Channel	CH 155 : 5775 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	#5647.60	63.2 PK	68.2	-5.0	1.00 H	44	49.9	13.3
2	*5775.00	115.3 PK			1.00 H	44	70.6	44.7
3	*5775.00	102.9 AV			1.00 H	44	58.2	44.7
4	#5972.80	61.9 PK	68.2	-6.3	1.00 H	44	47.6	14.3
5	11550.00	62.8 PK	74.0	-11.2	1.72 H	184	39.8	23.0
6	11550.00	48.7 AV	54.0	-5.3	1.72 H	184	25.7	23.0
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	#5647.60	67.7 PK	68.2	-0.5	1.91 V	355	54.4	13.3
2	*5775.00	119.6 PK			1.91 V	355	74.9	44.7
3	*5775.00	107.1 AV			1.91 V	355	62.4	44.7
4	#5933.20	62.9 PK	68.2	-5.3	1.91 V	355	48.7	14.2
5	11550.00	63.0 PK	74.0	-11.0	1.65 V	158	40.0	23.0
6	11550.00	49.0 AV	54.0	-5.0	1.65 V	158	26.0	23.0

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 (EHT160)	Channel	CH 50 : 5250 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

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	5134.20	64.6 PK	74.0	-9.4	1.09 H	342	51.8	12.8
2	5134.20	51.1 AV	54.0	-2.9	1.09 H	342	38.3	12.8
3	*5250.00	111.3 PK			1.09 H	342	68.4	42.9
4	*5250.00	97.8 AV			1.09 H	342	54.9	42.9
5	5352.50	64.3 PK	74.0	-9.7	1.09 H	342	51.4	12.9
6	5352.50	51.7 AV	54.0	-2.3	1.09 H	342	38.8	12.9
7	#10500.00	61.9 PK	68.2	-6.3	1.77 H	185	40.0	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.9 PK	74.0	-7.1	2.14 V	358	54.2	12.7
2	5150.00	53.7 AV	54.0	-0.3	2.14 V	358	41.0	12.7
3	*5250.00	113.4 PK			2.14 V	358	70.5	42.9
4	*5250.00	101.4 AV			2.14 V	358	58.5	42.9
5	5350.00	66.3 PK	74.0	-7.7	2.14 V	358	53.4	12.9
6	5350.00	53.6 AV	54.0	-0.4	2.14 V	358	40.7	12.9
7	#10500.00	62.1 PK	68.2	-6.1	1.62 V	145	40.2	21.9

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 114 : 5570 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.6 PK	74.0	-12.4	1.00 H	338	48.6	13.0
2	5460.00	51.4 AV	54.0	-2.6	1.00 H	338	38.4	13.0
3	#5470.00	62.2 PK	68.2	-6.0	1.00 H	338	49.2	13.0
4	*5570.00	107.2 PK			1.00 H	338	63.5	43.7
5	*5570.00	94.5 AV			1.00 H	338	50.8	43.7
6	#5725.00	62.4 PK	68.2	-5.8	1.00 H	338	48.7	13.7
7	11140.00	62.1 PK	74.0	-11.9	1.78 H	186	39.8	22.3
8	11140.00	48.4 AV	54.0	-5.6	1.78 H	186	26.1	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.0 PK	74.0	-9.0	1.99 V	359	52.0	13.0
2	5460.00	52.0 AV	54.0	-2.0	1.99 V	359	39.0	13.0
3	#5470.00	65.6 PK	68.2	-2.6	1.99 V	359	52.6	13.0
4	*5570.00	112.2 PK			1.99 V	359	68.5	43.7
5	*5570.00	100.1 AV			1.99 V	359	56.4	43.7
6	#5725.00	63.4 PK	68.2	-4.8	1.99 V	359	49.7	13.7
7	11140.00	62.3 PK	74.0	-11.7	1.55 V	132	40.0	22.3
8	11140.00	48.6 AV	54.0	-5.4	1.55 V	132	26.3	22.3

Remarks:

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

RF Mode	802.11be (EHT240)	Channel	CH 114+138 : 5610 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, 66 % RH
Tested By	Luis Lee/Titan Hsu		

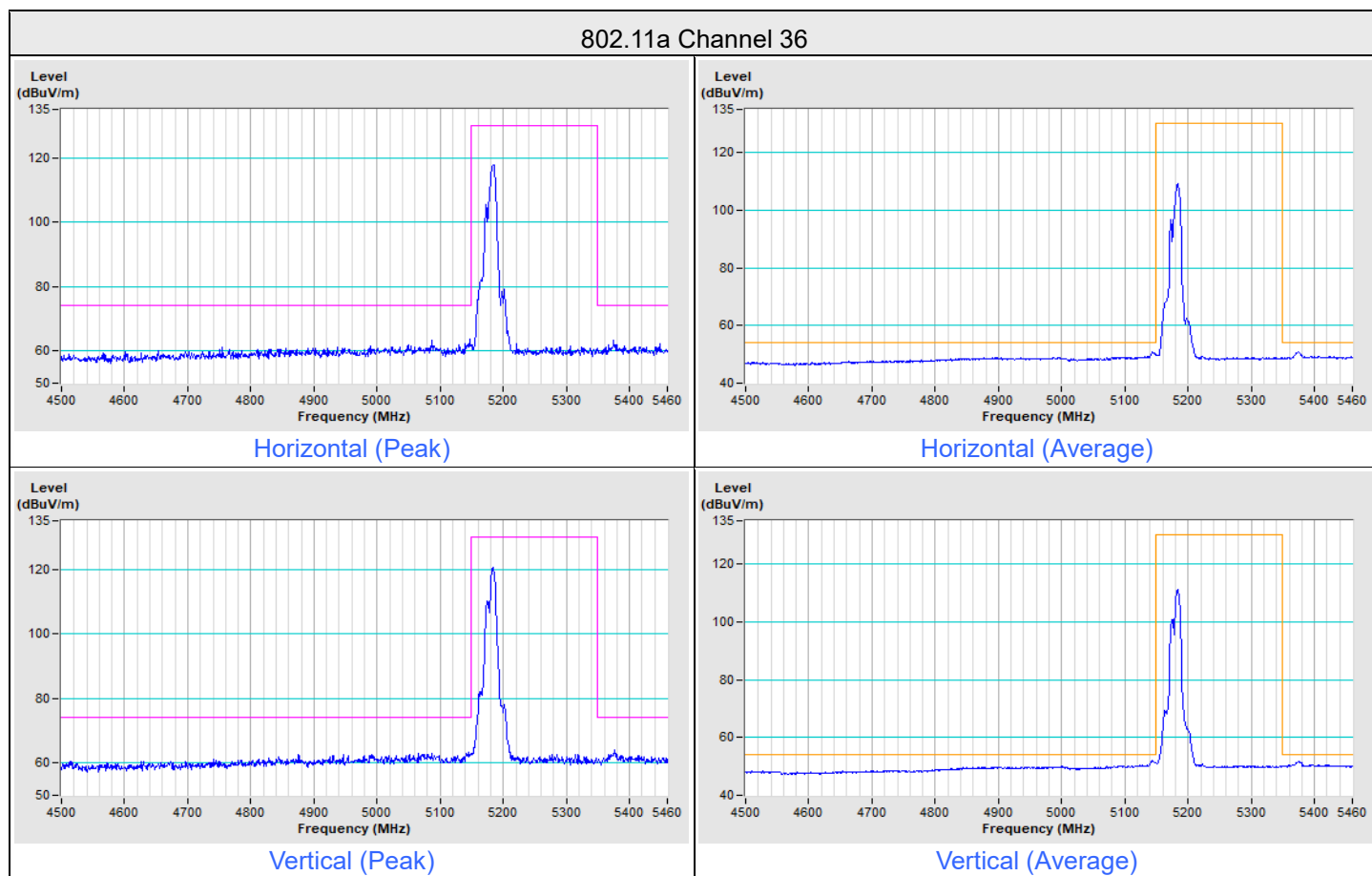
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	2.45 H	170	48.0	13.0
2	5460.00	47.8 AV	54.0	-6.2	2.45 H	170	34.8	13.0
3	#5470.00	61.2 PK	68.2	-7.0	2.45 H	170	48.2	13.0
4	*5610.00	103.9 PK			2.45 H	170	60.2	43.7
5	*5610.00	90.9 AV			2.45 H	170	47.2	43.7
6	#5850.00	62.2 PK	68.2	-6.0	2.45 H	170	48.2	14.0
7	11220.00	61.9 PK	74.0	-12.1	1.90 H	172	39.5	22.4
8	11220.00	48.0 AV	54.0	-6.0	1.90 H	172	25.6	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.5 PK	74.0	-8.5	1.80 V	335	52.5	13.0
2	5460.00	52.5 AV	54.0	-1.5	1.80 V	335	39.5	13.0
3	#5470.00	67.8 PK	68.2	-0.4	1.80 V	335	54.8	13.0
4	*5610.00	106.7 PK			1.80 V	335	63.0	43.7
5	*5610.00	95.5 AV			1.80 V	335	51.8	43.7
6	#5850.00	63.0 PK	68.2	-5.2	1.80 V	335	49.0	14.0
7	11220.00	62.0 PK	74.0	-12.0	1.59 V	135	39.6	22.4
8	11220.00	48.3 AV	54.0	-5.7	1.59 V	135	25.9	22.4

Remarks:

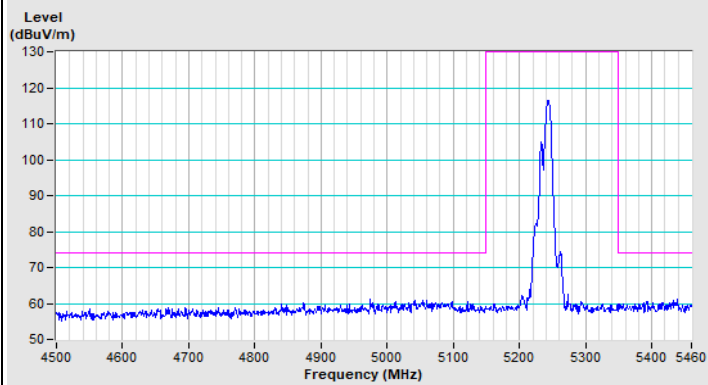
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

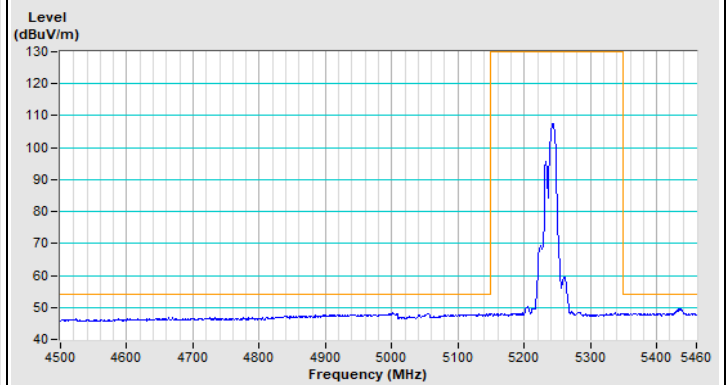
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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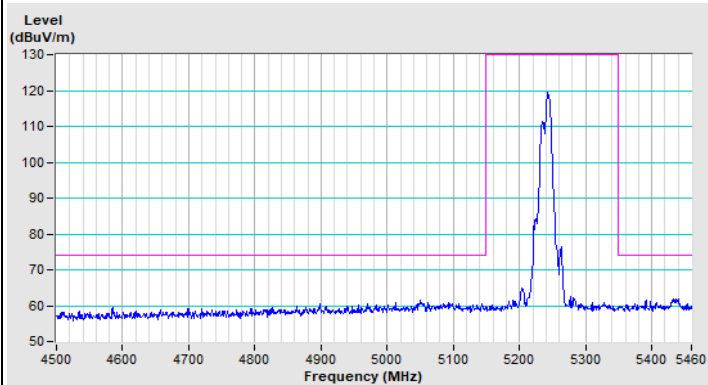
802.11a Channel 48



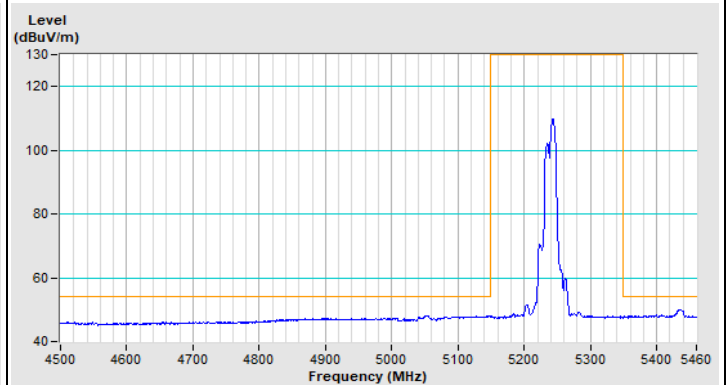
Horizontal (Peak)



Horizontal (Average)

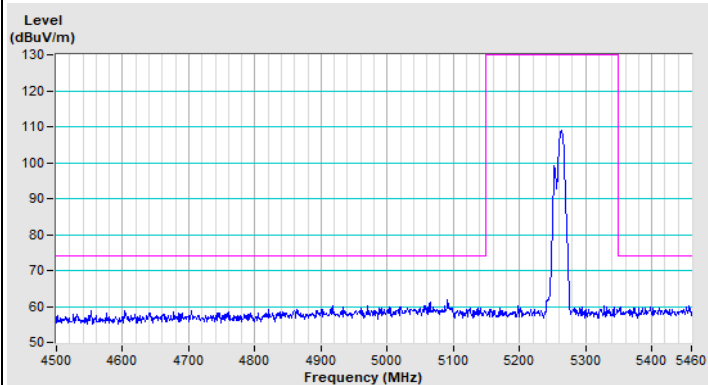


Vertical (Peak)

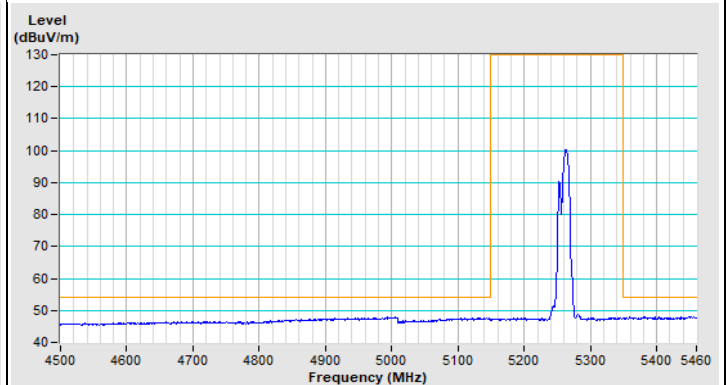


Vertical (Average)

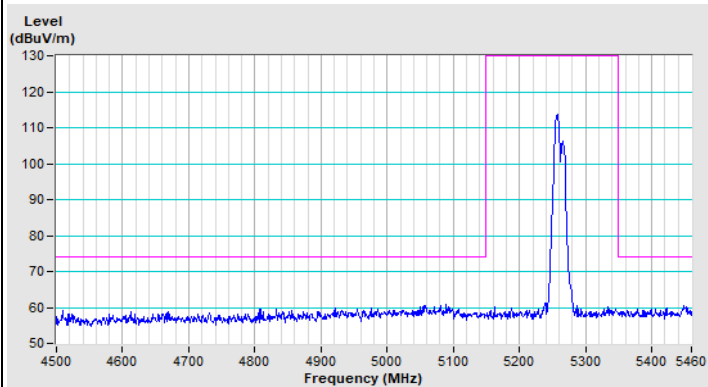
802.11a Channel 52



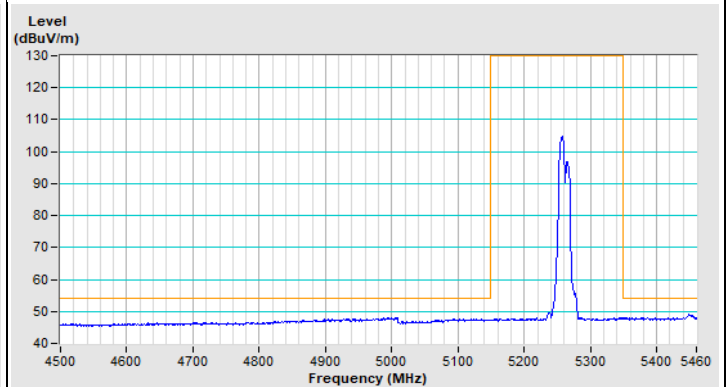
Horizontal (Peak)



Horizontal (Average)

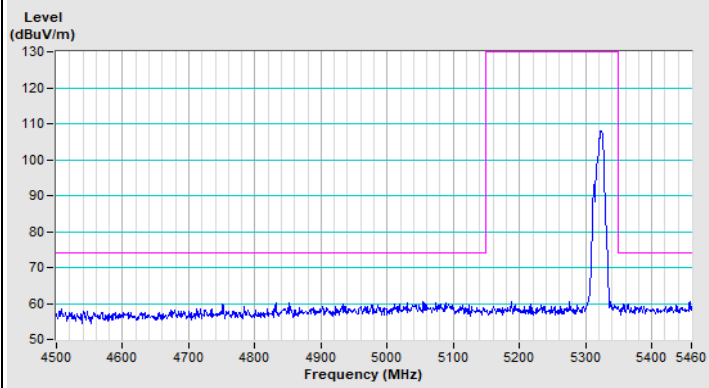


Vertical (Peak)

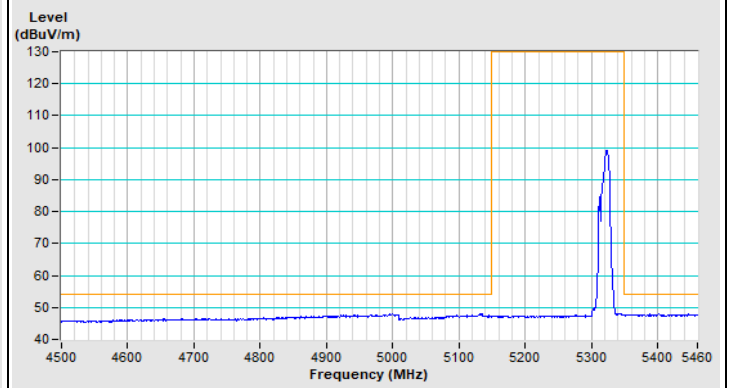


Vertical (Average)

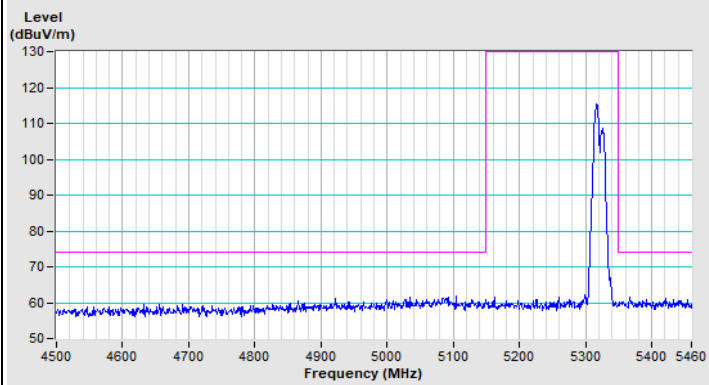
802.11a Channel 64



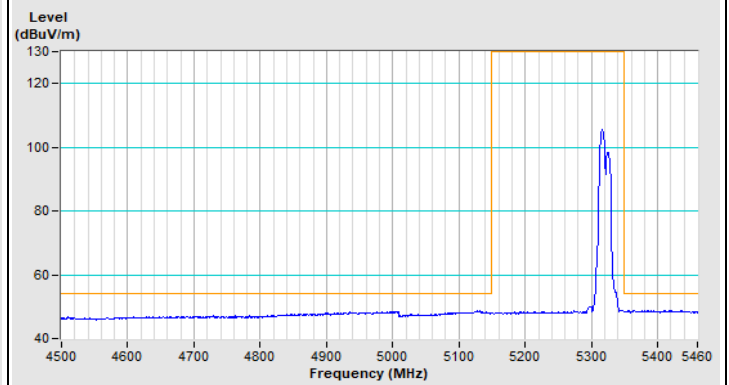
Horizontal (Peak)



Horizontal (Average)



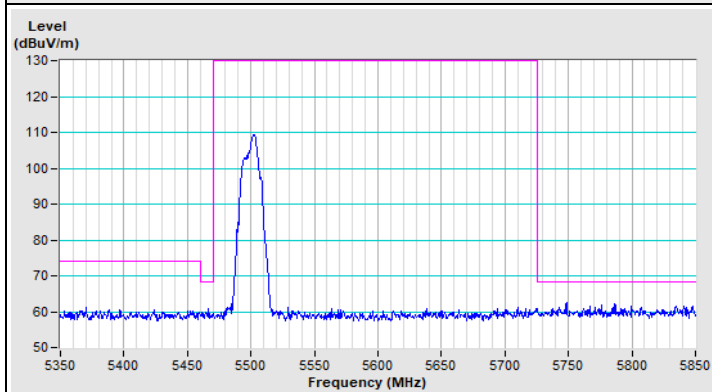
Vertical (Peak)



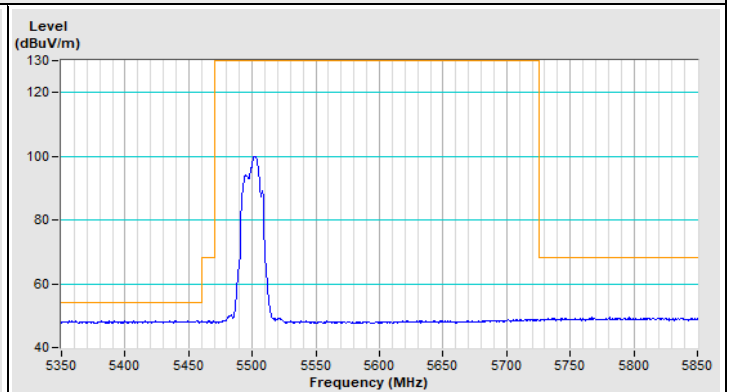
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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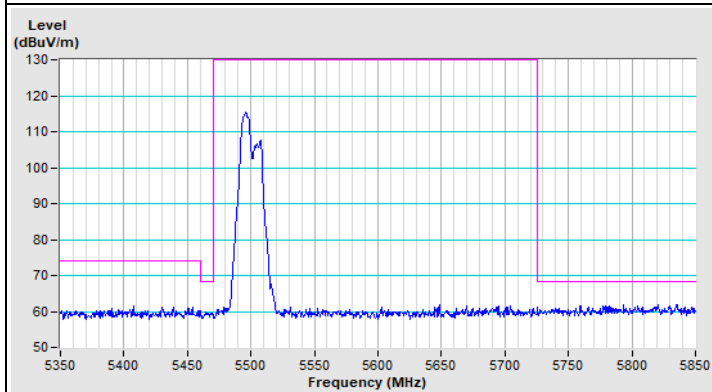
802.11a Channel 100



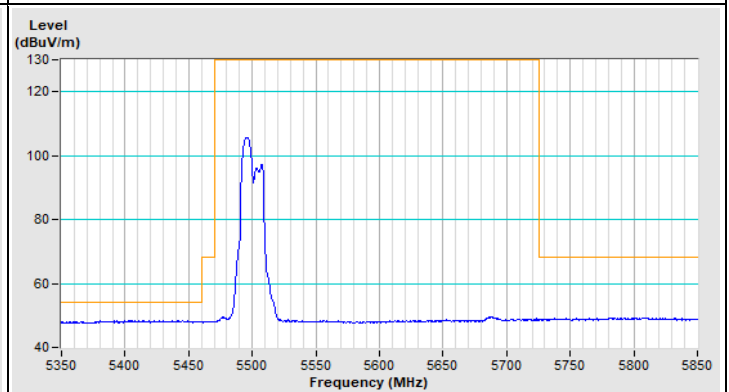
Horizontal (Peak)



Horizontal (Average)

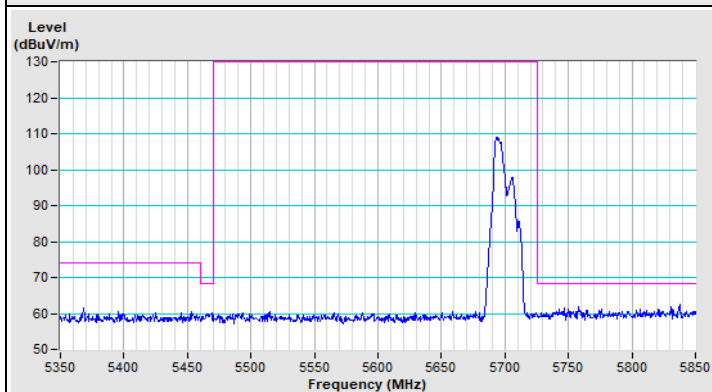


Vertical (Peak)

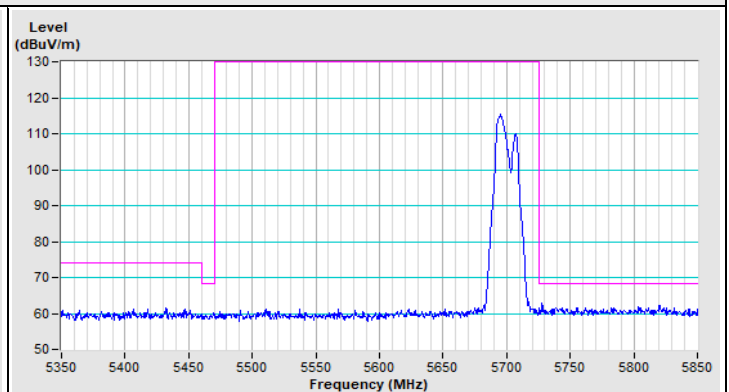


Vertical (Average)

802.11a Channel 140



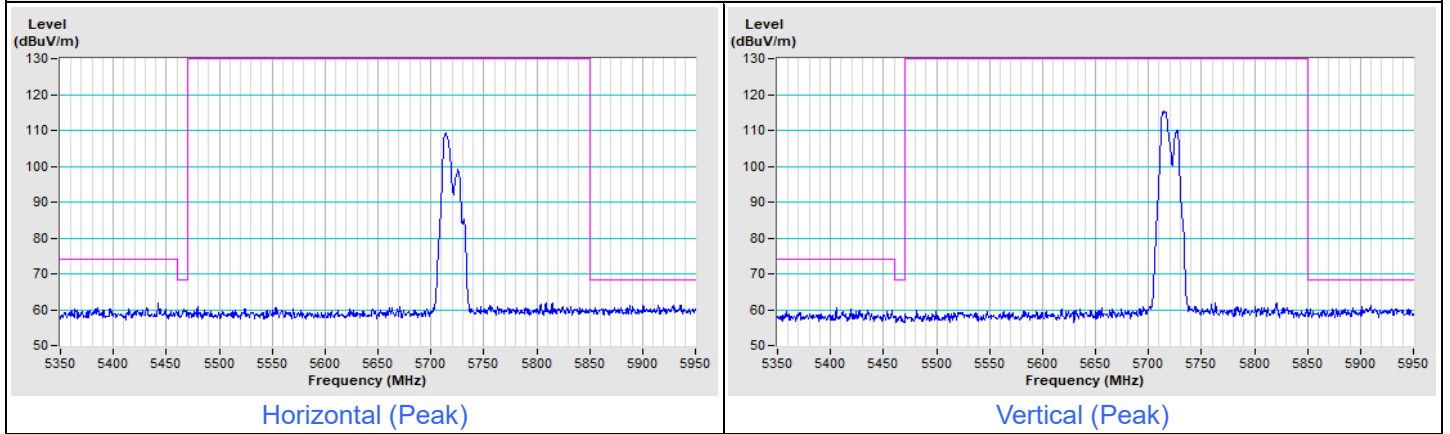
Horizontal (Peak)



Vertical (Peak)

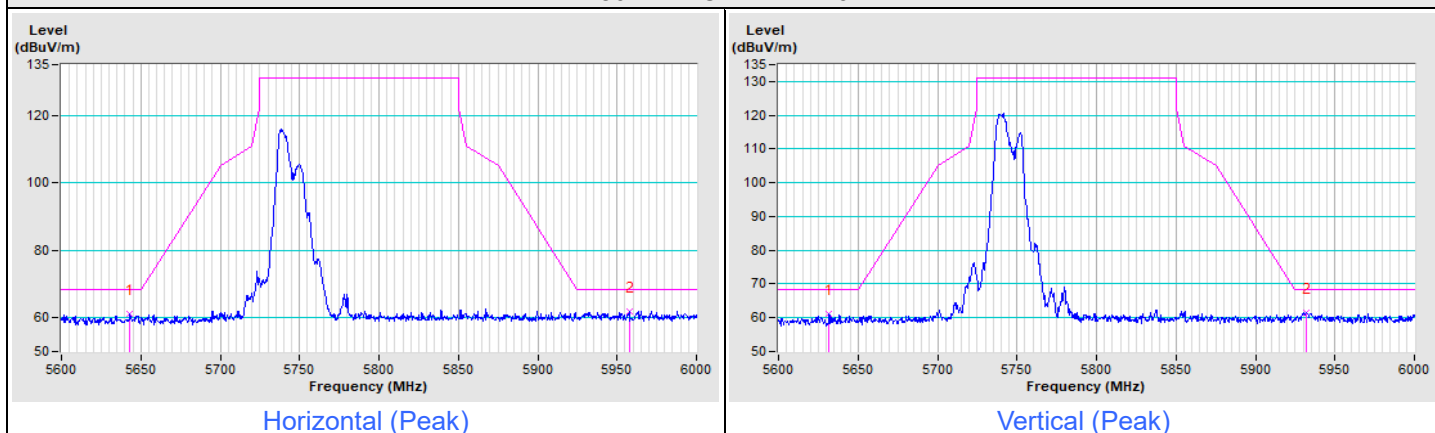
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

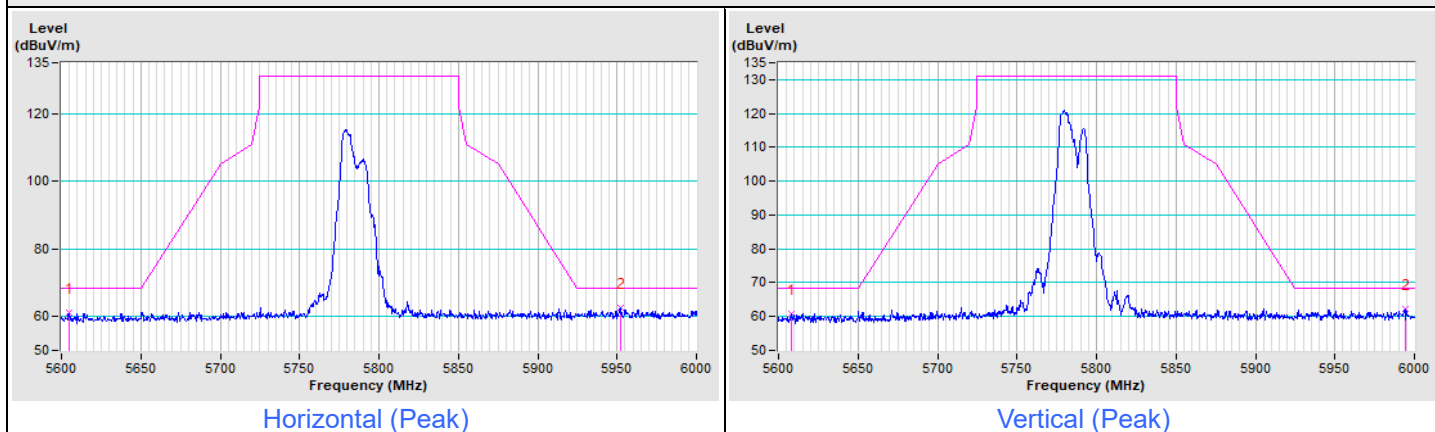


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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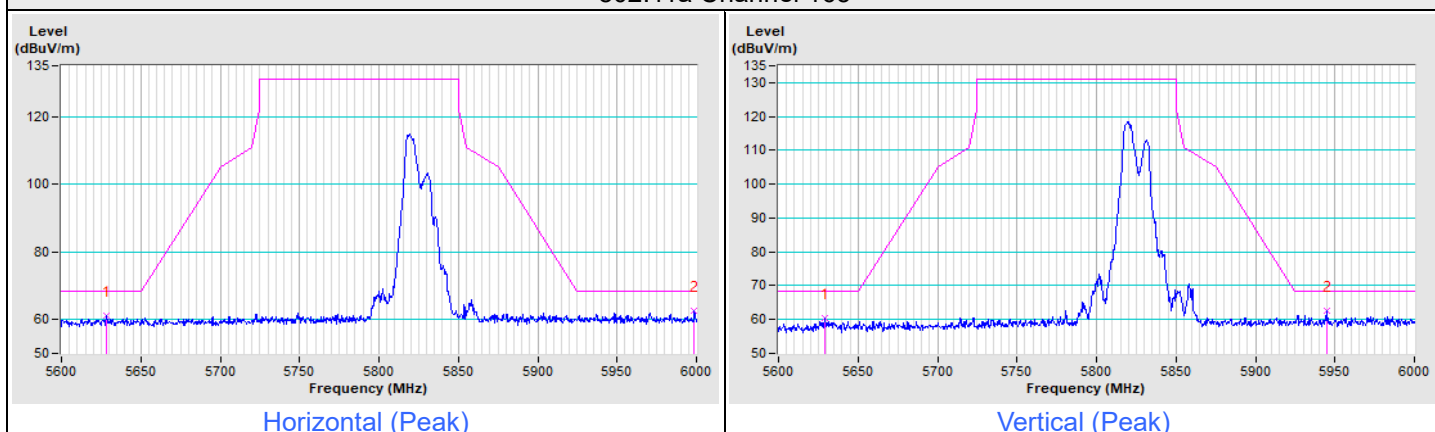
802.11a Channel 149



802.11a Channel 157

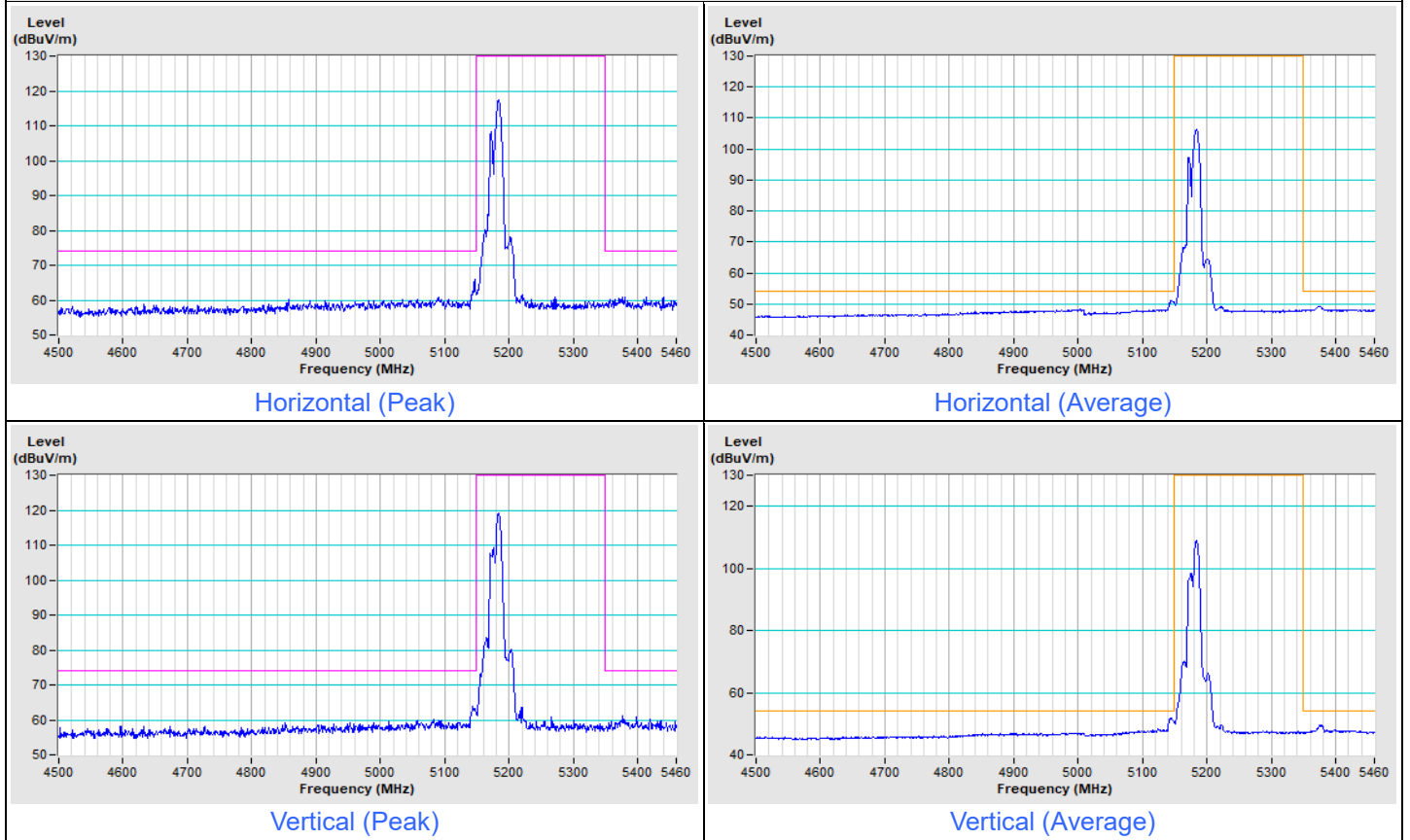


802.11a Channel 165

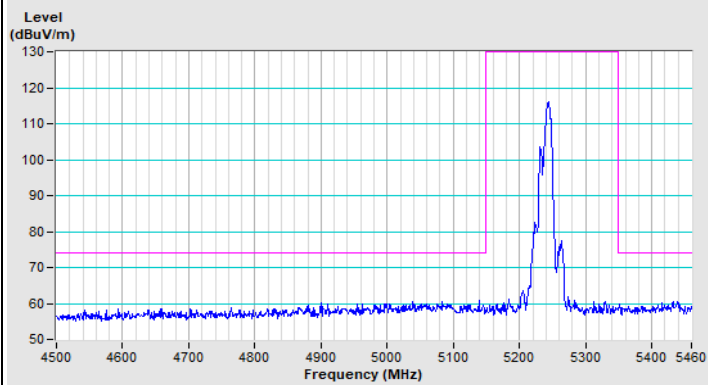


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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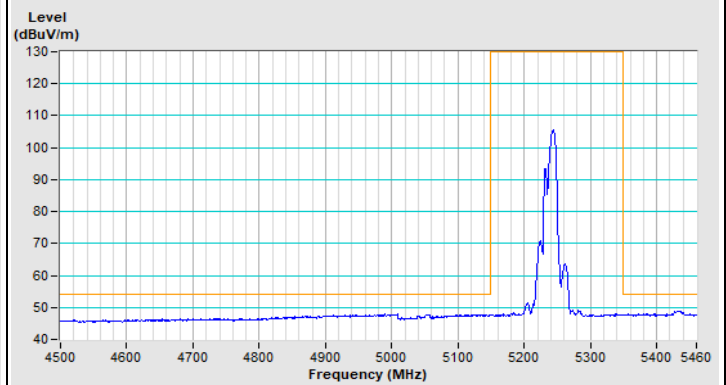
802.11be (EHT20) Channel 36



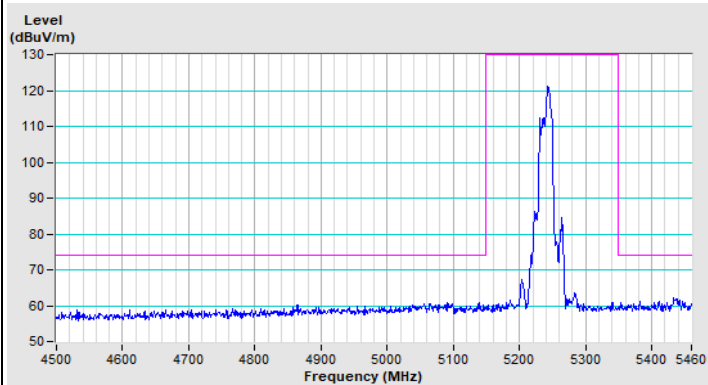
802.11be (EHT20) Channel 48



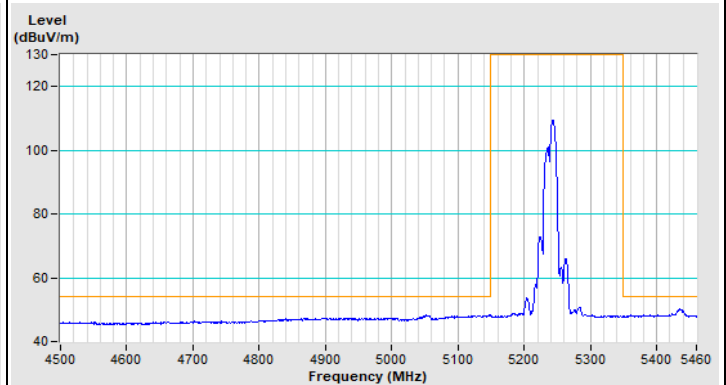
Horizontal (Peak)



Horizontal (Average)

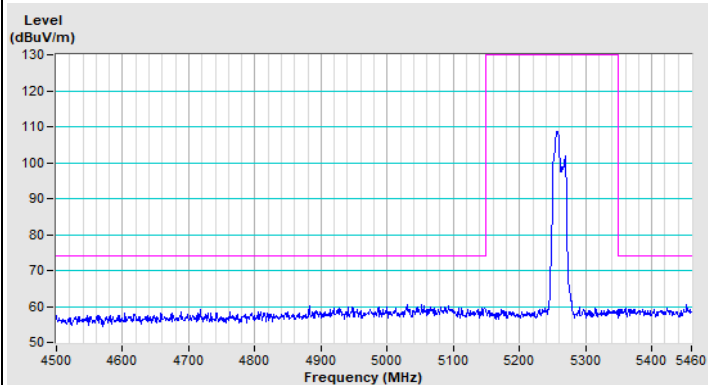


Vertical (Peak)

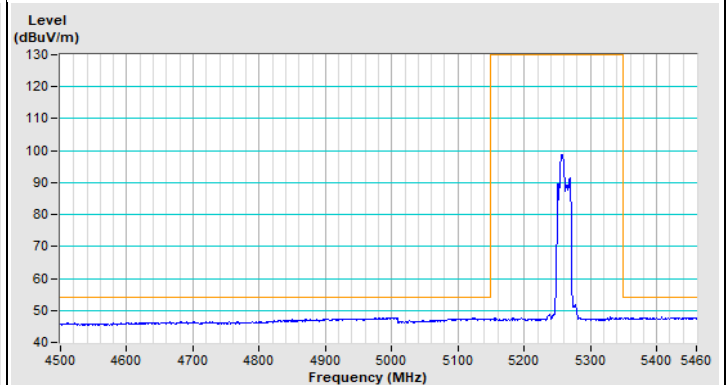


Vertical (Average)

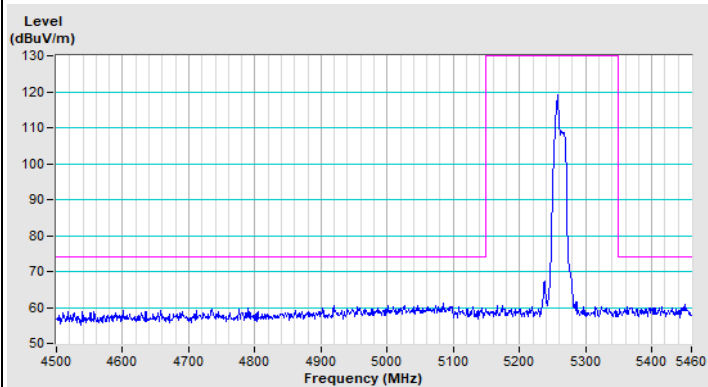
802.11be (EHT20) Channel 52



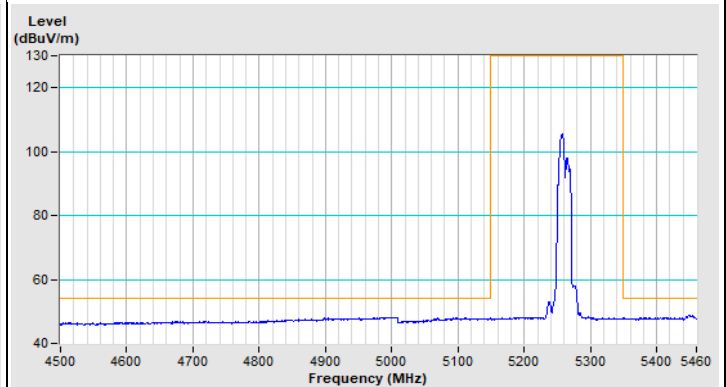
Horizontal (Peak)



Horizontal (Average)

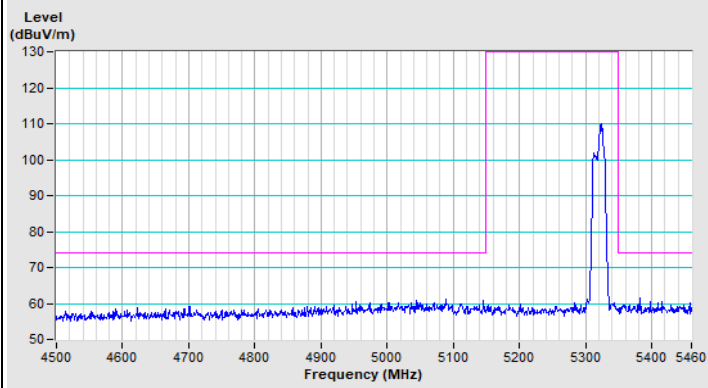


Vertical (Peak)

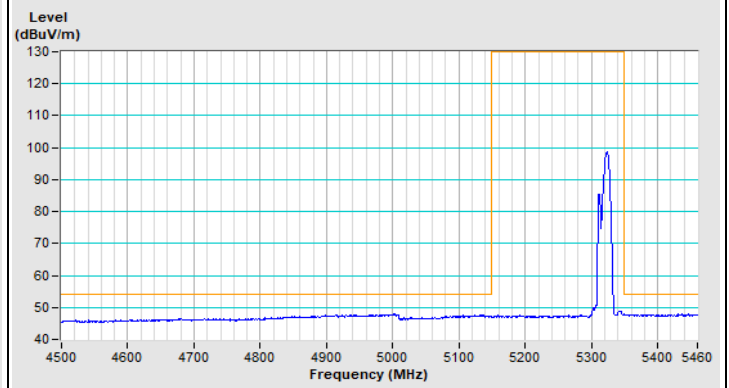


Vertical (Average)

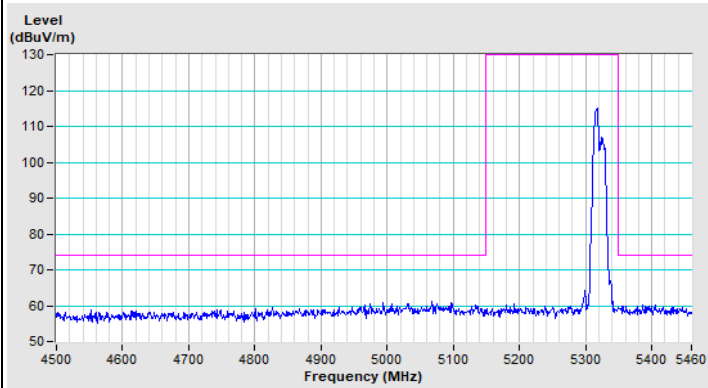
802.11be (EHT20) Channel 64



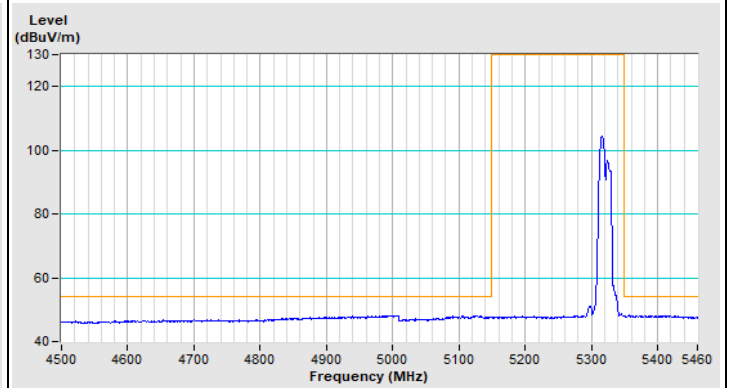
Horizontal (Peak)



Horizontal (Average)



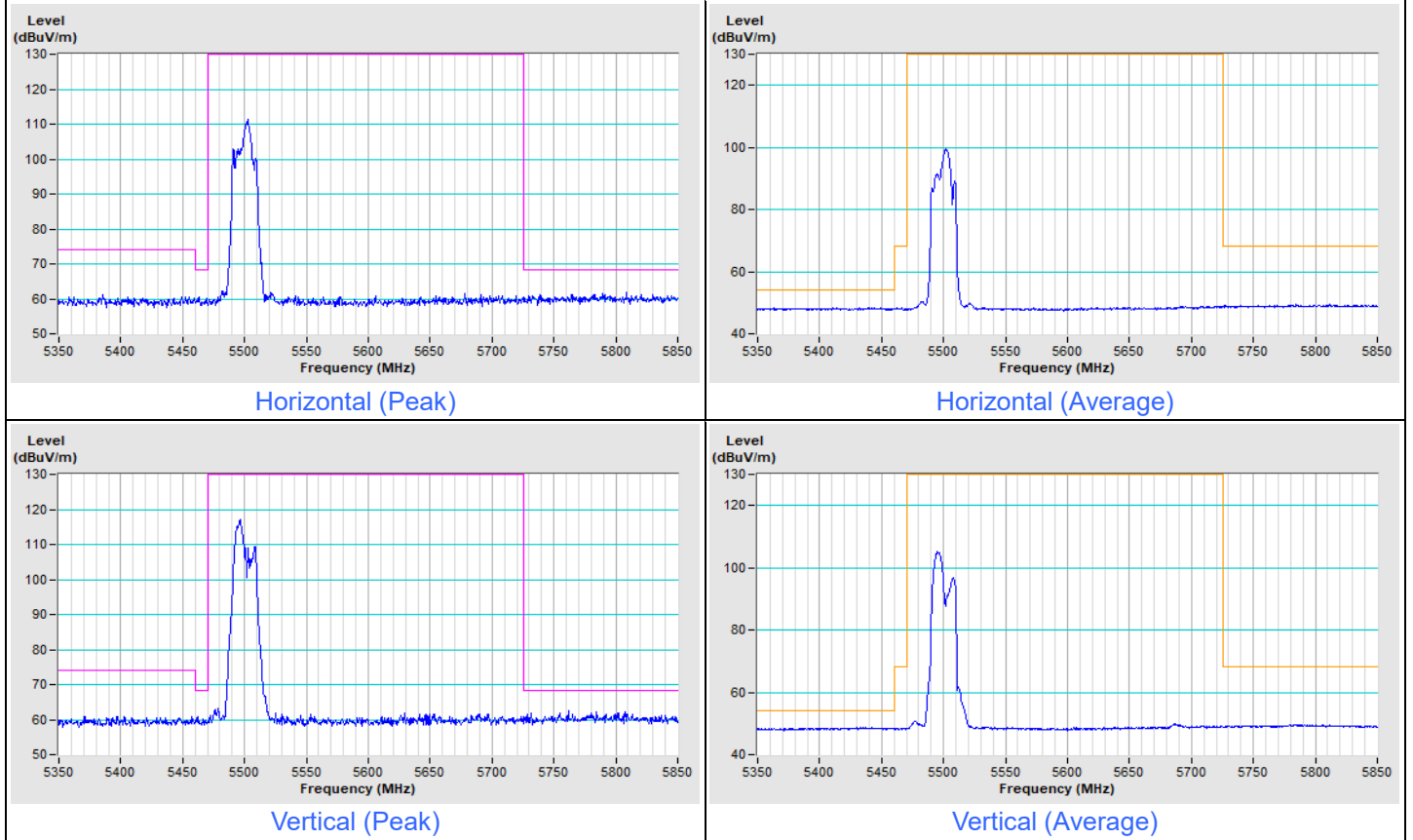
Vertical (Peak)



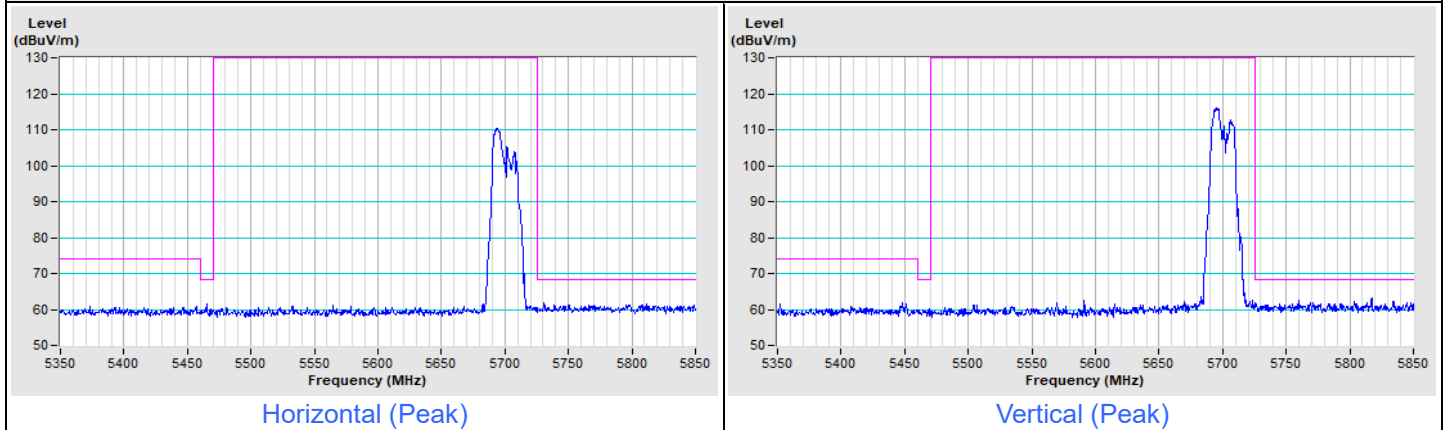
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT20) Channel 100

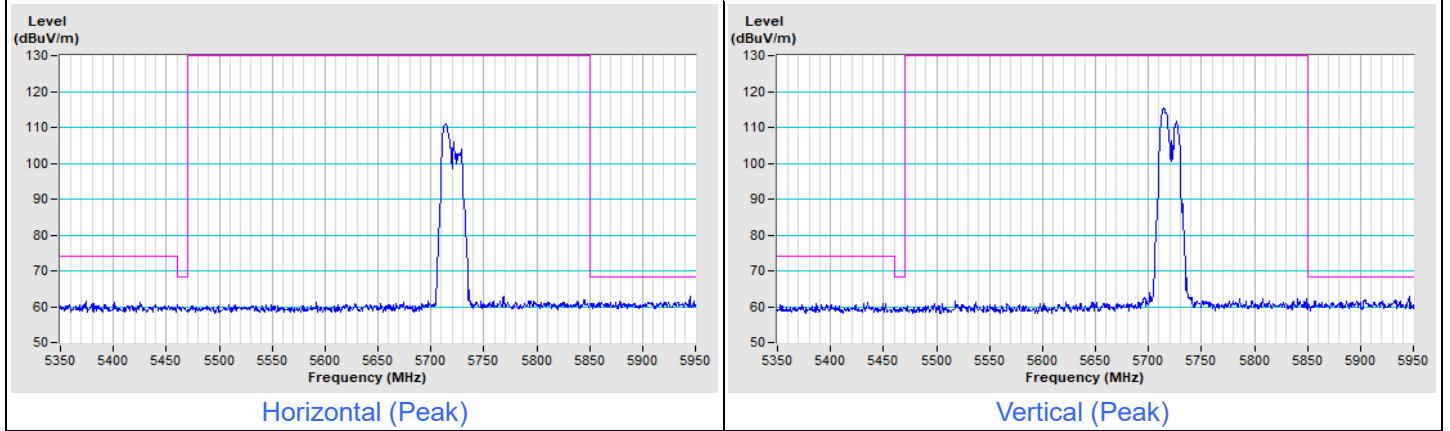


802.11be (EHT20) Channel 140



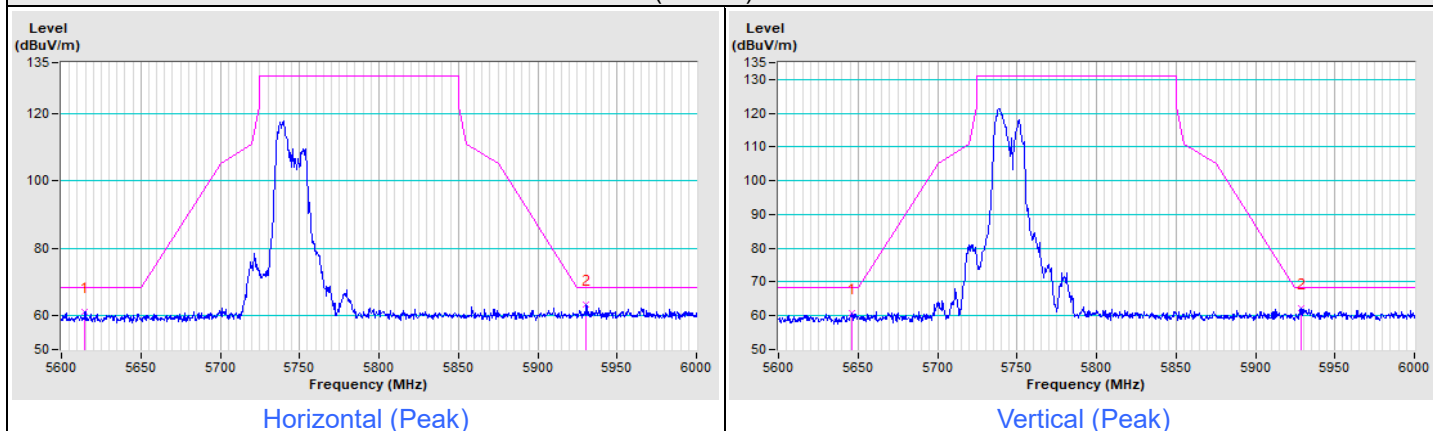
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT20) Channel 144

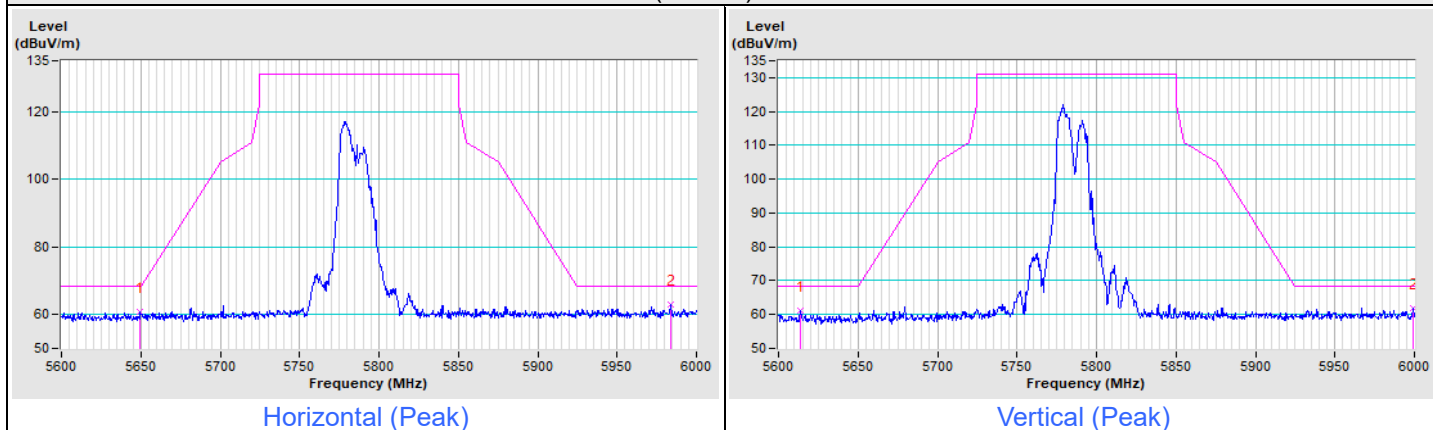


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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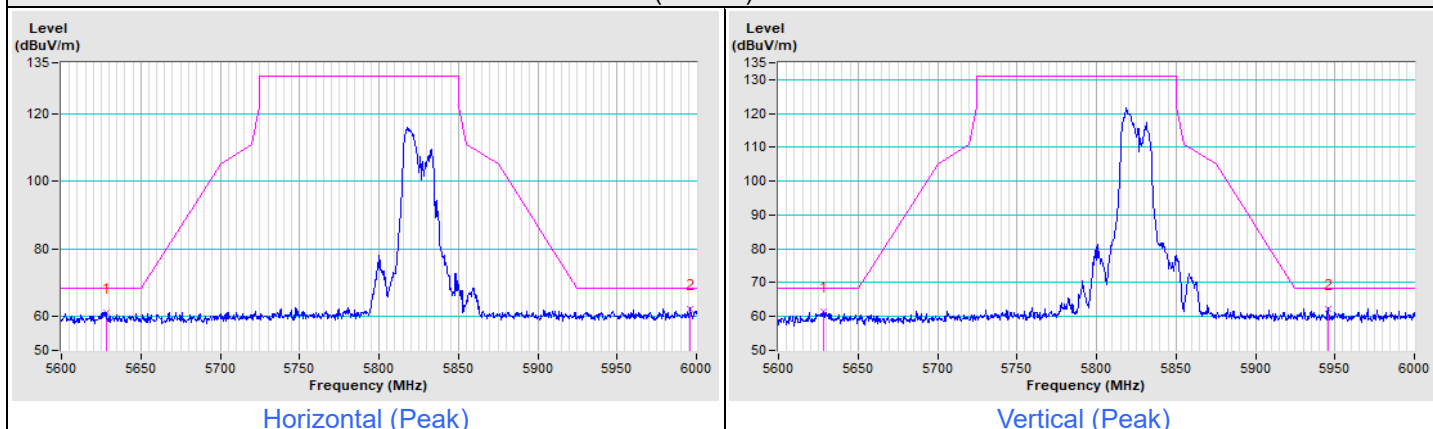
802.11be (EHT20) Channel 149



802.11be (EHT20) Channel 157

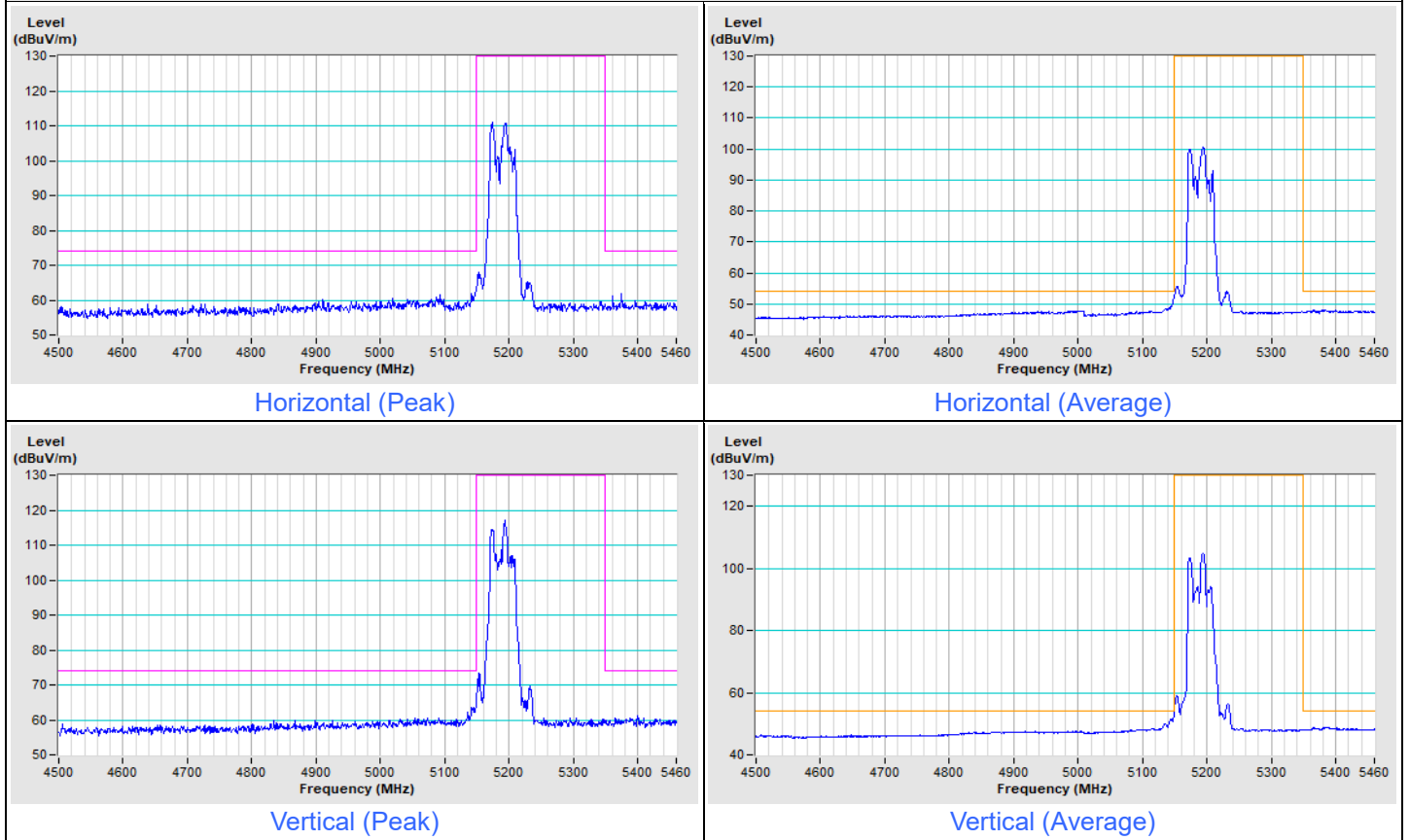


802.11be (EHT20) Channel 165

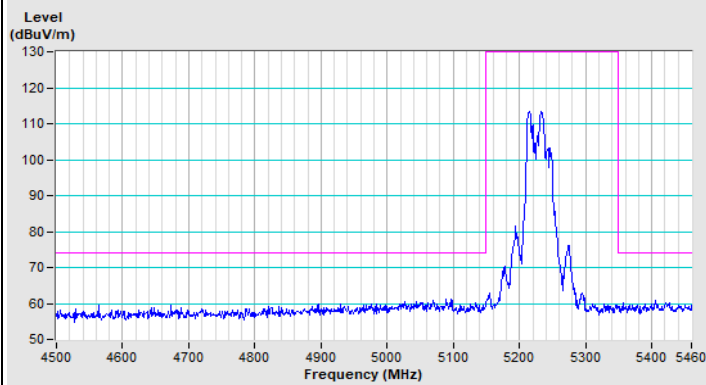


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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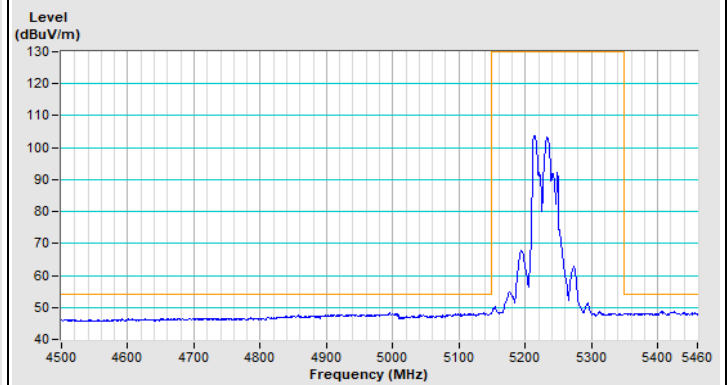
802.11be (EHT40) Channel 38



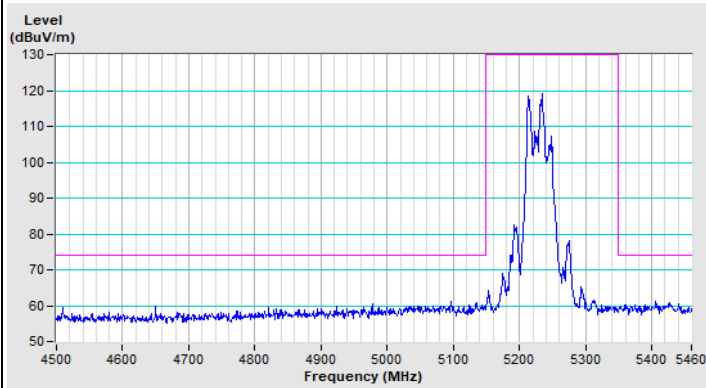
802.11be (EHT40) Channel 46



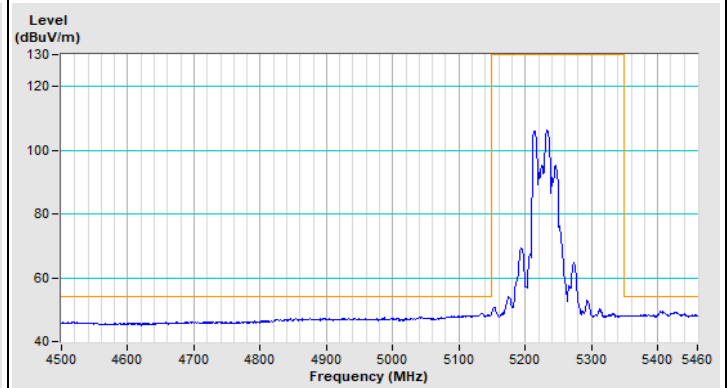
Horizontal (Peak)



Horizontal (Average)

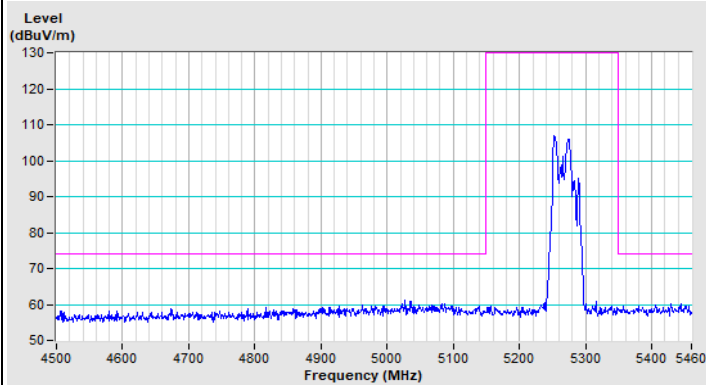


Vertical (Peak)

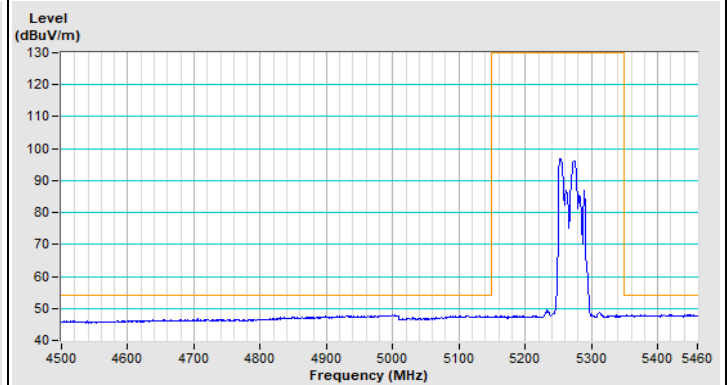


Vertical (Average)

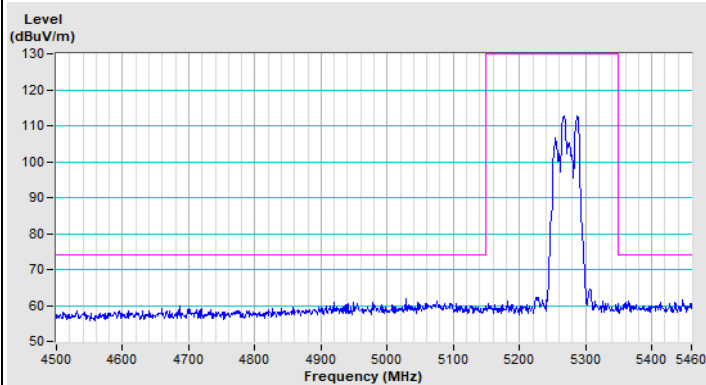
802.11be (EHT40) Channel 54



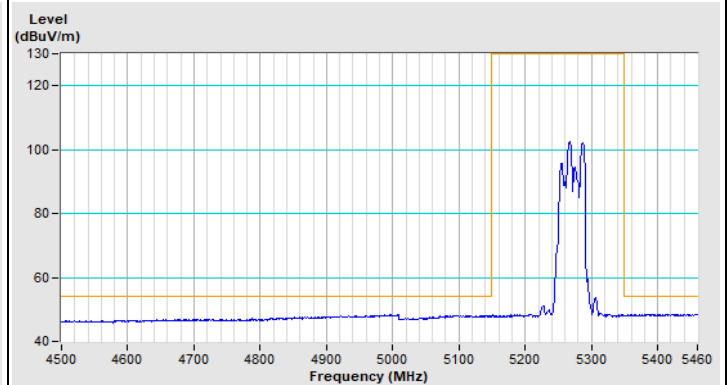
Horizontal (Peak)



Horizontal (Average)

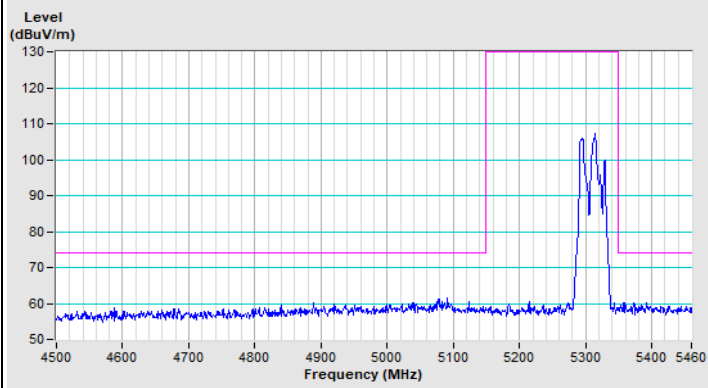


Vertical (Peak)

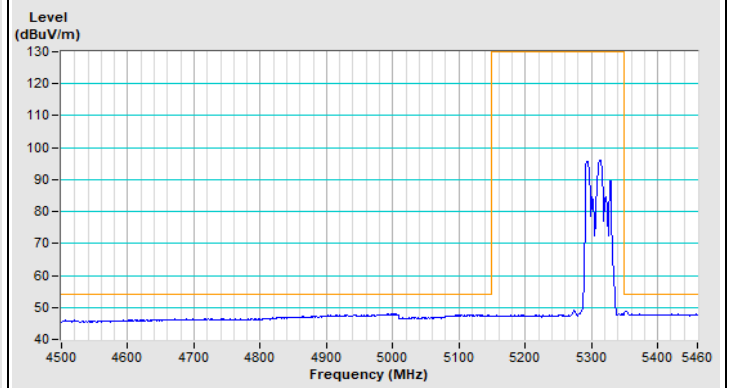


Vertical (Average)

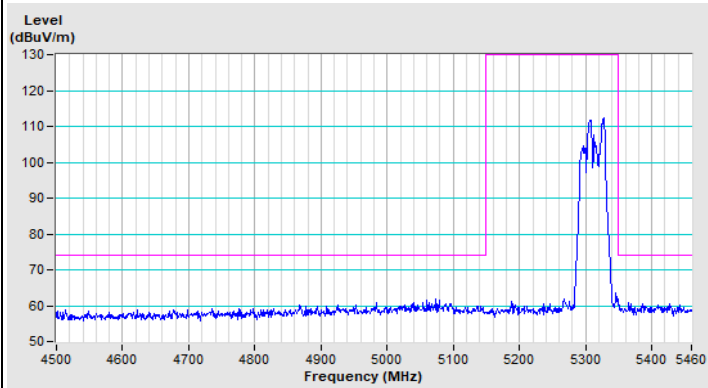
802.11be (EHT40) Channel 62



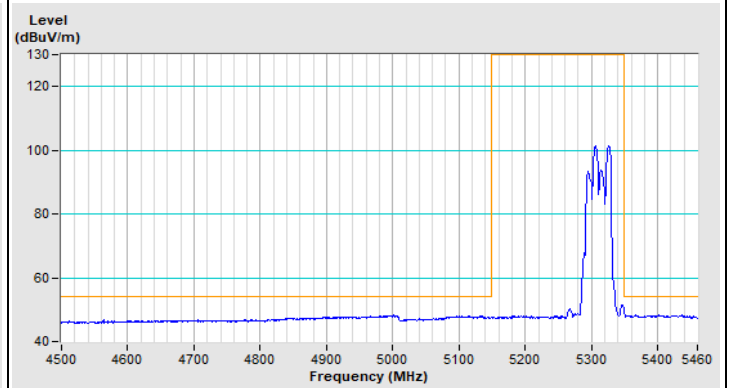
Horizontal (Peak)



Horizontal (Average)



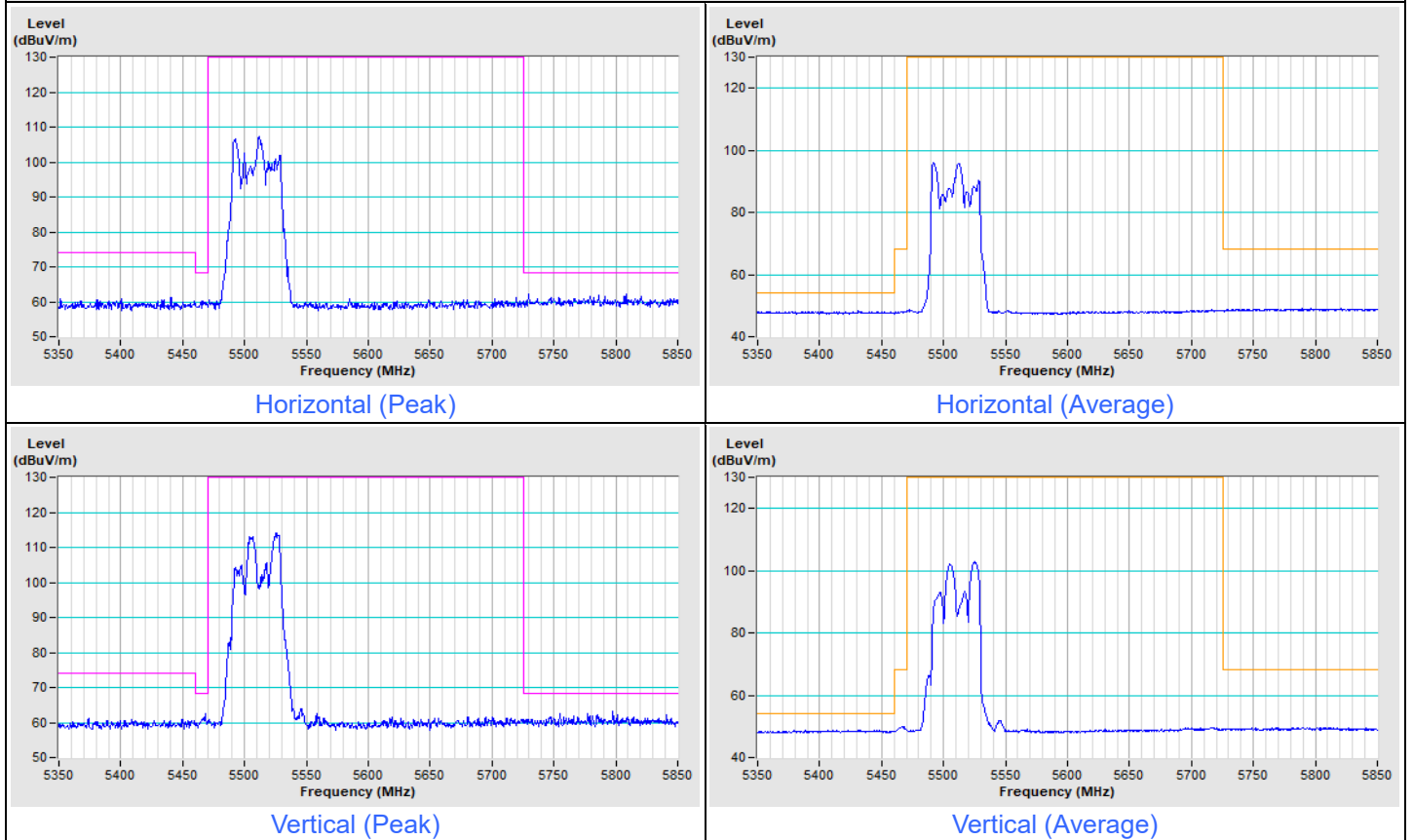
Vertical (Peak)



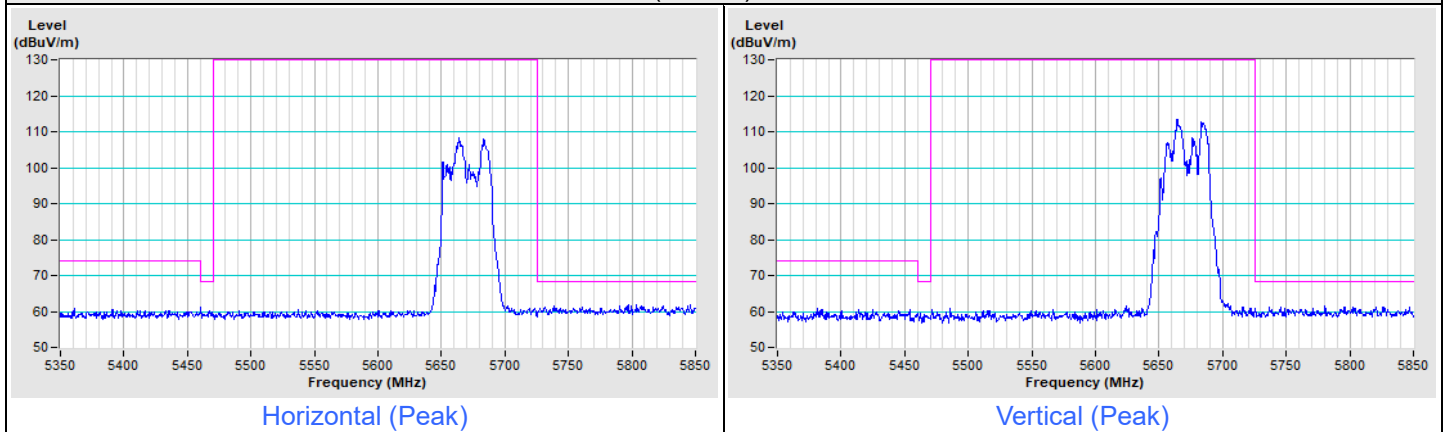
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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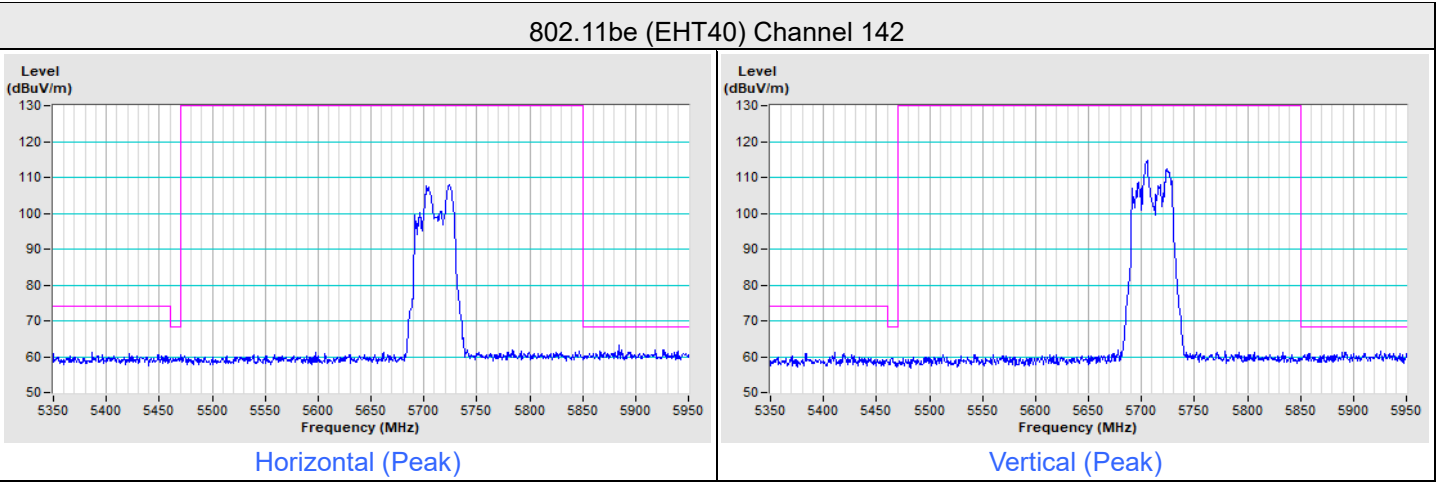
802.11be (EHT40) Channel 102



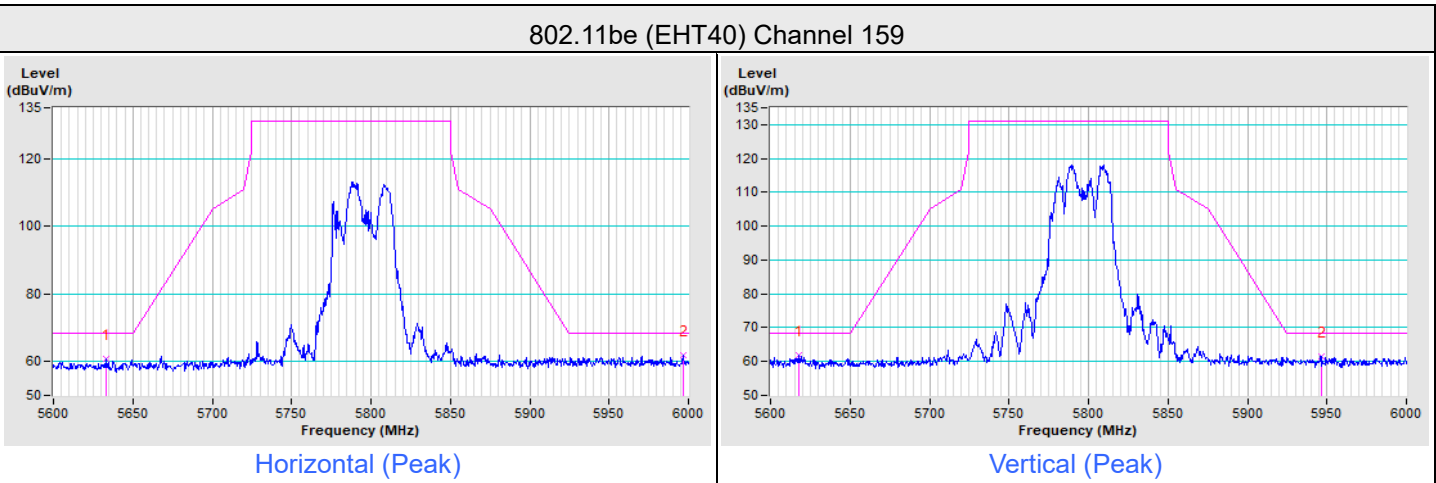
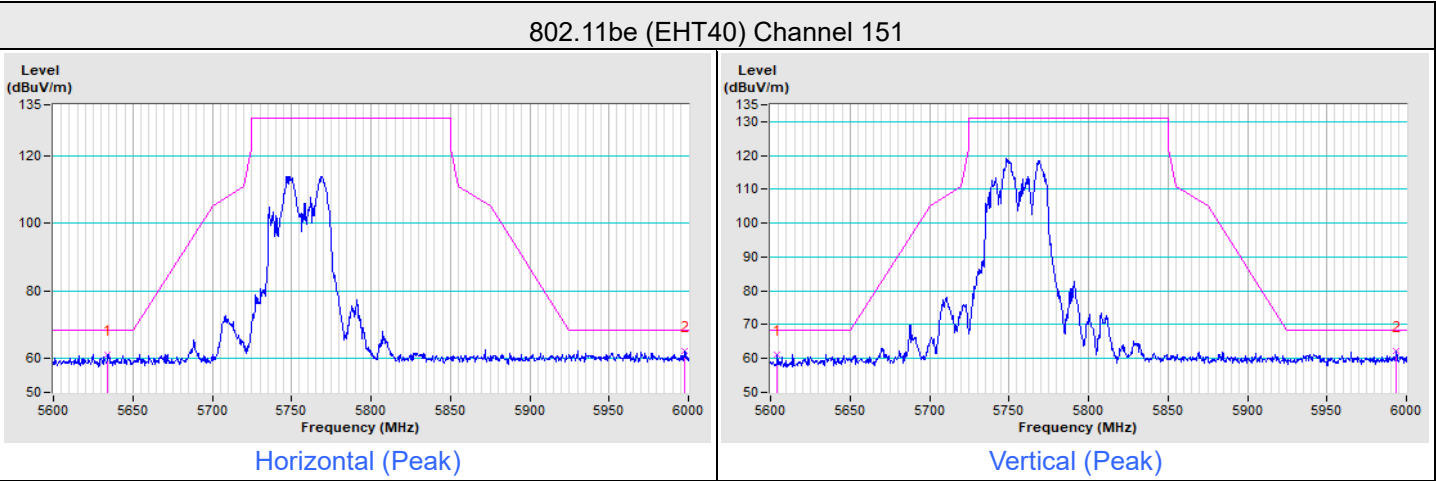
802.11be (EHT40) Channel 134



Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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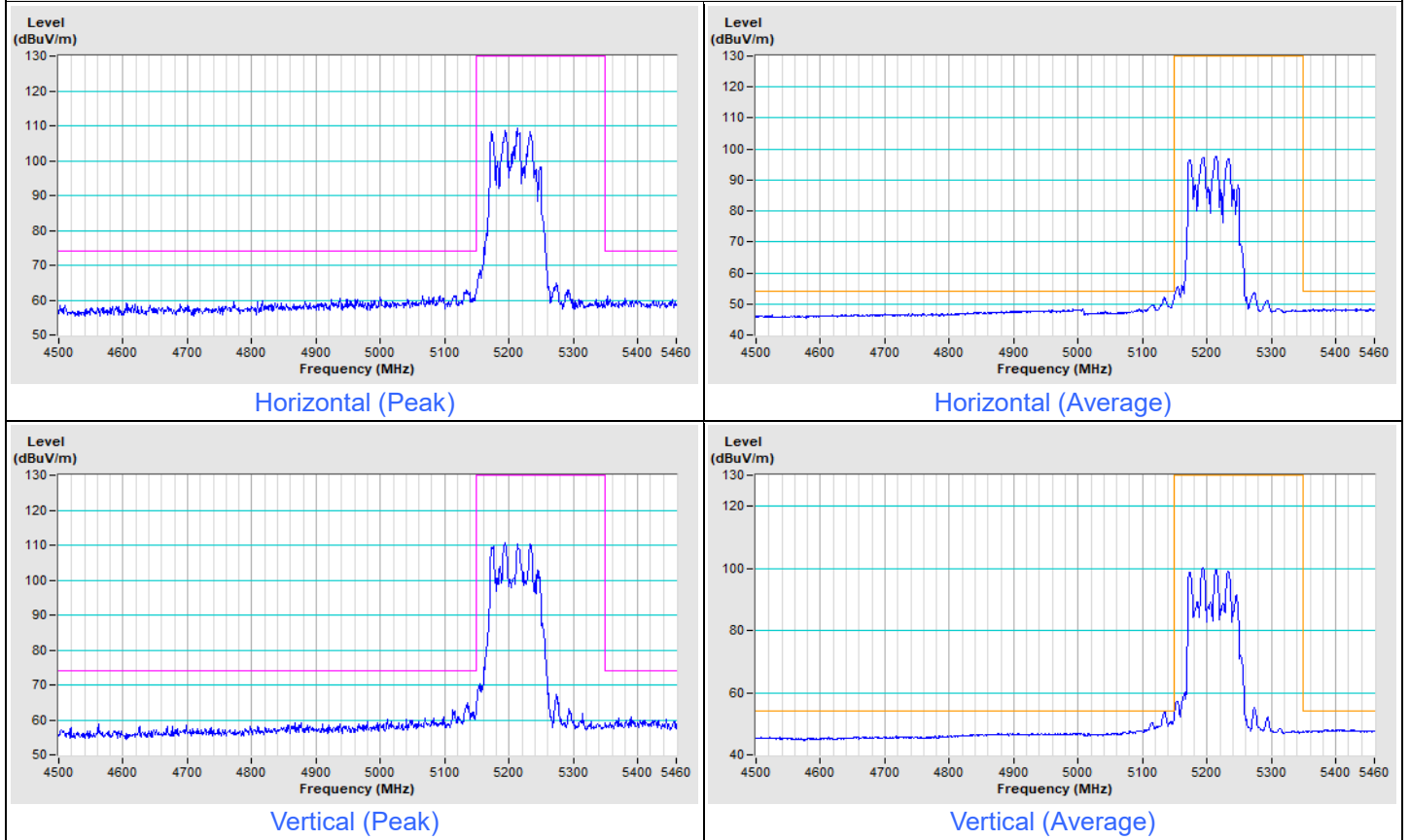


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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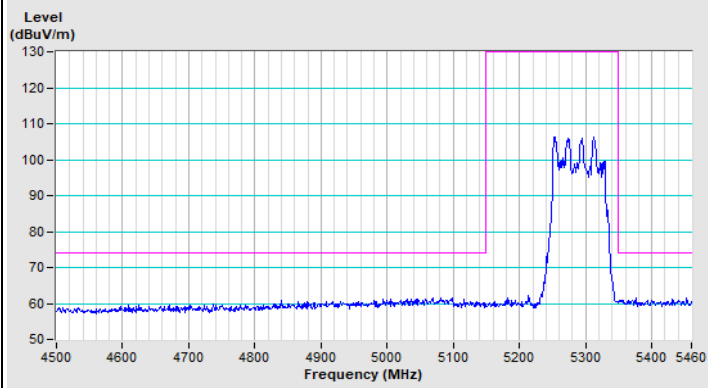


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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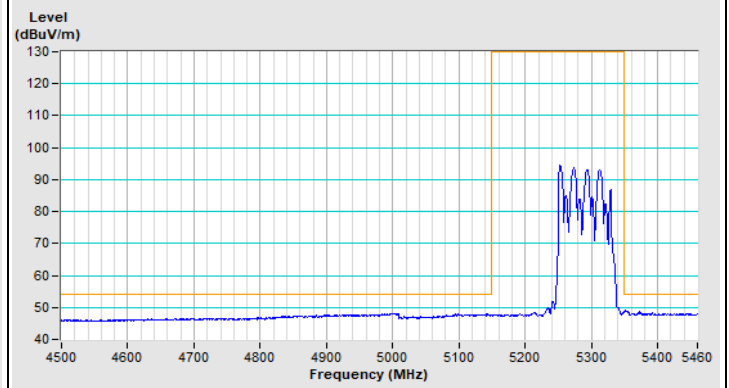
802.11be (EHT80) Channel 42



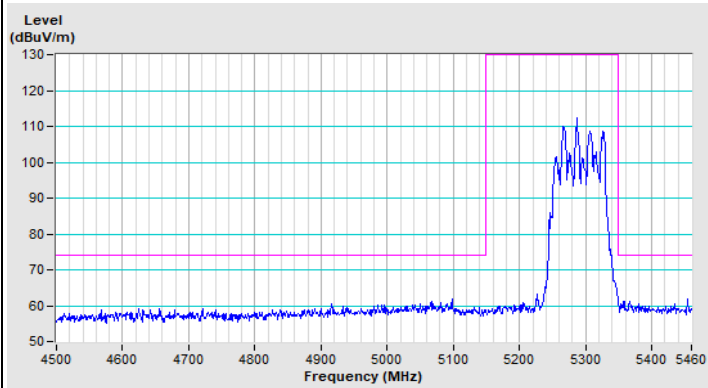
802.11be (EHT80) Channel 58



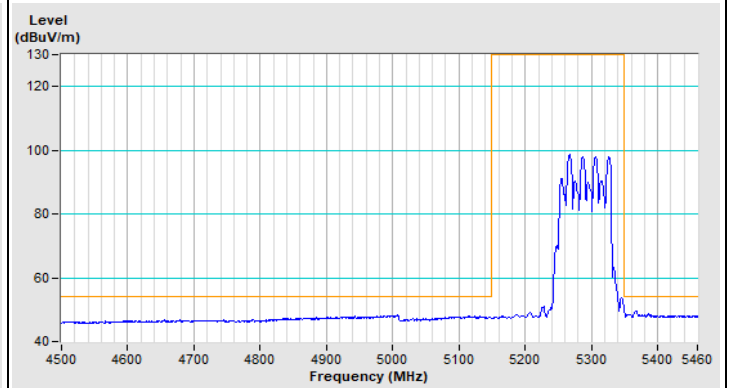
Horizontal (Peak)



Horizontal (Average)



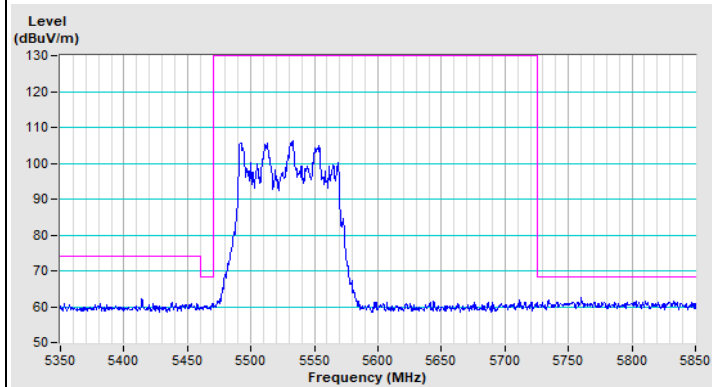
Vertical (Peak)



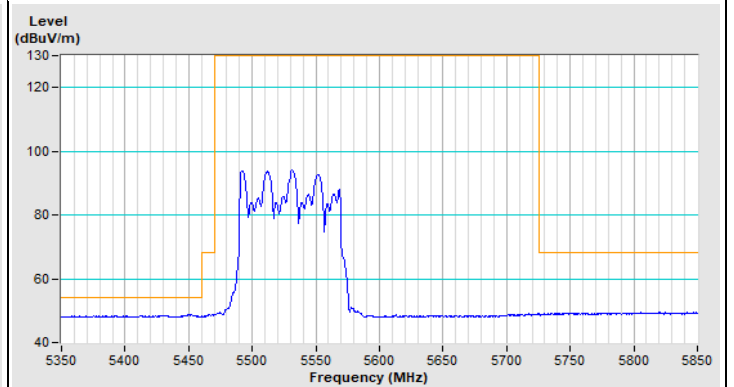
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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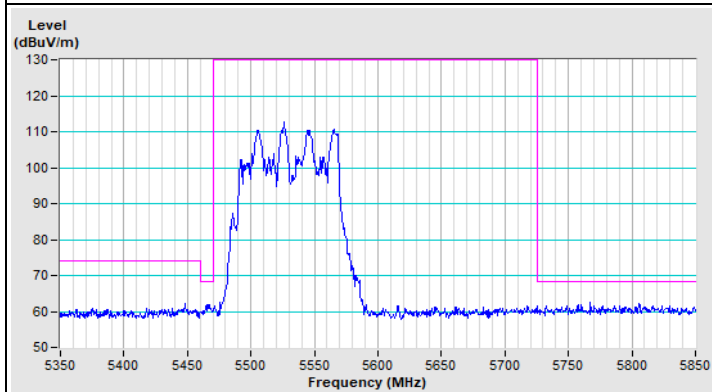
802.11be (EHT80) Channel 106



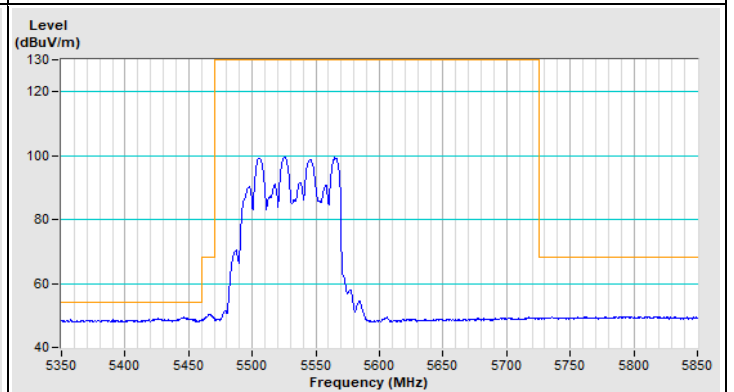
Horizontal (Peak)



Horizontal (Average)

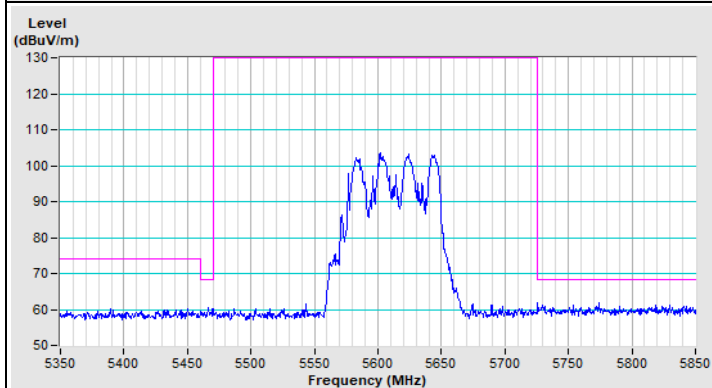


Vertical (Peak)

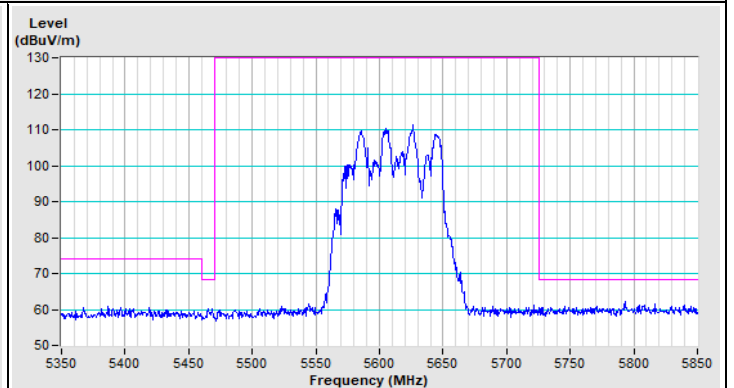


Vertical (Average)

802.11be (EHT80) Channel 122



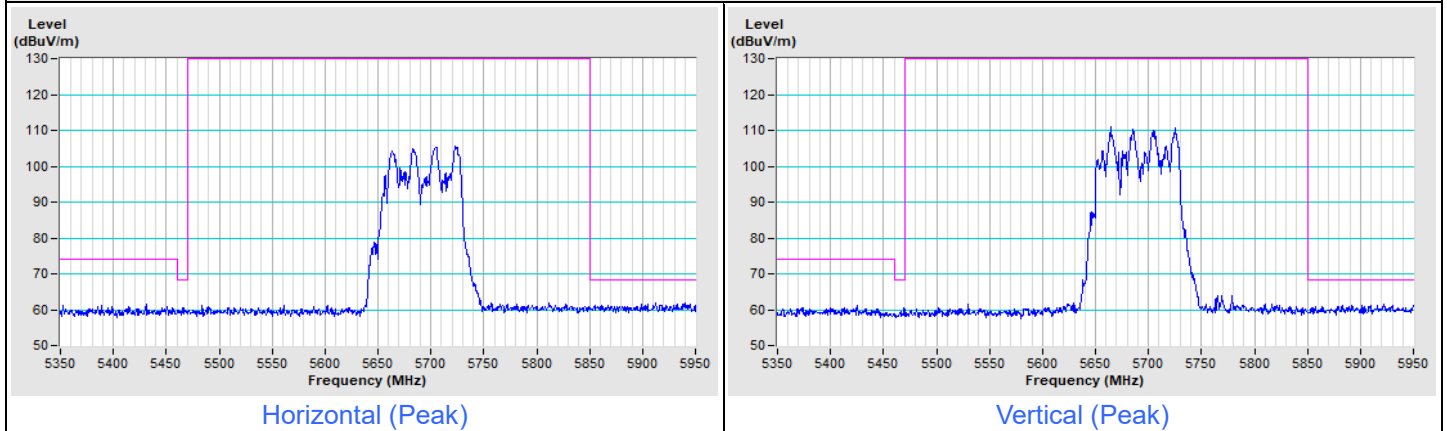
Horizontal (Peak)



Vertical (Peak)

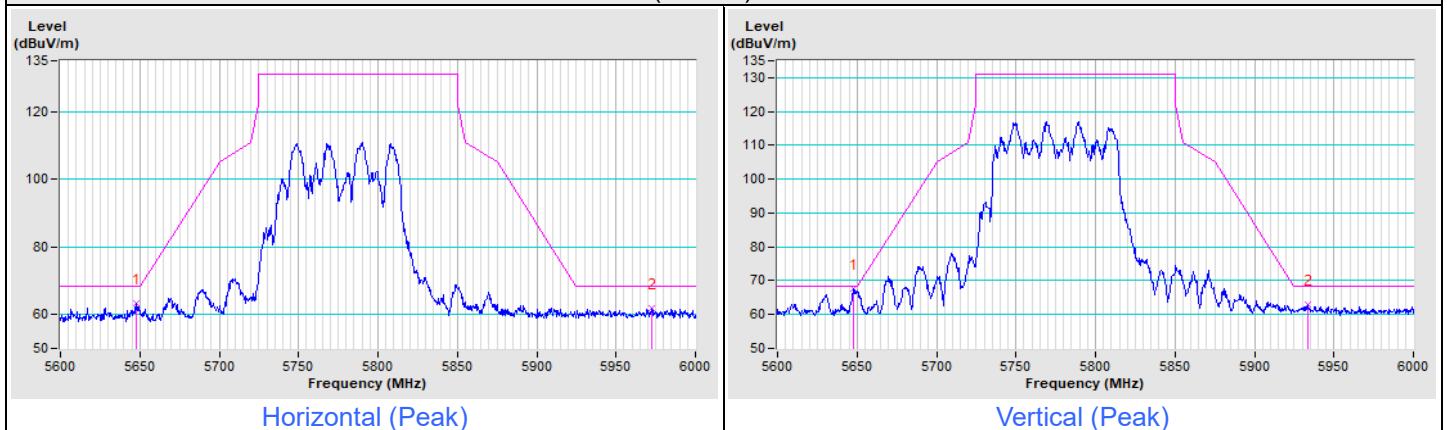
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT80) Channel 138



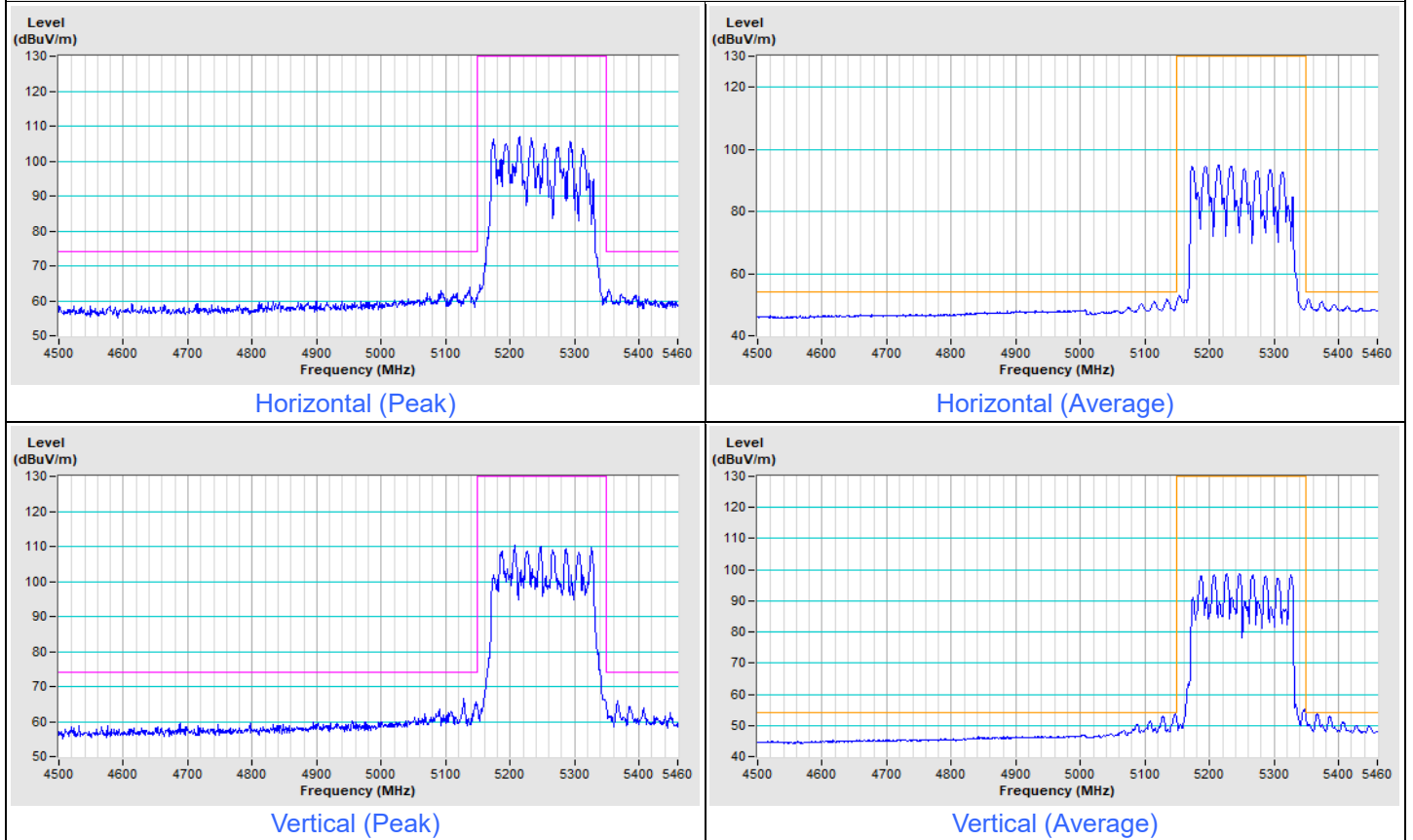
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT80) Channel 155



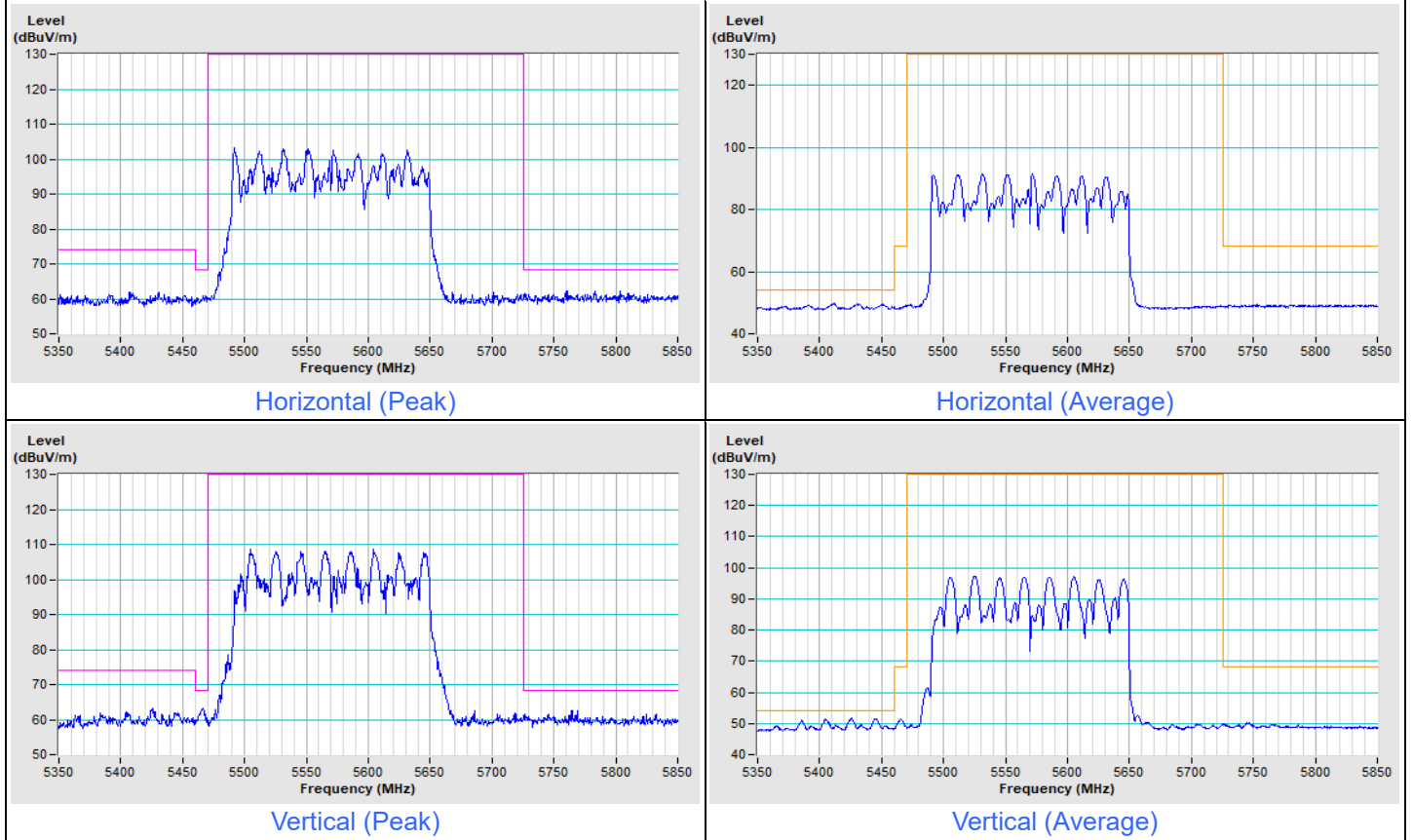
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 50



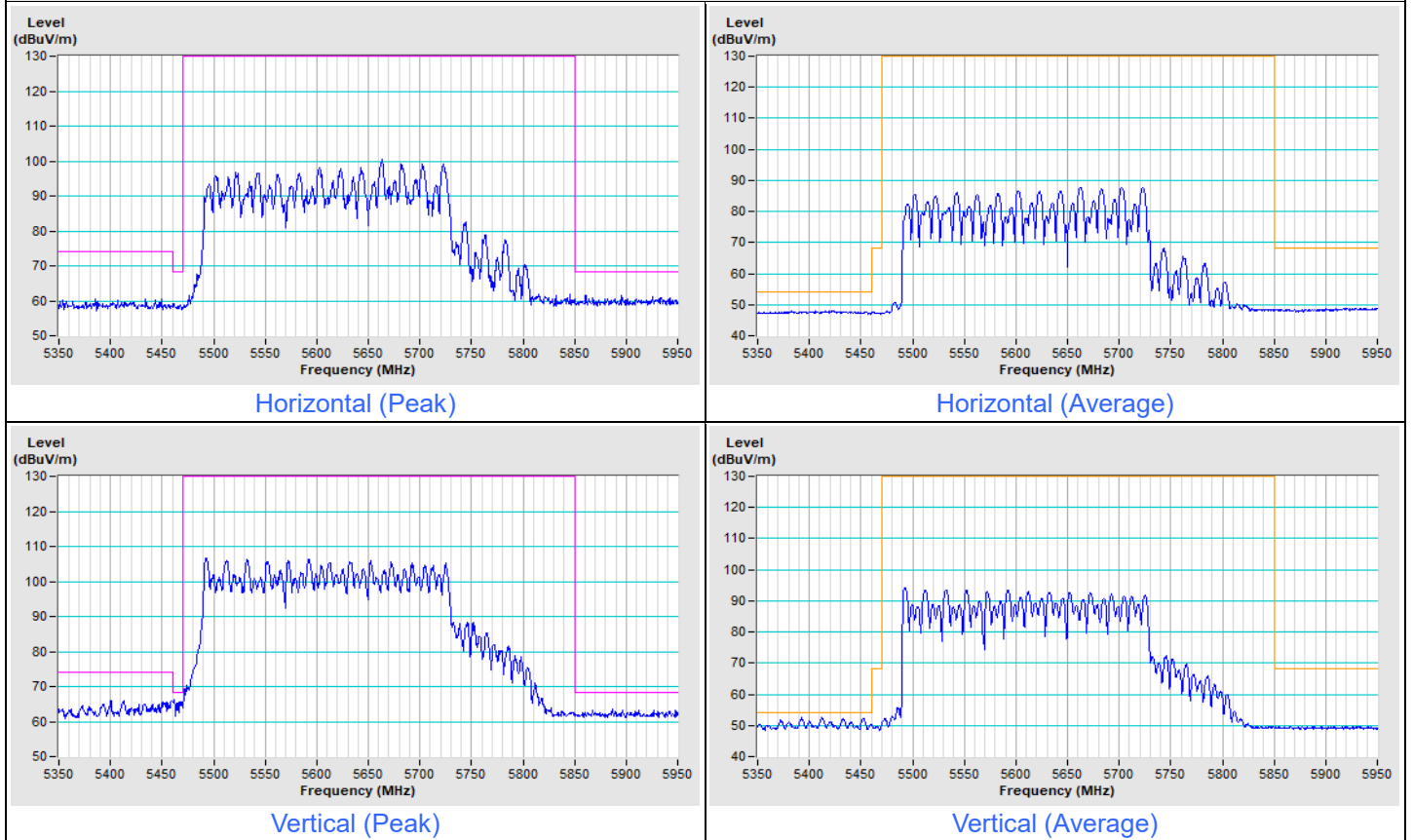
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 114



Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT240) Channel 114+138



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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