TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBBQZ-WTW-P24010702-1
FCC ID:	PY323400612
Product:	NIGHTHAWK BE18000 WiFi 7 Router
Brand:	NETGEAR
Model No.:	RS600
Received Date:	2024/2/2
Test Date:	2024/2/23 ~ 2024/6/7
Issued Date:	2024/7/1
Applicant and Manufacturer:	NETGEAR, INC.
Address:	350 East Plumeria Drive San Jose CA 95134
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** 2024/7/1

Jeremy Lin / Project Engineer

This test report consists of 147 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.

Prepared by : Celine Chou / Senior Specialist

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P24010702-1	Original release.	2024/7/1

1 Certificate

Product:	NIGHTHAWK BE18000 WiFi 7 Router
Brand:	NETGEAR
Test Model:	RS600
Sample Status:	Engineering sample
Applicant and Manufacturer:	NETGEAR, INC.
Test Date:	2024/2/23 ~ 2024/6/7
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(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -18.54 dB at 0.18200 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.7 dB at 60.07 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 5150.00 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:

Parameter	Specification	Uncertainty (±)
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
Frequency Stability	-	0.176 ppm
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	NIGHTHAWK BE18000 WiFi 7 Router
Brand	NETGEAR
Test Model	RS600
Status of EUT	Engineering sample
Power Supply Rating	19 Vdc from adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 5764 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.26 GHz ~ 5.32 GHz 5.50 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 12 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 6 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2
Output Power	5.18 GHz ~ 5.25 GHz: 849.988 mW (29.29 dBm) 5.26 GHz ~ 5.32 GHz: 211.011 mW (23.24 dBm) 5.50 GHz ~ 5.72 GHz: 213.016 mW (23.28 dBm) 5.745 GHz ~ 5.825 GHz: 855.239 mW (29.32 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

AC Adapter 1			
Brand	Model	Part Number	Specification
NETGEAR	ADS-65GNC-19 19065E	332-11720-01	AC Input: 100-240 Vac, 50/60 Hz, 1.5 A DC Output: 19 Vdc, 3.42 A, 64.98 W DC Output Cable: 1.8 m / 0 core Plug: US/EU/AU Manufacturer: Vietnam Honor High Tech Company Limited
AC Adapter 2			
Brand	Model	Part Number	Specification
NETGEAR	G1A065KC	332-11718-01	AC Input: 100-240 Vac, 50/60 Hz, 1.5 A DC Output: 19 Vdc, 3.42 A, 65.0W DC Output Cable: 1.85 m / 0 core Plug: US/EU/AU Manufacturer: Power Plus Technology (Vietnam) Corp
Ethernet Cable			
Brand	Model	Specification	
NETGEAR	N/A	Signal Line: 1.95 m	

2. Simultaneously transmission condition.

Condition	Technology		
1	WLAN (2.4GHz)	WLAN (5GHz)	WLAN (6GHz)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.			

3. The EUT has two difference pin-to-pin DR Filter, after pretest the 1st filter was worst case for final test

DR Filter	Description
1st DR Filter	DFJ6610CA30 (SY01166101J91F31C)
2nd DR Filter	DFJ6610DA30 (SY01166101J91H41C)

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type	Dipole
Connector Type	ipex(MHF)
Antenna Gain	Directional Gain (dBi)
2400~2483.5 MHz	3.66
5150~5250 MHz	6.04
5250~5350 MHz	6.07
5470~5725 MHz	6.19
5725~5850 MHz	6.32

*The detailed antenna information, please refer to the BV CPS Directional Gain Measurement Report no.: RFBBQZ-WTW-P24010702-6.

2. The EUT incorporates a MIMO function:

Modulation Mode	Tx & Rx Configuration	
802.11a	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
802.11ac (VHT20)	4TX	4RX
802.11ac (VHT40)	4TX	4RX
802.11ac (VHT80)	4TX	4RX
802.11ac (VHT160)	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11ax (HE80)	4TX	4RX
802.11ax (HE160)	4TX	4RX
802.11be (EHT20)	4TX	4RX
802.11be (EHT40)	4TX	4RX
802.11be (EHT80)	4TX	4RX
802.11be (EHT160)	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, 160MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160MHz), and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160MHz), therefore the manufacturer will control the power for 802.11n/ac/ax mode is the same as the 802.11be or lower than it and investigated worst case to representative mode in test report.
4. For 802.11ax/be, the EUT not support Partial RU (resource unit) and channel puncturing/bandwidth reduction mechanisms.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. For Unwanted Emission (below 1GHz) and AC Power Conducted Emissions items: AC Adapter 1 and AC Adapter 2. Pre-scan these modes and find the worst case as a representative test condition. 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. AC Adapter 1 and AC Adapter 2 Worst Condition: AC Adapter 2 2. The EUT is designed to be positioned on the Z-Plane only.

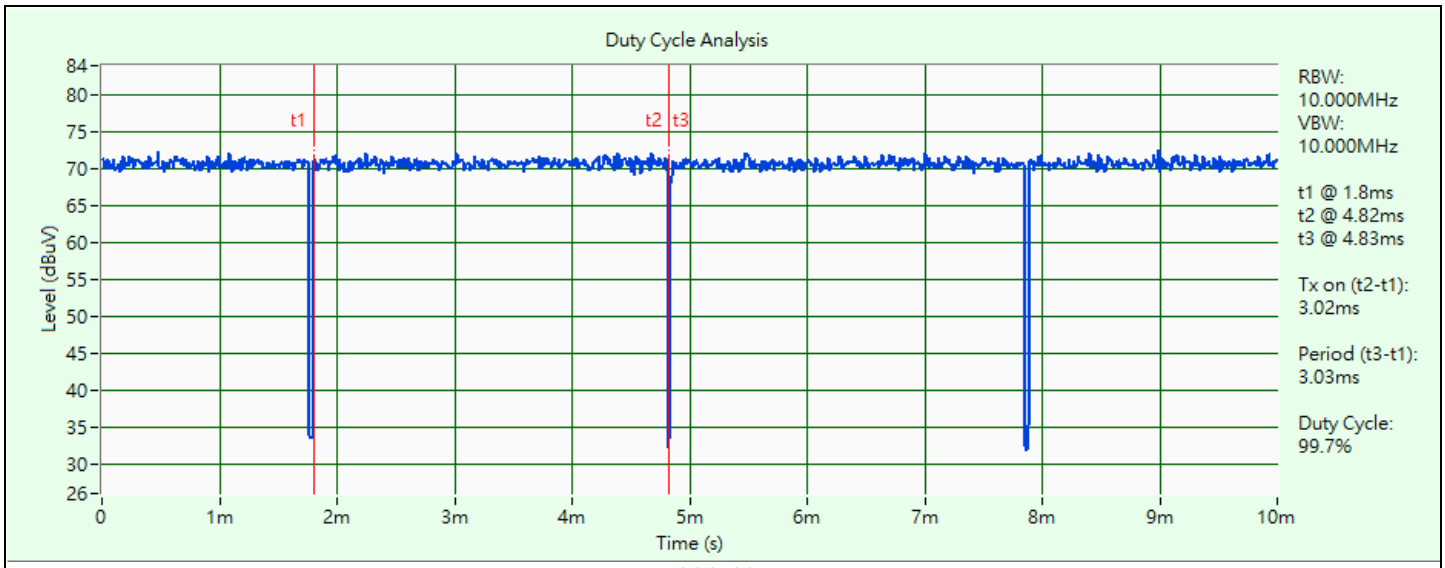
Following channel(s) was (were) selected for the final test as listed below:

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

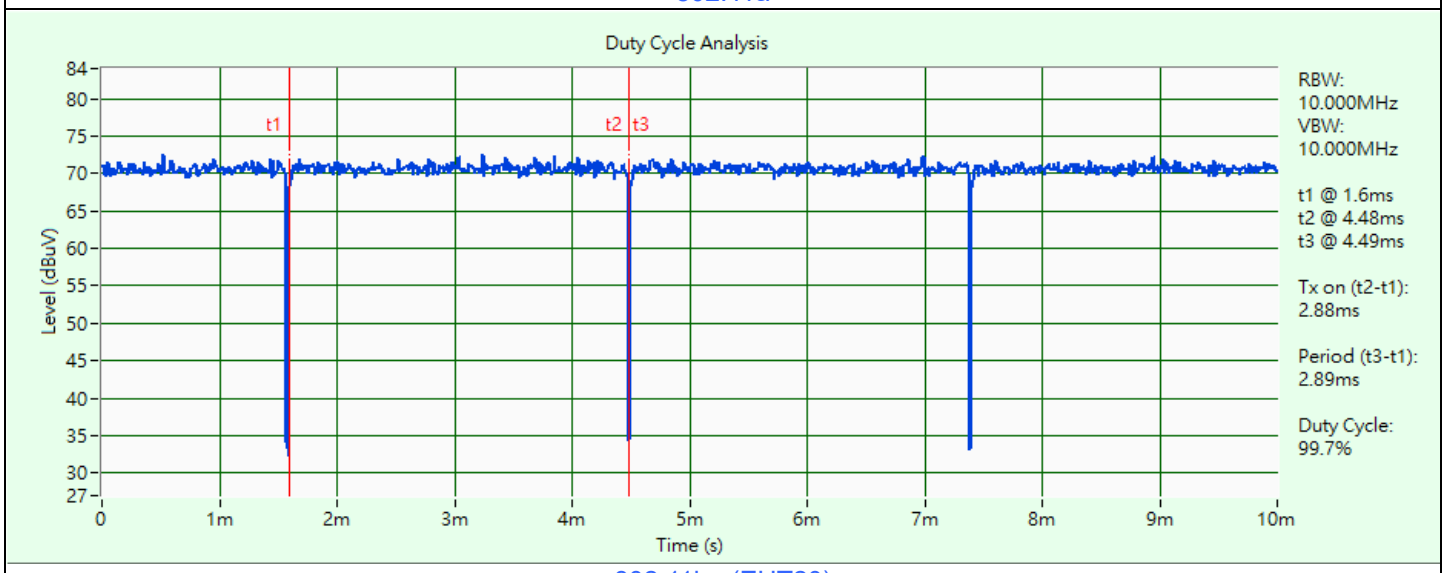
Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Frequency Stability	802.11a	-	36	un-modulation	-
AC Power Conducted Emissions	802.11be (EHT40)	CDD	159	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11be (EHT40)	CDD	159	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	CDD	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
Note: Partial RU (resource unit), channel puncturing and bandwidth reduction mechanisms are not supported.					

3.5 Duty Cycle of Test Signal

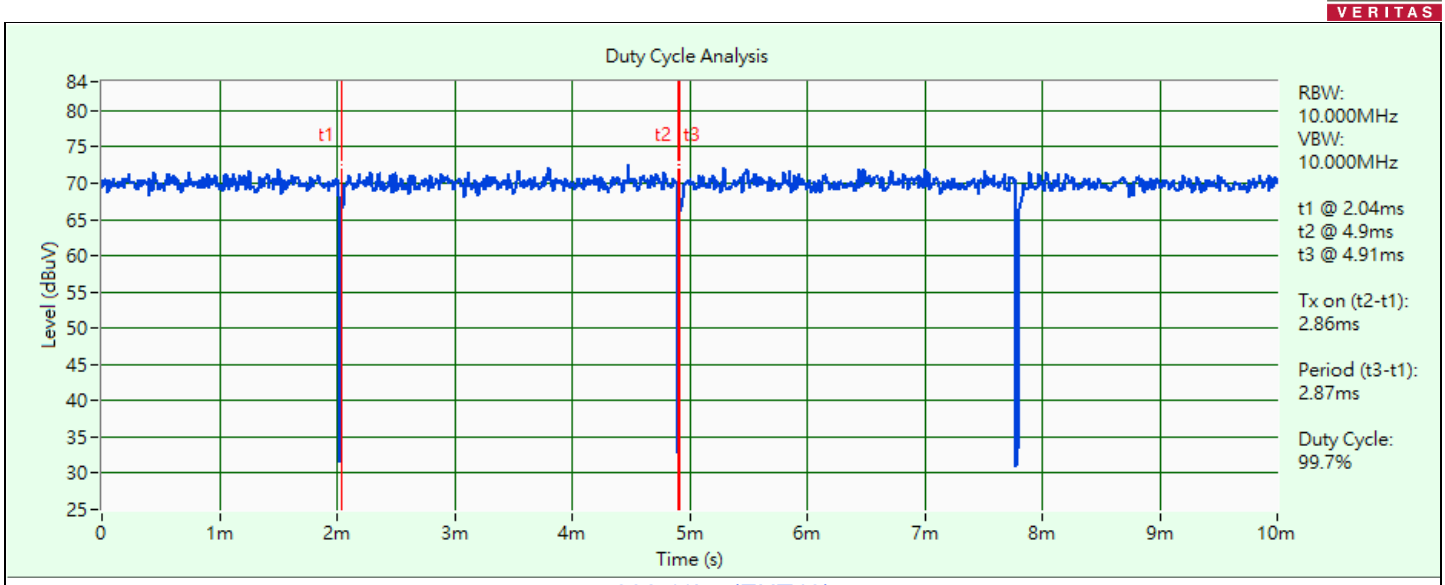
802.11a: Duty cycle = 3.02 ms / 3.03 ms x 100% = 99.7%
802.11be (EHT20): Duty cycle = 2.88 ms / 2.89 ms x 100% = 99.7%
802.11be (EHT40): Duty cycle = 2.86 ms / 2.87 ms x 100% = 99.7%
802.11be (EHT80): Duty cycle = 2.86 ms / 2.87 ms x 100% = 99.7%
802.11be (EHT160): Duty cycle = 2.86 ms / 2.87 ms x 100% = 99.7%



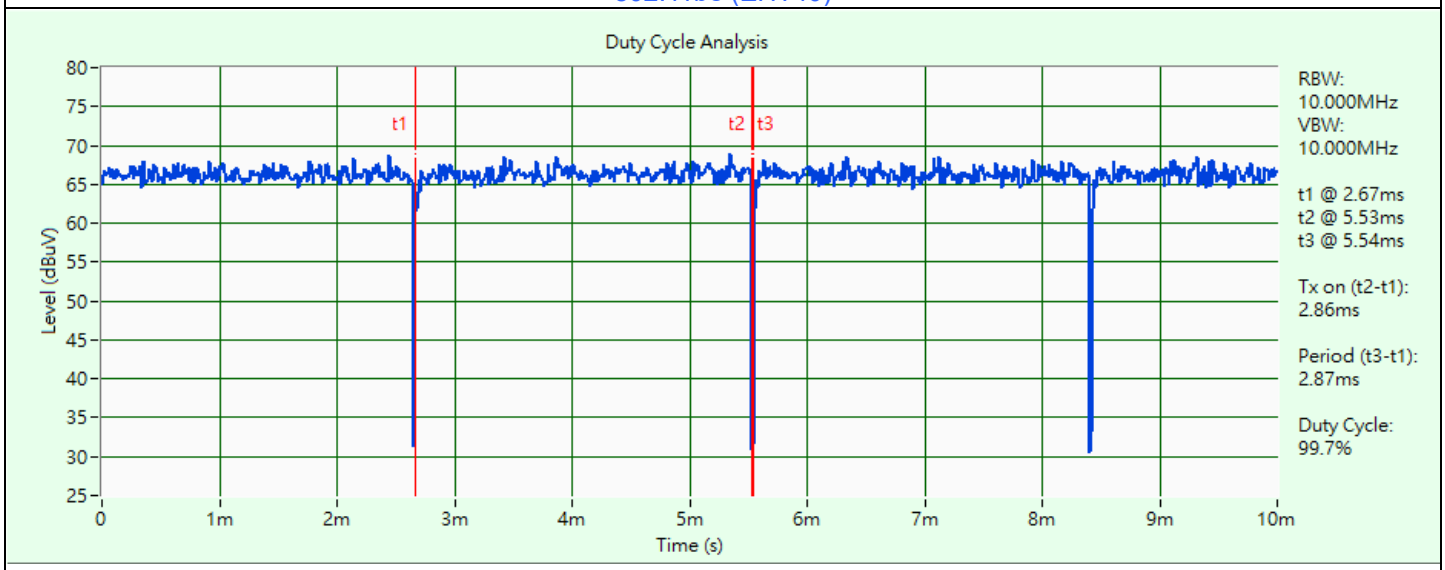
802.11a



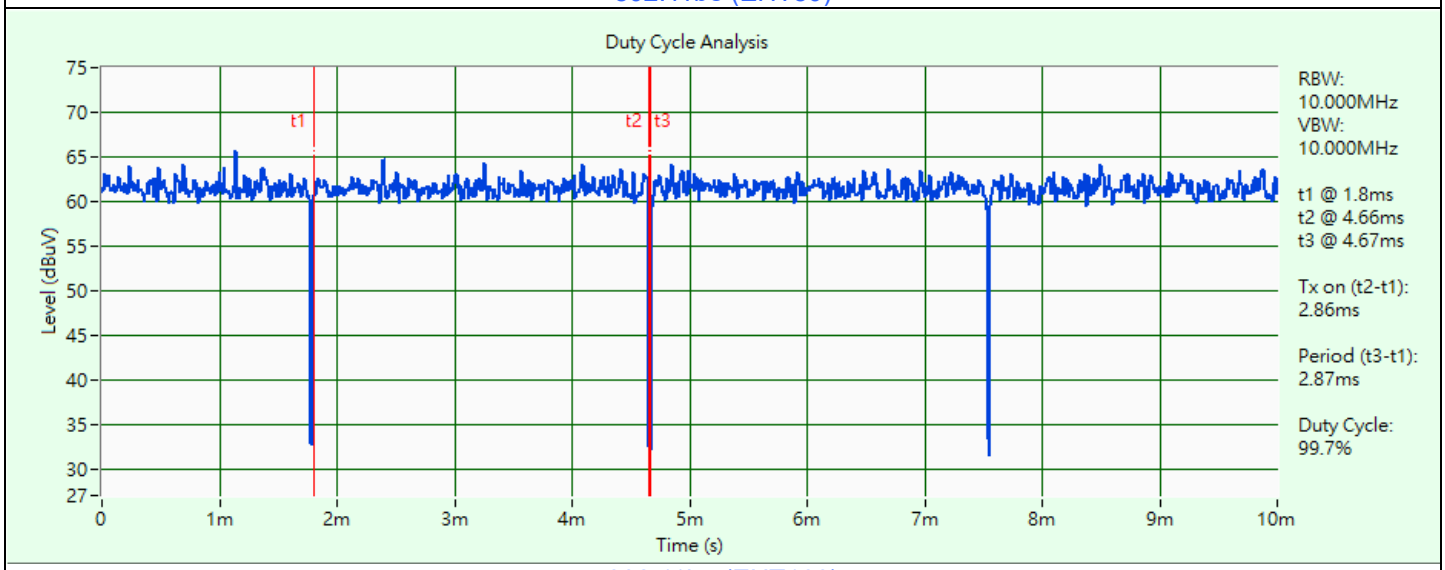
802.11be (EHT20)



802.11be (EHT40)



802.11be (EHT80)

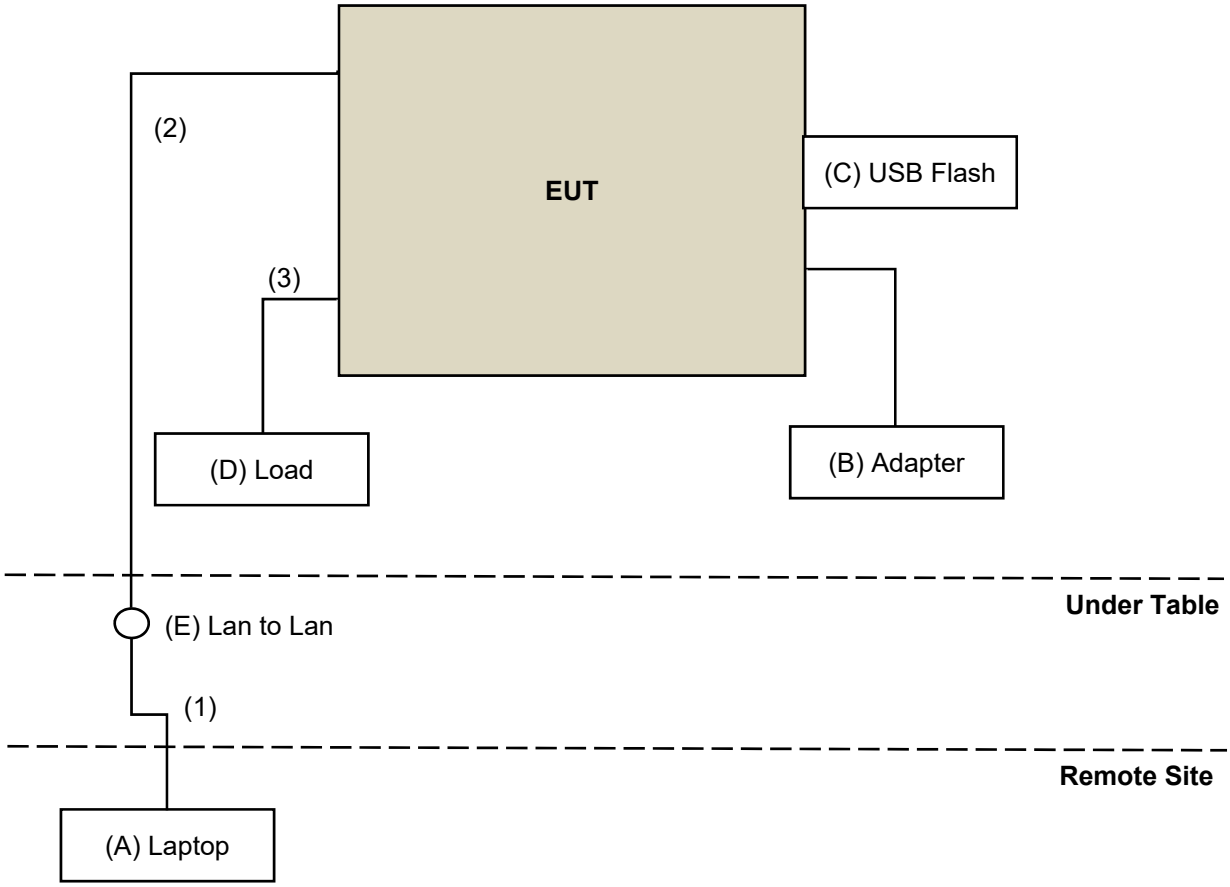


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software accessMTool_REL_3_2_1_5 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	2RL3YW1	N/A	Provided by Lab
B	Adapter	NETGEAR	G1A065KC	N/A	N/A	Accessory of EUT
C	USB Flash	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab
D	Lord	N/A	N/A	N/A	N/A	Provided by Lab
E	Lan to Lan	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	10	N	N	Provided by Lab
2	RJ-45 Cable	1	1.95	N	N	Accessory of EUT
3	RJ-45 Cable	4	1.5	N	N	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: 2024/6/7

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: 2024/6/7

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 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Supply JIN YIH Technology	6905S	1720444	N/A	N/A
Digital Multimeter Fluke	87III	70360742	2023/7/6	2024/7/5
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
Temperature & Humidity Chamber Terchy	HRM-120RF	931022	2023/12/19	2024/12/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/6/7

4.7 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	100311	2023/9/6	2024/9/5
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	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2024/6/5

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-155	2023/10/13	2024/10/12
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
Preamplifier Agilent	8447D	2944A10631	2024/5/1	2025/4/30
Preamplifier EMCI	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-CH4-01	2023/7/8	2024/7/7
Signal & Spectrum Analyzer R&S	FSW43	101582	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: 2024/6/7

4.9 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	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2023/5/7 2024/5/1	2024/5/6 2025/4/30
	Sucoflex 104	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: 2024/2/23 ~ 2024/5/9

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 ≦ 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 Frequency Stability

The frequency of the carrier signal shall be maintained within band of operation.

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) [*1] PK: 10 (dBm/MHz) [*2] PK: 15.6 (dBm/MHz) [*3] PK: 27 (dBm/MHz) [*4]	PK: 68.2 (dBμV/m) [*1] PK: 105.2 (dBμV/m) [*2] PK: 110.8 (dBμV/m) [*3] PK: 122.2 (dBμV/m) [*4]
[*1] beyond 75 MHz or more above of the band edge. [*2] below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. [*3] below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. [*4] from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

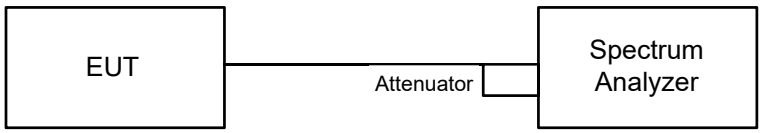
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



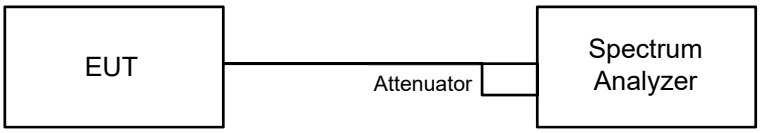
6.1.2 Test Procedure

a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the 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:

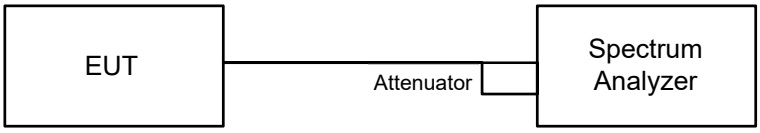
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. 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

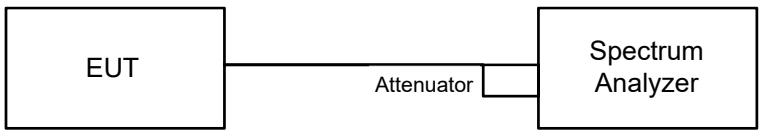
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

For specified measurement bandwidth 500 kHz:
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
c. 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 BWCF = 10log(500 kHz/300 kHz)
d. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
e. Sweep time = auto, trigger set to “free run”.
f. Trace average at least 100 traces in power averaging mode.
g. Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

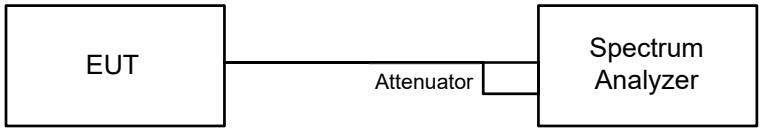


6.4.2 Test Procedure

a. Set resolution bandwidth (RBW) = 100 kHz.
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. 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

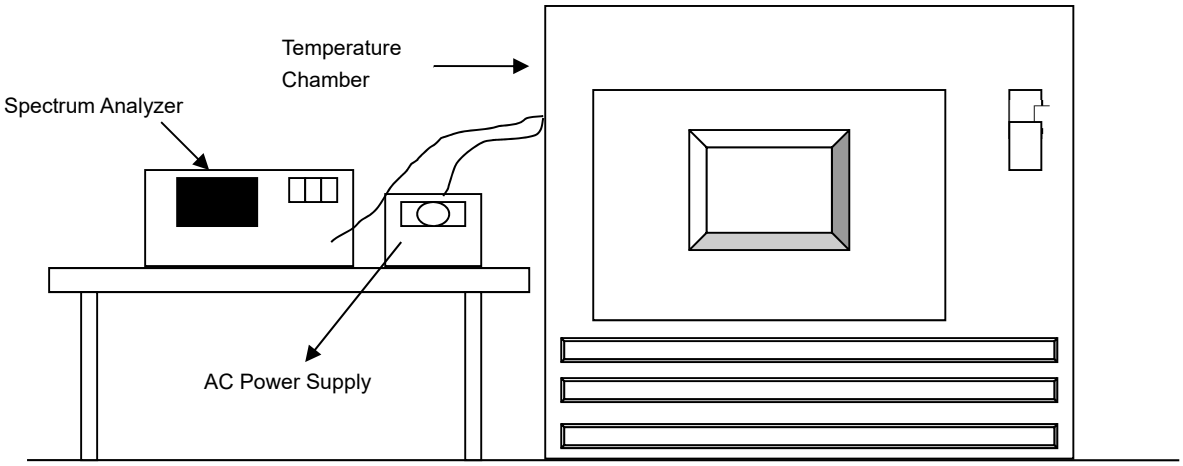


6.5.2 Test Procedure

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 Frequency Stability

6.6.1 Test Setup

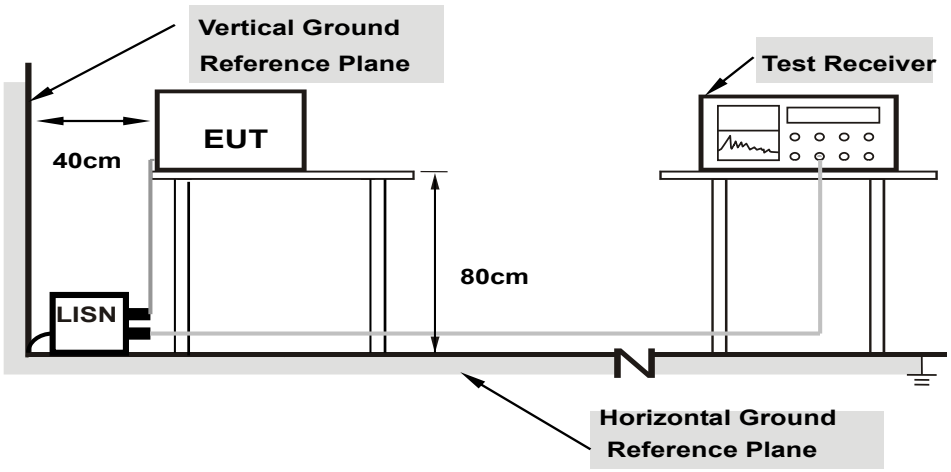


6.6.2 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
b. Turn the EUT on and couple its output to a spectrum analyzer.
c. Turn the EUT off and set the chamber to the highest temperature specified.
d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
e. Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

a. 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.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

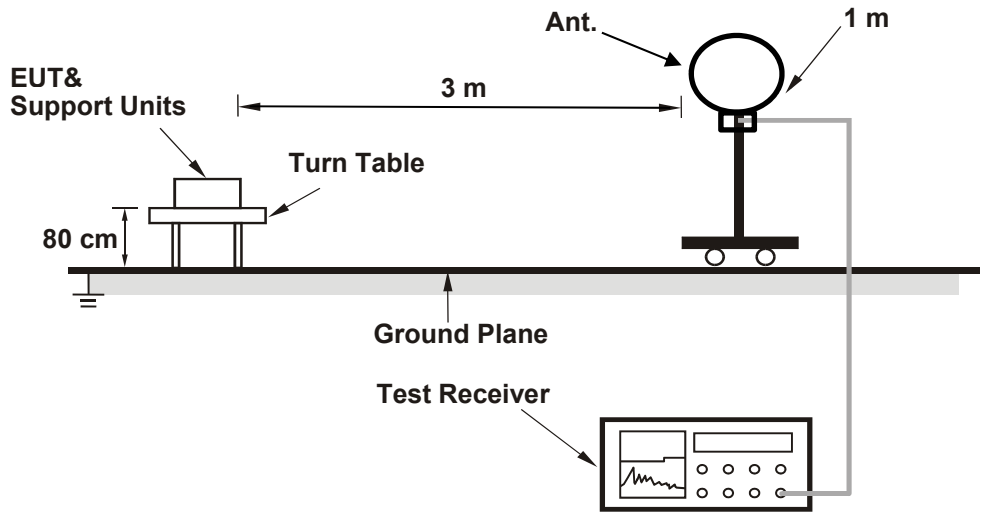
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

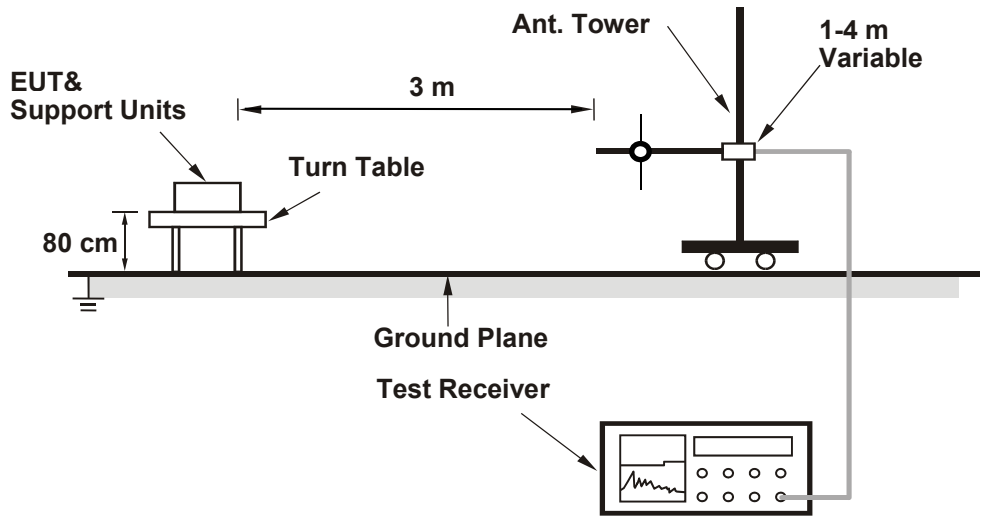
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, 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.

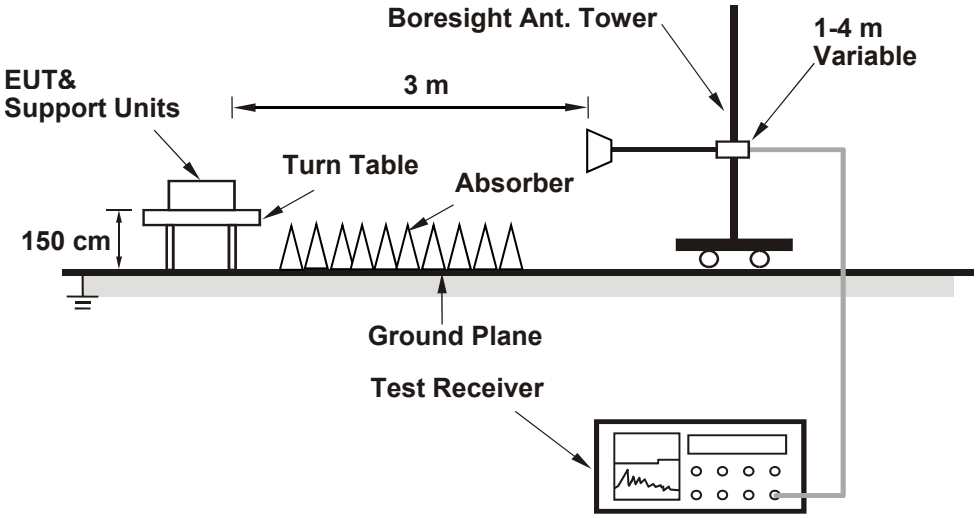
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

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.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

a. 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.

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 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:

1. 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.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10 Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1 GHz.
3. 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:	Jisyong Wang

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	23.31	22.47	24.37	23.54
60	5300	22.86	22.67	23.37	25.52
64	5320	23.36	23.15	26.66	23.62
100	5500	22.51	23.88	23.24	23.58
116	5580	24.20	22.46	24.71	23.29
140	5700	21.77	21.59	21.57	21.62
144 (U-NII-2C)	5720	16.08	16.81	17.05	16.80
144 (U-NII-3)	5720	6.41	6.53	6.74	6.47

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.47	24.51	>	24
60	5300	22.67	24.55	>	24
64	5320	23.15	24.64	>	24
100	5500	22.51	24.52	>	24
116	5580	22.46	24.51	>	24
140	5700	21.57	24.33	>	24
144 (U-NII-2C)	5720	16.08	23.06	<	24

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

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	24.78	26.86	28.63	27.61
60	5300	24.52	24.41	29.96	26.20
64	5320	24.21	28.59	28.21	28.73
100	5500	24.53	23.95	31.77	27.38
116	5580	25.39	26.48	28.08	25.89
140	5700	21.83	21.82	21.75	21.59
144 (U-NII-2C)	5720	17.07	21.22	21.21	16.31
144 (U-NII-3)	5720	6.12	6.85	8.84	6.91

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	24.78	24.94	>	24
60	5300	24.41	24.87	>	24
64	5320	24.21	24.83	>	24
100	5500	23.95	24.79	>	24
116	5580	25.39	25.04	>	24
140	5700	21.59	24.34	>	24
144 (U-NII-2C)	5720	16.31	23.12	<	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	50.49	42.13	47.09	43.31
62	5310	50.57	47.78	49.42	51.25
102	5510	46.33	47.17	48.37	44.41
110	5550	45.28	43.60	43.28	43.15
134	5670	43.33	44.96	42.90	43.00
142 (U-NII-2C)	5710	36.46	37.65	37.02	35.95
142 (U-NII-3)	5710	6.43	6.22	6.30	6.23

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	42.13	27.24	>	24
62	5310	47.78	27.79	>	24
102	5510	44.41	27.47	>	24
110	5550	43.15	27.34	>	24
134	5670	42.90	27.32	>	24
142 (U-NII-2C)	5710	35.95	26.55	>	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	86.13	85.88	88.05	84.81
106	5530	86.69	83.83	85.91	87.01
122	5610	84.94	85.42	84.89	85.31
138 (U-NII-2C)	5690	77.14	76.86	77.37	77.28
138 (U-NII-3)	5690	6.81	6.90	6.87	6.57

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	84.81	30.28	>	24
106	5530	83.83	30.23	>	24
122	5610	84.89	30.28	>	24
138 (U-NII-2C)	5690	76.86	29.85	>	24

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

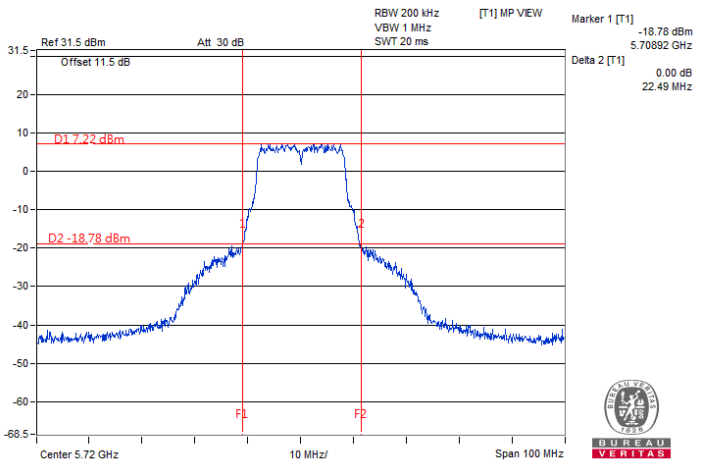
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	83.61	83.21	83.24	83.35
50 (U-NII-2A)	5250	82.96	82.97	83.05	83.08
114	5570	165.82	166.00	165.88	166.19

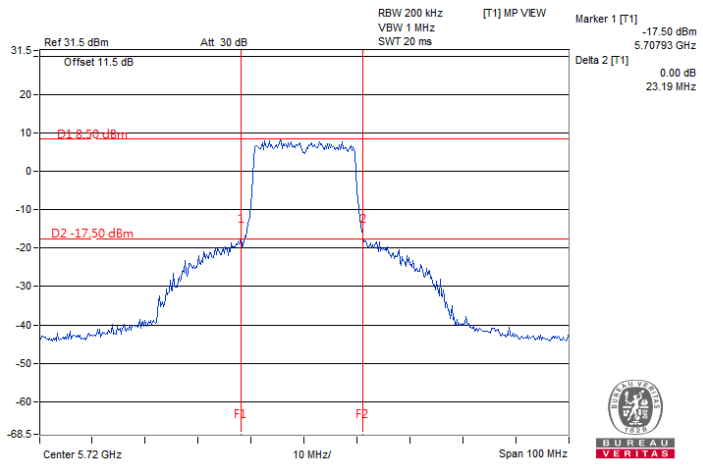
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	82.96	30.18	>	24
114	5570	165.82	33.19	>	24

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

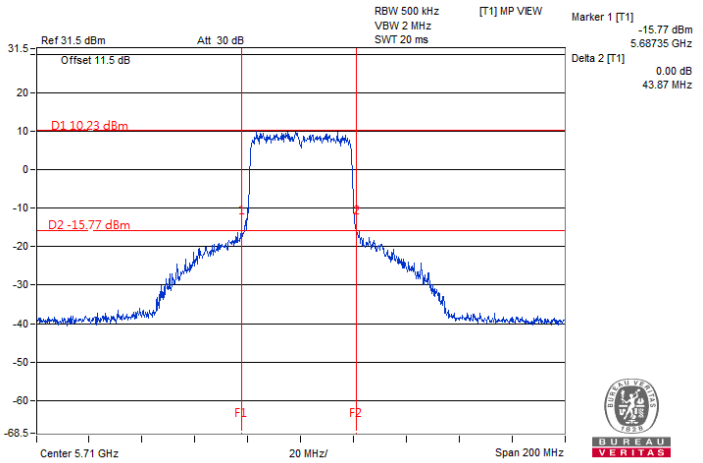
Spectrum Plot of Minimum Value



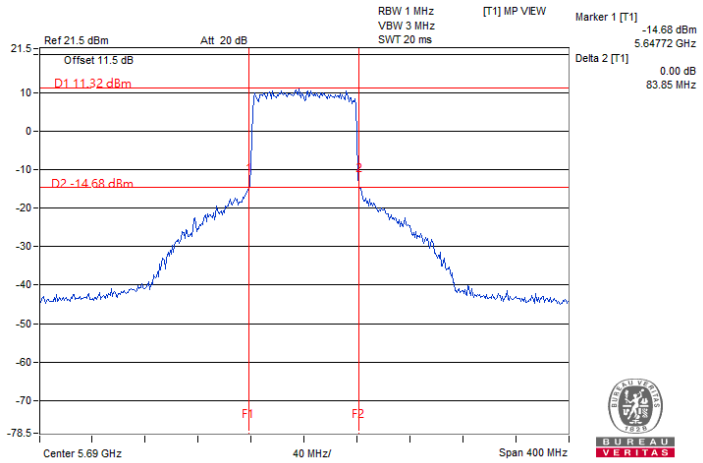
802.11a / Chain 0 : CH 144 (U-NII-3)



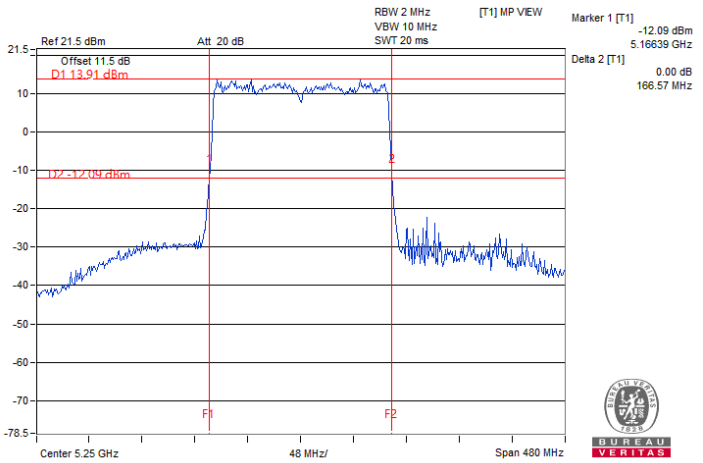
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



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



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



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

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:	Jisyong Wang

802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	22.74	22.91	22.88	22.87	771.096	28.87	30	Pass
40	5200	23.25	23.32	23.15	23.29	845.974	29.27	30	Pass
48	5240	23.17	23.35	23.05	23.51	849.988	29.29	30	Pass
52	5260	17.16	17.58	16.72	17.02	206.619	23.15	24	Pass
60	5300	17.12	17.47	16.94	16.79	204.554	23.11	24	Pass
64	5320	16.99	17.45	17.25	16.81	206.656	23.15	24	Pass
100	5500	17.15	17.28	16.95	17.26	208.092	23.18	24	Pass
116	5580	16.67	17.18	16.95	17.47	204.083	23.10	24	Pass
140	5700	17.02	17.29	17.22	17.51	213.016	23.28	24	Pass
*144 (U-NII-2C)	5720	15.96	16.06	15.92	16.24	160.967	22.07	23.06	Pass
*144 (U-NII-3)	5720	10.05	9.69	10.21	10.45	41.014	16.13	30	Pass
149	5745	23.37	23.54	22.95	23.32	855.239	29.32	30	Pass
157	5785	23.18	23.52	23.02	23.18	841.292	29.25	30	Pass
165	5825	23.42	23.32	22.58	23.75	852.840	29.31	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.63 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.71 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.02 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.25 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	22.33	22.48	22.49	22.46	701.629	28.46	30	Pass
40	5200	23.08	23.18	23.15	23.31	832.032	29.20	30	Pass
48	5240	23.12	23.25	22.94	23.48	836.097	29.22	30	Pass
52	5260	17.22	17.49	17.05	17.07	210.460	23.23	24	Pass
60	5300	17.21	17.59	17.02	17.02	210.713	23.24	24	Pass
64	5320	17.12	17.42	17.35	16.85	209.473	23.21	24	Pass
100	5500	17.22	17.35	17.05	17.42	212.955	23.28	24	Pass
116	5580	16.72	17.32	17.05	17.52	208.133	23.18	24	Pass
140	5700	16.82	17.21	17.11	17.47	207.937	23.18	24	Pass
*144 (U-NII-2C)	5720	15.73	15.89	15.69	16.20	154.981	21.90	23.12	Pass
*144 (U-NII-3)	5720	10.26	10.58	10.04	11.32	45.690	16.60	30	Pass
149	5745	23.27	23.45	23.07	23.22	846.296	29.28	30	Pass
157	5785	22.92	23.42	22.95	23.26	824.749	29.16	30	Pass
165	5825	23.35	23.28	22.45	23.75	842.015	29.25	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.63 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.71 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.02 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.25 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	20.62	20.82	20.42	20.55	459.782	26.63	30	Pass
46	5230	23.38	23.31	22.92	23.22	837.838	29.23	30	Pass
54	5270	17.29	17.51	16.95	17.12	211.011	23.24	24	Pass
62	5310	17.22	17.42	17.28	16.78	209.030	23.20	24	Pass
102	5510	17.17	17.38	16.58	17.15	204.200	23.10	24	Pass
110	5550	17.05	17.32	16.58	17.35	204.474	23.11	24	Pass
134	5670	16.78	17.37	17.25	17.12	206.830	23.16	24	Pass
*142 (U-NII-2C)	5710	16.47	16.59	15.97	16.62	175.421	22.44	24	Pass
*142 (U-NII-3)	5710	7.01	7.11	5.16	7.61	19.212	12.84	30	Pass
151	5755	23.12	23.45	23.32	23.28	854.023	29.31	30	Pass
159	5795	23.07	23.47	23.35	23.29	854.676	29.32	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.63 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.71 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.02 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.25 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.68	21.15	20.48	20.55	472.454	26.74	30	Pass
58	5290	17.18	17.48	17.18	16.95	210.000	23.22	24	Pass
106	5530	17.09	17.72	16.82	17.08	209.459	23.21	24	Pass
122	5610	17.25	17.32	16.42	17.48	206.868	23.16	24	Pass
*138 (U-NII-2C)	5690	17.08	16.12	15.60	16.33	171.238	22.34	24	Pass
*138 (U-NII-3)	5690	3.44	2.66	1.64	2.74	7.391	8.69	30	Pass
155	5775	22.05	22.17	22.20	22.44	666.488	28.24	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.63 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.71 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.02 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.25 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	16.29	16.19	15.75	15.71	158.974	22.01	30	Pass
*50 (U-NII-2A)	5250	16.10	16.03	15.59	15.55	152.941	21.85	24	Pass
114	5570	17.08	17.67	16.95	16.85	207.492	23.17	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.63 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.71 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.02 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	22.33	22.48	22.49	22.46	701.629	28.46	29.96	Pass
40	5200	23.08	23.18	23.15	23.31	832.032	29.20	29.96	Pass
48	5240	23.12	23.25	22.94	23.48	836.097	29.22	29.96	Pass
52	5260	17.22	17.49	17.05	17.07	210.460	23.23	23.93	Pass
60	5300	17.21	17.59	17.02	17.02	210.713	23.24	23.93	Pass
64	5320	17.12	17.42	17.35	16.85	209.473	23.21	23.93	Pass
100	5500	17.22	17.35	17.05	17.42	212.955	23.28	23.81	Pass
116	5580	16.72	17.32	17.05	17.52	208.133	23.18	23.81	Pass
140	5700	16.82	17.21	17.11	17.47	207.937	23.18	23.81	Pass
*144 (U-NII-2C)	5720	15.73	15.89	15.69	16.20	154.981	21.90	22.93	Pass
*144 (U-NII-3)	5720	10.26	10.58	10.04	11.32	45.690	16.60	29.68	Pass
149	5745	23.27	23.45	23.07	23.22	846.296	29.28	29.68	Pass
157	5785	22.92	23.42	22.95	23.26	824.749	29.16	29.68	Pass
165	5825	23.35	23.28	22.45	23.75	842.015	29.25	29.68	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
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 6.04 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.04-6) = 29.96 dBm.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.07-6)].
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.19-6)].
6. For U-NII-3, the directional gain is 6.32 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.32-6) = 29.68 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	20.62	20.82	20.42	20.55	459.782	26.63	29.96	Pass
46	5230	23.38	23.31	22.92	23.22	837.838	29.23	29.96	Pass
54	5270	17.29	17.51	16.95	17.12	211.011	23.24	23.93	Pass
62	5310	17.22	17.42	17.28	16.78	209.030	23.20	23.93	Pass
102	5510	17.17	17.38	16.58	17.15	204.200	23.10	23.81	Pass
110	5550	17.05	17.32	16.58	17.35	204.474	23.11	23.81	Pass
134	5670	16.78	17.37	17.25	17.12	206.830	23.16	23.81	Pass
*142 (U-NII-2C)	5710	16.47	16.59	15.97	16.62	175.421	22.44	23.81	Pass
*142 (U-NII-3)	5710	7.01	7.11	5.16	7.61	19.212	12.84	29.68	Pass
151	5755	23.12	23.45	23.32	23.28	854.023	29.31	29.68	Pass
159	5795	23.07	23.47	23.35	23.29	854.676	29.32	29.68	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
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 6.04 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.04-6) = 29.96 dBm.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.07-6)].
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.19-6)].
6. For U-NII-3, the directional gain is 6.32 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.32-6) = 29.68 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	20.68	21.15	20.48	20.55	472.454	26.74	29.96	Pass
58	5290	17.18	17.48	17.18	16.95	210.000	23.22	23.93	Pass
106	5530	17.09	17.72	16.82	17.08	209.459	23.21	23.81	Pass
122	5610	17.25	17.32	16.42	17.48	206.868	23.16	23.81	Pass
*138 (U-NII-2C)	5690	17.08	16.12	15.60	16.33	171.238	22.34	23.81	Pass
*138 (U-NII-3)	5690	3.44	2.66	1.64	2.74	7.391	8.69	29.68	Pass
155	5775	22.05	22.17	22.20	22.44	666.488	28.24	29.68	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
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 6.04 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.04-6) = 29.96 dBm.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.07-6)].
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.19-6)].
6. For U-NII-3, the directional gain is 6.32 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.32-6) = 29.68 dBm.

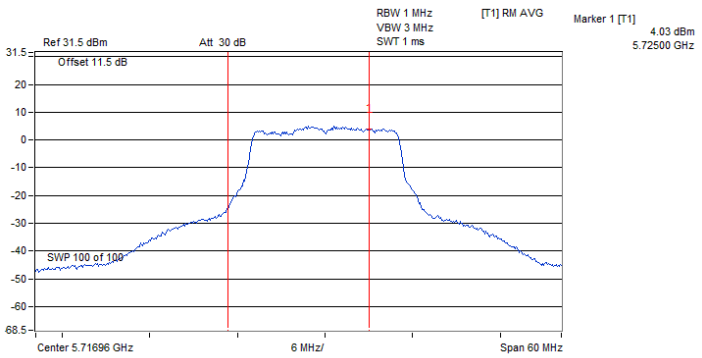
802.11be (EHT160) Beamforming

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	16.29	16.19	15.75	15.71	158.974	22.01	29.96	Pass
*50 (U-NII-2A)	5250	16.10	16.03	15.59	15.55	152.941	21.85	23.93	Pass
114	5570	17.08	17.67	16.95	16.85	207.492	23.17	23.81	Pass

Notes:

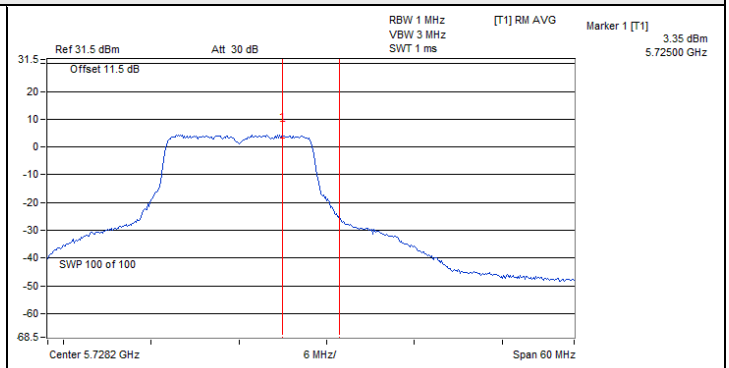
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.04 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.04-6) = 29.96 dBm.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.07-6)].
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.19-6)].

Spectrum Plot for channel straddling



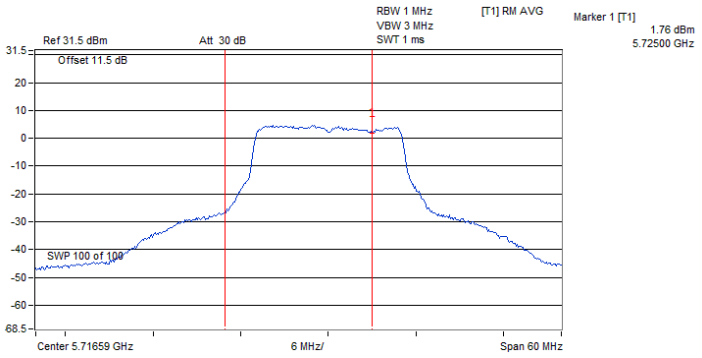
TX Channel Bandwidth 16.08 MHz Power 15.96 dBm

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



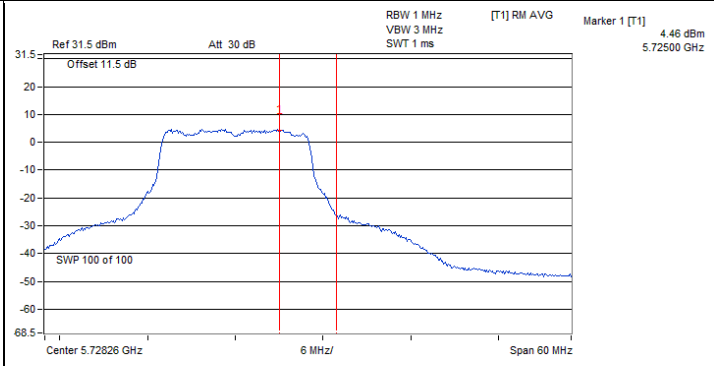
TX Channel Bandwidth 6.41 MHz Power 10.05 dBm

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



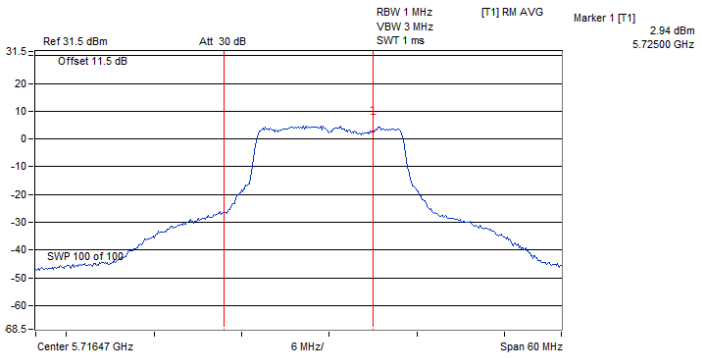
TX Channel Bandwidth 16.81 MHz Power 16.06 dBm

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



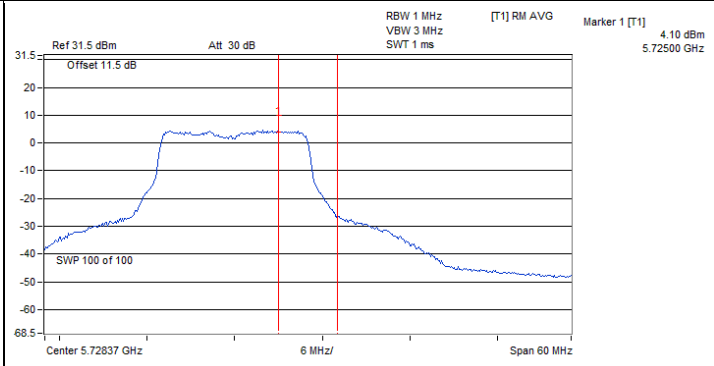
TX Channel Bandwidth 6.53 MHz Power 9.69 dBm

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



TX Channel Bandwidth 17.05 MHz Power 15.92 dBm

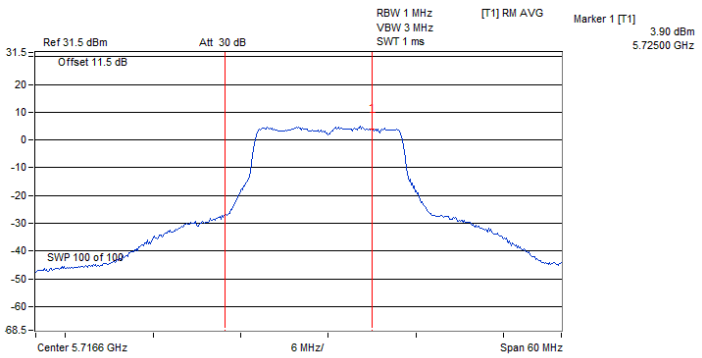
802.11a / Chain 2 : CH 144 (U-NII-2C)



TX Channel Bandwidth 6.74 MHz Power 10.21 dBm

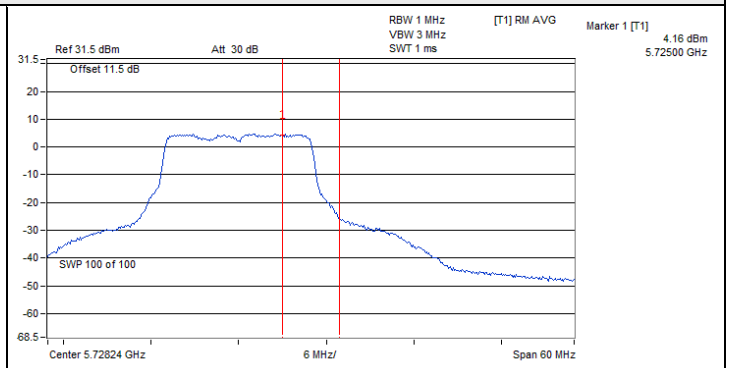
802.11a / Chain 2 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



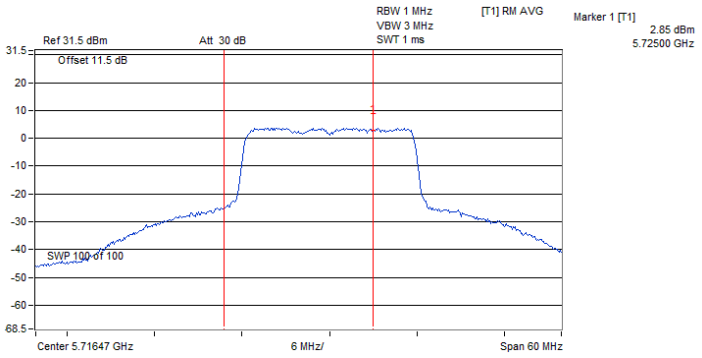
TX Channel Bandwidth 16.8 MHz Power 16.24 dBm

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



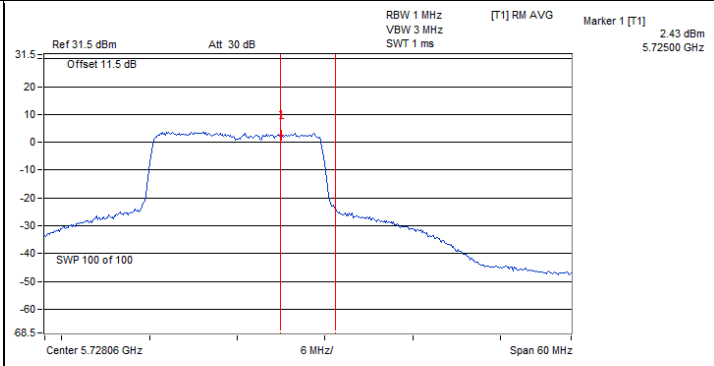
TX Channel Bandwidth 6.47 MHz Power 10.45 dBm

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



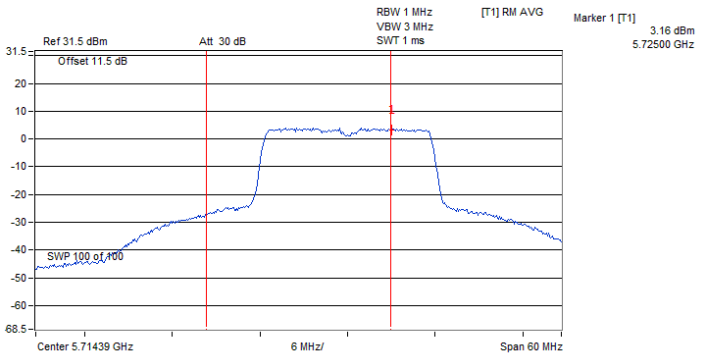
TX Channel Bandwidth 17.07 MHz Power 15.73 dBm

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



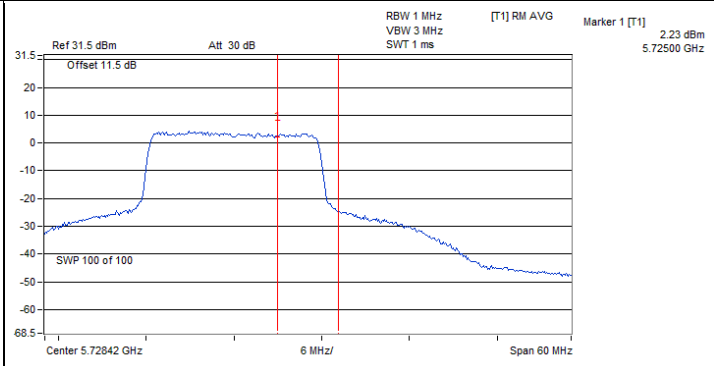
TX Channel Bandwidth 6.12 MHz Power 10.26 dBm

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



TX Channel Bandwidth 21.22 MHz Power 15.89 dBm

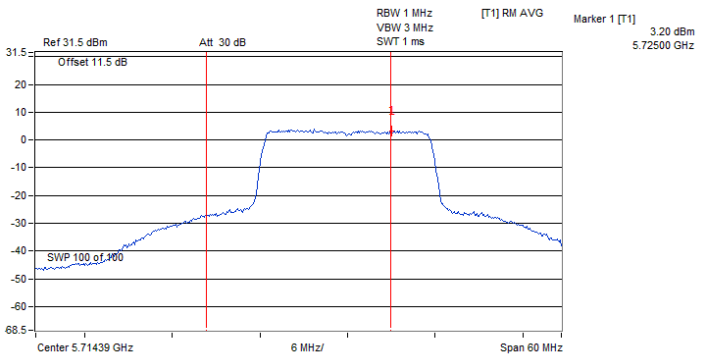
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



TX Channel Bandwidth 6.85 MHz Power 10.58 dBm

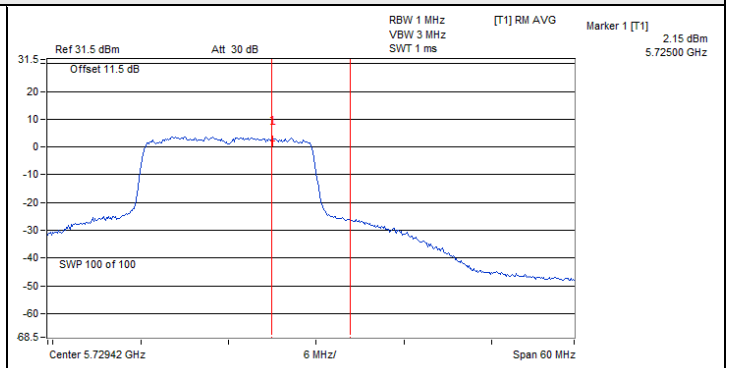
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



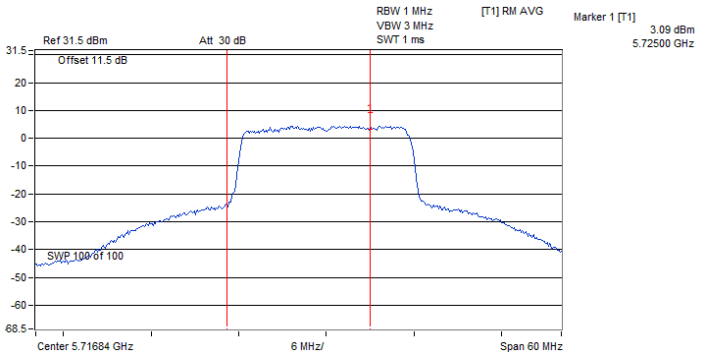
TX Channel Bandwidth 21.21 MHz Power 15.69 dBm

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



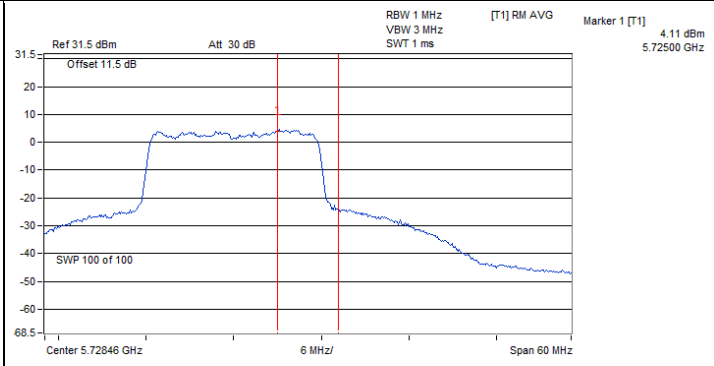
TX Channel Bandwidth 8.84 MHz Power 10.04 dBm

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



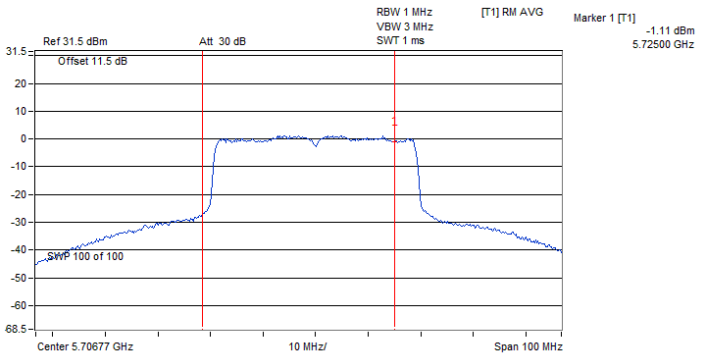
TX Channel Bandwidth 16.31 MHz Power 16.2 dBm

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



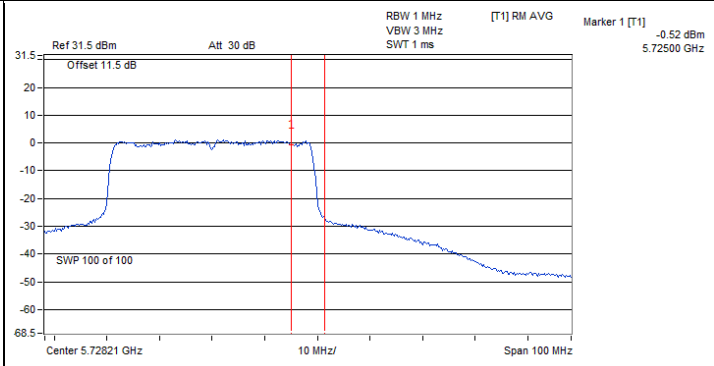
TX Channel Bandwidth 6.91 MHz Power 11.32 dBm

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



TX Channel Bandwidth 36.46 MHz Power 16.47 dBm

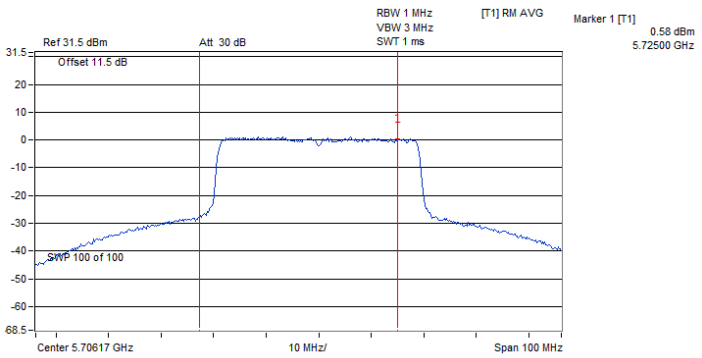
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



TX Channel Bandwidth 6.43 MHz Power 7.01 dBm

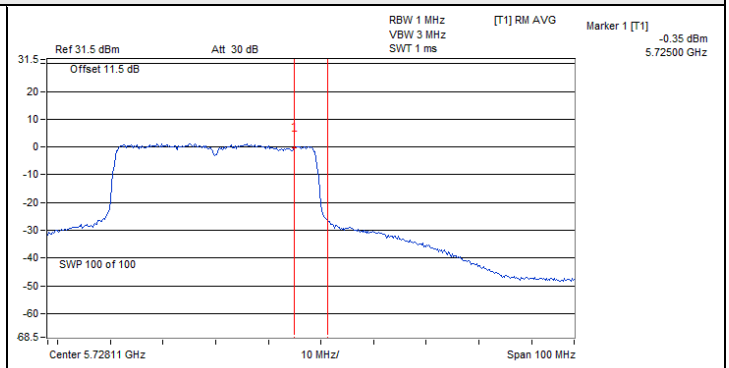
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



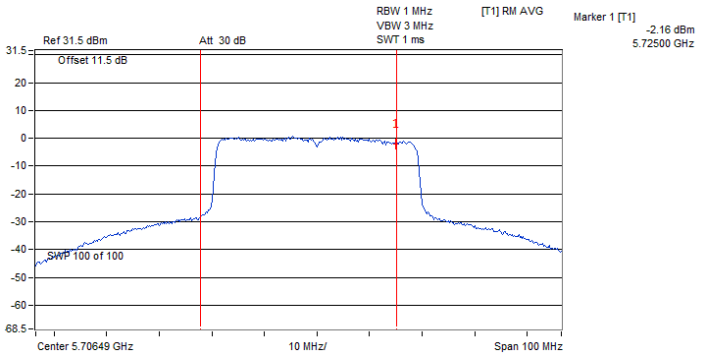
TX Channel Bandwidth 37.65 MHz Power 16.59 dBm

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



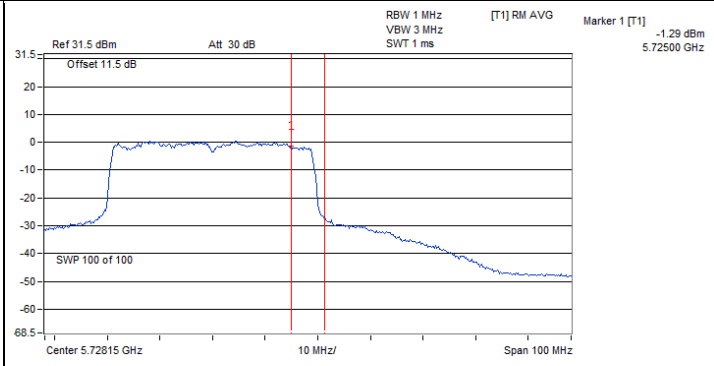
TX Channel Bandwidth 6.22 MHz Power 7.11 dBm

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



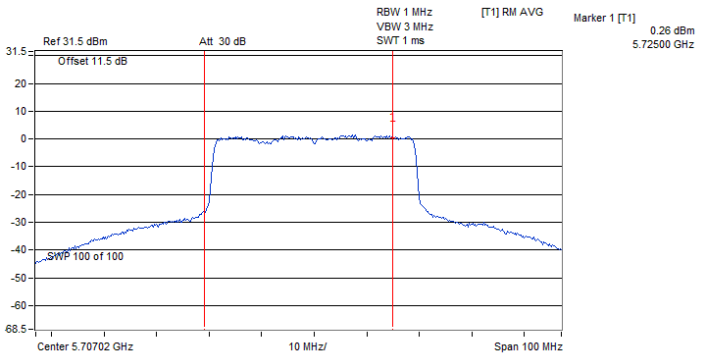
TX Channel Bandwidth 37.02 MHz Power 15.97 dBm

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



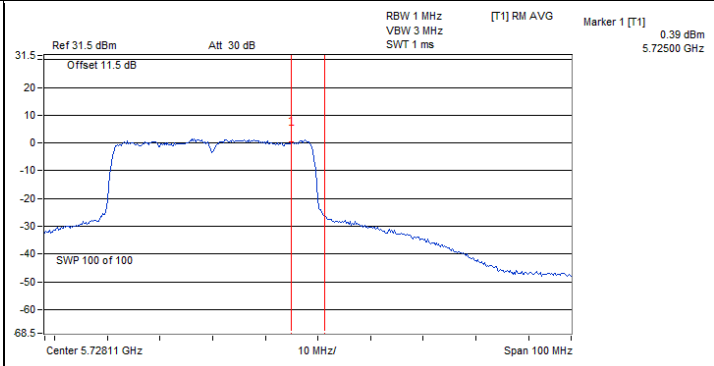
TX Channel Bandwidth 6.3 MHz Power 5.16 dBm

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



TX Channel Bandwidth 35.95 MHz Power 16.62 dBm

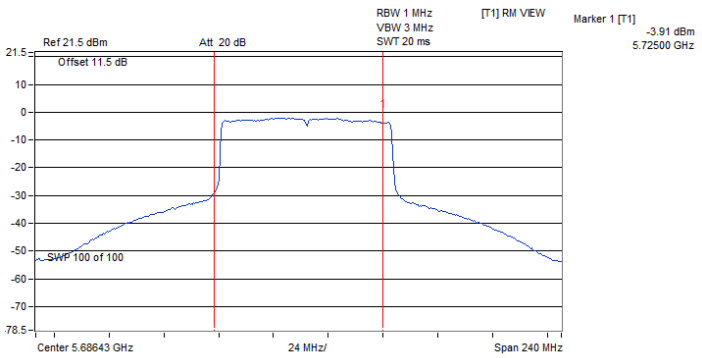
802.11be (EHT40) / Chain 3 : CH 142 (U-NII-2C)



TX Channel Bandwidth 6.23 MHz Power 7.61 dBm

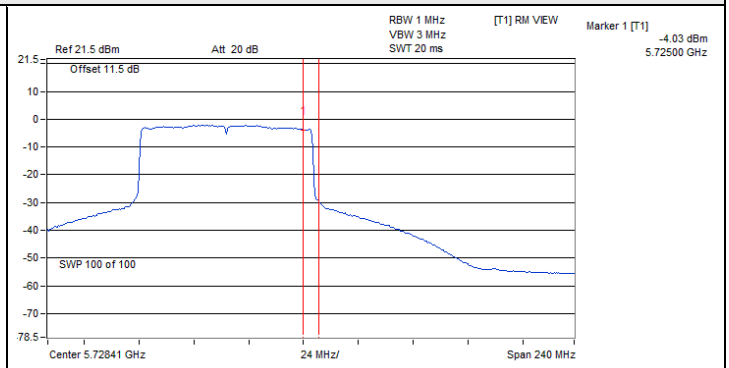
802.11be (EHT40) / Chain 3 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



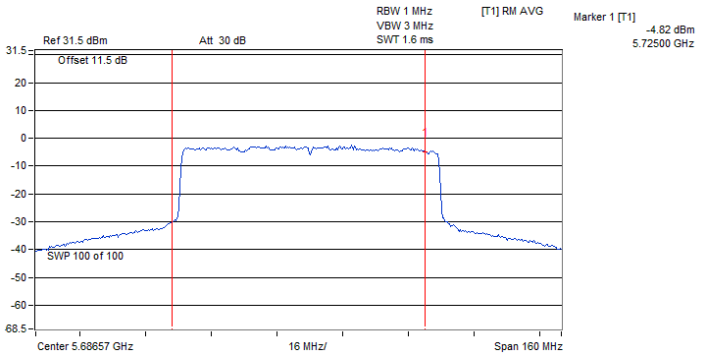
TX Channel Bandwidth 77.14 MHz Power 17.08 dBm

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



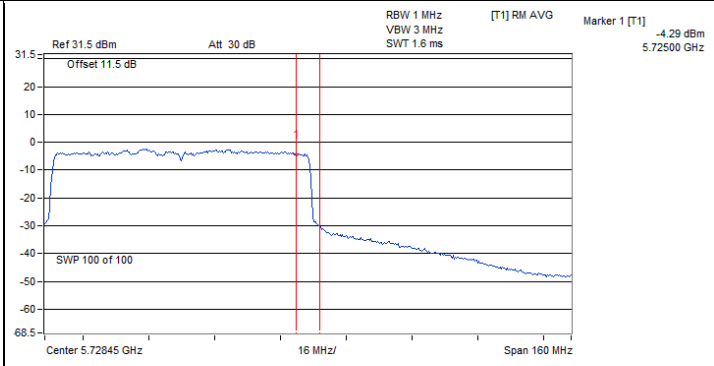
TX Channel Bandwidth 6.81 MHz Power 3.44 dBm

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



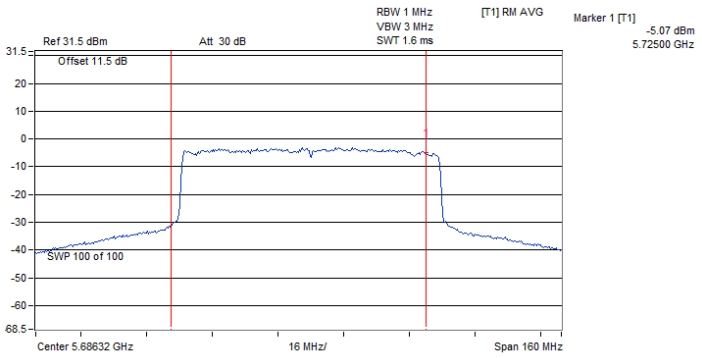
TX Channel Bandwidth 76.86 MHz Power 16.12 dBm

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



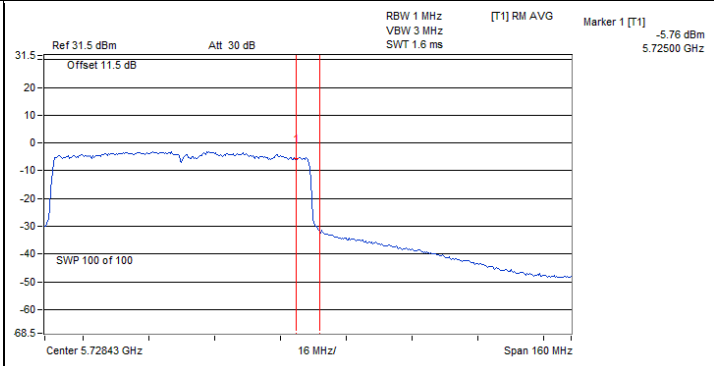
TX Channel Bandwidth 6.9 MHz Power 2.66 dBm

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



TX Channel Bandwidth 77.37 MHz Power 15.6 dBm

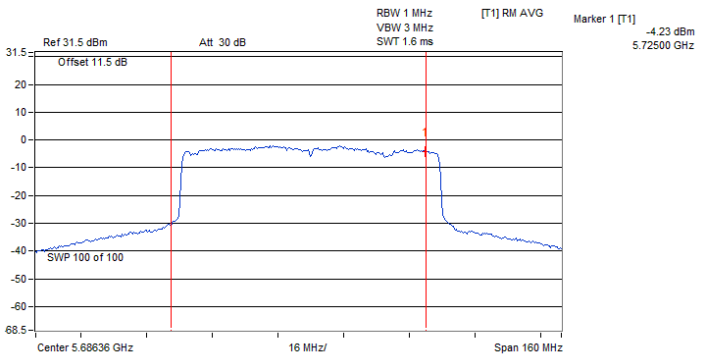
802.11be (EHT80) / Chain 2 : CH 138 (U-NII-2C)



TX Channel Bandwidth 6.87 MHz Power 1.64 dBm

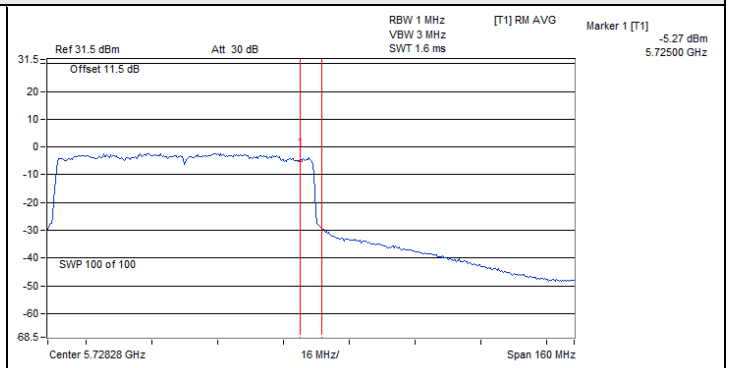
802.11be (EHT80) / Chain 2 : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



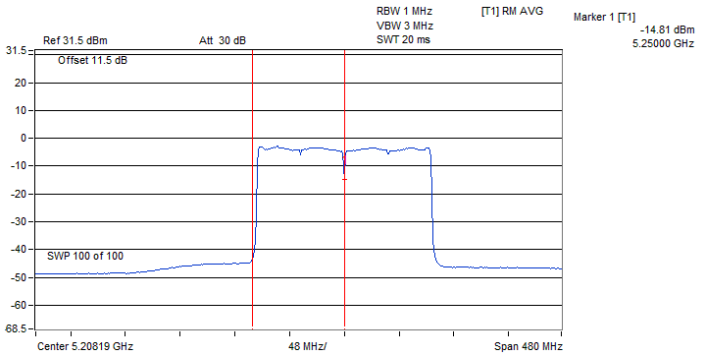
TX Channel Bandwidth 77.28 MHz Power 16.33 dBm

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



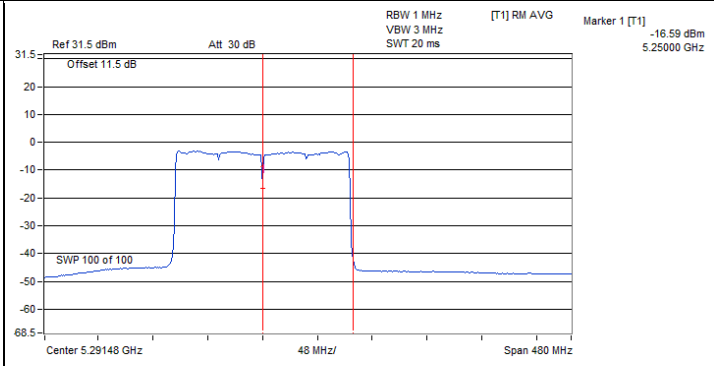
TX Channel Bandwidth 6.57 MHz Power 2.74 dBm

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



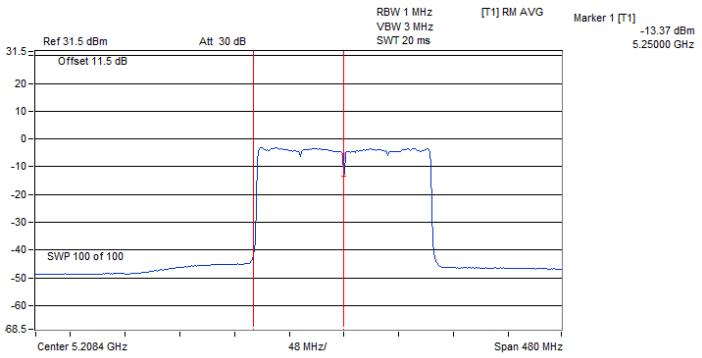
TX Channel Bandwidth 83.61 MHz Power 16.29 dBm

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



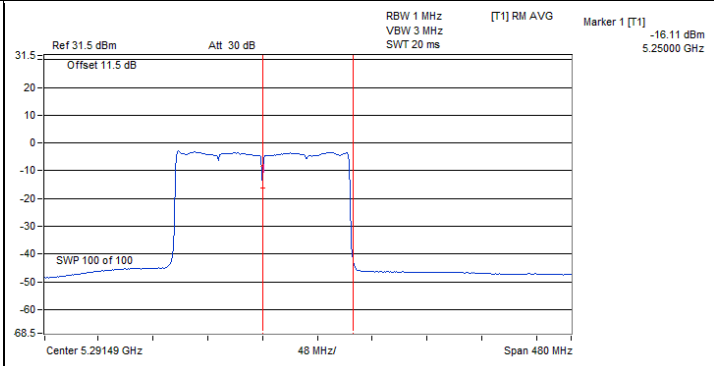
TX Channel Bandwidth 82.96 MHz Power 16.1 dBm

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



TX Channel Bandwidth 83.21 MHz Power 16.19 dBm

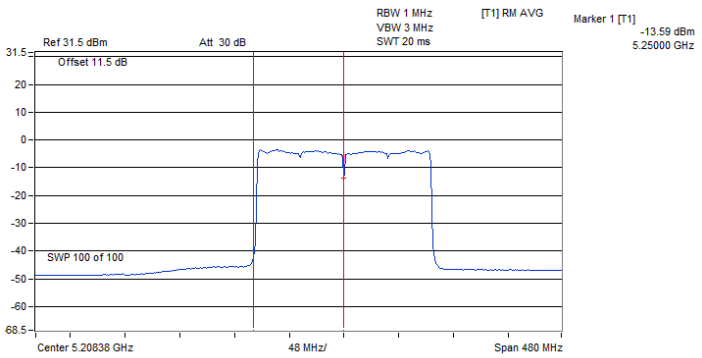
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)



TX Channel Bandwidth 82.97 MHz Power 16.03 dBm

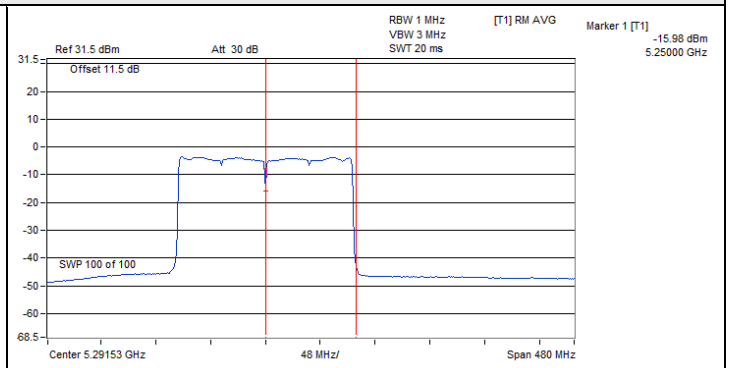
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



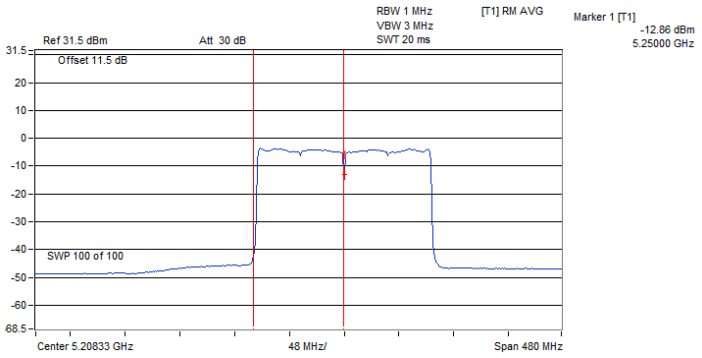
TX Channel Bandwidth 83.24 MHz Power 15.75 dBm

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



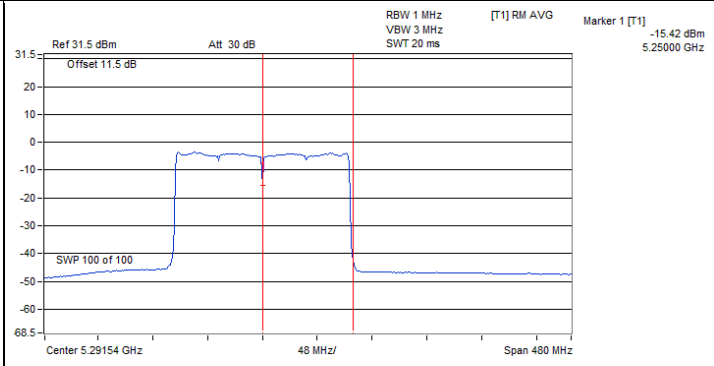
TX Channel Bandwidth 83.05 MHz Power 15.59 dBm

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



TX Channel Bandwidth 83.35 MHz Power 15.71 dBm

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



TX Channel Bandwidth 83.08 MHz Power 15.55 dBm

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

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang

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	9.47	9.64	9.60	9.63	15.61	16.96	Pass
40	5200	10.03	10.08	9.90	10.07	16.04	16.96	Pass
48	5240	9.78	10.07	9.84	10.30	16.02	16.96	Pass
52	5260	3.85	4.31	3.33	3.76	9.85	10.93	Pass
60	5300	3.93	4.14	3.72	3.40	9.83	10.93	Pass
64	5320	3.72	4.10	3.99	3.47	9.85	10.93	Pass
100	5500	3.89	4.03	3.65	4.04	9.93	10.81	Pass
116	5580	3.37	3.84	3.58	4.27	9.80	10.81	Pass
140	5700	3.76	4.02	4.04	4.15	10.02	10.81	Pass
144 (U-NII-2C)	5720	3.91	3.81	3.71	4.19	9.93	10.81	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 6.04 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.04-6) = 16.96 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.07-6) = 10.93 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.19-6) = 10.81 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	8.78	8.94	9.01	8.93	14.94	16.96	Pass
40	5200	9.52	9.77	9.60	9.84	15.70	16.96	Pass
48	5240	9.67	9.84	9.42	9.88	15.73	16.96	Pass
52	5260	3.70	4.09	3.55	3.60	9.76	10.93	Pass
60	5300	3.65	4.18	3.49	3.61	9.76	10.93	Pass
64	5320	3.59	4.04	3.84	3.35	9.73	10.93	Pass
100	5500	3.71	3.85	3.56	3.97	9.80	10.81	Pass
116	5580	3.33	3.79	3.60	4.14	9.75	10.81	Pass
140	5700	3.39	3.74	3.77	3.86	9.71	10.81	Pass
144 (U-NII-2C)	5720	3.33	3.59	3.47	3.97	9.62	10.81	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 6.04 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.04-6) = 16.96 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.07-6) = 10.93 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.19-6) = 10.81 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	4.01	4.35	4.07	4.21	10.18	16.96	Pass
46	5230	6.87	6.85	6.45	6.79	12.76	16.96	Pass
54	5270	0.74	1.11	0.56	0.70	6.80	10.93	Pass
62	5310	0.83	1.02	0.64	0.37	6.74	10.93	Pass
102	5510	0.70	0.99	-0.30	0.74	6.58	10.81	Pass
110	5550	0.57	0.68	0.17	0.91	6.61	10.81	Pass
134	5670	0.38	0.91	0.81	0.77	6.74	10.81	Pass
142 (U-NII-2C)	5710	0.58	0.86	0.43	0.52	6.62	10.81	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 6.04 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.04-6) = 16.96 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.07-6) = 10.93 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.19-6) = 10.81 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	1.03	1.64	0.97	0.96	7.18	16.96	Pass
58	5290	-2.33	-2.03	-2.44	-2.57	3.68	10.93	Pass
106	5530	-2.51	-1.75	-2.73	-2.44	3.68	10.81	Pass
122	5610	-2.25	-2.26	-3.13	-2.11	3.60	10.81	Pass
138 (U-NII-2C)	5690	-2.16	-2.45	-2.98	-2.07	3.62	10.81	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 6.04 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.04-6) = 16.96 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.07-6) = 10.93 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.19-6) = 10.81 dBm/MHz.

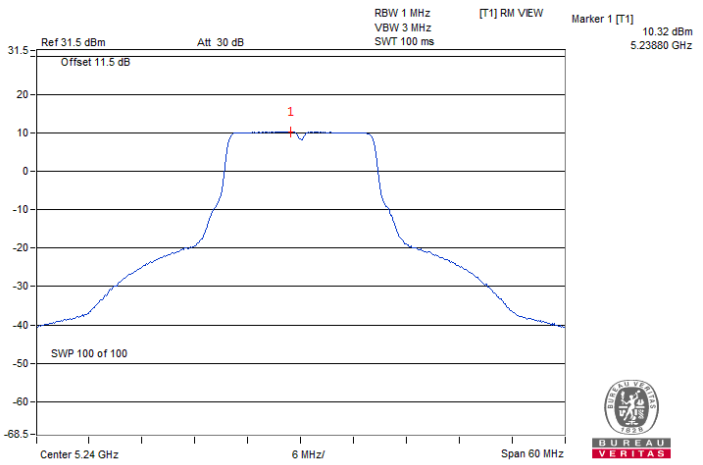
802.11be (EHT160)

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	-3.11	-3.26	-3.66	-3.60	2.62	16.96	Pass
50 (U-NII-2A)	5250	-3.53	-3.67	-3.90	-3.97	2.26	10.93	Pass
114	5570	-5.52	-4.86	-5.57	-5.67	0.63	10.81	Pass

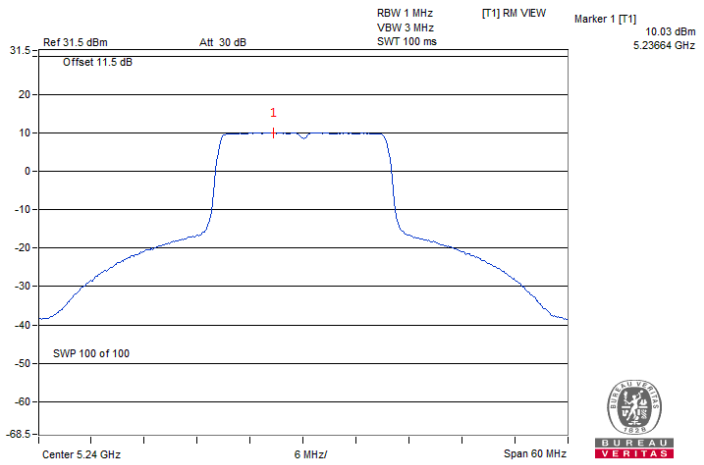
Notes:

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 6.04 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.04-6) = 16.96 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.07 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.07-6) = 10.93 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.19 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.19-6) = 10.81 dBm/MHz.

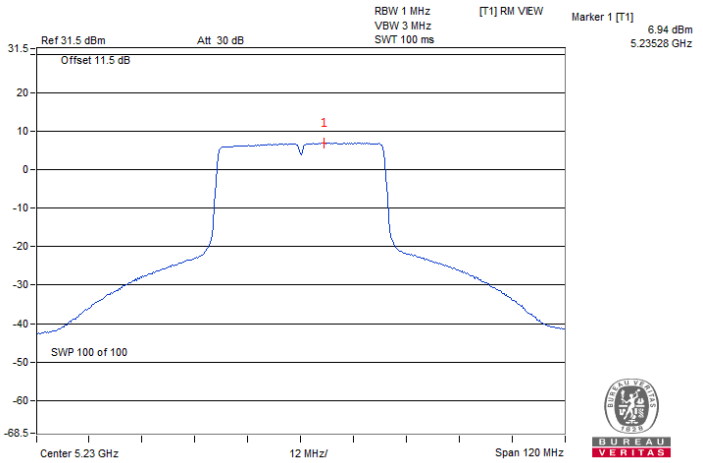
Spectrum Plot of Maximum Value



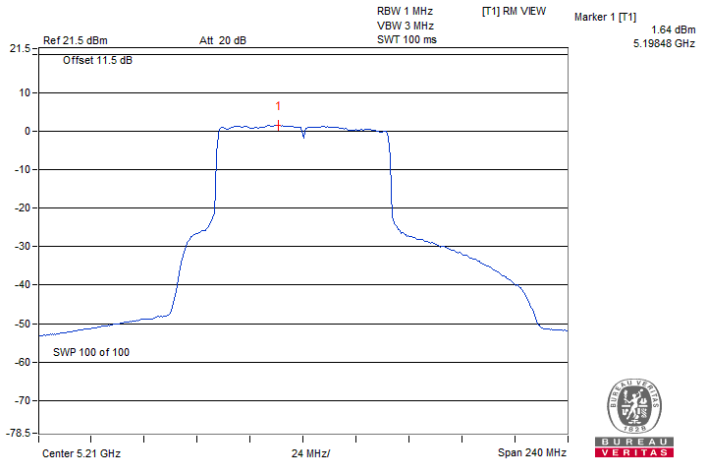
802.11a / Chain 3 : CH 48



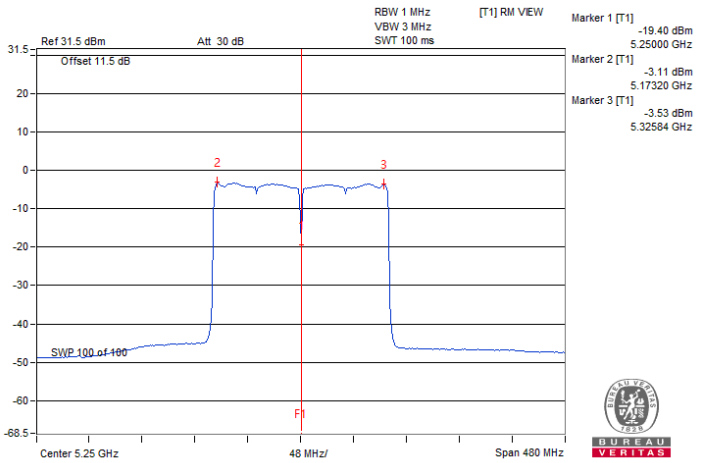
802.11be (EHT20) / Chain 3 : CH 48



802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT80) / Chain 1 : CH 42



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

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	-4.46	-4.73	-4.76	-4.49	1.41	3.63	29.68	Pass
149	5745	1.75	2.04	1.55	1.68	7.78	10.00	29.68	Pass
157	5785	1.58	1.94	1.50	1.52	7.66	9.88	29.68	Pass
165	5825	1.82	1.85	1.10	2.15	7.77	9.99	29.68	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 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.32-6) = 29.68 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	-5.99	-5.84	-6.12	-5.58	0.14	2.36	29.68	Pass
149	5745	0.10	0.12	0.08	0.10	6.12	8.34	29.68	Pass
157	5785	-0.04	0.39	-0.14	0.21	6.13	8.35	29.68	Pass
165	5825	0.34	0.27	-0.67	0.69	6.21	8.43	29.68	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 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.32-6) = 29.68 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	-8.73	-9.25	-9.56	-9.44	-3.21	-0.99	29.68	Pass
151	5755	-2.36	-2.16	-2.30	-2.31	3.74	5.96	29.68	Pass
159	5795	-2.43	-2.01	-2.14	-2.16	3.84	6.06	29.68	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 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.32-6) = 29.68 dBm/500kHz.

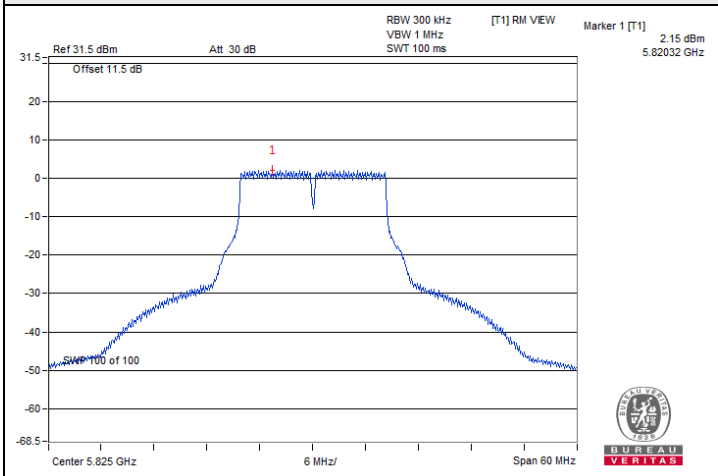
802.11be (EHT80)

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	-12.77	-13.02	-13.48	-12.63	-6.94	-4.72	29.68	Pass
155	5775	-6.68	-6.57	-6.35	-6.00	-0.37	1.85	29.68	Pass

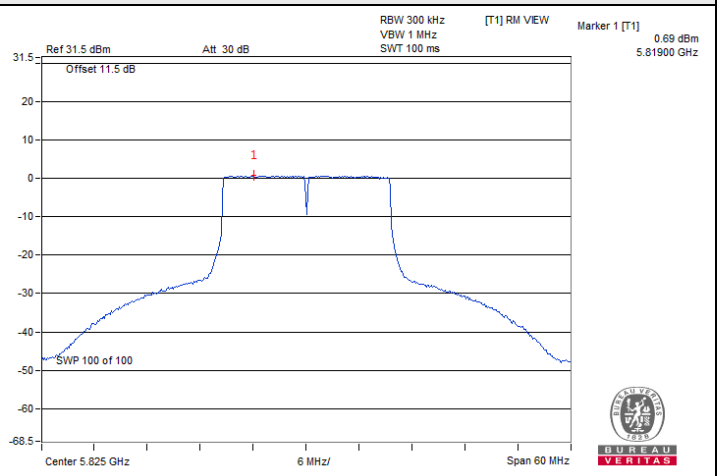
Notes:

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 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.32-6) = 29.68 dBm/500kHz.

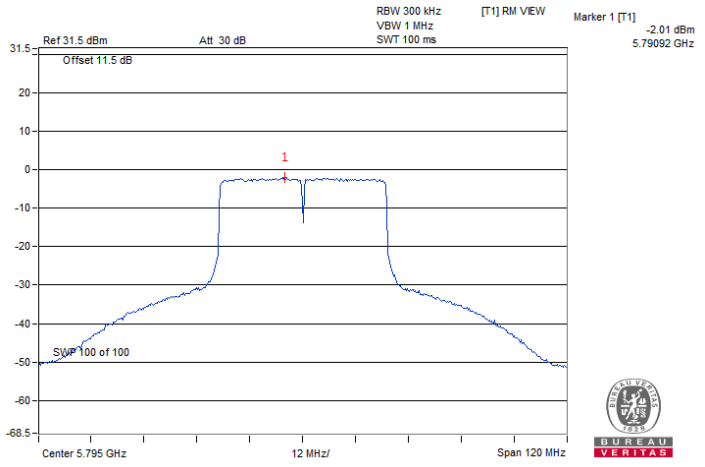
Spectrum Plot of Maximum Value



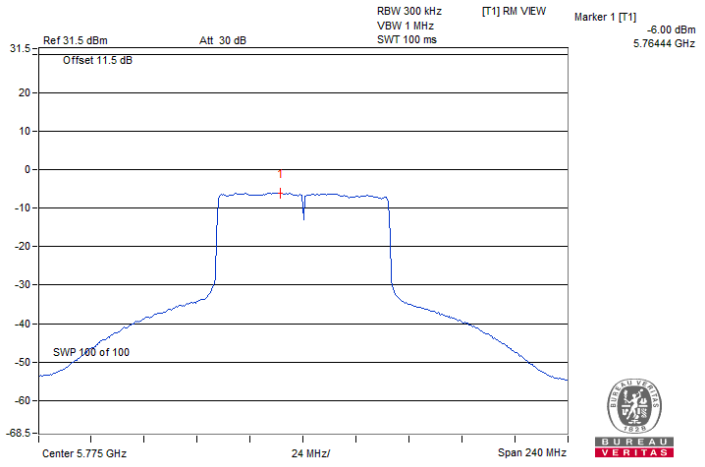
802.11a / Chain 3 : CH 165



802.11be (EHT20) / Chain 3 : CH 165



802.11be (EHT40) / Chain 1 : CH 159



802.11be (EHT80) / Chain 3 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang

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	3.23	3.24	3.22	3.22	0.5	Pass
149	5745	16.40	16.41	16.40	16.41	0.5	Pass
157	5785	16.42	16.35	16.37	16.36	0.5	Pass
165	5825	16.41	16.41	16.40	16.42	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	4.55	4.52	4.54	4.52	0.5	Pass
149	5745	19.08	19.03	19.01	19.02	0.5	Pass
157	5785	18.87	18.99	18.95	18.97	0.5	Pass
165	5825	19.04	19.01	19.03	19.02	0.5	Pass

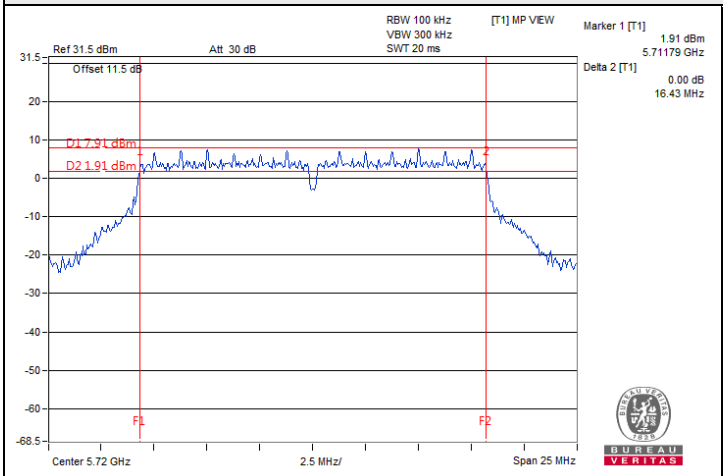
802.11be (EHT40)

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	4.05	4.03	3.97	3.91	0.5	Pass
151	5755	37.89	37.88	37.95	37.87	0.5	Pass
159	5795	38.10	38.00	37.76	37.17	0.5	Pass

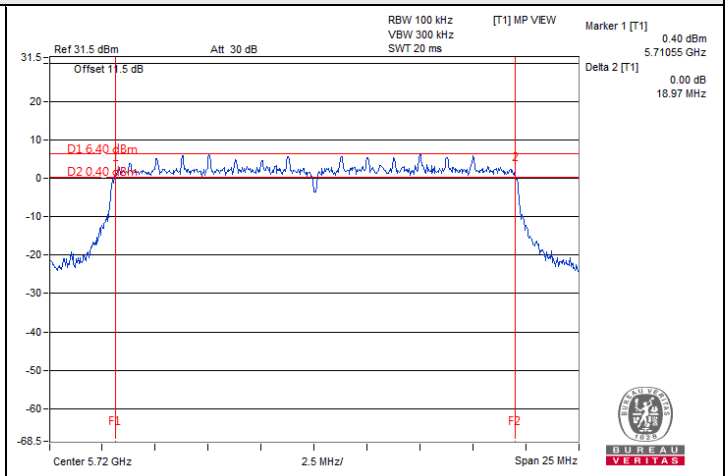
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
138 (U-NII-3)	5690	3.84	3.67	3.73	3.81	0.5	Pass
155	5775	77.73	77.29	77.59	77.70	0.5	Pass

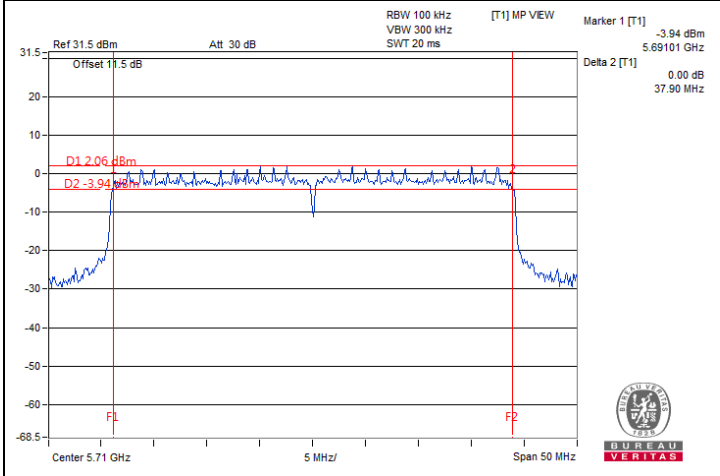
Spectrum Plot of Minimum Value



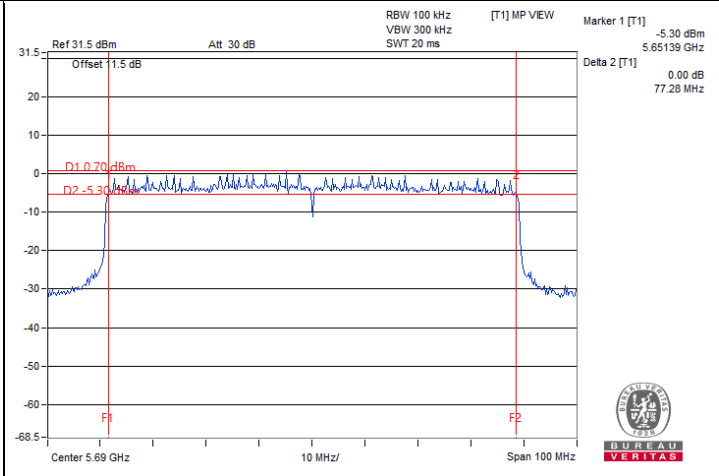
802.11a / Chain 2 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	17.28	17.40	17.40	17.40
40	5200	17.52	17.52	17.52	17.40
48	5240	17.28	17.40	17.40	17.40
52	5260	17.52	17.40	17.52	17.64
60	5300	17.52	17.52	17.40	17.52
64	5320	17.64	17.52	17.40	17.52
100	5500	17.64	17.52	17.40	17.52
116	5580	17.52	17.40	17.52	17.40
140	5700	17.28	17.04	17.04	17.04
144 (U-NII-2C)	5720	13.76	13.88	13.76	13.76
144 (U-NII-3)	5720	3.64	3.64	3.64	3.64
149	5745	17.48	17.39	17.40	17.40
157	5785	17.52	17.57	17.40	17.31
165	5825	17.28	17.40	17.65	17.31

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.39	19.30	19.30	19.39
40	5200	19.30	19.39	19.39	19.30
48	5240	19.30	19.39	19.48	19.22
52	5260	19.30	19.39	19.39	19.30
60	5300	19.30	19.39	19.30	19.30
64	5320	19.30	19.39	19.30	19.30
100	5500	19.39	19.30	19.39	19.30
116	5580	19.30	19.30	19.30	19.39
140	5700	19.22	19.22	19.22	19.22
144 (U-NII-2C)	5720	14.72	14.72	14.72	14.60
144 (U-NII-3)	5720	4.60	4.60	4.72	4.60
149	5745	19.30	19.22	19.30	19.30
157	5785	19.30	19.39	19.30	19.30
165	5825	19.31	19.30	19.39	19.30

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	39.12	38.40	38.40	38.64
46	5230	39.36	39.36	39.12	38.40
54	5270	39.12	38.40	39.12	39.12
62	5310	39.12	39.36	39.12	39.12
102	5510	39.36	39.12	39.36	39.36
110	5550	38.96	39.13	39.30	39.13
134	5670	39.12	39.36	39.12	39.36
142 (U-NII-2C)	5710	34.20	34.20	34.20	34.20
142 (U-NII-3)	5710	3.96	3.96	3.96	3.96
151	5755	38.26	38.26	38.26	38.26
159	5795	38.09	38.43	38.26	38.26

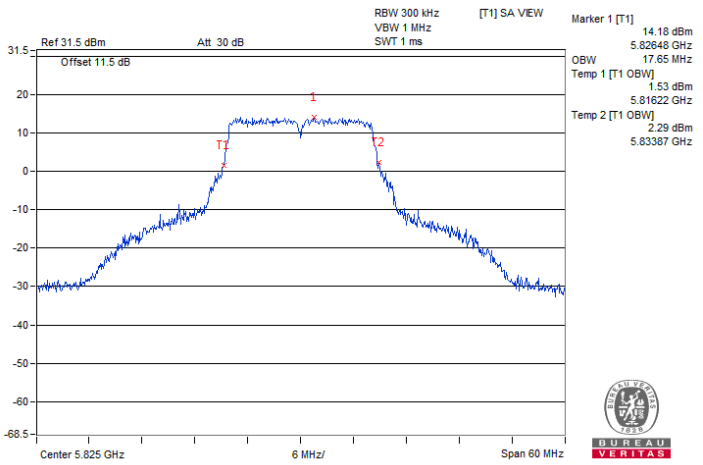
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	78.72	78.72	78.72	77.31
58	5290	78.72	78.72	77.31	77.31
106	5530	78.95	78.60	77.70	77.31
122	5610	79.20	79.20	77.31	77.31
138 (U-NII-2C)	5690	73.64	73.88	73.88	73.88
138 (U-NII-3)	5690	3.64	3.40	3.40	3.88
155	5775	77.57	77.31	77.31	77.69

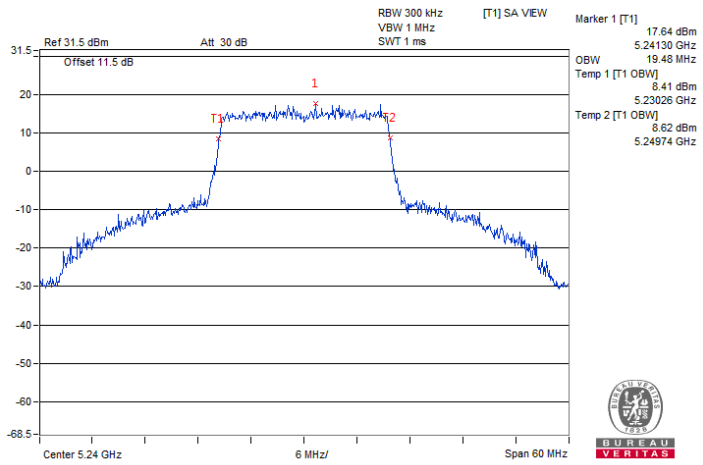
802.11be (EHT160)

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	78.72
50 (U-NII-2A)	5250	78.72	78.72	77.76	77.76
114	5570	156.48	157.44	156.48	157.44

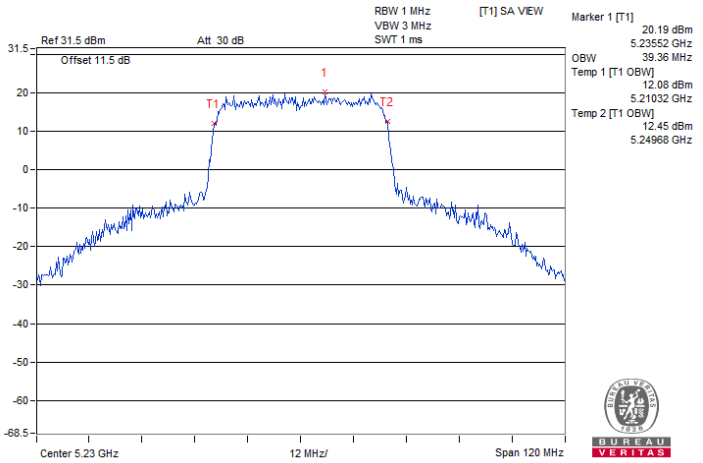
Spectrum Plot of Maximum Value



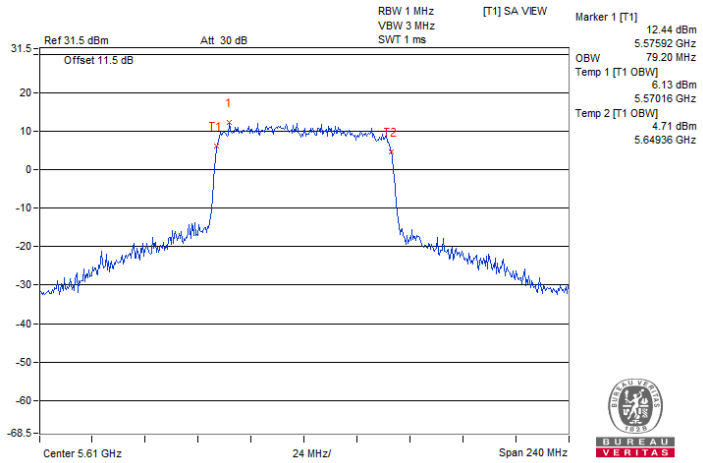
802.11a / Chain 2 : CH 165



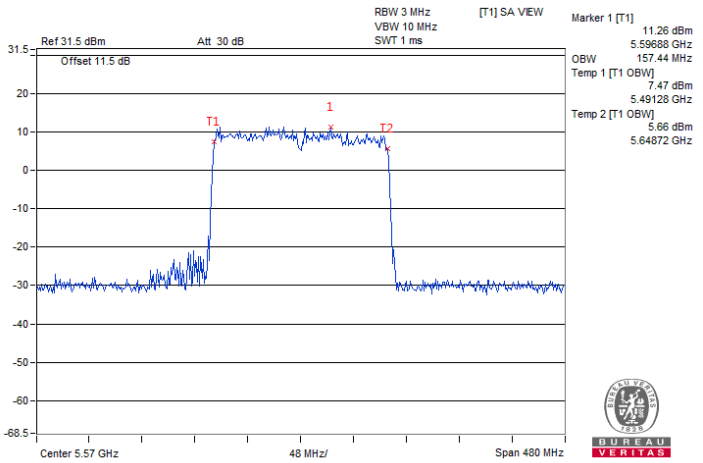
802.11be (EHT20) / Chain 2 : CH 48



802.11be (EHT40) / Chain 0 : CH 46



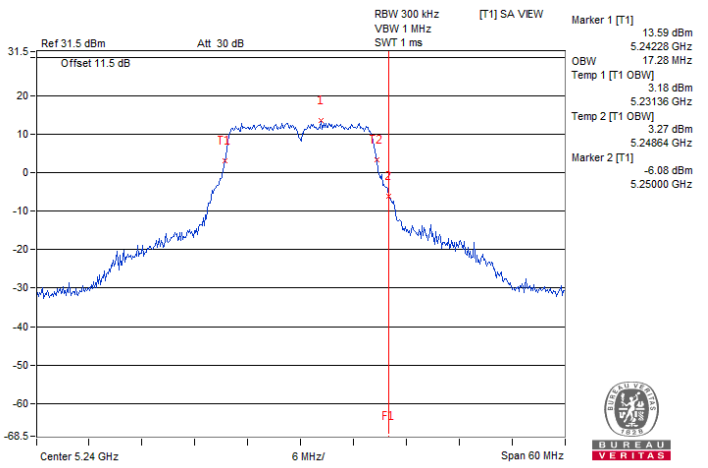
802.11be (EHT80) / Chain 0 : CH 122



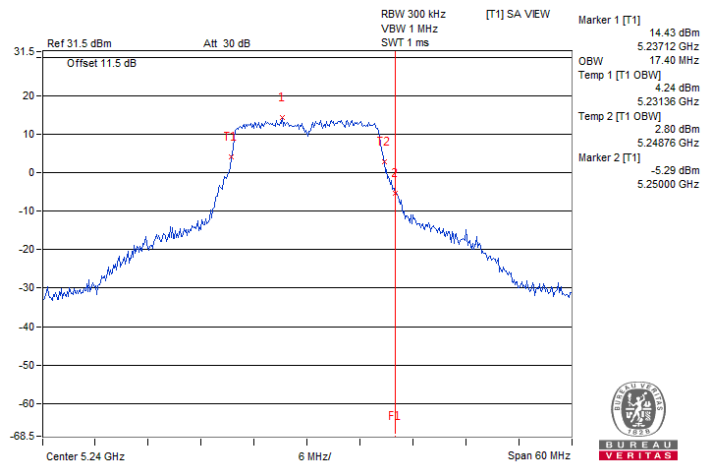
802.11be (EHT160) / Chain 1 : CH 114

Spectrum Plot for nearby DFS band

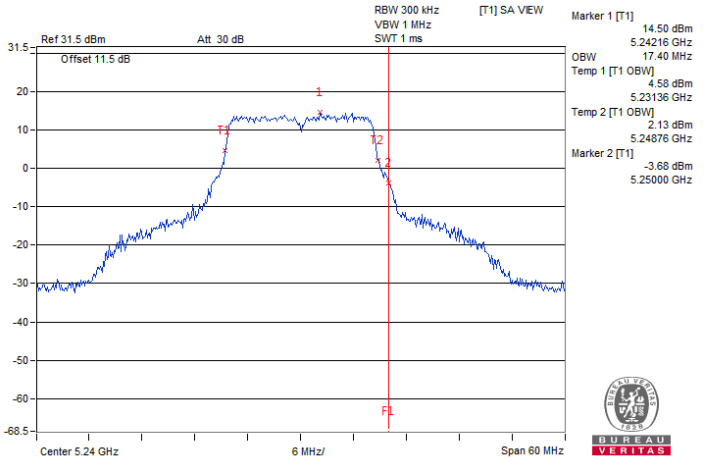
(DFS is required, if 99% OCP straddle into U-NII-2A)



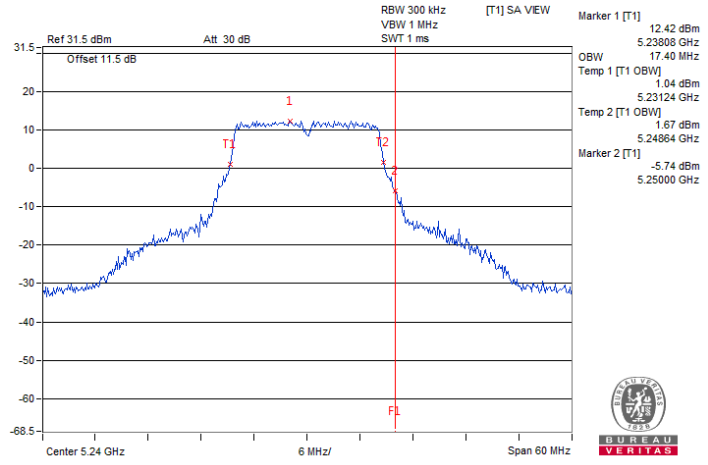
802.11a / Chain 0 : CH 48



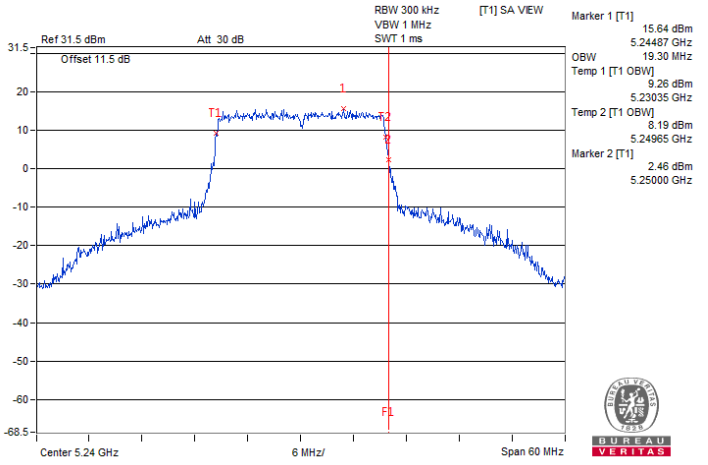
802.11a / Chain 1 : CH 48



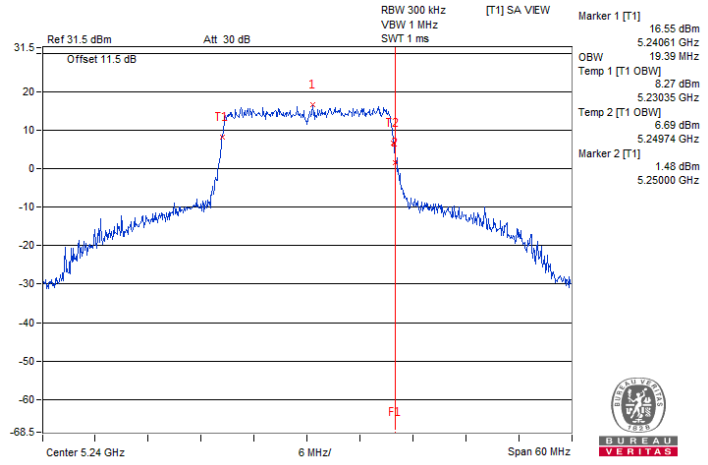
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48



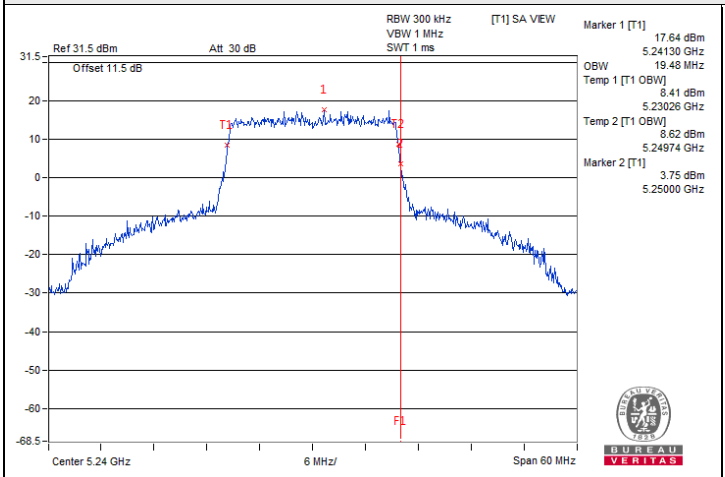
802.11be (EHT20) / Chain 0 : CH 48



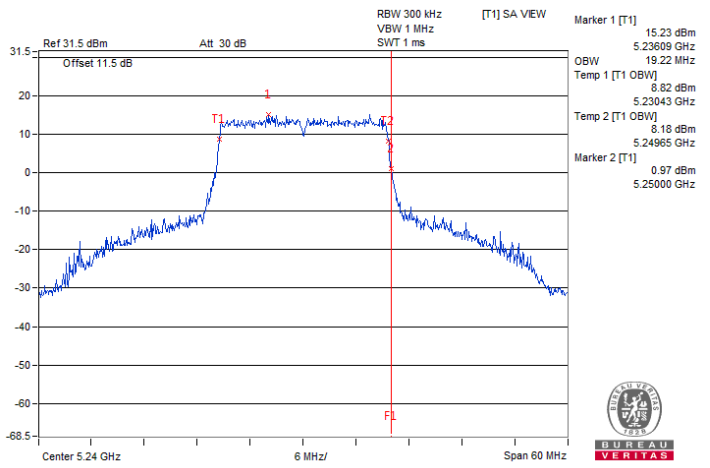
802.11be (EHT20) / Chain 1 : CH 48

Spectrum Plot for nearby DFS band

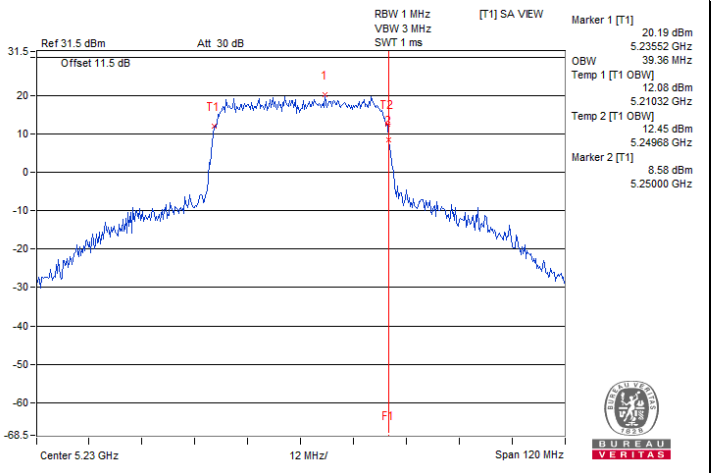
(DFS is required, if 99% OCP straddle into U-NII-2A)



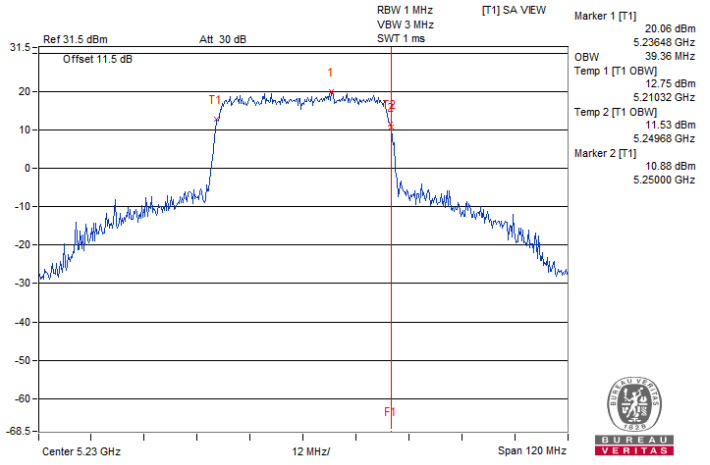
802.11be (EHT20) / Chain 2 : CH 48



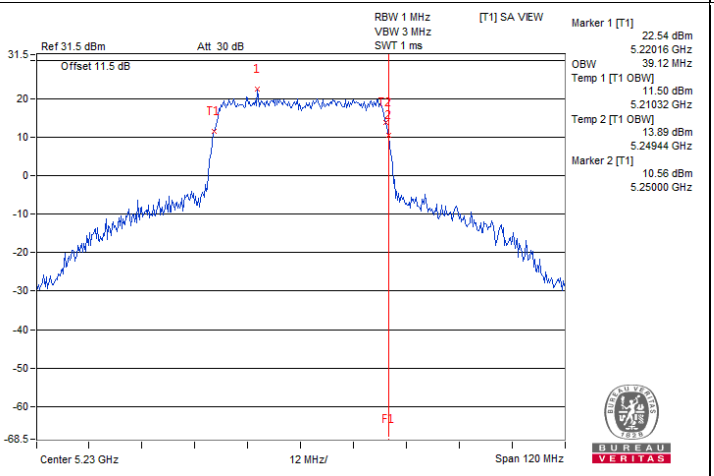
802.11be (EHT20) / Chain 3 : CH 48



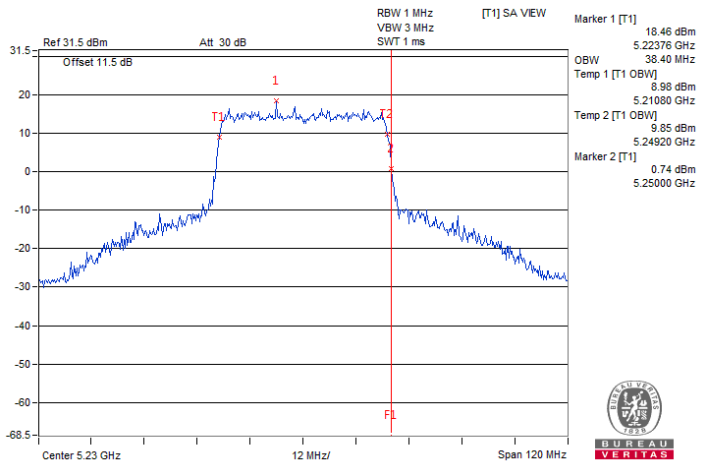
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT40) / Chain 1 : CH 46



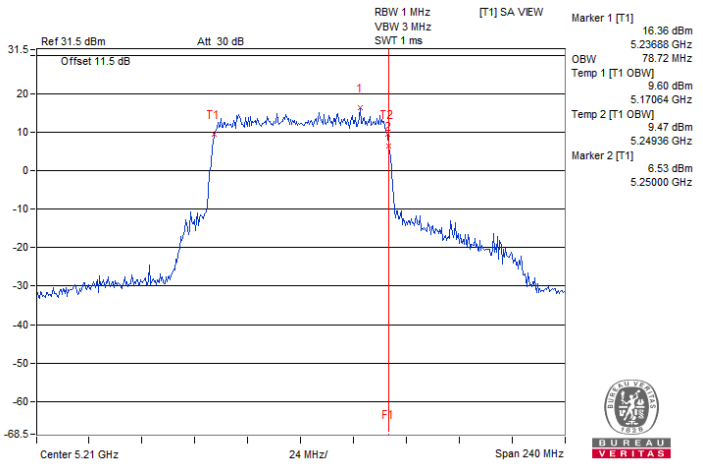
802.11be (EHT40) / Chain 2 : CH 46



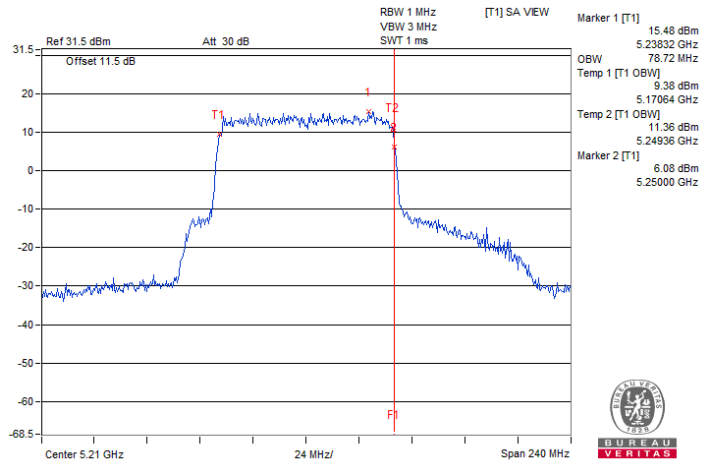
802.11be (EHT40) / Chain 3 : CH 46

Spectrum Plot for nearby DFS band

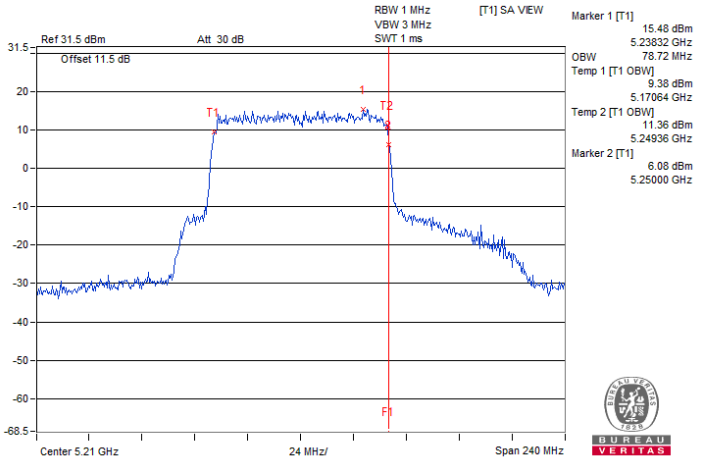
(DFS is required, if 99% OCP straddle into U-NII-2A)



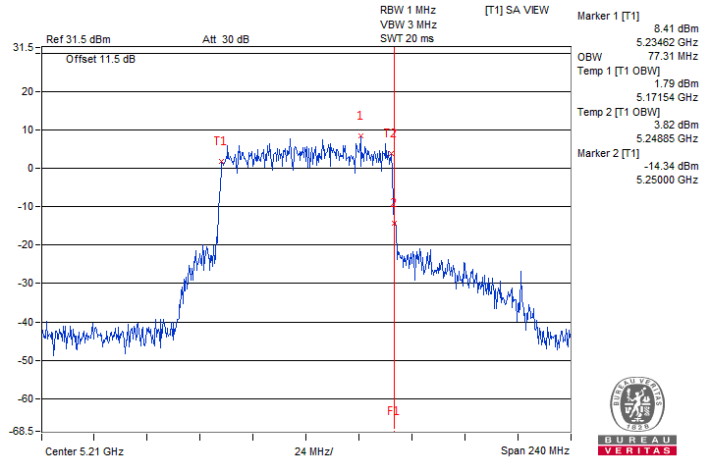
802.11be (EHT80) / Chain 0 : CH 42



802.11be (EHT80) / Chain 1 : CH 42



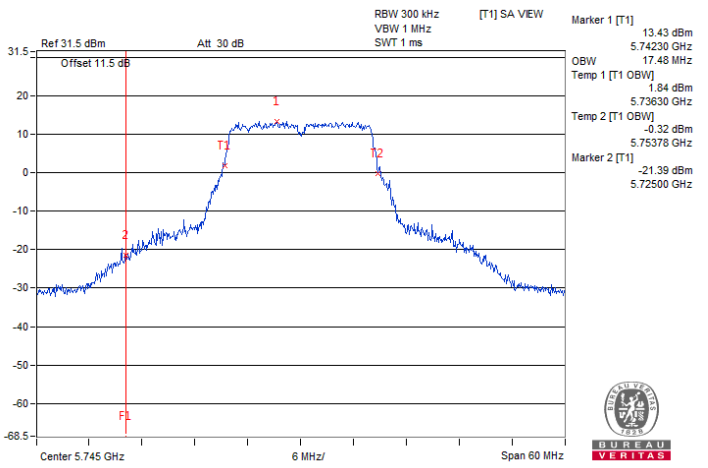
802.11be (EHT80) / Chain 2 : CH 42



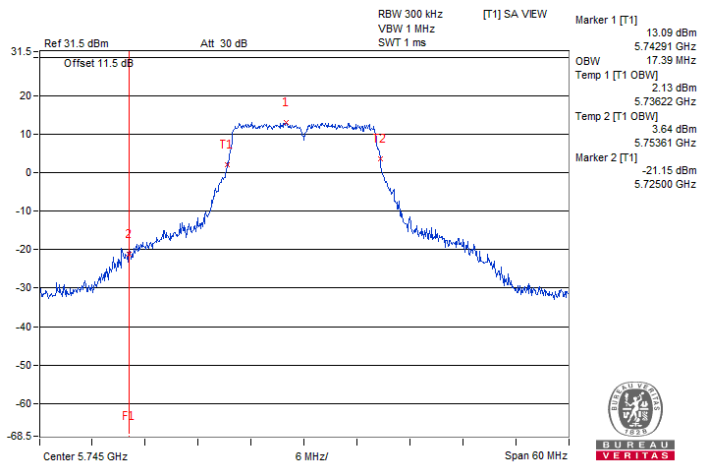
802.11be (EHT80) / Chain 3 : CH 42

Spectrum Plot for nearby DFS band

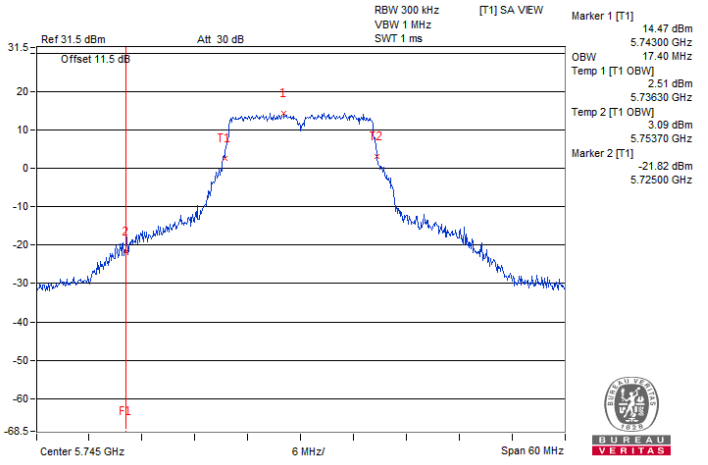
(DFS is required, if 99% OCP straddle into U-NII-2C)



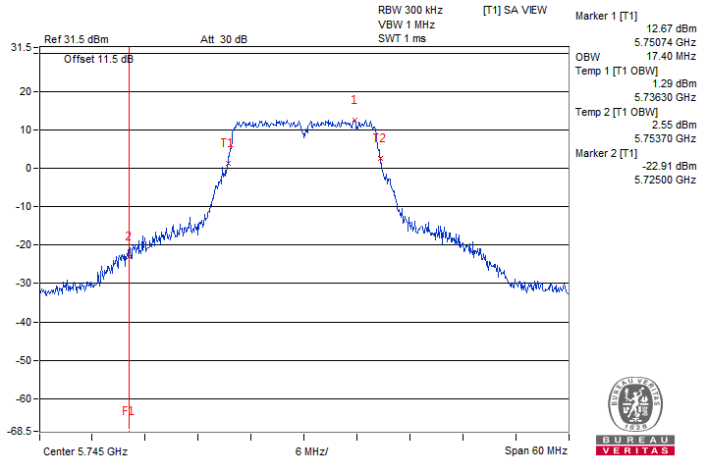
802.11a / Chain 0 : CH 149



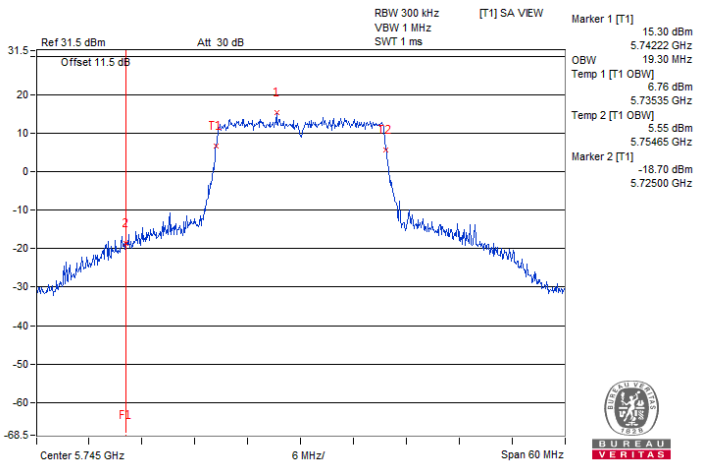
802.11a / Chain 1 : CH 149



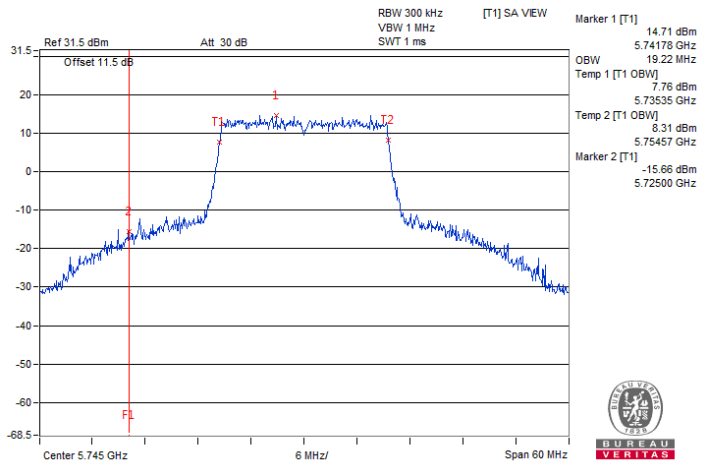
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149



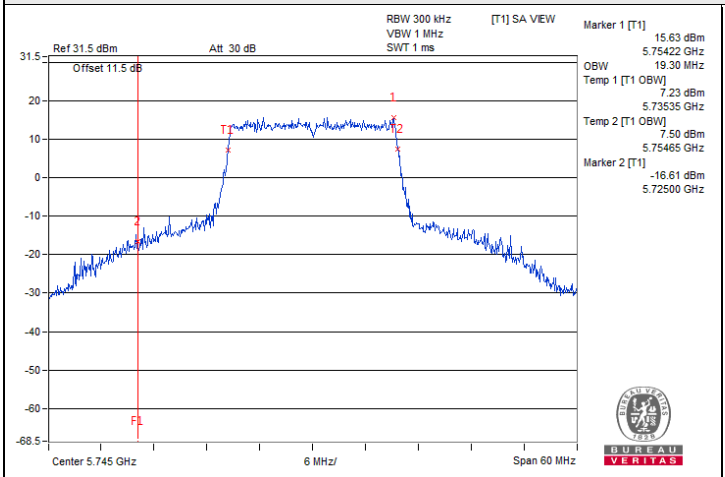
802.11be (EHT20) / Chain 0 : CH 149



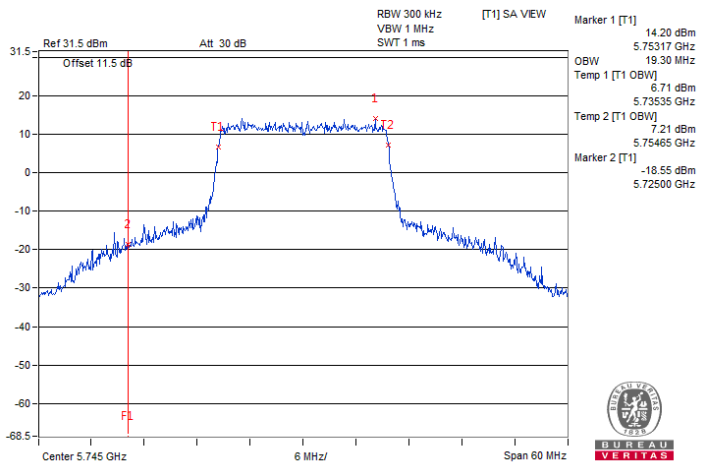
802.11be (EHT20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

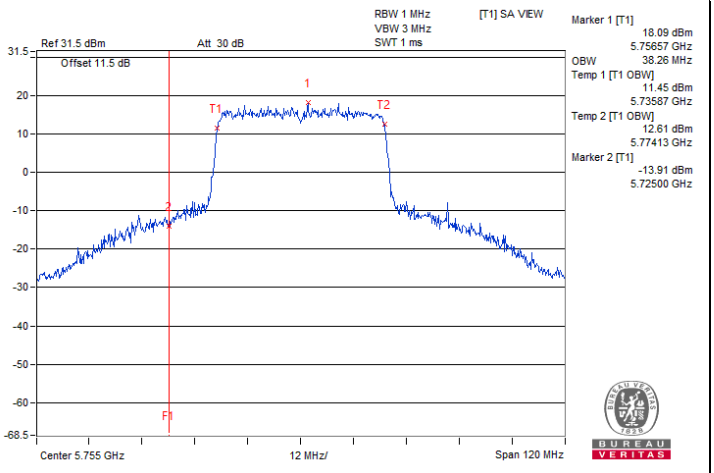
(DFS is required, if 99% OCP straddle into U-NII-2C)



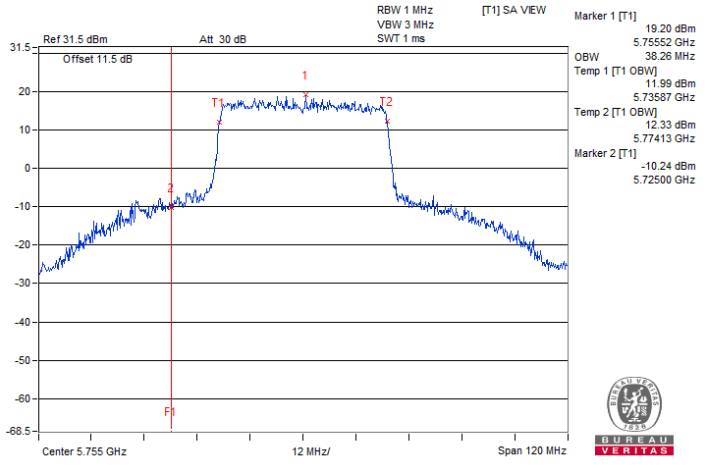
802.11be (EHT20) / Chain 2 : CH 149



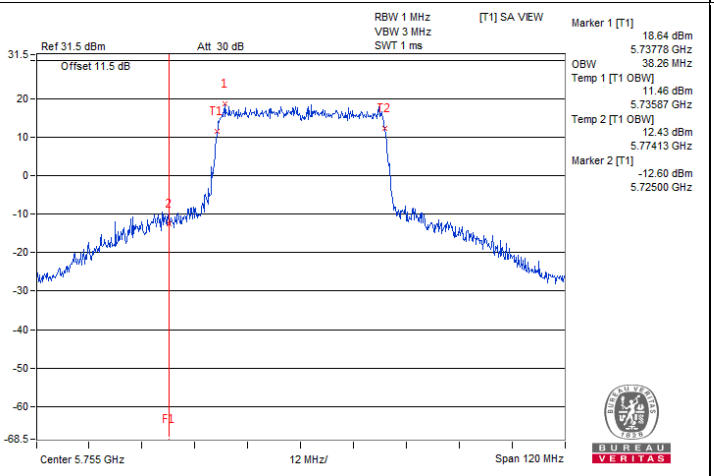
802.11be (EHT20) / Chain 3 : CH 149



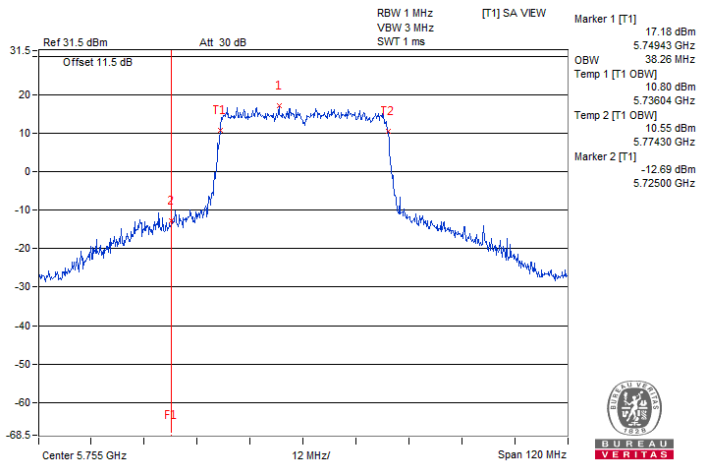
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151



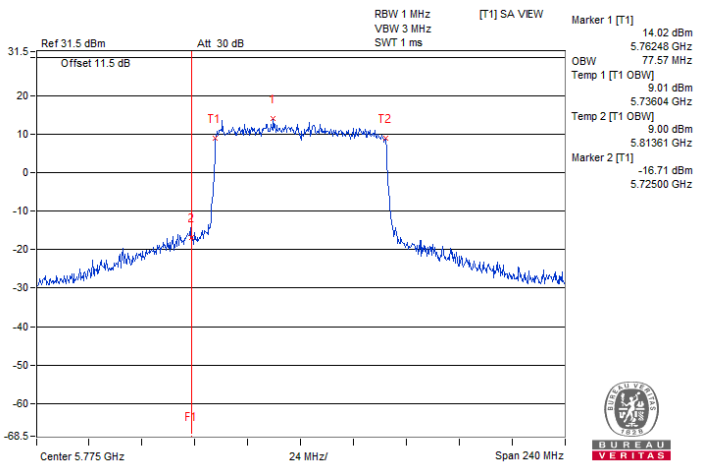
802.11be (EHT40) / Chain 2 : CH 151



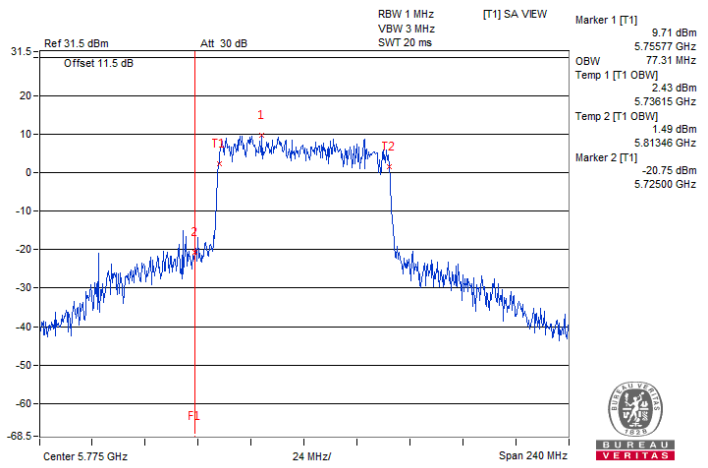
802.11be (EHT40) / Chain 3 : CH 151

Spectrum Plot for nearby DFS band

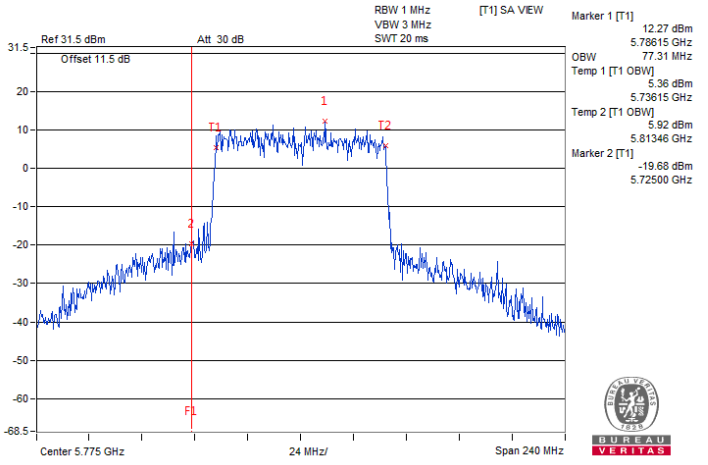
(DFS is required, if 99% OCP straddle into U-NII-2C)



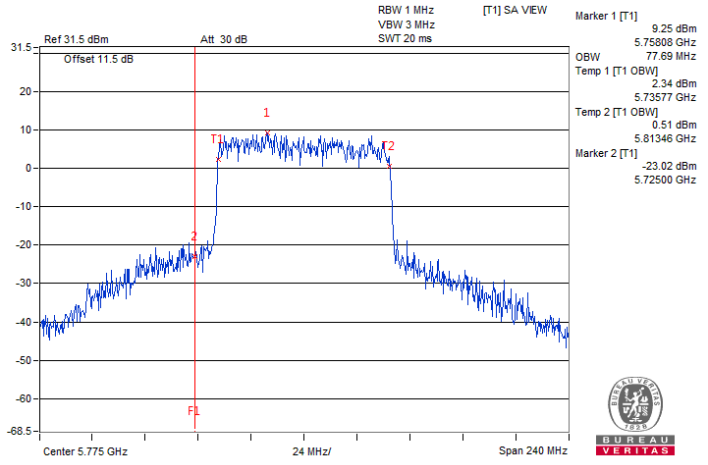
802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155



802.11be (EHT80) / Chain 2 : CH 155



802.11be (EHT80) / Chain 3 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	5180.0053	Pass	5180.0042	Pass	5180.0062	Pass	5180.0052	Pass
30	120	5179.9917	Pass	5179.9927	Pass	5179.991	Pass	5179.991	Pass
20	120	5179.9874	Pass	5179.9857	Pass	5179.9827	Pass	5179.984	Pass
10	120	5180.0016	Pass	5180.0033	Pass	5180.0019	Pass	5180.0023	Pass
0	120	5180.0184	Pass	5180.0181	Pass	5180.0175	Pass	5180.0194	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9909	Pass	5179.993	Pass	5179.9903	Pass	5179.9909	Pass
	120	5179.9874	Pass	5179.9857	Pass	5179.9827	Pass	5179.984	Pass
	102	5179.9786	Pass	5179.9789	Pass	5179.9804	Pass	5179.9773	Pass

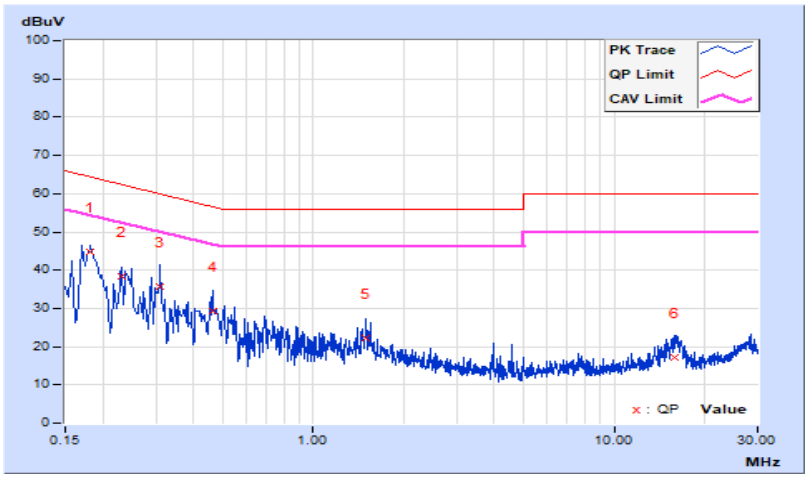
7.7 AC Power Conducted Emissions

RF Mode	802.11be (EHT40)	**Channel**	CH 159：5795 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, 67 % RH
Tested By	Adair Peng		

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	**0.18200**	**9.72**	**35.15**	**26.13**	**44.87**	**35.85**	**64.39**	**54.39**	**-19.52**	**-18.54**
2	0.23000	9.74	28.74	16.80	38.48	26.54	62.45	52.45	-23.97	-25.91
3	0.31000	9.78	25.99	14.58	35.77	24.36	59.97	49.97	-24.20	-25.61
4	0.46200	9.84	19.60	11.05	29.44	20.89	56.66	46.66	-27.22	-25.77
5	1.49000	9.92	12.21	3.79	22.13	13.71	56.00	46.00	-33.87	-32.29
6	15.85800	10.29	6.75	2.66	17.04	12.95	60.00	50.00	-42.96	-37.05

Remarks:

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

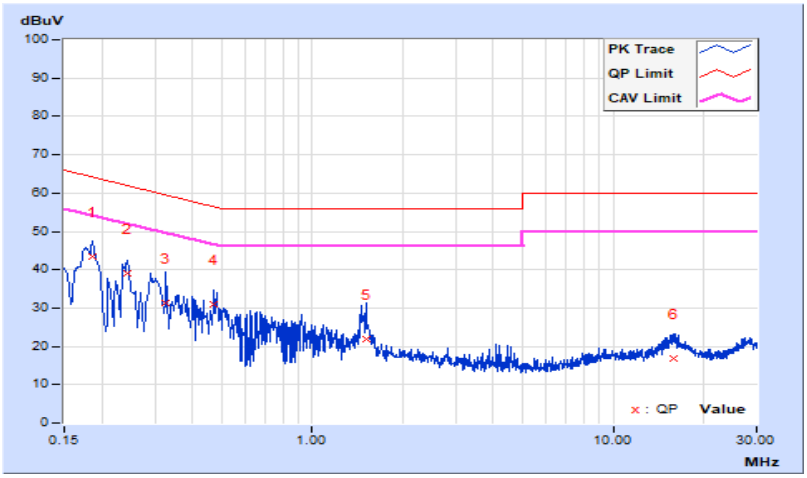


RF Mode	802.11be (EHT40)	Channel	CH 159：5795 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Adair Peng		

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	0.18600	9.70	33.73	24.46	43.43	34.16	64.21	54.21	-20.78	-20.05
2	0.24200	9.74	29.38	18.27	39.12	28.01	62.03	52.03	-22.91	-24.02
3	0.32600	9.81	21.42	8.36	31.23	18.17	59.55	49.55	-28.32	-31.38
4	0.47000	9.88	21.11	10.80	30.99	20.68	56.51	46.51	-25.52	-25.83
5	1.51400	9.95	11.88	4.43	21.83	14.38	56.00	46.00	-34.17	-31.62
6	15.83000	10.41	6.58	1.42	16.99	11.83	60.00	50.00	-43.01	-38.17

Remarks:

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



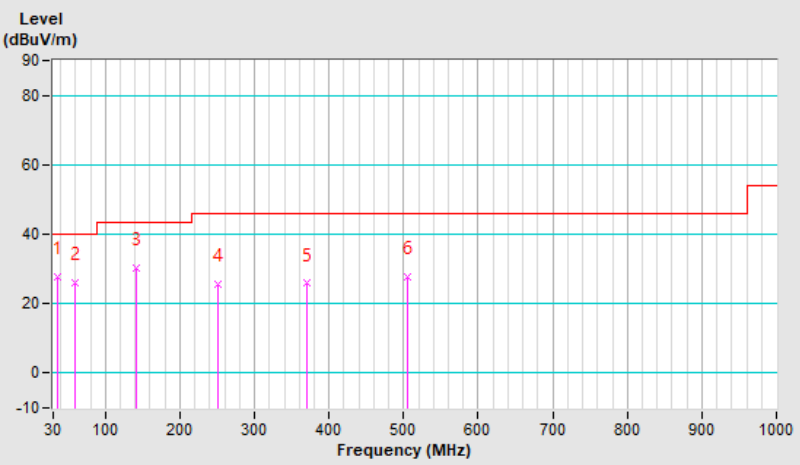
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11be (EHT40)	**Channel**	CH 159：5795 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	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	35.82	27.6 QP	40.0	-12.4	1.00 H	156	37.5	-9.9
2	60.07	25.9 QP	40.0	-14.1	1.00 H	146	35.0	-9.1
3	141.55	30.4 QP	43.5	-13.1	1.50 H	256	39.5	-9.1
4	250.19	25.7 QP	46.0	-20.3	1.00 H	256	34.9	-9.2
5	369.50	25.8 QP	46.0	-20.2	1.00 H	278	31.9	-6.1
6	505.30	27.6 QP	46.0	-18.4	1.50 H	354	31.2	-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.

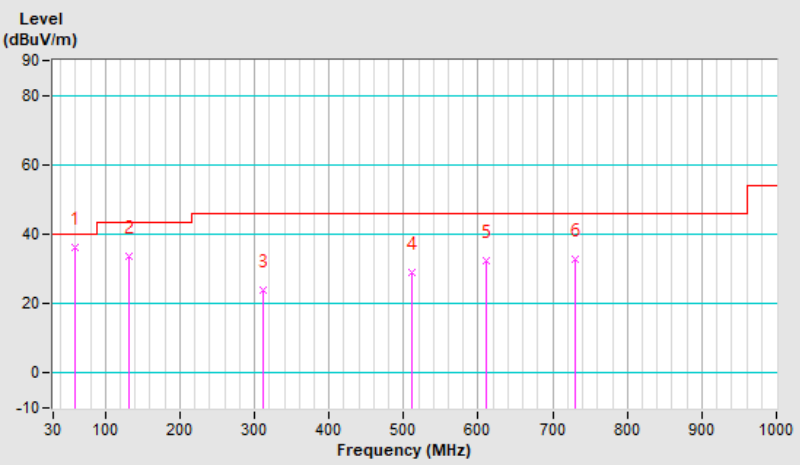


RF Mode	802.11be (EHT40)	**Channel**	CH 159：5795 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	**60.07**	**36.3 QP**	**40.0**	**-3.7**	**1.00 V**	**309**	**45.4**	**-9.1**
2	130.88	33.8 QP	43.5	-9.7	1.00 V	98	43.7	-9.9
3	312.27	24.0 QP	46.0	-22.0	1.00 V	104	31.1	-7.1
4	511.12	28.9 QP	46.0	-17.1	1.50 V	258	32.4	-3.5
5	610.06	32.4 QP	46.0	-13.6	1.50 V	127	33.3	-0.9
6	730.34	32.7 QP	46.0	-13.3	1.00 V	254	31.6	1.1

Remarks:

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



7.9 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	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	65.1 PK	74.0	-8.9	1.30 H	229	52.0	13.1
2	5150.00	51.0 AV	54.0	-3.0	1.30 H	229	37.9	13.1
3	*5180.00	118.7 PK			1.30 H	229	75.3	43.4
4	*5180.00	109.0 AV			1.30 H	229	65.6	43.4
5	#10360.00	60.2 PK	68.2	-8.0	1.92 H	228	38.5	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	5150.00	72.1 PK	74.0	-1.9	1.97 V	234	59.0	13.1
2	5150.00	52.6 AV	54.0	-1.4	1.97 V	234	39.5	13.1
3	*5180.00	123.8 PK			1.97 V	234	80.4	43.4
4	*5180.00	114.1 AV			1.97 V	234	70.7	43.4
5	#10360.00	60.4 PK	68.2	-7.8	2.35 V	197	38.7	21.7

Remarks:

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

RF Mode	802.11a	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	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	119.0 PK			1.36 H	230	75.7	43.3
2	*5200.00	109.5 AV			1.36 H	230	66.2	43.3
3	#10400.00	60.4 PK	68.2	-7.8	1.89 H	225	38.6	21.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	124.5 PK			1.20 V	210	81.2	43.3
2	*5200.00	115.3 AV			1.20 V	210	72.0	43.3
3	#10400.00	61.0 PK	68.2	-7.2	2.32 V	192	39.2	21.8

Remarks:

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

RF Mode	802.11a	Channel	CH 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	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	119.5 PK			1.28 H	230	76.3	43.2
2	*5240.00	110.1 AV			1.28 H	230	66.9	43.2
3	5350.00	60.6 PK	74.0	-13.4	1.28 H	230	47.5	13.1
4	5350.00	47.7 AV	54.0	-6.3	1.28 H	230	34.6	13.1
5	#10480.00	60.5 PK	68.2	-7.7	1.92 H	231	38.5	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	*5240.00	125.1 PK			1.06 V	228	81.9	43.2
2	*5240.00	115.7 AV			1.06 V	228	72.5	43.2
3	5350.00	61.1 PK	74.0	-12.9	1.06 V	228	48.0	13.1
4	5350.00	48.0 AV	54.0	-6.0	1.06 V	228	34.9	13.1
5	#10480.00	60.8 PK	68.2	-7.4	2.35 V	189	38.8	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	802.11a	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	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	60.3 PK	74.0	-13.7	1.20 H	230	47.2	13.1
2	5150.00	47.1 AV	54.0	-6.9	1.20 H	230	34.0	13.1
3	*5260.00	113.9 PK			1.20 H	230	70.6	43.3
4	*5260.00	103.7 AV			1.20 H	230	60.4	43.3
5	#10520.00	60.5 PK	68.2	-7.7	1.99 H	220	38.5	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	5150.00	60.4 PK	74.0	-13.6	2.59 V	100	47.3	13.1
2	5150.00	47.3 AV	54.0	-6.7	2.59 V	100	34.2	13.1
3	*5260.00	120.3 PK			2.59 V	100	77.0	43.3
4	*5260.00	110.5 AV			2.59 V	100	67.2	43.3
5	#10520.00	60.7 PK	68.2	-7.5	2.21 V	193	38.7	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	802.11a	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	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	112.6 PK			1.18 H	229	69.3	43.3
2	*5300.00	103.0 AV			1.18 H	229	59.7	43.3
3	10600.00	60.6 PK	74.0	-13.4	1.95 H	225	38.5	22.1
4	10600.00	47.3 AV	54.0	-6.7	1.95 H	225	25.2	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	*5300.00	120.6 PK			2.43 V	100	77.3	43.3
2	*5300.00	110.7 AV			2.43 V	100	67.4	43.3
3	10600.00	60.8 PK	74.0	-13.2	2.23 V	195	38.7	22.1
4	10600.00	47.5 AV	54.0	-6.5	2.23 V	195	25.4	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	802.11a	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	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	112.9 PK			1.04 H	231	69.4	43.5
2	*5320.00	103.3 AV			1.04 H	231	59.8	43.5
3	5350.00	60.6 PK	74.0	-13.4	1.04 H	231	47.5	13.1
4	5350.00	47.6 AV	54.0	-6.4	1.04 H	231	34.5	13.1
5	10640.00	60.9 PK	74.0	-13.1	1.86 H	229	38.4	22.5
6	10640.00	47.6 AV	54.0	-6.4	1.86 H	229	25.1	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	120.8 PK			2.49 V	101	77.3	43.5
2	*5320.00	110.8 AV			2.49 V	101	67.3	43.5
3	5350.00	63.3 PK	74.0	-10.7	2.49 V	101	50.2	13.1
4	5350.00	48.5 AV	54.0	-5.5	2.49 V	101	35.4	13.1
5	10640.00	61.0 PK	74.0	-13.0	2.25 V	189	38.5	22.5
6	10640.00	47.7 AV	54.0	-6.3	2.25 V	189	25.2	22.5

Remarks:

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

RF Mode	802.11a	Channel	CH 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	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	62.6 PK	74.0	-11.4	1.78 H	217	49.4	13.2
2	5460.00	48.5 AV	54.0	-5.5	1.78 H	217	35.3	13.2
3	#5470.00	63.2 PK	68.2	-5.0	1.78 H	217	49.9	13.3
4	*5500.00	113.7 PK			1.78 H	217	69.8	43.9
5	*5500.00	104.5 AV			1.78 H	217	60.6	43.9
6	11000.00	60.8 PK	74.0	-13.2	1.82 H	214	38.1	22.7
7	11000.00	47.7 AV	54.0	-6.3	1.82 H	214	25.0	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	62.9 PK	74.0	-11.1	1.60 V	308	49.7	13.2
2	5460.00	48.8 AV	54.0	-5.2	1.60 V	308	35.6	13.2
3	#5470.00	63.4 PK	68.2	-4.8	1.60 V	308	50.1	13.3
4	*5500.00	120.1 PK			1.60 V	308	76.2	43.9
5	*5500.00	110.7 AV			1.60 V	308	66.8	43.9
6	11000.00	61.5 PK	74.0	-12.5	2.20 V	199	38.8	22.7
7	11000.00	48.3 AV	54.0	-5.7	2.20 V	199	25.6	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	802.11a	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		

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	114.0 PK			1.80 H	215	70.2	43.8
2	*5580.00	104.1 AV			1.80 H	215	60.3	43.8
3	11160.00	60.6 PK	74.0	-13.4	1.82 H	233	37.8	22.8
4	11160.00	47.3 AV	54.0	-6.7	1.82 H	233	24.5	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	*5580.00	120.6 PK			2.16 V	101	76.8	43.8
2	*5580.00	110.6 AV			2.16 V	101	66.8	43.8
3	11160.00	60.9 PK	74.0	-13.1	2.22 V	189	38.1	22.8
4	11160.00	47.7 AV	54.0	-6.3	2.22 V	189	24.9	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.

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		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.0 PK			1.80 H	211	67.7	44.3
2	*5700.00	102.6 AV			1.80 H	211	58.3	44.3
3	#5725.00	61.5 PK	68.2	-6.7	1.80 H	211	47.8	13.7
4	11400.00	61.2 PK	74.0	-12.8	1.99 H	217	37.6	23.6
5	11400.00	48.1 AV	54.0	-5.9	1.99 H	217	24.5	23.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	118.1 PK			2.10 V	326	73.8	44.3
2	*5700.00	108.7 AV			2.10 V	326	64.4	44.3
3	#5725.00	65.2 PK	68.2	-3.0	2.10 V	326	51.5	13.7
4	11400.00	61.7 PK	74.0	-12.3	2.19 V	180	38.1	23.6
5	11400.00	48.6 AV	54.0	-5.4	2.19 V	180	25.0	23.6

Remarks:

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

RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.6 PK	68.2	-6.6	1.81 H	215	48.3	13.3
2	*5720.00	113.5 PK			1.81 H	215	69.1	44.4
3	*5720.00	103.9 AV			1.81 H	215	59.5	44.4
4	#5850.00	61.4 PK	68.2	-6.8	1.81 H	215	47.6	13.8
5	11440.00	61.6 PK	74.0	-12.4	1.92 H	233	38.1	23.5
6	11440.00	48.6 AV	54.0	-5.4	1.92 H	233	25.1	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.9 PK	68.2	-6.3	2.29 V	120	48.6	13.3
2	*5720.00	119.7 PK			2.29 V	120	75.3	44.4
3	*5720.00	110.1 AV			2.29 V	120	65.7	44.4
4	#5850.00	61.8 PK	68.2	-6.4	2.29 V	120	48.0	13.8
5	11440.00	61.8 PK	74.0	-12.2	2.13 V	192	38.3	23.5
6	11440.00	48.8 AV	54.0	-5.2	2.13 V	192	25.3	23.5

Remarks:

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

RF Mode	802.11a	Channel	CH 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		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	61.5 PK	68.2	-6.7	1.47 H	245	48.1	13.4
2	*5745.00	120.0 PK			1.47 H	245	75.4	44.6
3	*5745.00	110.2 AV			1.47 H	245	65.6	44.6
4	#5960.80	61.5 PK	68.2	-6.7	1.47 H	245	47.5	14.0
5	11490.00	62.2 PK	74.0	-11.8	1.92 H	225	38.8	23.4
6	11490.00	49.5 AV	54.0	-4.5	1.92 H	225	26.1	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	#5647.60	61.3 PK	68.2	-6.9	1.47 V	302	47.9	13.4
2	*5745.00	125.1 PK			1.47 V	302	80.5	44.6
3	*5745.00	114.9 AV			1.47 V	302	70.3	44.6
4	#5987.60	61.7 PK	68.2	-6.5	1.47 V	302	47.6	14.1
5	11490.00	62.4 PK	74.0	-11.6	2.35 V	182	39.0	23.4
6	11490.00	49.8 AV	54.0	-4.2	2.35 V	182	26.4	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.

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		

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	#5611.20	62.0 PK	68.2	-6.2	1.47 H	246	48.8	13.2
2	*5785.00	118.8 PK			1.47 H	246	74.1	44.7
3	*5785.00	109.4 AV			1.47 H	246	64.7	44.7
4	#5975.60	62.1 PK	68.2	-6.1	1.47 H	246	48.1	14.0
5	11570.00	61.7 PK	74.0	-12.3	1.97 H	226	38.6	23.1
6	11570.00	49.2 AV	54.0	-4.8	1.97 H	226	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	#5619.60	61.4 PK	68.2	-6.8	1.22 V	300	48.2	13.2
2	*5785.00	124.4 PK			1.22 V	300	79.7	44.7
3	*5785.00	114.8 AV			1.22 V	300	70.1	44.7
4	#5928.80	62.2 PK	68.2	-6.0	1.22 V	300	48.2	14.0
5	11570.00	62.0 PK	74.0	-12.0	2.36 V	185	38.9	23.1
6	11570.00	49.5 AV	54.0	-4.5	2.36 V	185	26.4	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	802.11a	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		

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	#5638.40	60.6 PK	68.2	-7.6	1.49 H	247	47.3	13.3
2	*5825.00	118.8 PK			1.49 H	247	74.1	44.7
3	*5825.00	109.2 AV			1.49 H	247	64.5	44.7
4	#5935.60	62.4 PK	68.2	-5.8	1.49 H	247	48.4	14.0
5	11570.00	61.6 PK	74.0	-12.4	1.92 H	233	38.5	23.1
6	11570.00	49.3 AV	54.0	-4.7	1.92 H	233	26.2	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	#5640.40	60.8 PK	68.2	-7.4	1.45 V	289	47.5	13.3
2	*5825.00	125.1 PK			1.45 V	289	80.4	44.7
3	*5825.00	115.2 AV			1.45 V	289	70.5	44.7
4	#5984.40	61.7 PK	68.2	-6.5	1.45 V	289	47.7	14.0
5	11650.00	61.8 PK	74.0	-12.2	2.33 V	189	39.1	22.7
6	11650.00	49.1 AV	54.0	-4.9	2.33 V	189	26.4	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 (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	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	65.3 PK	74.0	-8.7	1.39 H	228	52.2	13.1
2	5150.00	51.0 AV	54.0	-3.0	1.39 H	228	37.9	13.1
3	*5180.00	119.8 PK			1.39 H	228	76.4	43.4
4	*5180.00	107.5 AV			1.39 H	228	64.1	43.4
5	#10360.00	60.1 PK	68.2	-8.1	1.82 H	228	38.4	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	5150.00	68.2 PK	74.0	-5.8	2.09 V	319	55.1	13.1
2	5150.00	53.6 AV	54.0	-0.4	2.09 V	319	40.5	13.1
3	*5180.00	123.8 PK			2.09 V	319	80.4	43.4
4	*5180.00	111.6 AV			2.09 V	319	68.2	43.4
5	#10360.00	60.3 PK	68.2	-7.9	2.29 V	195	38.6	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	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	120.6 PK			1.39 H	229	77.3	43.3
2	*5200.00	108.3 AV			1.39 H	229	65.0	43.3
3	#10400.00	60.4 PK	68.2	-7.8	1.95 H	225	38.6	21.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	126.8 PK			1.05 V	233	83.5	43.3
2	*5200.00	114.9 AV			1.05 V	233	71.6	43.3
3	#10400.00	61.0 PK	68.2	-7.2	2.29 V	192	39.2	21.8

Remarks:

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

RF Mode	802.11be (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	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	120.9 PK			1.43 H	232	77.7	43.2
2	*5240.00	108.6 AV			1.43 H	232	65.4	43.2
3	5350.00	60.7 PK	74.0	-13.3	1.43 H	232	47.6	13.1
4	5350.00	47.6 AV	54.0	-6.4	1.43 H	232	34.5	13.1
5	#10480.00	60.4 PK	68.2	-7.8	1.85 H	224	38.4	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	*5240.00	127.0 PK			1.06 V	233	83.8	43.2
2	*5240.00	115.2 AV			1.06 V	233	72.0	43.2
3	5350.00	60.9 PK	74.0	-13.1	1.06 V	233	47.8	13.1
4	5350.00	47.7 AV	54.0	-6.3	1.06 V	233	34.6	13.1
5	#10480.00	60.6 PK	68.2	-7.6	2.39 V	187	38.6	22.0

Remarks:

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

RF Mode	802.11be (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	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	60.6 PK	74.0	-13.4	1.24 H	229	47.5	13.1
2	5150.00	47.1 AV	54.0	-6.9	1.24 H	229	34.0	13.1
3	*5260.00	114.8 PK			1.24 H	229	71.5	43.3
4	*5260.00	102.8 AV			1.24 H	229	59.5	43.3
5	#10520.00	60.4 PK	68.2	-7.8	1.85 H	229	38.4	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	5150.00	60.7 PK	74.0	-13.3	2.62 V	97	47.6	13.1
2	5150.00	47.3 AV	54.0	-6.7	2.62 V	97	34.2	13.1
3	*5260.00	121.0 PK			2.62 V	97	77.7	43.3
4	*5260.00	109.3 AV			2.62 V	97	66.0	43.3
5	#10520.00	60.6 PK	68.2	-7.6	2.29 V	192	38.6	22.0

Remarks:

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

RF Mode	802.11be (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	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	114.9 PK			1.22 H	230	71.6	43.3
2	*5300.00	102.4 AV			1.22 H	230	59.1	43.3
3	10600.00	60.5 PK	74.0	-13.5	1.95 H	228	38.4	22.1
4	10600.00	47.3 AV	54.0	-6.7	1.95 H	228	25.2	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	*5300.00	121.0 PK			2.40 V	97	77.7	43.3
2	*5300.00	109.3 AV			2.40 V	97	66.0	43.3
3	10600.00	60.6 PK	74.0	-13.4	2.32 V	195	38.5	22.1
4	10600.00	47.5 AV	54.0	-6.5	2.32 V	195	25.4	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 (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	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	113.9 PK			1.21 H	227	70.4	43.5
2	*5320.00	102.8 AV			1.21 H	227	59.3	43.5
3	5350.00	60.9 PK	74.0	-13.1	1.21 H	227	47.8	13.1
4	5350.00	47.8 AV	54.0	-6.2	1.21 H	227	34.7	13.1
5	10640.00	60.7 PK	74.0	-13.3	1.87 H	224	38.2	22.5
6	10640.00	47.5 AV	54.0	-6.5	1.87 H	224	25.0	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	121.7 PK			2.49 V	95	78.2	43.5
2	*5320.00	109.6 AV			2.49 V	95	66.1	43.5
3	5350.00	64.7 PK	74.0	-9.3	2.49 V	95	51.6	13.1
4	5350.00	50.1 AV	54.0	-3.9	2.49 V	95	37.0	13.1
5	10640.00	60.8 PK	74.0	-13.2	2.29 V	193	38.3	22.5
6	10640.00	47.7 AV	54.0	-6.3	2.29 V	193	25.2	22.5

Remarks:

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

RF Mode	802.11be (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		

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	62.4 PK	74.0	-11.6	1.81 H	220	49.2	13.2
2	5460.00	49.6 AV	54.0	-4.4	1.81 H	220	36.4	13.2
3	#5470.00	65.1 PK	68.2	-3.1	1.81 H	220	51.8	13.3
4	*5500.00	114.9 PK			1.81 H	220	71.0	43.9
5	*5500.00	102.5 AV			1.81 H	220	58.6	43.9
6	11000.00	61.2 PK	74.0	-12.8	1.94 H	227	38.5	22.7
7	11000.00	48.1 AV	54.0	-5.9	1.94 H	227	25.4	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	62.7 PK	74.0	-11.3	2.26 V	97	49.5	13.2
2	5460.00	49.8 AV	54.0	-4.2	2.26 V	97	36.6	13.2
3	#5470.00	66.0 PK	68.2	-2.2	2.26 V	97	52.7	13.3
4	*5500.00	123.0 PK			2.26 V	97	79.1	43.9
5	*5500.00	110.4 AV			2.26 V	97	66.5	43.9
6	11000.00	61.4 PK	74.0	-12.6	2.23 V	189	38.7	22.7
7	11000.00	48.2 AV	54.0	-5.8	2.23 V	189	25.5	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 (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		

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	116.3 PK			1.85 H	224	72.5	43.8
2	*5580.00	103.8 AV			1.85 H	224	60.0	43.8
3	11160.00	60.8 PK	74.0	-13.2	1.93 H	225	38.0	22.8
4	11160.00	47.3 AV	54.0	-6.7	1.93 H	225	24.5	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	*5580.00	122.4 PK			2.24 V	98	78.6	43.8
2	*5580.00	109.8 AV			2.24 V	98	66.0	43.8
3	11160.00	60.9 PK	74.0	-13.1	2.21 V	186	38.1	22.8
4	11160.00	47.8 AV	54.0	-6.2	2.21 V	186	25.0	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.

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		

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	114.6 PK			1.83 H	216	70.3	44.3
2	*5700.00	102.3 AV			1.83 H	216	58.0	44.3
3	#5725.00	62.6 PK	68.2	-5.6	1.83 H	216	48.9	13.7
4	11400.00	61.9 PK	74.0	-12.1	1.92 H	236	38.3	23.6
5	11400.00	48.7 AV	54.0	-5.3	1.92 H	236	25.1	23.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	120.9 PK			2.06 V	324	76.6	44.3
2	*5700.00	107.6 AV			2.06 V	324	63.3	44.3
3	#5725.00	63.5 PK	68.2	-4.7	2.06 V	324	49.8	13.7
4	11400.00	62.1 PK	74.0	-11.9	2.28 V	195	38.5	23.6
5	11400.00	48.9 AV	54.0	-5.1	2.28 V	195	25.3	23.6

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 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		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.7 PK	68.2	-7.5	1.80 H	220	47.4	13.3
2	*5720.00	114.8 PK			1.80 H	220	70.4	44.4
3	*5720.00	102.8 AV			1.80 H	220	58.4	44.4
4	#5850.00	61.1 PK	68.2	-7.1	1.80 H	220	47.3	13.8
5	11440.00	61.7 PK	74.0	-12.3	1.94 H	230	38.2	23.5
6	11440.00	48.5 AV	54.0	-5.5	1.94 H	230	25.0	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.9 PK	68.2	-7.3	2.07 V	97	47.6	13.3
2	*5720.00	121.8 PK			2.07 V	97	77.4	44.4
3	*5720.00	109.2 AV			2.07 V	97	64.8	44.4
4	#5850.00	61.5 PK	68.2	-6.7	2.07 V	97	47.7	13.8
5	11440.00	61.9 PK	74.0	-12.1	2.21 V	186	38.4	23.5
6	11440.00	48.7 AV	54.0	-5.3	2.21 V	186	25.2	23.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 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		

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	#5605.60	60.8 PK	68.2	-7.4	1.49 H	247	47.7	13.1
2	*5745.00	119.7 PK			1.49 H	247	75.1	44.6
3	*5745.00	108.1 AV			1.49 H	247	63.5	44.6
4	#5975.60	61.1 PK	68.2	-7.1	1.49 H	247	47.1	14.0
5	11490.00	61.9 PK	74.0	-12.1	1.92 H	227	38.5	23.4
6	11490.00	49.2 AV	54.0	-4.8	1.92 H	227	25.8	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	#5617.60	61.5 PK	68.2	-6.7	1.45 V	288	48.3	13.2
2	*5745.00	125.0 PK			1.45 V	288	80.4	44.6
3	*5745.00	113.0 AV			1.45 V	288	68.4	44.6
4	#5969.20	62.2 PK	68.2	-6.0	1.45 V	288	48.2	14.0
5	11490.00	62.4 PK	74.0	-11.6	2.31 V	189	39.0	23.4
6	11490.00	49.5 AV	54.0	-4.5	2.31 V	189	26.1	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 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		

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	#5606.40	61.3 PK	68.2	-6.9	1.59 H	250	48.2	13.1
2	*5785.00	119.5 PK			1.59 H	250	74.8	44.7
3	*5785.00	107.0 AV			1.59 H	250	62.3	44.7
4	#5970.80	62.3 PK	68.2	-5.9	1.59 H	250	48.3	14.0
5	11570.00	61.6 PK	74.0	-12.4	1.97 H	221	38.5	23.1
6	11570.00	49.1 AV	54.0	-4.9	1.97 H	221	26.0	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	#5646.00	60.8 PK	68.2	-7.4	1.42 V	288	47.4	13.4
2	*5785.00	124.5 PK			1.42 V	288	79.8	44.7
3	*5785.00	113.2 AV			1.42 V	288	68.5	44.7
4	#5971.60	61.3 PK	68.2	-6.9	1.42 V	288	47.3	14.0
5	11570.00	62.1 PK	74.0	-11.9	2.27 V	186	39.0	23.1
6	11570.00	49.3 AV	54.0	-4.7	2.27 V	186	26.2	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 (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		

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	#5605.60	60.9 PK	68.2	-7.3	1.51 H	250	47.8	13.1
2	*5825.00	119.9 PK			1.51 H	250	75.2	44.7
3	*5825.00	108.0 AV			1.51 H	250	63.3	44.7
4	#5942.00	61.6 PK	68.2	-6.6	1.51 H	250	47.6	14.0
5	11650.00	61.4 PK	74.0	-12.6	1.91 H	225	38.7	22.7
6	11650.00	48.8 AV	54.0	-5.2	1.91 H	225	26.1	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	#5642.40	61.0 PK	68.2	-7.2	1.43 V	287	47.6	13.4
2	*5825.00	125.3 PK			1.43 V	287	80.6	44.7
3	*5825.00	113.4 AV			1.43 V	287	68.7	44.7
4	#5990.80	61.6 PK	68.2	-6.6	1.43 V	287	47.5	14.1
5	11650.00	61.8 PK	74.0	-12.2	2.23 V	185	39.1	22.7
6	11650.00	49.0 AV	54.0	-5.0	2.23 V	185	26.3	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 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	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	63.5 PK	74.0	-10.5	1.42 H	229	50.4	13.1
2	5150.00	50.8 AV	54.0	-3.2	1.42 H	229	37.7	13.1
3	*5190.00	114.8 PK			1.42 H	229	71.5	43.3
4	*5190.00	102.7 AV			1.42 H	229	59.4	43.3
5	#10380.00	60.1 PK	68.2	-8.1	1.89 H	228	38.4	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	5150.00	67.3 PK	74.0	-6.7	2.08 V	316	54.2	13.1
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**2.08 V**	**316**	**40.8**	**13.1**
3	*5190.00	119.9 PK			2.08 V	316	76.6	43.3
4	*5190.00	107.4 AV			2.08 V	316	64.1	43.3
5	#10380.00	60.3 PK	68.2	-7.9	2.25 V	195	38.6	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 (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	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	66.1 PK	74.0	-7.9	1.25 H	232	53.0	13.1
2	5150.00	49.3 AV	54.0	-4.7	1.25 H	232	36.2	13.1
3	*5230.00	118.5 PK			1.25 H	232	75.3	43.2
4	*5230.00	105.7 AV			1.25 H	232	62.5	43.2
5	5350.00	60.8 PK	74.0	-13.2	1.25 H	232	47.7	13.1
6	5350.00	47.9 AV	54.0	-6.1	1.25 H	232	34.8	13.1
7	#10460.00	60.4 PK	68.2	-7.8	1.85 H	225	38.5	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	66.7 PK	74.0	-7.3	1.03 V	234	53.6	13.1
2	5150.00	52.9 AV	54.0	-1.1	1.03 V	234	39.8	13.1
3	*5230.00	124.1 PK			1.03 V	234	80.9	43.2
4	*5230.00	111.2 AV			1.03 V	234	68.0	43.2
5	5350.00	62.1 PK	74.0	-11.9	1.03 V	234	49.0	13.1
6	5350.00	48.8 AV	54.0	-5.2	1.03 V	234	35.7	13.1
7	#10460.00	60.5 PK	68.2	-7.7	2.28 V	185	38.6	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 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	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	60.3 PK	74.0	-13.7	1.19 H	230	47.2	13.1
2	5150.00	47.1 AV	54.0	-6.9	1.19 H	230	34.0	13.1
3	*5270.00	112.3 PK			1.19 H	230	69.0	43.3
4	*5270.00	99.5 AV			1.19 H	230	56.2	43.3
5	#10540.00	60.3 PK	68.2	-7.9	1.85 H	225	38.2	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	5150.00	60.4 PK	74.0	-13.6	2.47 V	96	47.3	13.1
2	5150.00	47.3 AV	54.0	-6.7	2.47 V	96	34.2	13.1
3	*5270.00	119.1 PK			2.47 V	96	75.8	43.3
4	*5270.00	106.9 AV			2.47 V	96	63.6	43.3
5	#10540.00	60.4 PK	68.2	-7.8	2.21 V	185	38.3	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.
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	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	110.7 PK			1.17 H	229	67.4	43.3
2	*5310.00	99.1 AV			1.17 H	229	55.8	43.3
3	5350.00	61.3 PK	74.0	-12.7	1.17 H	229	48.2	13.1
4	5350.00	48.0 AV	54.0	-6.0	1.17 H	229	34.9	13.1
5	10620.00	60.4 PK	74.0	-13.6	1.92 H	229	38.2	22.2
6	10620.00	47.2 AV	54.0	-6.8	1.92 H	229	25.0	22.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	119.4 PK			2.50 V	98	76.1	43.3
2	*5310.00	106.6 AV			2.50 V	98	63.3	43.3
3	5350.00	63.2 PK	74.0	-10.8	2.50 V	98	50.1	13.1
4	5350.00	50.4 AV	54.0	-3.6	2.50 V	98	37.3	13.1
5	10620.00	60.5 PK	74.0	-13.5	2.26 V	198	38.3	22.2
6	10620.00	47.3 AV	54.0	-6.7	2.26 V	198	25.1	22.2

Remarks:

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

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		

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	60.8 PK	74.0	-13.2	1.80 H	222	47.6	13.2
2	5460.00	48.7 AV	54.0	-5.3	1.80 H	222	35.5	13.2
3	#5470.00	64.5 PK	68.2	-3.7	1.80 H	222	51.2	13.3
4	*5510.00	113.2 PK			1.80 H	222	69.3	43.9
5	*5510.00	99.9 AV			1.80 H	222	56.0	43.9
6	11020.00	61.1 PK	74.0	-12.9	1.95 H	230	38.2	22.9
7	11020.00	47.4 AV	54.0	-6.6	1.95 H	230	24.5	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	5460.00	61.0 PK	74.0	-13.0	2.08 V	96	47.8	13.2
2	5460.00	48.9 AV	54.0	-5.1	2.08 V	96	35.7	13.2
3	#5470.00	64.7 PK	68.2	-3.5	2.08 V	96	51.4	13.3
4	*5510.00	119.6 PK			2.08 V	96	75.7	43.9
5	*5510.00	107.3 AV			2.08 V	96	63.4	43.9
6	11020.00	61.2 PK	74.0	-12.8	2.23 V	185	38.3	22.9
7	11020.00	47.9 AV	54.0	-6.1	2.23 V	185	25.0	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 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		

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	112.7 PK			1.82 H	230	68.8	43.9
2	*5550.00	102.1 AV			1.82 H	230	58.2	43.9
3	11100.00	60.4 PK	74.0	-13.6	1.82 H	225	37.6	22.8
4	11100.00	47.3 AV	54.0	-6.7	1.82 H	225	24.5	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	*5550.00	119.2 PK			2.19 V	98	75.3	43.9
2	*5550.00	107.0 AV			2.19 V	98	63.1	43.9
3	11100.00	60.8 PK	74.0	-13.2	2.21 V	192	38.0	22.8
4	11100.00	47.6 AV	54.0	-6.4	2.21 V	192	24.8	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.

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		

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	111.3 PK			1.80 H	222	67.1	44.2
2	*5670.00	99.4 AV			1.80 H	222	55.2	44.2
3	#5725.00	67.2 PK	68.2	-1.0	1.80 H	222	53.5	13.7
4	11340.00	61.1 PK	74.0	-12.9	1.94 H	217	37.8	23.3
5	11340.00	47.8 AV	54.0	-6.2	1.94 H	217	24.5	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	*5670.00	117.9 PK			2.15 V	97	73.7	44.2
2	*5670.00	105.2 AV			2.15 V	97	61.0	44.2
3	#5725.00	67.7 PK	68.2	-0.5	2.15 V	97	54.0	13.7
4	11340.00	61.4 PK	74.0	-12.6	2.18 V	195	38.1	23.3
5	11340.00	48.1 AV	54.0	-5.9	2.18 V	195	24.8	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 (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		

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	61.4 PK	68.2	-6.8	1.93 H	234	48.1	13.3
2	*5710.00	111.6 PK			1.78 H	221	67.3	44.3
3	*5710.00	99.3 AV			1.78 H	221	55.0	44.3
4	#5850.00	61.4 PK	68.2	-6.8	1.78 H	221	47.6	13.8
5	11420.00	61.6 PK	74.0	-12.4	1.95 H	227	38.0	23.6
6	11420.00	48.4 AV	54.0	-5.6	1.95 H	227	24.8	23.6
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	#5470.00	61.5 PK	68.2	-6.7	2.14 V	97	48.2	13.3
2	*5710.00	118.4 PK			2.14 V	97	74.1	44.3
3	*5710.00	105.8 AV			2.14 V	97	61.5	44.3
4	#5850.00	61.8 PK	68.2	-6.4	2.14 V	97	48.0	13.8
5	11420.00	61.8 PK	74.0	-12.2	2.23 V	195	38.2	23.6
6	11420.00	48.7 AV	54.0	-5.3	2.23 V	195	25.1	23.6

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 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		

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	#5640.40	61.7 PK	68.2	-6.5	1.53 H	250	48.4	13.3
2	*5755.00	116.7 PK			1.53 H	250	72.1	44.6
3	*5755.00	103.7 AV			1.53 H	250	59.1	44.6
4	#5970.40	62.4 PK	68.2	-5.8	1.53 H	250	48.4	14.0
5	11510.00	61.8 PK	74.0	-12.2	1.94 H	226	38.5	23.3
6	11510.00	48.5 AV	54.0	-5.5	1.94 H	226	25.2	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	#5647.20	63.9 PK	68.2	-4.3	1.30 V	313	50.5	13.4
2	*5755.00	122.6 PK			1.30 V	313	78.0	44.6
3	*5755.00	110.4 AV			1.30 V	313	65.8	44.6
4	#5941.60	61.5 PK	68.2	-6.7	1.30 V	313	47.5	14.0
5	11510.00	62.1 PK	74.0	-11.9	2.25 V	192	38.8	23.3
6	11510.00	49.3 AV	54.0	-4.7	2.25 V	192	26.0	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 (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		

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	#5645.20	61.3 PK	68.2	-6.9	1.50 H	249	47.9	13.4
2	*5795.00	116.4 PK			1.50 H	249	71.7	44.7
3	*5795.00	103.8 AV			1.50 H	249	59.1	44.7
4	#5968.80	61.8 PK	68.2	-6.4	1.50 H	249	47.8	14.0
5	11590.00	61.4 PK	74.0	-12.6	1.99 H	221	38.5	22.9
6	11590.00	48.5 AV	54.0	-5.5	1.99 H	221	25.6	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	#5649.20	62.7 PK	68.2	-5.5	1.38 V	313	49.3	13.4
2	*5795.00	122.4 PK			1.38 V	313	77.7	44.7
3	*5795.00	110.4 AV			1.38 V	313	65.7	44.7
4	#5928.40	62.9 PK	68.2	-5.3	1.38 V	313	48.9	14.0
5	11590.00	61.7 PK	74.0	-12.3	2.27 V	195	38.8	22.9
6	11590.00	49.0 AV	54.0	-5.0	2.27 V	195	26.1	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 (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	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	62.7 PK	74.0	-11.3	1.27 H	228	49.6	13.1
2	5150.00	50.5 AV	54.0	-3.5	1.27 H	228	37.4	13.1
3	*5210.00	112.6 PK			1.27 H	228	69.3	43.3
4	*5210.00	100.1 AV			1.27 H	228	56.8	43.3
5	#10420.00	60.3 PK	68.2	-7.9	1.88 H	229	38.4	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	65.9 PK	74.0	-8.1	2.16 V	317	52.8	13.1
2	5150.00	53.6 AV	54.0	-0.4	2.16 V	317	40.5	13.1
3	*5210.00	117.3 PK			2.16 V	317	74.0	43.3
4	*5210.00	104.9 AV			2.16 V	317	61.6	43.3
5	#10420.00	60.4 PK	68.2	-7.8	2.28 V	185	38.5	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 (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	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	109.9 PK			1.06 H	229	66.6	43.3
2	*5290.00	96.7 AV			1.06 H	229	53.4	43.3
3	5350.00	60.6 PK	74.0	-13.4	1.06 H	229	47.5	13.1
4	5350.00	47.8 AV	54.0	-6.2	1.06 H	229	34.7	13.1
5	#10580.00	60.3 PK	68.2	-7.9	1.90 H	229	38.2	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	*5290.00	116.1 PK			2.49 V	97	72.8	43.3
2	*5290.00	103.7 AV			2.49 V	97	60.4	43.3
3	5350.00	62.3 PK	74.0	-11.7	2.49 V	97	49.2	13.1
4	5350.00	49.4 AV	54.0	-4.6	2.49 V	97	36.3	13.1
5	#10580.00	60.5 PK	68.2	-7.7	2.21 V	187	38.4	22.1

Remarks:

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

RF Mode	802.11be (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		

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	61.7 PK	74.0	-12.3	1.78 H	221	48.5	13.2
2	5460.00	48.5 AV	54.0	-5.5	1.78 H	221	35.3	13.2
3	#5470.00	62.7 PK	68.2	-5.5	1.78 H	221	49.4	13.3
4	*5530.00	108.7 PK			1.78 H	221	64.8	43.9
5	*5530.00	97.6 AV			1.78 H	221	53.7	43.9
6	11060.00	60.3 PK	74.0	-13.7	1.94 H	228	37.5	22.8
7	11060.00	47.4 AV	54.0	-6.6	1.94 H	228	24.6	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	61.8 PK	74.0	-12.2	2.08 V	95	48.6	13.2
2	5460.00	48.8 AV	54.0	-5.2	2.08 V	95	35.6	13.2
3	#5470.00	63.0 PK	68.2	-5.2	2.08 V	95	49.7	13.3
4	*5530.00	117.4 PK			2.08 V	95	73.5	43.9
5	*5530.00	104.4 AV			2.08 V	95	60.5	43.9
6	11060.00	60.8 PK	74.0	-13.2	2.28 V	192	38.0	22.8
7	11060.00	47.6 AV	54.0	-6.4	2.28 V	192	24.8	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 (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		

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	109.1 PK			1.78 H	221	65.3	43.8
2	*5610.00	97.0 AV			1.78 H	221	53.2	43.8
3	#5725.00	63.5 PK	68.2	-4.7	1.78 H	221	49.8	13.7
4	11220.00	60.7 PK	74.0	-13.3	1.89 H	224	37.9	22.8
5	11220.00	47.4 AV	54.0	-6.6	1.89 H	224	24.6	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	*5610.00	116.7 PK			2.11 V	95	72.9	43.8
2	*5610.00	103.4 AV			2.11 V	95	59.6	43.8
3	#5725.00	64.1 PK	68.2	-4.1	2.11 V	95	50.4	13.7
4	11220.00	60.9 PK	74.0	-13.1	2.21 V	182	38.1	22.8
5	11220.00	47.6 AV	54.0	-6.4	2.21 V	182	24.8	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 (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		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.1 PK	68.2	-8.1	1.78 H	221	46.8	13.3
2	*5690.00	108.5 PK			1.78 H	221	64.3	44.2
3	*5690.00	96.5 AV			1.78 H	221	52.3	44.2
4	#5850.00	61.4 PK	68.2	-6.8	1.78 H	221	47.6	13.8
5	11380.00	61.2 PK	74.0	-12.8	1.92 H	230	37.8	23.4
6	11380.00	47.9 AV	54.0	-6.1	1.92 H	230	24.5	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	60.6 PK	68.2	-7.6	2.11 V	96	47.3	13.3
2	*5690.00	115.8 PK			2.11 V	96	71.6	44.2
3	*5690.00	102.7 AV			2.11 V	96	58.5	44.2
4	#5850.00	61.7 PK	68.2	-6.5	2.11 V	96	47.9	13.8
5	11380.00	61.5 PK	74.0	-12.5	2.29 V	192	38.1	23.4
6	11380.00	48.4 AV	54.0	-5.6	2.29 V	192	25.0	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 (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		

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	67.2 PK	68.2	-1.0	1.50 H	251	53.8	13.4
2	*5775.00	112.7 PK			1.50 H	251	68.1	44.6
3	*5775.00	99.8 AV			1.50 H	251	55.2	44.6
4	#5994.80	62.6 PK	68.2	-5.6	1.50 H	251	48.5	14.1
5	11550.00	61.3 PK	74.0	-12.7	1.93 H	236	38.2	23.1
6	11550.00	48.5 AV	54.0	-5.5	1.93 H	236	25.4	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	#5650.00	67.8 PK	68.2	-0.4	1.45 V	287	54.4	13.4
2	*5775.00	118.6 PK			1.45 V	287	74.0	44.6
3	*5775.00	106.2 AV			1.45 V	287	61.6	44.6
4	#5945.60	63.5 PK	68.2	-4.7	1.45 V	287	49.5	14.0
5	11550.00	61.7 PK	74.0	-12.3	2.25 V	192	38.6	23.1
6	11550.00	49.0 AV	54.0	-5.0	2.25 V	192	25.9	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 (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		

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	61.7 PK	74.0	-12.3	1.17 H	232	48.6	13.1
2	5150.00	49.2 AV	54.0	-4.8	1.17 H	232	36.1	13.1
3	*5250.00	105.6 PK			1.17 H	232	62.4	43.2
4	*5250.00	93.4 AV			1.17 H	232	50.2	43.2
5	5350.00	61.0 PK	74.0	-13.0	1.17 H	232	47.9	13.1
6	5350.00	48.0 AV	54.0	-6.0	1.17 H	232	34.9	13.1
7	#10500.00	60.2 PK	68.2	-8.0	1.82 H	239	38.2	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	5150.00	69.5 PK	74.0	-4.5	1.49 V	95	56.4	13.1
2	5150.00	53.5 AV	54.0	-0.5	1.49 V	95	40.4	13.1
3	*5250.00	112.7 PK			1.49 V	95	69.5	43.2
4	*5250.00	100.3 AV			1.49 V	95	57.1	43.2
5	5350.00	70.6 PK	74.0	-3.4	1.49 V	95	57.5	13.1
6	5350.00	52.1 AV	54.0	-1.9	1.49 V	95	39.0	13.1
7	#10500.00	60.4 PK	68.2	-7.8	2.25 V	182	38.4	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 (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		

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	1.86 H	222	48.3	13.2
2	5460.00	48.9 AV	54.0	-5.1	1.86 H	222	35.7	13.2
3	#5470.00	62.8 PK	68.2	-5.4	1.86 H	222	49.5	13.3
4	*5570.00	106.5 PK			1.86 H	222	62.6	43.9
5	*5570.00	94.0 AV			1.86 H	222	50.1	43.9
6	#5725.00	61.8 PK	68.2	-6.4	1.86 H	222	48.1	13.7
7	11140.00	60.4 PK	74.0	-13.6	1.92 H	218	37.5	22.9
8	11140.00	47.1 AV	54.0	-6.9	1.92 H	218	24.2	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	5460.00	65.5 PK	74.0	-8.5	1.76 V	97	52.3	13.2
2	5460.00	52.5 AV	54.0	-1.5	1.76 V	97	39.3	13.2
3	#5470.00	67.7 PK	68.2	-0.5	1.76 V	97	54.4	13.3
4	*5570.00	112.6 PK			1.76 V	97	68.7	43.9
5	*5570.00	100.1 AV			1.76 V	97	56.2	43.9
6	#5725.00	65.9 PK	68.2	-2.3	1.76 V	97	52.2	13.7
7	11140.00	60.7 PK	74.0	-13.3	2.22 V	186	37.8	22.9
8	11140.00	47.3 AV	54.0	-6.7	2.22 V	186	24.4	22.9

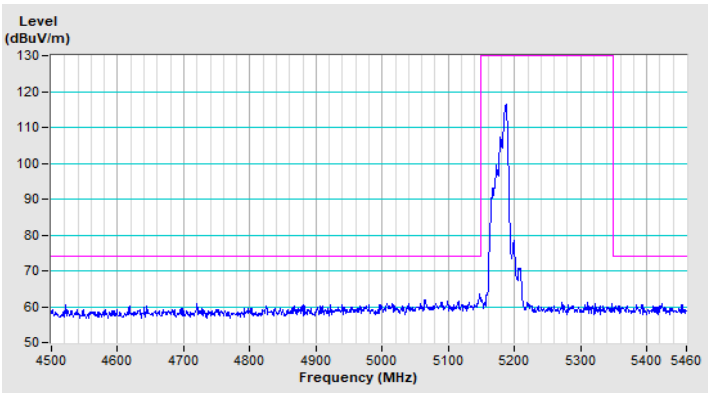
Remarks:

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.

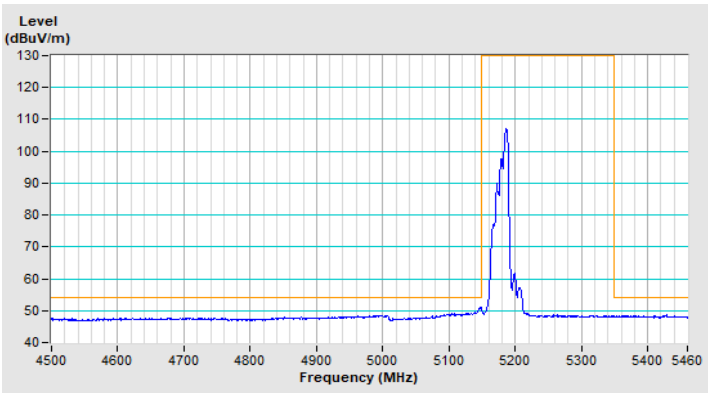
Plot of Band Edge

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

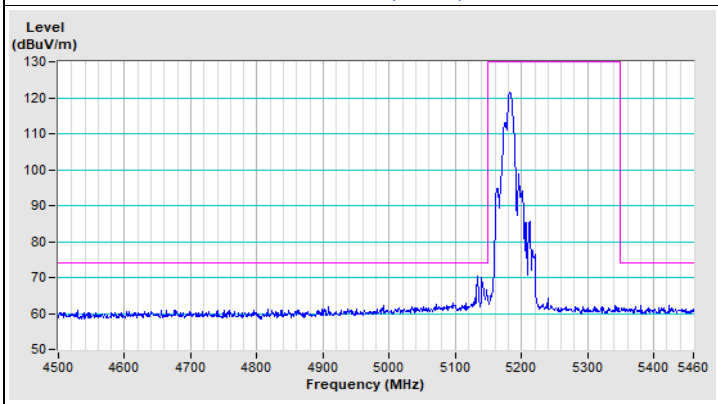
802.11a Channel 36



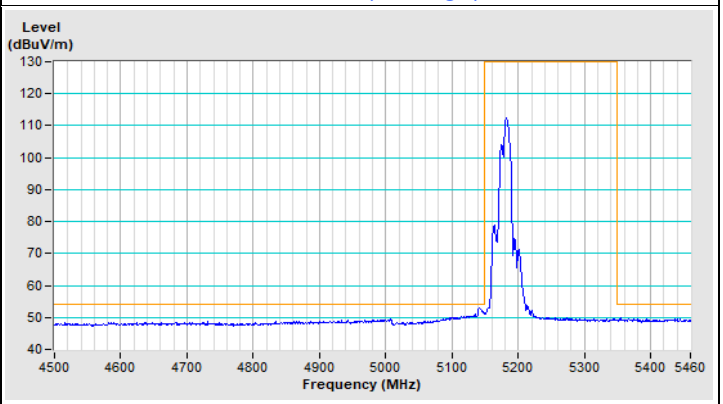
Horizontal (Peak)



Horizontal (Average)



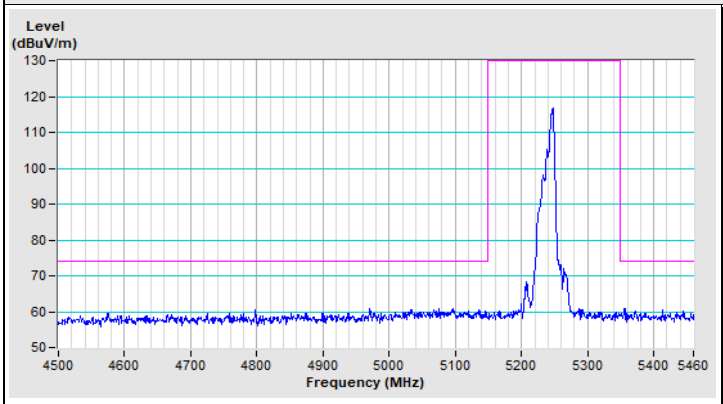
Vertical (Peak)



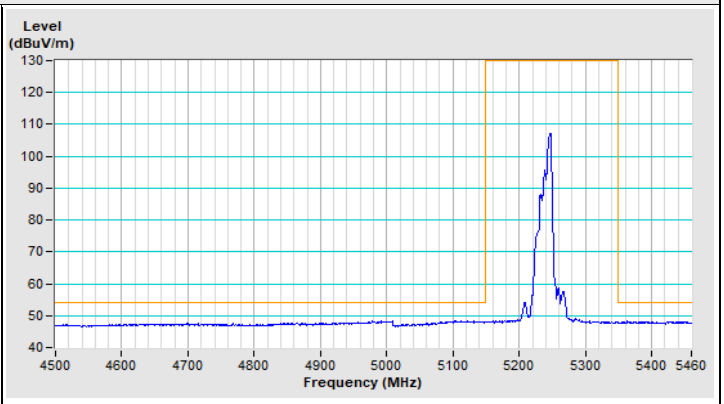
Vertical (Average)

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

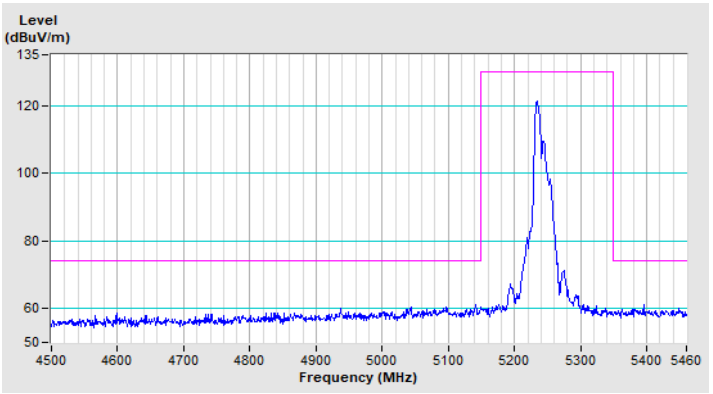
802.11a Channel 48



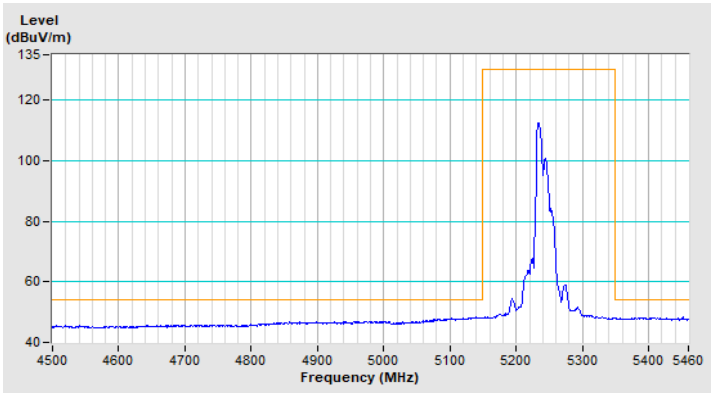
Horizontal (Peak)



Horizontal (Average)



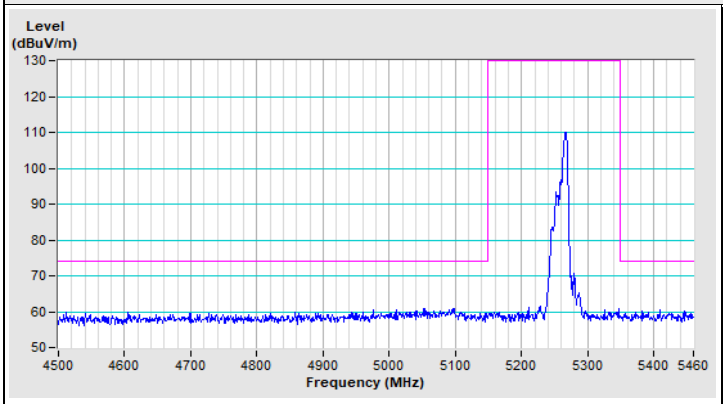
Vertical (Peak)



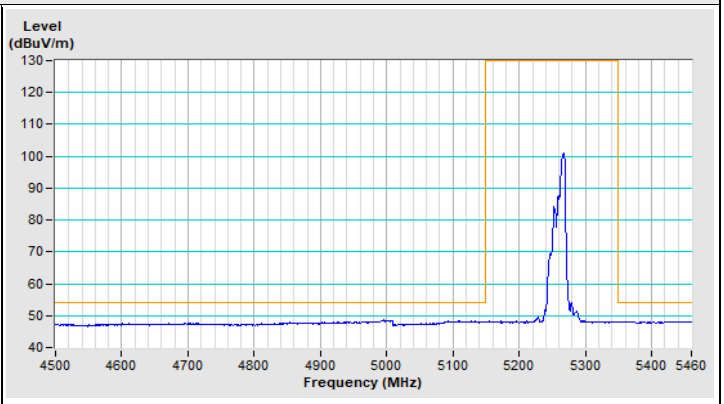
Vertical (Average)

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

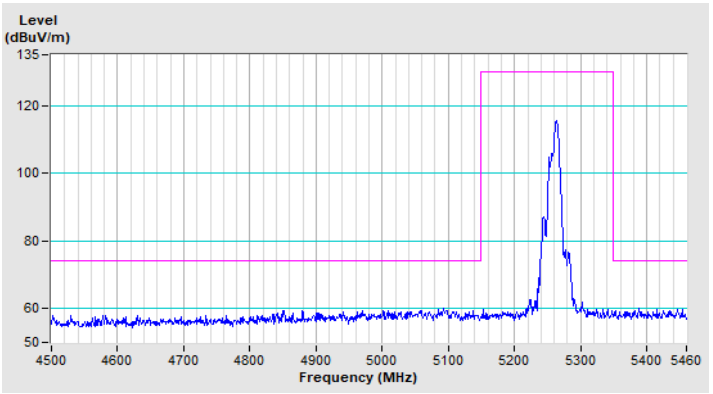
802.11a Channel 52



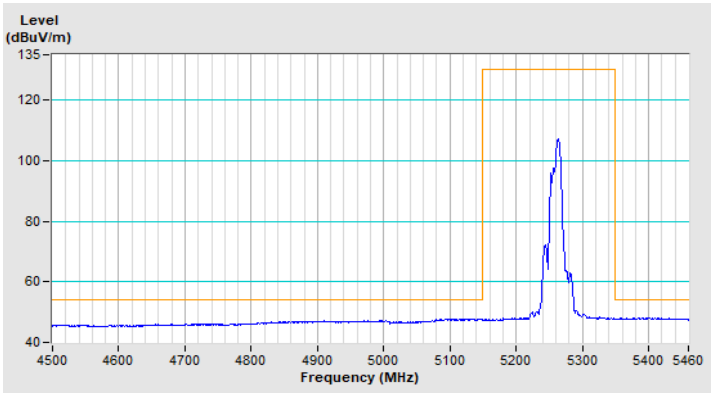
Horizontal (Peak)



Horizontal (Average)



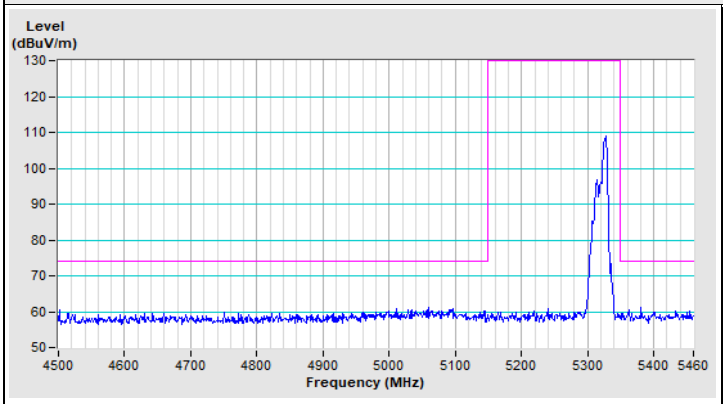
Vertical (Peak)



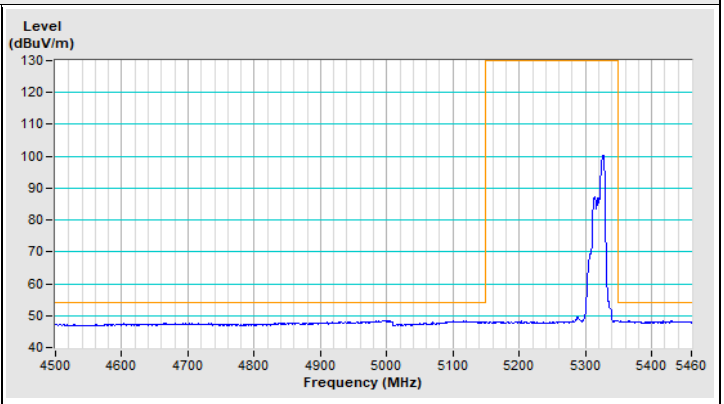
Vertical (Average)

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

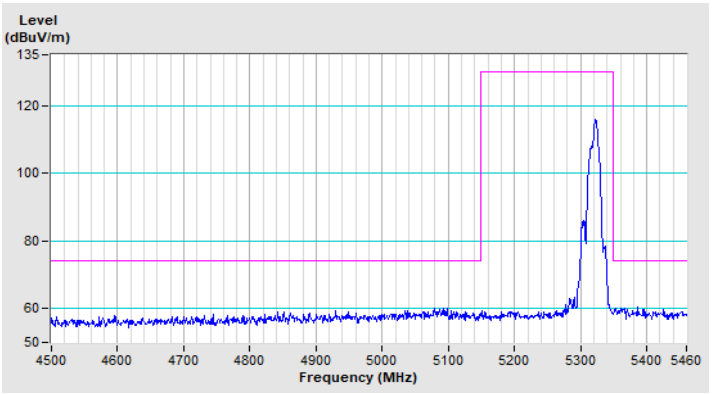
802.11a Channel 64



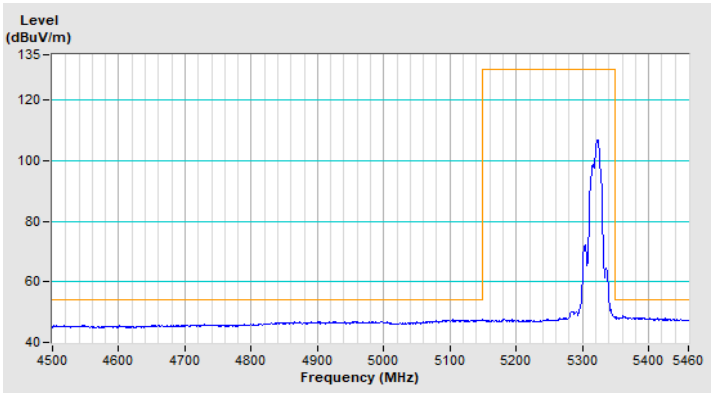
Horizontal (Peak)



Horizontal (Average)



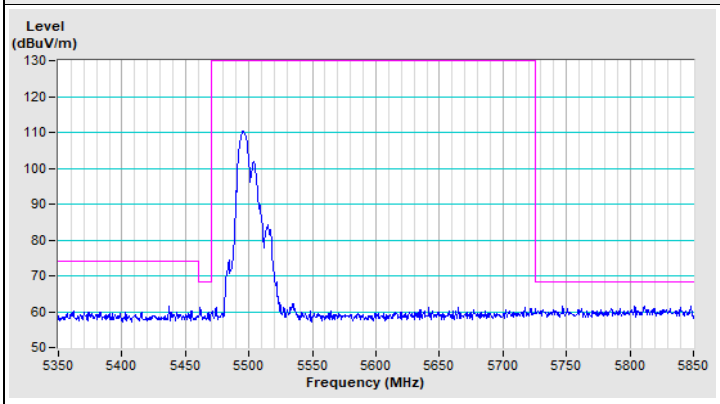
Vertical (Peak)



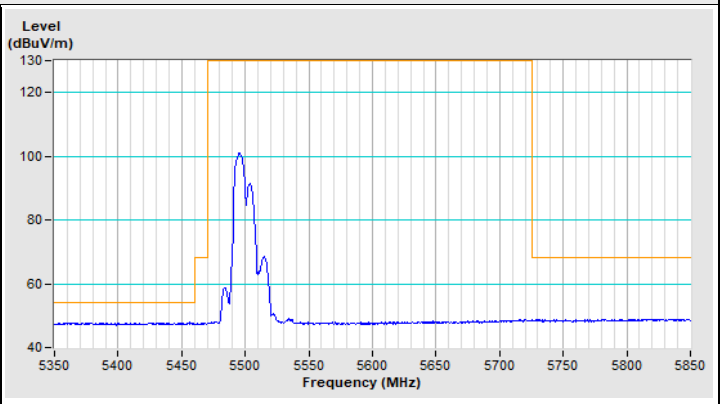
Vertical (Average)

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

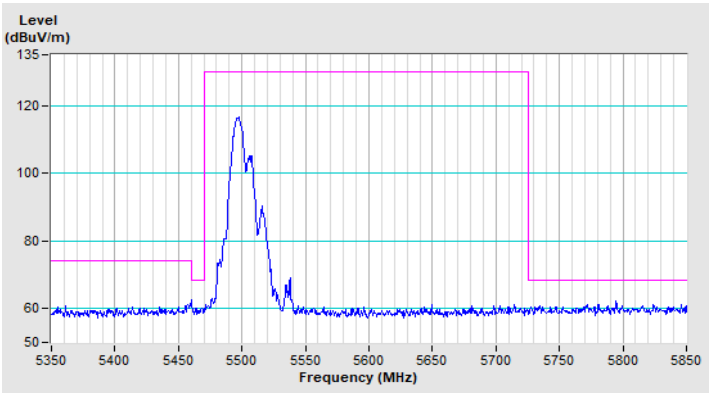
802.11a Channel 100



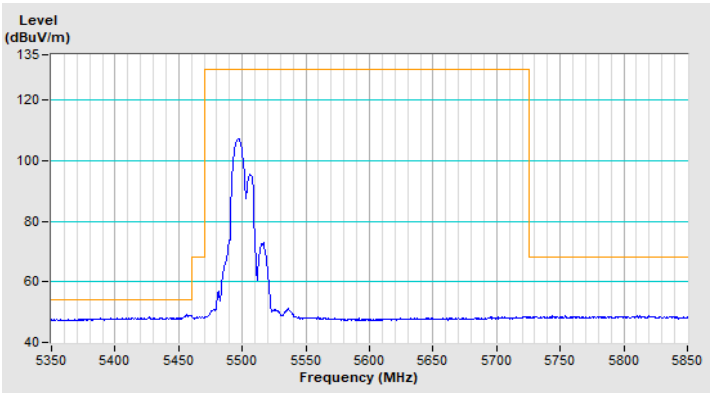
Horizontal (Peak)



Horizontal (Average)

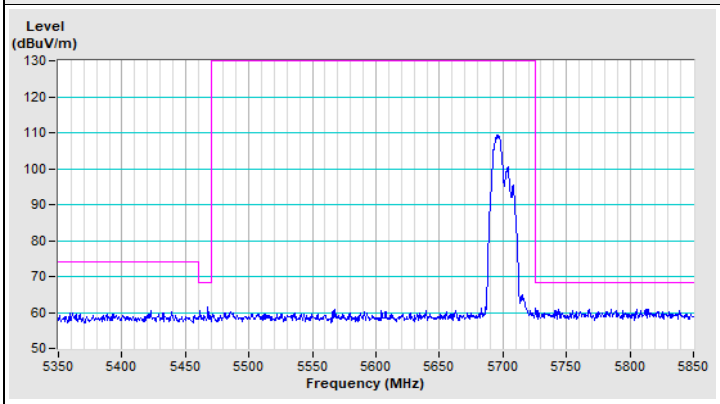


Vertical (Peak)

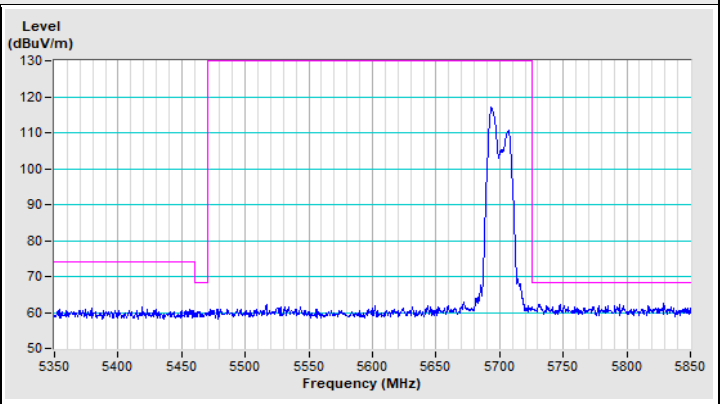


Vertical (Average)

802.11a Channel 140



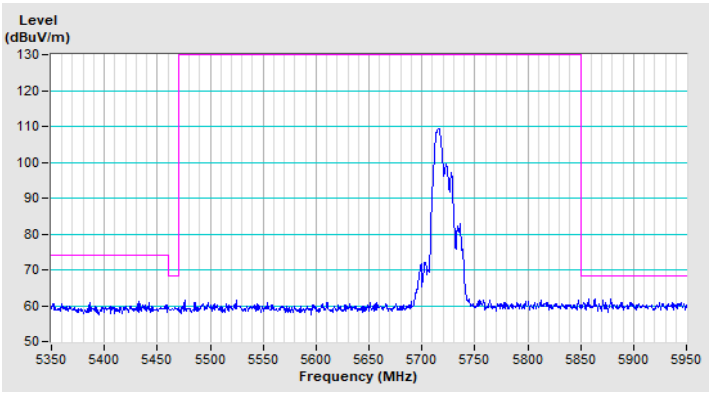
Horizontal (Peak)



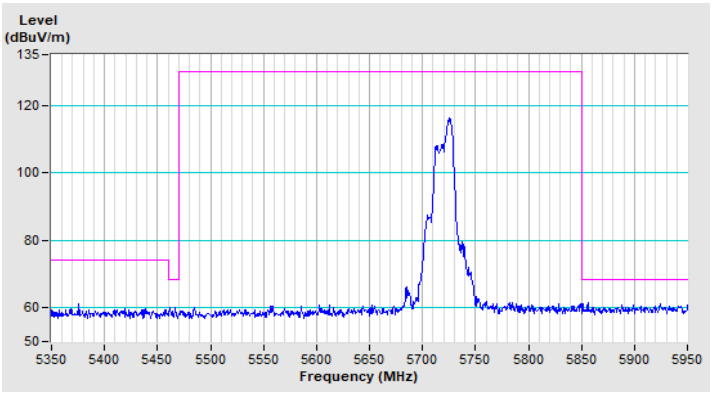
Vertical (Peak)

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

802.11a Channel 144



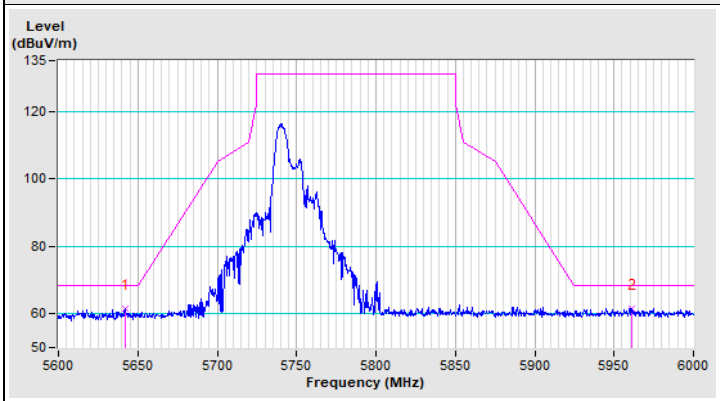
Horizontal (Peak)



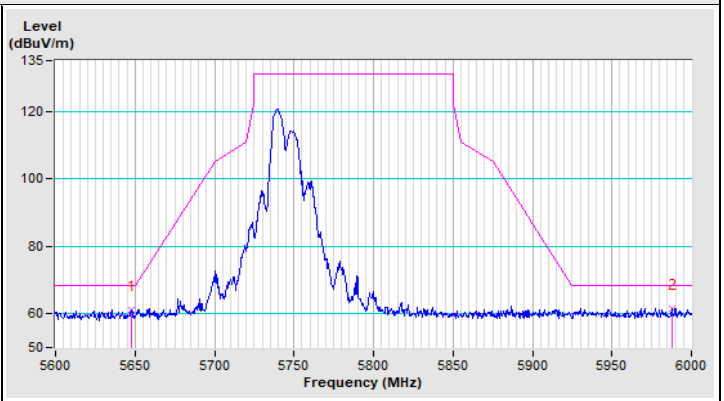
Vertical (Peak)

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

802.11a Channel 149

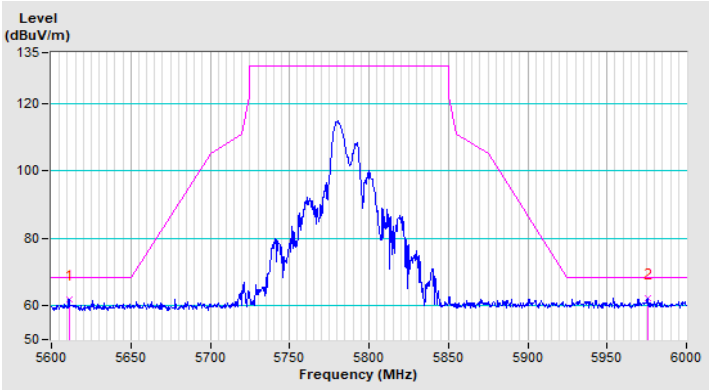


Horizontal (Peak)

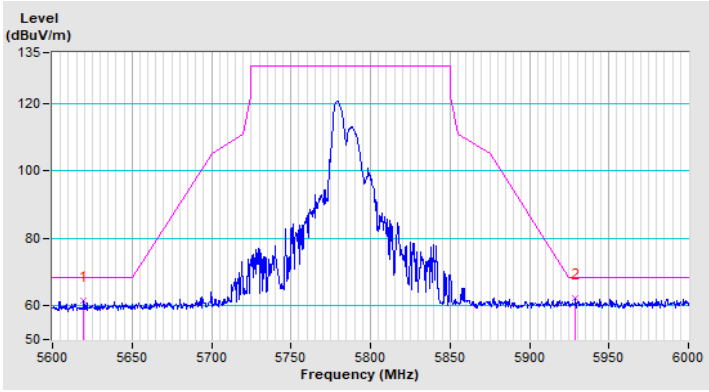


Vertical (Peak)

802.11a Channel 157

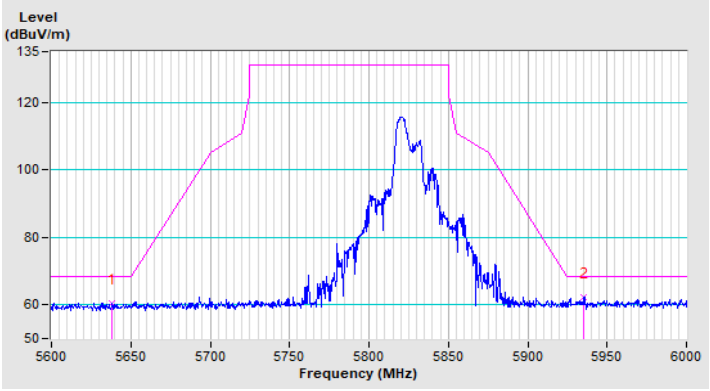


Horizontal (Peak)

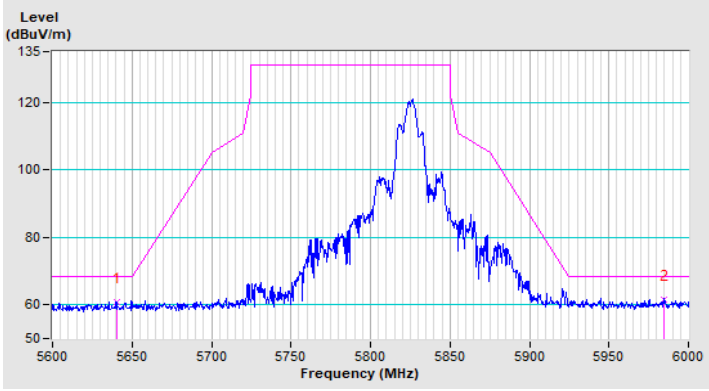


Vertical (Peak)

802.11a Channel 165



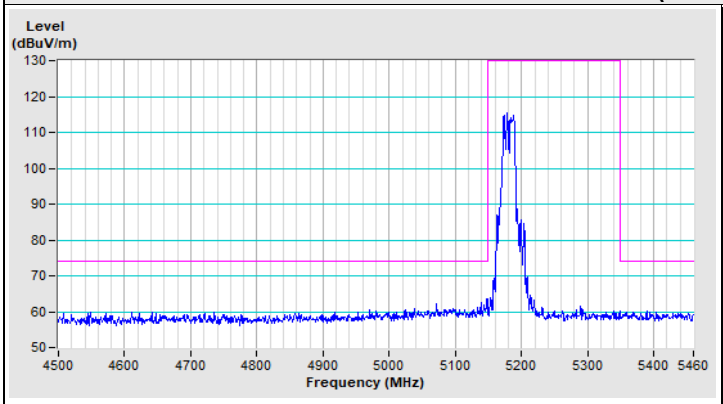
Horizontal (Peak)



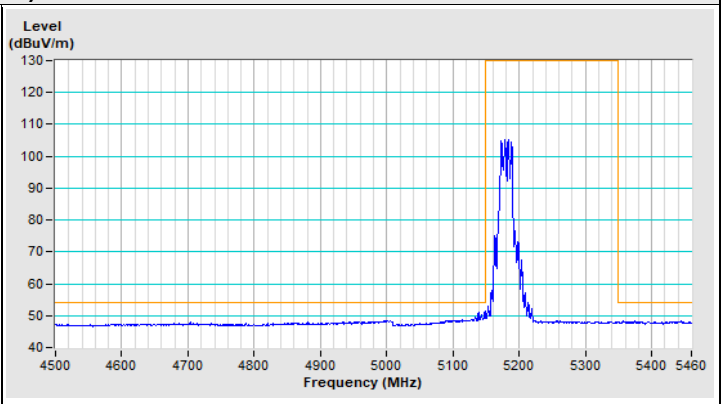
Vertical (Peak)

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

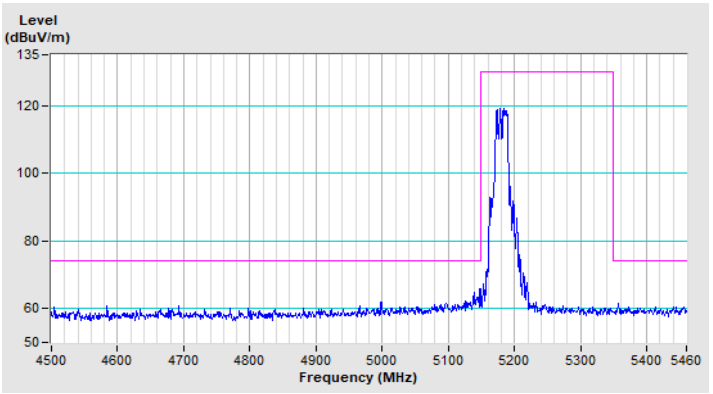
802.11be (EHT20) Channel 36



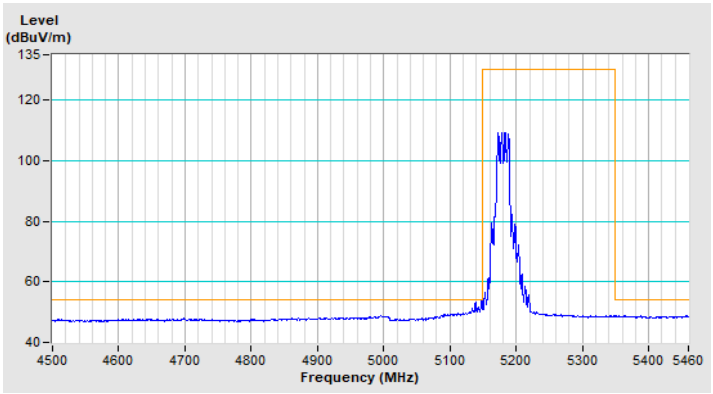
Horizontal (Peak)



Horizontal (Average)



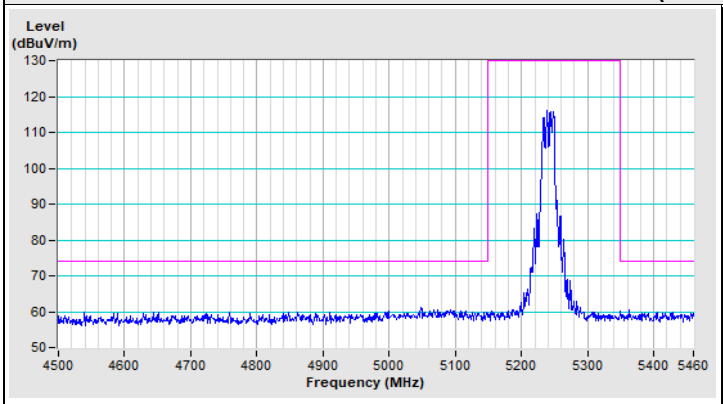
Vertical (Peak)



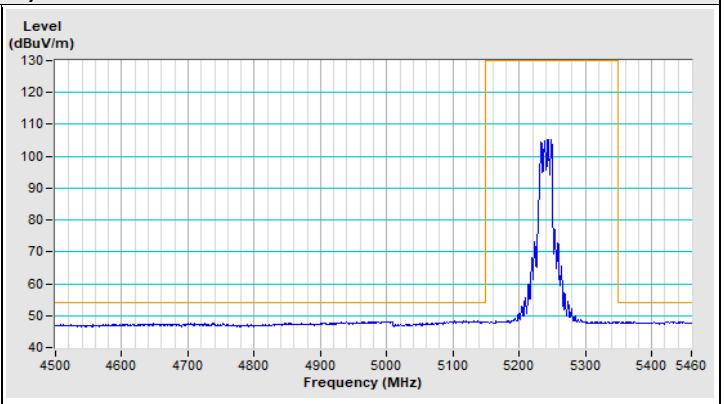
Vertical (Average)

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

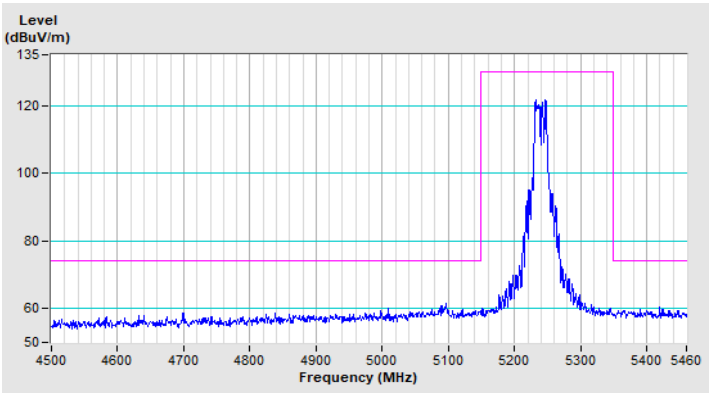
802.11be (EHT20) Channel 48



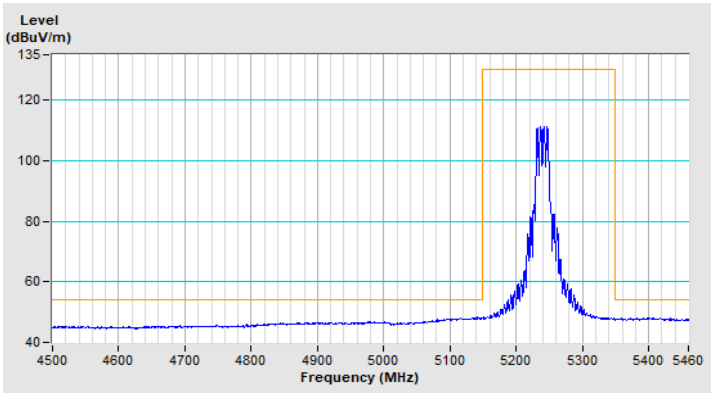
Horizontal (Peak)



Horizontal (Average)



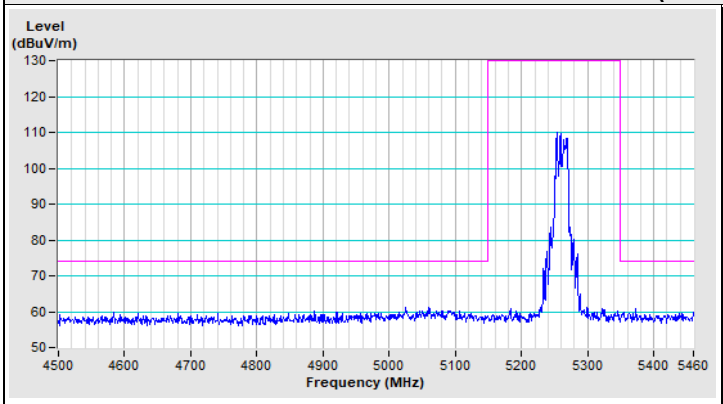
Vertical (Peak)



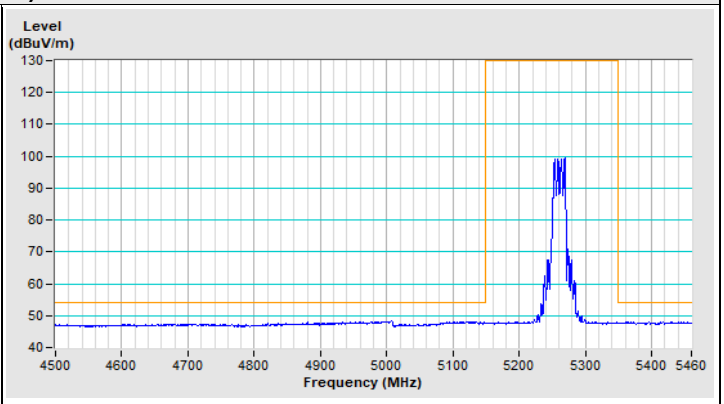
Vertical (Average)

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

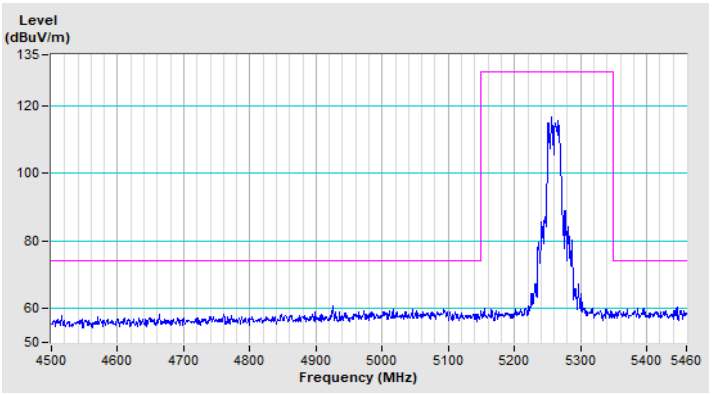
802.11be (EHT20) Channel 52



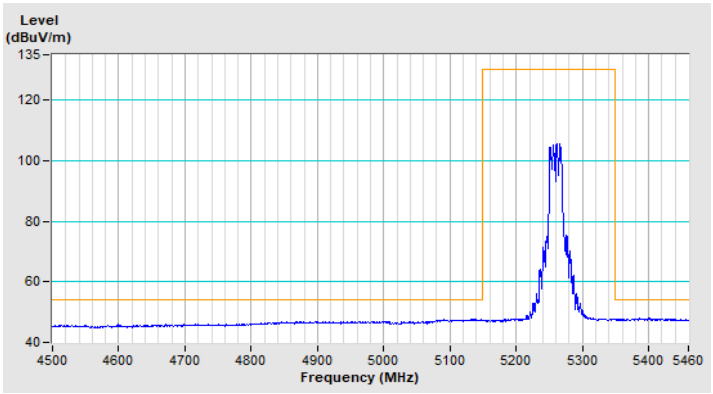
Horizontal (Peak)



Horizontal (Average)



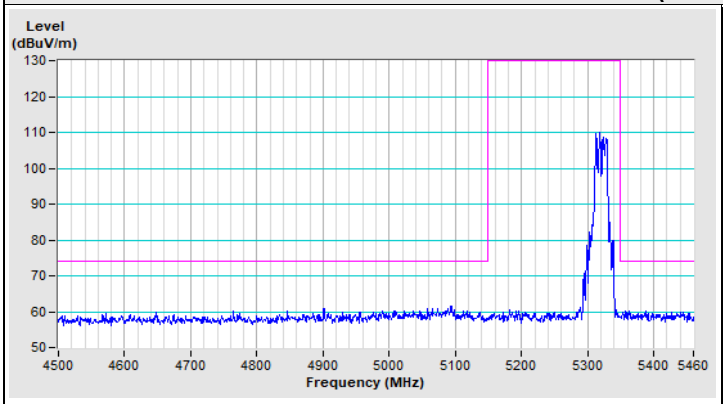
Vertical (Peak)



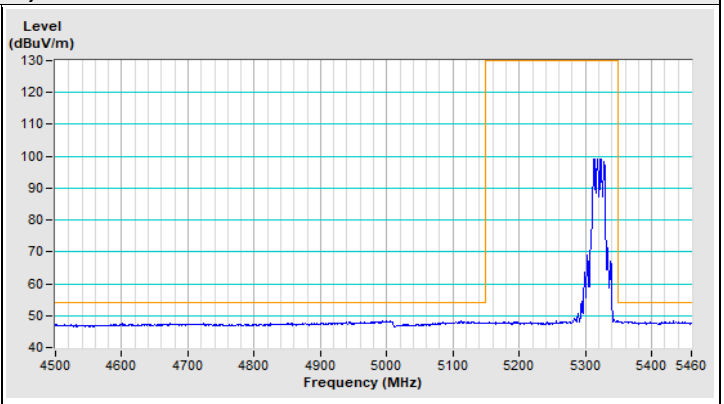
Vertical (Average)

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

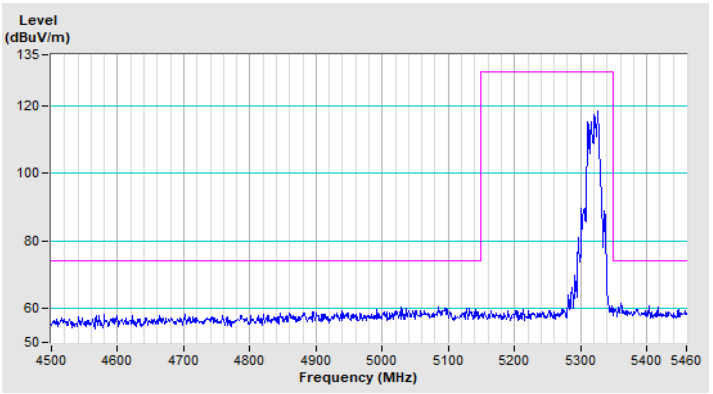
802.11be (EHT20) Channel 64



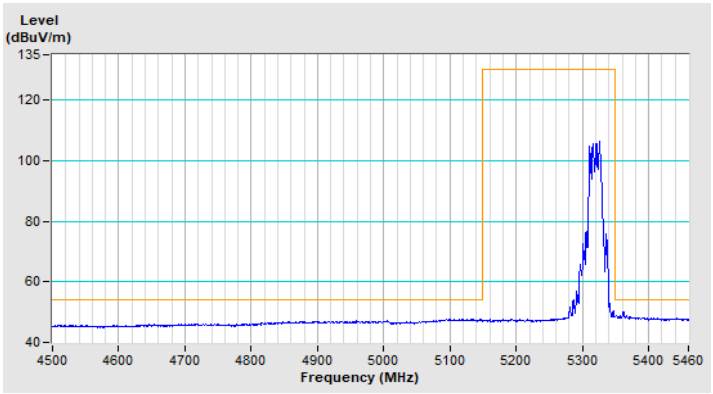
Horizontal (Peak)



Horizontal (Average)



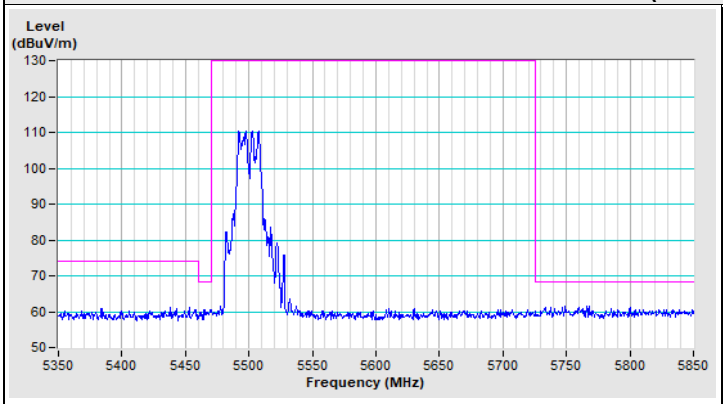
Vertical (Peak)



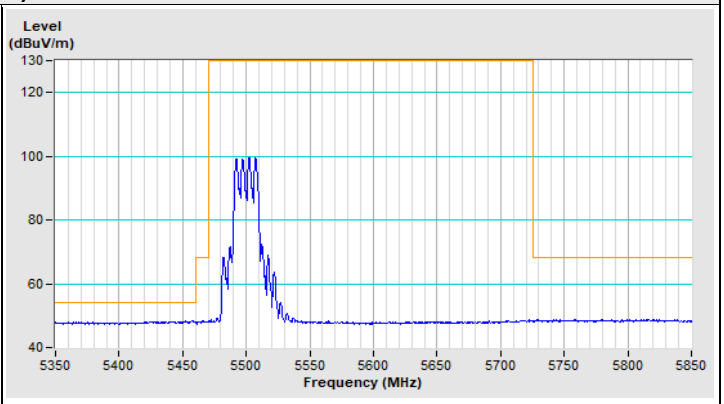
Vertical (Average)

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

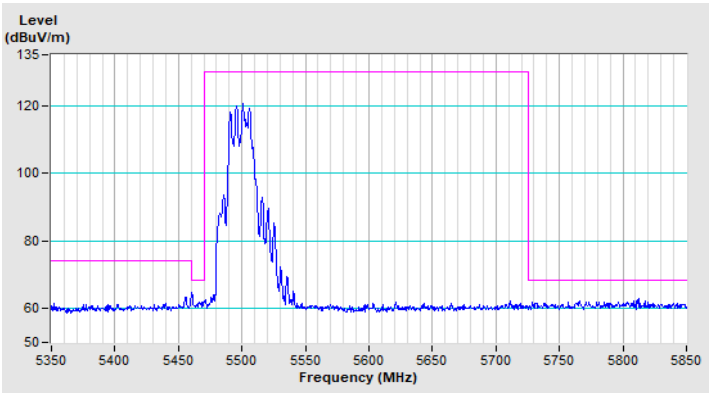
802.11be (EHT20) Channel 100



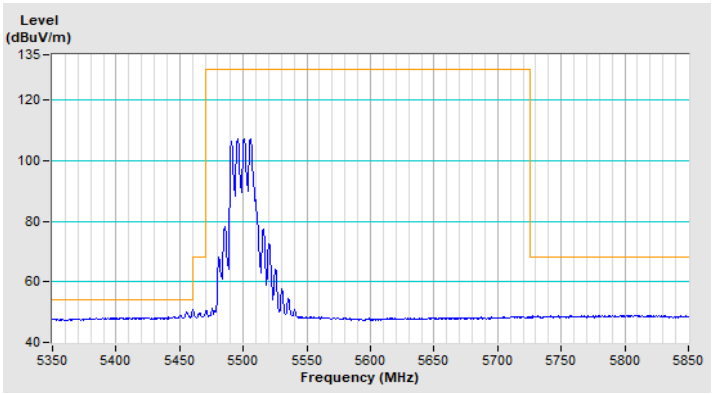
Horizontal (Peak)



Horizontal (Average)

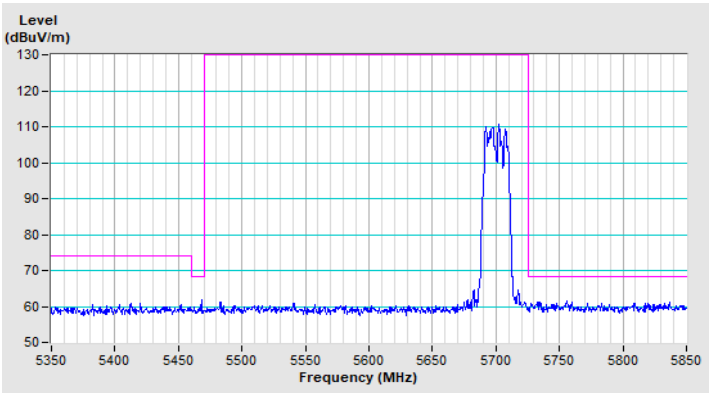


Vertical (Peak)

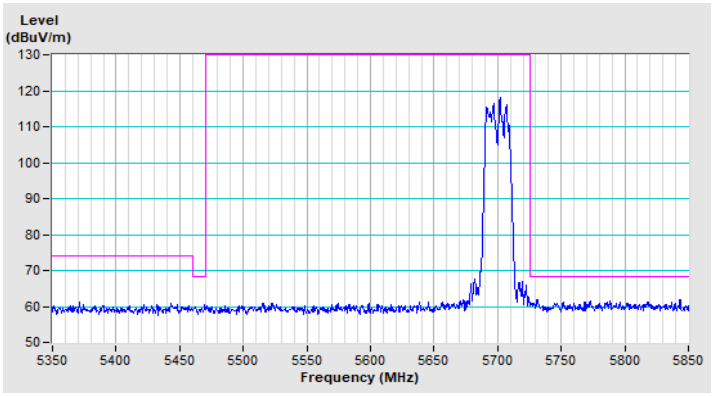


Vertical (Average)

802.11be (EHT20) Channel 140



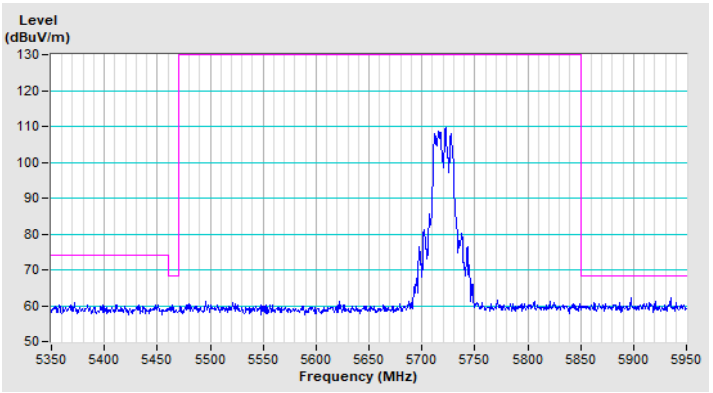
Horizontal (Peak)



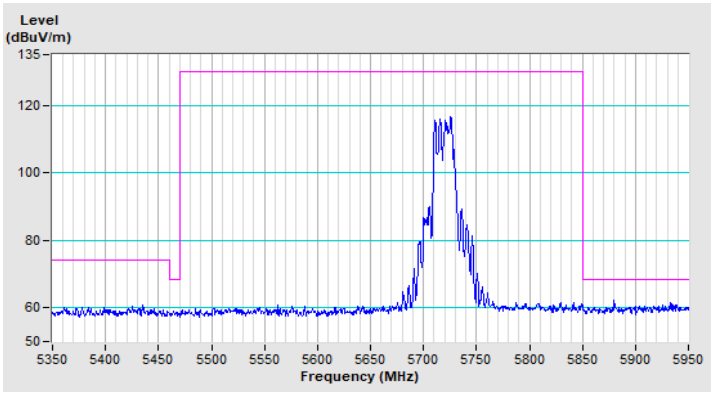
Vertical (Peak)

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

802.11be (EHT20) Channel 144



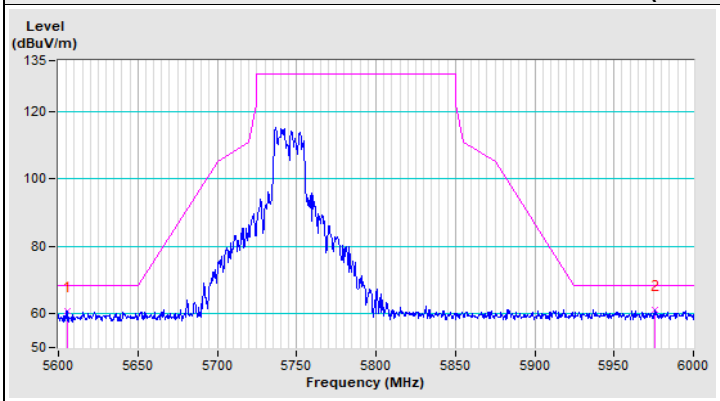
Horizontal (Peak)



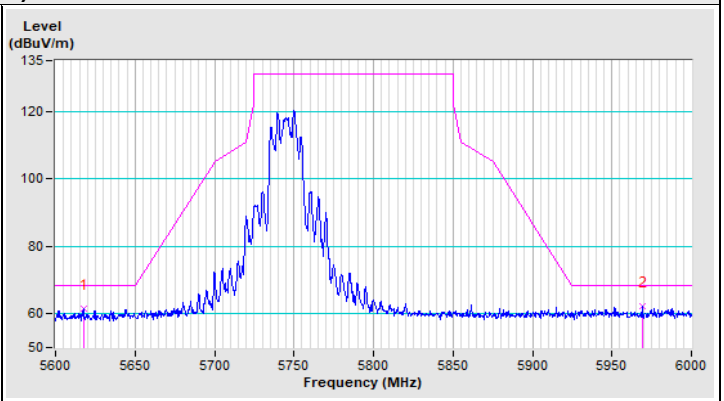
Vertical (Peak)

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

802.11be (EHT20) Channel 149

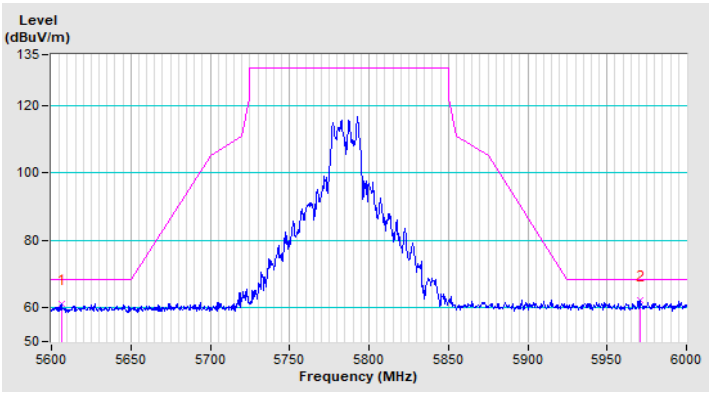


Horizontal (Peak)

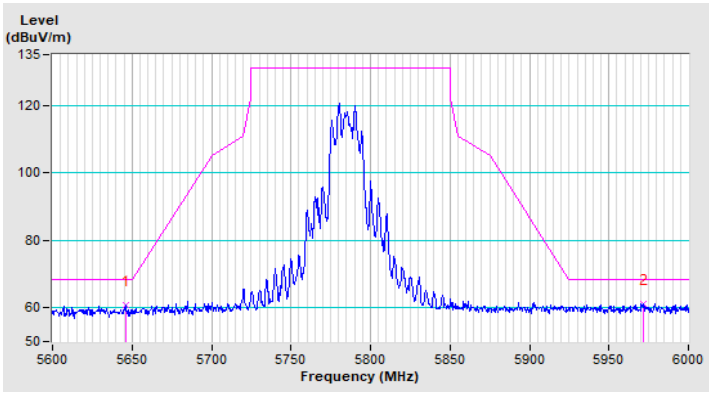


Vertical (Peak)

802.11be (EHT20) Channel 157

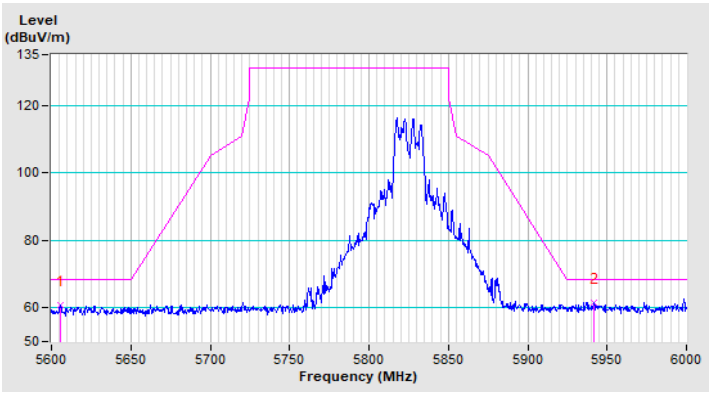


Horizontal (Peak)

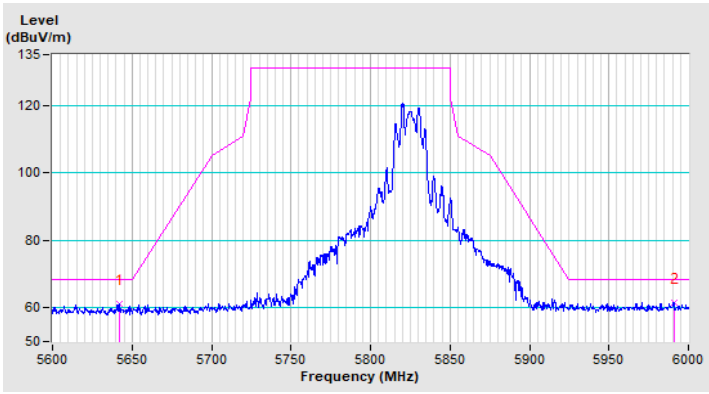


Vertical (Peak)

802.11be (EHT20) Channel 165



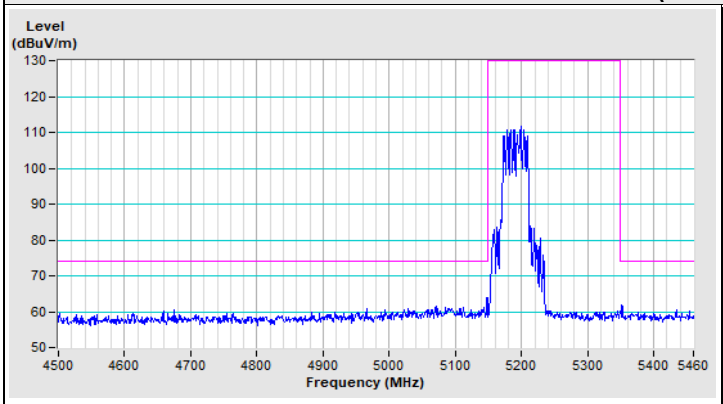
Horizontal (Peak)



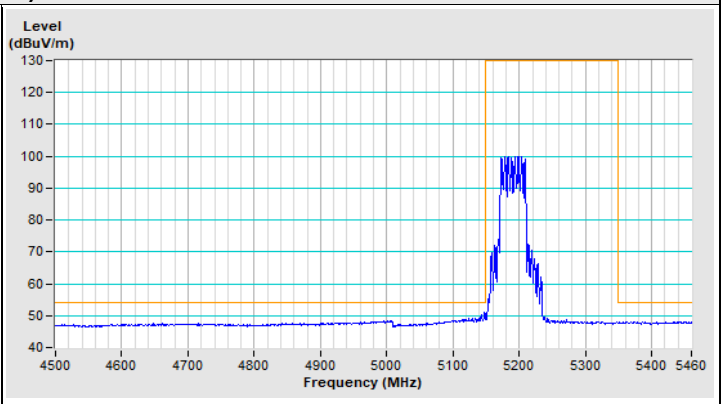
Vertical (Peak)

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

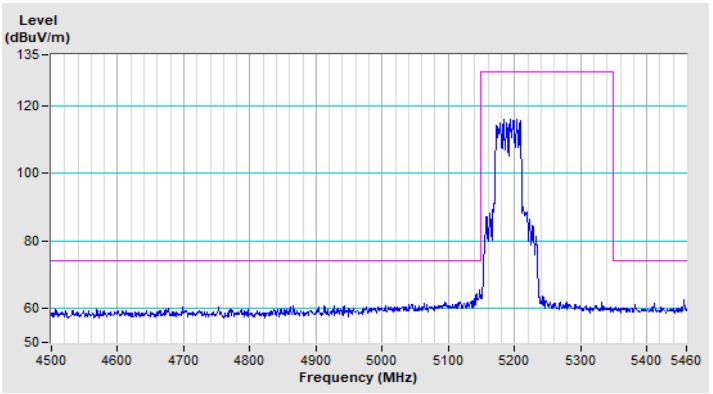
802.11be (EHT40) Channel 38



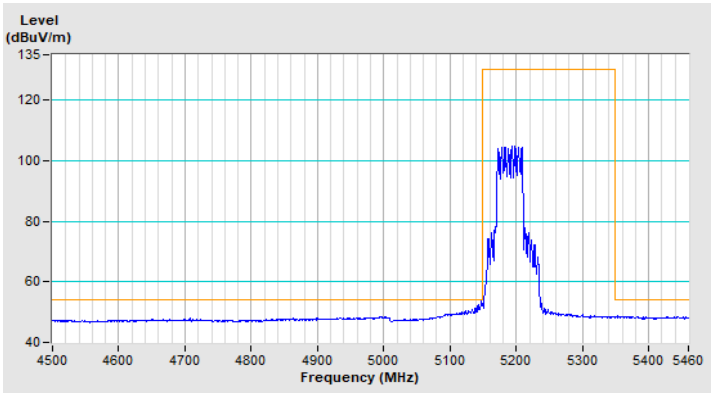
Horizontal (Peak)



Horizontal (Average)



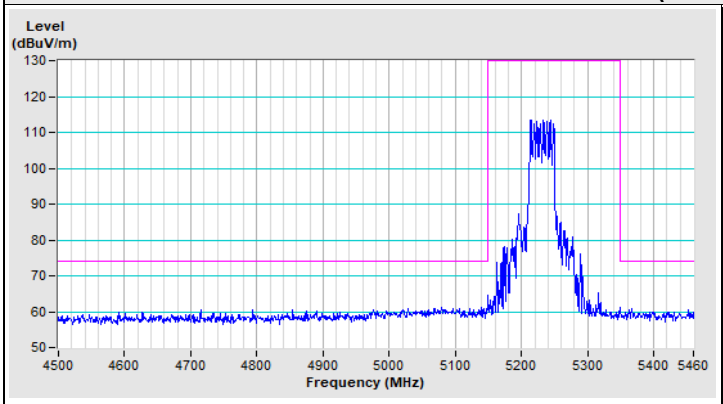
Vertical (Peak)



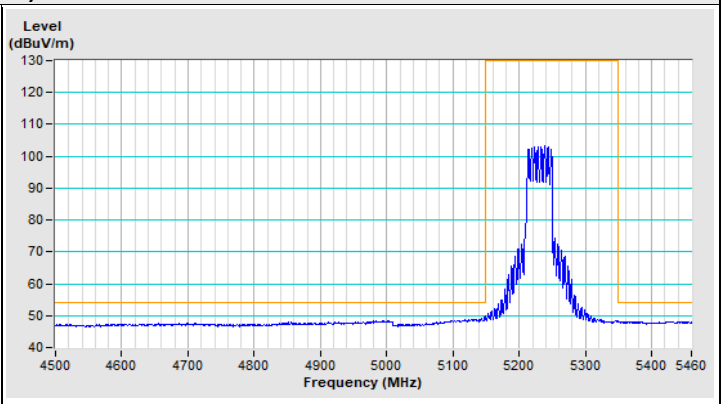
Vertical (Average)

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

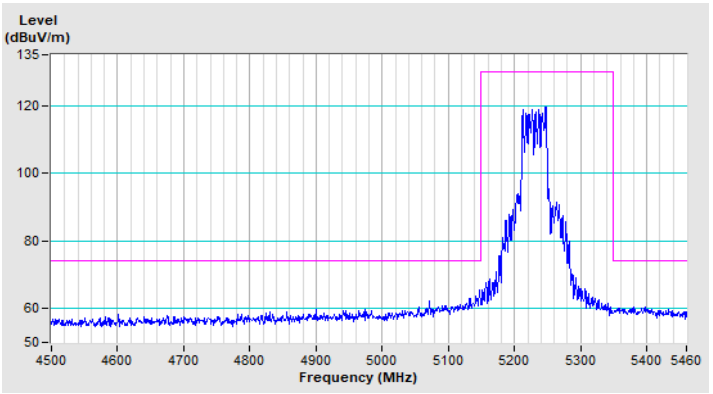
802.11be (EHT40) Channel 46



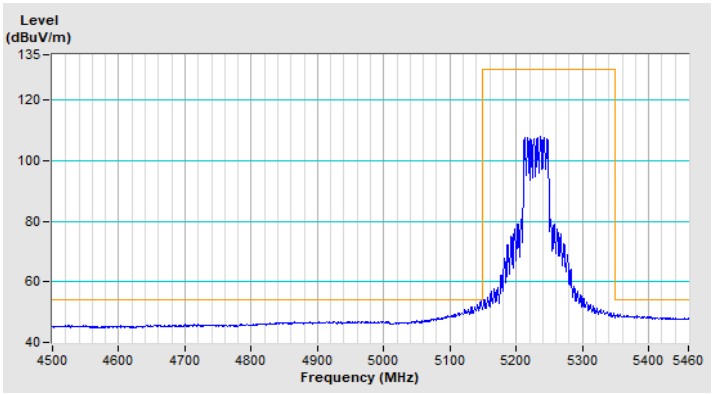
Horizontal (Peak)



Horizontal (Average)



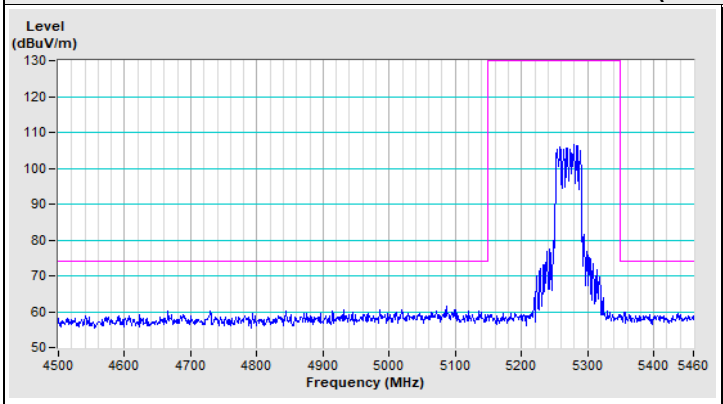
Vertical (Peak)



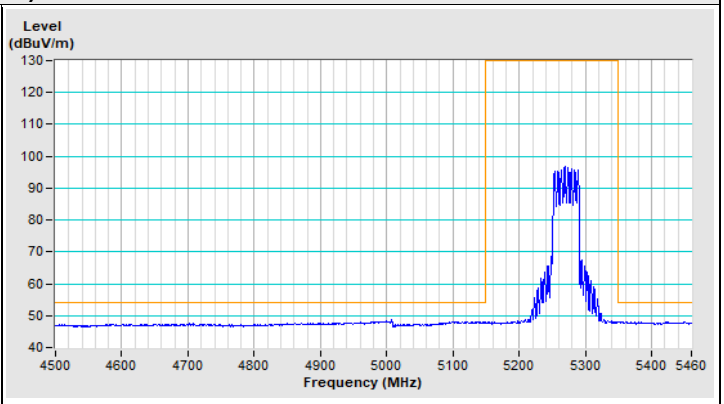
Vertical (Average)

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

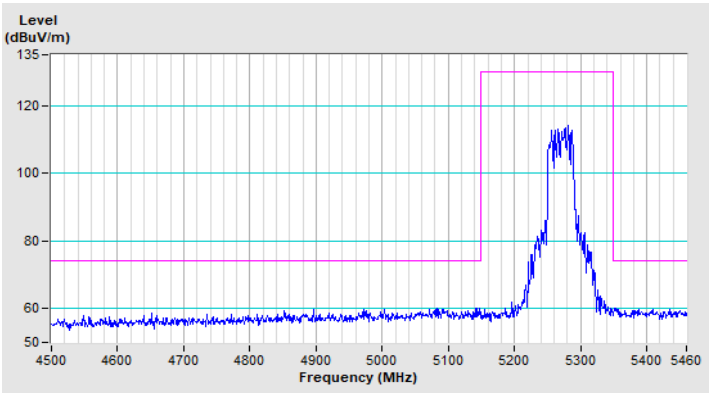
802.11be (EHT40) Channel 54



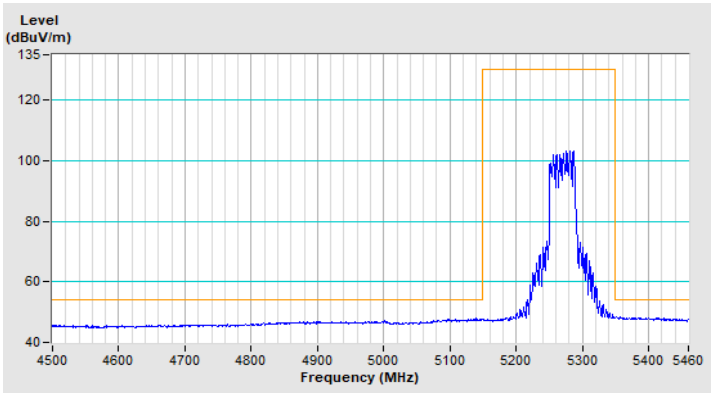
Horizontal (Peak)



Horizontal (Average)



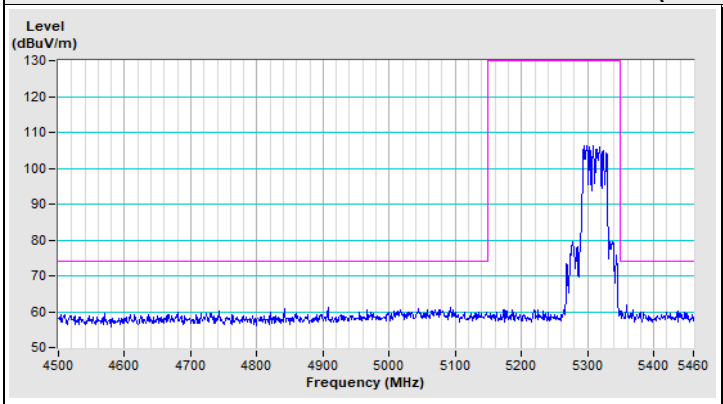
Vertical (Peak)



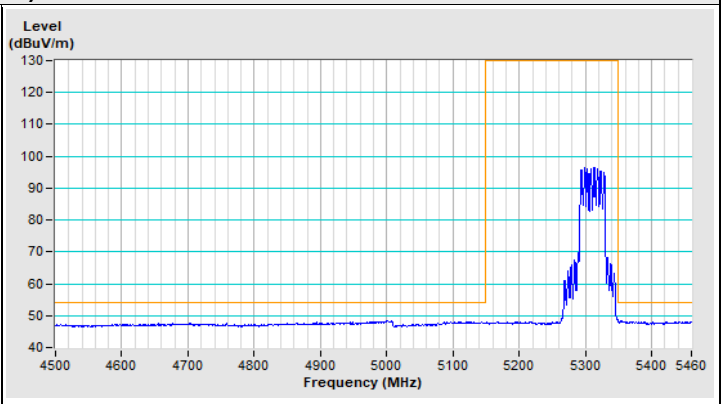
Vertical (Average)

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

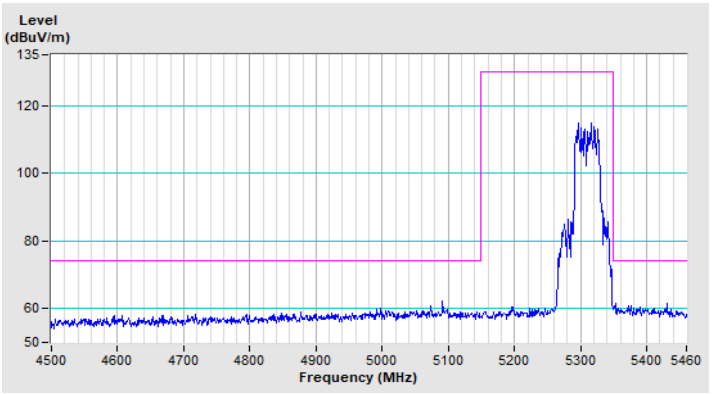
802.11be (EHT40) Channel 62



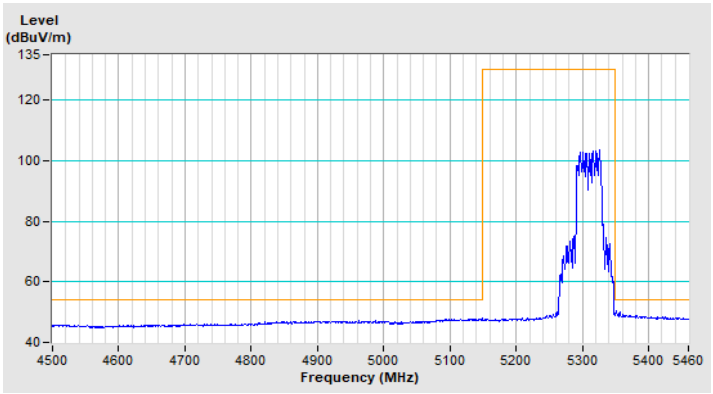
Horizontal (Peak)



Horizontal (Average)



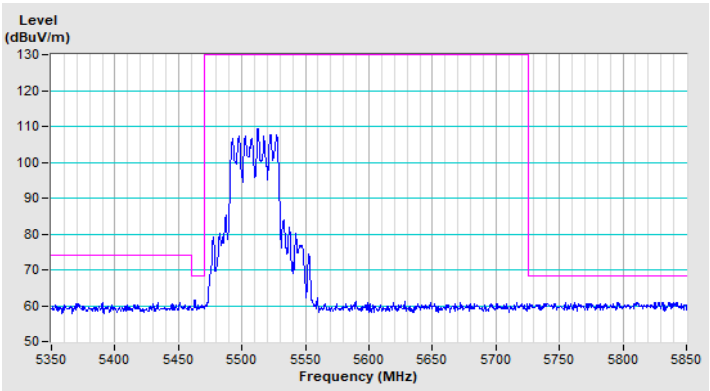
Vertical (Peak)



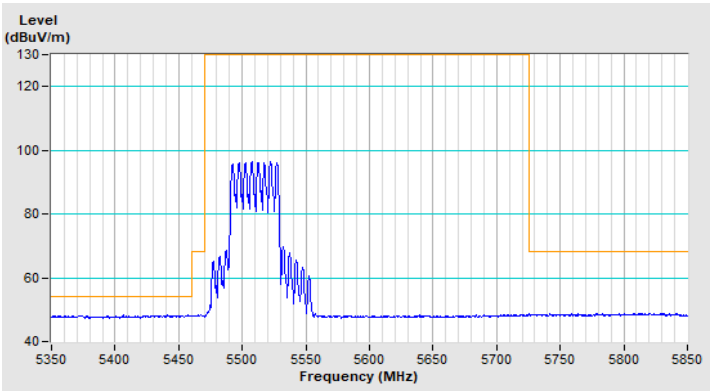
Vertical (Average)

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

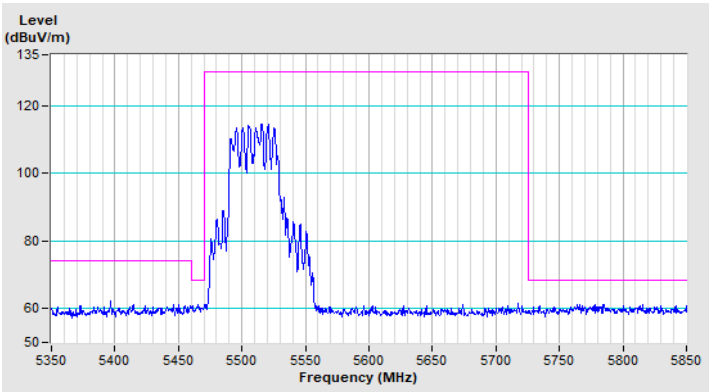
802.11be (EHT40) Channel 102



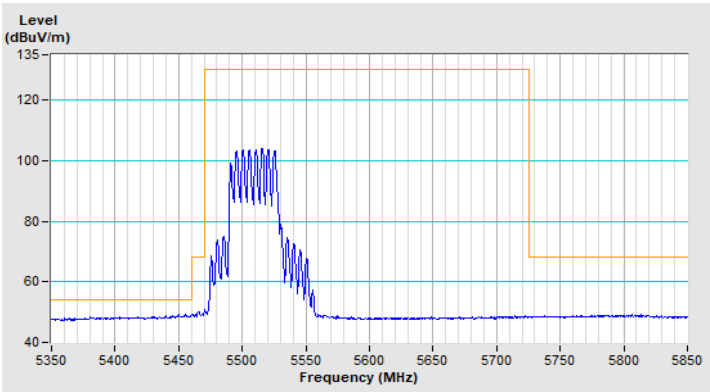
Horizontal (Peak)



Horizontal (Average)

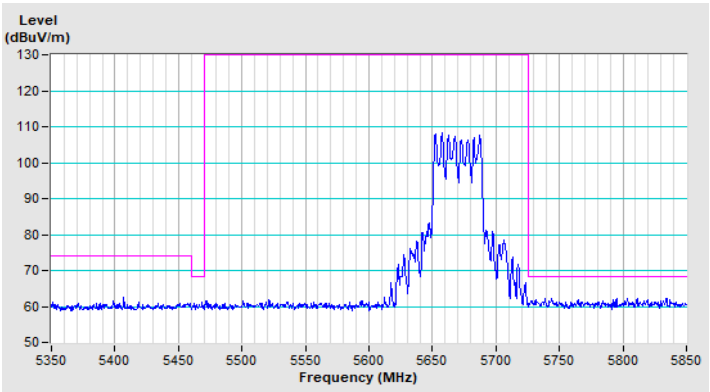


Vertical (Peak)

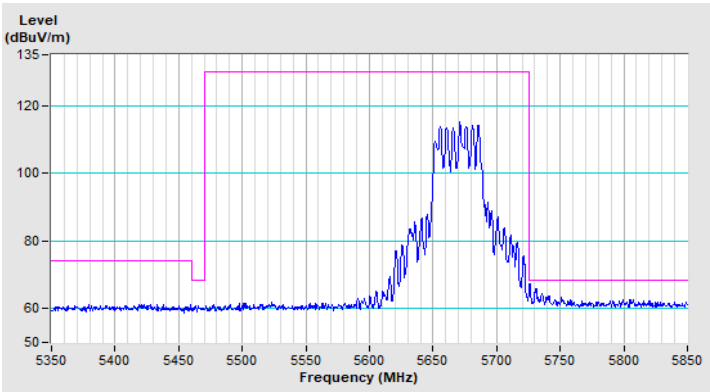


Vertical (Average)

802.11be (EHT40) Channel 134



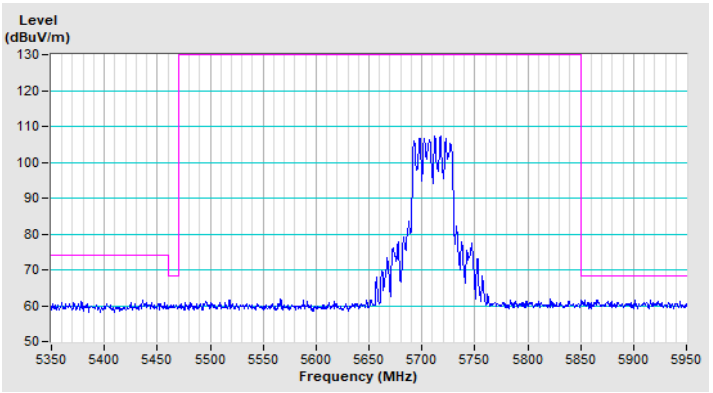
Horizontal (Peak)



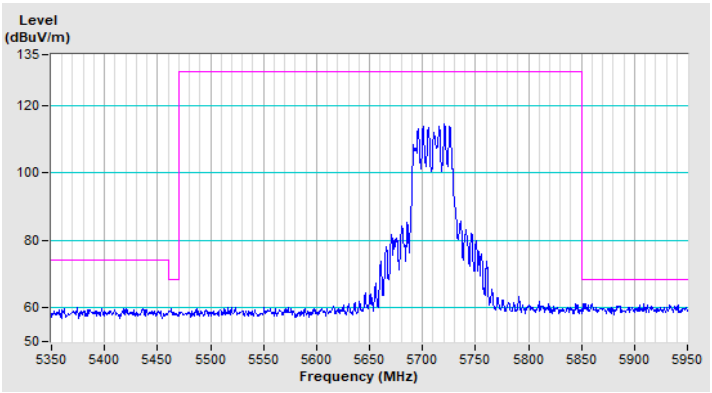
Vertical (Peak)

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

802.11be (EHT40) Channel 142



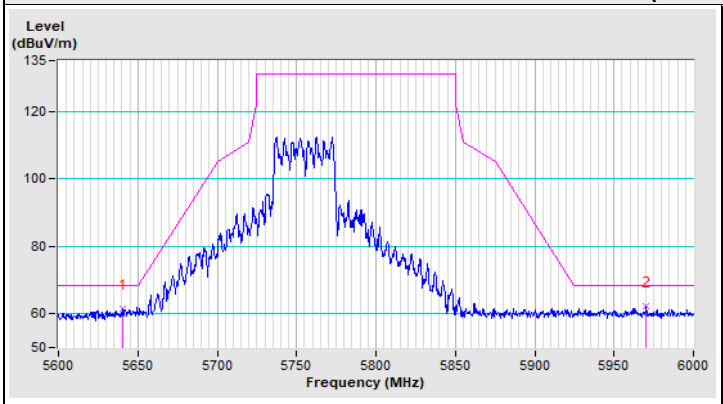
Horizontal (Peak)



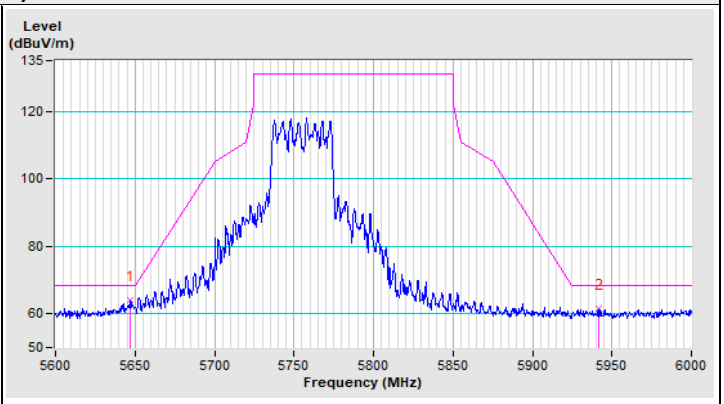
Vertical (Peak)

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

802.11be (EHT40) Channel 151

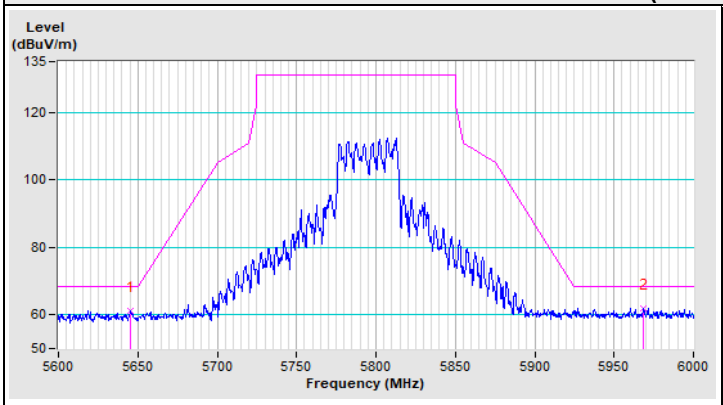


Horizontal (Peak)

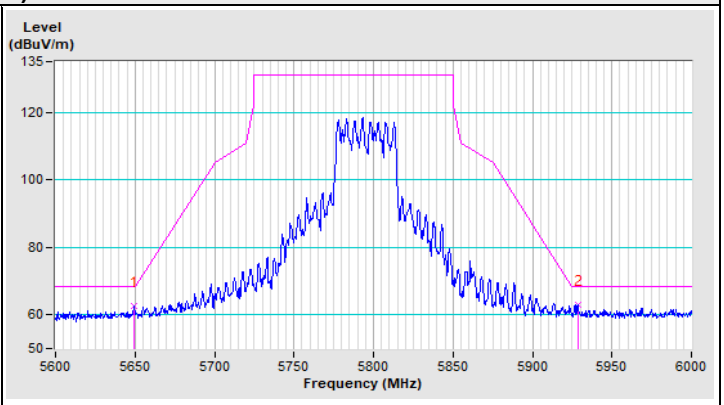


Vertical (Peak)

802.11be (EHT40) Channel 159



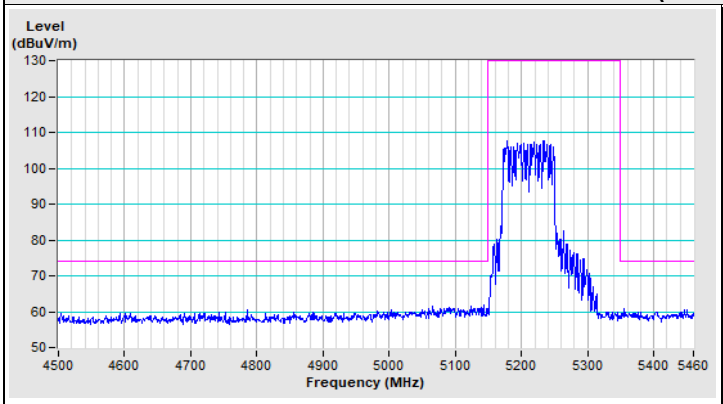
Horizontal (Peak)



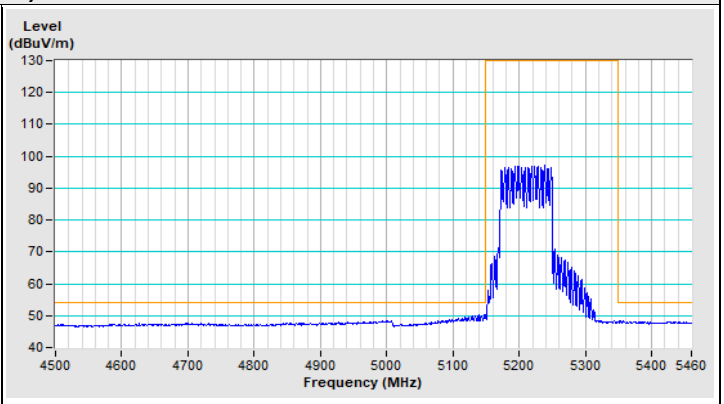
Vertical (Peak)

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

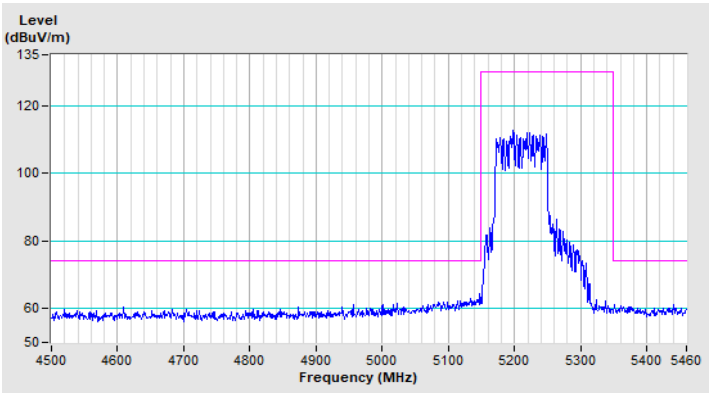
802.11be (EHT80) Channel 42



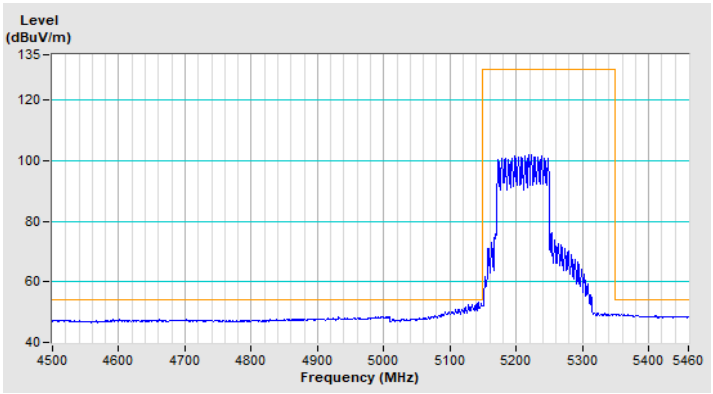
Horizontal (Peak)



Horizontal (Average)



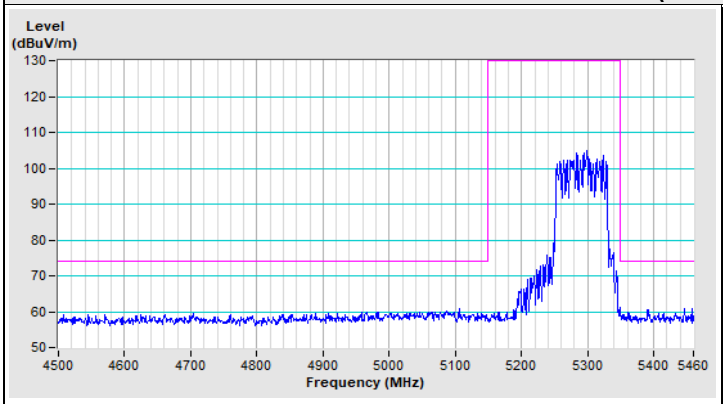
Vertical (Peak)



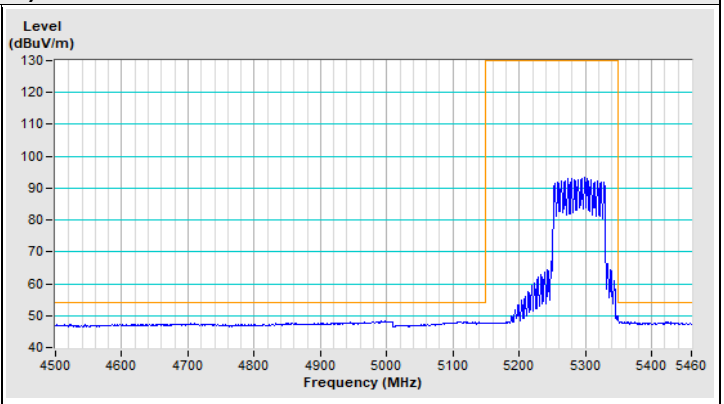
Vertical (Average)

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

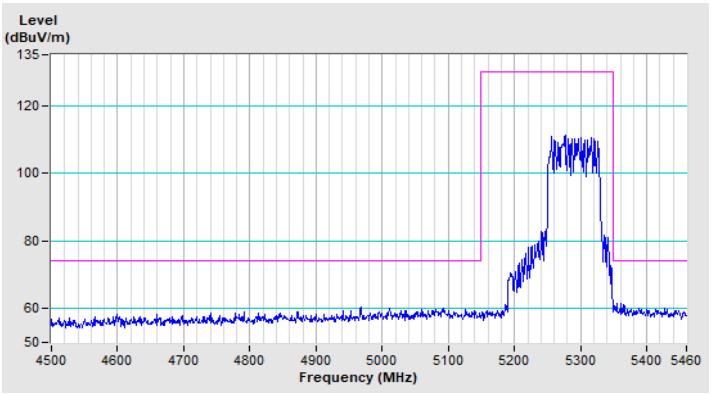
802.11be (EHT80) Channel 58



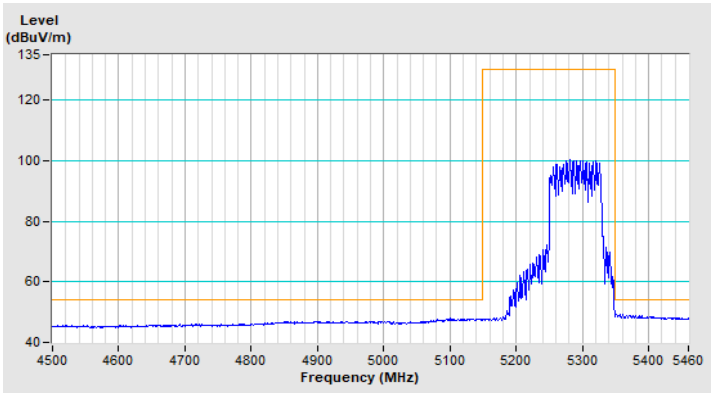
Horizontal (Peak)



Horizontal (Average)



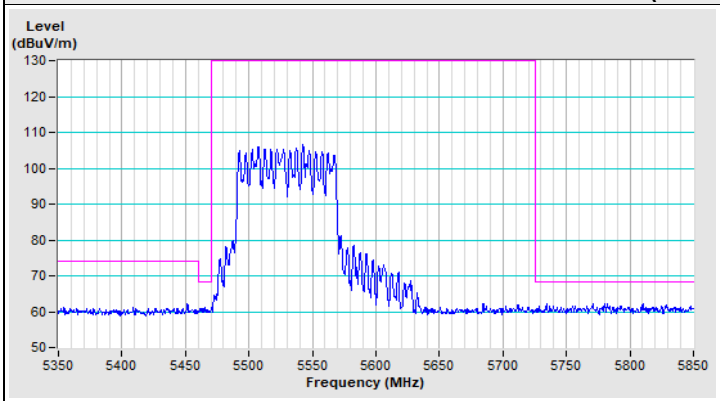
Vertical (Peak)



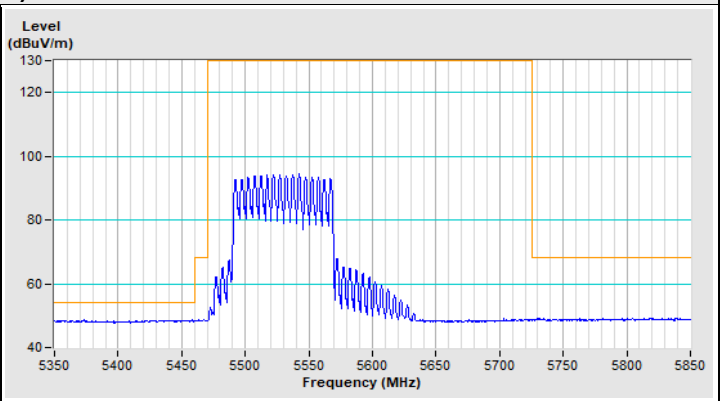
Vertical (Average)

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

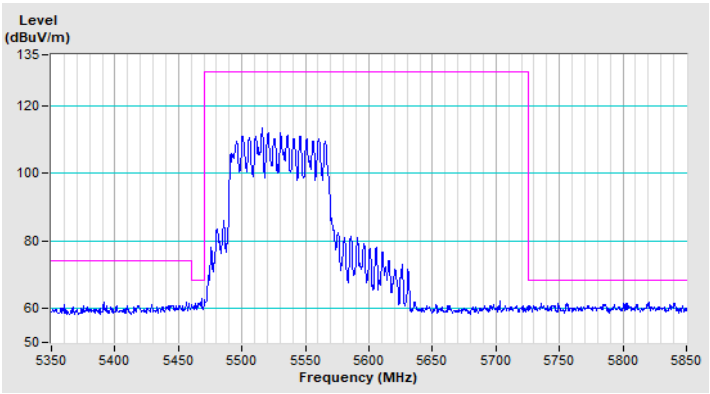
802.11be (EHT80) Channel 106



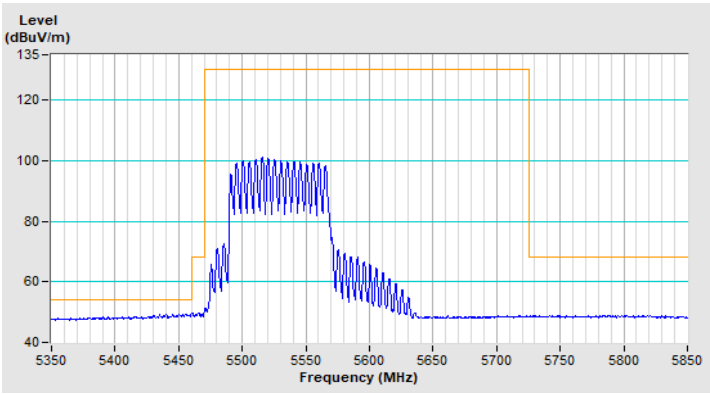
Horizontal (Peak)



Horizontal (Average)

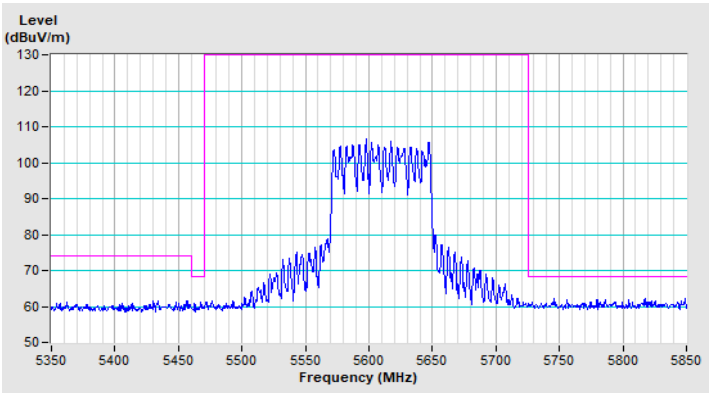


Vertical (Peak)

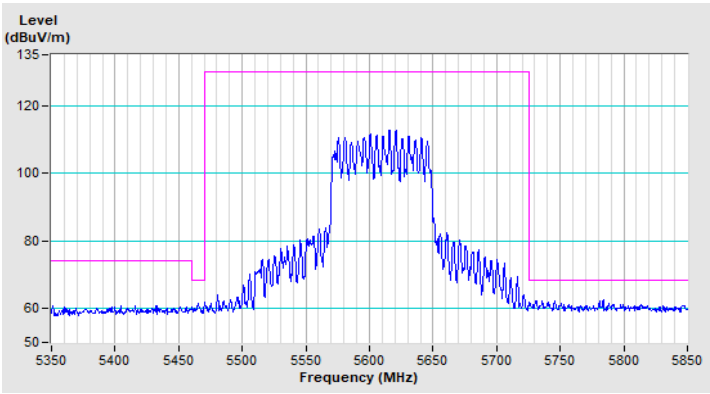


Vertical (Average)

802.11be (EHT80) Channel 122



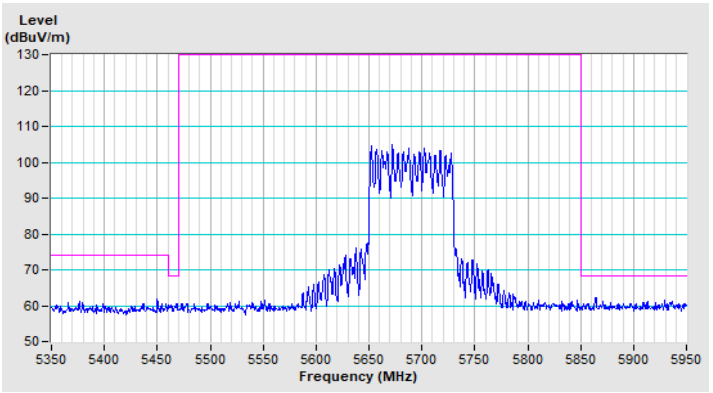
Horizontal (Peak)



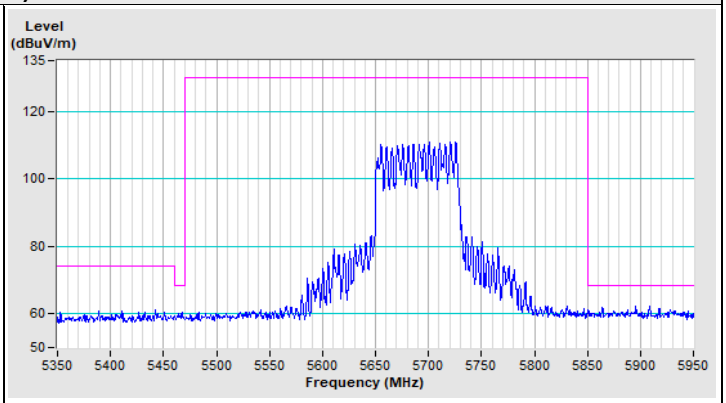
Vertical (Peak)

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

802.11be (EHT80) Channel 138



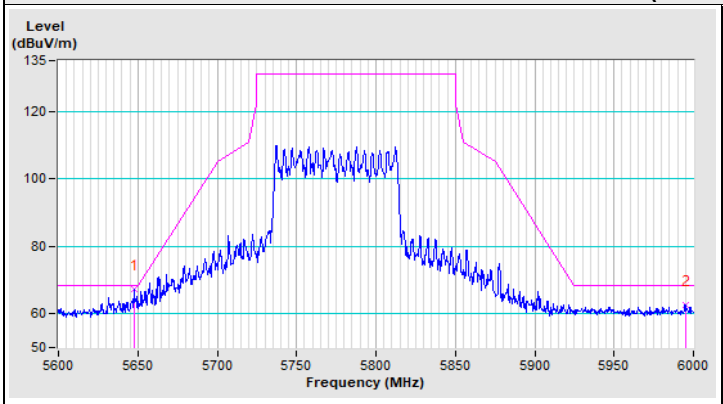
Horizontal (Peak)



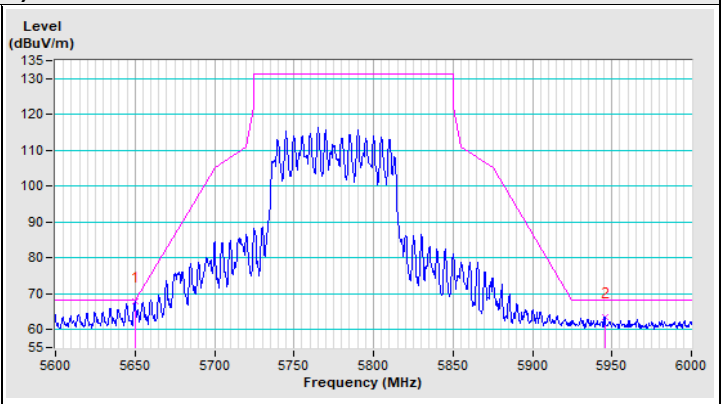
Vertical (Peak)

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

802.11be (EHT80) Channel 155



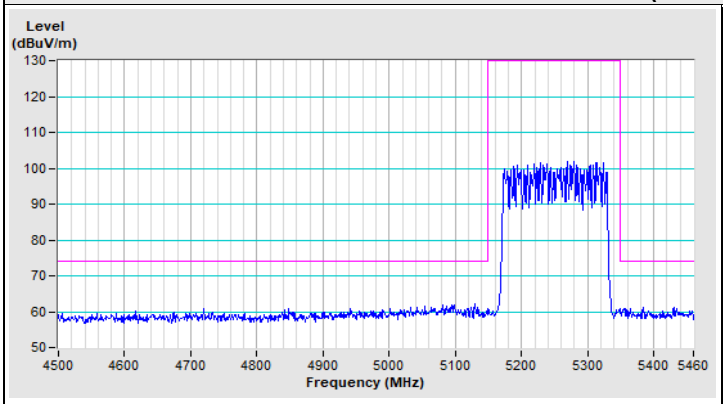
Horizontal (Peak)



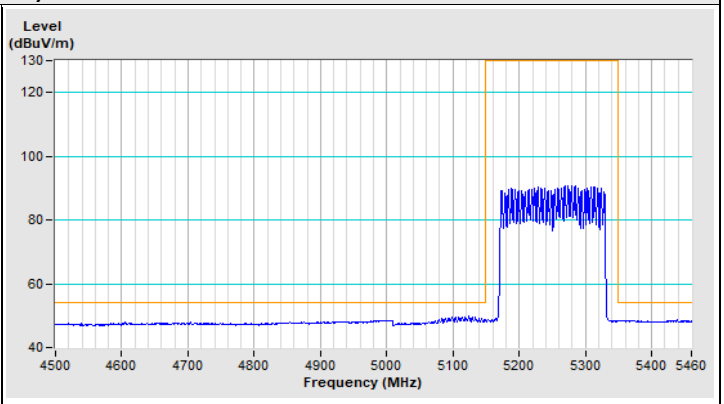
Vertical (Peak)

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

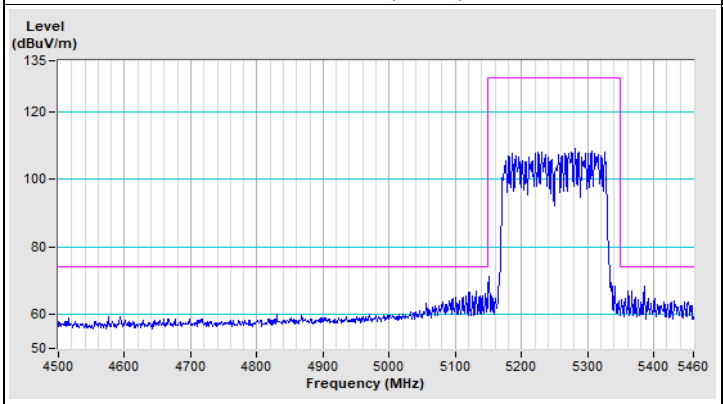
802.11be (EHT160) Channel 50



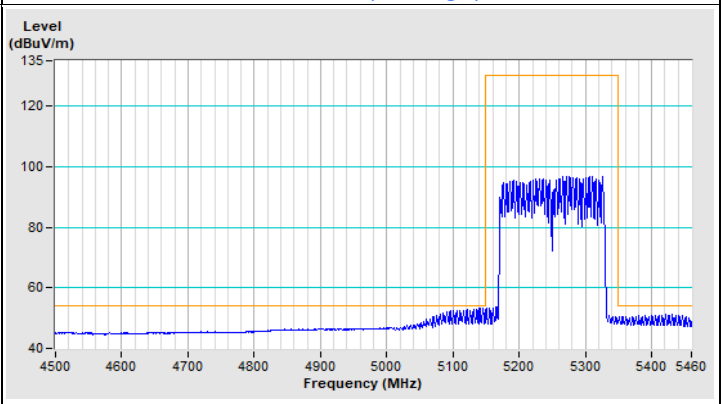
Horizontal (Peak)



Horizontal (Average)



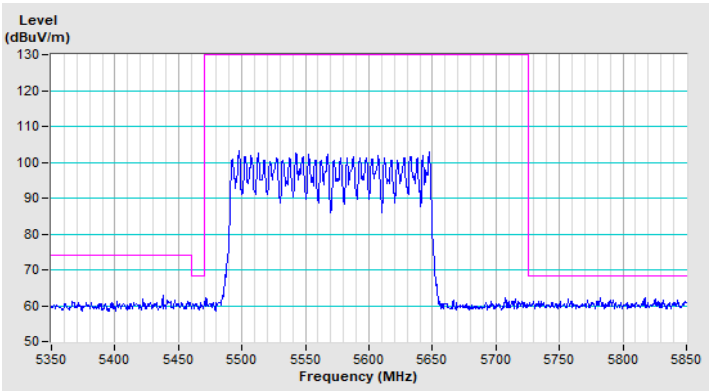
Vertical (Peak)



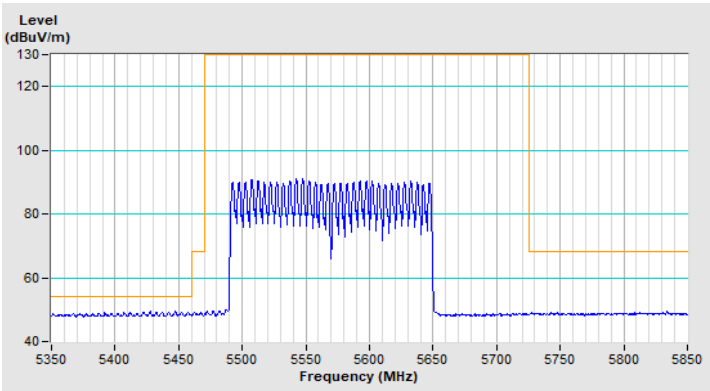
Vertical (Average)

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

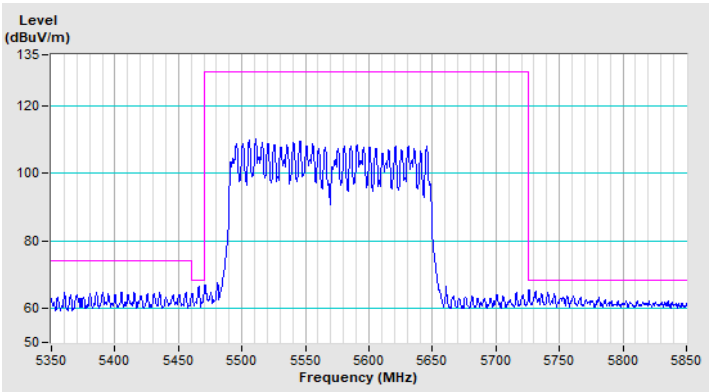
802.11be (EHT160) Channel 114



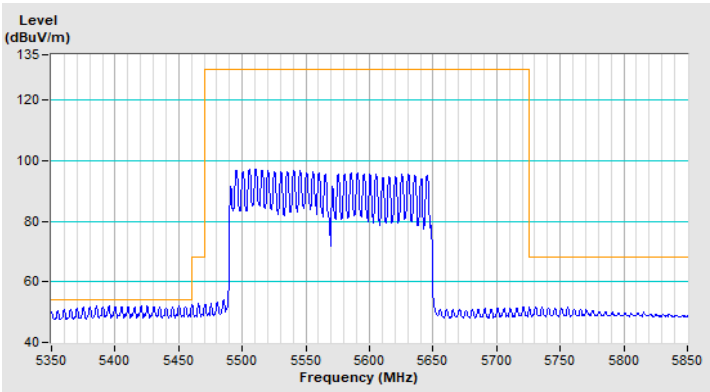
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

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:

Lin Kou EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@bureauveritas.com
Web Site: http://ee.bureauveritas.com.tw

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

--- END ---