

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBBQZ-WTW-P22110099-1

FCC ID: PY323100586

Product: BE19000 WiFi 7 Router

Brand: NETGEAR

Model No.: RS700

Received Date: 2023/2/14

Test Date: 2023/3/4 ~ 2023/5/10

Issued Date: 2023/5/24

Applicant and Manufacturer: NETGEAR, Inc.

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

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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: Jeremy Lin, **Date:** 2023/5/24
Jeremy Lin / Project Engineer

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Prepared by : Celine Chou / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P22110099-1	Original release.	2023/5/24

1 Certificate

Product: BE19000 WiFi 7 Router

Brand: NETGEAR

Test Model: RS700

Sample Status: Engineering sample

Applicant: NETGEAR, Inc.

Test Date: 2023/3/4 ~ 2023/5/10

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

Measurement ANSI C63.10-2013

procedure: KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01
KDB 662911 D03 MIMO Antenna Gain Measurement v01

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	Pass	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 -7.59 dB at 0.46814 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.8 dB at 32.81 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.99 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	BE19000 WiFi 7 Router
Brand	NETGEAR
Test Model	RS700
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 only 1024QAM for OFDMA in 11ax mode only 4096QAM for OFDMA in 11be EHT mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 600 Mbps 802.11ac: up to 3466.7 Mbps 802.11ax: up to 4803.9 Mbps 802.11be: up to 5764.8 Mbps
Operating Frequency	5180 ~ 5320 MHz 5500 ~ 5720 MHz 5475 ~ 5825 MHz
Number of Channel	5180 ~ 5320 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 4 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 2 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 1 5500 ~ 5720 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 6 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 3 802.11ac (VHT160), 802.11ax (HE160), 802.11 be (EHT160): 1 5745 ~ 5825 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11 be (EHT40): 2 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 1
Output Power	CDD Mode: 5180 ~ 5320 MHz : 29.38 dBm (867.769 mW) 5500 ~ 5720 MHz : 23.38 dBm (217.921 mW) 5745 ~ 5825 MHz : 29.34 dBm (859.238 mW) Beamforming Mode: 5180 ~ 5320 MHz : 29.29 dBm (849.953 mW) 5500 ~ 5720 MHz : 23.36 dBm (217.008 mW) 5745 ~ 5825 MHz : 29.34 dBm (859.238 mW)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Part Number	Specification
Adapter 1	NETGEAR	AD200F10	332-11480-02	AC Input : 100-120 Vac, 50/60 Hz, 1.7 A DC Output : 19 Vdc, 3.16 A, 60 W DC Output Cable : 1.8 m non-shielded and without core
Adapter 2	NETGEAR	2AEC060K 1	332-11578-01	AC Input : 100-120 Vac, 50/60 Hz, 1.7 A DC Output : 19 Vdc, 3.16 A, 60 W DC Output Cable : 1.8 m non-shielded and without core
Ethernet Cable	NETGEAR	312-10147-01	-	2m non-shielded and without core

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 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	6.06
5150~5250 MHz	5.99
5250~5350 MHz	6.05
5470~5725 MHz	6.03
5725~5850 MHz	6.06

* The detailed antenna information, please refer to the BV CPS report no.: RFBBQZ-WTW-P22110099-6.

2. The EUT incorporates a MIMO function:

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

Note:

- 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.
- 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 more lower than it and investigated worst case to representative mode in test report.
- For 802.11ax and 802.11be, the EUT not support Partial RU.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

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 channels 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:	EUT can be used in the following ways: XYZ 3-axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	X / Y / Z Worst Condition: Z Axis.

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

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
AC Power Conducted Emissions	A, B	802.11a	CDD	40	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B	802.11a	CDD	40	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	B	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)		42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)		50, 114	BPSK	MCS0
EUT Configure Mode:	A	EUT powered by adapter 1				
	B	EUT powered by adapter 2				

3.5 Duty Cycle of Test Signal

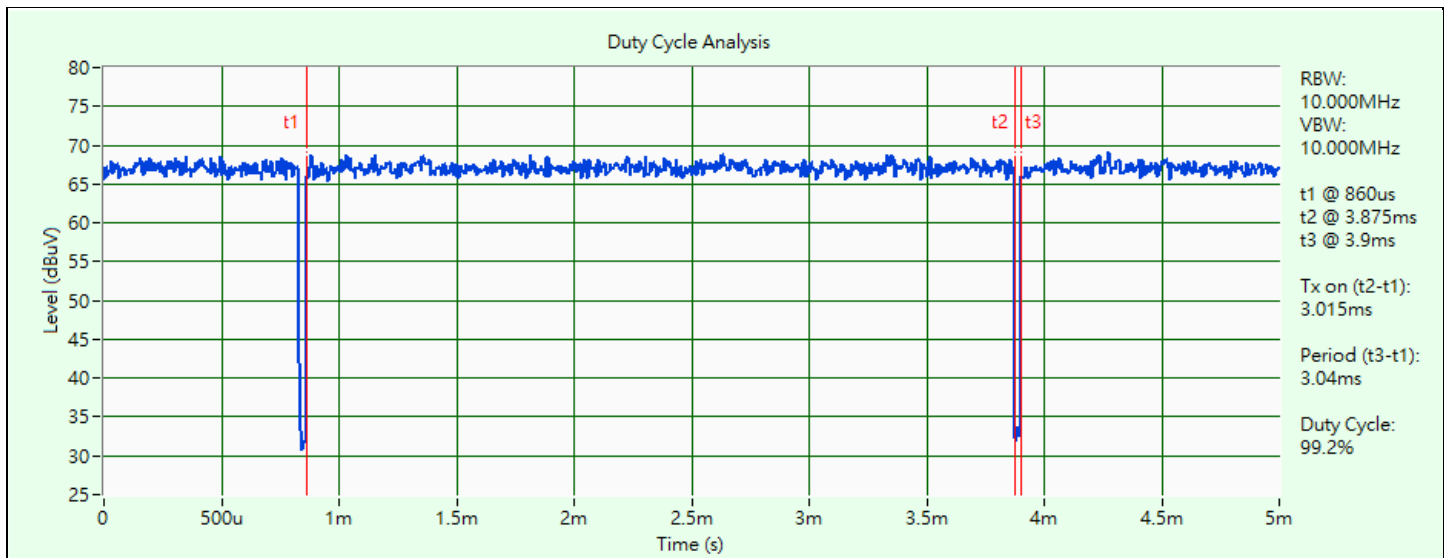
802.11a: Duty cycle = 3.015 ms / 3.04 ms x 100% = 99.2%

802.11be (EHT20): Duty cycle = 2.875 ms / 2.895 ms x 100% = 99.3%

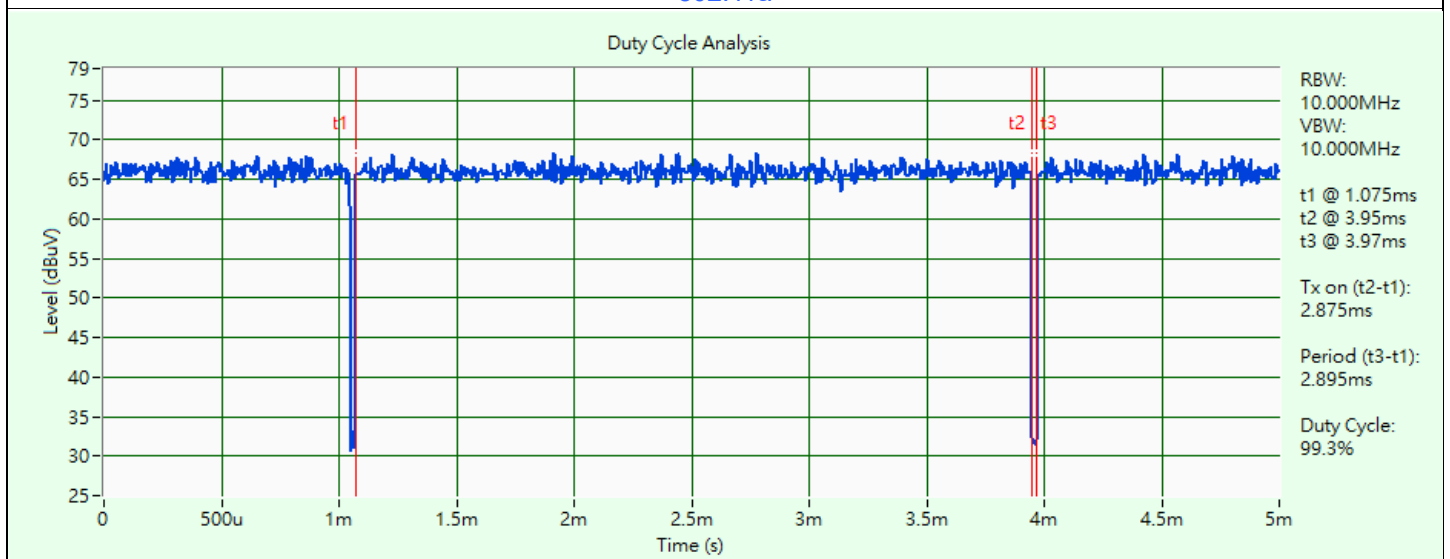
802.11be (EHT40): Duty cycle = 2.855 ms / 2.875 ms x 100% = 99.3%

802.11be (EHT80): Duty cycle = 2.845 ms / 2.865 ms x 100% = 99.3%

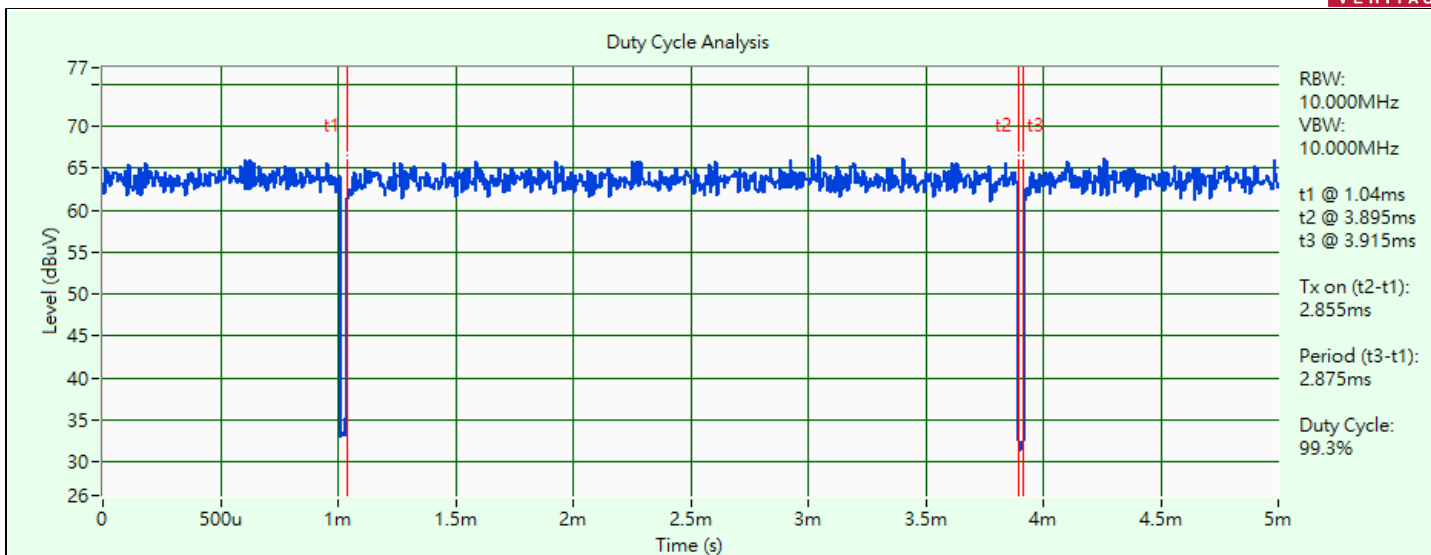
802.11be (EHT160): Duty cycle = 2.845 ms / 2.87 ms x 100% = 99.1%



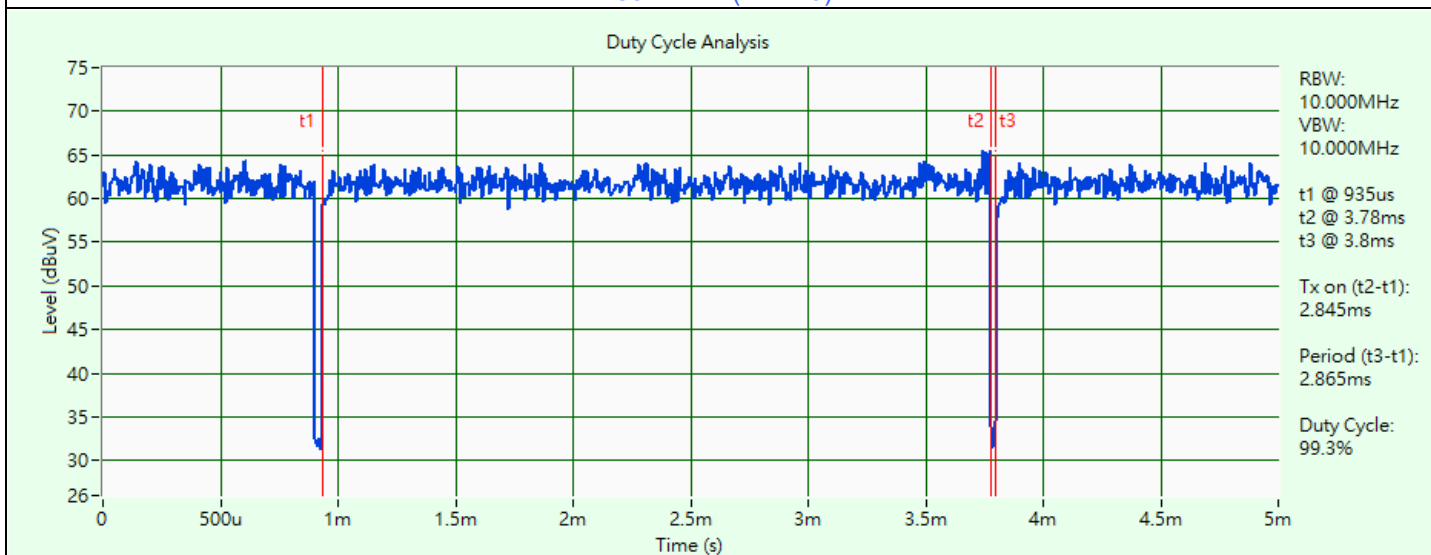
802.11a



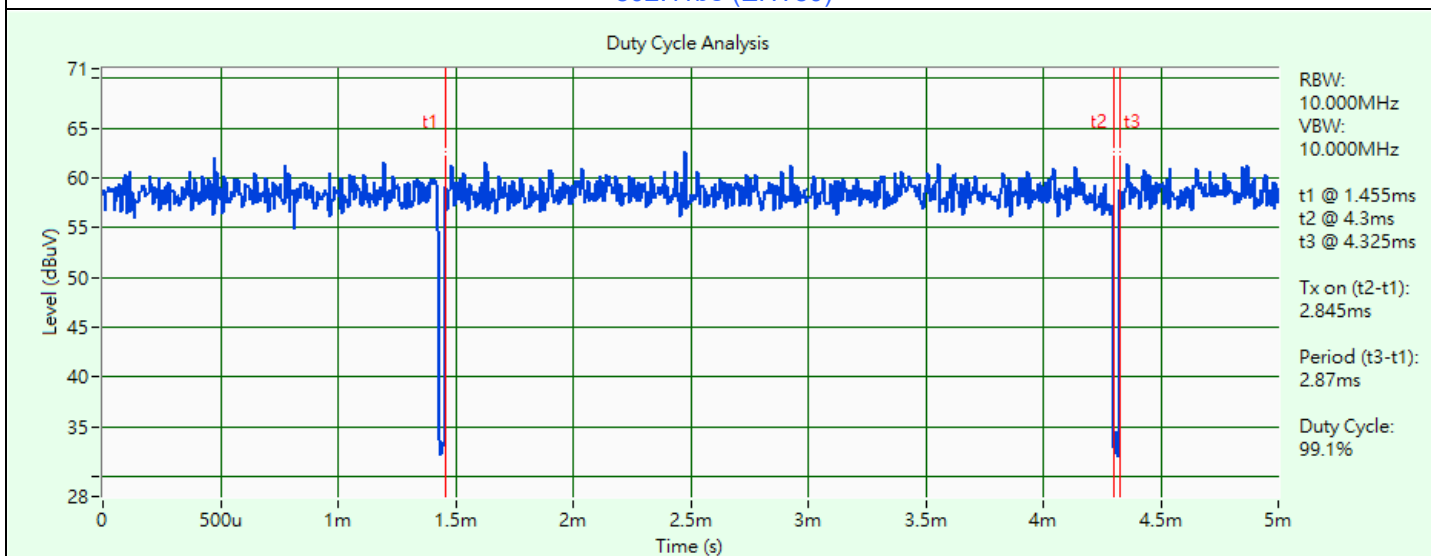
802.11be (EHT20)



802.11be (EHT40)



802.11be (EHT80)

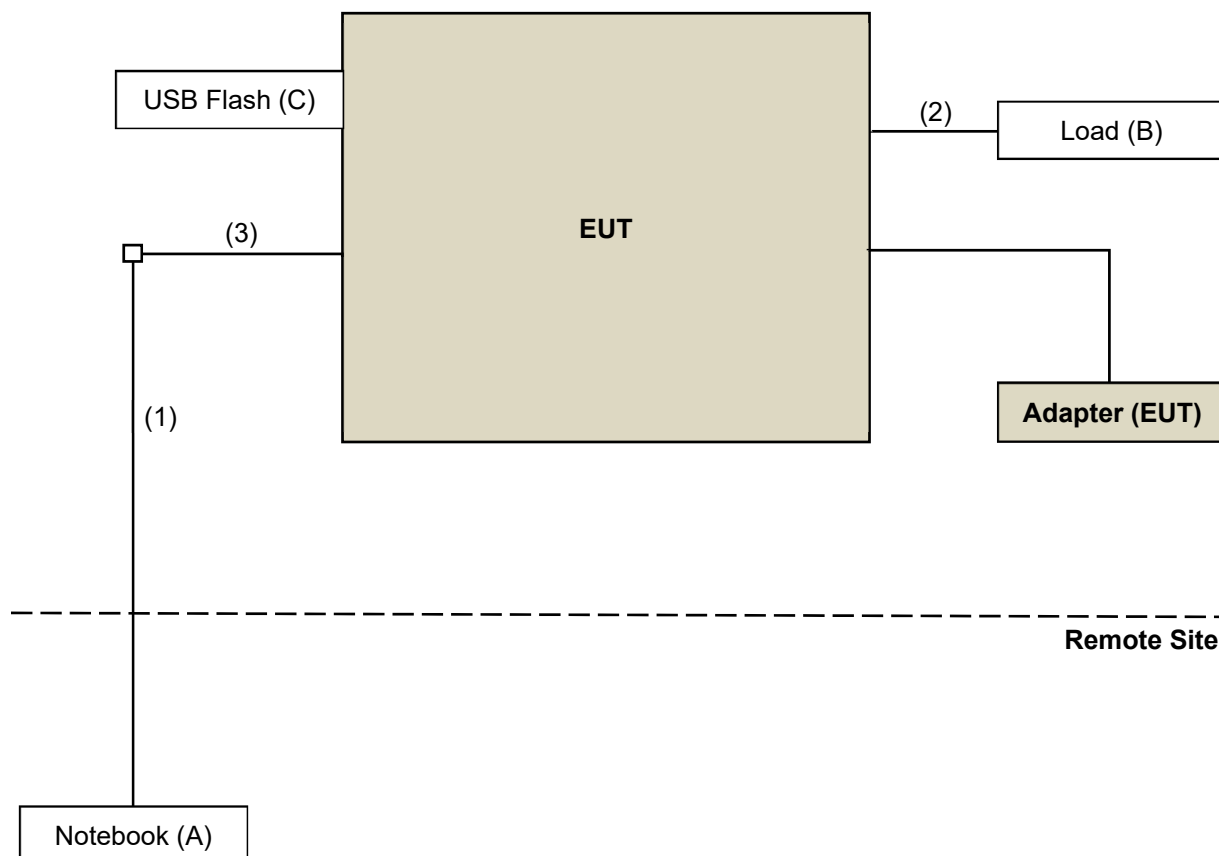


802.11be (EHT160)

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	Notebook	DELL	E5430	2RL3YW1	N/A	Provided by Lab
B	Load	N/A	N/A	N/A	N/A	Provided by Lab
C	USB Flash	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	LAN Cable	1	10	N	N	Provided by Lab
2	LAN Cable	4	1.5	N	N	Provided by Lab
3	Ethernet Cable	1	2.0	N	N	Accessory of EUT

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 and spectrum analyzer R&S	FSV3044	101105	2023/2/22	2024/2/21
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/4/20

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal and spectrum analyzer R&S	FSV3044	101105	2023/2/22	2024/2/21
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	2022/7/13	2023/7/12

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/4/20

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get 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	87-III	70360742	2022/6/23	2023/6/22
Signal and spectrum analyzer R&S	FSV3044	101105	2023/2/22	2024/2/21
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/4/20

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
LISN R&S	ESH3-Z5	100311	2022/9/12	2023/9/11
LISN ROHDE & SCHWARZ	ENV216	101826	2023/3/23	2024/3/22
RF Coaxial Cable WOKEN	5D-FB	Cable-cond1-01	2023/1/7	2024/1/6
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
Test Receiver Rohde&Schwarz	ESCI	100613	2022/12/5	2023/12/4
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2022/8/31	2023/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2023/4/25 ~ 2023/5/5

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 Schwarbeck	VULB9168	9168-155	2022/10/21	2023/10/20
Loop Antenna EMCI	EM-6879	269	2022/9/19	2023/9/18
Loop Antenna TESEQ	HLA 6121	45745	2022/7/27	2023/7/26
Pre-amplifier EMCI	EMC001340	980201	2022/9/23	2023/9/22
Pre_Amplifier Agilent	8447D	2944A10631	2022/5/14	2023/5/13
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/1/7	2024/1/6
RF Coaxial Cable WOKEN	8D-FB	Cable-CH4-01	2022/7/9	2023/7/8
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
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: 2023/5/5

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
Horn Antenna Schwarzbeck	9120D	9120D-408	2022/11/13	2023/11/12
	BBHA 9170	9170-480	2022/11/13	2023/11/12
		BBHA9170241	2022/10/20	2023/10/19
		BBHA9170243	2022/11/13	2023/11/12
Pre-Amplifier EMCI	EMC 184045	980116	2022/10/1	2023/9/30
Pre_Amplifier KEYSIGHT	83017A	MY53270295	2022/5/14	2023/5/13
RF cable HUBER+SUHNER	Sucoflex 104	MY 13380+295012/04	2022/5/14	2023/5/13
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2022/7/9	2023/7/8
	EMC102-KM-KM-3000	150929	2022/7/9	2023/7/8
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2022/5/14	2023/5/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
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: 2023/3/4 ~ 2023/5/10

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 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: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	PK: 122.2 (dBμV/m) ^{*4}

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

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

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

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

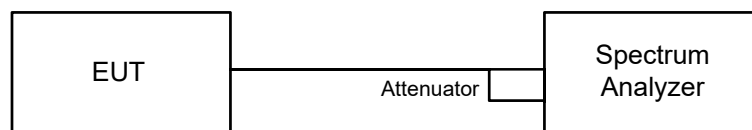
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

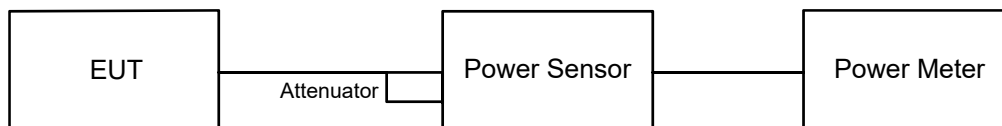


6.1.2 Test Procedure

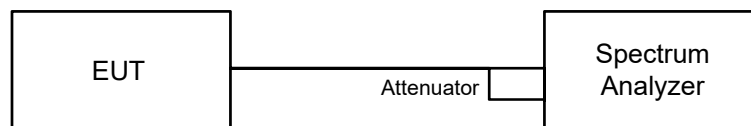
- a. Set RBW = approximately 1% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat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

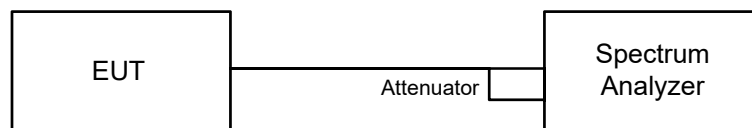
Method SA-1

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

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

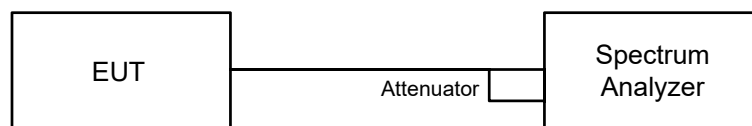
For specified measurement bandwidth 500 kHz:

Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

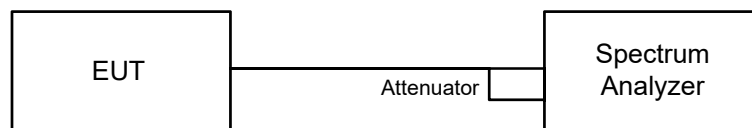


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

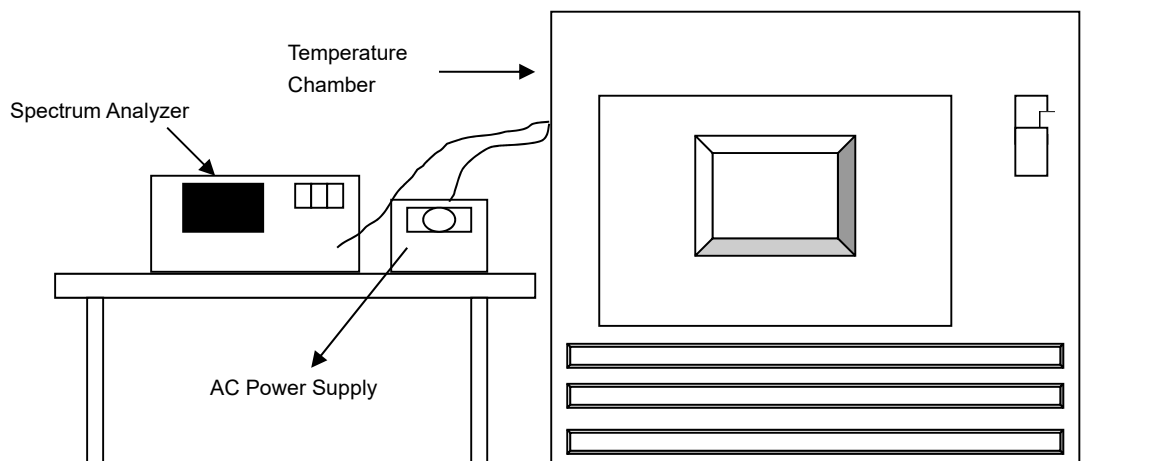


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

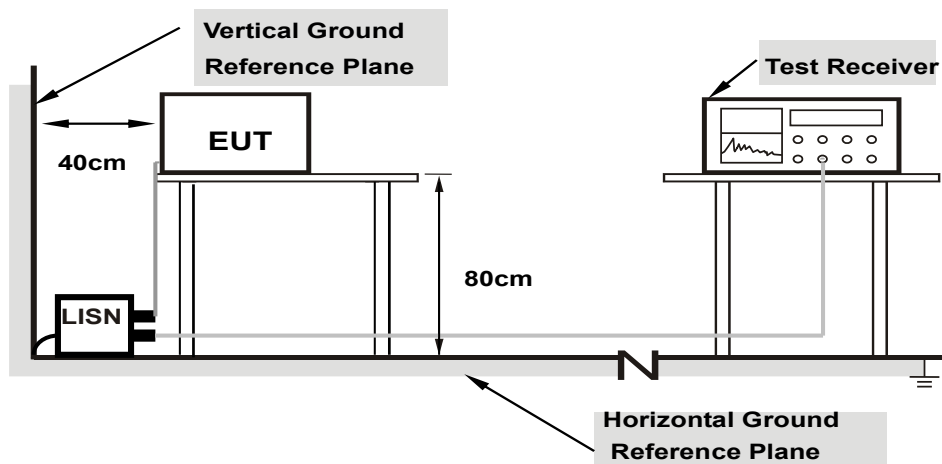


6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- 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.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- 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

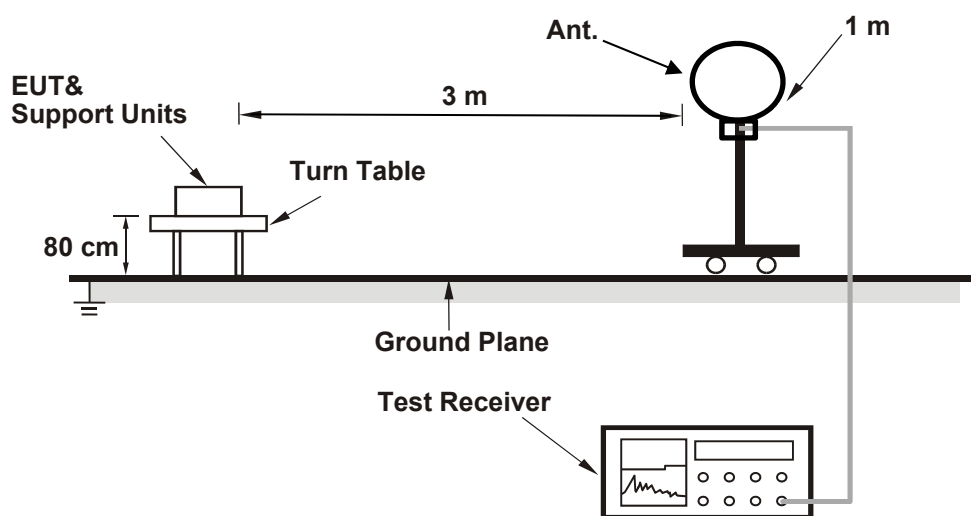
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

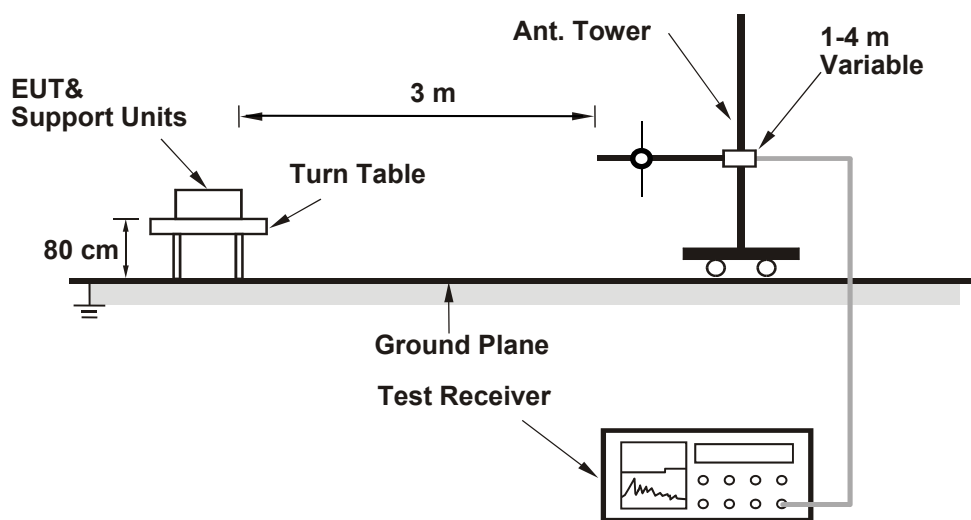
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

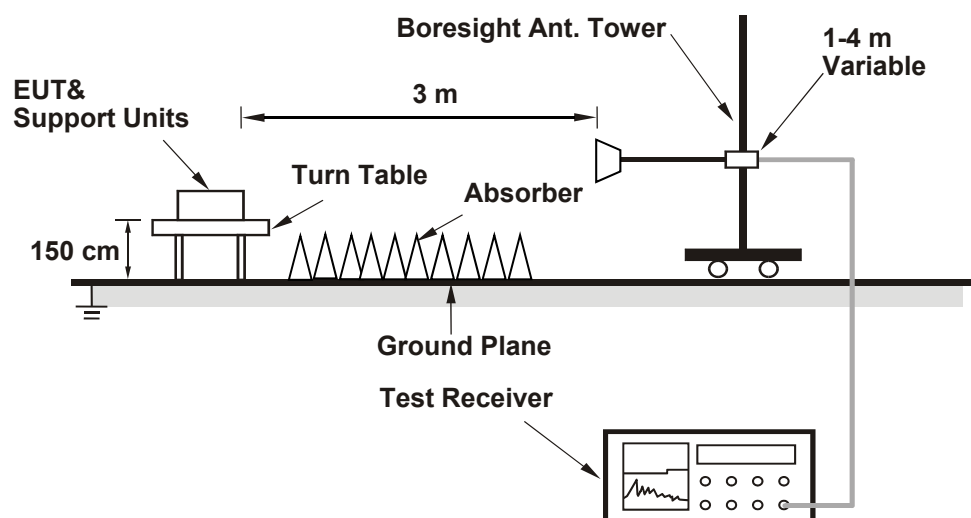
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	22.23	21.87	21.94	23.17
60	5300	22.04	21.85	21.96	22.00
64	5320	25.69	23.21	24.63	24.46
100	5500	27.24	28.01	25.67	25.06
116	5580	21.81	21.94	21.93	22.00
140	5700	22.01	21.81	21.93	21.85
144 (U-NII-2C)	5720	15.92	15.95	15.89	15.94
144 (U-NII-3)	5720	6.03	5.96	5.95	5.91

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.87	24.39 > 24
60	5300	21.85	24.39 > 24
64	5320	23.21	24.65 > 24
100	5500	25.06	24.98 > 24
116	5580	21.81	24.38 > 24
140	5700	21.81	24.38 > 24
144 (U-NII-2C)	5720	15.89	23.01 < 24

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

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	22.02	22.09	22.22	22.10
60	5300	22.13	22.07	22.16	22.07
64	5320	27.08	34.25	27.05	32.75
100	5500	25.92	27.92	25.42	27.48
116	5580	21.98	21.90	22.09	22.01
140	5700	22.00	22.05	22.01	22.01
144 (U-NII-2C)	5720	15.95	16.10	16.02	15.96
144 (U-NII-3)	5720	5.96	6.04	6.09	5.98

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	22.02	24.42 > 24
60	5300	22.07	24.43 > 24
64	5320	27.05	25.32 > 24
100	5500	25.42	25.05 > 24
116	5580	21.90	24.4 > 24
140	5700	22.00	24.42 > 24
144 (U-NII-2C)	5720	15.95	23.02 < 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	42.11	41.94	42.04	41.89
62	5310	45.38	53.84	49.82	44.17
102	5510	44.08	47.52	44.00	48.51
110	5550	41.75	42.19	42.10	42.06
134	5670	42.08	42.06	42.00	41.91
142 (U-NII-2C)	5710	36.05	36.12	35.97	36.17
142 (U-NII-3)	5710	5.88	5.97	5.87	6.12

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	41.89	27.22 > 24
62	5310	44.17	27.45 > 24
102	5510	44.00	27.43 > 24
110	5550	41.75	27.2 > 24
134	5670	41.91	27.22 > 24
142 (U-NII-2C)	5710	35.97	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	87.48	84.57	86.50	87.22
106	5530	83.75	85.56	84.97	84.96
122	5610	82.87	82.83	83.02	82.82
138 (U-NII-2C)	5690	76.54	76.33	76.51	76.54
138 (U-NII-3)	5690	6.46	6.42	6.54	6.63

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	84.57	30.27 > 24
106	5530	83.75	30.22 > 24
122	5610	82.82	30.18 > 24
138 (U-NII-2C)	5690	76.33	29.82 > 24

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

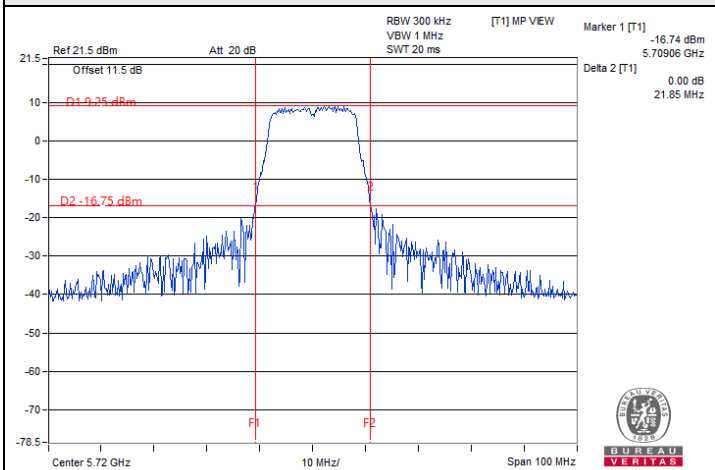
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	84.05	84.14	84.09	84.05
50 (U-NII-2A)	5250	83.60	84.04	84.08	83.94
114	5570	168.11	168.35	168.47	168.46

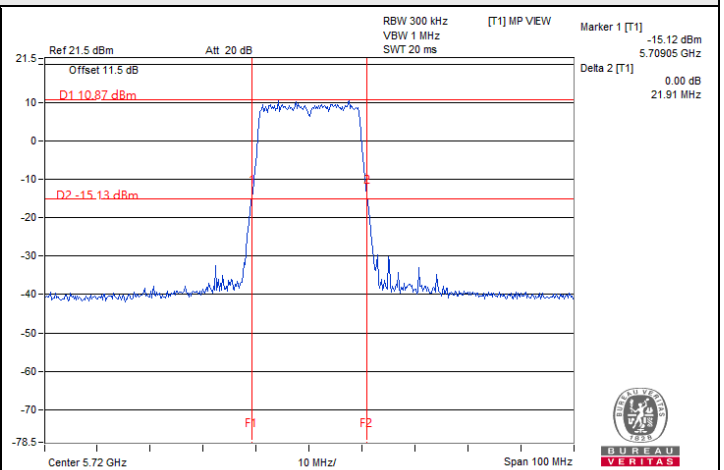
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	83.60	30.22 > 24
114	5570	168.11	33.25 > 24

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

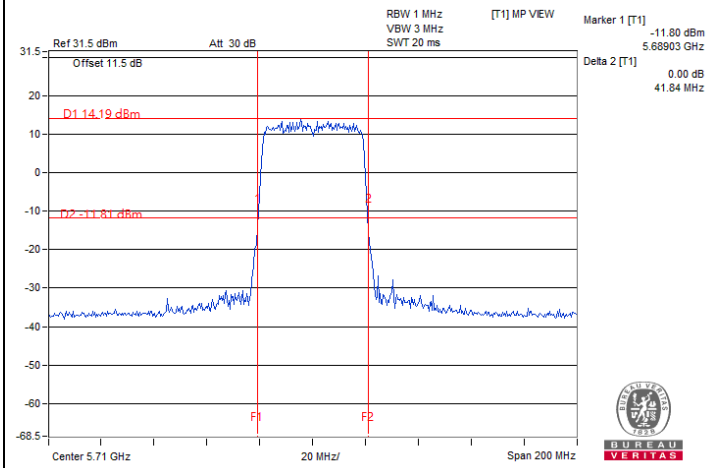
Spectrum Plot of Minimum Value



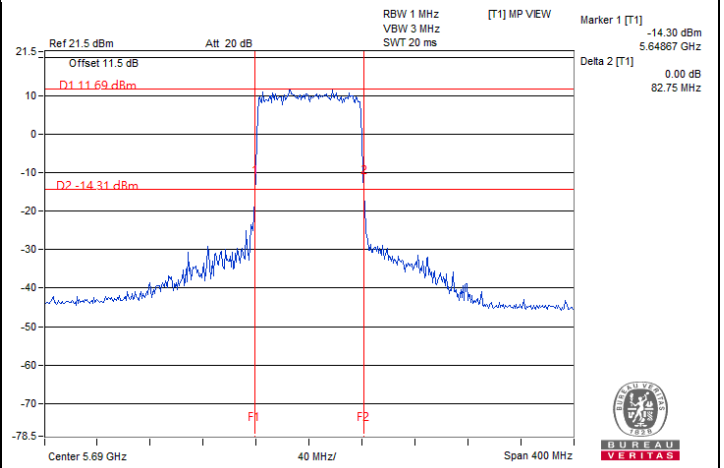
802.11a / Chain 3 : CH 144 (U-NII-3)



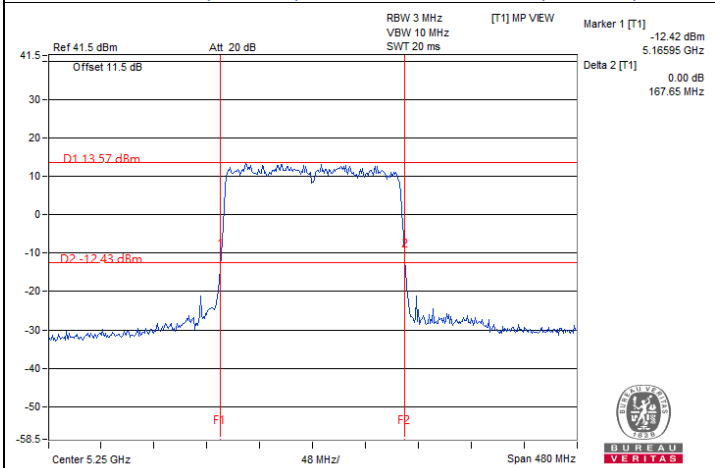
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



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



802.11be (EHT80) / Chain 1 : 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
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	23.22	23.35	22.56	23.32	821.251	29.14	30	Pass
40	5200	23.58	23.55	22.75	23.52	867.769	29.38	30	Pass
48	5240	23.55	23.51	22.78	23.45	861.833	29.35	30	Pass
52	5260	17.24	18.02	16.72	17.02	213.693	23.30	24	Pass
60	5300	17.15	18.03	16.65	17.22	214.374	23.31	24	Pass
64	5320	17.02	17.82	16.42	17.02	205.087	23.12	24	Pass
100	5500	17.15	18.05	16.63	17.23	214.577	23.32	24	Pass
116	5580	17.46	18.12	16.72	17.02	217.921	23.38	24	Pass
140	5700	17.05	17.58	16.65	17.42	209.425	23.21	24	Pass
*144 (U-NII-2C)	5720	15.56	15.62	14.79	15.70	139.734	21.45	23.01	Pass
*144 (U-NII-3)	5720	9.47	9.98	9.42	10.25	38.148	15.81	30	Pass
149	5745	23.05	23.65	22.36	23.55	832.227	29.20	30	Pass
157	5785	23.12	23.62	22.21	23.65	833.341	29.21	30	Pass
165	5825	23.11	23.68	22.15	23.19	810.498	29.09	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the directional gain is 2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	23.25	23.42	22.54	23.32	825.391	29.17	30	Pass
40	5200	23.35	23.41	22.59	23.45	838.413	29.23	30	Pass
48	5240	23.25	23.42	22.54	23.51	834.996	29.22	30	Pass
52	5260	17.22	18.02	16.61	17.05	212.623	23.28	24	Pass
60	5300	17.18	18.05	16.57	17.25	214.549	23.32	24	Pass
64	5320	17.02	17.95	16.54	17.12	209.328	23.21	24	Pass
100	5500	17.15	18.15	16.57	17.08	213.638	23.30	24	Pass
116	5580	17.25	18.18	16.58	17.11	215.757	23.34	24	Pass
140	5700	17.15	17.92	16.65	17.52	216.556	23.36	24	Pass
*144 (U-NII-2C)	5720	14.45	15.38	14.33	14.99	121.028	20.83	23.02	Pass
*144 (U-NII-3)	5720	10.16	10.28	9.58	10.14	40.447	16.07	30	Pass
149	5745	23.12	23.85	22.48	23.62	854.932	29.32	30	Pass
157	5785	23.22	23.92	22.41	23.59	859.238	29.34	30	Pass
165	5825	23.15	23.87	22.32	23.35	837.199	29.23	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 directional gain is 2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	20.52	20.88	20.17	21.08	467.406	26.70	30	Pass
46	5230	23.15	23.52	22.75	23.62	849.953	29.29	30	Pass
54	5270	17.35	17.68	16.61	17.32	212.704	23.28	24	Pass
62	5310	17.22	17.48	16.45	17.25	205.944	23.14	24	Pass
102	5510	17.25	17.85	16.62	17.12	211.485	23.25	24	Pass
110	5550	17.26	17.95	16.68	17.08	213.193	23.29	24	Pass
134	5670	17.02	17.48	16.62	17.22	204.969	23.12	24	Pass
*142 (U-NII-2C)	5710	15.48	15.53	15.03	15.39	137.482	21.38	24	Pass
*142 (U-NII-3)	5710	5.14	6.89	5.41	6.35	15.943	12.03	30	Pass
151	5755	23.12	23.54	22.63	23.45	835.601	29.22	30	Pass
159	5795	23.05	23.32	22.45	23.46	814.232	29.11	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	20.19	20.27	20.21	20.69	433.06	26.37	30	Pass
58	5290	17.16	17.74	16.68	17.58	215.267	23.33	24	Pass
106	5530	17.42	17.82	16.75	17.32	217.008	23.36	24	Pass
122	5610	17.21	17.55	16.54	17.46	210.287	23.23	24	Pass
*138 (U-NII-2C)	5690	16.06	16.38	15.79	16.31	164.503	22.16	24	Pass
*138 (U-NII-3)	5690	3.11	3.37	2.29	3.51	8.157	9.12	30	Pass
155	5775	23.21	23.45	22.31	23.45	822.246	29.15	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	13.79	14.55	13.53	14.21	101.349	20.06	30	Pass
*50 (U-NII-2A)	5250	13.44	14.22	13.18	13.84	93.511	19.71	24	Pass
114	5570	17.06	17.68	16.59	17.52	211.527	23.25	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 2 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.9 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	23.25	23.42	22.54	23.32	825.391	29.17	30	Pass
40	5200	23.35	23.41	22.59	23.45	838.413	29.23	30	Pass
48	5240	23.25	23.42	22.54	23.51	834.996	29.22	30	Pass
52	5260	17.22	18.02	16.61	17.05	212.623	23.28	23.95	Pass
60	5300	17.18	18.05	16.57	17.25	214.549	23.32	23.95	Pass
64	5320	17.02	17.95	16.54	17.12	209.328	23.21	23.95	Pass
100	5500	17.15	18.15	16.57	17.08	213.638	23.30	23.97	Pass
116	5580	17.25	18.18	16.58	17.11	215.757	23.34	23.97	Pass
140	5700	17.15	17.92	16.65	17.52	216.556	23.36	23.97	Pass
*144 (U-NII-2C)	5720	14.45	15.38	14.33	14.99	121.028	20.83	22.99	Pass
*144 (U-NII-3)	5720	10.16	10.28	9.58	10.14	40.447	16.07	29.94	Pass
149	5745	23.12	23.85	22.48	23.62	854.932	29.32	29.94	Pass
157	5785	23.22	23.92	22.41	23.59	859.238	29.34	29.94	Pass
165	5825	23.15	23.87	22.32	23.35	837.199	29.23	29.94	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.05-6)].
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.03-6)].
- For U-NII-3, the directional gain is 6.06 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.06-6) = 29.94 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	20.52	20.88	20.17	21.08	467.406	26.70	30	Pass
46	5230	23.15	23.52	22.75	23.62	849.953	29.29	30	Pass
54	5270	17.35	17.68	16.61	17.32	212.704	23.28	23.95	Pass
62	5310	17.22	17.48	16.45	17.25	205.944	23.14	23.95	Pass
102	5510	17.25	17.85	16.62	17.12	211.485	23.25	23.97	Pass
110	5550	17.26	17.95	16.68	17.08	213.193	23.29	23.97	Pass
134	5670	17.02	17.48	16.62	17.22	204.969	23.12	23.97	Pass
*142 (U-NII-2C)	5710	15.48	15.53	15.03	15.39	137.482	21.38	23.97	Pass
*142 (U-NII-3)	5710	5.14	6.89	5.41	6.35	15.943	12.03	29.94	Pass
151	5755	23.12	23.54	22.63	23.45	835.601	29.22	29.94	Pass
159	5795	23.05	23.32	22.45	23.46	814.232	29.11	29.94	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.05-6)].
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.03-6)].
- For U-NII-3, the directional gain is 6.06 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.06-6) = 29.94 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	20.19	20.27	20.21	20.69	433.06	26.37	30	Pass
58	5290	17.16	17.74	16.68	17.58	215.267	23.33	23.95	Pass
106	5530	17.42	17.82	16.75	17.32	217.008	23.36	23.97	Pass
122	5610	17.21	17.55	16.54	17.46	210.287	23.23	23.97	Pass
*138 (U-NII-2C)	5690	16.06	16.38	15.79	16.31	164.503	22.16	23.97	Pass
*138 (U-NII-3)	5690	3.11	3.37	2.29	3.51	8.157	9.12	29.94	Pass
155	5775	23.21	23.45	22.31	23.45	822.246	29.15	29.94	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.05-6)].
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.03-6)].
- For U-NII-3, the directional gain is 6.06 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.06-6) = 29.94 dBm.

802.11be (EHT160) Beamforming

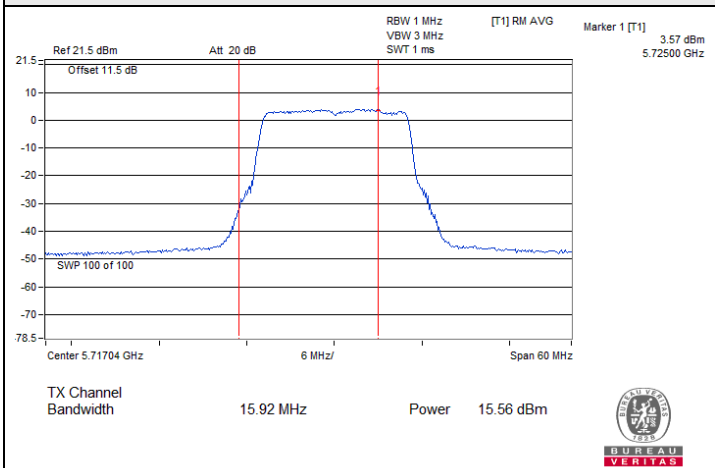
Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	13.79	14.55	13.53	14.21	101.349	20.06	30	Pass
*50 (U-NII-2A)	5250	13.44	14.22	13.18	13.84	93.511	19.71	23.95	Pass
114	5570	17.06	17.68	16.59	17.52	211.527	23.25	23.97	Pass

Notes:

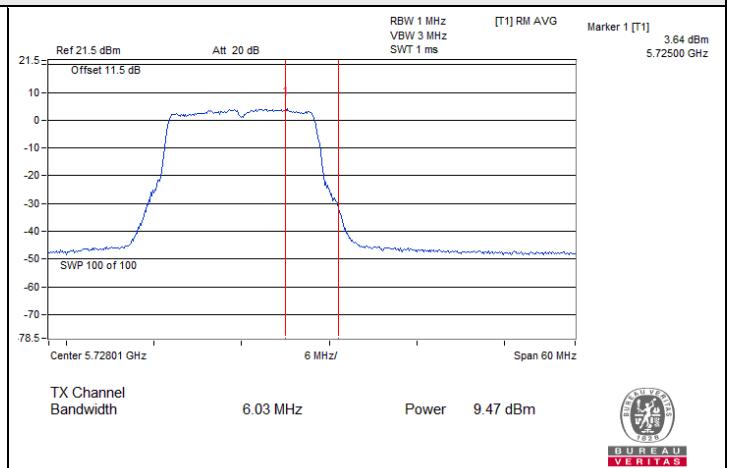
- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.05-6)].
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.03-6)].



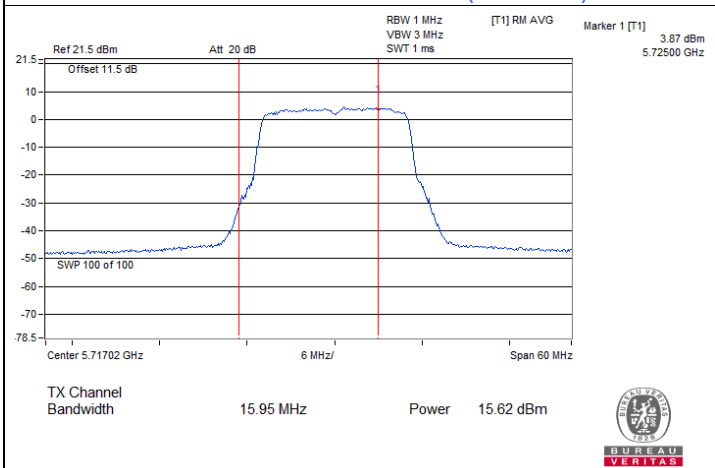
Spectrum Plot for channel straddling



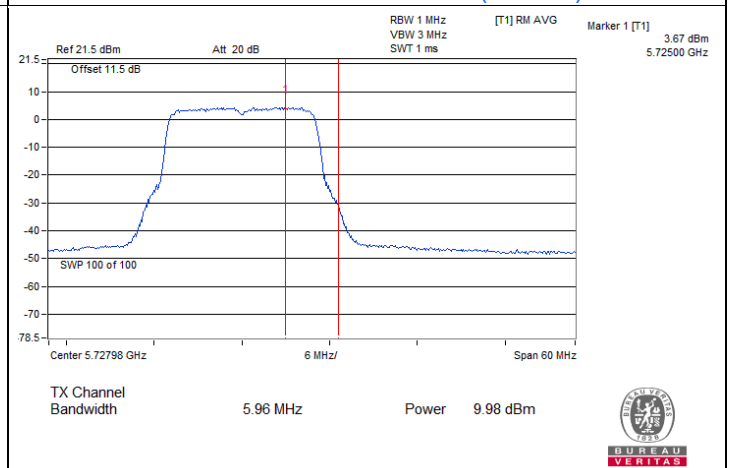
802.11a / Chain 0 : CH 144 (U-NII-2C)



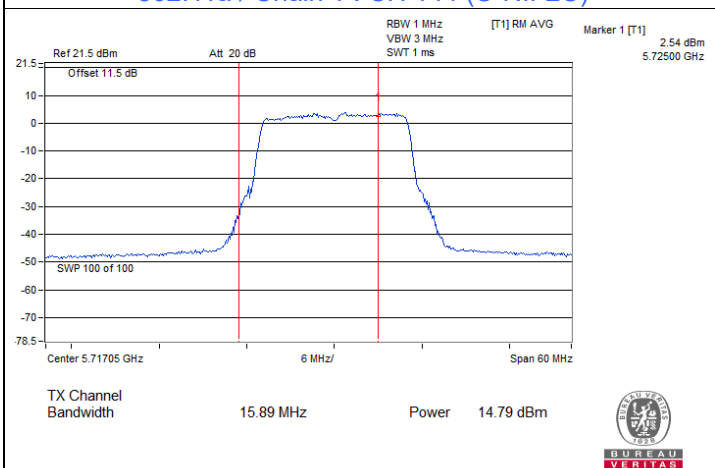
802.11a / Chain 0 : CH 144 (U-NII-3)



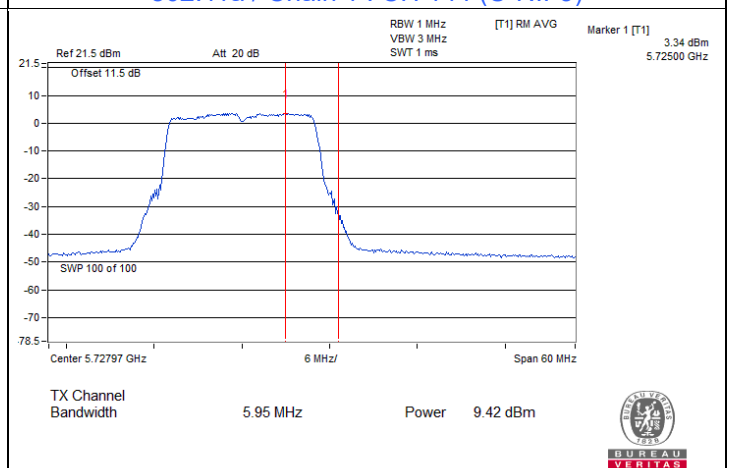
802.11a / Chain 1 : CH 144 (U-NII-2C)



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



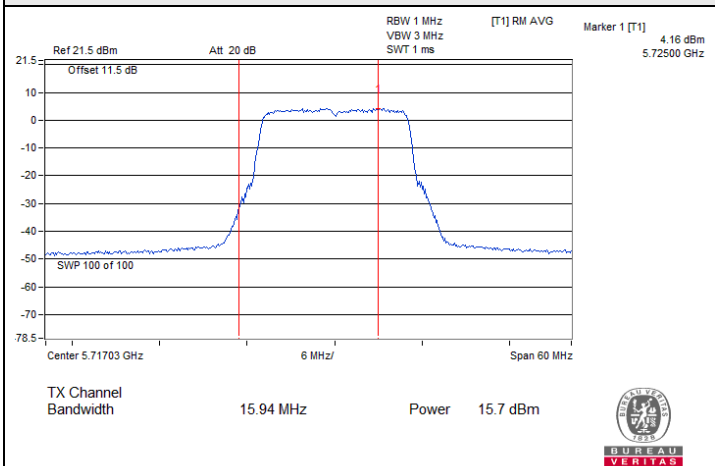
802.11a / Chain 2 : CH 144 (U-NII-2C)



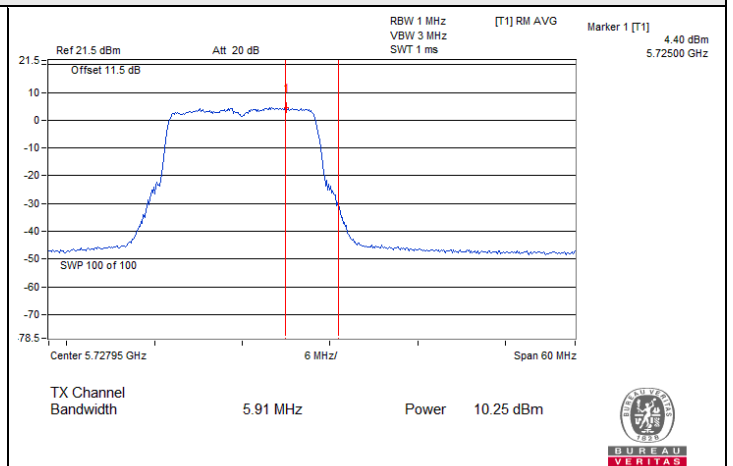
802.11a / Chain 2 : CH 144 (U-NII-3)



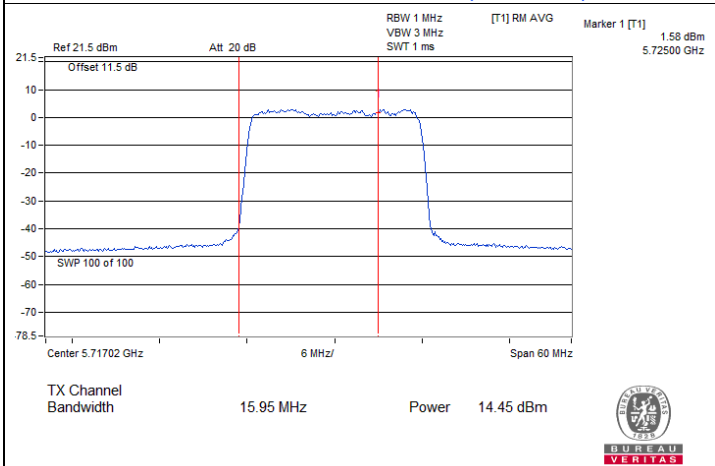
Spectrum Plot for channel straddling



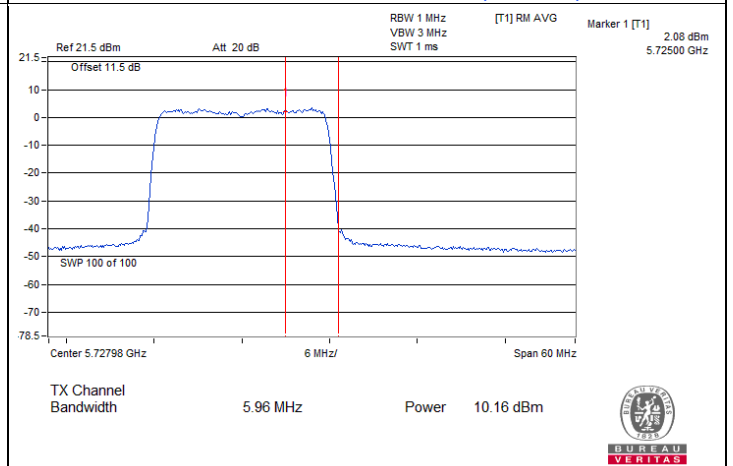
802.11a / Chain 3 : CH 144 (U-NII-2C)



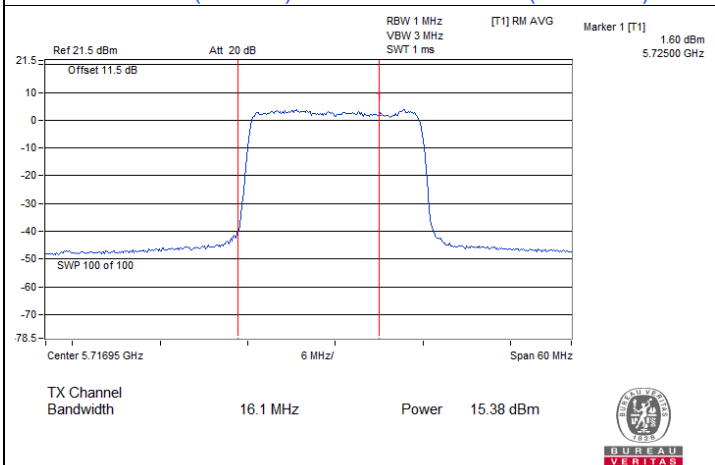
802.11a / Chain 3 : CH 144 (U-NII-3)



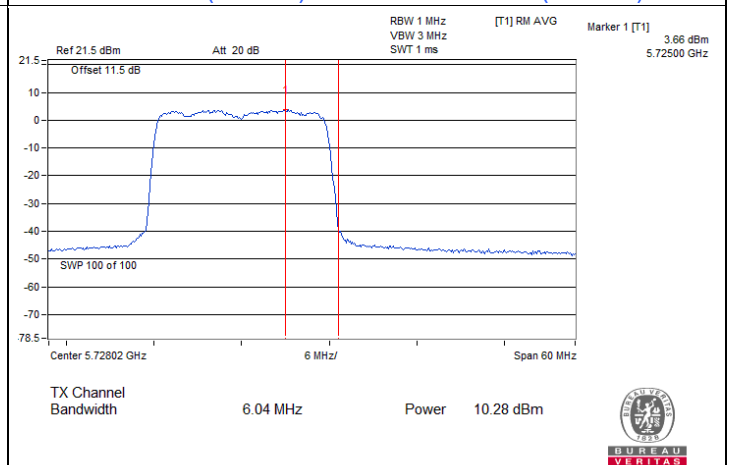
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)



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

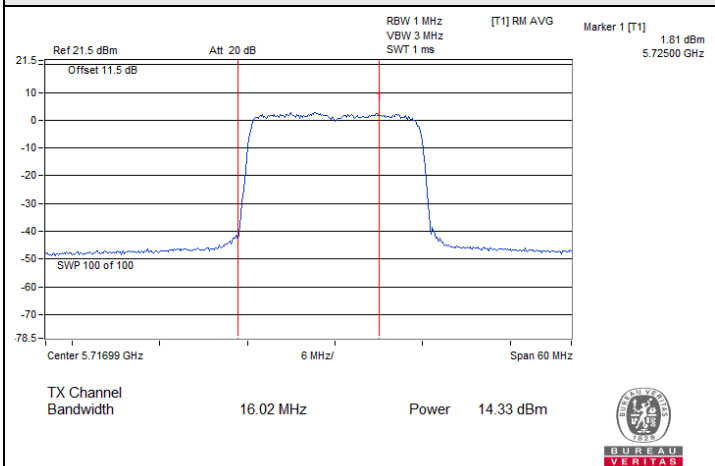


802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)

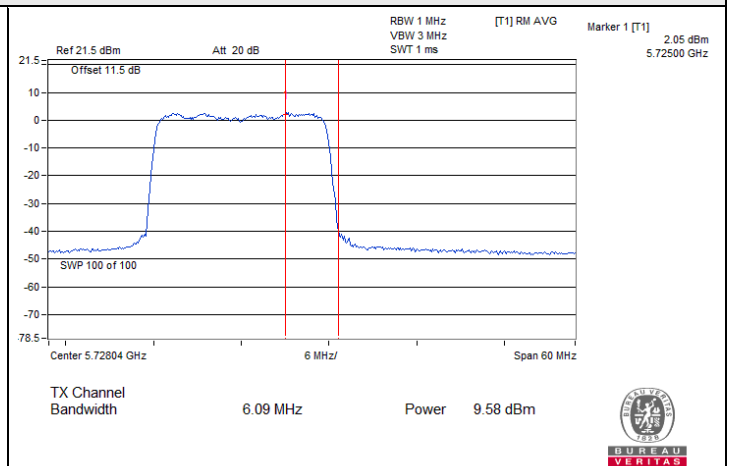


802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)

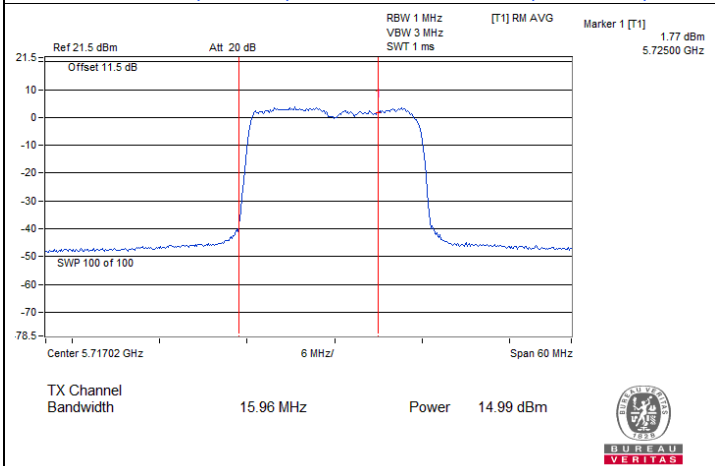
Spectrum Plot for channel straddling



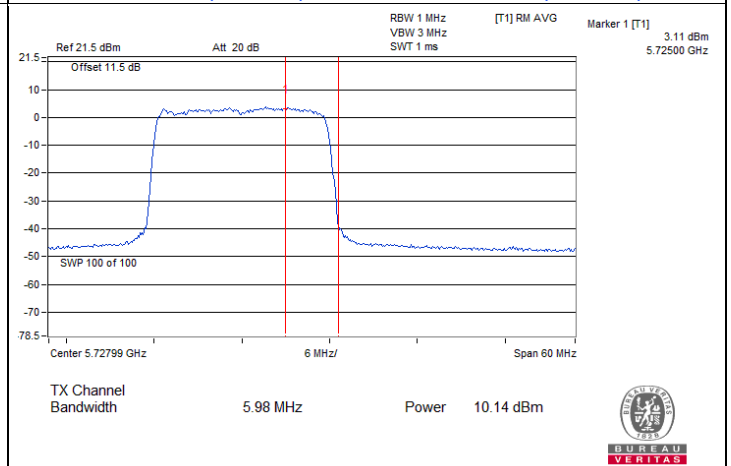
802.11be (EHT20) / Chain 2 : CH 144 (U-NII-2C)



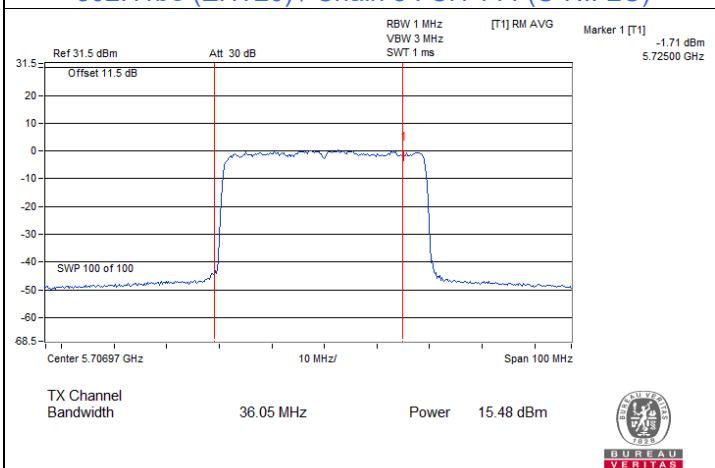
802.11be (EHT20) / Chain 2 : CH 144 (U-NII-3)



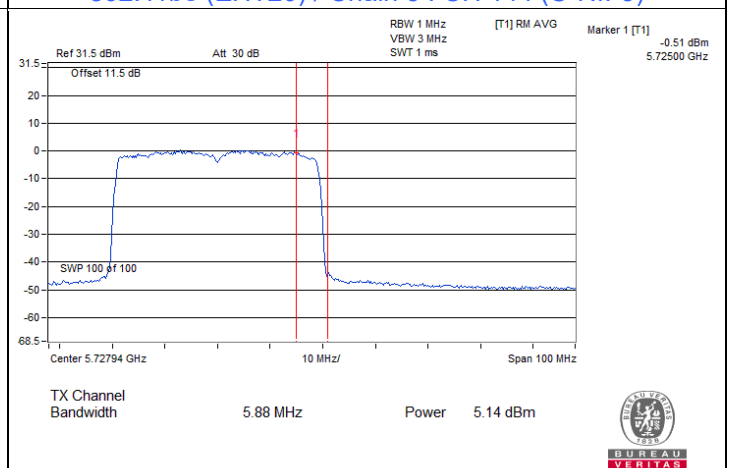
802.11be (EHT20) / Chain 3 : CH 144 (U-NII-2C)



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



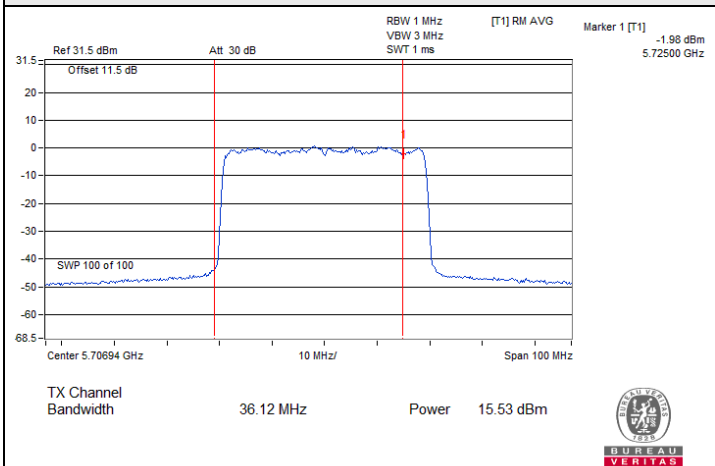
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



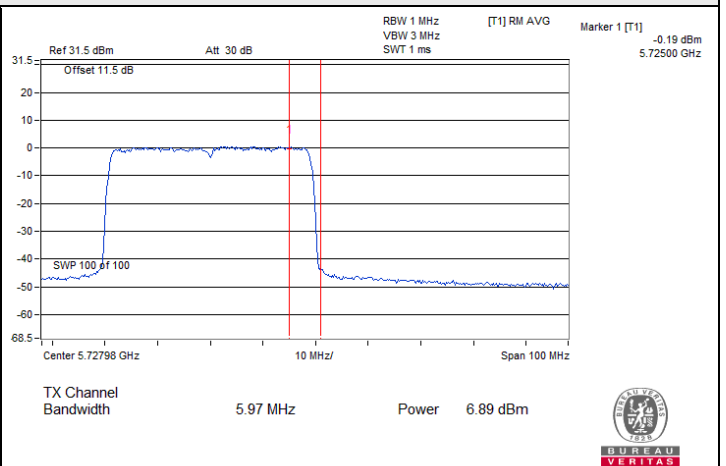
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)



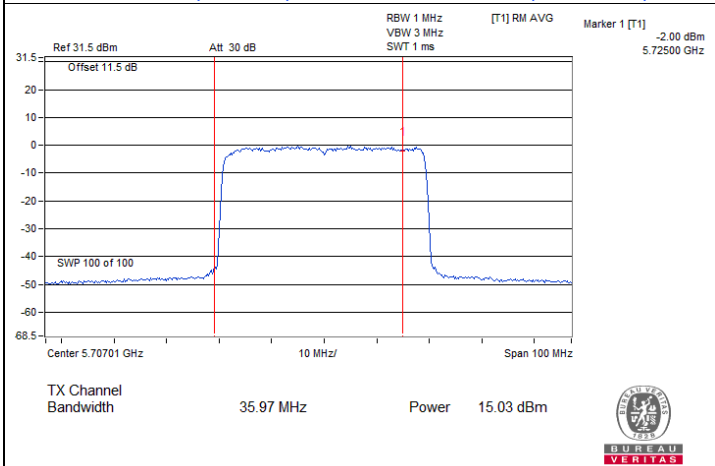
Spectrum Plot for channel straddling



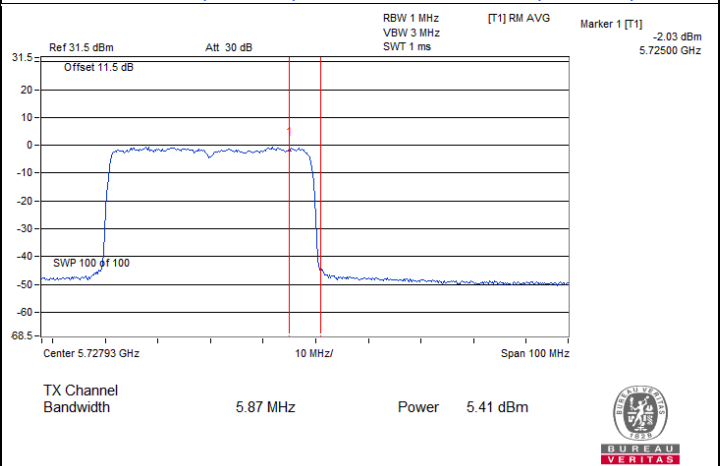
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)



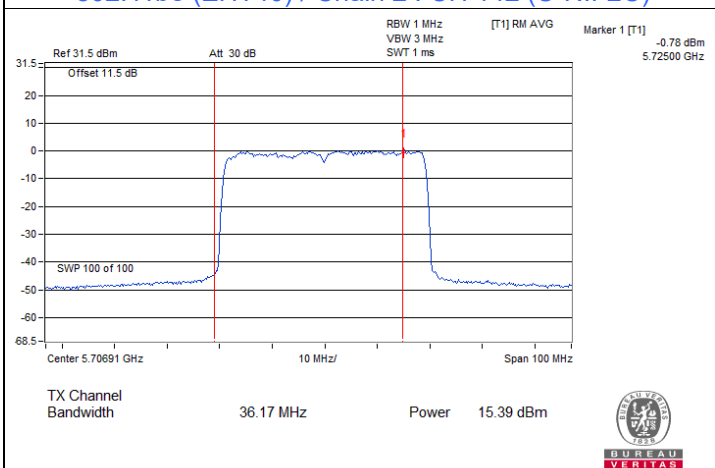
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



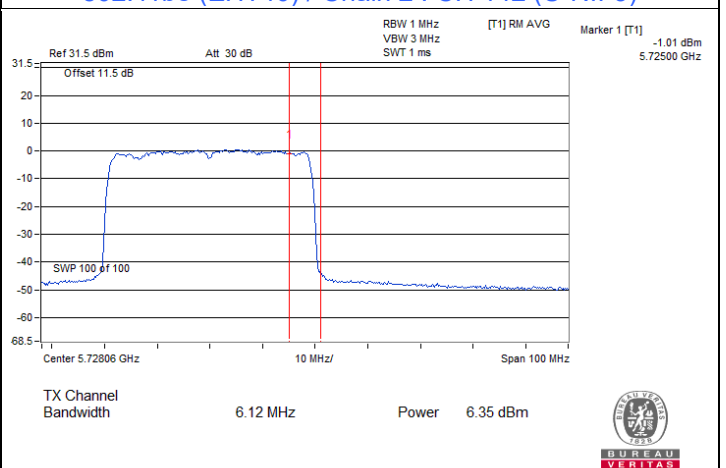
802.11be (EHT40) / Chain 2 : CH 142 (U-NII-2C)



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

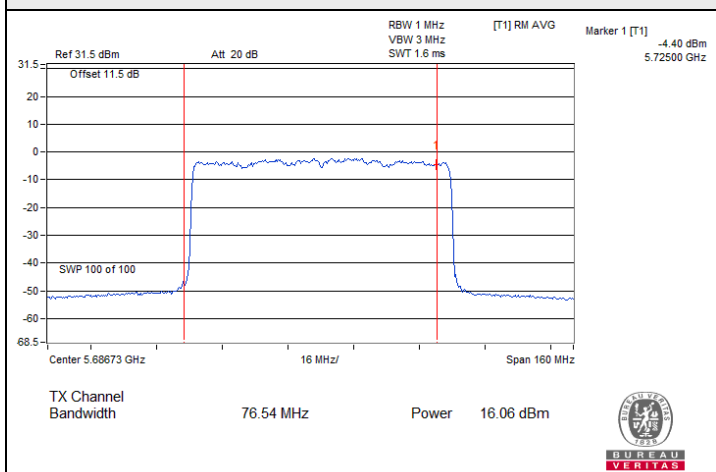


802.11be (EHT40) / Chain 3 : CH 142 (U-NII-2C)

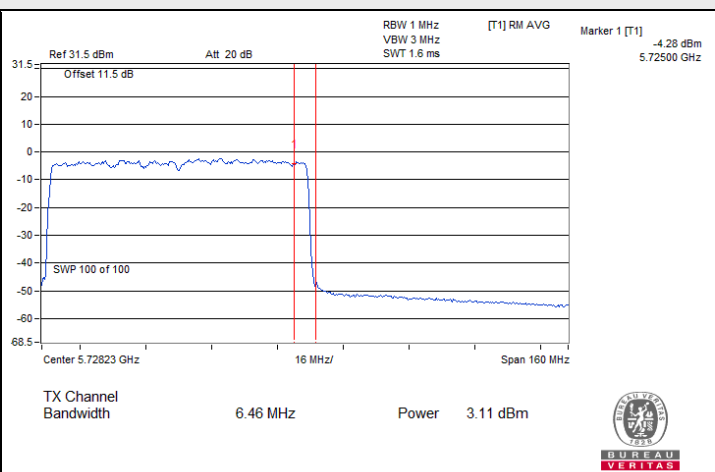


802.11be (EHT40) / Chain 3 : CH 142 (U-NII-3)

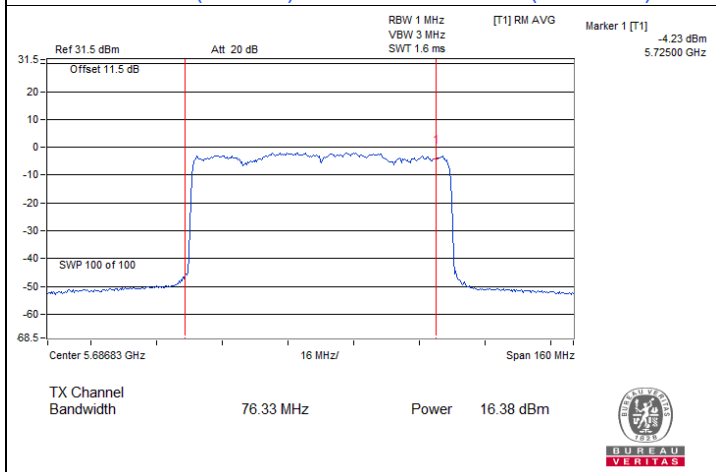
Spectrum Plot for channel straddling



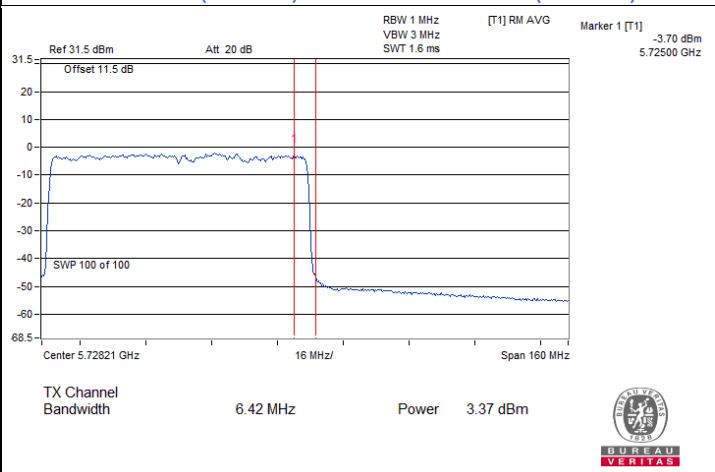
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



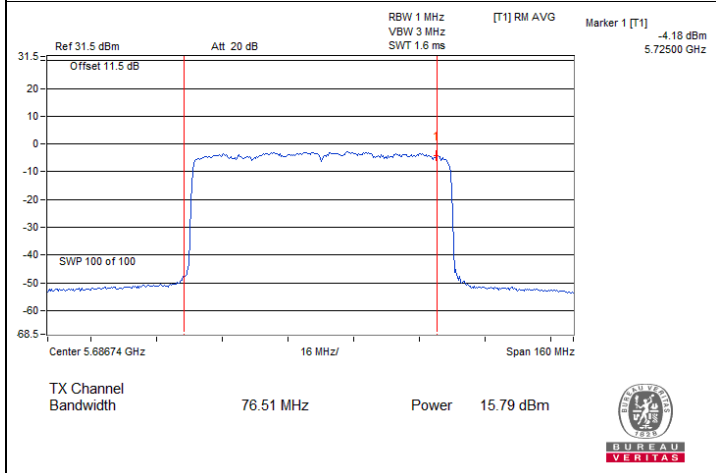
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



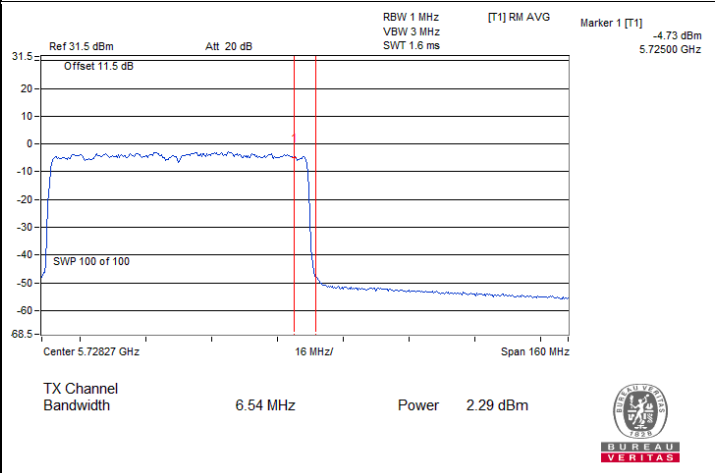
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



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



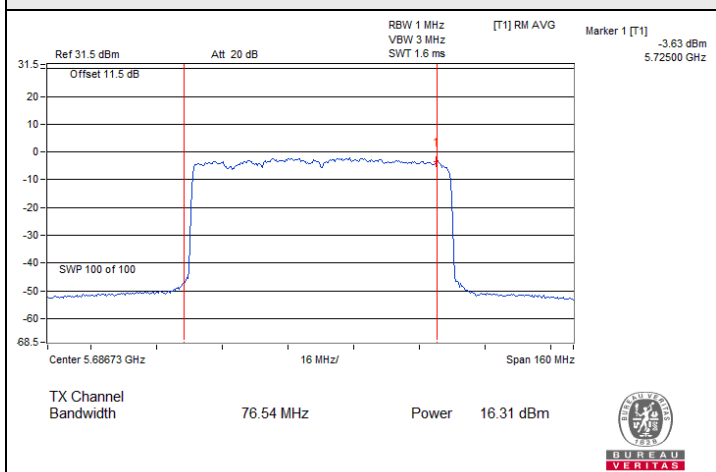
802.11be (EHT80) / Chain 2 : CH 138 (U-NII-2C)



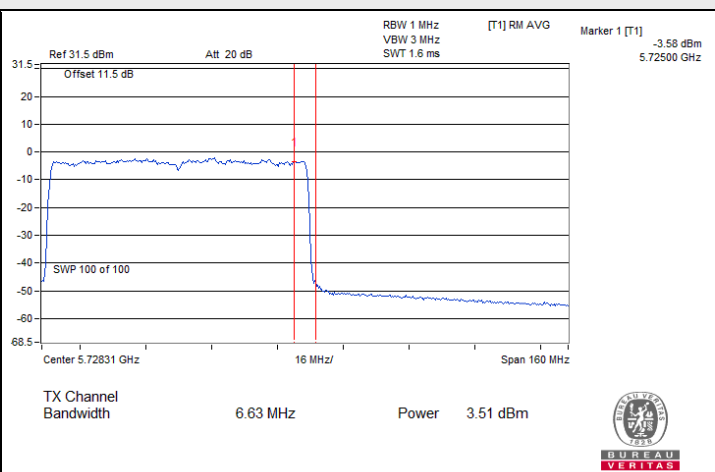
802.11be (EHT80) / Chain 2 : CH 138 (U-NII-3)



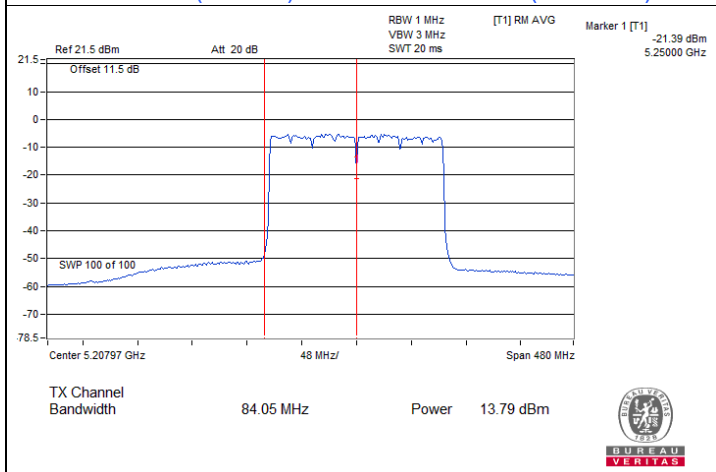
Spectrum Plot for channel straddling



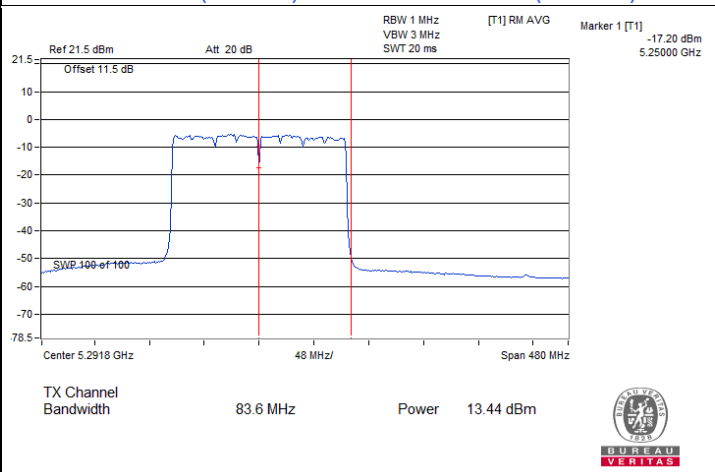
802.11be (EHT80) / Chain 3 : CH 138 (U-NII-2C)



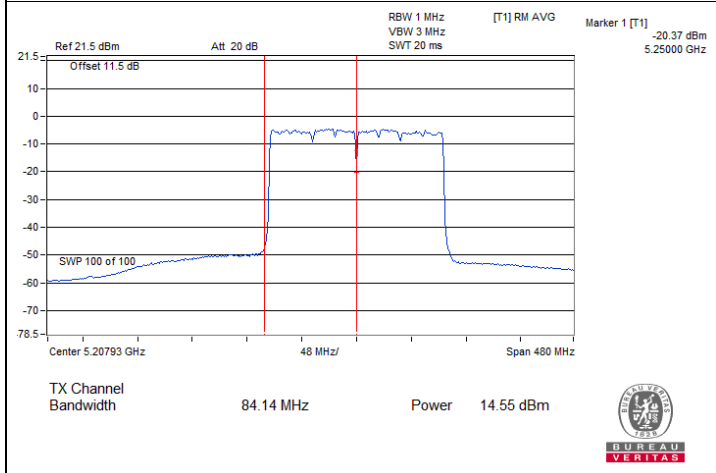
802.11be (EHT80) / Chain 3 : CH 138 (U-NII-3)



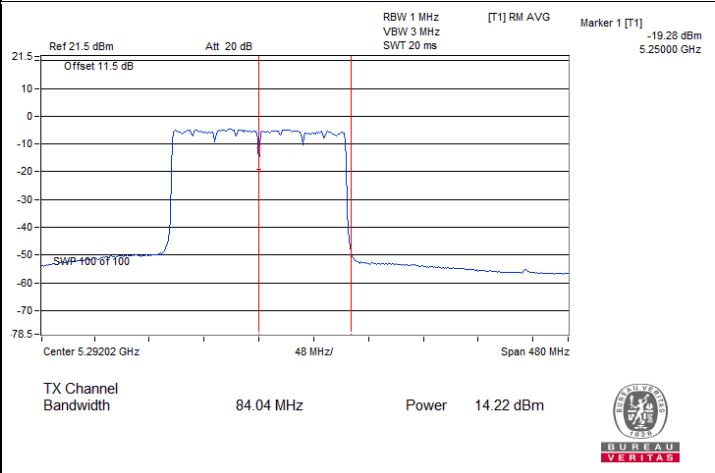
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)



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



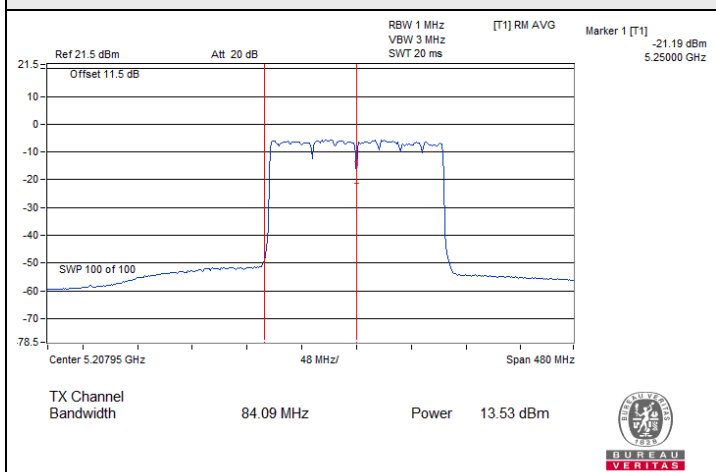
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)



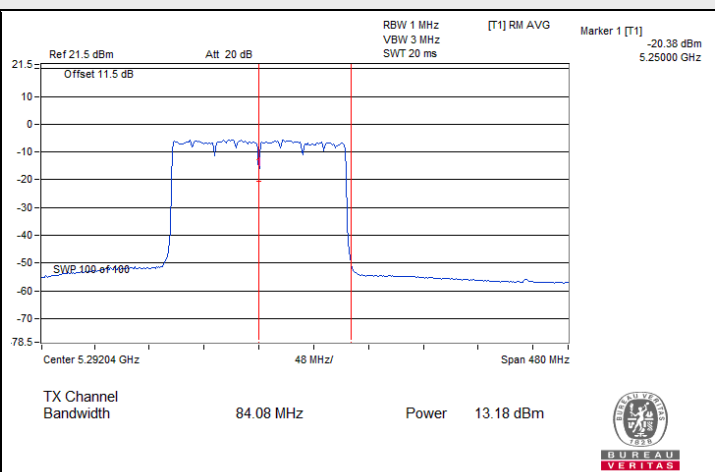
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)



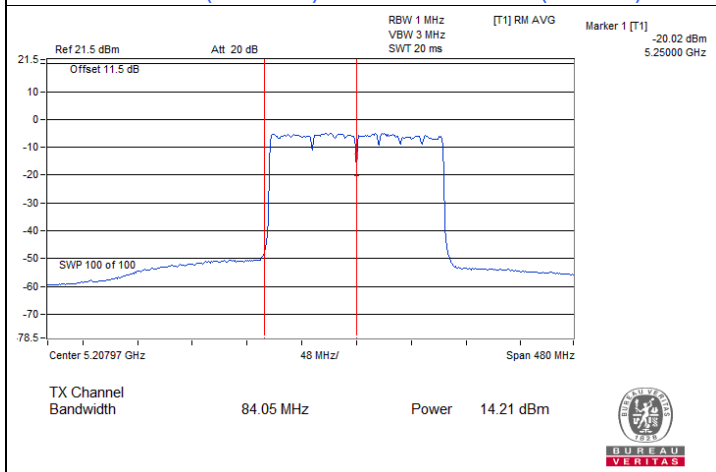
Spectrum Plot for channel straddling



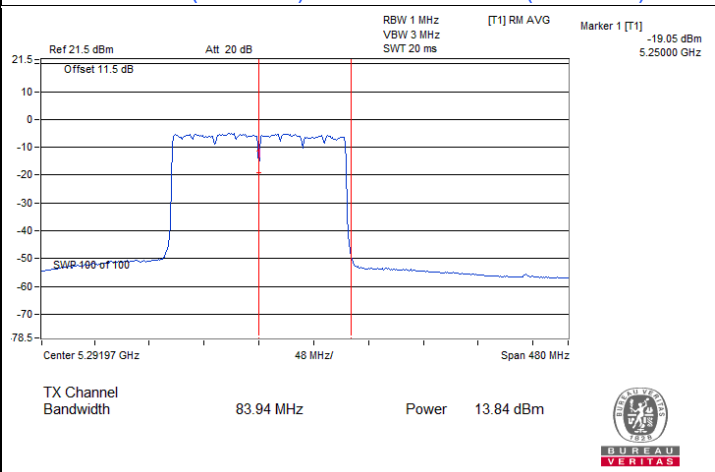
802.11be (EHT160) / Chain 2 : CH 50 (U-NII-1)



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



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



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
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	10.15	10.23	9.55	10.31	16.09	17	Pass
40	5200	10.52	10.43	9.71	10.38	16.29	17	Pass
48	5240	10.55	10.47	9.73	10.39	16.32	17	Pass
52	5260	4.17	4.98	3.70	3.97	10.25	10.95	Pass
60	5300	4.05	4.95	3.49	4.11	10.20	10.95	Pass
64	5320	4.03	4.74	3.33	3.98	10.07	10.95	Pass
100	5500	4.10	5.04	3.57	4.09	10.25	10.97	Pass
116	5580	4.41	5.02	3.63	4.00	10.32	10.97	Pass
140	5700	4.05	4.57	3.62	4.43	10.20	10.97	Pass
144 (U-NII-2C)	5720	3.90	4.49	3.65	4.42	10.15	10.97	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.05-6) = 10.95$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.03-6) = 10.97$ 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	10.27	10.37	9.54	10.30	16.15	17	Pass
40	5200	10.33	10.34	9.50	10.46	16.19	17	Pass
48	5240	10.20	10.35	9.52	10.51	16.18	17	Pass
52	5260	4.17	5.07	3.64	3.95	10.26	10.95	Pass
60	5300	4.17	5.08	3.58	4.22	10.32	10.95	Pass
64	5320	3.98	4.94	3.51	4.07	10.18	10.95	Pass
100	5500	4.09	5.10	3.42	4.06	10.23	10.97	Pass
116	5580	4.24	5.16	3.49	4.03	10.29	10.97	Pass
140	5700	4.08	3.63	3.66	4.53	10.01	10.97	Pass
144 (U-NII-2C)	5720	4.15	4.71	3.62	4.60	10.31	10.97	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.05-6) = 10.95$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.03-6) = 10.97$ 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	4.47	4.82	4.09	5.00	10.63	17	Pass
46	5230	7.16	7.55	6.73	7.53	13.28	17	Pass
54	5270	1.31	1.61	0.54	1.33	7.24	10.95	Pass
62	5310	1.25	1.43	0.48	1.15	7.11	10.95	Pass
102	5510	1.26	1.82	0.50	1.14	7.23	10.97	Pass
110	5550	1.25	1.89	0.57	1.05	7.24	10.97	Pass
134	5670	1.08	1.50	0.60	1.18	7.12	10.97	Pass
142 (U-NII-2C)	5710	1.01	1.47	0.65	1.10	7.09	10.97	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.05-6) = 10.95 dBm/MHz.
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.03-6) = 10.97 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	1.11	1.28	1.30	1.65	7.36	17	Pass
58	5290	-1.87	-1.26	-2.33	-1.40	4.33	10.95	Pass
106	5530	-1.57	-1.09	-2.32	-1.58	4.40	10.97	Pass
122	5610	-1.83	-1.39	-2.46	-1.61	4.22	10.97	Pass
138 (U-NII-2C)	5690	-1.87	-1.59	-2.28	-1.52	4.22	10.97	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 5.99 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.05-6) = 10.95 dBm/MHz.
- For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.03-6) = 10.97 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	-4.89	-4.37	-5.55	-4.59	1.19	17	Pass
50 (U-NII-2A)	5250	-5.04	-4.58	-5.63	-4.67	1.06	10.95	Pass
114	5570	-4.88	-4.28	-5.36	-4.46	1.30	10.97	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 5.99 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 6.05 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.05-6) = 10.95$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.03 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.03-6) = 10.97$ dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
144 (U-NII-3)	5720	-4.63	-4.02	-4.60	-4.04	1.71	3.93	29.94	Pass
149	5745	-0.75	-0.22	-1.51	-0.31	5.35	7.57	29.94	Pass
157	5785	-0.65	-0.29	-1.62	-0.24	5.35	7.57	29.94	Pass
165	5825	-0.70	-0.15	-1.71	-0.57	5.27	7.49	29.94	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 6.06 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.06-6) = 29.94$ 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	-5.60	-5.07	-6.27	-5.39	0.46	2.68	29.94	Pass
149	5745	-0.41	0.42	-1.03	0.25	5.87	8.09	29.94	Pass
157	5785	-0.20	0.52	-1.08	0.23	5.93	8.15	29.94	Pass
165	5825	-0.33	0.44	-1.18	-0.04	5.78	8.00	29.94	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 6.06 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.06-6) = 29.94$ 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	-8.79	-8.40	-9.50	-8.77	-2.83	-0.61	29.94	Pass
151	5755	-2.24	-1.81	-2.71	-1.85	3.88	6.10	29.94	Pass
159	5795	-2.36	-2.01	-2.90	-1.77	3.78	6.00	29.94	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 6.06 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.06 - 6) = 29.94$ dBm/500kHz.

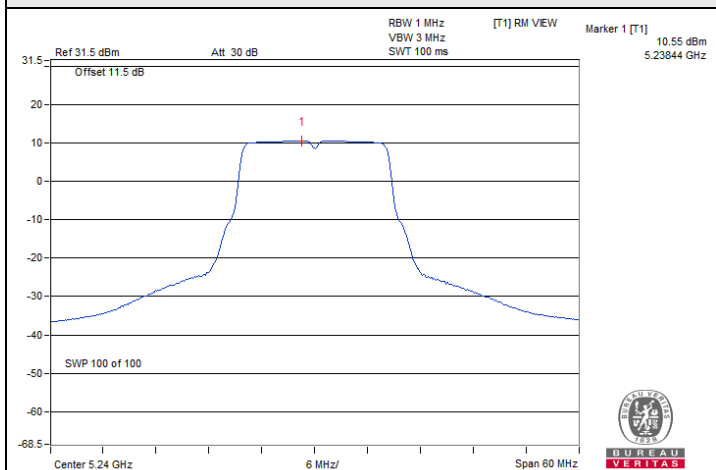
802.11be (EHT80)

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	-12.28	-12.00	-12.87	-12.07	-6.27	-4.05	29.94	Pass
155	5775	-6.10	-5.88	-6.84	-5.88	-0.14	2.08	29.94	Pass

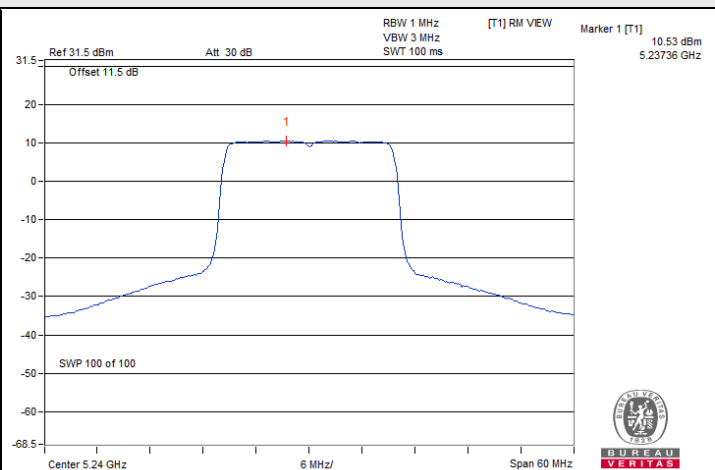
Notes:

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 6.06 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.06 - 6) = 29.94$ dBm/500kHz.

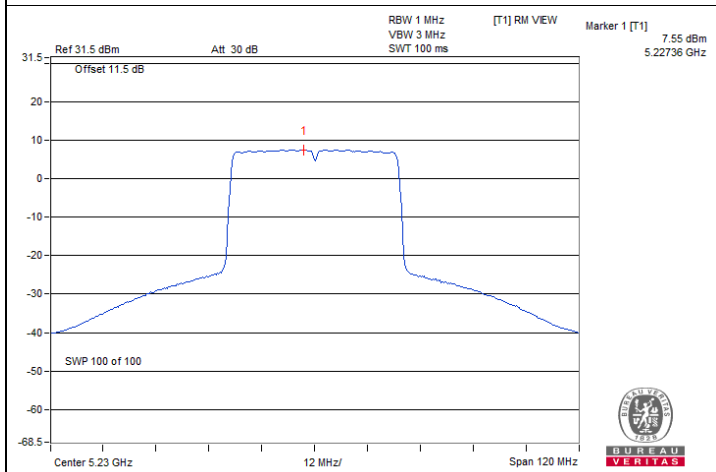
Spectrum Plot of Maximum Value



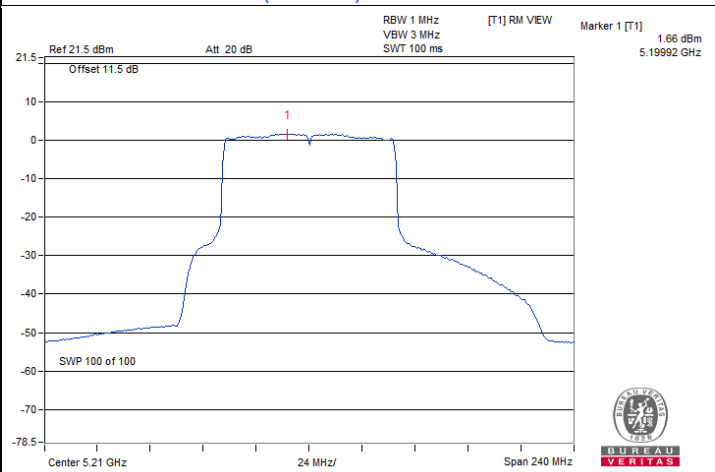
802.11a / Chain 0 : CH 48



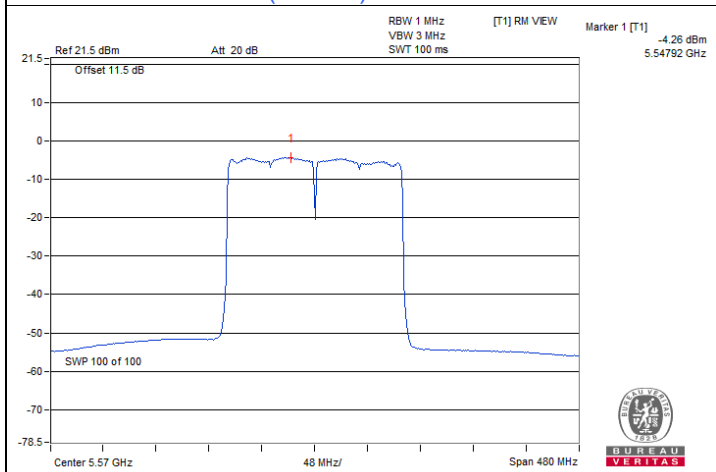
802.11be (EHT20) / Chain 3 : CH 48



802.11be (EHT40) / Chain 1 : CH 46

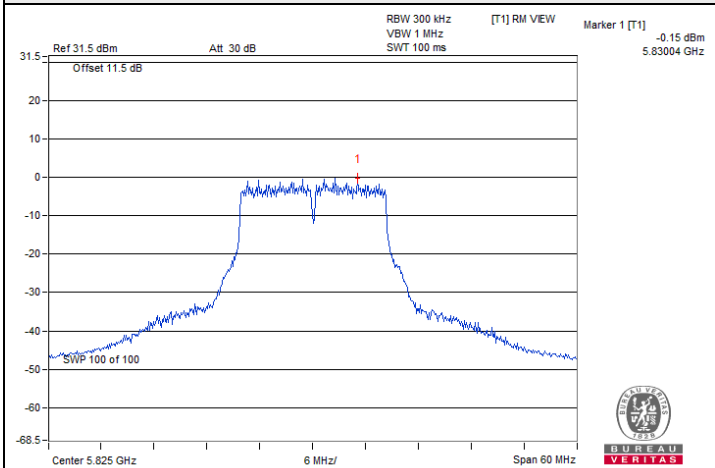


802.11be (EHT80) / Chain 3 : CH 42

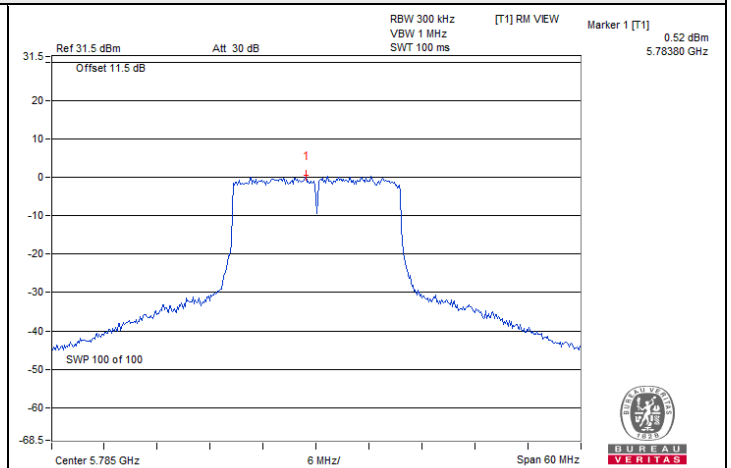


802.11be (EHT160) / Chain 1 : CH 114

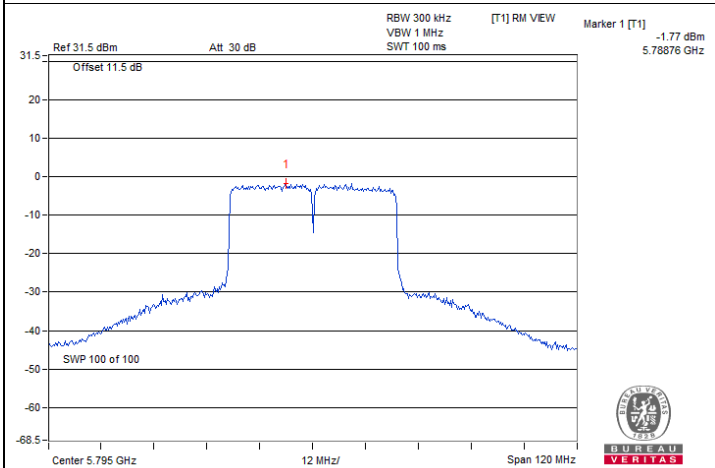
Spectrum Plot of Maximum Value



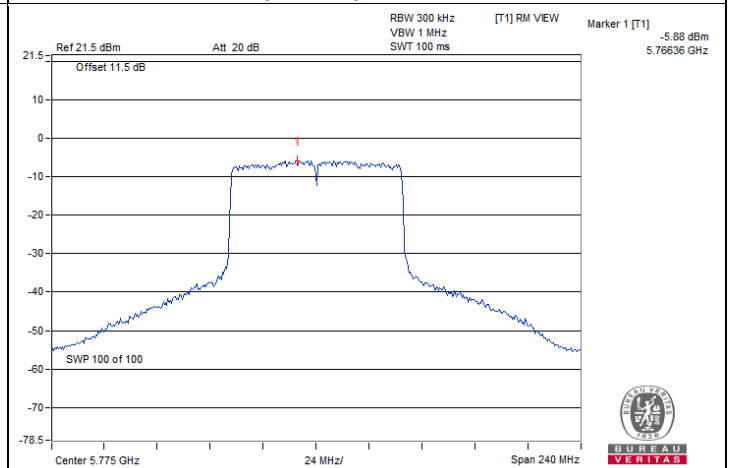
802.11a / Chain 1 : CH 165



802.11be (EHT20) / Chain 1 : CH 157



802.11be (EHT40) / Chain 3 : CH 159



802.11be (EHT80) / Chain 1 : CH 155

7.4 6 dB Bandwidth

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

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	3.22	3.22	3.23	3.22	0.5	Pass
149	5745	16.35	16.35	16.36	16.36	0.5	Pass
157	5785	16.39	16.38	16.43	16.42	0.5	Pass
165	5825	16.37	16.40	16.42	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	4.54	4.60	4.54	4.57	0.5	Pass
149	5745	19.00	18.93	18.90	18.98	0.5	Pass
157	5785	19.09	19.05	19.03	19.08	0.5	Pass
165	5825	19.06	19.00	19.05	19.02	0.5	Pass

802.11be (EHT40)

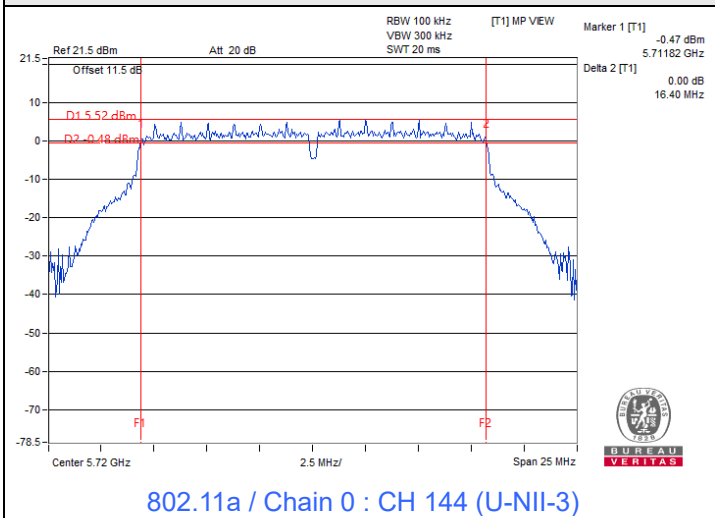
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
142 (U-NII-3)	5710	4.01	3.99	3.96	4.03	0.5	Pass
151	5755	38.02	37.73	37.75	37.92	0.5	Pass
159	5795	37.84	37.62	37.73	37.83	0.5	Pass

802.11be (EHT80)

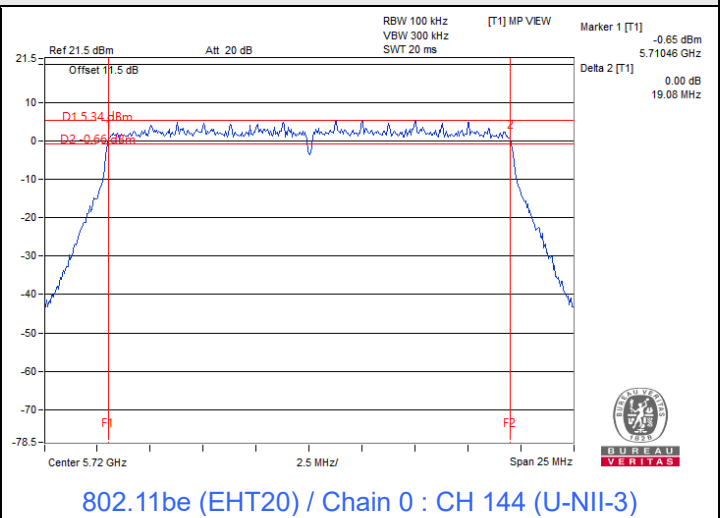
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
138 (U-NII-3)	5690	4.03	4.05	3.98	3.89	0.5	Pass
155	5775	76.85	77.48	76.77	75.99	0.5	Pass



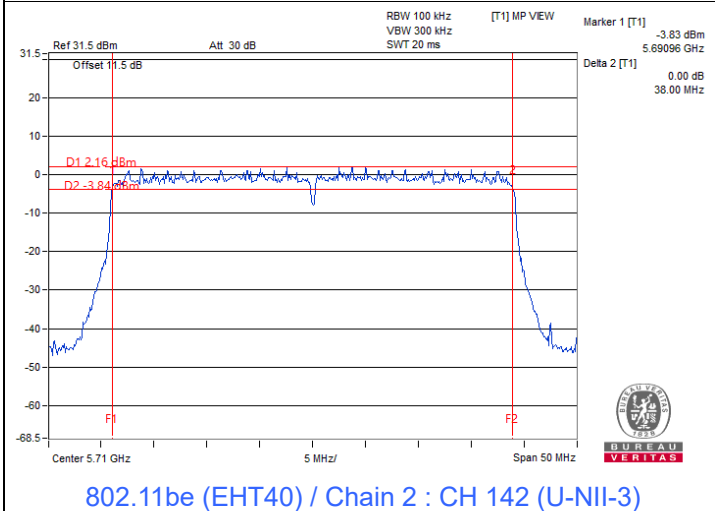
Spectrum Plot of Minimum Value



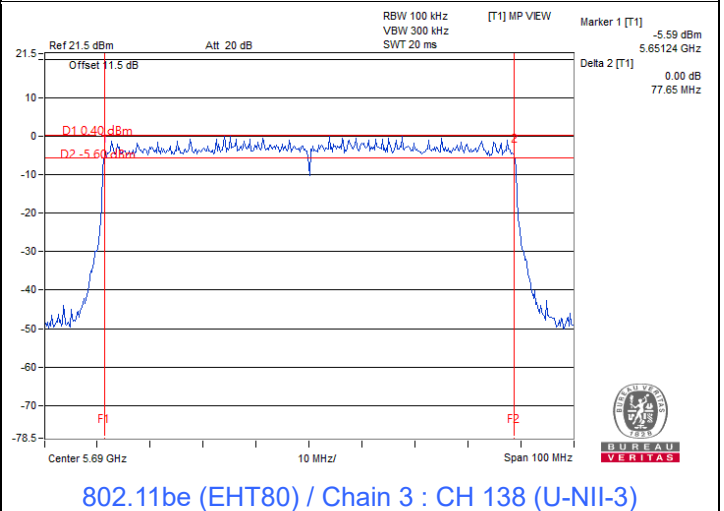
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



802.11be (EHT80) / Chain 3 : 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
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	17.52	17.52	17.40	17.40
40	5200	17.16	17.16	17.28	17.28
48	5240	17.28	17.28	17.28	17.28
52	5260	17.04	17.16	17.28	17.04
60	5300	17.16	17.16	17.16	17.28
64	5320	17.52	17.52	17.64	17.52
100	5500	17.52	17.52	17.52	17.40
116	5580	17.04	17.04	17.16	17.04
140	5700	17.04	17.16	17.16	17.16
144 (U-NII-2C)	5720	13.52	13.52	13.52	13.64
144 (U-NII-3)	5720	3.64	3.52	3.52	3.52
149	5745	17.30	17.13	17.21	17.13
157	5785	17.52	17.16	17.28	17.16
165	5825	17.31	17.28	17.40	17.16

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.44	19.32	19.44	19.44
40	5200	19.32	19.20	19.20	19.08
48	5240	19.32	19.20	19.20	19.20
52	5260	19.20	19.20	19.20	19.20
60	5300	19.20	19.20	19.20	19.20
64	5320	19.44	19.32	19.44	19.32
100	5500	19.32	19.44	19.32	19.32
116	5580	19.20	19.20	19.20	19.20
140	5700	19.20	19.20	19.20	19.20
144 (U-NII-2C)	5720	14.60	14.60	14.60	14.60
144 (U-NII-3)	5720	4.60	4.60	4.60	4.60
149	5745	19.30	19.30	19.30	19.31
157	5785	19.32	19.32	19.20	19.32
165	5825	19.32	19.32	19.20	19.44

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	38.16	38.40	38.16	38.16
46	5230	38.16	38.16	38.16	38.16
54	5270	37.92	37.92	38.16	38.16
62	5310	38.16	38.40	38.16	38.16
102	5510	38.16	38.16	38.16	37.92
110	5550	38.04	37.92	38.04	37.92
134	5670	38.16	37.92	37.92	37.92
142 (U-NII-2C)	5710	33.96	34.20	34.20	33.96
142 (U-NII-3)	5710	3.96	3.96	3.96	3.96
151	5755	38.26	38.26	38.09	38.43
159	5795	38.26	37.92	37.92	38.64

802.11be (EHT80)

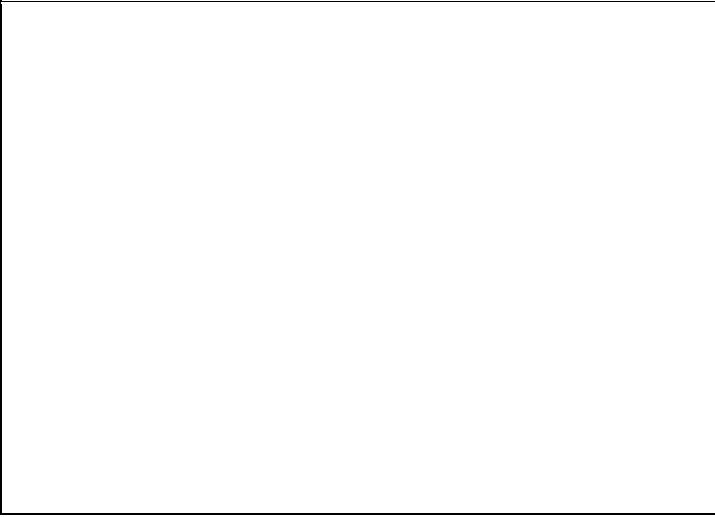
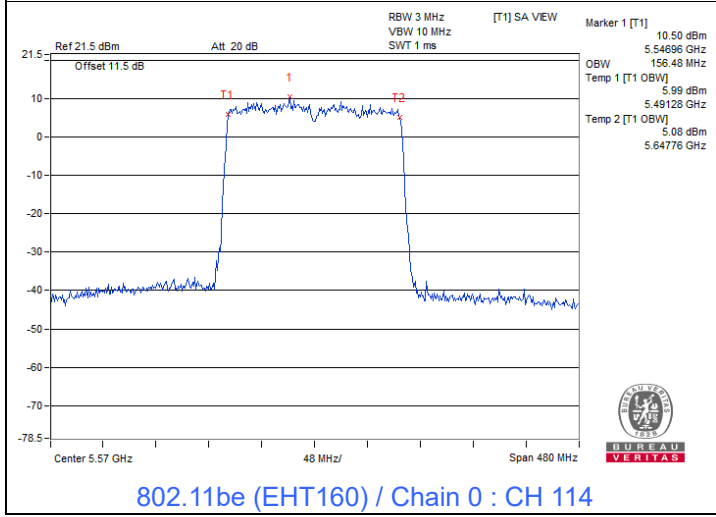
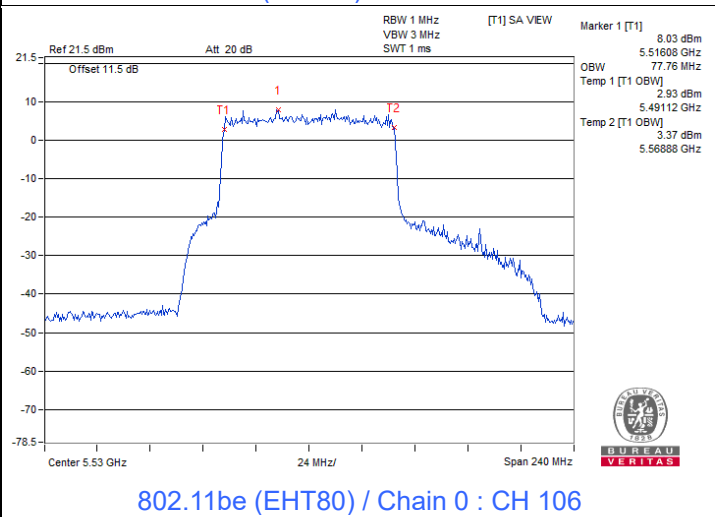
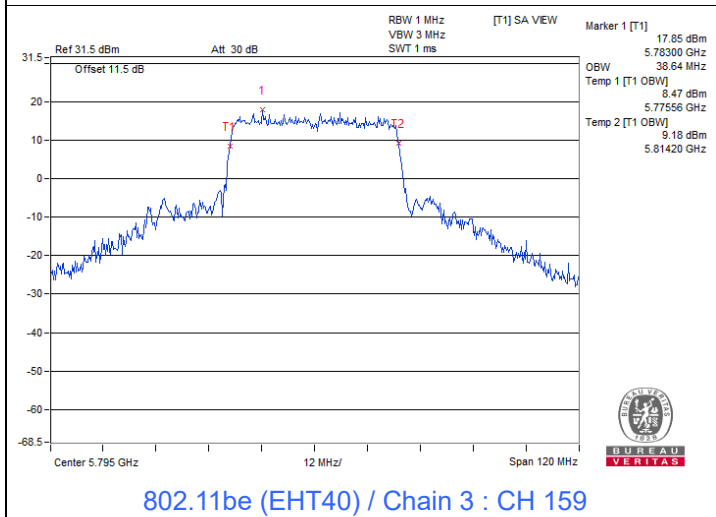
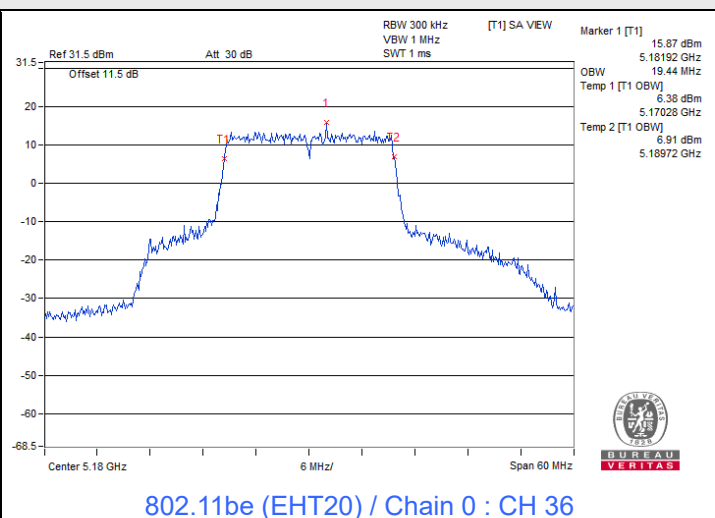
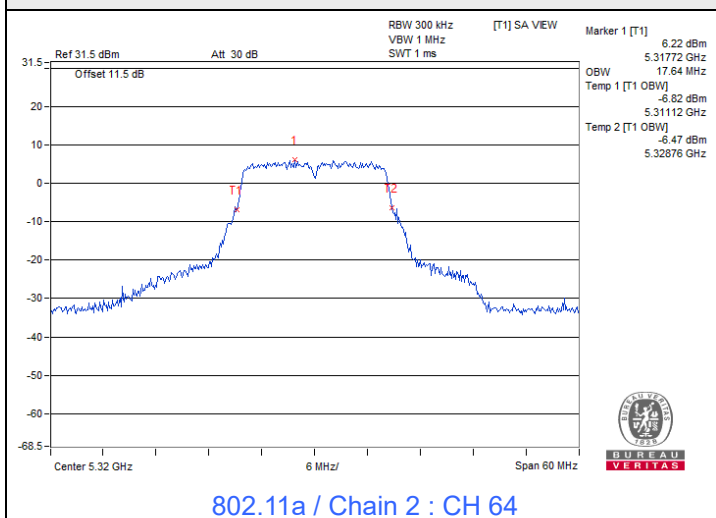
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.28	77.28	77.28	77.28
58	5290	77.28	77.28	77.28	77.28
106	5530	77.76	77.76	77.28	77.28
122	5610	77.28	77.28	77.28	77.28
138 (U-NII-2C)	5690	73.88	73.88	73.88	73.88
138 (U-NII-3)	5690	3.40	3.40	3.40	3.40
155	5775	77.22	77.57	77.22	77.22

802.11be (EHT160)

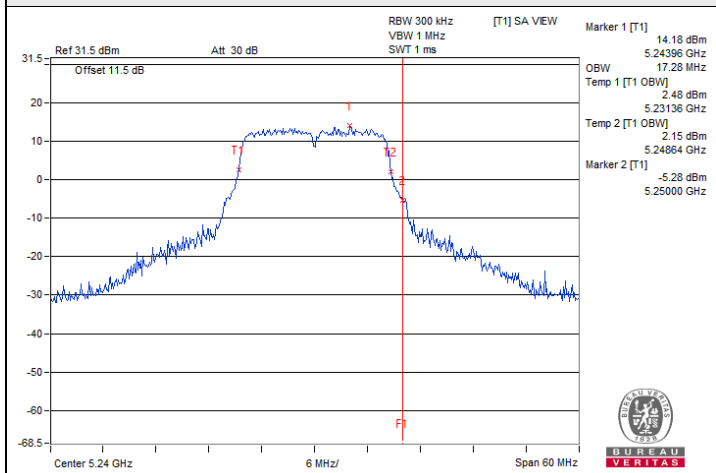
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	78.72	78.72	78.72	78.72
50 (U-NII-2A)	5250	77.76	77.76	77.76	77.76
114	5570	156.48	156.48	156.48	156.48



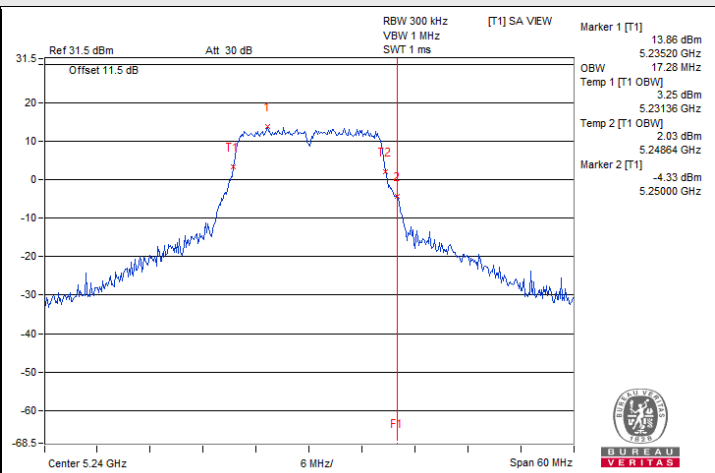
Spectrum Plot of Maximum Value



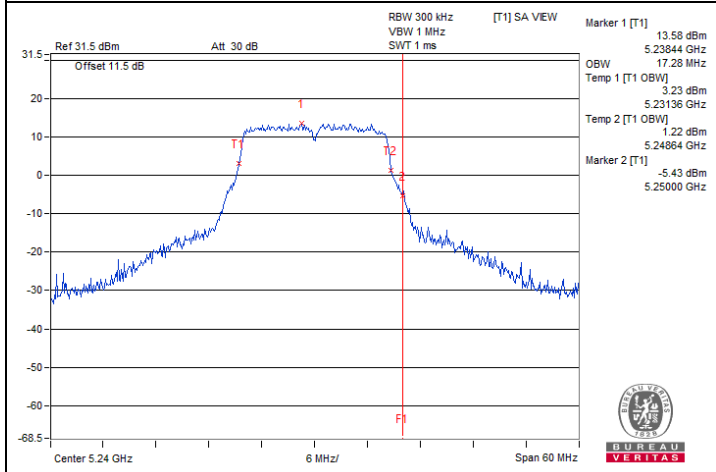
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



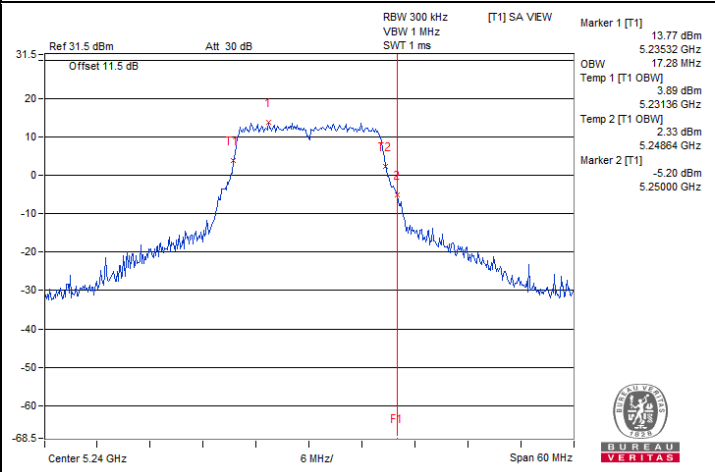
802.11a / Chain 0 : CH 48



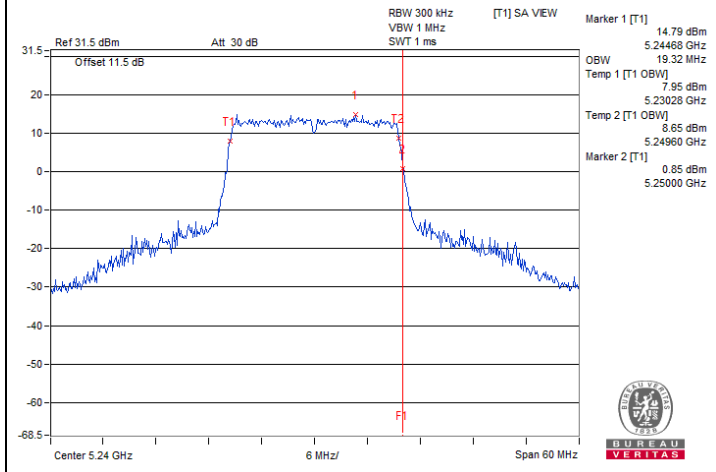
802.11a / Chain 1 : CH 48



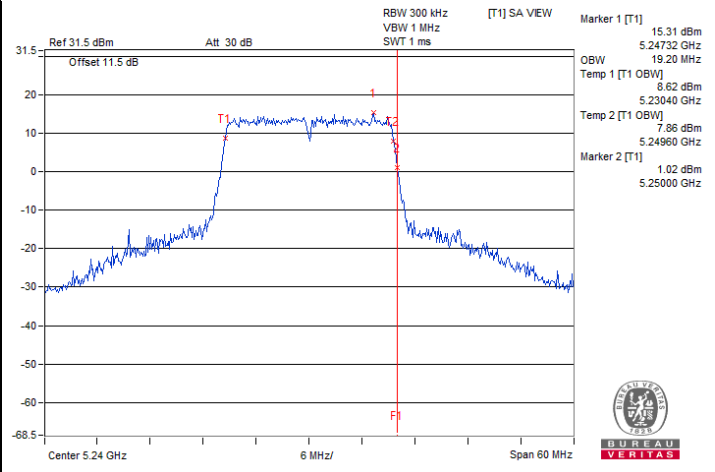
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48

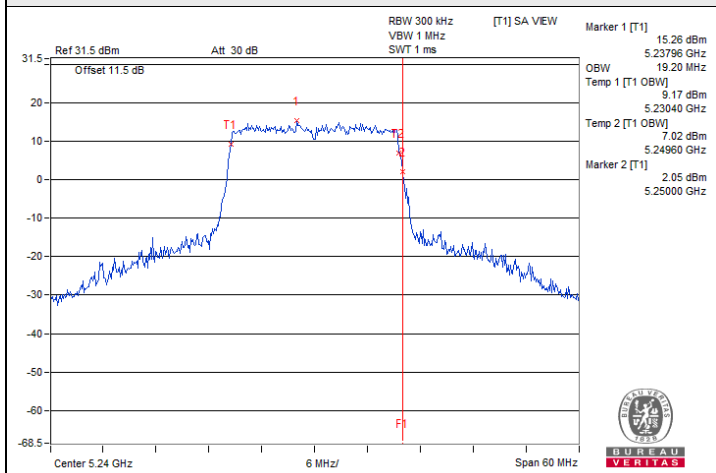


802.11be (EHT20) / Chain 0 : CH 48

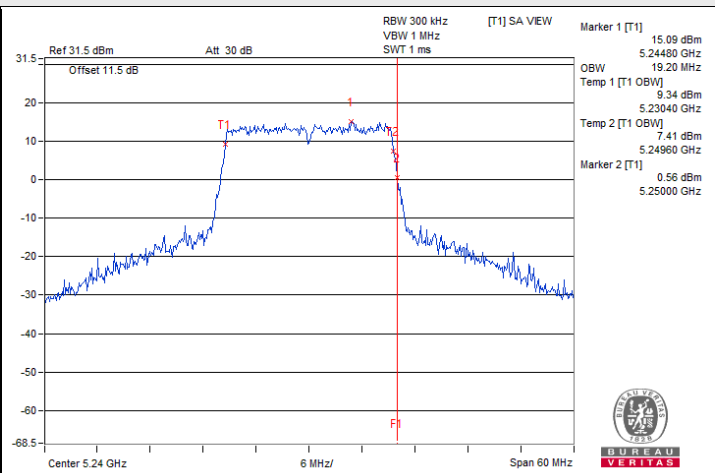


802.11be (EHT20) / Chain 1 : CH 48

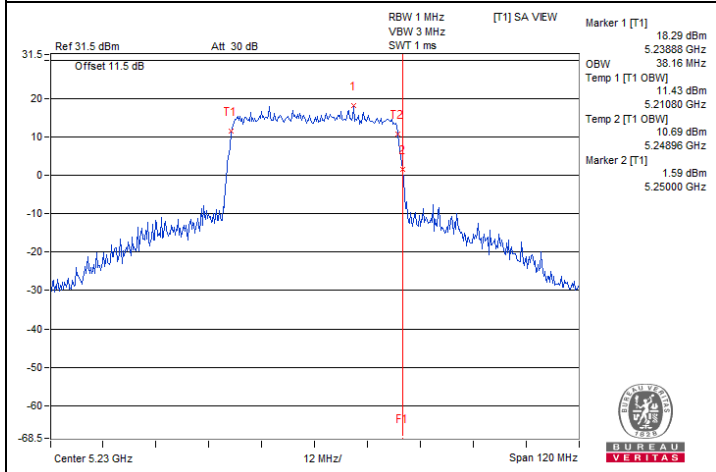
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



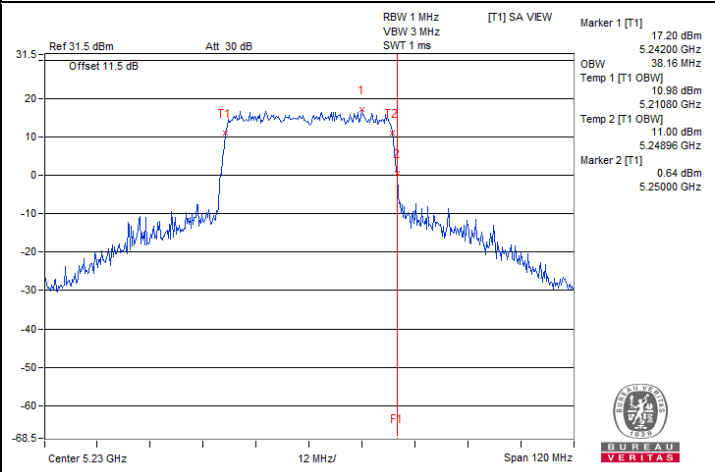
802.11be (EHT20) / Chain 2 : CH 48



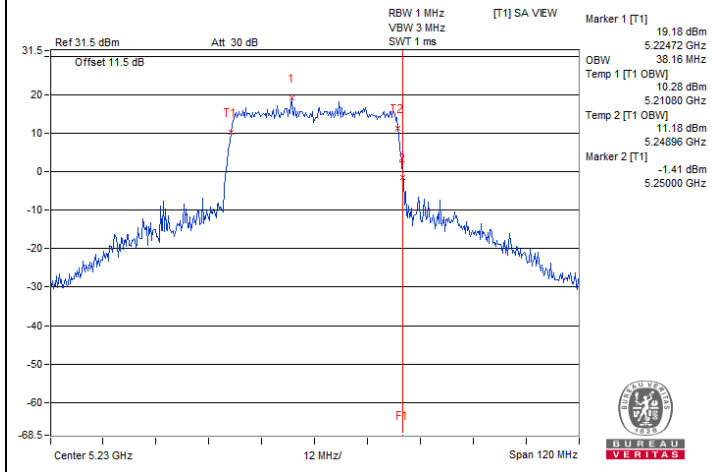
802.11be (EHT20) / Chain 3 : CH 48



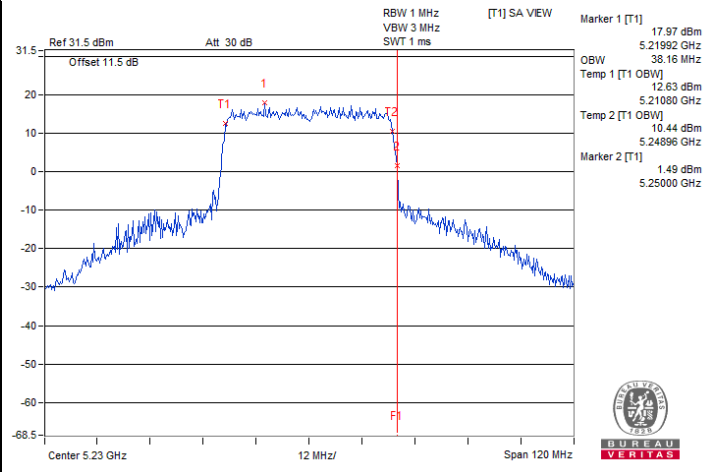
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT40) / Chain 1 : CH 46

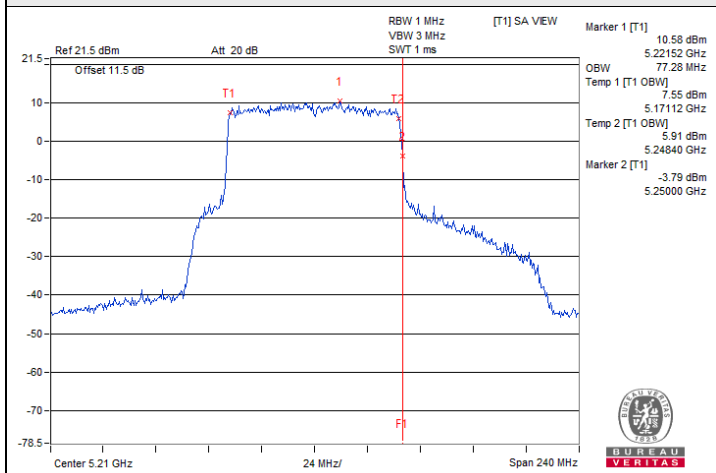


802.11be (EHT40) / Chain 2 : CH 46

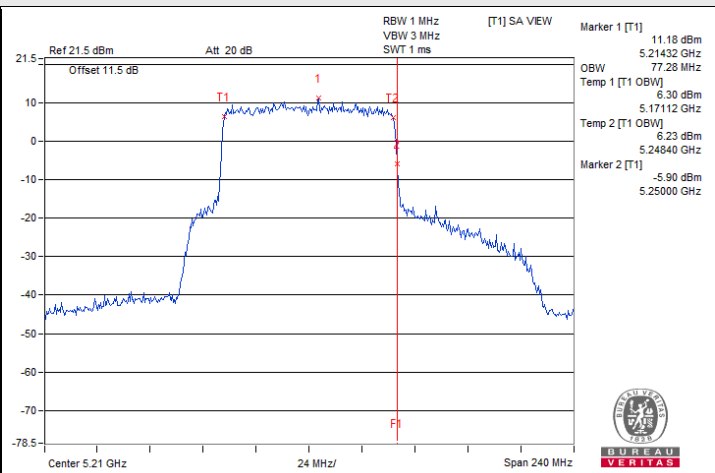


802.11be (EHT40) / Chain 3 : CH 46

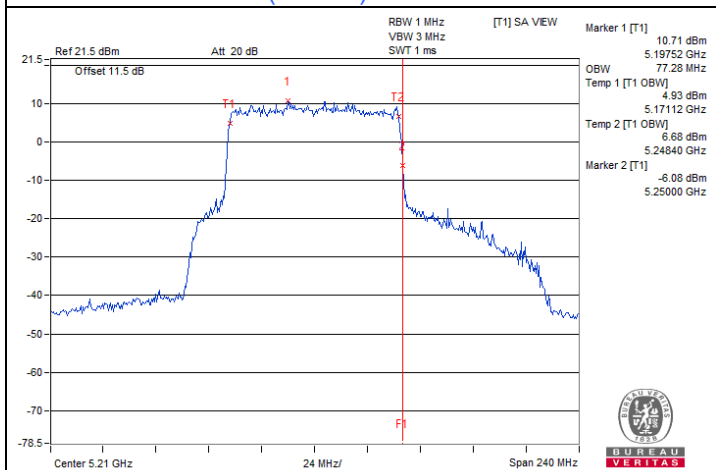
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



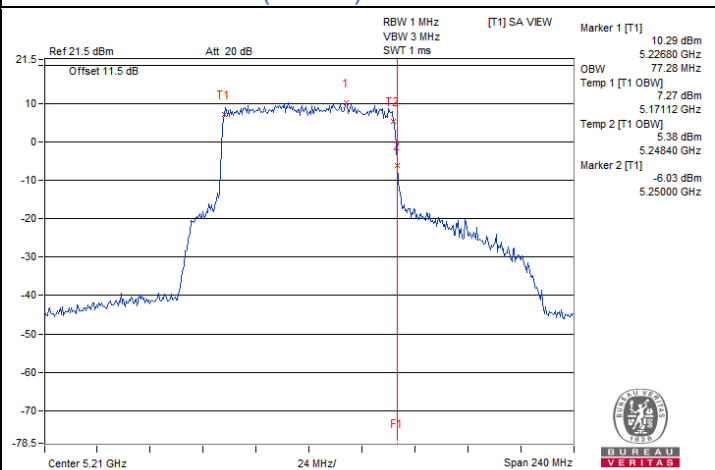
802.11be (EHT80) / Chain 0 : CH 42



802.11be (EHT80) / Chain 1 : CH 42



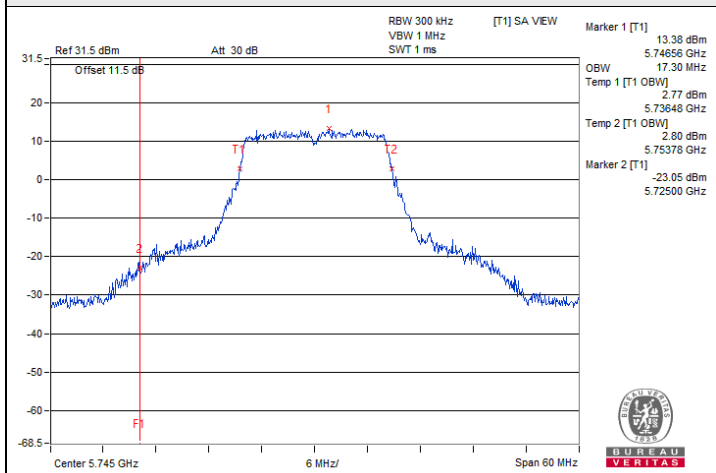
802.11be (EHT80) / Chain 2 : CH 42



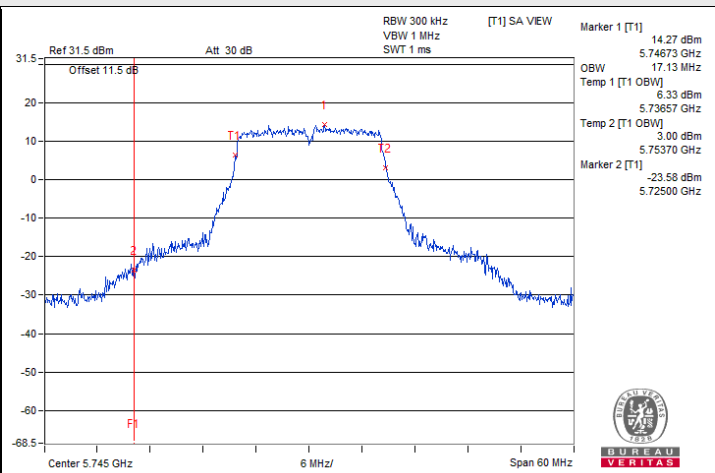
802.11be (EHT80) / Chain 3 : CH 42



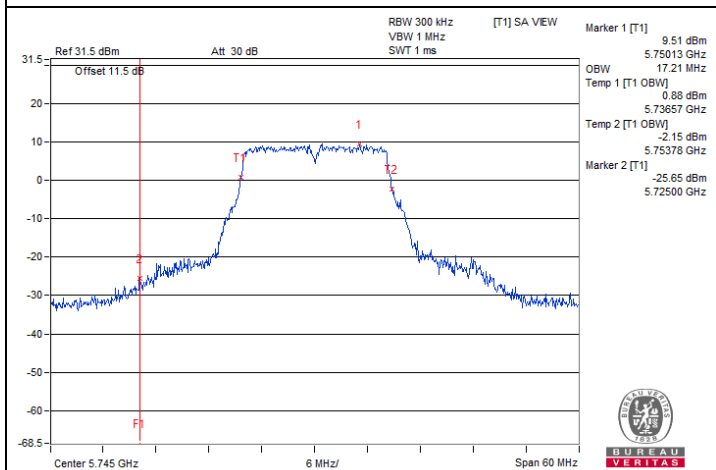
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



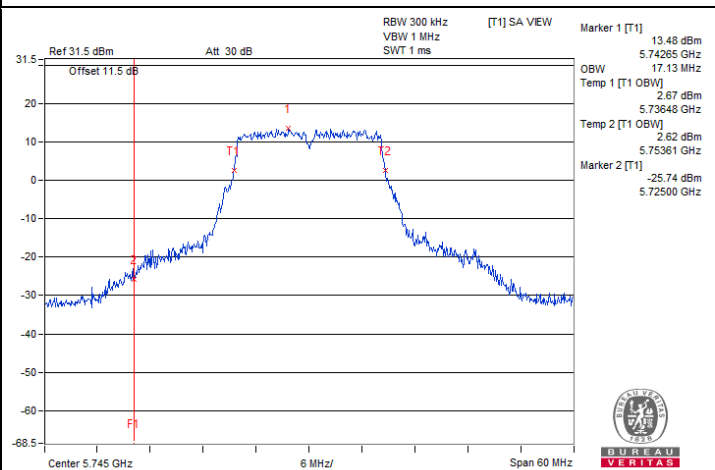
802.11a / Chain 0 : CH 149



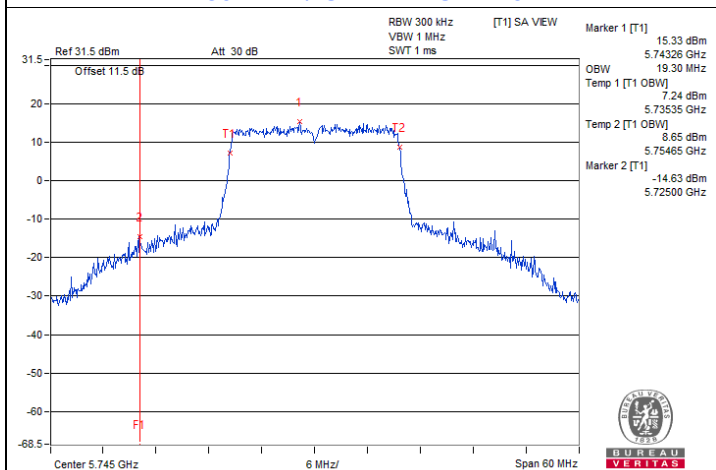
802.11a / Chain 1 : CH 149



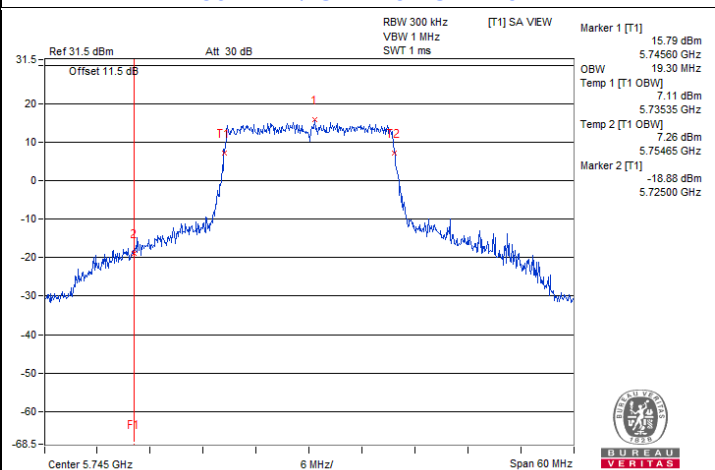
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149

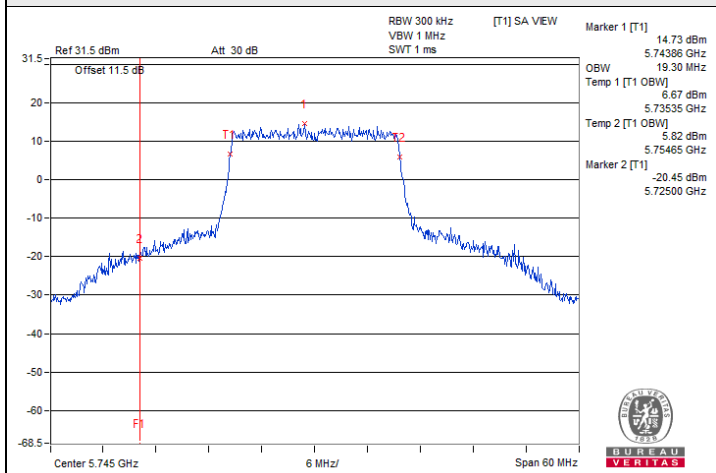


802.11be (EHT20) / Chain 0 : CH 149

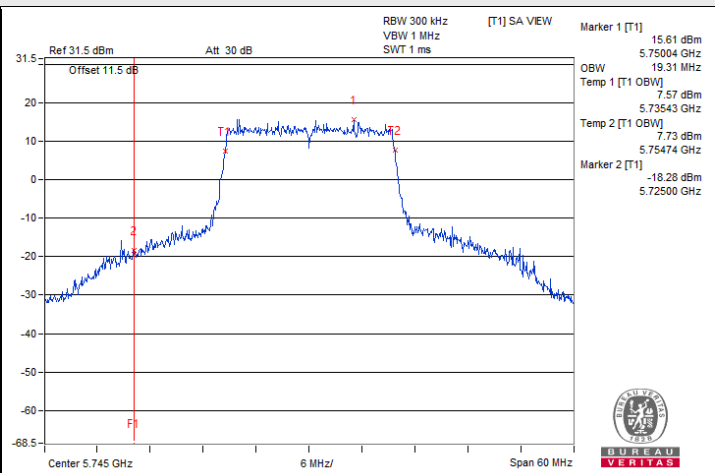


802.11be (EHT20) / Chain 1 : CH 149

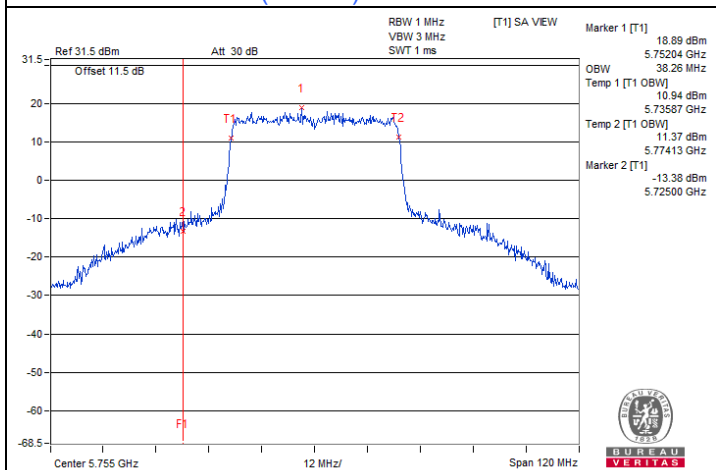
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



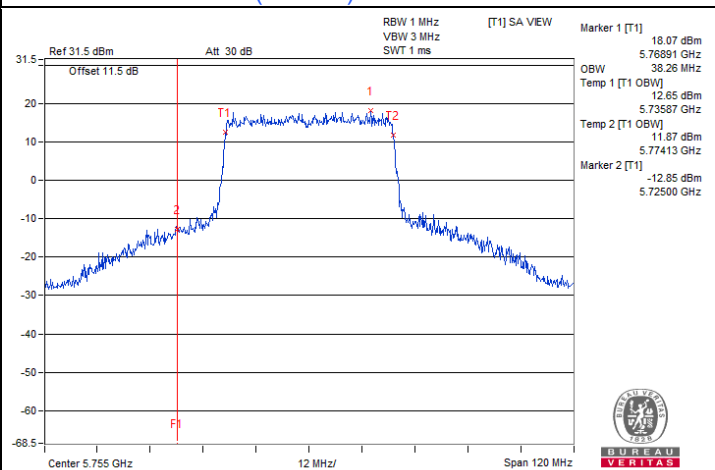
802.11be (EHT20) / Chain 2 : CH 149



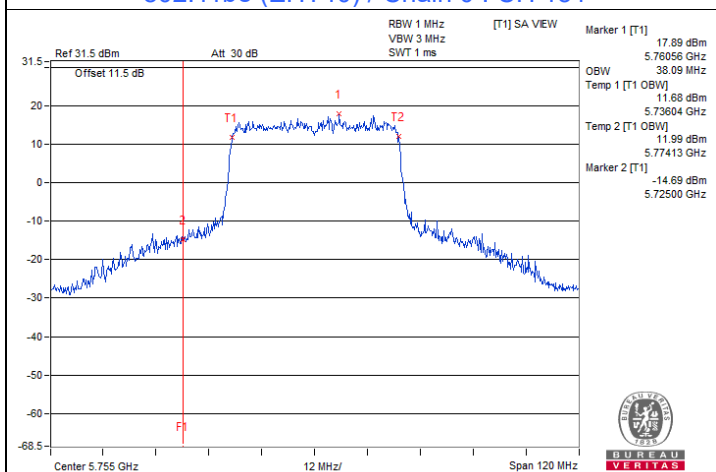
802.11be (EHT20) / Chain 3 : CH 149



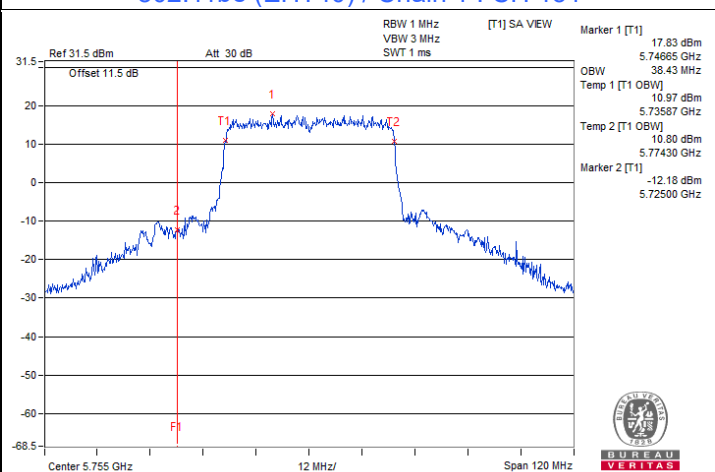
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151

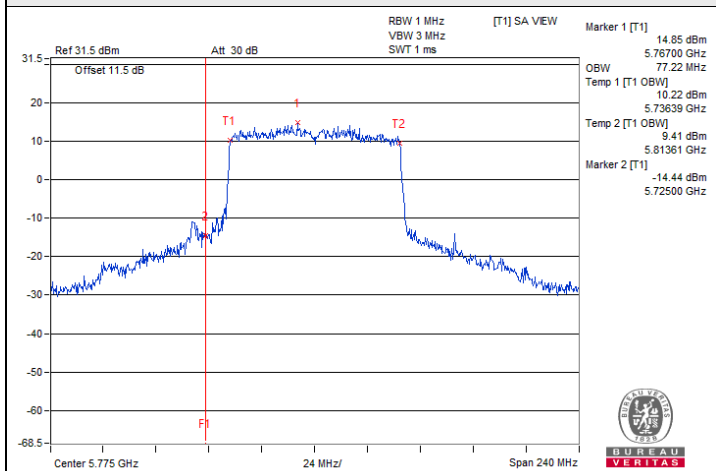


802.11be (EHT40) / Chain 2 : CH 151

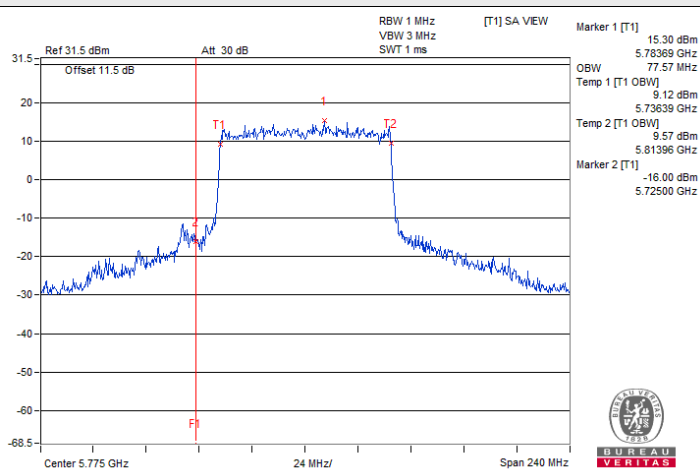


802.11be (EHT40) / Chain 3 : CH 151

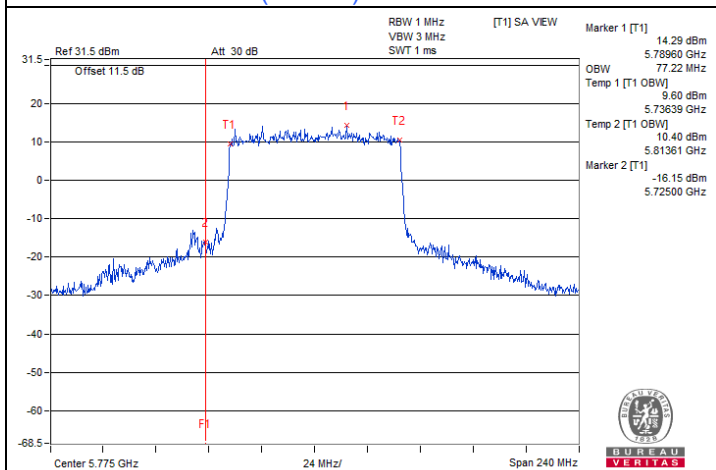
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



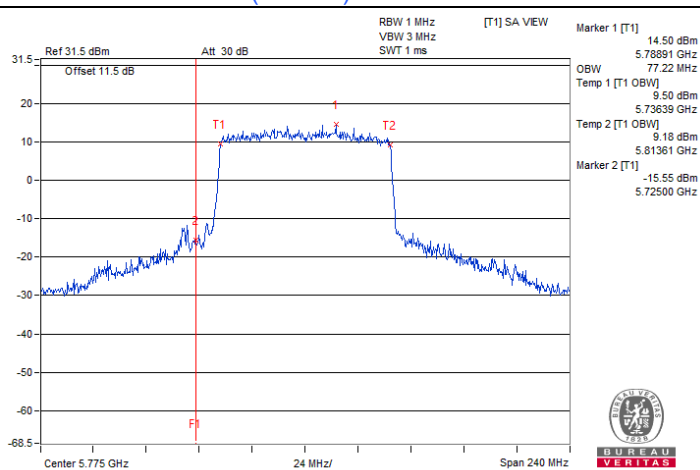
802.11be (EHT80) / Chain 0 : CH 155



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
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802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (°C)	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	5179.9936	Pass	5179.9925	Pass	5179.9945	Pass	5179.9936	Pass
30	120	5179.98	Pass	5179.9811	Pass	5179.9794	Pass	5179.9793	Pass
20	120	5179.9758	Pass	5179.9733	Pass	5179.9755	Pass	5179.9768	Pass
10	120	5179.9871	Pass	5179.9836	Pass	5179.9874	Pass	5179.9826	Pass
0	120	5179.9988	Pass	5179.9986	Pass	5179.9979	Pass	5179.9998	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	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	5179.9754	Pass	5179.9724	Pass	5179.9749	Pass	5179.9755	Pass
	120	5179.9758	Pass	5179.9733	Pass	5179.9755	Pass	5179.9768	Pass
	102	5179.984	Pass	5179.9791	Pass	5179.9806	Pass	5179.9827	Pass

7.7 AC Power Conducted Emissions

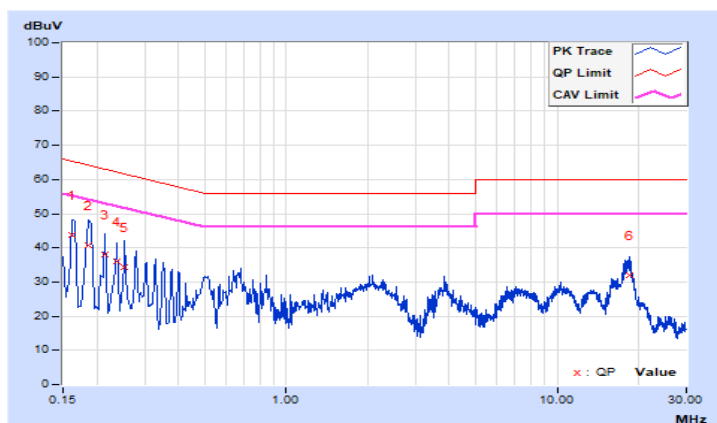
Test Mode A

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Luis Lee		

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	0.16200	9.67	34.18	15.57	43.85	25.24	65.36	55.36	-21.51	-30.12
2	0.18600	9.69	30.93	15.66	40.62	25.35	64.21	54.21	-23.59	-28.86
3	0.21400	9.71	28.23	15.31	37.94	25.02	63.05	53.05	-25.11	-28.03
4	0.23786	9.72	26.21	11.11	35.93	20.83	62.17	52.17	-26.24	-31.34
5	0.25400	9.72	24.77	9.83	34.49	19.55	61.63	51.63	-27.14	-32.08
6	18.45400	10.07	21.76	16.79	31.83	26.86	60.00	50.00	-28.17	-23.14

Remarks:

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

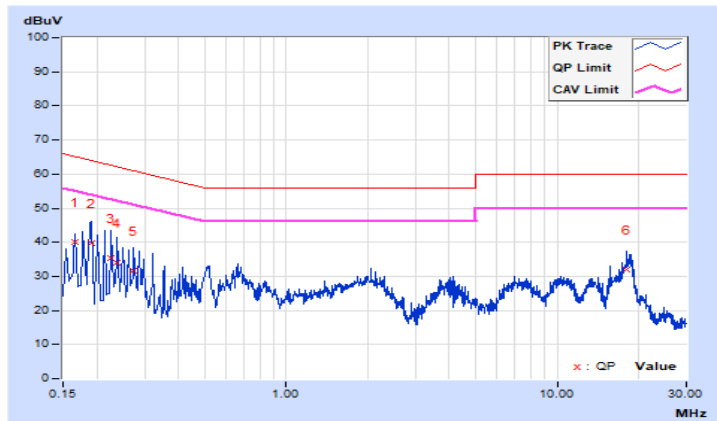


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Luis Lee		

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	0.16600	9.67	30.42	15.96	40.09	25.63	65.16	55.16	-25.07	-29.53
2	0.19000	9.69	29.96	13.24	39.65	22.93	64.04	54.04	-24.39	-31.11
3	0.22600	9.71	25.67	11.38	35.38	21.09	62.60	52.60	-27.22	-31.51
4	0.23800	9.71	24.35	11.22	34.06	20.93	62.17	52.17	-28.11	-31.24
5	0.27400	9.73	21.93	10.71	31.66	20.44	61.00	51.00	-29.34	-30.56
6	18.12600	10.14	21.72	16.52	31.86	26.66	60.00	50.00	-28.14	-23.34

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



Test Mode B

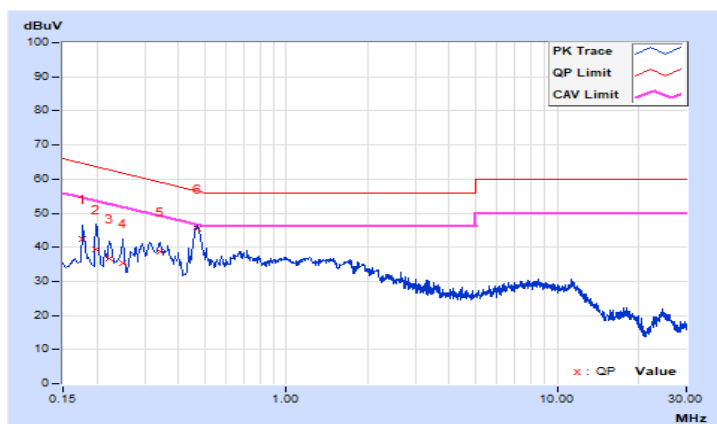
RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 70% RH
Tested By	Luis Lee		

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	0.17800	9.68	32.64	20.24	42.32	29.92	64.58	54.58	-22.26	-24.66
2	0.19800	9.70	29.66	18.44	39.36	28.14	63.69	53.69	-24.33	-25.55
3	0.22200	9.71	26.85	15.64	36.56	25.35	62.74	52.74	-26.18	-27.39
4	0.25000	9.72	25.53	14.28	35.25	24.00	61.76	51.76	-26.51	-27.76
5	0.34200	9.76	29.10	22.05	38.86	31.81	59.15	49.15	-20.29	-17.34
6	0.46814	9.80	35.54	29.16	45.34	38.96	56.55	46.55	-11.21	-7.59

Remarks:

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

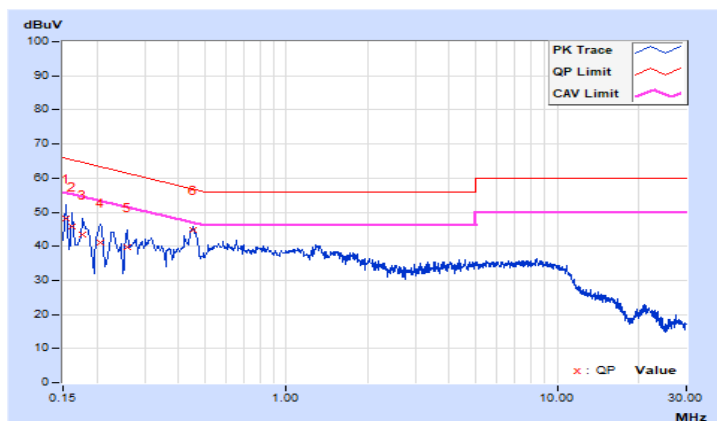


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 70% RH
Tested By	Luis Lee		

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	0.15400	9.66	38.54	27.37	48.20	37.03	65.78	55.78	-17.58	-18.75
2	0.16200	9.67	36.25	24.00	45.92	33.67	65.36	55.36	-19.44	-21.69
3	0.17800	9.68	33.91	23.44	43.59	33.12	64.58	54.58	-20.99	-21.46
4	0.20577	9.70	31.38	21.87	41.08	31.57	63.37	53.37	-22.29	-21.80
5	0.25800	9.72	30.05	23.03	39.77	32.75	61.50	51.50	-21.73	-18.75
6	0.45400	9.78	35.10	26.10	44.88	35.88	56.80	46.80	-11.92	-10.92

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

Test Mode A

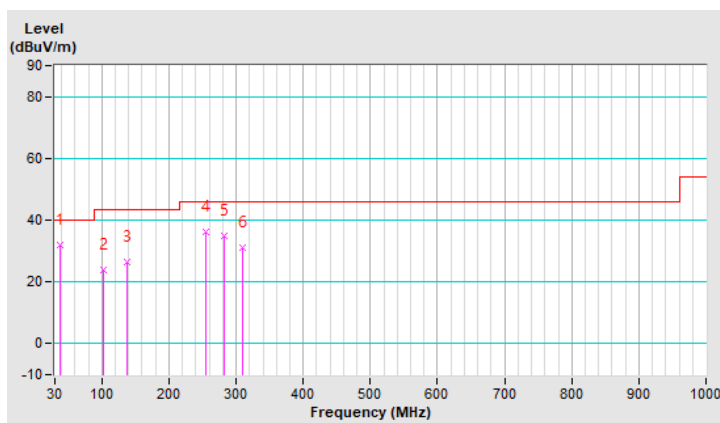
RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee		

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	38.43	31.8 QP	40.0	-8.2	1.00 H	188	41.4	-9.6
2	101.70	24.0 QP	43.5	-19.5	1.00 H	251	37.1	-13.1
3	138.25	26.3 QP	43.5	-17.2	1.00 H	186	35.5	-9.2
4	254.93	36.0 QP	46.0	-10.0	1.49 H	354	45.0	-9.0
5	283.04	35.1 QP	46.0	-10.9	1.49 H	242	42.9	-7.8
6	309.75	31.0 QP	46.0	-15.0	1.49 H	216	38.1	-7.1

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 emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

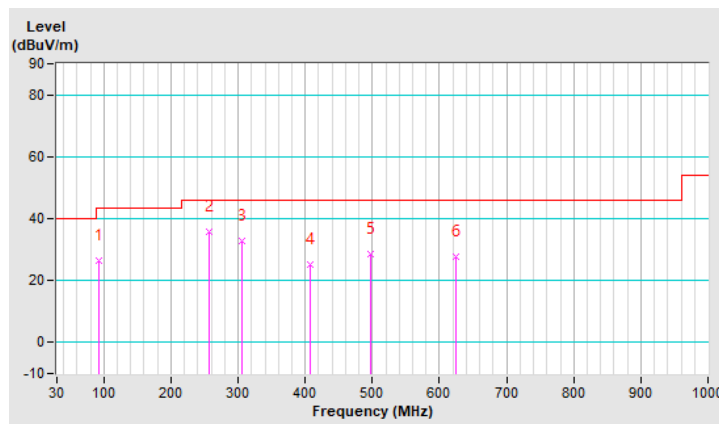


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee		

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	91.86	26.5 QP	43.5	-17.0	1.01 V	69	40.7	-14.2
2	257.74	35.9 QP	46.0	-10.1	1.50 V	343	44.8	-8.9
3	305.54	33.0 QP	46.0	-13.0	1.50 V	212	40.2	-7.2
4	408.16	25.2 QP	46.0	-20.8	1.01 V	6	31.0	-5.8
5	496.72	28.6 QP	46.0	-17.4	1.01 V	252	32.8	-4.2
6	624.65	27.8 QP	46.0	-18.2	1.01 V	174	29.0	-1.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



Test Mode B

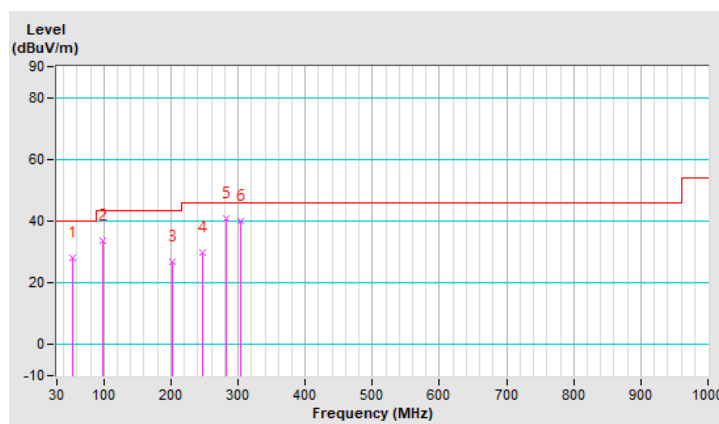
RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee		

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	52.49	28.3 QP	40.0	-11.7	1.49 H	110	37.1	-8.8
2	97.48	33.8 QP	43.5	-9.7	1.00 H	201	47.5	-13.7
3	202.91	26.9 QP	43.5	-16.6	1.49 H	268	38.3	-11.4
4	247.90	30.0 QP	46.0	-16.0	1.00 H	259	39.2	-9.2
5	281.64	41.0 QP	46.0	-5.0	1.00 H	345	48.8	-7.8
6	304.13	39.8 QP	46.0	-6.2	1.00 H	341	47.1	-7.3

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 of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

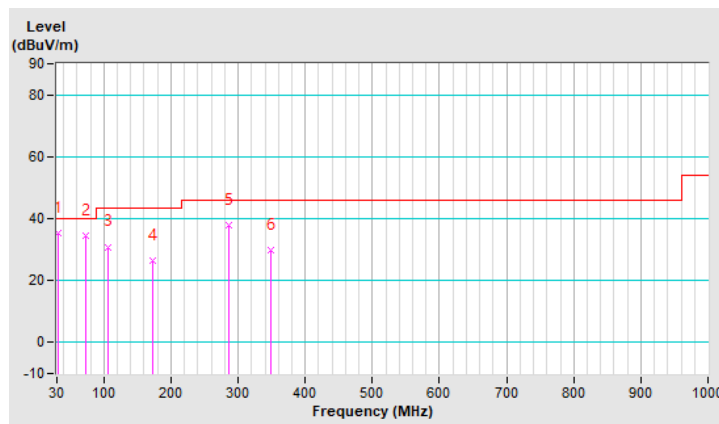


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee		

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	32.81	35.2 QP	40.0	-4.8	1.49 V	6	45.5	-10.3
2	73.58	34.5 QP	40.0	-5.5	1.00 V	227	45.9	-11.4
3	105.91	30.9 QP	43.5	-12.6	1.00 V	152	43.1	-12.2
4	171.99	26.6 QP	43.5	-16.9	1.00 V	199	35.6	-9.0
5	285.86	38.0 QP	46.0	-8.0	1.49 V	147	45.7	-7.7
6	349.12	29.8 QP	46.0	-16.2	1.49 V	64	36.5	-6.7

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 of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be 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 (AV) RB = 1 MHz, VB = 10 Hz
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	61.2 PK	74.0	-12.8	1.97 H	165	48.7	12.5
2	5150.00	48.4 AV	54.0	-5.6	1.97 H	165	35.9	12.5
3	*5180.00	118.0 PK			1.97 H	165	75.4	42.6
4	*5180.00	108.3 AV			1.97 H	165	65.7	42.6
5	#10360.00	62.9 PK	68.2	-5.3	1.92 H	311	40.5	22.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.8 PK	74.0	-11.2	1.42 V	88	50.3	12.5
2	5150.00	49.3 AV	54.0	-4.7	1.42 V	88	36.8	12.5
3	*5180.00	120.9 PK			1.42 V	88	78.3	42.6
4	*5180.00	111.4 AV			1.42 V	88	68.8	42.6
5	#10360.00	63.9 PK	68.2	-4.3	1.33 V	133	41.5	22.4

Remarks:

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



RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	118.3 PK			1.93 H	163	75.8	42.5
2	*5200.00	108.1 AV			1.93 H	163	65.6	42.5
3	#10400.00	63.2 PK	68.2	-5.0	1.95 H	319	40.5	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	*5200.00	123.1 PK			1.50 V	93	80.6	42.5
2	*5200.00	112.8 AV			1.50 V	93	70.3	42.5
3	#10400.00	63.4 PK	68.2	-4.8	1.55 V	216	40.7	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 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	118.2 PK			2.01 H	166	75.8	42.4
2	*5240.00	108.6 AV			2.01 H	166	66.2	42.4
3	5350.00	59.3 PK	74.0	-14.7	2.01 H	166	47.0	12.3
4	5350.00	46.8 AV	54.0	-7.2	2.01 H	166	34.5	12.3
5	#10480.00	62.9 PK	68.2	-5.3	1.87 H	305	40.2	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	*5240.00	121.5 PK			1.42 V	87	79.1	42.4
2	*5240.00	112.4 AV			1.42 V	87	70.0	42.4
3	5350.00	59.6 PK	74.0	-14.4	1.42 V	87	47.3	12.3
4	5350.00	46.9 AV	54.0	-7.1	1.42 V	87	34.6	12.3
5	#10480.00	63.2 PK	68.2	-5.0	2.11 V	151	40.5	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	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	59.5 PK	74.0	-14.5	1.45 H	263	47.0	12.5
2	5150.00	46.0 AV	54.0	-8.0	1.45 H	263	33.5	12.5
3	*5260.00	112.2 PK			1.45 H	263	69.8	42.4
4	*5260.00	102.5 AV			1.45 H	263	60.1	42.4
5	#10520.00	63.5 PK	68.2	-4.7	1.88 H	310	41.0	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	5150.00	59.7 PK	74.0	-14.3	1.50 V	31	47.2	12.5
2	5150.00	46.4 AV	54.0	-7.6	1.50 V	31	33.9	12.5
3	*5260.00	115.5 PK			1.50 V	31	73.1	42.4
4	*5260.00	106.0 AV			1.50 V	31	63.6	42.4
5	#10520.00	63.7 PK	68.2	-4.5	2.05 V	212	41.2	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.
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 (AV) RB = 1 MHz, VB = 10 Hz
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	112.5 PK			1.44 H	264	70.0	42.5
2	*5300.00	102.2 AV			1.44 H	264	59.7	42.5
3	10600.00	62.2 PK	74.0	-11.8	1.84 H	336	39.8	22.4
4	10600.00	48.2 AV	54.0	-5.8	1.84 H	336	25.8	22.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	115.5 PK			1.51 V	40	73.0	42.5
2	*5300.00	105.3 AV			1.51 V	40	62.8	42.5
3	10600.00	62.4 PK	74.0	-11.6	1.31 V	100	40.0	22.4
4	10600.00	48.5 AV	54.0	-5.5	1.31 V	100	26.1	22.4

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
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	111.1 PK			1.35 H	267	68.6	42.5
2	*5320.00	101.1 AV			1.35 H	267	58.6	42.5
3	5350.00	59.5 PK	74.0	-14.5	1.35 H	267	47.2	12.3
4	5350.00	46.7 AV	54.0	-7.3	1.35 H	267	34.4	12.3
5	10640.00	63.7 PK	74.0	-10.3	1.74 H	304	41.0	22.7
6	10640.00	49.0 AV	54.0	-5.0	1.74 H	304	26.3	22.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.0 PK			1.50 V	88	72.5	42.5
2	*5320.00	105.2 AV			1.50 V	88	62.7	42.5
3	5350.00	59.9 PK	74.0	-14.1	1.50 V	88	47.6	12.3
4	5350.00	47.1 AV	54.0	-6.9	1.50 V	88	34.8	12.3
5	10640.00	63.8 PK	74.0	-10.2	1.33 V	325	41.1	22.7
6	10640.00	49.3 AV	54.0	-4.7	1.33 V	325	26.6	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.



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 (AV) RB = 1 MHz, VB = 10 Hz
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	61.2 PK	74.0	-12.8	2.07 H	160	48.5	12.7
2	5460.00	48.1 AV	54.0	-5.9	2.07 H	160	35.4	12.7
3	#5470.00	61.8 PK	68.2	-6.4	2.07 H	160	49.2	12.6
4	*5500.00	113.0 PK			2.07 H	160	69.9	43.1
5	*5500.00	103.0 AV			2.07 H	160	59.9	43.1
6	11000.00	62.4 PK	74.0	-11.6	1.79 H	304	39.5	22.9
7	11000.00	48.7 AV	54.0	-5.3	1.79 H	304	25.8	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	61.6 PK	74.0	-12.4	1.42 V	30	48.9	12.7
2	5460.00	48.6 AV	54.0	-5.4	1.42 V	30	35.9	12.7
3	#5470.00	62.1 PK	68.2	-6.1	1.42 V	30	49.5	12.6
4	*5500.00	116.0 PK			1.42 V	30	72.9	43.1
5	*5500.00	106.3 AV			1.42 V	30	63.2	43.1
6	11000.00	62.9 PK	74.0	-11.1	1.39 V	105	40.0	22.9
7	11000.00	49.2 AV	54.0	-4.8	1.39 V	105	26.3	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	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	*5580.00	113.0 PK			1.98 H	160	70.1	42.9
2	*5580.00	103.1 AV			1.98 H	160	60.2	42.9
3	11160.00	62.9 PK	74.0	-11.1	1.90 H	294	39.7	23.2
4	11160.00	48.9 AV	54.0	-5.1	1.90 H	294	25.7	23.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	116.1 PK			1.44 V	29	73.2	42.9
2	*5580.00	106.1 AV			1.44 V	29	63.2	42.9
3	11160.00	63.3 PK	74.0	-10.7	1.45 V	112	40.1	23.2
4	11160.00	49.4 AV	54.0	-4.6	1.45 V	112	26.2	23.2

Remarks:

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



RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	*5700.00	113.6 PK			1.80 H	167	70.6	43.0
2	*5700.00	102.9 AV			1.80 H	167	59.9	43.0
3	#5725.00	65.0 PK	68.2	-3.2	1.80 H	167	51.9	13.1
4	11400.00	63.4 PK	74.0	-10.6	1.88 H	314	39.4	24.0
5	11400.00	49.7 AV	54.0	-4.3	1.88 H	314	25.7	24.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.9 PK			1.45 V	31	72.9	43.0
2	*5700.00	105.6 AV			1.45 V	31	62.6	43.0
3	#5725.00	67.1 PK	68.2	-1.1	1.45 V	31	54.0	13.1
4	11400.00	64.0 PK	74.0	-10.0	1.49 V	115	40.0	24.0
5	11400.00	50.1 AV	54.0	-3.9	1.49 V	115	26.1	24.0

Remarks:

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



RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5470.00	60.6 PK	68.2	-7.6	1.80 H	167	48.0	12.6
2	*5720.00	112.5 PK			1.80 H	167	69.3	43.2
3	*5720.00	101.6 AV			1.80 H	167	58.4	43.2
4	#5850.00	61.2 PK	68.2	-7.0	1.80 H	167	47.8	13.4
5	11440.00	63.5 PK	74.0	-10.5	1.86 H	318	39.5	24.0
6	11440.00	49.9 AV	54.0	-4.1	1.86 H	318	25.9	24.0

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	#5470.00	61.0 PK	68.2	-7.2	1.45 V	31	48.4	12.6
2	*5720.00	115.2 PK			1.45 V	31	72.0	43.2
3	*5720.00	104.9 AV			1.45 V	31	61.7	43.2
4	#5850.00	61.6 PK	68.2	-6.6	1.45 V	31	48.2	13.4
5	11440.00	63.8 PK	74.0	-10.2	1.58 V	119	39.8	24.0
6	11440.00	50.0 AV	54.0	-4.0	1.58 V	119	26.0	24.0

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5612.40	61.5 PK	68.2	-6.7	2.12 H	176	49.0	12.5
2	*5745.00	117.9 PK			2.12 H	176	74.5	43.4
3	*5745.00	108.5 AV			2.12 H	176	65.1	43.4
4	#5942.80	62.8 PK	68.2	-5.4	2.12 H	176	49.1	13.7
5	11490.00	64.3 PK	74.0	-9.7	1.92 H	319	40.3	24.0
6	11490.00	50.2 AV	54.0	-3.8	1.92 H	319	26.2	24.0

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	#5646.00	60.5 PK	68.2	-7.7	1.28 V	32	47.8	12.7
2	*5745.00	120.9 PK			1.28 V	32	77.5	43.4
3	*5745.00	111.8 AV			1.28 V	32	68.4	43.4
4	#5968.40	60.9 PK	68.2	-7.3	1.28 V	32	47.2	13.7
5	11490.00	64.2 PK	74.0	-9.8	1.68 V	122	40.2	24.0
6	11490.00	50.5 AV	54.0	-3.5	1.68 V	122	26.5	24.0

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5645.20	60.0 PK	68.2	-8.2	2.10 H	174	47.3	12.7
2	*5785.00	118.3 PK			2.10 H	174	74.7	43.6
3	*5785.00	108.7 AV			2.10 H	174	65.1	43.6
4	#5954.80	60.8 PK	68.2	-7.4	2.10 H	174	47.1	13.7
5	11570.00	63.6 PK	74.0	-10.4	1.88 H	325	39.7	23.9
6	11570.00	50.1 AV	54.0	-3.9	1.88 H	325	26.2	23.9

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	#5622.80	59.8 PK	68.2	-8.4	1.31 V	32	47.3	12.5
2	*5785.00	121.2 PK			1.31 V	32	77.6	43.6
3	*5785.00	111.7 AV			1.31 V	32	68.1	43.6
4	#5939.20	60.8 PK	68.2	-7.4	1.31 V	32	47.1	13.7
5	11570.00	64.0 PK	74.0	-10.0	1.65 V	128	40.1	23.9
6	11570.00	50.3 AV	54.0	-3.7	1.65 V	128	26.4	23.9

Remarks:

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



RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5638.00	60.0 PK	68.2	-8.2	1.94 H	174	47.3	12.7
2	*5825.00	117.6 PK			1.94 H	174	73.8	43.8
3	*5825.00	107.5 AV			1.94 H	174	63.7	43.8
4	#5931.60	61.5 PK	68.2	-6.7	1.94 H	174	47.8	13.7
5	11650.00	62.9 PK	74.0	-11.1	1.85 H	304	39.6	23.3
6	11650.00	49.3 AV	54.0	-4.7	1.85 H	304	26.0	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	#5624.80	59.8 PK	68.2	-8.4	1.93 V	31	47.3	12.5
2	*5825.00	121.2 PK			1.93 V	31	77.4	43.8
3	*5825.00	111.3 AV			1.93 V	31	67.5	43.8
4	#5960.00	60.8 PK	68.2	-7.4	1.93 V	31	47.1	13.7
5	11650.00	63.3 PK	74.0	-10.7	1.65 V	125	40.0	23.3
6	11650.00	49.6 AV	54.0	-4.4	1.65 V	125	26.3	23.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	62.1 PK	74.0	-11.9	2.02 H	154	49.6	12.5
2	5150.00	48.5 AV	54.0	-5.5	2.02 H	154	36.0	12.5
3	*5180.00	118.3 PK			2.02 H	154	75.7	42.6
4	*5180.00	106.6 AV			2.02 H	154	64.0	42.6
5	#10360.00	62.9 PK	68.2	-5.3	1.97 H	318	40.5	22.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.0 PK	74.0	-10.0	1.45 V	239	51.5	12.5
2	5150.00	50.4 AV	54.0	-3.6	1.45 V	239	37.9	12.5
3	*5180.00	122.3 PK			1.45 V	239	79.7	42.6
4	*5180.00	110.5 AV			1.45 V	239	67.9	42.6
5	#10360.00	63.6 PK	68.2	-4.6	1.51 V	100	41.2	22.4

Remarks:

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



RF Mode	802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	120.0 PK			2.23 H	155	77.5	42.5
2	*5200.00	107.5 AV			2.23 H	155	65.0	42.5
3	#10400.00	63.0 PK	68.2	-5.2	1.87 H	318	40.3	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	123.2 PK			1.50 V	233	80.7	42.5
2	*5200.00	110.9 AV			1.50 V	233	68.4	42.5
3	#10400.00	63.8 PK	68.2	-4.4	1.33 V	100	41.1	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 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	119.8 PK			2.26 H	155	77.4	42.4
2	*5240.00	108.0 AV			2.26 H	155	65.6	42.4
3	5350.00	59.5 PK	74.0	-14.5	2.26 H	155	47.2	12.3
4	5350.00	46.8 AV	54.0	-7.2	2.26 H	155	34.5	12.3
5	#10480.00	62.4 PK	68.2	-5.8	1.87 H	312	39.7	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	*5240.00	123.3 PK			1.45 V	35	80.9	42.4
2	*5240.00	111.8 AV			1.45 V	35	69.4	42.4
3	5350.00	59.8 PK	74.0	-14.2	1.45 V	35	47.5	12.3
4	5350.00	47.1 AV	54.0	-6.9	1.45 V	35	34.8	12.3
5	#10480.00	62.7 PK	68.2	-5.5	1.01 V	119	40.0	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 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	*5260.00	114.2 PK			1.22 H	122	71.8	42.4
2	*5260.00	101.9 AV			1.22 H	122	59.5	42.4
3	5350.00	59.4 PK	74.0	-14.6	1.22 H	122	47.1	12.3
4	5350.00	45.8 AV	54.0	-8.2	1.22 H	122	33.5	12.3
5	#10520.00	62.6 PK	68.2	-5.6	1.96 H	314	40.1	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	*5260.00	116.0 PK			1.50 V	93	73.6	42.4
2	*5260.00	104.8 AV			1.50 V	93	62.4	42.4
3	5350.00	60.3 PK	74.0	-13.7	1.50 V	93	48.0	12.3
4	5350.00	46.2 AV	54.0	-7.8	1.50 V	93	33.9	12.3
5	#10520.00	62.8 PK	68.2	-5.4	3.13 V	302	40.3	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.
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 (AV) RB = 1 MHz, VB = 10 Hz
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	113.6 PK			1.28 H	140	71.1	42.5
2	*5300.00	103.2 AV			1.28 H	140	60.7	42.5
3	10600.00	63.4 PK	74.0	-10.6	1.78 H	311	41.0	22.4
4	10600.00	48.3 AV	54.0	-5.7	1.78 H	311	25.9	22.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.8 PK			1.50 V	30	74.3	42.5
2	*5300.00	105.8 AV			1.50 V	30	63.3	42.5
3	10600.00	63.6 PK	74.0	-10.4	3.18 V	177	41.2	22.4
4	10600.00	48.7 AV	54.0	-5.3	3.18 V	177	26.3	22.4

Remarks:

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



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 (AV) RB = 1 MHz, VB = 10 Hz
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	115.2 PK			1.80 H	159	72.7	42.5
2	*5320.00	102.6 AV			1.80 H	159	60.1	42.5
3	5350.00	61.4 PK	74.0	-12.6	1.80 H	159	49.1	12.3
4	5350.00	47.1 AV	54.0	-6.9	1.80 H	159	34.8	12.3
5	10640.00	63.9 PK	74.0	-10.1	1.91 H	314	41.2	22.7
6	10640.00	48.8 AV	54.0	-5.2	1.91 H	314	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	*5320.00	118.2 PK			1.52 V	33	75.7	42.5
2	*5320.00	105.6 AV			1.52 V	33	63.1	42.5
3	5350.00	62.2 PK	74.0	-11.8	1.52 V	33	49.9	12.3
4	5350.00	47.7 AV	54.0	-6.3	1.52 V	33	35.4	12.3
5	10640.00	64.7 PK	74.0	-9.3	1.31 V	100	42.0	22.7
6	10640.00	49.3 AV	54.0	-4.7	1.31 V	100	26.6	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.



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 (AV) RB = 1 MHz, VB = 10 Hz
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	61.7 PK	74.0	-12.3	2.03 H	151	49.0	12.7
2	5460.00	47.9 AV	54.0	-6.1	2.03 H	151	35.2	12.7
3	#5470.00	60.8 PK	68.2	-7.4	2.03 H	151	48.2	12.6
4	*5500.00	114.1 PK			2.03 H	151	71.0	43.1
5	*5500.00	102.3 AV			2.03 H	151	59.2	43.1
6	11000.00	62.4 PK	74.0	-11.6	1.73 H	294	39.5	22.9
7	11000.00	48.5 AV	54.0	-5.5	1.73 H	294	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	5460.00	62.3 PK	74.0	-11.7	1.53 V	29	49.6	12.7
2	5460.00	48.2 AV	54.0	-5.8	1.53 V	29	35.5	12.7
3	#5470.00	61.6 PK	68.2	-6.6	1.53 V	29	49.0	12.6
4	*5500.00	117.3 PK			1.53 V	29	74.2	43.1
5	*5500.00	105.4 AV			1.53 V	29	62.3	43.1
6	11000.00	62.6 PK	74.0	-11.4	1.62 V	121	39.7	22.9
7	11000.00	49.0 AV	54.0	-5.0	1.62 V	121	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 (EHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	*5580.00	113.9 PK			1.99 H	148	71.0	42.9
2	*5580.00	101.5 AV			1.99 H	148	58.6	42.9
3	11160.00	62.4 PK	74.0	-11.6	1.86 H	297	39.2	23.2
4	11160.00	48.8 AV	54.0	-5.2	1.86 H	297	25.6	23.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	117.1 PK			1.48 V	32	74.2	42.9
2	*5580.00	104.8 AV			1.48 V	32	61.9	42.9
3	11160.00	62.9 PK	74.0	-11.1	1.55 V	115	39.7	23.2
4	11160.00	49.2 AV	54.0	-4.8	1.55 V	115	26.0	23.2

Remarks:

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



RF Mode	802.11be (EHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	*5700.00	113.2 PK			2.04 H	156	70.2	43.0
2	*5700.00	101.3 AV			2.04 H	156	58.3	43.0
3	#5725.00	62.3 PK	68.2	-5.9	2.04 H	156	49.2	13.1
4	11400.00	63.3 PK	74.0	-10.7	1.97 H	289	39.3	24.0
5	11400.00	49.9 AV	54.0	-4.1	1.97 H	289	25.9	24.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	116.7 PK			1.45 V	29	73.7	43.0
2	*5700.00	104.5 AV			1.45 V	29	61.5	43.0
3	#5725.00	62.7 PK	68.2	-5.5	1.45 V	29	49.6	13.1
4	11400.00	63.8 PK	74.0	-10.2	1.57 V	122	39.8	24.0
5	11400.00	50.1 AV	54.0	-3.9	1.57 V	122	26.1	24.0

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 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5470.00	60.6 PK	68.2	-7.6	2.10 H	153	48.0	12.6
2	*5720.00	113.4 PK			2.10 H	153	70.2	43.2
3	*5720.00	101.6 AV			2.10 H	153	58.4	43.2
4	#5850.00	61.3 PK	68.2	-6.9	2.10 H	153	47.9	13.4
5	11440.00	63.2 PK	74.0	-10.8	1.74 H	306	39.2	24.0
6	11440.00	49.7 AV	54.0	-4.3	1.74 H	306	25.7	24.0

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	#5470.00	60.9 PK	68.2	-7.3	1.41 V	30	48.3	12.6
2	*5720.00	116.9 PK			1.41 V	30	73.7	43.2
3	*5720.00	104.8 AV			1.41 V	30	61.6	43.2
4	#5850.00	61.8 PK	68.2	-6.4	1.41 V	30	48.4	13.4
5	11440.00	63.6 PK	74.0	-10.4	1.62 V	123	39.6	24.0
6	11440.00	50.1 AV	54.0	-3.9	1.62 V	123	26.1	24.0

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5632.00	60.1 PK	68.2	-8.1	1.34 H	129	47.4	12.7
2	*5745.00	118.7 PK			1.34 H	129	75.3	43.4
3	*5745.00	107.1 AV			1.34 H	129	63.7	43.4
4	#5996.00	61.8 PK	68.2	-6.4	1.34 H	129	48.2	13.6
5	11490.00	63.5 PK	74.0	-10.5	1.88 H	324	39.5	24.0
6	11490.00	50.3 AV	54.0	-3.7	1.88 H	324	26.3	24.0

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	#5612.40	61.1 PK	68.2	-7.1	2.01 V	35	48.6	12.5
2	*5745.00	122.3 PK			2.01 V	35	78.9	43.4
3	*5745.00	110.8 AV			2.01 V	35	67.4	43.4
4	#5958.00	61.1 PK	68.2	-7.1	2.01 V	35	47.4	13.7
5	11490.00	64.0 PK	74.0	-10.0	1.69 V	122	40.0	24.0
6	11490.00	50.4 AV	54.0	-3.6	1.69 V	122	26.4	24.0

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 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5630.00	59.9 PK	68.2	-8.3	2.25 H	131	47.2	12.7
2	*5785.00	119.0 PK			2.25 H	131	75.4	43.6
3	*5785.00	107.2 AV			2.25 H	131	63.6	43.6
4	#5937.20	61.2 PK	68.2	-7.0	2.25 H	131	47.5	13.7
5	11570.00	63.6 PK	74.0	-10.4	1.86 H	304	39.7	23.9
6	11570.00	50.0 AV	54.0	-4.0	1.86 H	304	26.1	23.9

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	#5640.00	60.0 PK	68.2	-8.2	1.96 V	35	47.3	12.7
2	*5785.00	123.2 PK			1.96 V	35	79.6	43.6
3	*5785.00	111.7 AV			1.96 V	35	68.1	43.6
4	#5960.80	60.6 PK	68.2	-7.6	1.96 V	35	46.9	13.7
5	11570.00	64.0 PK	74.0	-10.0	1.64 V	118	40.1	23.9
6	11570.00	50.2 AV	54.0	-3.8	1.64 V	118	26.3	23.9

Remarks:

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



RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5624.00	60.6 PK	68.2	-7.6	2.40 H	129	48.1	12.5
2	*5825.00	119.8 PK			2.40 H	129	76.0	43.8
3	*5825.00	107.6 AV			2.40 H	129	63.8	43.8
4	#5963.60	61.6 PK	68.2	-6.6	2.40 H	129	47.9	13.7
5	11650.00	63.0 PK	74.0	-11.0	1.95 H	309	39.7	23.3
6	11650.00	49.1 AV	54.0	-4.9	1.95 H	309	25.8	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	#5640.00	60.0 PK	68.2	-8.2	2.03 V	35	47.3	12.7
2	*5825.00	123.9 PK			2.03 V	35	80.1	43.8
3	*5825.00	111.1 AV			2.03 V	35	67.3	43.8
4	#5941.60	61.8 PK	68.2	-6.4	2.03 V	35	48.1	13.7
5	11650.00	63.3 PK	74.0	-10.7	1.64 V	125	40.0	23.3
6	11650.00	49.5 AV	54.0	-4.5	1.64 V	125	26.2	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 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	61.0 PK	74.0	-13.0	2.27 H	158	48.5	12.5
2	5150.00	48.8 AV	54.0	-5.2	2.27 H	158	36.3	12.5
3	*5190.00	114.1 PK			2.27 H	158	71.5	42.6
4	*5190.00	101.5 AV			2.27 H	158	58.9	42.6
5	#10380.00	62.2 PK	68.2	-6.0	1.82 H	308	39.7	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	5150.00	65.5 PK	74.0	-8.5	1.45 V	92	53.0	12.5
2	5150.00	53.5 AV	54.0	-0.5	1.45 V	92	41.0	12.5
3	*5190.00	118.2 PK			1.45 V	92	75.6	42.6
4	*5190.00	105.4 AV			1.45 V	92	62.8	42.6
5	#10380.00	62.5 PK	68.2	-5.7	1.00 V	102	40.0	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.
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 (AV) RB = 1 MHz, VB = 10 Hz
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	*5230.00	117.3 PK			2.02 H	157	74.9	42.4
2	*5230.00	104.7 AV			2.02 H	157	62.3	42.4
3	5350.00	60.1 PK	74.0	-13.9	2.02 H	157	47.8	12.3
4	5350.00	47.1 AV	54.0	-6.9	2.02 H	157	34.8	12.3
5	#10460.00	62.7 PK	68.2	-5.5	1.97 H	311	40.0	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	*5230.00	121.6 PK			1.64 V	34	79.2	42.4
2	*5230.00	109.5 AV			1.64 V	34	67.1	42.4
3	5350.00	60.4 PK	74.0	-13.6	1.64 V	34	48.1	12.3
4	5350.00	47.5 AV	54.0	-6.5	1.64 V	34	35.2	12.3
5	#10460.00	63.2 PK	68.2	-5.0	3.13 V	332	40.5	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 (EHT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	59.7 PK	74.0	-14.3	1.92 H	154	47.2	12.5
2	5150.00	46.2 AV	54.0	-7.8	1.92 H	154	33.7	12.5
3	*5270.00	113.4 PK			1.92 H	154	71.0	42.4
4	*5270.00	99.7 AV			1.92 H	154	57.3	42.4
5	#10540.00	62.5 PK	68.2	-5.7	1.85 H	297	40.0	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	5150.00	60.0 PK	74.0	-14.0	1.52 V	30	47.5	12.5
2	5150.00	46.6 AV	54.0	-7.4	1.52 V	30	34.1	12.5
3	*5270.00	115.4 PK			1.52 V	30	73.0	42.4
4	*5270.00	103.2 AV			1.52 V	30	60.8	42.4
5	#10540.00	62.8 PK	68.2	-5.4	1.00 V	233	40.3	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.
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 (AV) RB = 1 MHz, VB = 10 Hz
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	112.0 PK			1.95 H	153	69.5	42.5
2	*5310.00	100.1 AV			1.95 H	153	57.6	42.5
3	5350.00	59.3 PK	74.0	-14.7	1.95 H	153	47.0	12.3
4	5350.00	46.7 AV	54.0	-7.3	1.95 H	153	34.4	12.3
5	10620.00	63.0 PK	74.0	-11.0	1.84 H	336	40.4	22.6
6	10620.00	48.6 AV	54.0	-5.4	1.84 H	336	26.0	22.6

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	115.0 PK			1.54 V	34	72.5	42.5
2	*5310.00	102.4 AV			1.54 V	34	59.9	42.5
3	5350.00	59.7 PK	74.0	-14.3	1.54 V	34	47.4	12.3
4	5350.00	47.2 AV	54.0	-6.8	1.54 V	34	34.9	12.3
5	10620.00	63.6 PK	74.0	-10.4	3.13 V	333	41.0	22.6
6	10620.00	48.9 AV	54.0	-5.1	3.13 V	333	26.3	22.6

Remarks:

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



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 (AV) RB = 1 MHz, VB = 10 Hz
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	59.9 PK	74.0	-14.1	1.99 H	152	47.2	12.7
2	5460.00	47.9 AV	54.0	-6.1	1.99 H	152	35.2	12.7
3	#5470.00	62.2 PK	68.2	-6.0	1.99 H	152	49.6	12.6
4	*5510.00	113.2 PK			1.99 H	152	70.1	43.1
5	*5510.00	100.4 AV			1.99 H	152	57.3	43.1
6	11020.00	62.1 PK	74.0	-11.9	1.82 H	314	39.2	22.9
7	11020.00	48.7 AV	54.0	-5.3	1.82 H	314	25.8	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	60.5 PK	74.0	-13.5	1.49 V	31	47.8	12.7
2	5460.00	48.1 AV	54.0	-5.9	1.49 V	31	35.4	12.7
3	#5470.00	63.2 PK	68.2	-5.0	1.49 V	31	50.6	12.6
4	*5510.00	115.2 PK			1.49 V	31	72.1	43.1
5	*5510.00	102.3 AV			1.49 V	31	59.2	43.1
6	11020.00	62.7 PK	74.0	-11.3	1.58 V	122	39.8	22.9
7	11020.00	49.0 AV	54.0	-5.0	1.58 V	122	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 (EHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	*5550.00	111.9 PK			2.05 H	149	68.9	43.0
2	*5550.00	99.1 AV			2.05 H	149	56.1	43.0
3	11100.00	62.2 PK	74.0	-11.8	1.89 H	302	39.2	23.0
4	11100.00	48.7 AV	54.0	-5.3	1.89 H	302	25.7	23.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	114.7 PK			1.50 V	32	71.7	43.0
2	*5550.00	101.8 AV			1.50 V	32	58.8	43.0
3	11100.00	62.6 PK	74.0	-11.4	1.48 V	112	39.6	23.0
4	11100.00	49.0 AV	54.0	-5.0	1.48 V	112	26.0	23.0

Remarks:

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



RF Mode	802.11be (EHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	*5670.00	112.3 PK			1.98 H	148	69.2	43.1
2	*5670.00	99.0 AV			1.98 H	148	55.9	43.1
3	#5725.00	61.3 PK	68.2	-6.9	1.98 H	148	48.2	13.1
4	11340.00	62.8 PK	74.0	-11.2	1.82 H	298	39.2	23.6
5	11340.00	49.2 AV	54.0	-4.8	1.82 H	298	25.6	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	*5670.00	115.1 PK			1.38 V	29	72.0	43.1
2	*5670.00	101.9 AV			1.38 V	29	58.8	43.1
3	#5725.00	61.9 PK	68.2	-6.3	1.38 V	29	48.8	13.1
4	11340.00	63.2 PK	74.0	-10.8	1.45 V	122	39.6	23.6
5	11340.00	49.5 AV	54.0	-4.5	1.45 V	122	25.9	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 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5470.00	60.8 PK	68.2	-7.4	1.96 H	152	48.2	12.6
2	*5710.00	112.8 PK			1.96 H	152	69.7	43.1
3	*5710.00	99.0 AV			1.96 H	152	55.9	43.1
4	#5850.00	60.8 PK	68.2	-7.4	1.96 H	152	47.4	13.4
5	11420.00	63.6 PK	74.0	-10.4	1.78 H	310	39.5	24.1
6	11420.00	49.8 AV	54.0	-4.2	1.78 H	310	25.7	24.1

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.0 PK	68.2	-7.2	1.28 V	32	48.4	12.6
2	*5710.00	115.1 PK			1.28 V	32	72.0	43.1
3	*5710.00	101.9 AV			1.28 V	32	58.8	43.1
4	#5850.00	61.0 PK	68.2	-7.2	1.28 V	32	47.6	13.4
5	11420.00	63.7 PK	74.0	-10.3	1.59 V	118	39.6	24.1
6	11420.00	50.0 AV	54.0	-4.0	1.59 V	118	25.9	24.1

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 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5619.20	59.6 PK	68.2	-8.6	2.39 H	133	47.1	12.5
2	*5755.00	115.6 PK			2.39 H	133	72.2	43.4
3	*5755.00	103.7 AV			2.39 H	133	60.3	43.4
4	#5952.80	61.6 PK	68.2	-6.6	2.39 H	133	47.9	13.7
5	11510.00	63.4 PK	74.0	-10.6	1.88 H	310	39.5	23.9
6	11510.00	49.2 AV	54.0	-4.8	1.88 H	310	25.3	23.9

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	#5634.00	60.6 PK	68.2	-7.6	1.92 V	35	47.9	12.7
2	*5755.00	120.2 PK			1.92 V	35	76.8	43.4
3	*5755.00	107.9 AV			1.92 V	35	64.5	43.4
4	#5936.00	61.2 PK	68.2	-7.0	1.92 V	35	47.5	13.7
5	11510.00	63.7 PK	74.0	-10.3	1.65 V	125	39.8	23.9
6	11510.00	49.6 AV	54.0	-4.4	1.65 V	125	25.7	23.9

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 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5602.40	60.1 PK	68.2	-8.1	2.24 H	130	47.6	12.5
2	*5795.00	117.9 PK			2.24 H	130	74.2	43.7
3	*5795.00	105.0 AV			2.24 H	130	61.3	43.7
4	#5940.00	61.6 PK	68.2	-6.6	2.24 H	130	47.9	13.7
5	11590.00	63.3 PK	74.0	-10.7	1.89 H	310	39.4	23.9
6	11590.00	49.2 AV	54.0	-4.8	1.89 H	310	25.3	23.9

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	#5642.80	60.5 PK	68.2	-7.7	1.95 V	33	47.8	12.7
2	*5795.00	121.1 PK			1.95 V	33	77.4	43.7
3	*5795.00	108.8 AV			1.95 V	33	65.1	43.7
4	#5941.60	61.1 PK	68.2	-7.1	1.95 V	33	47.4	13.7
5	11590.00	63.4 PK	74.0	-10.6	1.67 V	128	39.5	23.9
6	11590.00	49.4 AV	54.0	-4.6	1.67 V	128	25.5	23.9

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 (AV) RB = 1 MHz, VB = 10 Hz
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	62.4 PK	74.0	-11.6	2.04 H	157	49.9	12.5
2	5150.00	49.2 AV	54.0	-4.8	2.04 H	157	36.7	12.5
3	*5210.00	111.4 PK			2.04 H	157	68.9	42.5
4	*5210.00	99.4 AV			2.04 H	157	56.9	42.5
5	#10420.00	62.8 PK	68.2	-5.4	1.87 H	315	40.2	22.6

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.9 PK	74.0	-7.1	1.50 V	34	54.4	12.5
2	5150.00	53.7 AV	54.0	-0.3	1.50 V	34	41.2	12.5
3	*5210.00	114.3 PK			1.50 V	34	71.8	42.5
4	*5210.00	103.0 AV			1.50 V	34	60.5	42.5
5	#10420.00	63.6 PK	68.2	-4.6	2.12 V	222	41.0	22.6

Remarks:

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



RF Mode	802.11be (EHT80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	109.7 PK			1.88 H	154	67.2	42.5
2	*5290.00	97.5 AV			1.88 H	154	55.0	42.5
3	5350.00	59.5 PK	74.0	-14.5	1.88 H	154	47.2	12.3
4	5350.00	46.6 AV	54.0	-7.4	1.88 H	154	34.3	12.3
5	#10580.00	62.6 PK	68.2	-5.6	1.63 H	334	40.0	22.6

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	112.6 PK			1.54 V	33	70.1	42.5
2	*5290.00	100.7 AV			1.54 V	33	58.2	42.5
3	5350.00	59.9 PK	74.0	-14.1	1.54 V	33	47.6	12.3
4	5350.00	47.4 AV	54.0	-6.6	1.54 V	33	35.1	12.3
5	#10580.00	62.9 PK	68.2	-5.3	2.02 V	215	40.3	22.6

Remarks:

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



RF Mode	802.11be (EHT80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	60.9 PK	74.0	-13.1	1.89 H	152	48.2	12.7
2	5460.00	47.7 AV	54.0	-6.3	1.89 H	152	35.0	12.7
3	#5470.00	60.9 PK	68.2	-7.3	1.89 H	152	48.3	12.6
4	*5530.00	108.1 PK			1.89 H	152	65.0	43.1
5	*5530.00	95.9 AV			1.89 H	152	52.8	43.1
6	#5725.00	60.9 PK	68.2	-7.3	1.89 H	152	47.8	13.1
7	11060.00	62.3 PK	74.0	-11.7	1.85 H	314	39.4	22.9
8	11060.00	48.2 AV	54.0	-5.8	1.85 H	314	25.3	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	61.2 PK	74.0	-12.8	1.47 V	30	48.5	12.7
2	5460.00	47.9 AV	54.0	-6.1	1.47 V	30	35.2	12.7
3	#5470.00	61.2 PK	68.2	-7.0	1.47 V	30	48.6	12.6
4	*5530.00	112.8 PK			1.47 V	30	69.7	43.1
5	*5530.00	99.8 AV			1.47 V	30	56.7	43.1
6	#5725.00	61.1 PK	68.2	-7.1	1.47 V	30	48.0	13.1
7	11060.00	62.4 PK	74.0	-11.6	1.49 V	113	39.5	22.9
8	11060.00	48.4 AV	54.0	-5.6	1.49 V	113	25.5	22.9

Remarks:

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



RF Mode	802.11be (EHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	60.3 PK	74.0	-13.7	1.90 H	156	47.6	12.7
2	5460.00	46.9 AV	54.0	-7.1	1.90 H	156	34.2	12.7
3	#5470.00	60.2 PK	68.2	-8.0	1.90 H	156	47.6	12.6
4	*5610.00	108.3 PK			1.90 H	156	65.3	43.0
5	*5610.00	95.8 AV			1.90 H	156	52.8	43.0
6	#5725.00	60.5 PK	68.2	-7.7	1.90 H	156	47.4	13.1
7	11220.00	62.7 PK	74.0	-11.3	1.88 H	318	39.2	23.5
8	11220.00	48.8 AV	54.0	-5.2	1.88 H	318	25.3	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	5460.00	60.7 PK	74.0	-13.3	1.50 V	31	48.0	12.7
2	5460.00	47.4 AV	54.0	-6.6	1.50 V	31	34.7	12.7
3	#5470.00	60.6 PK	68.2	-7.6	1.50 V	31	48.0	12.6
4	*5610.00	112.1 PK			1.50 V	31	69.1	43.0
5	*5610.00	99.3 AV			1.50 V	31	56.3	43.0
6	#5725.00	60.9 PK	68.2	-7.3	1.50 V	31	47.8	13.1
7	11220.00	62.9 PK	74.0	-11.1	1.45 V	118	39.4	23.5
8	11220.00	48.9 AV	54.0	-5.1	1.45 V	118	25.4	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 (EHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5470.00	59.8 PK	68.2	-8.4	1.99 H	158	47.2	12.6
2	*5690.00	108.3 PK			1.99 H	158	65.3	43.0
3	*5690.00	96.1 AV			1.99 H	158	53.1	43.0
4	#5850.00	60.6 PK	68.2	-7.6	1.99 H	158	47.2	13.4
5	11380.00	62.9 PK	74.0	-11.1	1.90 H	319	38.9	24.0
6	11380.00	49.2 AV	54.0	-4.8	1.90 H	319	25.2	24.0

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	#5470.00	60.1 PK	68.2	-8.1	1.28 V	33	47.5	12.6
2	*5690.00	111.5 PK			1.28 V	33	68.5	43.0
3	*5690.00	99.3 AV			1.28 V	33	56.3	43.0
4	#5850.00	60.8 PK	68.2	-7.4	1.28 V	33	47.4	13.4
5	11380.00	63.4 PK	74.0	-10.6	1.47 V	111	39.4	24.0
6	11380.00	49.5 AV	54.0	-4.5	1.47 V	111	25.5	24.0

Remarks:

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



RF Mode	802.11be (EHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	#5630.80	60.7 PK	68.2	-7.5	2.41 H	128	48.0	12.7
2	*5775.00	115.1 PK			2.41 H	128	71.5	43.6
3	*5775.00	102.5 AV			2.41 H	128	58.9	43.6
4	#5950.00	61.3 PK	68.2	-6.9	2.41 H	128	47.6	13.7
5	11550.00	63.3 PK	74.0	-10.7	1.96 H	323	39.4	23.9
6	11550.00	49.0 AV	54.0	-5.0	1.96 H	323	25.1	23.9

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	#5638.00	61.9 PK	68.2	-6.3	1.95 V	34	49.2	12.7
2	*5775.00	118.7 PK			1.95 V	34	75.1	43.6
3	*5775.00	106.0 AV			1.95 V	34	62.4	43.6
4	#5954.00	61.6 PK	68.2	-6.6	1.95 V	34	47.9	13.7
5	11550.00	63.4 PK	74.0	-10.6	1.59 V	122	39.5	23.9
6	11550.00	49.1 AV	54.0	-4.9	1.59 V	122	25.2	23.9

Remarks:

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



RF Mode	802.11be (EHT160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	64.7 PK	74.0	-9.3	2.46 H	106	52.2	12.5
2	5150.00	48.6 AV	54.0	-5.4	2.46 H	106	36.1	12.5
3	*5250.00	107.3 PK			2.46 H	106	64.9	42.4
4	*5250.00	94.9 AV			2.46 H	106	52.5	42.4
5	5350.00	70.0 PK	74.0	-4.0	2.46 H	106	57.7	12.3
6	5350.00	48.2 AV	54.0	-5.8	2.46 H	106	35.9	12.3
7	#10500.00	62.2 PK	68.2	-6.0	1.85 H	308	39.5	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	5150.00	70.7 PK	74.0	-3.3	1.71 V	35	58.2	12.5
2	5150.00	51.3 AV	54.0	-2.7	1.71 V	35	38.8	12.5
3	*5250.00	111.1 PK			1.71 V	35	68.7	42.4
4	*5250.00	99.0 AV			1.71 V	35	56.6	42.4
5	5350.00	73.8 PK	74.0	-0.2	1.71 V	35	61.5	12.3
6	5350.00	50.8 AV	54.0	-3.2	1.71 V	35	38.5	12.3
7	#10500.00	62.9 PK	68.2	-5.3	1.35 V	225	40.2	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 (EHT160)	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
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	62.3 PK	74.0	-11.7	2.60 H	321	49.6	12.7
2	5460.00	47.9 AV	54.0	-6.1	2.60 H	321	35.2	12.7
3	#5470.00	61.6 PK	68.2	-6.6	2.60 H	321	49.0	12.6
4	*5570.00	105.6 PK			2.60 H	321	62.6	43.0
5	*5570.00	92.6 AV			2.60 H	321	49.6	43.0
6	#5725.00	62.3 PK	68.2	-5.9	2.60 H	321	49.2	13.1
7	11140.00	62.4 PK	74.0	-11.6	1.86 H	299	39.1	23.3
8	11140.00	48.5 AV	54.0	-5.5	1.86 H	299	25.2	23.3

Antenna Polarity & Test Distance : Vertical at 3 m

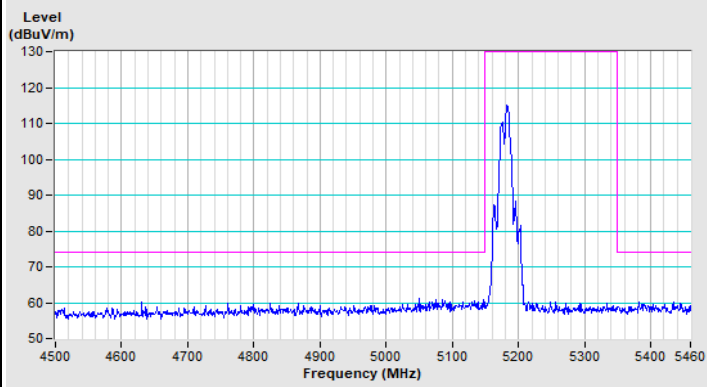
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.7 PK	74.0	-11.3	1.44 V	30	50.0	12.7
2	5460.00	48.4 AV	54.0	-5.6	1.44 V	30	35.7	12.7
3	#5470.00	65.6 PK	68.2	-2.6	1.44 V	30	53.0	12.6
4	*5570.00	110.7 PK			1.44 V	30	67.7	43.0
5	*5570.00	97.0 AV			1.44 V	30	54.0	43.0
6	#5725.00	62.6 PK	68.2	-5.6	1.44 V	30	49.5	13.1
7	11140.00	62.7 PK	74.0	-11.3	1.35 V	105	39.4	23.3
8	11140.00	48.7 AV	54.0	-5.3	1.35 V	105	25.4	23.3

Remarks:

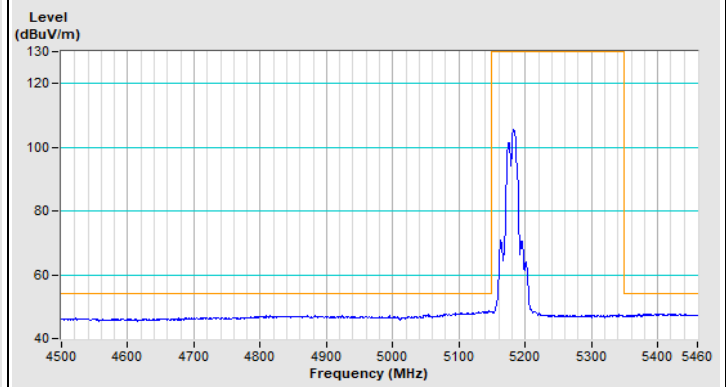
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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

Plot of Band Edge

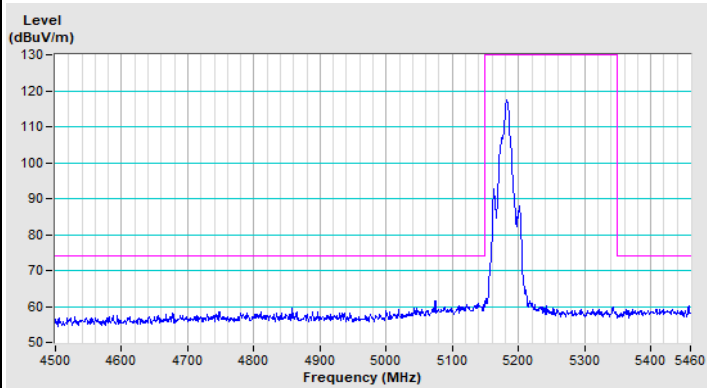
802.11a Channel 36



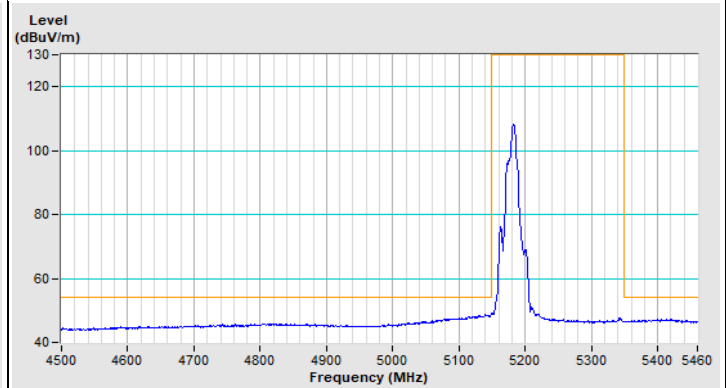
Horizontal (Peak)



Horizontal (Average)

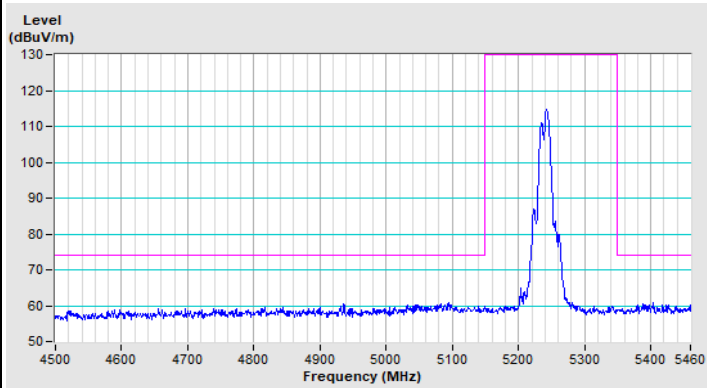


Vertical (Peak)

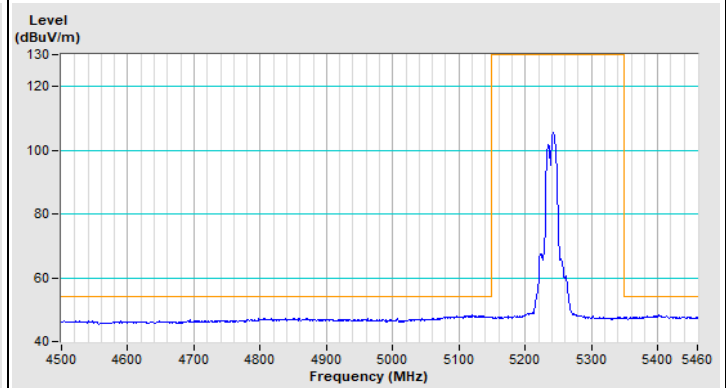


Vertical (Average)

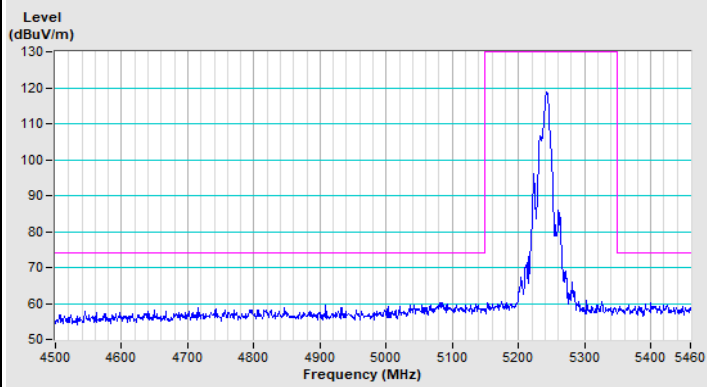
802.11a Channel 48



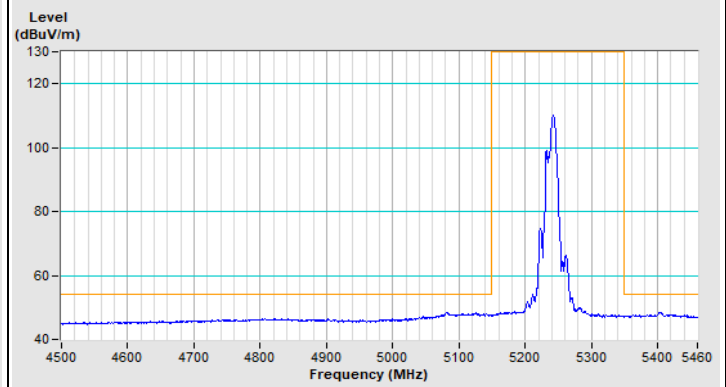
Horizontal (Peak)



Horizontal (Average)

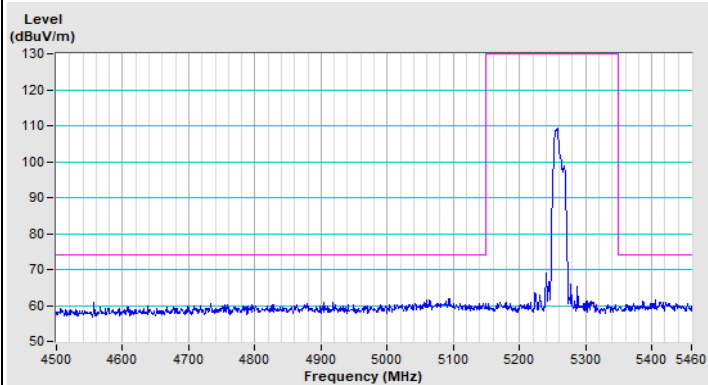


Vertical (Peak)

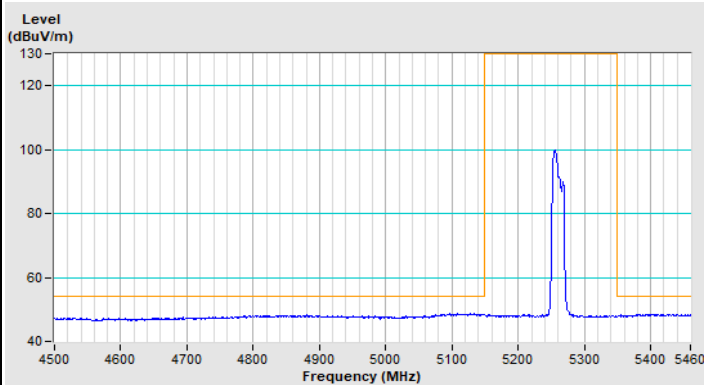


Vertical (Average)

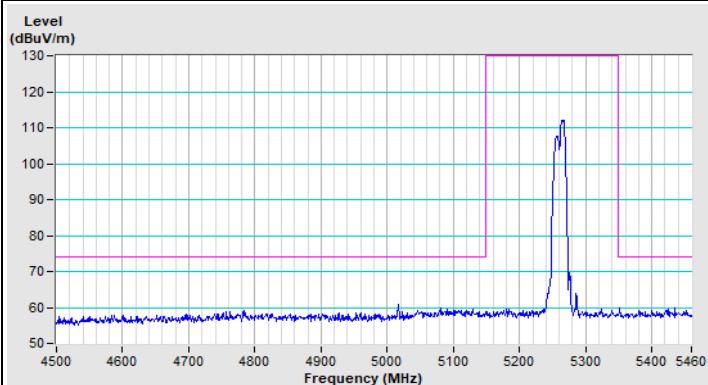
802.11a Channel 52



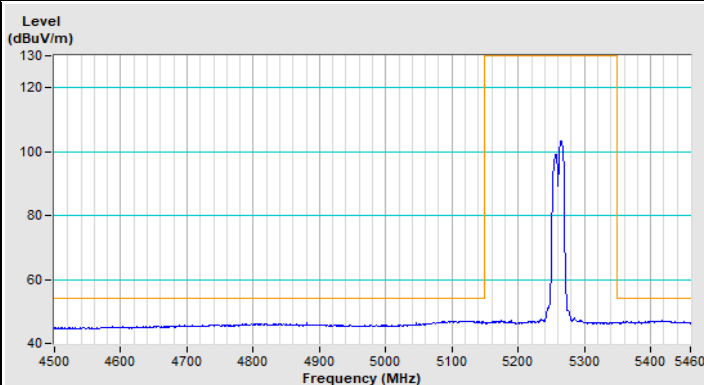
Horizontal (Peak)



Horizontal (Average)

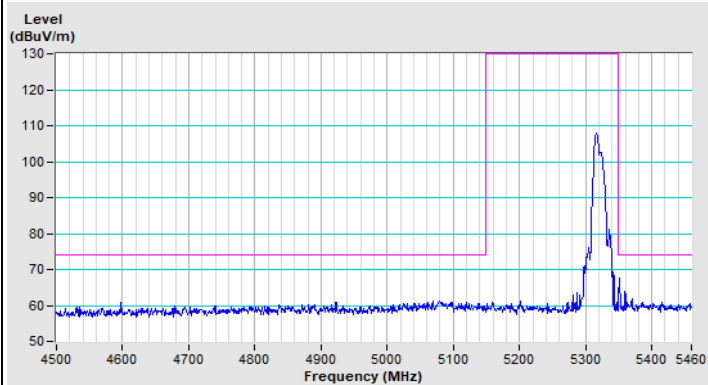


Vertical (Peak)

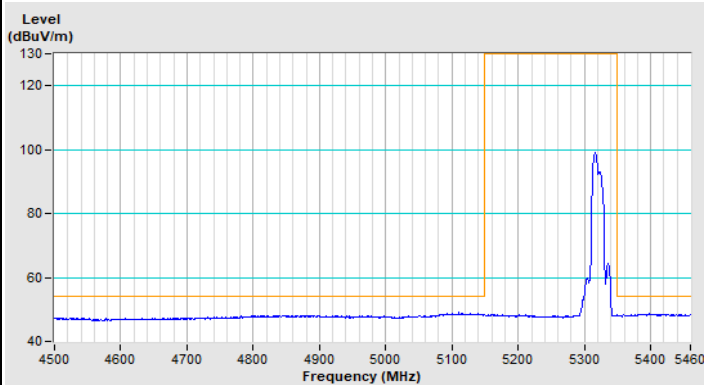


Vertical (Average)

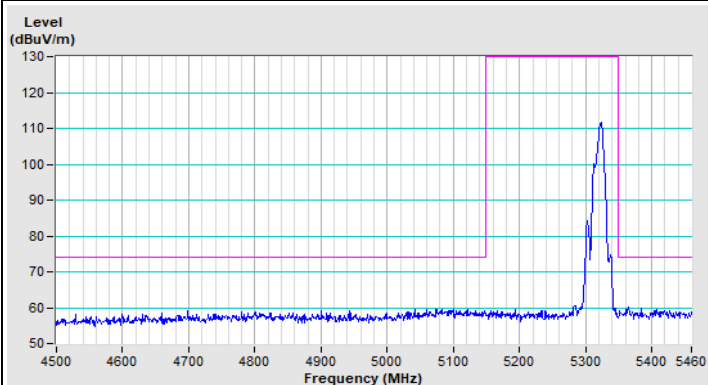
802.11a Channel 64



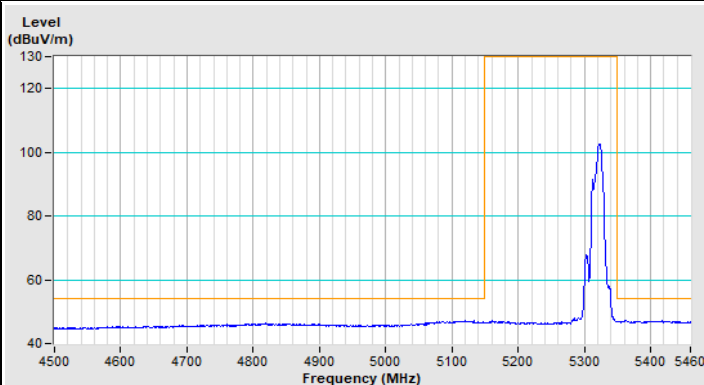
Horizontal (Peak)



Horizontal (Average)

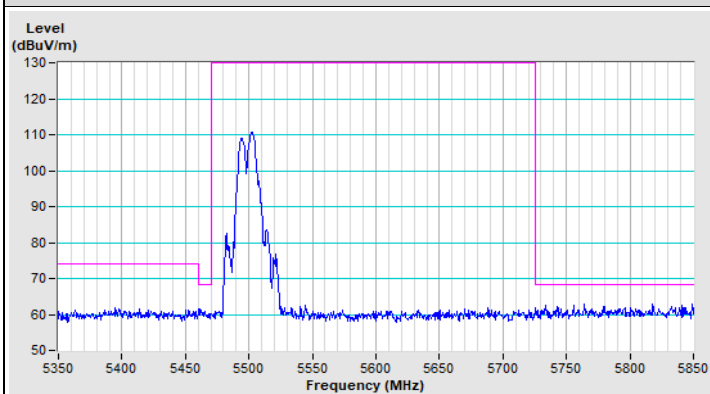


Vertical (Peak)

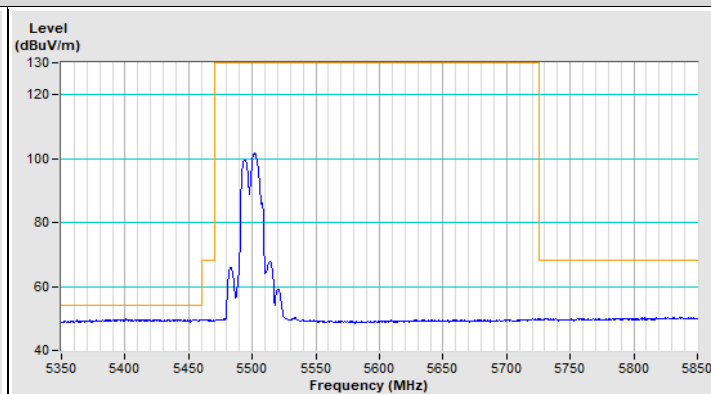


Vertical (Average)

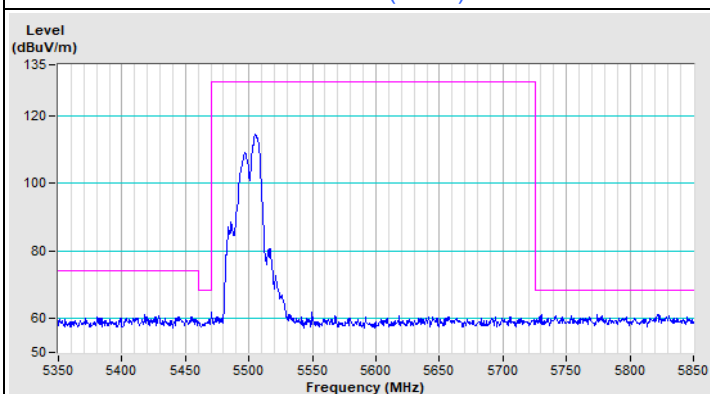
802.11a Channel 100



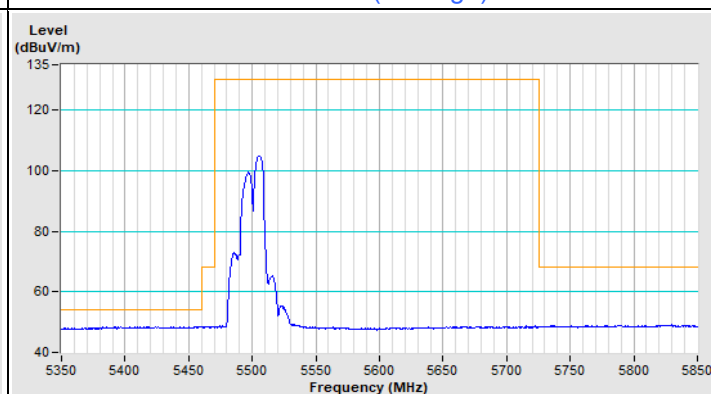
Horizontal (Peak)



Horizontal (Average)

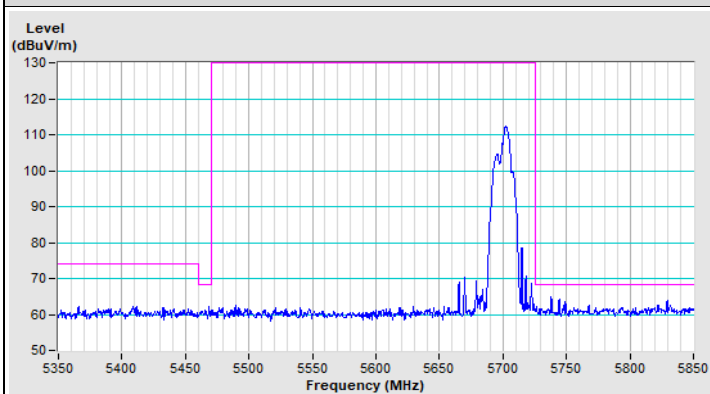


Vertical (Peak)

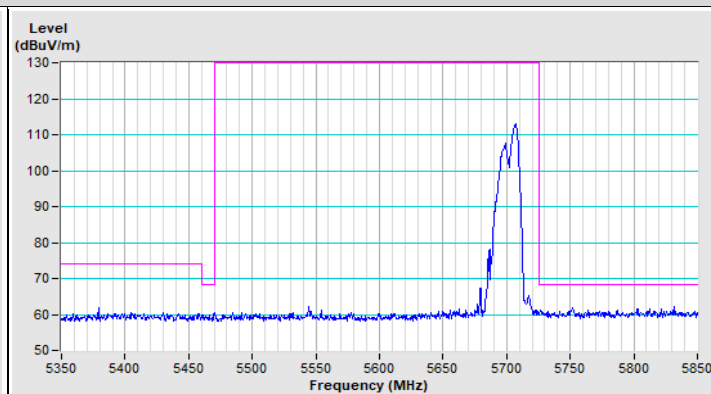


Vertical (Average)

802.11a Channel 140

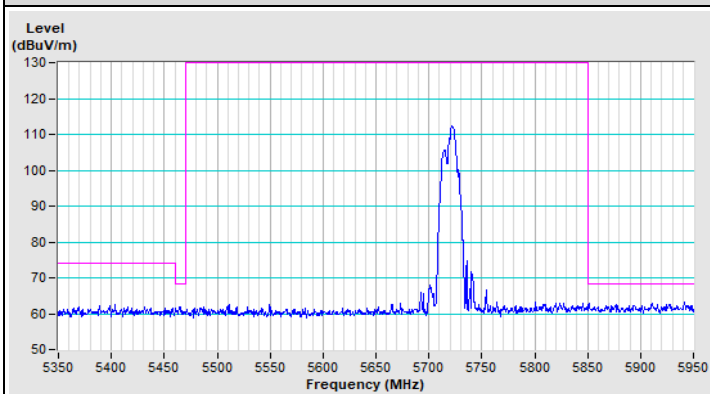


Horizontal (Peak)

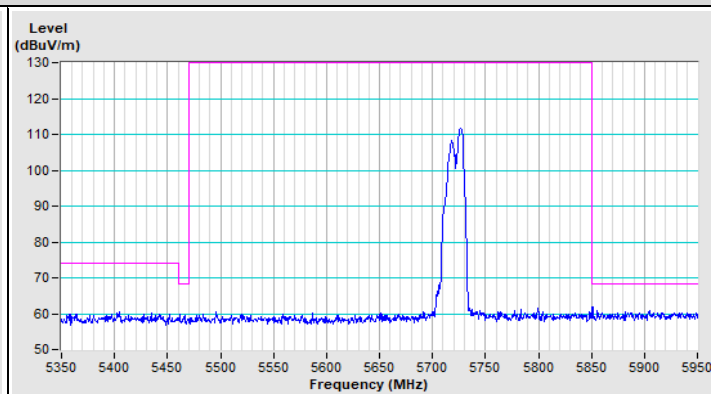


Vertical (Peak)

802.11a Channel 144



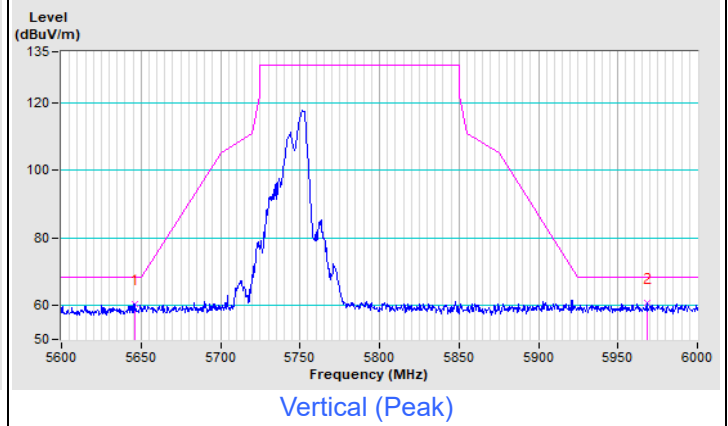
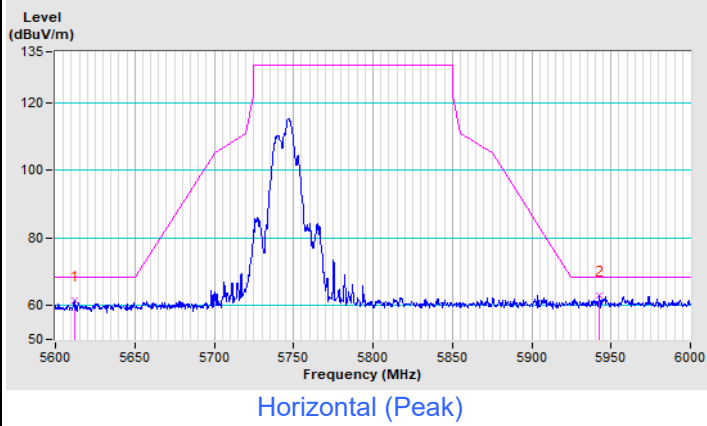
Horizontal (Peak)



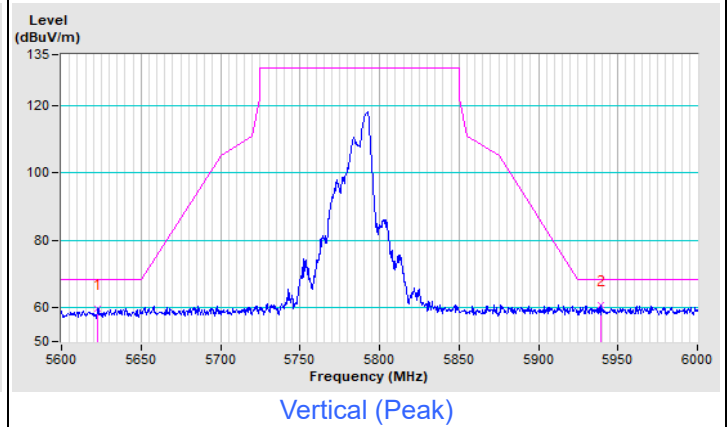
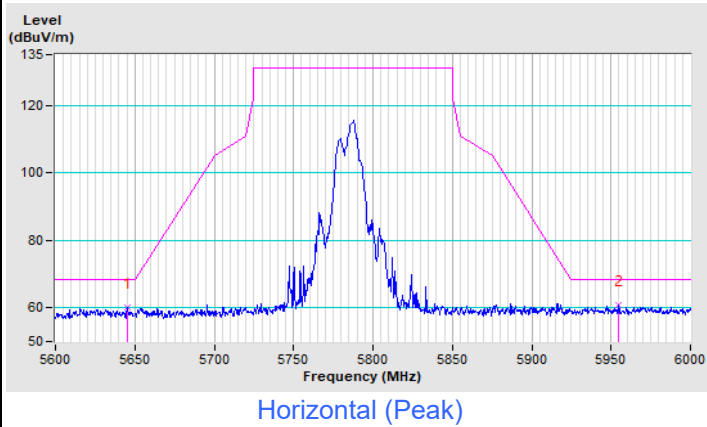
Vertical (Peak)



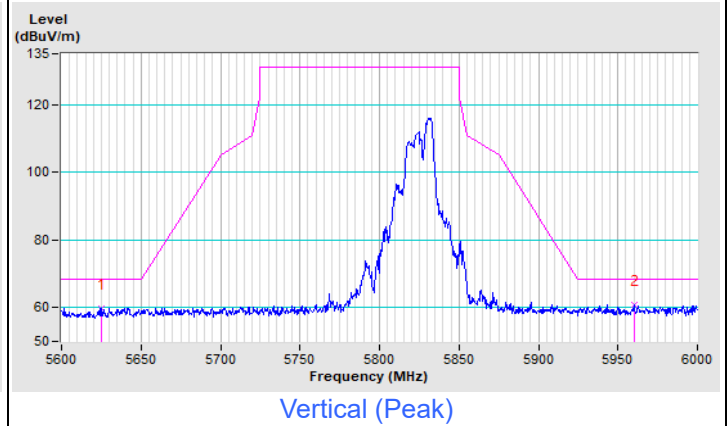
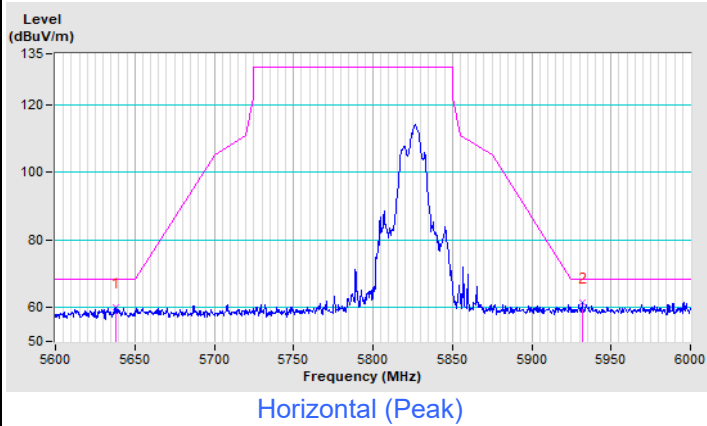
802.11a Channel 149



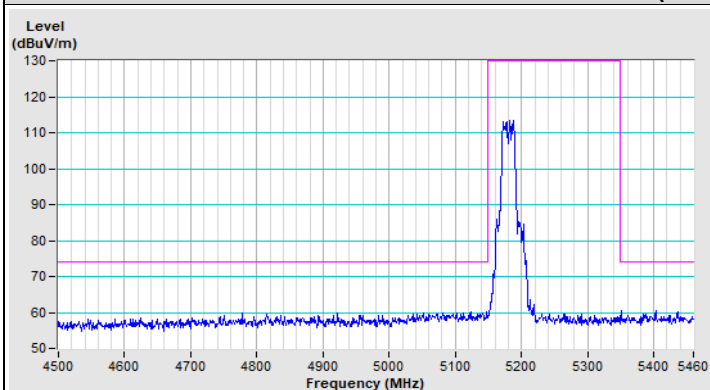
802.11a Channel 157



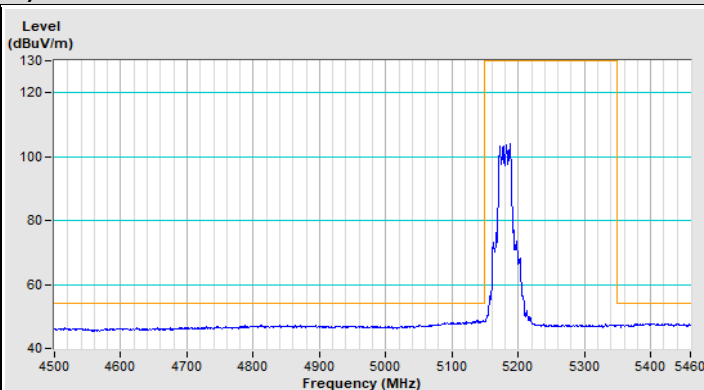
802.11a Channel 165



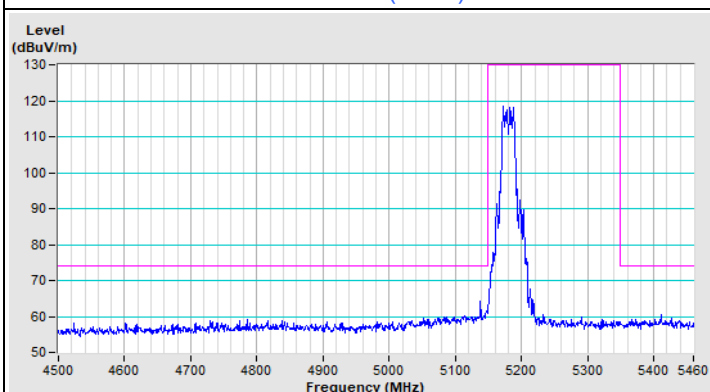
802.11be (EHT20) Channel 36



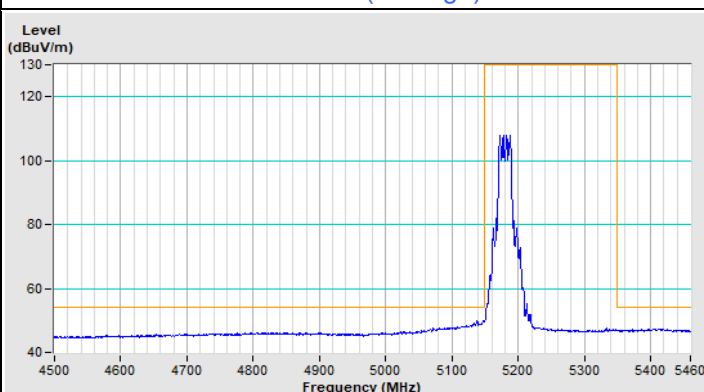
Horizontal (Peak)



Horizontal (Average)

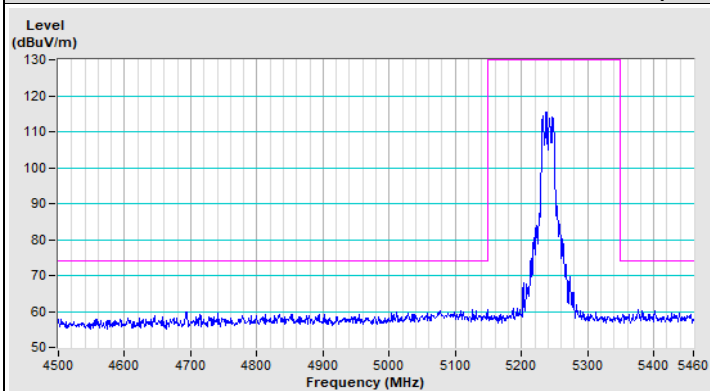


Vertical (Peak)

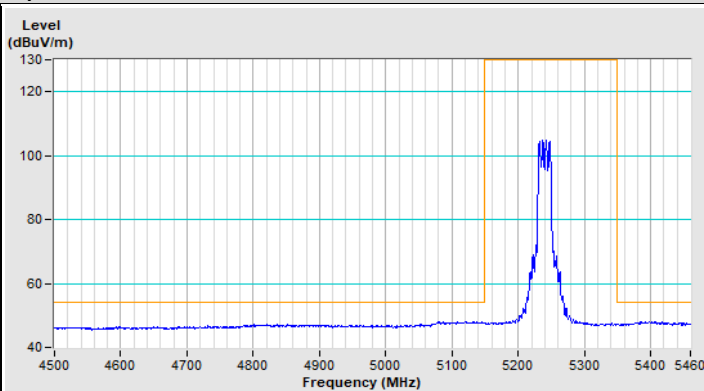


Vertical (Average)

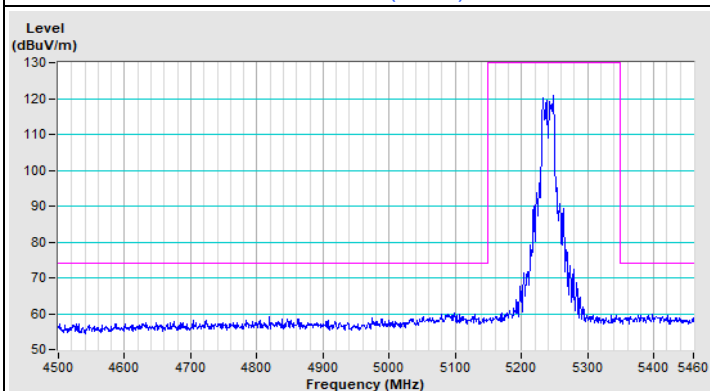
802.11be (EHT20) Channel 48



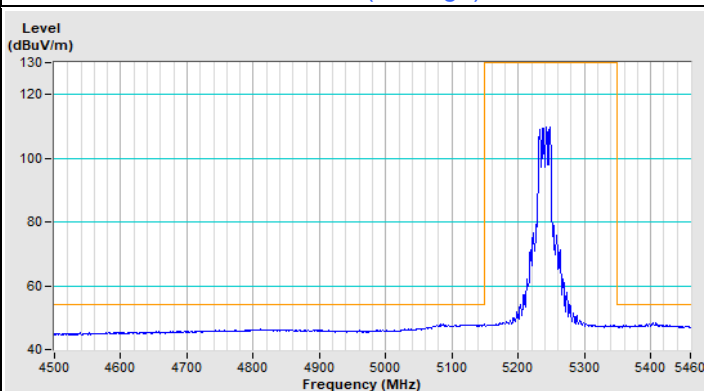
Horizontal (Peak)



Horizontal (Average)

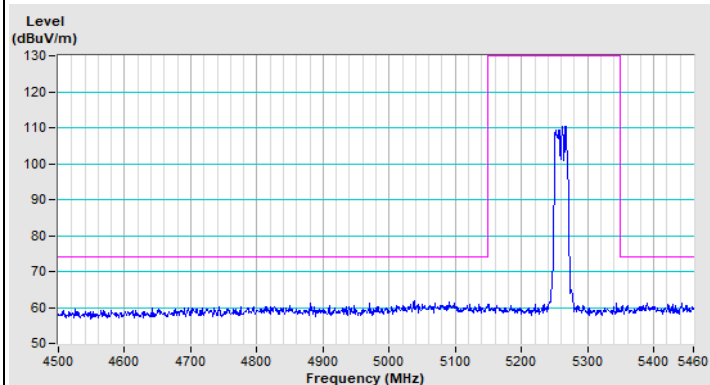


Vertical (Peak)

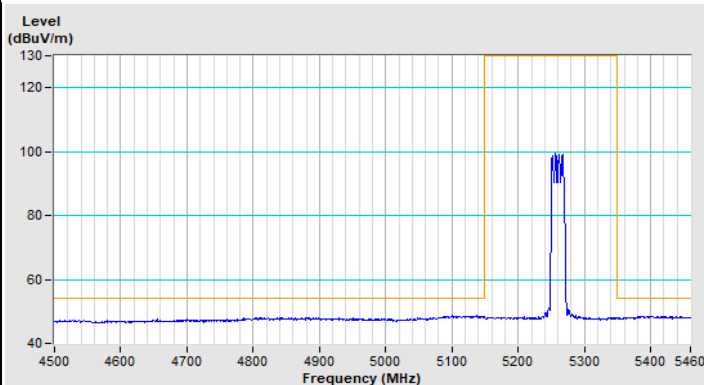


Vertical (Average)

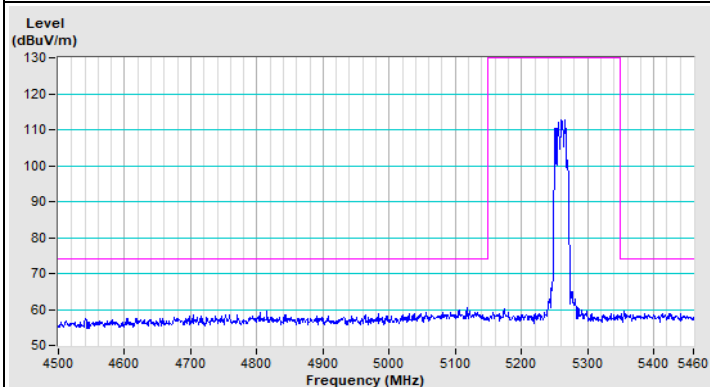
802.11be (EHT20) Channel 52



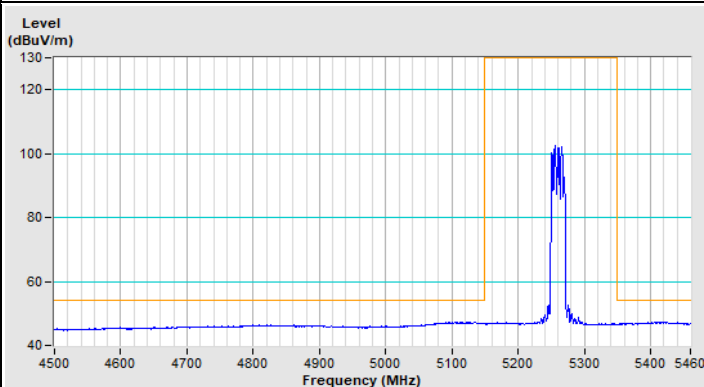
Horizontal (Peak)



Horizontal (Average)

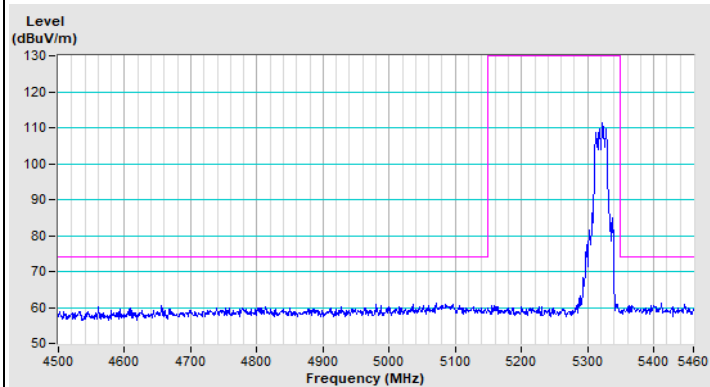


Vertical (Peak)

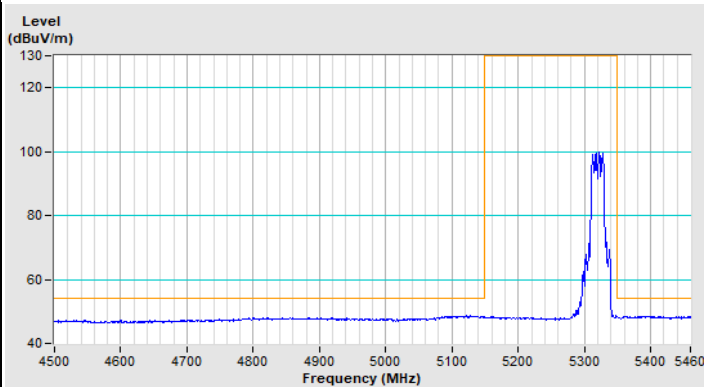


Vertical (Average)

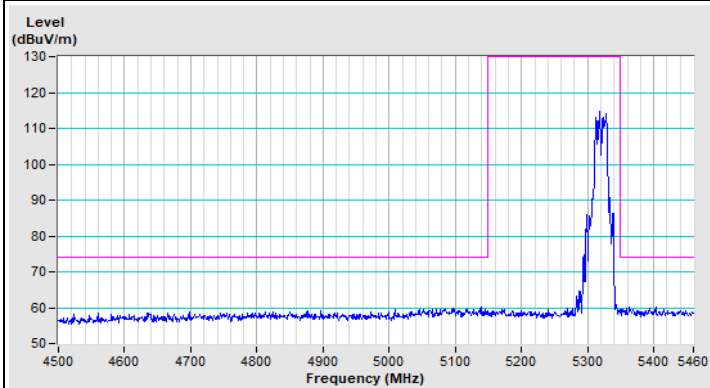
802.11be (EHT20) Channel 64



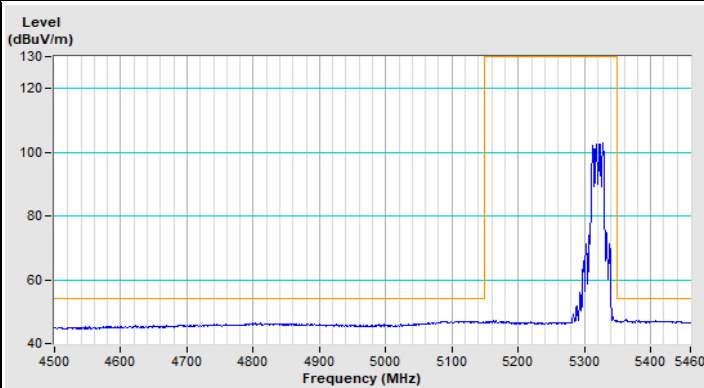
Horizontal (Peak)



Horizontal (Average)

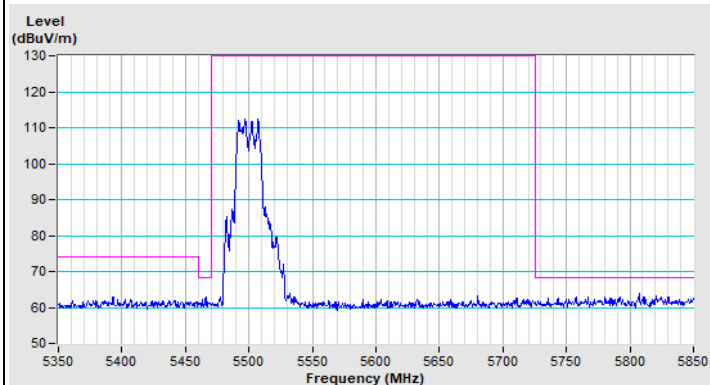


Vertical (Peak)

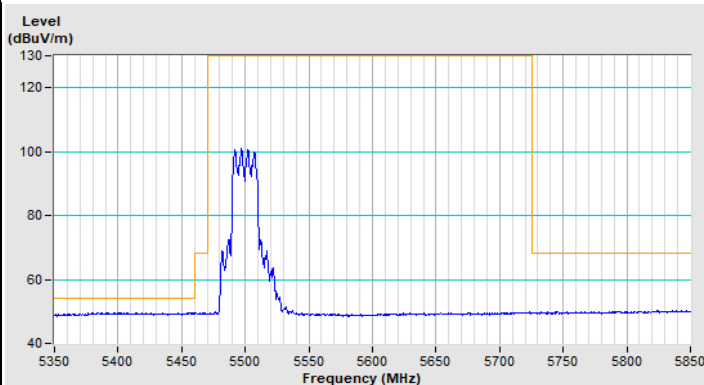


Vertical (Average)

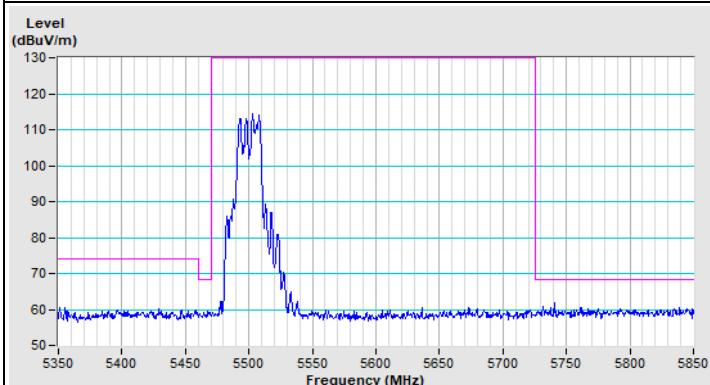
802.11be (EHT20) Channel 100



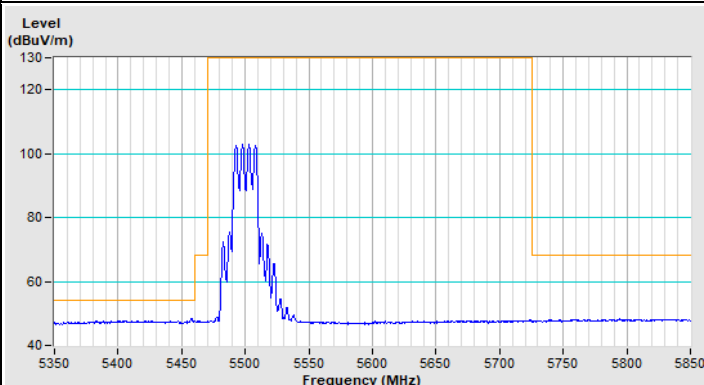
Horizontal (Peak)



Horizontal (Average)

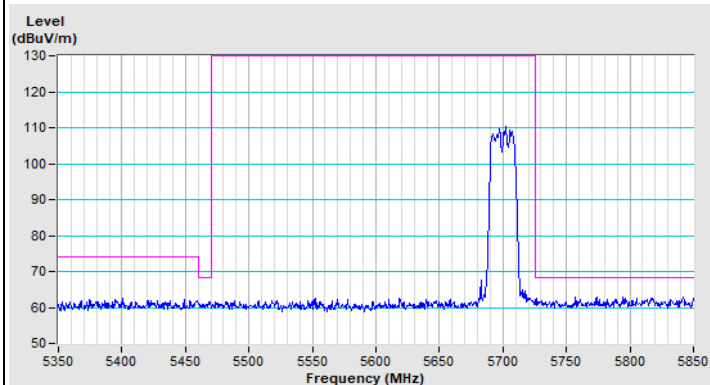


Vertical (Peak)

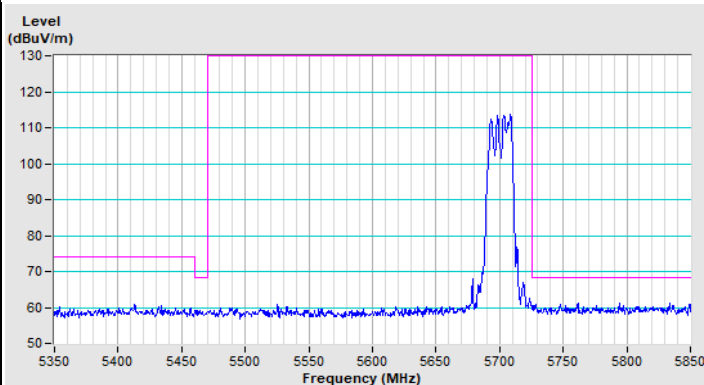


Vertical (Average)

802.11be (EHT20) Channel 140

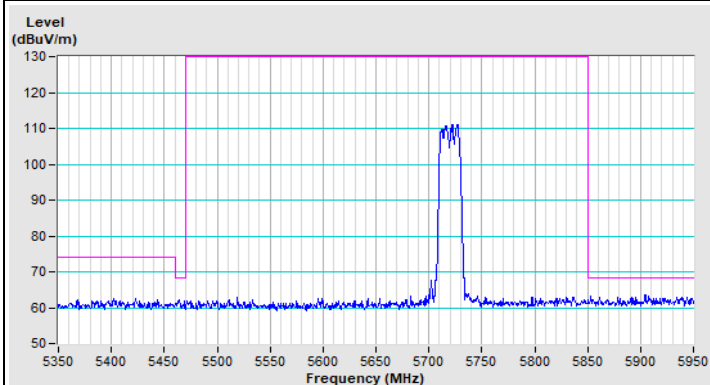


Horizontal (Peak)

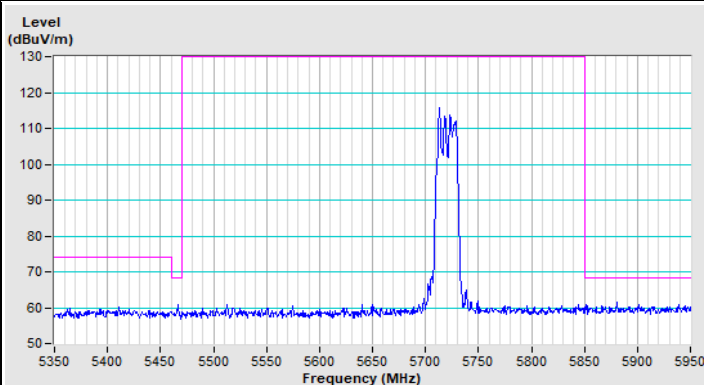


Vertical (Peak)

802.11be (EHT20) Channel 144

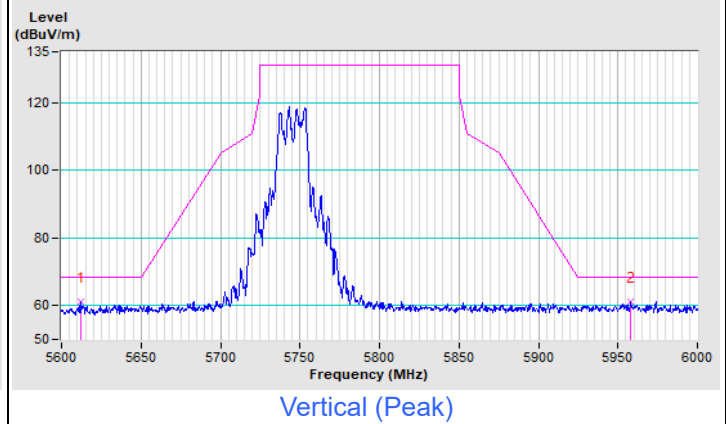
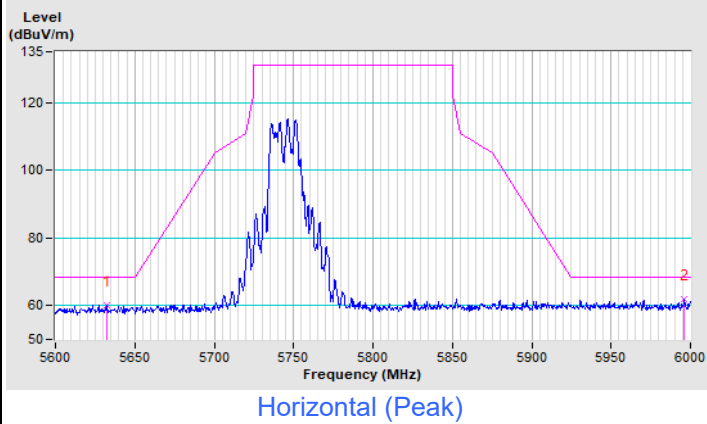


Horizontal (Peak)

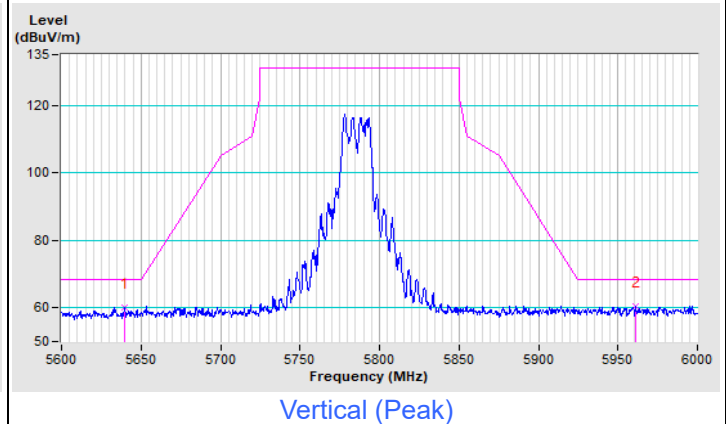
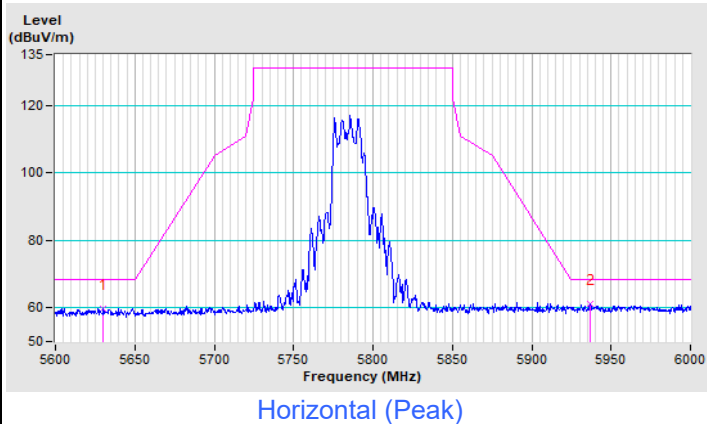


Vertical (Peak)

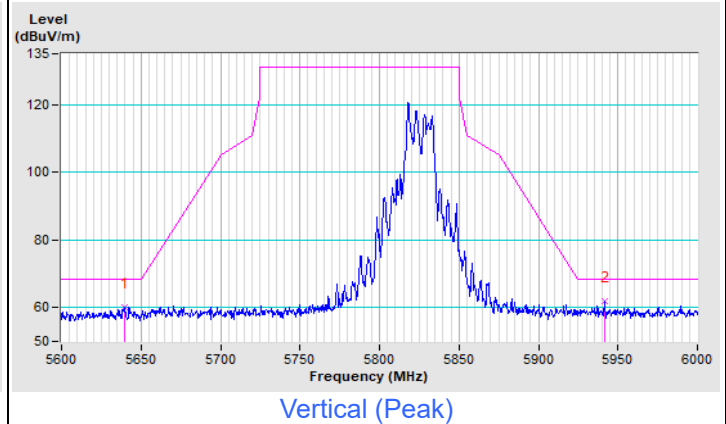
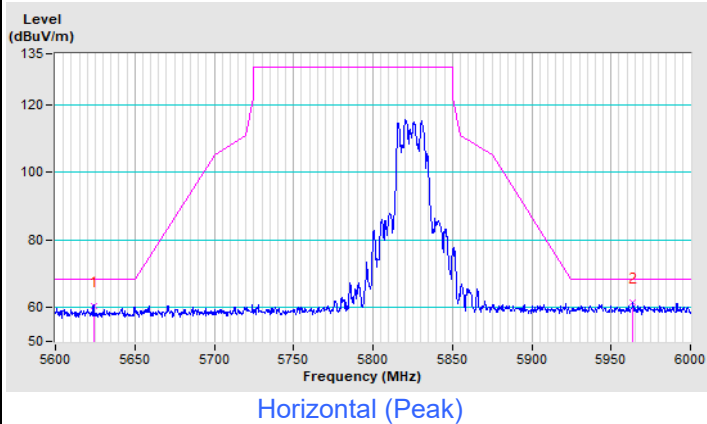
802.11be (EHT20) Channel 149



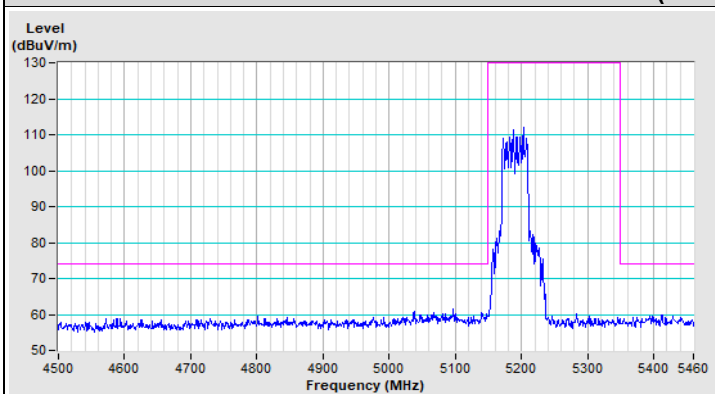
802.11be (EHT20) Channel 157



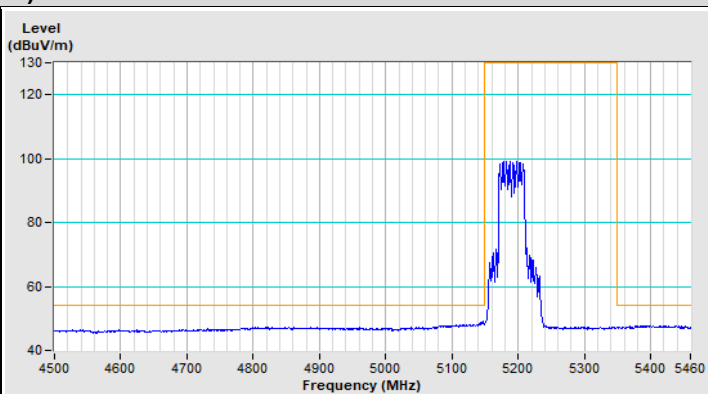
802.11be (EHT20) Channel 165



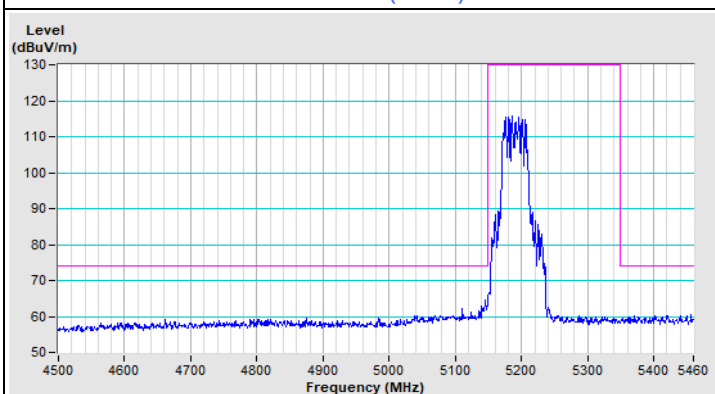
802.11be (EHT40) Channel 38



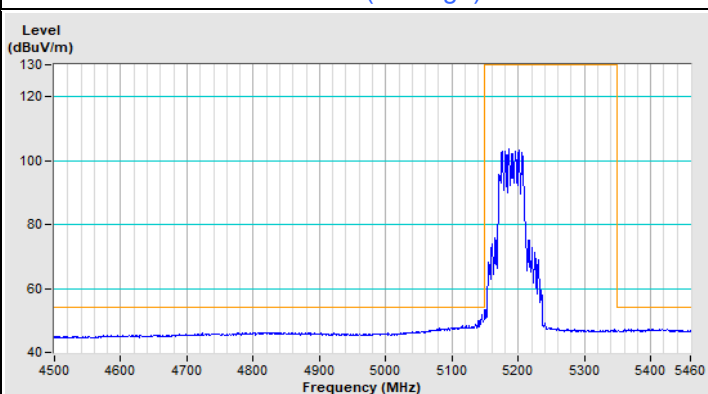
Horizontal (Peak)



Horizontal (Average)

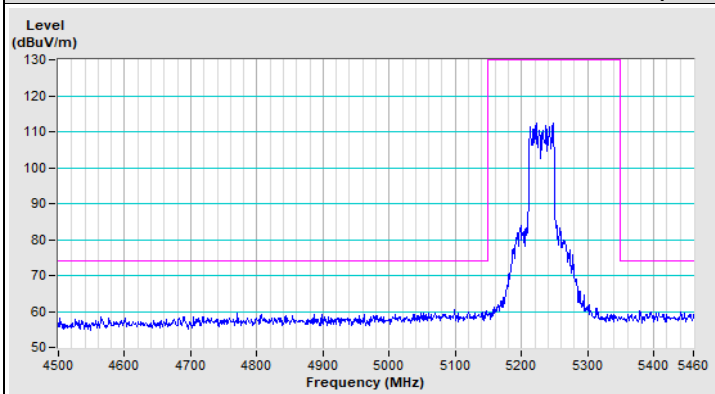


Vertical (Peak)

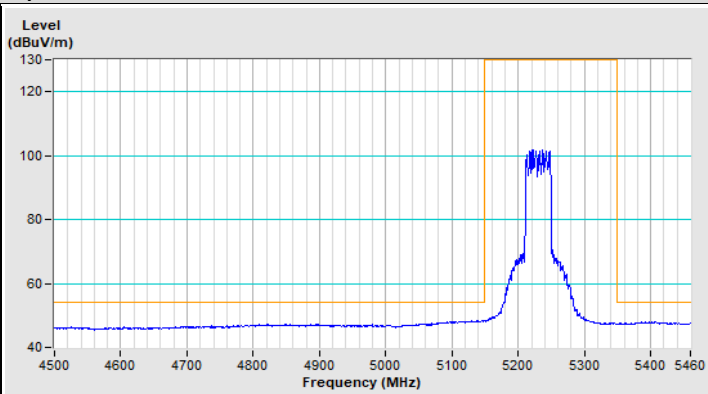


Vertical (Average)

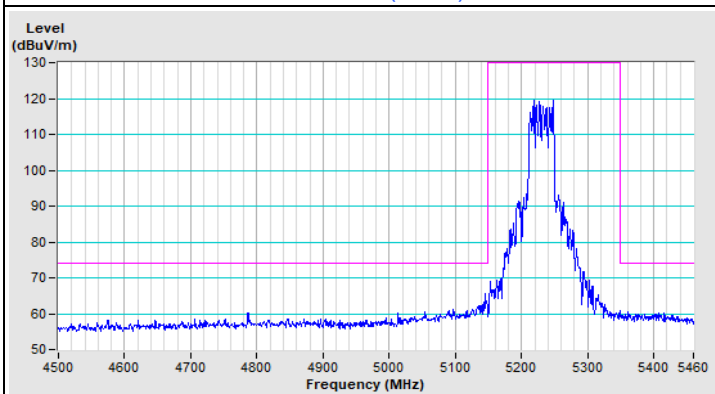
802.11be (EHT40) Channel 46



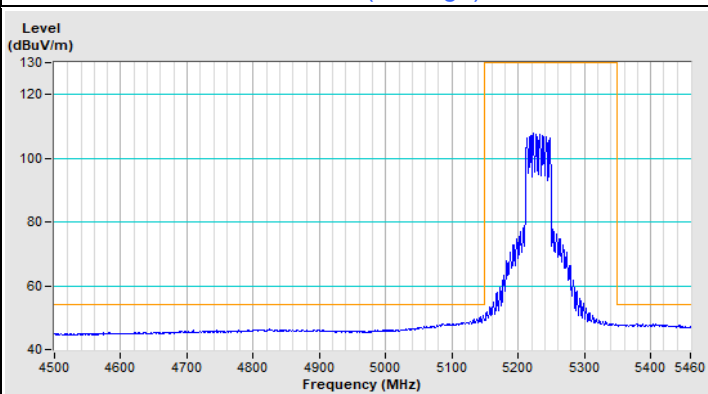
Horizontal (Peak)



Horizontal (Average)

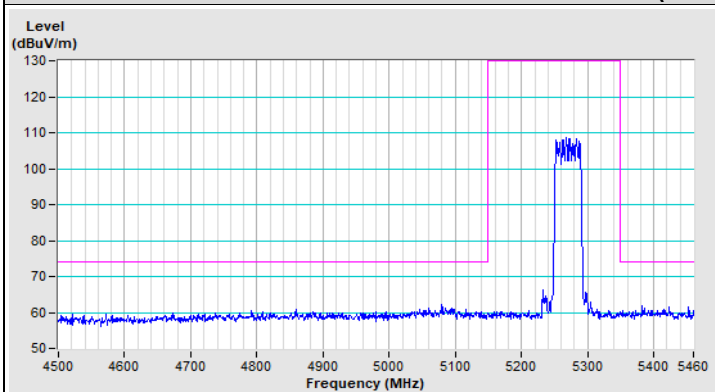


Vertical (Peak)

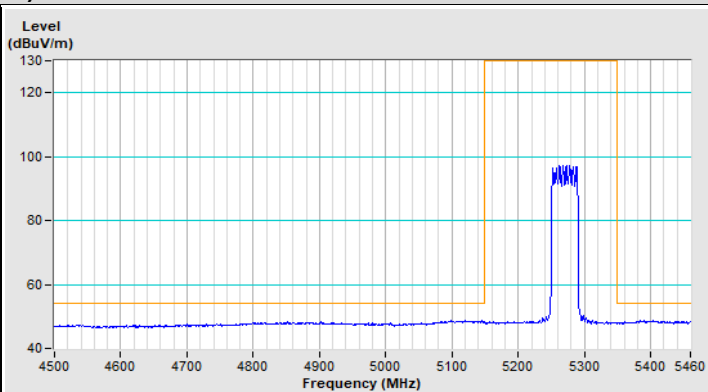


Vertical (Average)

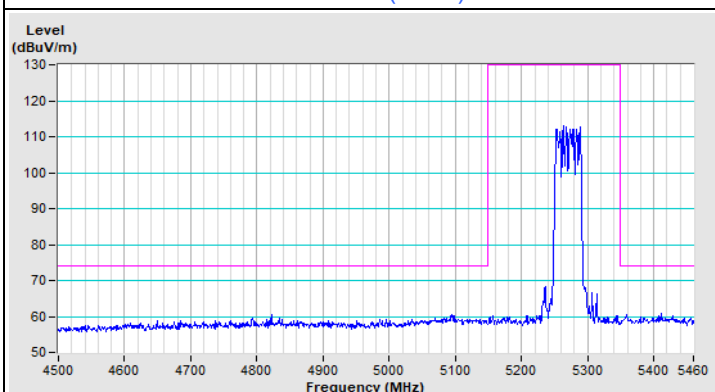
802.11be (EHT40) Channel 54



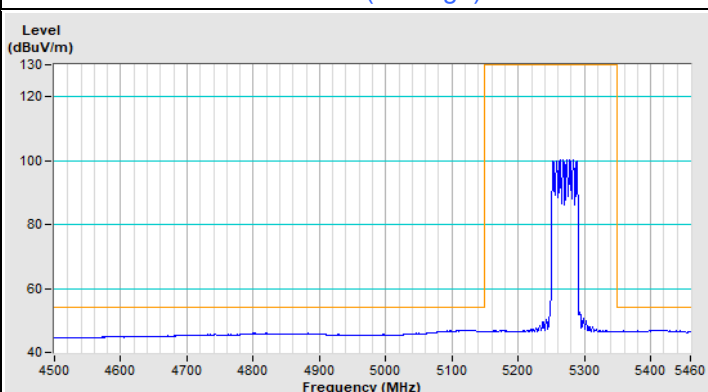
Horizontal (Peak)



Horizontal (Average)

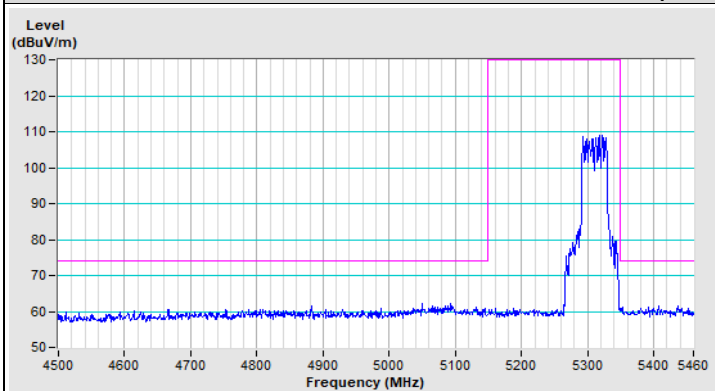


Vertical (Peak)

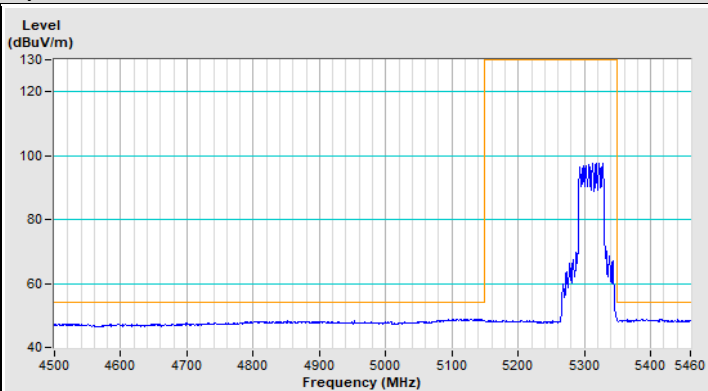


Vertical (Average)

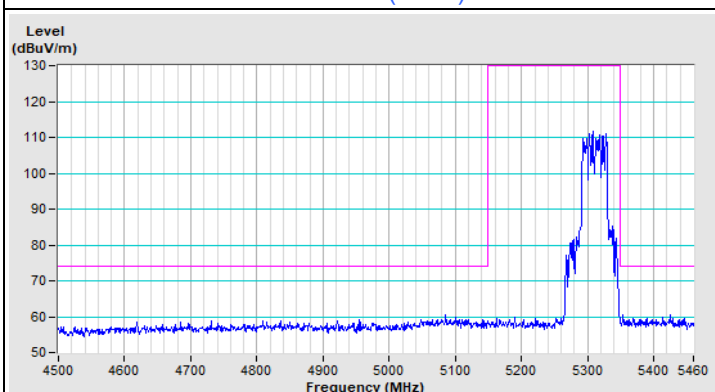
802.11be (EHT40) Channel 62



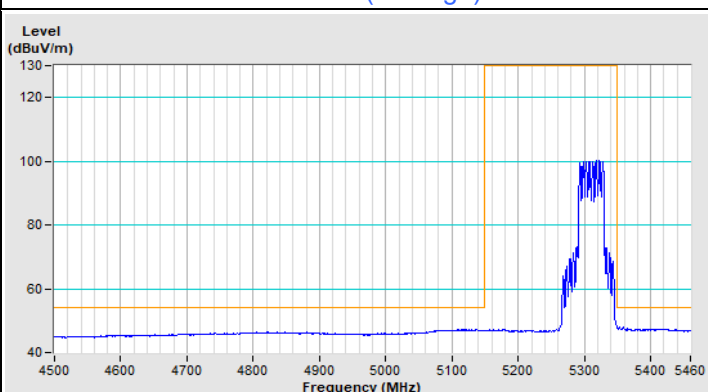
Horizontal (Peak)



Horizontal (Average)

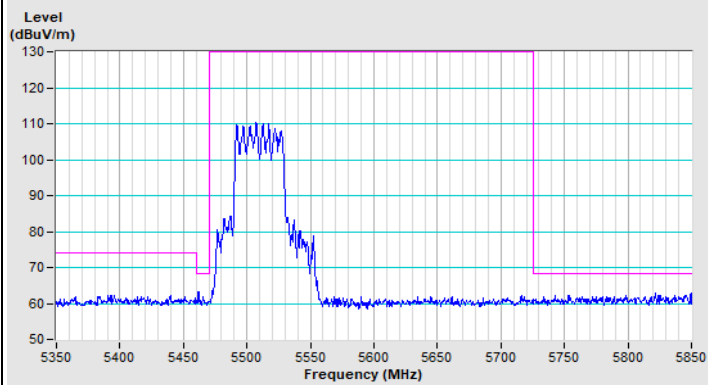


Vertical (Peak)

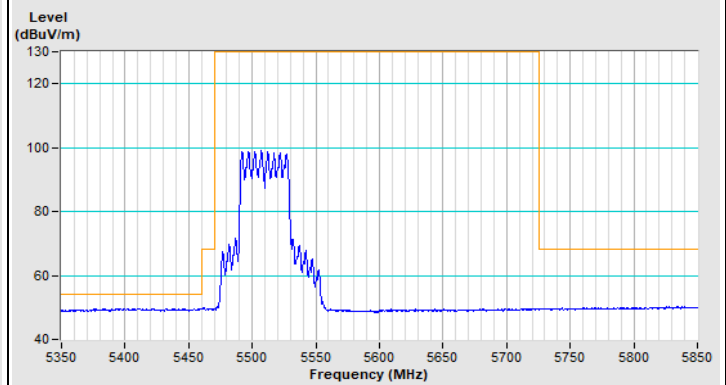


Vertical (Average)

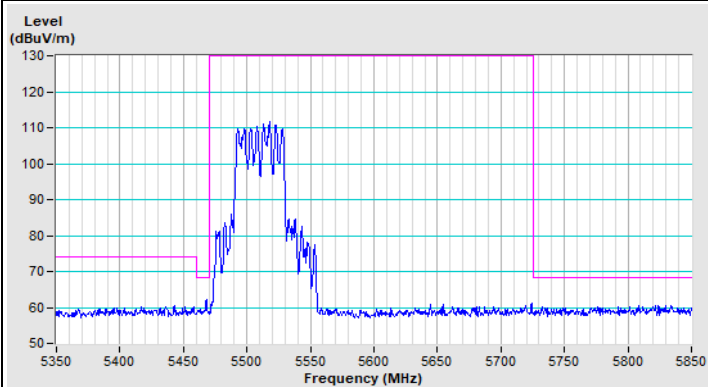
802.11be (EHT40) Channel 102



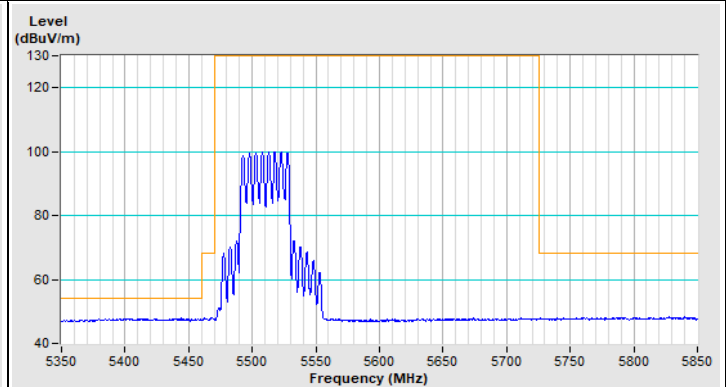
Horizontal (Peak)



Horizontal (Average)

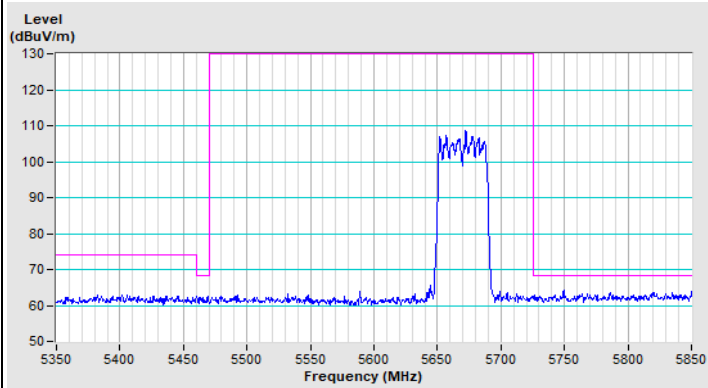


Vertical (Peak)

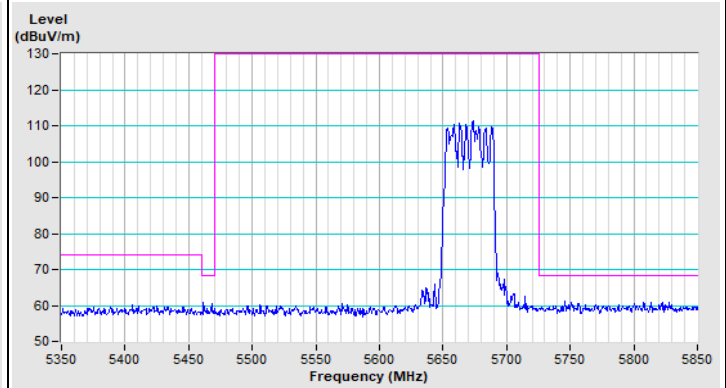


Vertical (Average)

802.11be (EHT40) Channel 134

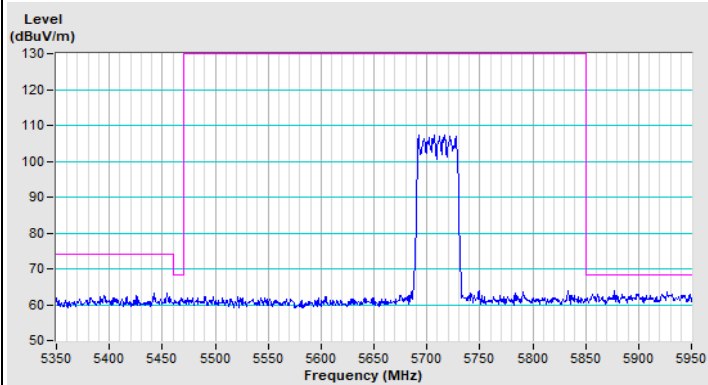


Horizontal (Peak)

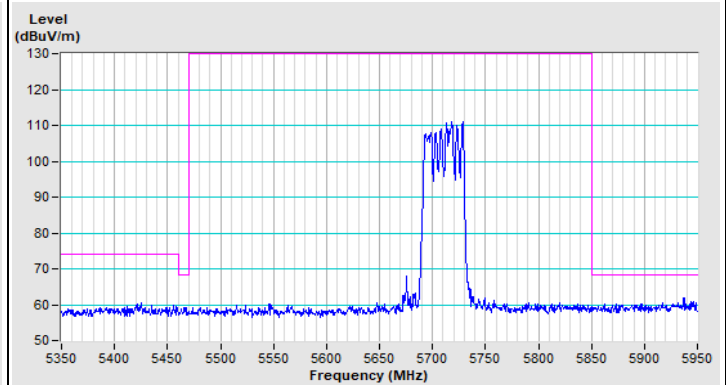


Vertical (Peak)

802.11be (EHT40) Channel 142

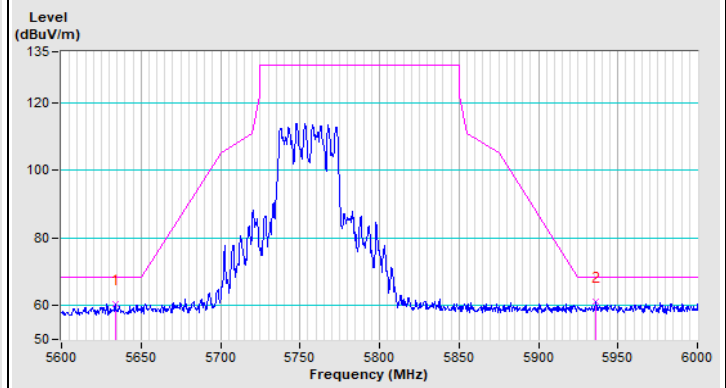
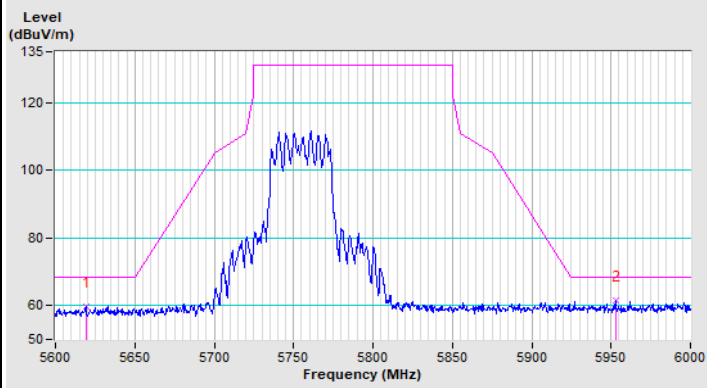


Horizontal (Peak)

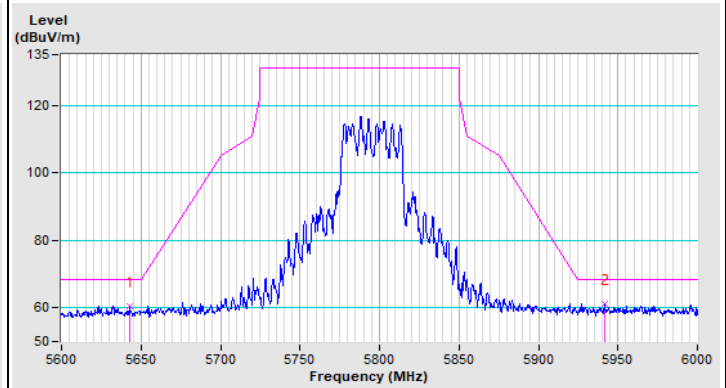
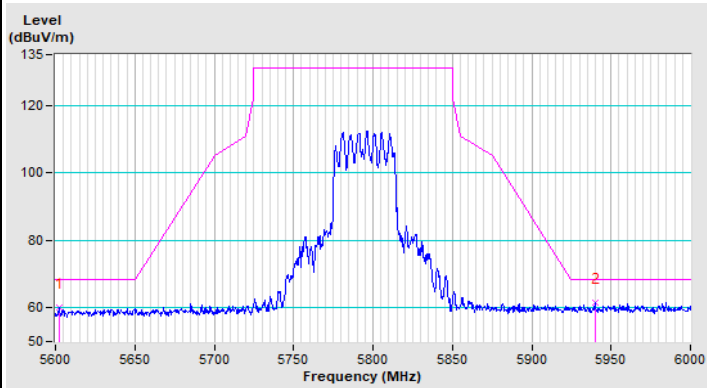


Vertical (Peak)

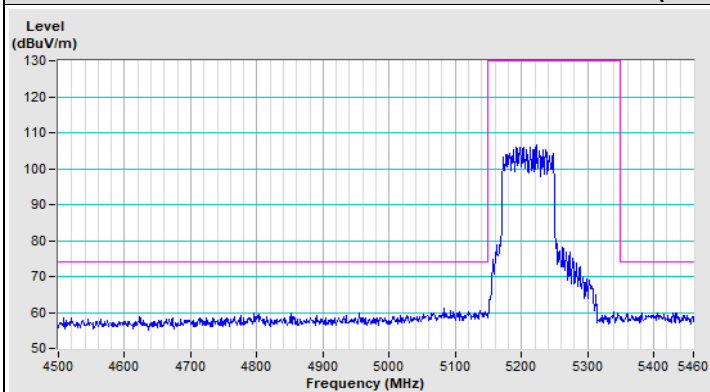
802.11be (EHT40) Channel 151



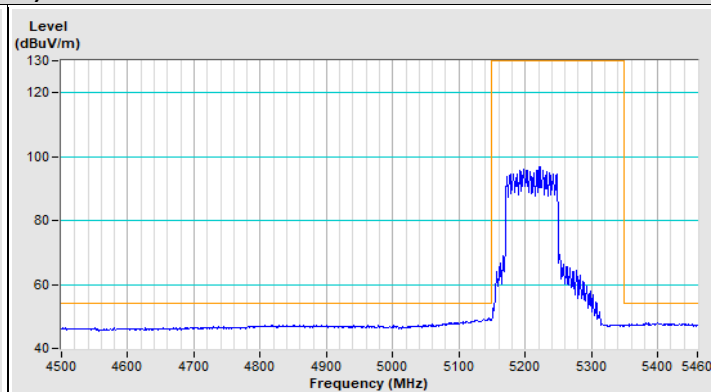
802.11be (EHT40) Channel 159



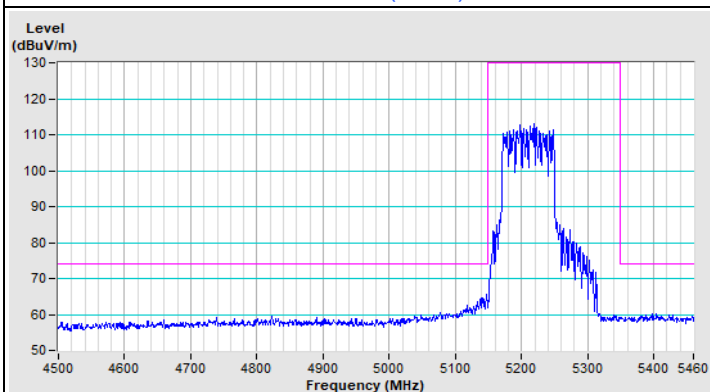
802.11be (EHT80) Channel 42



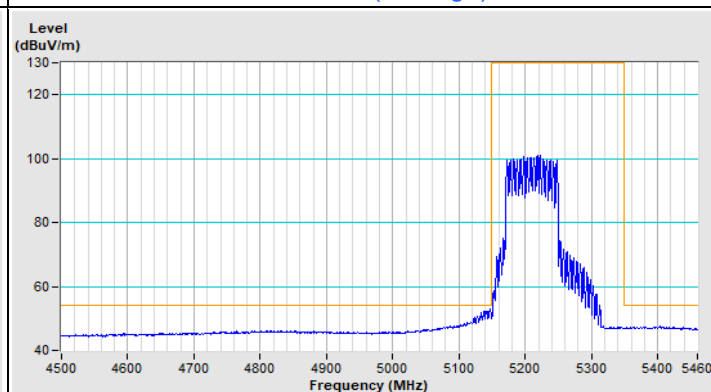
Horizontal (Peak)



Horizontal (Average)

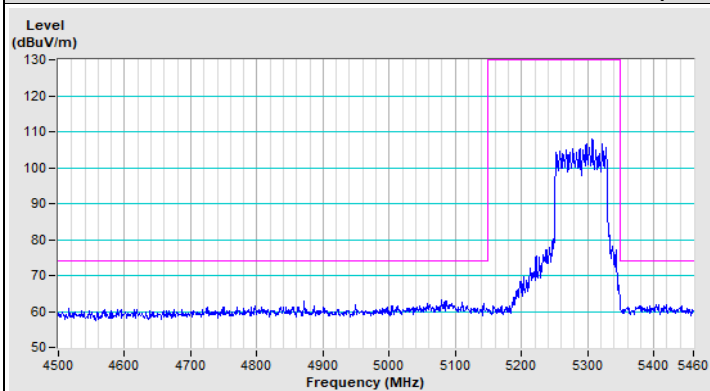


Vertical (Peak)

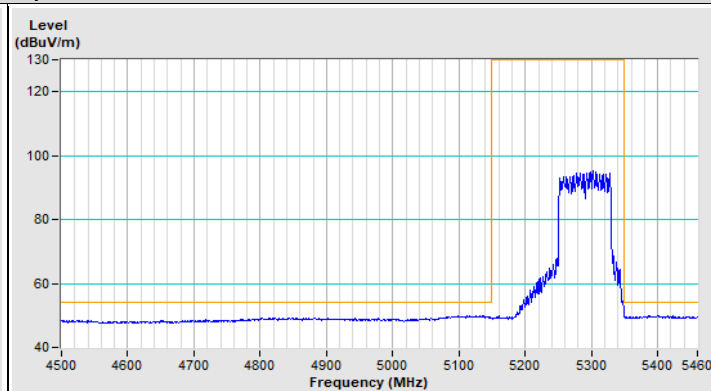


Vertical (Average)

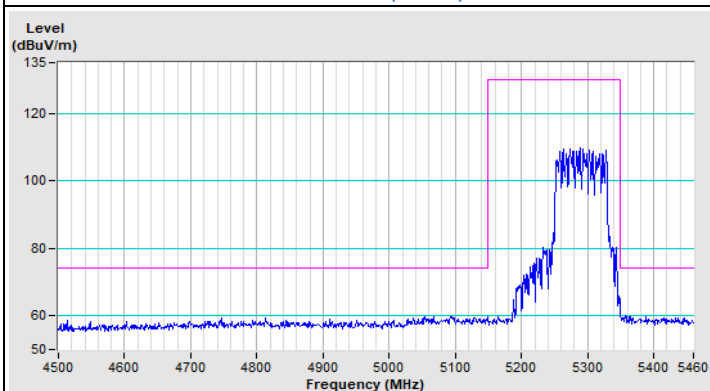
802.11be (EHT80) Channel 58



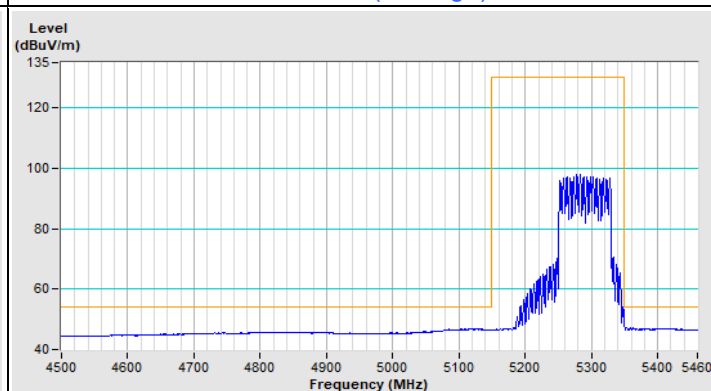
Horizontal (Peak)



Horizontal (Average)

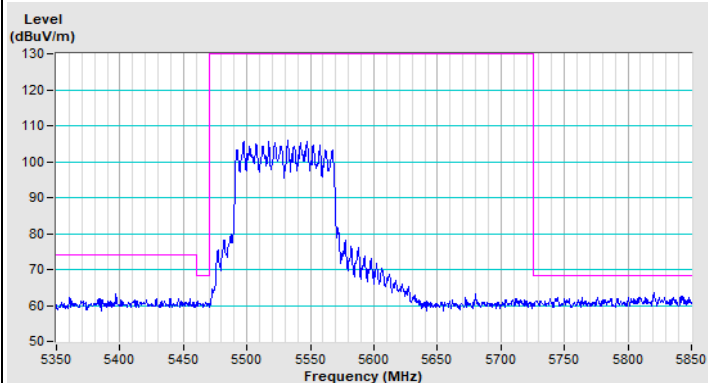


Vertical (Peak)

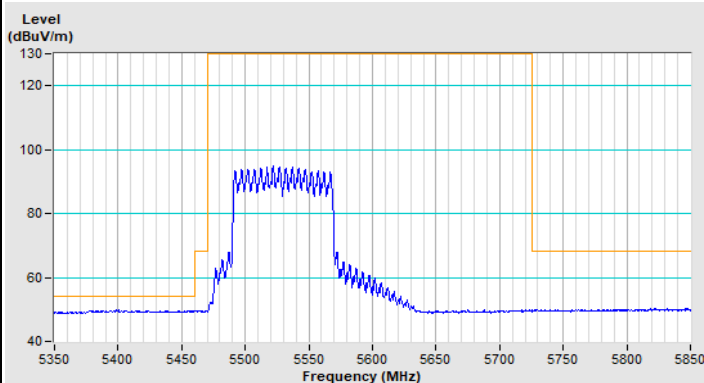


Vertical (Average)

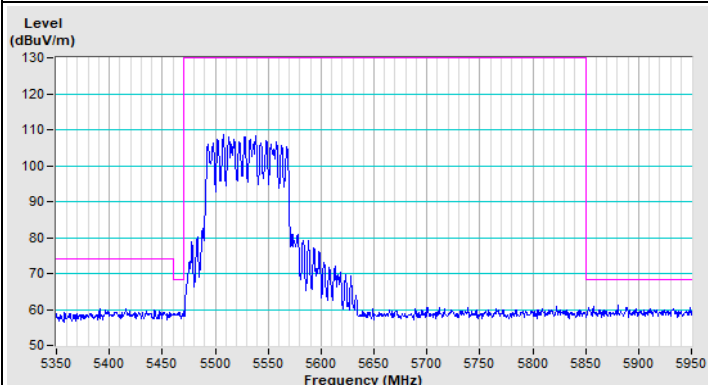
802.11be (EHT80) Channel 106



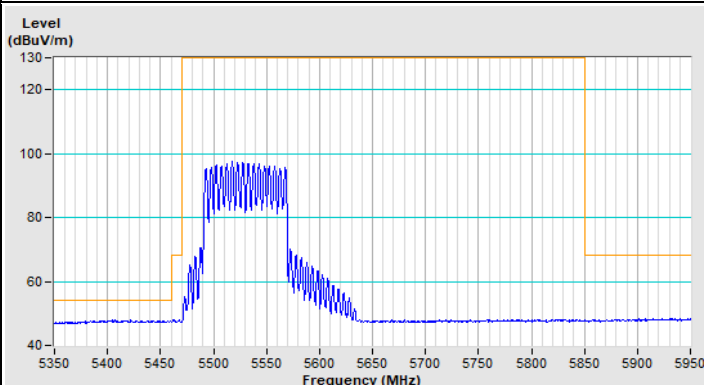
Horizontal (Peak)



Horizontal (Average)

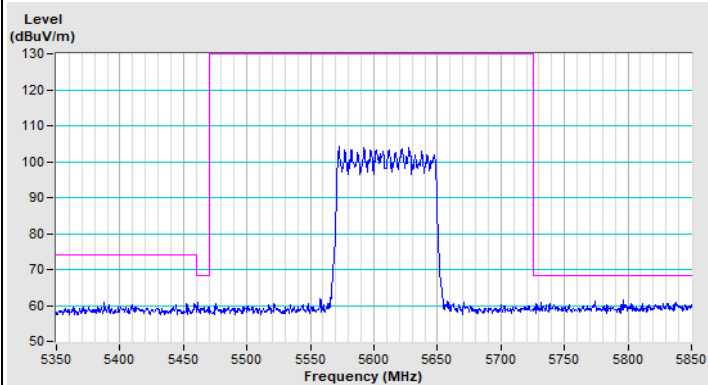


Vertical (Peak)

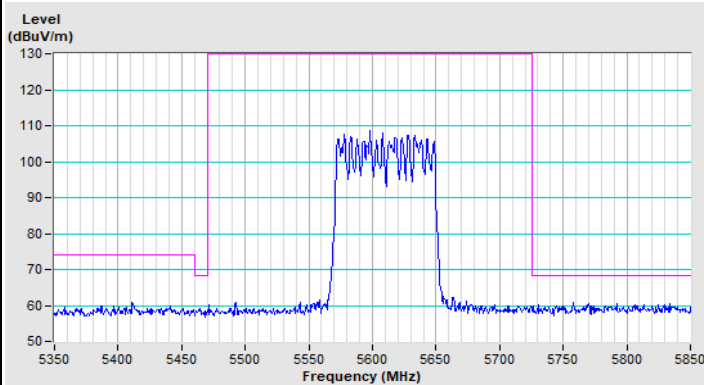


Vertical (Average)

802.11be (EHT80) Channel 122

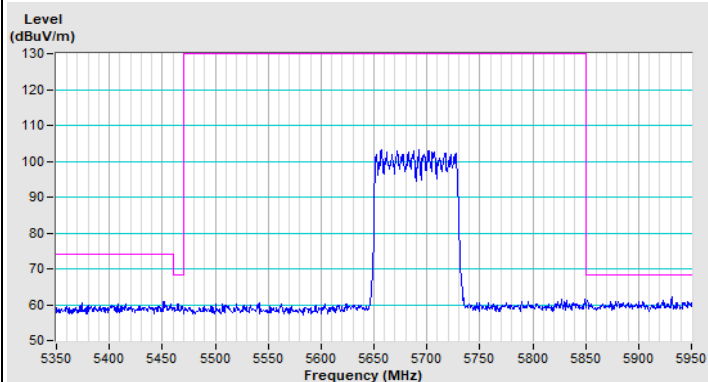


Horizontal (Peak)

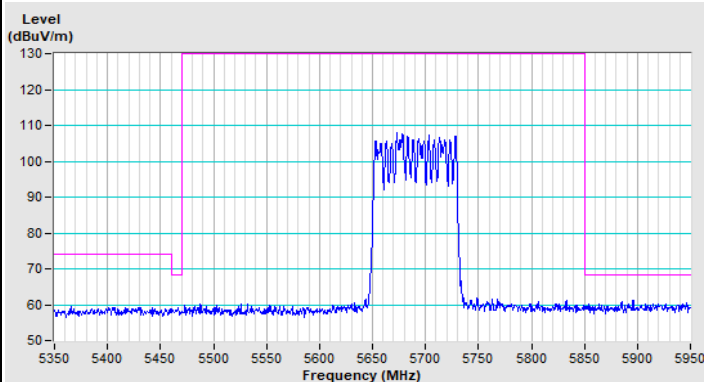


Vertical (Peak)

802.11be (EHT80) Channel 138

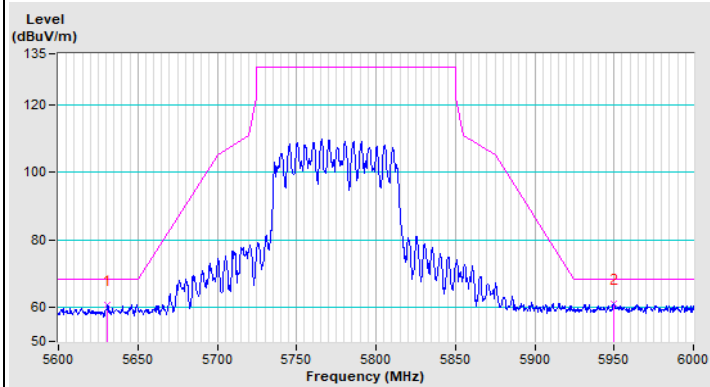


Horizontal (Peak)

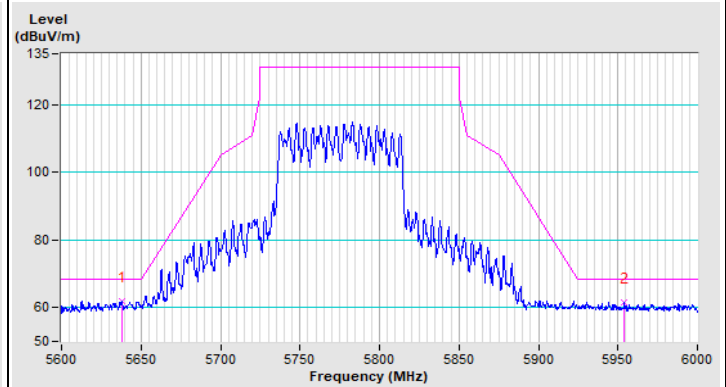


Vertical (Peak)

802.11be (EHT80) Channel 155

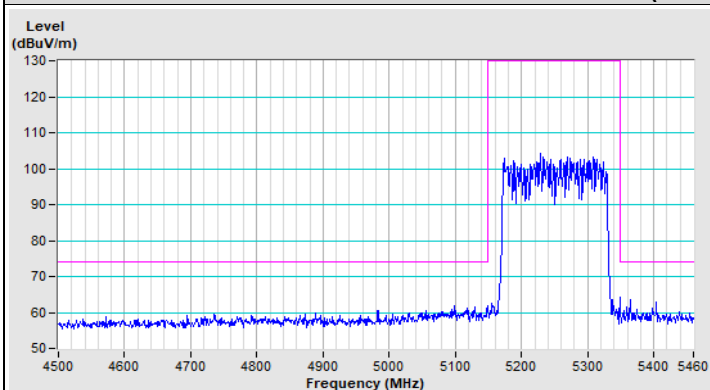


Horizontal (Peak)

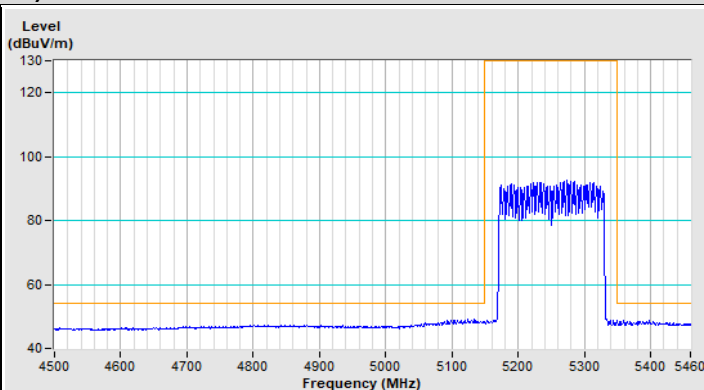


Vertical (Peak)

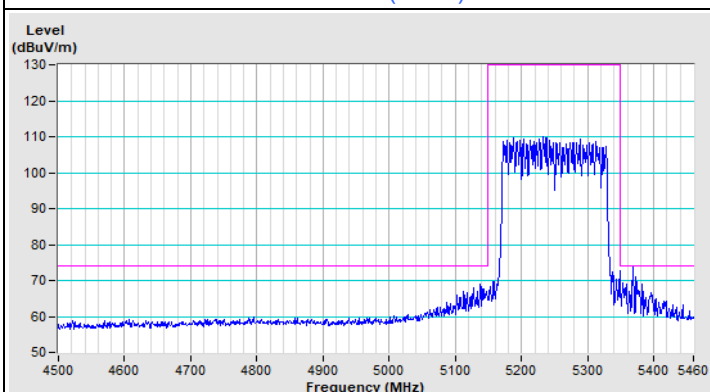
802.11be (EHT160) Channel 50



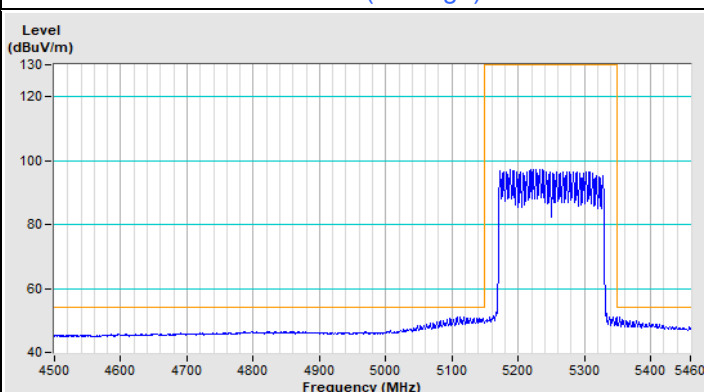
Horizontal (Peak)



Horizontal (Average)

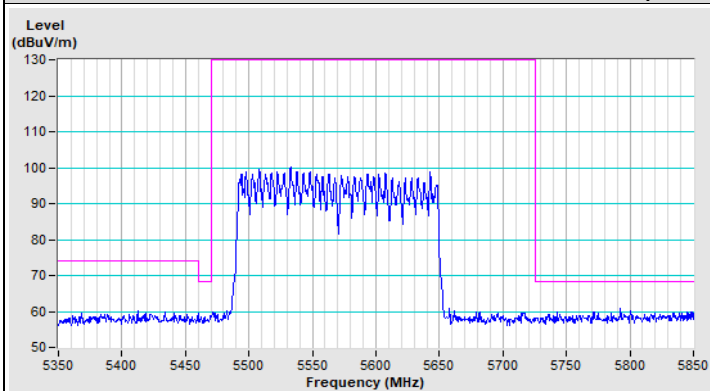


Vertical (Peak)

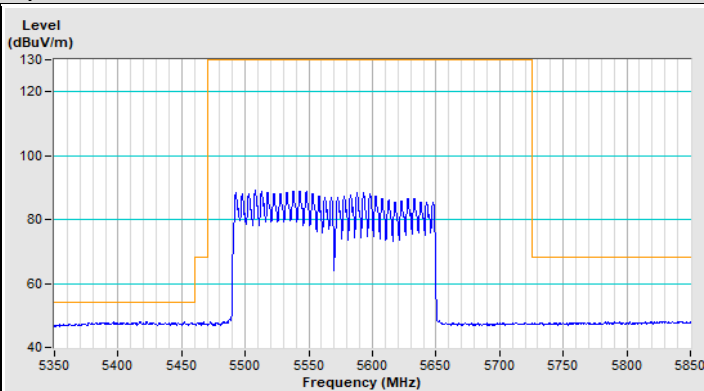


Vertical (Average)

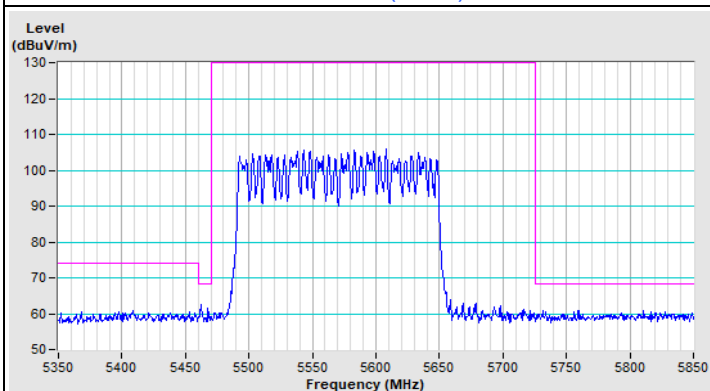
802.11be (EHT160) Channel 114



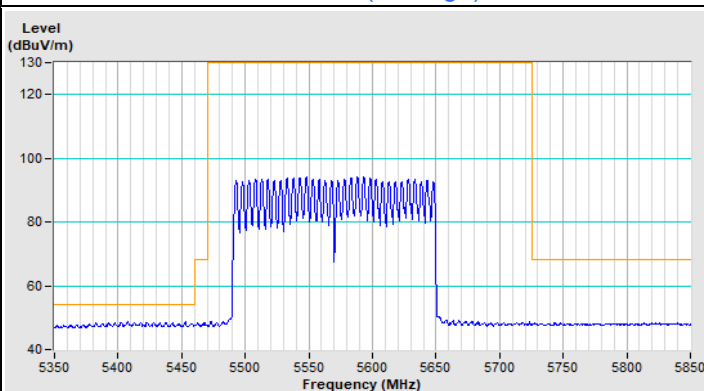
Horizontal (Peak)



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:

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Web Site: <http://ee.bureauveritas.com.tw>

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

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