TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBBQZ-WTW-P24080648-1
FCC ID:	PY324400641
Product:	Orbi Router, Orbi Satellite
Brand:	NETGEAR
Model No.:	RBE371
Series Model:	RBE370
Received Date:	2024/10/24
Test Date:	2025/2/8 ~ 2025/3/28
Issued Date:	2025/5/20
Applicant and Manufacturer:	NETGEAR, Inc.
Address:	350 East Plumeria Drive San Jose, CA 95134
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** 2025/5/20

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-P24080648-1	Original release.	2025/5/20

1 Certificate

Product:	Orbi Router, Orbi Satellite
Brand:	NETGEAR
Test Model:	RBE371
Series Model:	RBE370
Sample Status:	Engineering sample
Applicant and Manufacturer:	NETGEAR, Inc.
Test Date:	2025/2/8 ~ 2025/3/28
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -12.60 dB at 0.18180 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -8.2 dB at 44.55 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 5148.60 MHz, 5150.00 MHz, 5350.00 MHz, 5470.00 MHz and 5725.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.64 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Orbi Router, Orbi Satellite
Brand	NETGEAR
Test Model	RBE371
Series Model	RBE370
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2401.9 Mbps 802.11be: up to 4323.5 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.25 GHz ~ 5.32 GHz 5.50 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 12 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 6 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2 802.11 be (EHT240): 1
Output Power	5.18 GHz ~ 5.25 GHz: 844.370 mW (29.27 dBm) 5.25 GHz ~ 5.32 GHz: 232.670 mW (23.67 dBm) 5.50 GHz ~ 5.72 GHz: 239.439 mW (23.79 dBm) 5.745 GHz ~ 5.825 GHz: 854.555 mW (29.32 dBm)
EUT Category	Indoor Access Point

Note:

1. All models are listed as below.

Product Description	Model	Difference
Orbi Router	RBE371	DFS mode: Master mode NAND Flash 512 MB 2.5G Ethernet port *1 2.5G Internet port *1
Orbi Satellite	RBE370	DFS mode: Mesh mode NAND Flash 256 MB 2.5G Ethernet port *1

*RBE371 and RBE370 share same PCB/layout/antenna design.

2. The EUT uses following accessories.

AC Adapter 1	Brand	NETGEAR
	Model	ADS-18FQC-12 12018E
	Part Number	332-11762-01
	AC Input	100-240 Vac, 50/60 Hz, 0.7 A
	DC Output	12 Vdc, 1.5 A
	DC Output Cable	1.8 m non-shielded and without core
AC Adapter 2	Brand	NETGEAR
	Model	2AAJ018FC
	Part Number	332-11757-01
	AC Input	100-240 Vac, 50/60 Hz, 0.6 A
	DC Output	12 Vdc, 1.5 A
	DC Output Cable	1.85 m non-shielded and without core
Ethernet Cable	Brand	NETGEAR
	Signal Line	1.97 m non-shielded and without core

3. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4 GHz)	WLAN (5 GHz / 5.9 GHz)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.		

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type	Dipole
Connector Type	ipex(MHF)
Antenna Gain	Directional Gain (dBi)
2400~2483.5 MHz	5.95
5150~5250 MHz	6.02
5250~5350 MHz	6.06
5470~5725 MHz	6.09
5725~5850 MHz	6.12

*The detailed antenna information, please refer to the BV CPS Directional Gain Measurement Report no.: RFBBQZ-WTW-P24080648-5.

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	Tx & Rx Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX
802.11be (EHT240)	2TX	2RX

Note:

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

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

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

Channel	Frequency
114+138	5610 MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

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

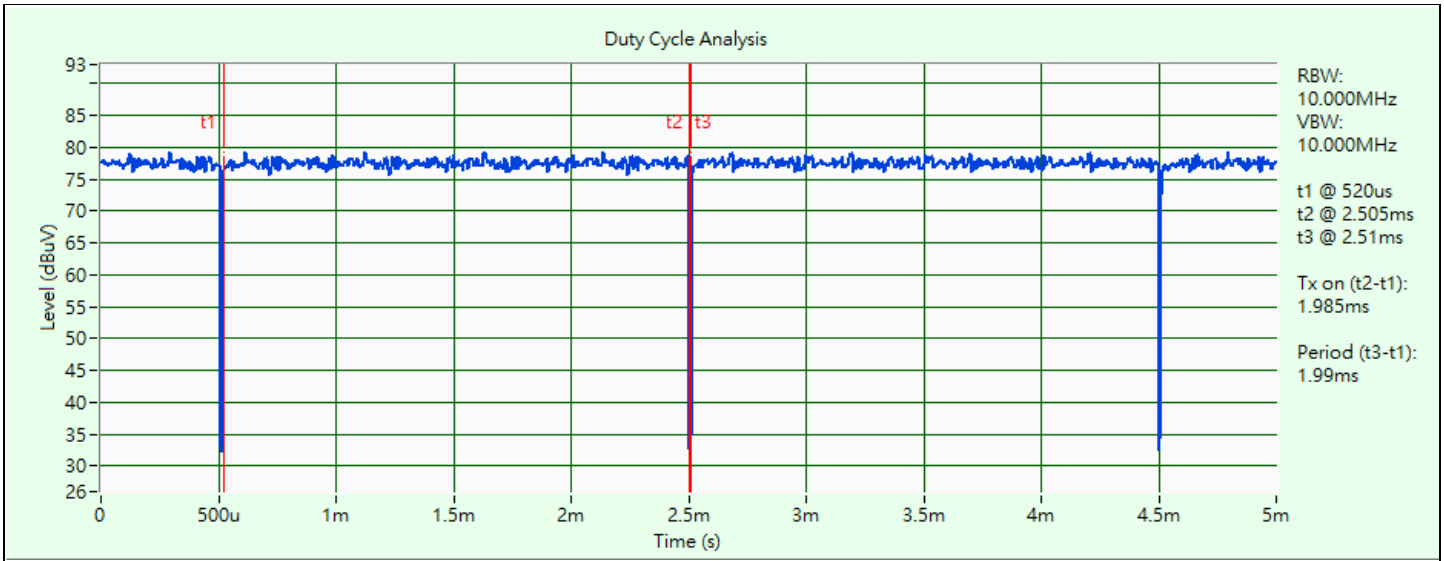
Following channel(s) was (were) selected for the final test as listed below:

Test Item	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)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11be (EHT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11be (EHT80)	CDD	58, 106, 122, 138	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
RF Output Power	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)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD & Beamforming	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD & Beamforming	114+138	BPSK	MCS0
Power Spectral Density	B	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0

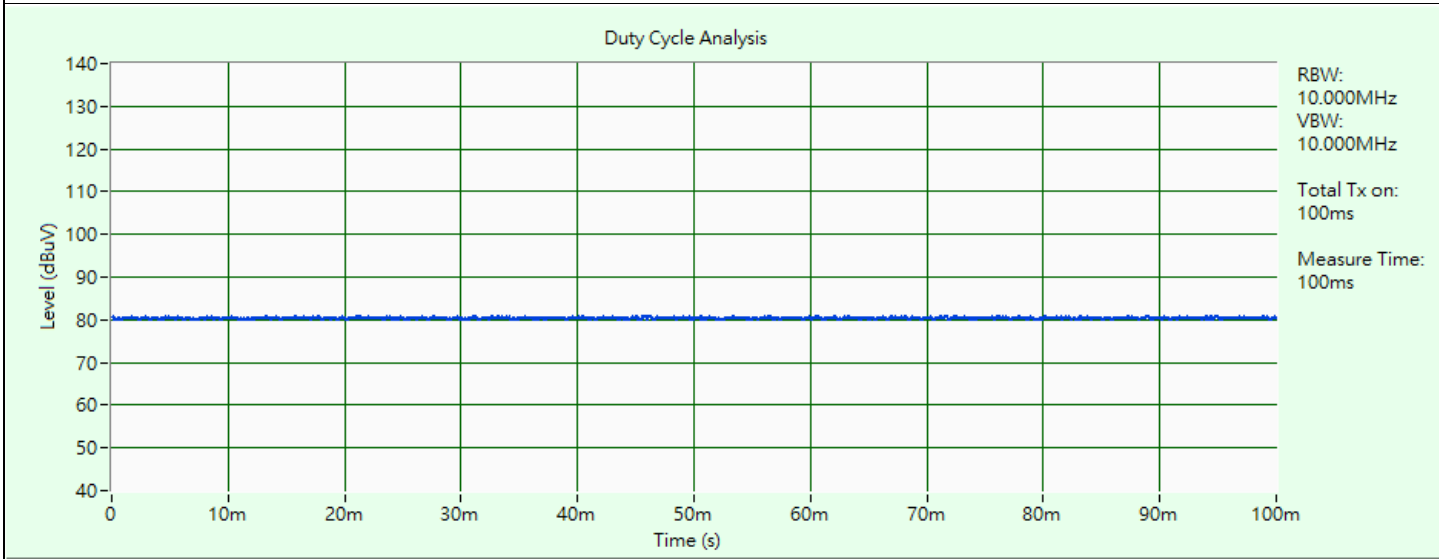
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	B	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	138, 155	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
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)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
AC Power Conducted Emissions	A, B	802.11a	CDD	149	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B	802.11a	CDD	149	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)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
EUT Configure Mode:	A	EUT (Model: RBE370) powered by AC Adapter 2				
	B	EUT (Model: RBE371) powered by AC Adapter 2				

3.5 Duty Cycle of Test Signal

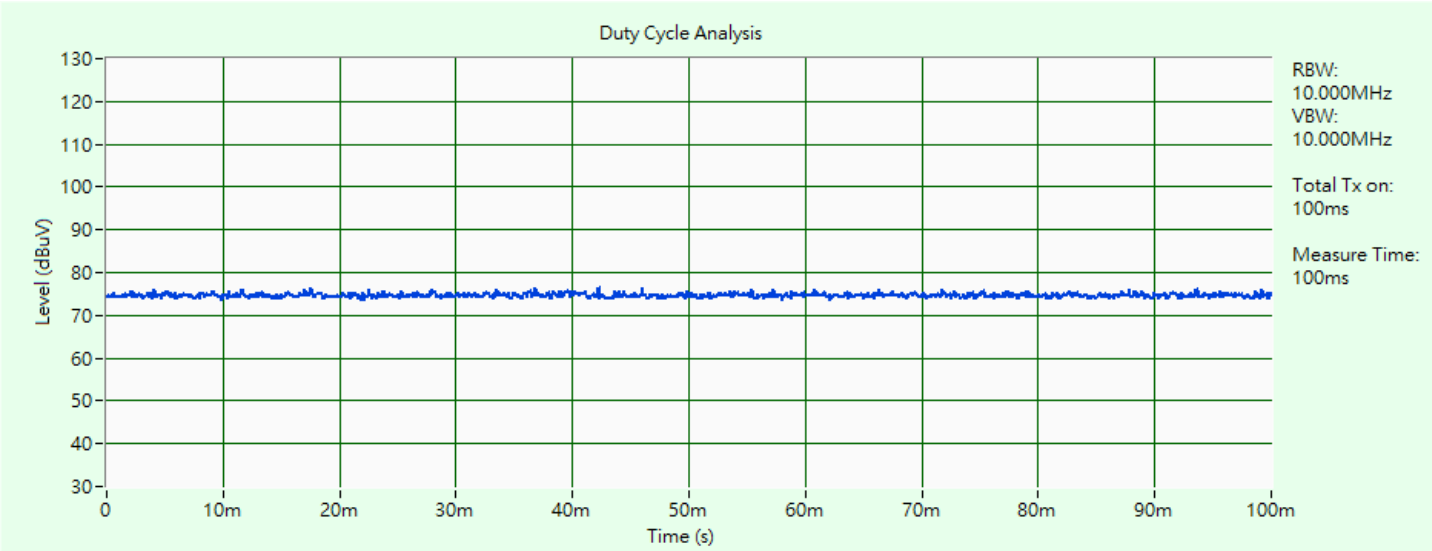
802.11a: Duty cycle = 1.985 ms / 1.99 ms x 100% = 99.7%
802.11be (EHT20): Duty cycle = 100 ms / 100 ms x 100% = 100.0%
802.11be (EHT40): Duty cycle = 100 ms / 100 ms x 100% = 100.0%
802.11be (EHT80): Duty cycle = 100 ms / 100 ms x 100% = 100.0%
802.11be (EHT160): Duty cycle = 100 ms / 100 ms x 100% = 100.0%
802.11be (EHT240): Duty cycle = 2.376 ms / 2.392 ms x 100% = 99.3%



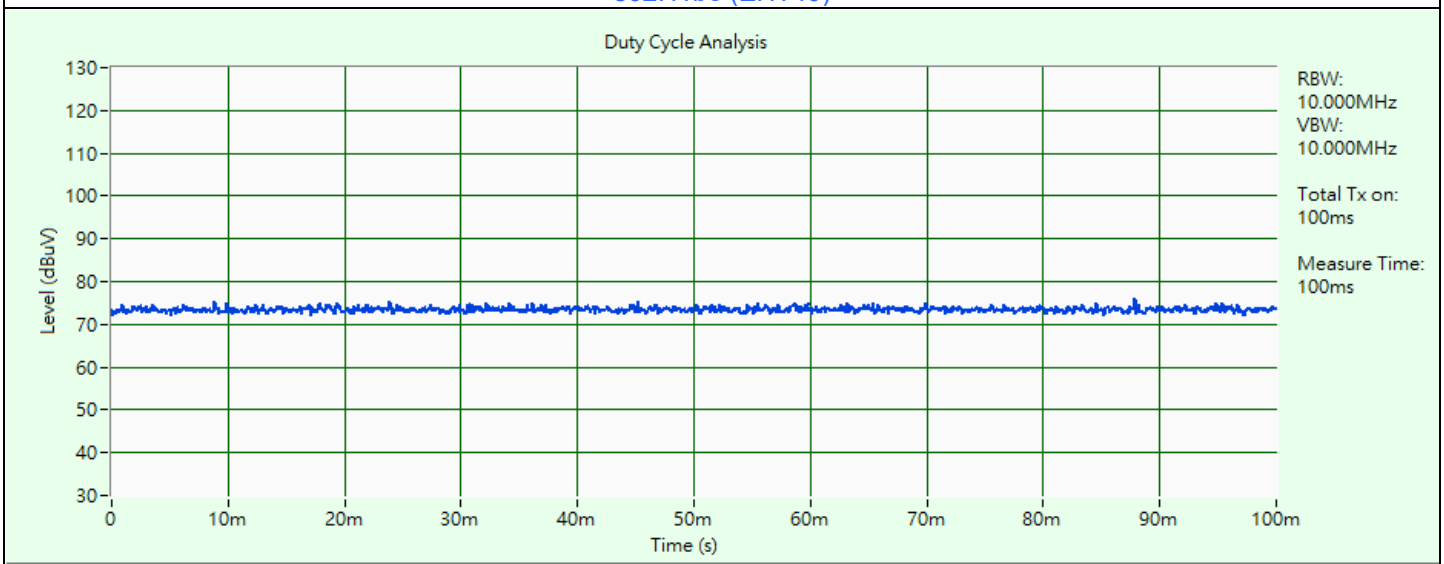
802.11a



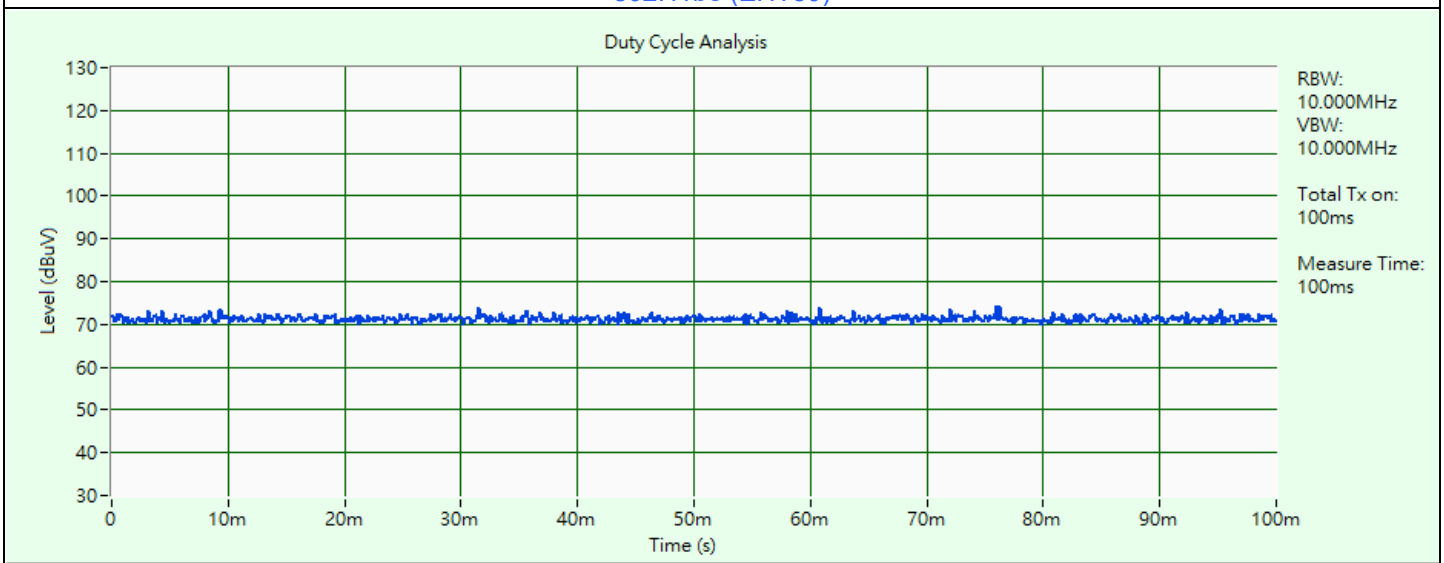
802.11be (EHT20)



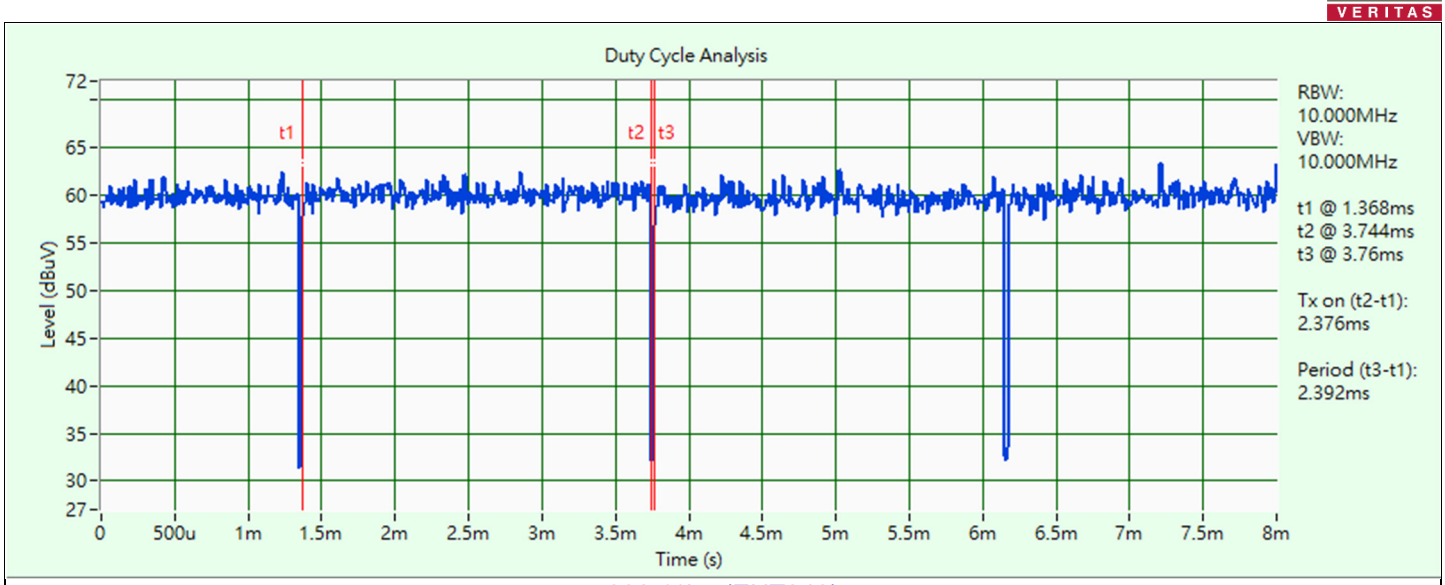
802.11be (EHT40)



802.11be (EHT80)



802.11be (EHT160)



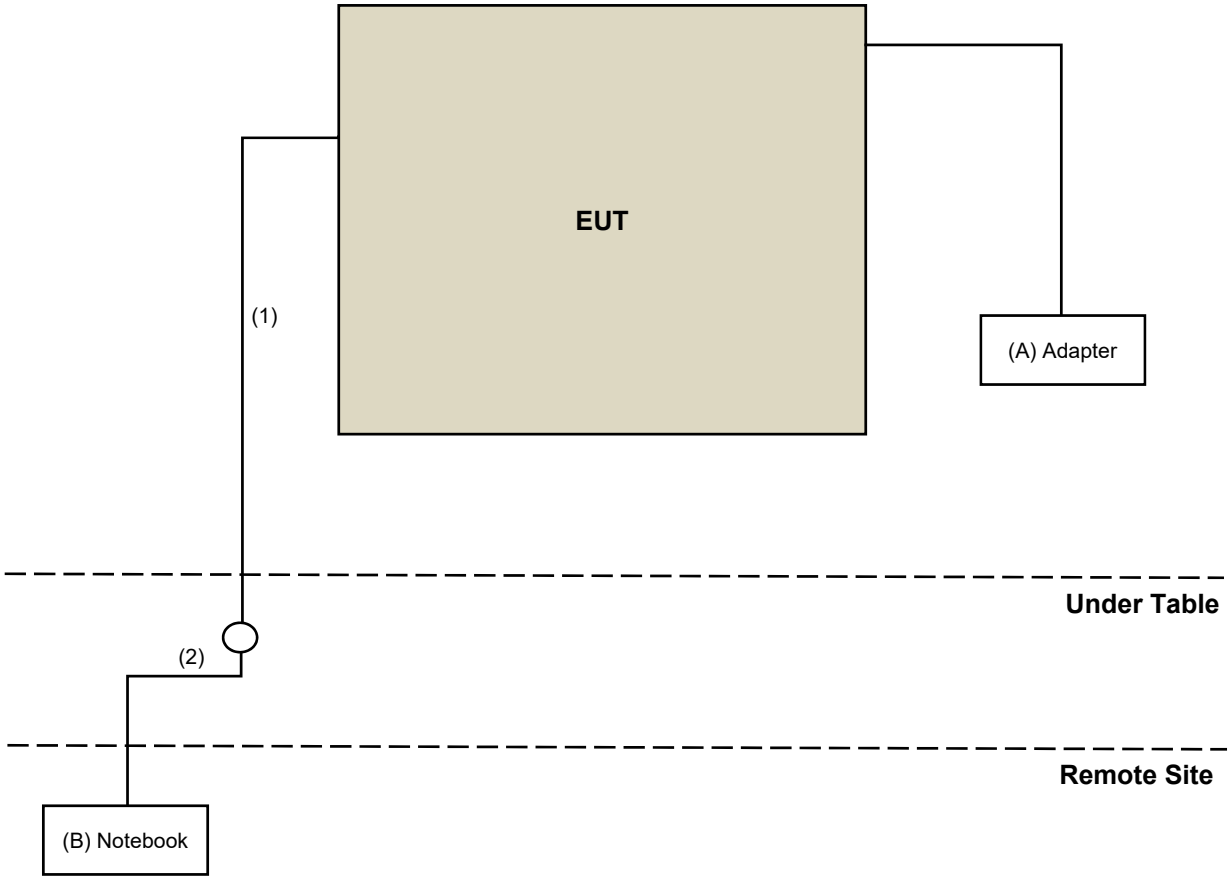
802.11be (EHT240)

3.6 Test Program Used and Operation Descriptions

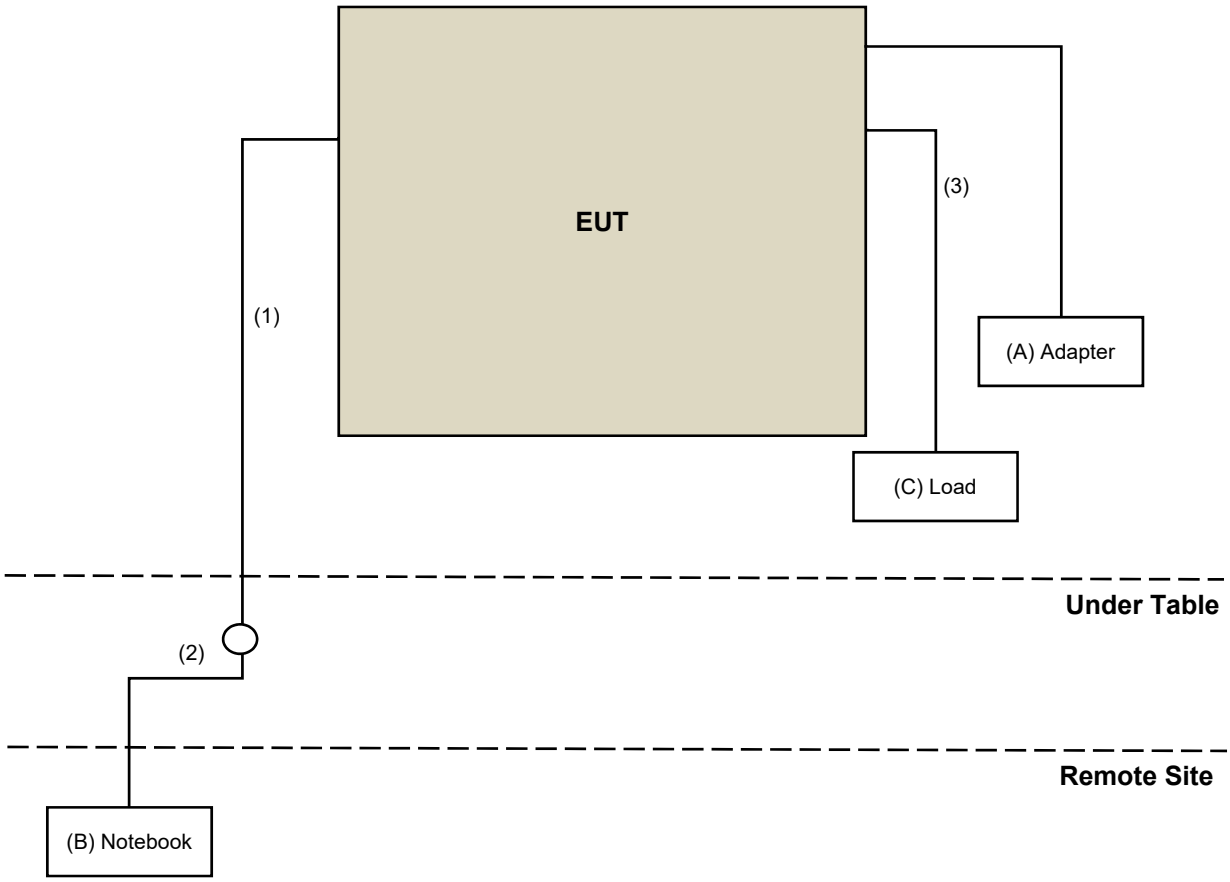
Controlling software QSPR Version 5.0-00202 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Test Mode A



Test Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	NETGEAR	2AAJ018FC	N/A	N/A	Supplied by applicant
B	Notebook	DELL	E5430	2RL3YW1	N/A	Provided by Lab
C	Load	N/A	N/A	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	1.97	N	0	Supplied by applicant
2	RJ-45 Cable	1	10	N	0	Provided by Lab
3	RJ-45 Cable	1	1.5	N	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2024/6/18	2025/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/3/28

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000538	2024/4/29	2025/4/28
Signal & Spectrum Analyzer R&S	FSV3044	101504	2024/6/18	2025/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58200003	2024/6/17	2025/6/16

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/3/28

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2024/11/28	2025/11/27
	E1-011280	05	2024/11/28	2025/11/27
	E1-011311	09	2024/11/28	2025/11/27
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2024/11/5	2025/11/4
EMI Test Receiver R&S	ESCI	100613	2024/11/25	2025/11/24
Fixed Attenuator Mini-Circuits	HAT-10+	PAD-COND1-01	2025/1/5	2026/1/4
LISN R&S	ENV216	101826	2024/3/25	2025/3/24
	ESH3-Z5	100311	2024/9/5	2025/9/4
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2025/1/5	2026/1/4
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2025/3/5

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-155	2024/10/14	2025/10/13
EMI Test Receiver R&S	ESR3	102782	2024/12/10	2025/12/9
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
Preamplifier Agilent	8447D	2944A10631	2024/5/1	2025/4/30
Preamplifier EMCI	EMC001340	980201	2024/9/24	2025/9/23
RF Coaxial Cable Woken	8D-FB	Cable-CH4-01	2024/7/6	2025/7/5
Signal & Spectrum Analyzer R&S	FSW43	101582	2024/4/12	2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2025/3/4

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2024/12/10	2025/12/9
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2024/11/10	2025/11/9
	BBHA 9170	9170-480	2024/11/10	2025/11/9
		BBHA9170241	2024/10/18	2025/10/17
		BBHA9170243	2024/11/10	2025/11/9
Preamplifier EMCI	EMC 184045	980116	2024/9/24	2025/9/23
Preamplifier Keysight	83017A	MY53270295	2024/5/1	2025/4/30
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2024/7/6	2025/7/5
	EMC102-KM-KM-3000	150929	2024/7/6	2025/7/5
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2024/5/1	2025/4/30
		MY 13380+295012/04	2024/5/1	2025/4/30
Signal & Spectrum Analyzer R&S	FSW43	101582	2024/4/12	2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2025/2/8 ~ 2025/3/19

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

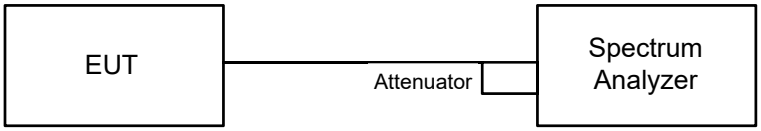
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



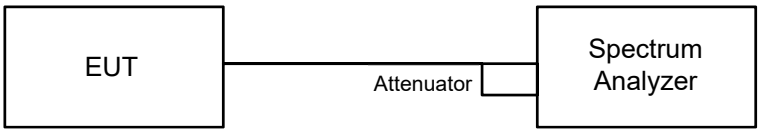
6.1.2 Test Procedure

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

6.2 RF Output Power

6.2.1 Test Setup

For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

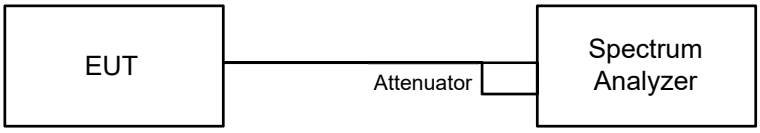
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

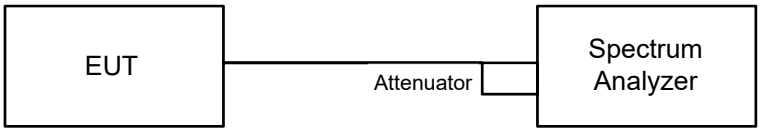
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger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

For specified measurement bandwidth 500 kHz:
Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

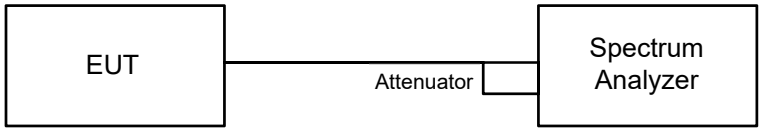


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

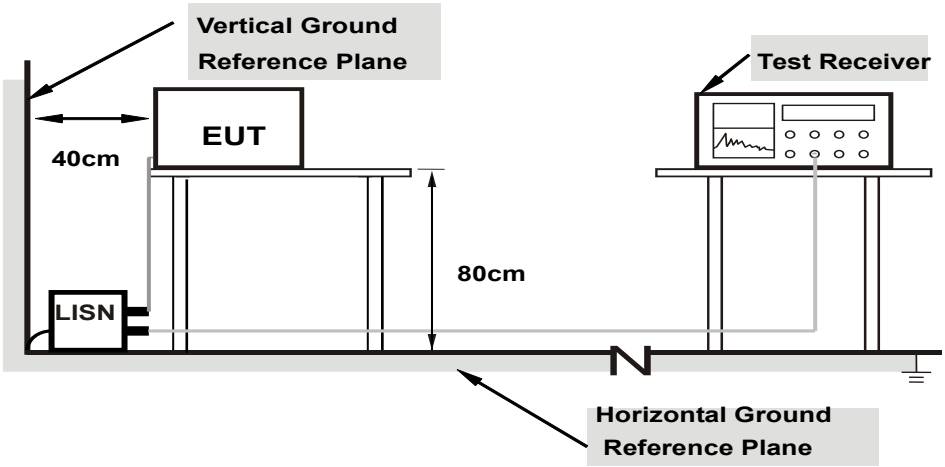


6.5.2 Test Procedure

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

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

a. The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.

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

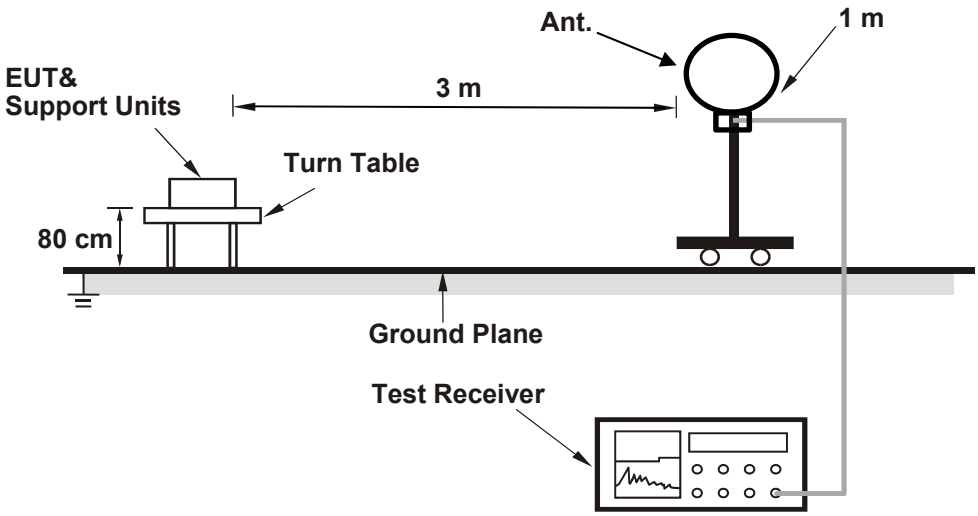
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

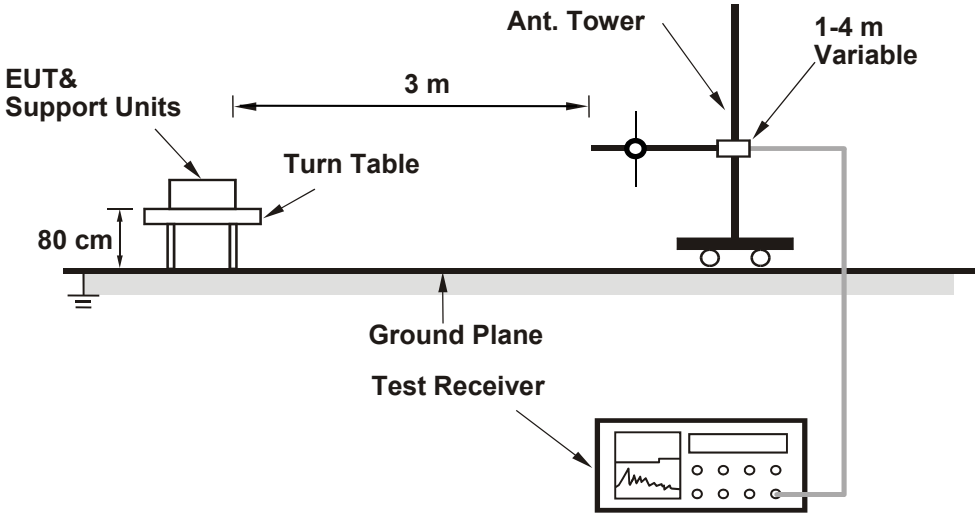
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

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

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

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

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

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

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

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

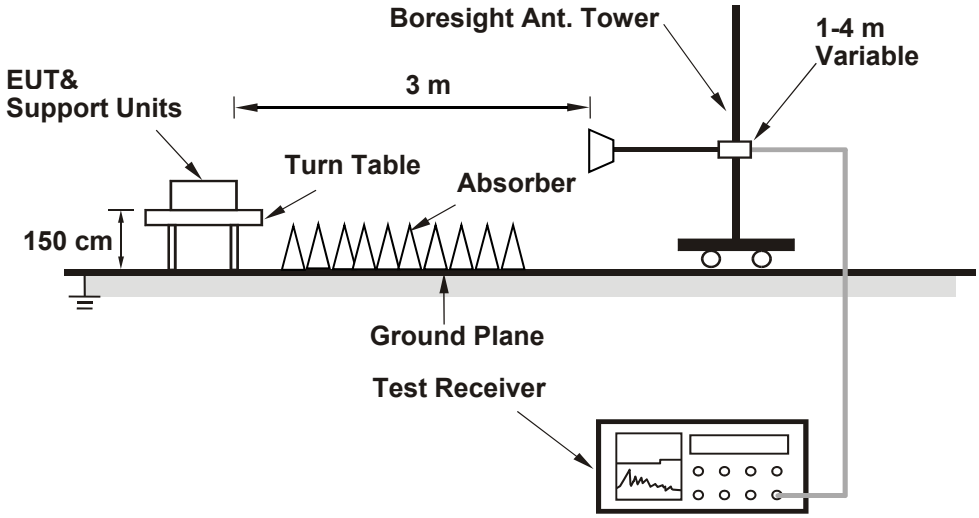
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

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

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	22.27	22.44
60	5300	21.83	22.01
64	5320	21.81	22.05
100	5500	22.22	21.99
116	5580	22.15	21.98
140	5700	22.30	22.06
144 (U-NII-2C)	5720	16.16	16.42
144 (U-NII-3)	5720	6.10	6.17

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.27	24.47	>	24
60	5300	21.83	24.39	>	24
64	5320	21.81	24.38	>	24
100	5500	21.99	24.42	>	24
116	5580	21.98	24.42	>	24
140	5700	22.06	24.43	>	24
144 (U-NII-2C)	5720	16.16	23.08	<	24

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

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	23.58	23.61
60	5300	23.37	23.59
64	5320	22.95	23.73
100	5500	22.42	23.06
116	5580	22.81	23.15
140	5700	22.82	23.13
144 (U-NII-2C)	5720	16.61	16.60
144 (U-NII-3)	5720	6.49	6.43

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	23.58	24.72	>	24
60	5300	23.37	24.68	>	24
64	5320	22.95	24.60	>	24
100	5500	22.42	24.50	>	24
116	5580	22.81	24.58	>	24
140	5700	22.82	24.58	>	24
144 (U-NII-2C)	5720	16.60	23.20	<	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
54	5270	44.33	44.84
62	5310	44.63	44.33
102	5510	44.65	44.21
110	5550	44.41	44.70
134	5670	44.66	44.68
142 (U-NII-2C)	5710	37.16	37.83
142 (U-NII-3)	5710	7.24	7.17

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	44.33	27.46	>	24
62	5310	44.33	27.46	>	24
102	5510	44.21	27.45	>	24
110	5550	44.41	27.47	>	24
134	5670	44.66	27.49	>	24
142 (U-NII-2C)	5710	37.16	26.70	>	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
58	5290	89.80	88.15
106	5530	87.68	88.80
122	5610	87.10	87.57
138 (U-NII-2C)	5690	79.06	78.72
138 (U-NII-3)	5690	8.35	8.89

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	88.15	30.45	>	24
106	5530	87.68	30.42	>	24
122	5610	87.10	30.40	>	24
138 (U-NII-2C)	5690	78.72	29.96	>	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
50 (U-NII-1)	5250	87.53	87.70
50 (U-NII-2A)	5250	89.47	86.45
114	5570	177.68	176.38

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	86.45	30.36 > 24
114	5570	176.38	33.46 > 24

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

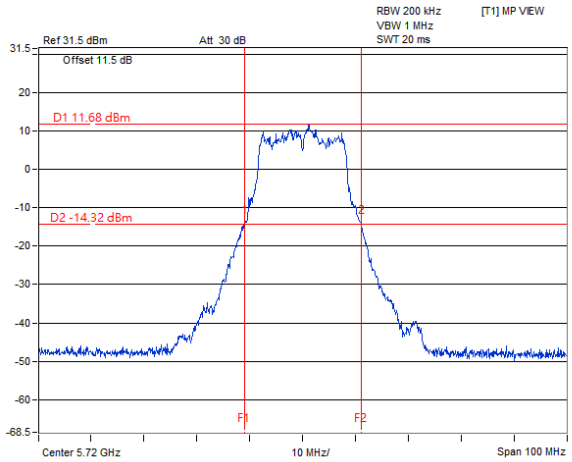
802.11be (EHT240)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
114+138 (U-NII-2C)	5610	250.88	252.96
114+138 (U-NII-3)	5610	15.18	12.53

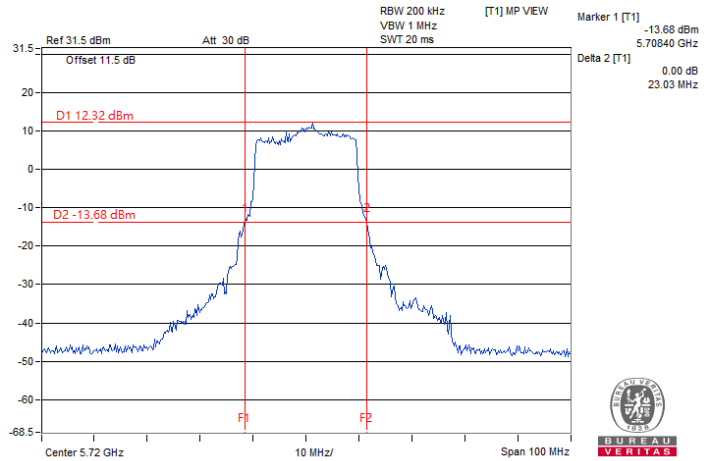
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
114+138 (U-NII-2C)	5610	250.88	34.99 > 24

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

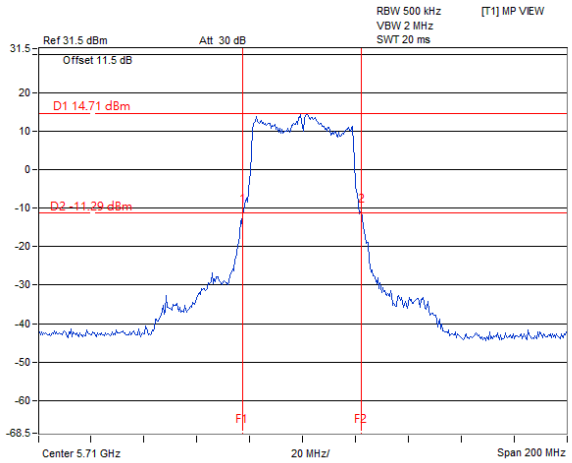
Spectrum Plot of Minimum Value



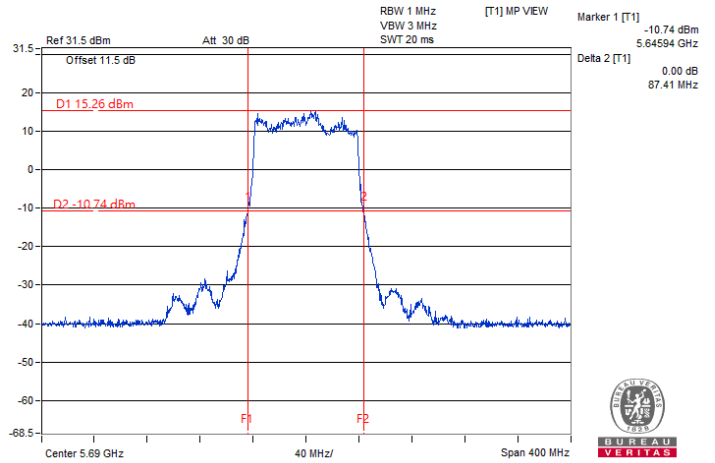
802.11a / Chain 0 : CH 144 (U-NII-3)



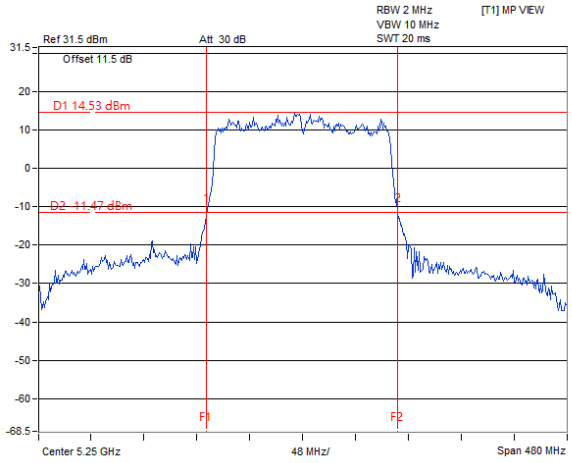
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



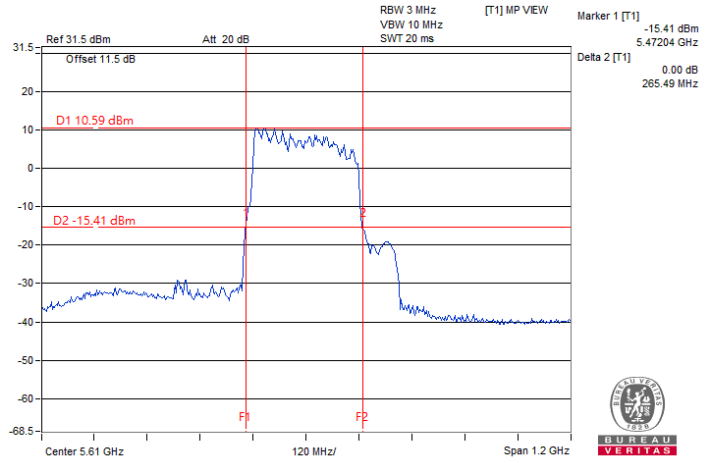
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



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



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



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

Notes:

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

7.2 RF Output Power

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

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	25.08	25.06	642.734	28.08	30	Pass
40	5200	26.25	26.22	840.490	29.25	30	Pass
48	5240	25.77	25.75	753.410	28.77	30	Pass
52	5260	19.31	19.23	169.063	22.28	24	Pass
60	5300	20.13	19.89	200.538	23.02	24	Pass
64	5320	19.45	19.34	174.006	22.41	24	Pass
100	5500	18.98	18.93	157.231	21.97	24	Pass
116	5580	19.59	19.68	183.888	22.65	24	Pass
140	5700	19.68	19.76	187.520	22.73	24	Pass
*144 (U-NII-2C)	5720	18.78	18.87	152.600	21.84	23.08	Pass
*144 (U-NII-3)	5720	12.04	12.02	31.918	15.04	30	Pass
149	5745	26.17	26.44	854.555	29.32	30	Pass
157	5785	26.13	26.45	851.775	29.30	30	Pass
165	5825	26.11	26.17	822.319	29.15	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.26 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.84 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.74 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				
36	5180	25.50	25.57	715.392	28.55	30	Pass
40	5200	26.02	26.21	817.775	29.13	30	Pass
48	5240	26.34	26.09	836.970	29.23	30	Pass
52	5260	20.35	20.12	211.194	23.25	24	Pass
60	5300	20.22	20.16	208.949	23.20	24	Pass
64	5320	20.27	20.21	211.369	23.25	24	Pass
100	5500	20.26	20.24	211.851	23.26	24	Pass
116	5580	20.20	20.29	211.618	23.26	24	Pass
140	5700	20.16	20.41	213.653	23.30	24	Pass
*144 (U-NII-2C)	5720	18.95	18.97	157.410	21.97	23.2	Pass
*144 (U-NII-3)	5720	14.00	13.46	47.301	16.75	30	Pass
149	5745	26.18	26.22	833.748	29.21	30	Pass
157	5785	26.19	26.32	844.459	29.27	30	Pass
165	5825	25.81	26.45	822.636	29.15	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.26 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.84 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.74 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				
38	5190	20.42	20.37	219.047	23.41	30	Pass
46	5230	26.27	26.24	844.370	29.27	30	Pass
54	5270	20.33	20.12	210.696	23.24	24	Pass
62	5310	20.79	20.52	232.670	23.67	24	Pass
102	5510	20.90	20.66	239.439	23.79	24	Pass
110	5550	20.24	20.27	212.096	23.27	24	Pass
134	5670	20.16	20.37	212.646	23.28	24	Pass
*142 (U-NII-2C)	5710	19.79	19.85	191.885	22.83	24	Pass
*142 (U-NII-3)	5710	8.37	8.99	14.796	11.70	30	Pass
151	5755	26.16	26.36	845.561	29.27	30	Pass
159	5795	26.22	26.29	844.392	29.27	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.26 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.84 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.74 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				
42	5210	21.62	21.35	281.669	24.50	30	Pass
58	5290	20.74	20.21	223.531	23.49	24	Pass
106	5530	20.70	20.58	231.778	23.65	24	Pass
122	5610	20.48	20.63	227.298	23.57	24	Pass
*138 (U-NII-2C)	5690	20.28	20.46	217.833	23.38	24	Pass
*138 (U-NII-3)	5690	5.24	5.81	7.153	8.54	30	Pass
155	5775	26.18	25.96	809.411	29.08	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.26 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.84 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.74 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				
*50 (U-NII-1)	5250	18.33	18.35	136.468	21.35	30	Pass
*50 (U-NII-2A)	5250	18.43	17.83	130.336	21.15	24	Pass
114	5570	20.03	20.07	202.318	23.06	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 4.26 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.84 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT240)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*114+138 (U-NII-2C)	5610	17.60	17.06	108.360	20.35	24	Pass
*114+138 (U-NII-3)	5610	-3.94	-5.52	0.6842	-1.65	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-2C, the maximum gain is 4.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the maximum gain is 4.74 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				
36	5180	25.50	25.57	715.392	28.55	29.98	Pass
40	5200	26.02	26.21	817.775	29.13	29.98	Pass
48	5240	26.34	26.09	836.970	29.23	29.98	Pass
52	5260	20.35	20.12	211.194	23.25	23.94	Pass
60	5300	20.22	20.16	208.949	23.20	23.94	Pass
64	5320	20.27	20.21	211.369	23.25	23.94	Pass
100	5500	20.26	20.24	211.851	23.26	23.91	Pass
116	5580	20.20	20.29	211.618	23.26	23.91	Pass
140	5700	20.16	20.41	213.653	23.30	23.91	Pass
*144 (U-NII-2C)	5720	18.95	18.97	157.410	21.97	23.11	Pass
*144 (U-NII-3)	5720	14.00	13.46	47.301	16.75	29.88	Pass
149	5745	26.18	26.22	833.748	29.21	29.88	Pass
157	5785	26.19	26.32	844.459	29.27	29.88	Pass
165	5825	25.81	26.45	822.636	29.15	29.88	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.02-6) = 29.98 dBm.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.06-6)].
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.09-6)].
6. For U-NII-3, the directional gain is 6.12 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.12-6) = 29.88 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				
38	5190	20.42	20.37	219.047	23.41	29.98	Pass
46	5230	26.27	26.24	844.370	29.27	29.98	Pass
54	5270	20.33	20.12	210.696	23.24	23.94	Pass
62	5310	20.79	20.52	232.670	23.67	23.94	Pass
102	5510	20.90	20.66	239.439	23.79	23.91	Pass
110	5550	20.24	20.27	212.096	23.27	23.91	Pass
134	5670	20.16	20.37	212.646	23.28	23.91	Pass
*142 (U-NII-2C)	5710	19.79	19.85	191.885	22.83	23.91	Pass
*142 (U-NII-3)	5710	8.37	8.99	14.796	11.70	29.88	Pass
151	5755	26.16	26.36	845.561	29.27	29.88	Pass
159	5795	26.22	26.29	844.392	29.27	29.88	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.02-6) = 29.98 dBm.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.06-6)].
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.09-6)].
6. For U-NII-3, the directional gain is 6.12 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.12-6) = 29.88 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				
42	5210	21.62	21.35	281.669	24.50	29.98	Pass
58	5290	20.74	20.21	223.531	23.49	23.94	Pass
106	5530	20.70	20.58	231.778	23.65	23.91	Pass
122	5610	20.48	20.63	227.298	23.57	23.91	Pass
*138 (U-NII-2C)	5690	20.28	20.46	217.833	23.38	23.91	Pass
*138 (U-NII-3)	5690	5.24	5.81	7.153	8.54	29.88	Pass
155	5775	26.18	25.96	809.411	29.08	29.88	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.02-6) = 29.98 dBm.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.06-6)].
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.09-6)].
6. For U-NII-3, the directional gain is 6.12 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.12-6) = 29.88 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				
*50 (U-NII-1)	5250	16.08	16.34	83.604	19.22	29.98	Pass
*50 (U-NII-2A)	5250	16.85	16.45	92.574	19.66	23.94	Pass
114	5570	18.45	18.69	143.945	21.58	23.91	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.02-6) = 29.98 dBm.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.06-6)].
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.09-6)].

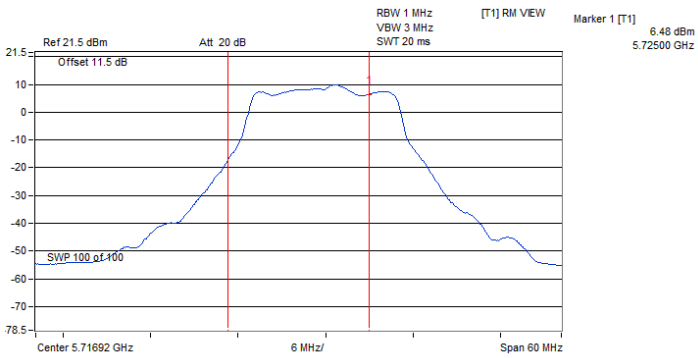
802.11be (EHT240) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*114+138 (U-NII-2C)	5610	17.60	17.06	108.360	20.35	23.91	Pass
*114+138 (U-NII-3)	5610	-3.94	-5.52	0.6842	-1.65	29.88	Pass

Notes:

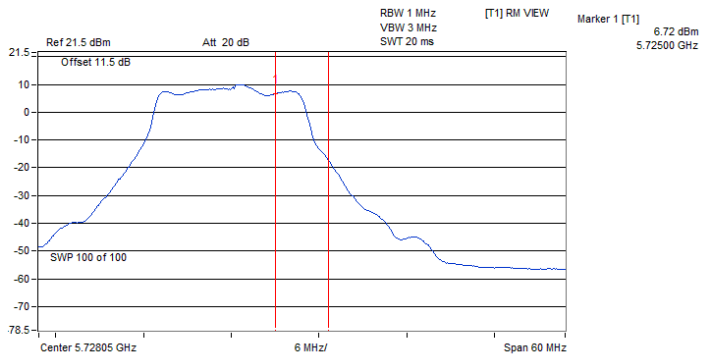
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.09-6)].
4. For U-NII-3, the directional gain is 6.12 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.12-6) = 29.88 dBm.

Spectrum Plot for channel straddling



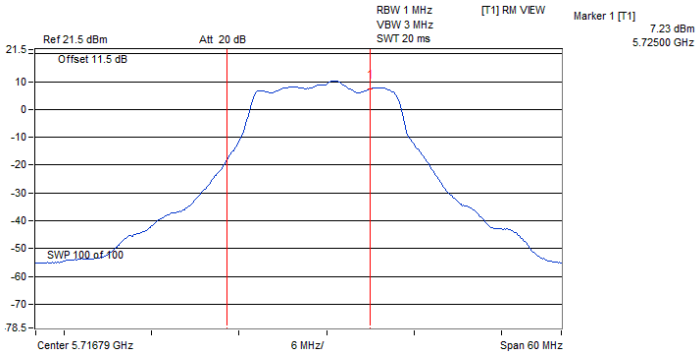
TX Channel Bandwidth 16.16 MHz Power 18.78 dBm

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



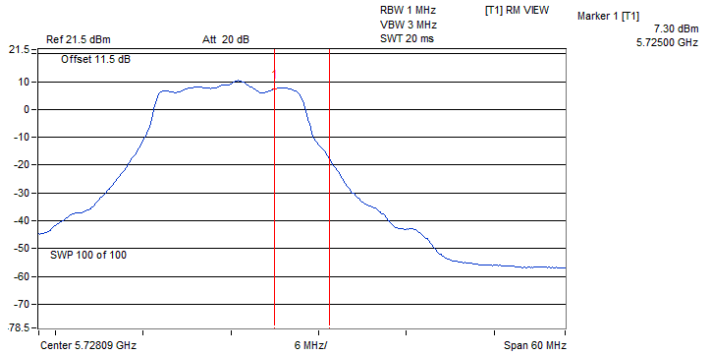
TX Channel Bandwidth 6.1 MHz Power 12.04 dBm

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



TX Channel Bandwidth 16.42 MHz Power 18.87 dBm

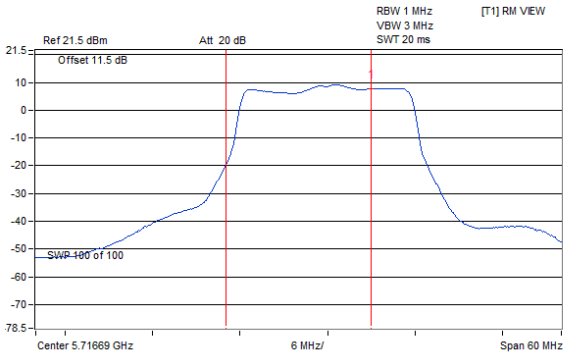
802.11a / Chain 1 : CH 144 (U-NII-2C)



TX Channel Bandwidth 6.17 MHz Power 12.02 dBm

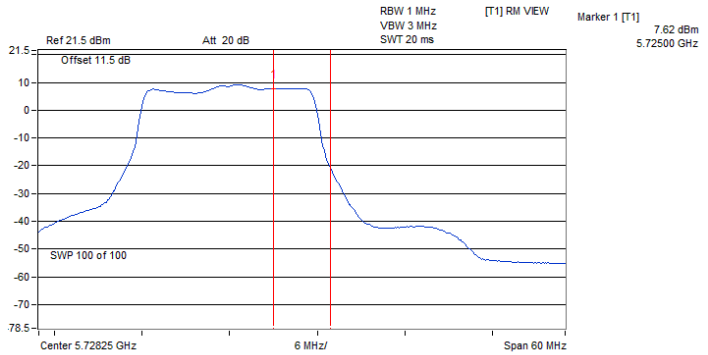
802.11a / Chain 1 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



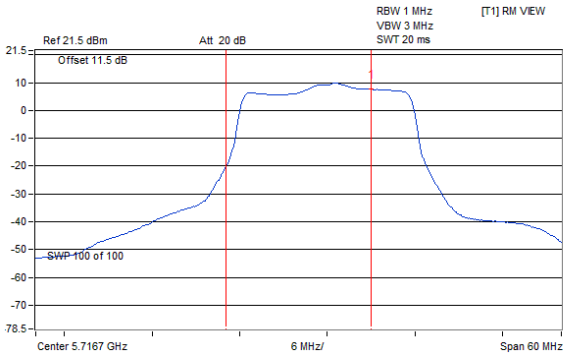
TX Channel Bandwidth 16.61 MHz Power 18.95 dBm

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



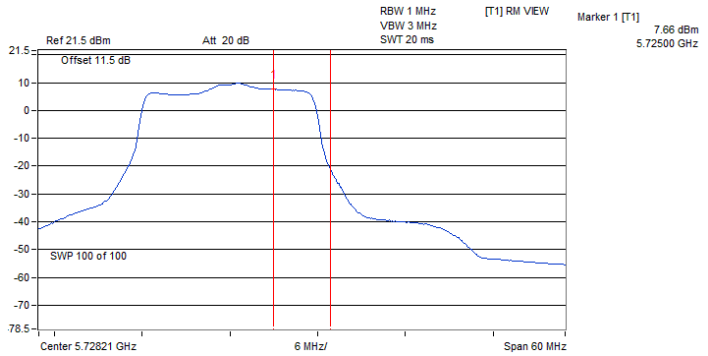
TX Channel Bandwidth 6.49 MHz Power 14 dBm

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



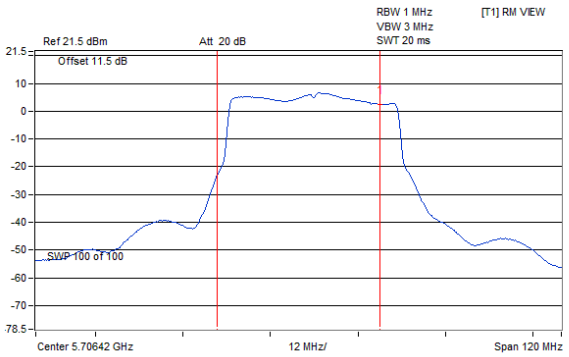
TX Channel Bandwidth 16.6 MHz Power 18.97 dBm

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



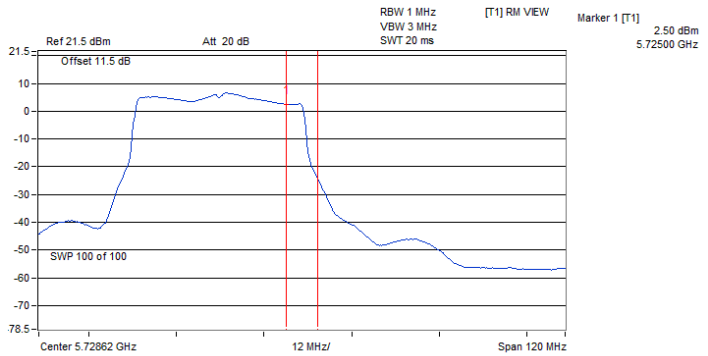
TX Channel Bandwidth 6.43 MHz Power 13.46 dBm

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



TX Channel Bandwidth 37.16 MHz Power 19.79 dBm

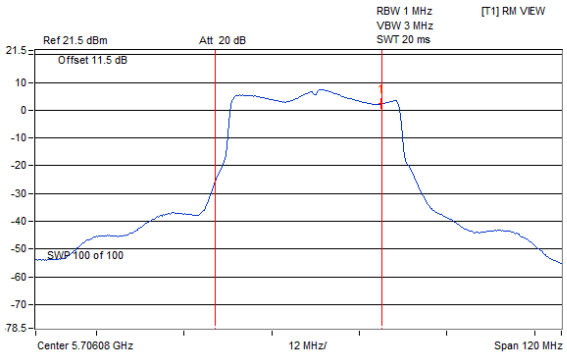
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



TX Channel Bandwidth 7.24 MHz Power 8.37 dBm

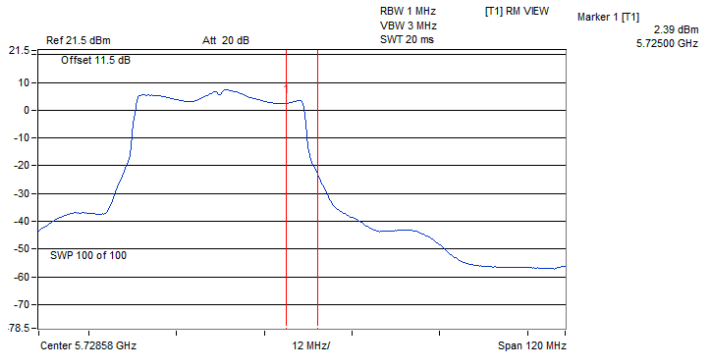
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



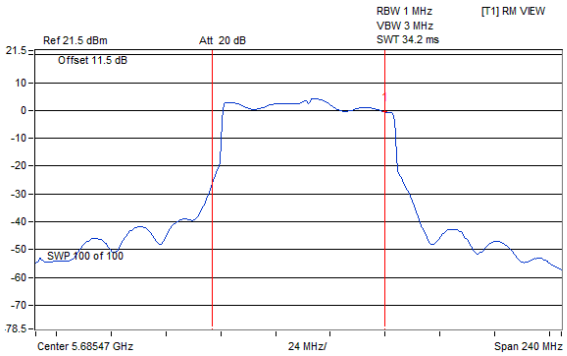
TX Channel Bandwidth 37.83 MHz Power 19.85 dBm

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



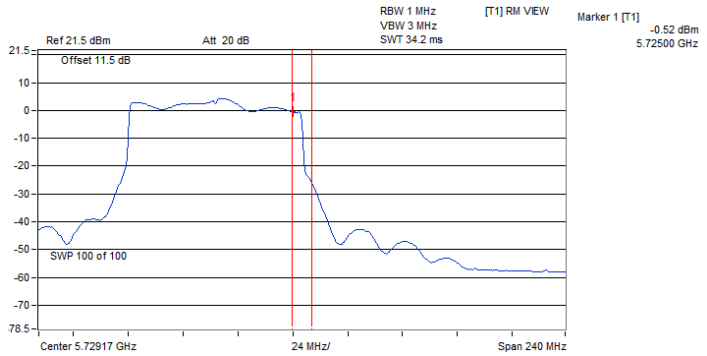
TX Channel Bandwidth 7.17 MHz Power 8.99 dBm

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



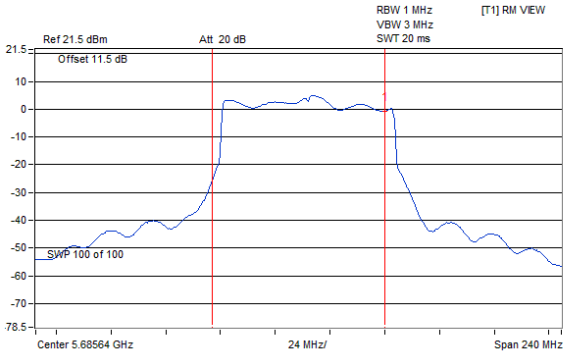
TX Channel Bandwidth 79.06 MHz Power 20.28 dBm

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



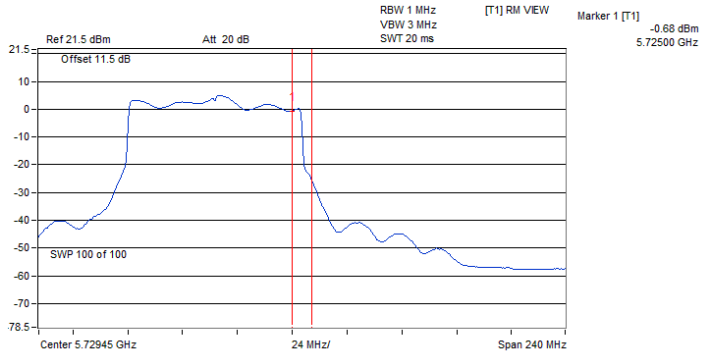
TX Channel Bandwidth 8.35 MHz Power 5.24 dBm

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



TX Channel Bandwidth 78.72 MHz Power 20.46 dBm

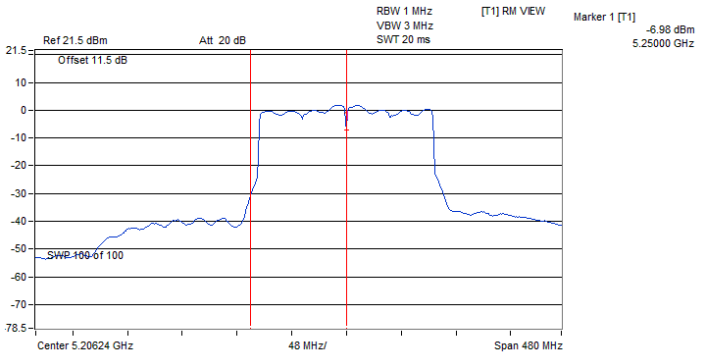
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



TX Channel Bandwidth 8.89 MHz Power 5.81 dBm

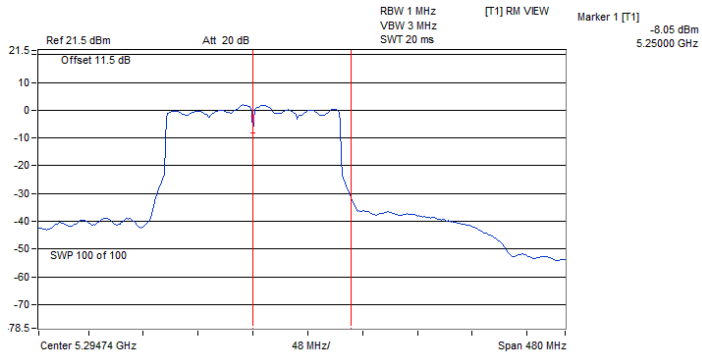
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



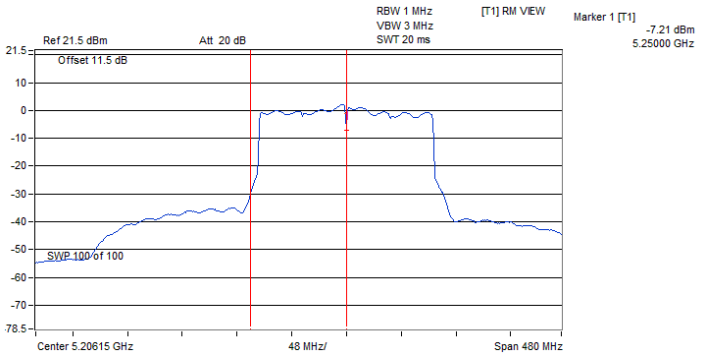
TX Channel Bandwidth 87.53 MHz Power 18.33 dBm

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



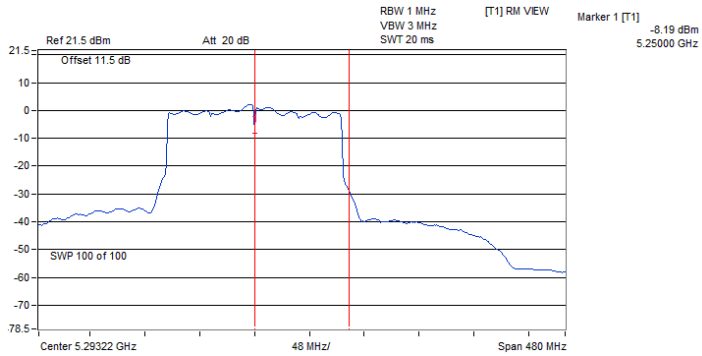
TX Channel Bandwidth 89.47 MHz Power 18.43 dBm

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



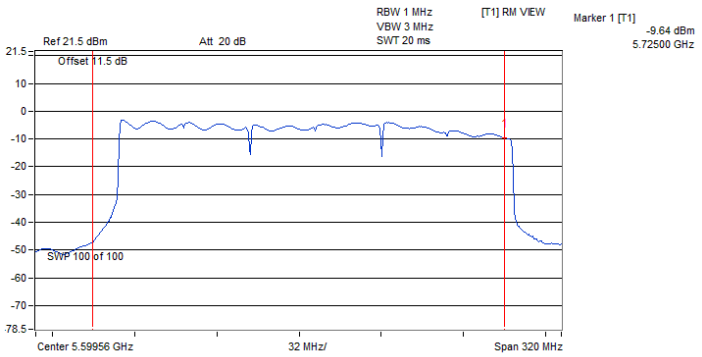
TX Channel Bandwidth 87.7 MHz Power 18.35 dBm

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



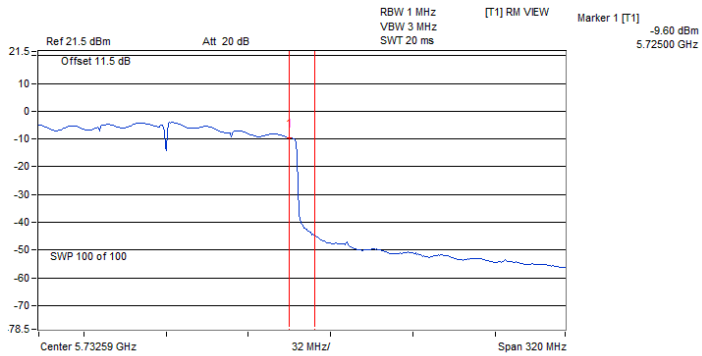
TX Channel Bandwidth 86.45 MHz Power 17.83 dBm

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



TX Channel Bandwidth 250.88 MHz Power 17.6 dBm

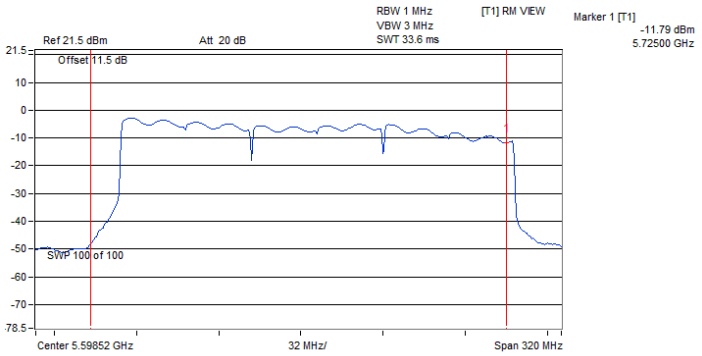
802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-2C)



TX Channel Bandwidth 15.18 MHz Power -3.94 dBm

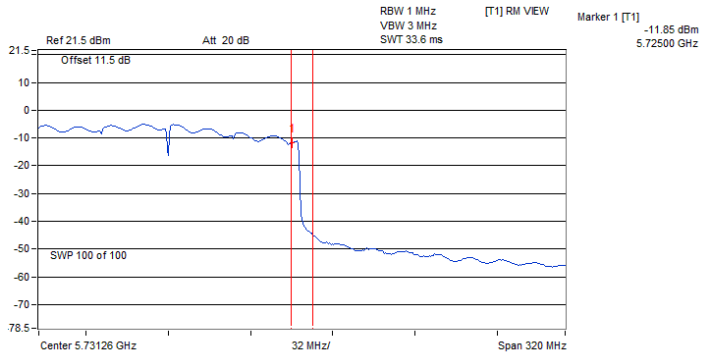
802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-3)

Spectrum Plot for channel straddling



TX Channel Bandwidth 252.96 MHz Power 17.06 dBm

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



TX Channel Bandwidth 12.53 MHz Power -5.52 dBm

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

7.3 Power Spectral Density

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

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	11.50	12.07	14.80	16.98	Pass
40	5200	12.93	13.21	16.08	16.98	Pass
48	5240	12.70	12.77	15.75	16.98	Pass
52	5260	6.29	6.18	9.25	10.94	Pass
60	5300	7.13	6.92	10.04	10.94	Pass
64	5320	6.44	6.34	9.40	10.94	Pass
100	5500	5.99	5.80	8.91	10.91	Pass
116	5580	6.44	6.71	9.59	10.91	Pass
140	5700	6.74	6.77	9.77	10.91	Pass
144 (U-NII-2C)	5720	6.65	6.76	9.72	10.91	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.02-6) = 16.98 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.06-6) = 10.94 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.09-6) = 10.91 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			
36	5180	12.25	12.53	15.40	16.98	Pass
40	5200	12.79	13.20	16.01	16.98	Pass
48	5240	13.31	13.04	16.19	16.98	Pass
52	5260	7.23	7.07	10.16	10.94	Pass
60	5300	7.20	7.12	10.17	10.94	Pass
64	5320	7.20	7.16	10.19	10.94	Pass
100	5500	7.25	7.07	10.17	10.91	Pass
116	5580	7.18	7.25	10.23	10.91	Pass
140	5700	7.12	7.41	10.28	10.91	Pass
144 (U-NII-2C)	5720	7.15	7.28	10.23	10.91	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.02-6) = 16.98 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.06-6) = 10.94 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.09-6) = 10.91 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			
38	5190	4.06	4.32	7.20	16.98	Pass
46	5230	10.19	10.16	13.19	16.98	Pass
54	5270	4.18	4.10	7.15	10.94	Pass
62	5310	4.63	4.47	7.56	10.94	Pass
102	5510	4.83	4.60	7.73	10.91	Pass
110	5550	4.22	4.19	7.22	10.91	Pass
134	5670	4.14	4.30	7.23	10.91	Pass
142 (U-NII-2C)	5710	4.15	4.29	7.23	10.91	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.02-6) = 16.98 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.06-6) = 10.94 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.09-6) = 10.91 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			
42	5210	2.26	2.32	5.30	16.98	Pass
58	5290	1.67	1.15	4.43	10.94	Pass
106	5530	1.66	1.43	4.56	10.91	Pass
122	5610	1.39	1.55	4.48	10.91	Pass
138 (U-NII-2C)	5690	1.69	1.96	4.84	10.91	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.02-6) = 16.98 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.06-6) = 10.94 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.09-6) = 10.91 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			
50 (U-NII-1)	5250	-0.62	-0.35	2.53	16.98	Pass
50 (U-NII-2A)	5250	-0.60	-1.44	2.01	10.94	Pass
114	5570	-2.03	-2.34	0.83	10.91	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.02 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.02-6) = 16.98 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.06 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.06-6) = 10.94 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.09 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.09-6) = 10.91 dBm/MHz.

802.11be (EHT240)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
114+138 (U-NII-2C)	5610	-5.42	-5.90	-2.64	10.91	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-2C, the directional gain is 6.09 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.09-6) = 10.91 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				
144 (U-NII-3)	5720	2.71	2.17	5.46	7.68	29.88	Pass
149	5745	11.22	11.44	14.34	16.56	29.88	Pass
157	5785	11.27	11.41	14.35	16.57	29.88	Pass
165	5825	11.07	11.20	14.15	16.37	29.88	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 6.12 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.12-6) = 29.88 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				
144 (U-NII-3)	5720	2.87	2.21	5.56	7.78	29.88	Pass
149	5745	10.24	10.56	13.41	15.63	29.88	Pass
157	5785	10.53	10.70	13.63	15.85	29.88	Pass
165	5825	9.85	10.40	13.14	15.36	29.88	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 6.12 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.12-6) = 29.88 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				
142 (U-NII-3)	5710	-1.88	-1.52	1.31	3.53	29.88	Pass
151	5755	7.91	8.19	11.06	13.28	29.88	Pass
159	5795	7.91	8.12	11.03	13.25	29.88	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 6.12 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.12-6) = 29.88 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				
138 (U-NII-3)	5690	-5.29	-4.61	-1.93	0.29	29.88	Pass
155	5775	5.32	5.20	8.27	10.49	29.88	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 6.12 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.12-6) = 29.88 dBm/500kHz.

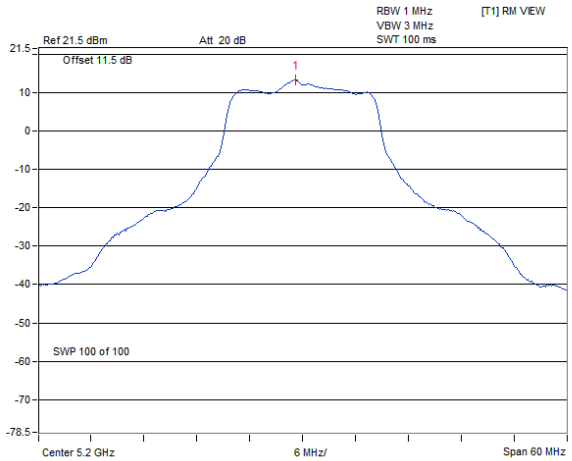
802.11be (EHT240)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
114+138 (U-NII-3)	5610	-16.56	-17.63	-14.05	-11.83	29.88	Pass

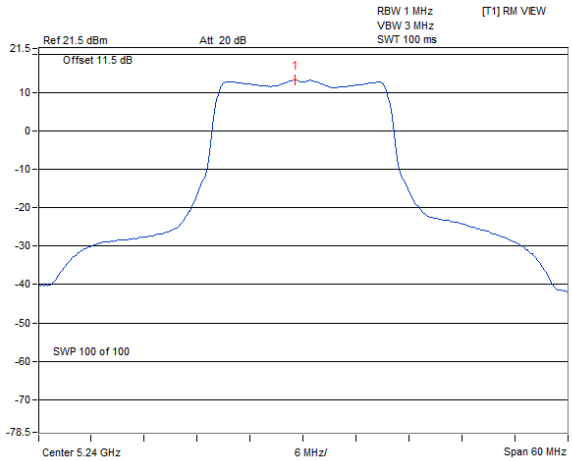
Notes:

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 6.12 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.12-6) = 29.88 dBm/500kHz.

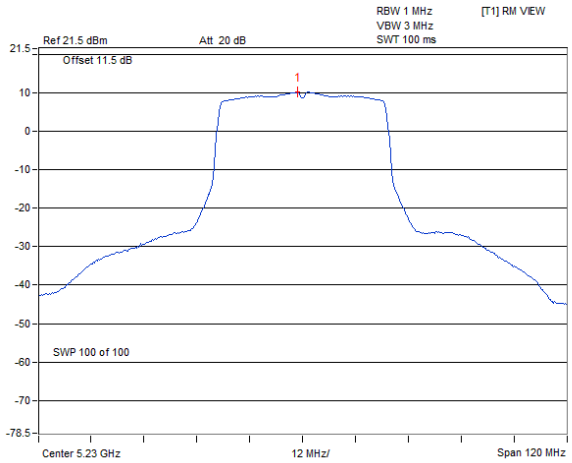
Spectrum Plot of Maximum Value



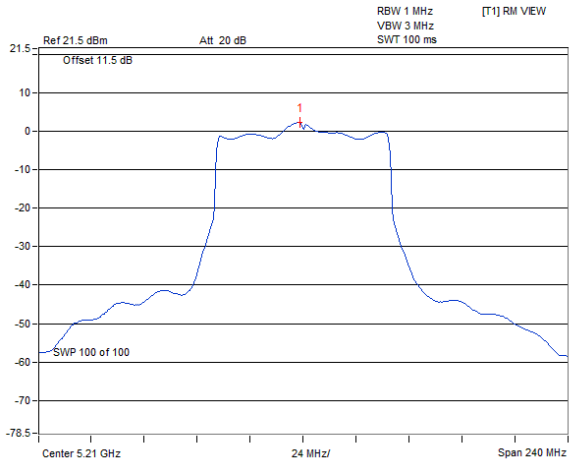
802.11a / Chain 1 : CH 40



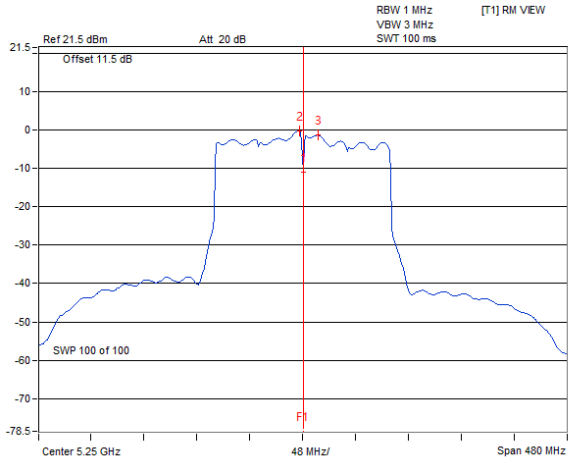
802.11be (EHT20) / Chain 0 : CH 48



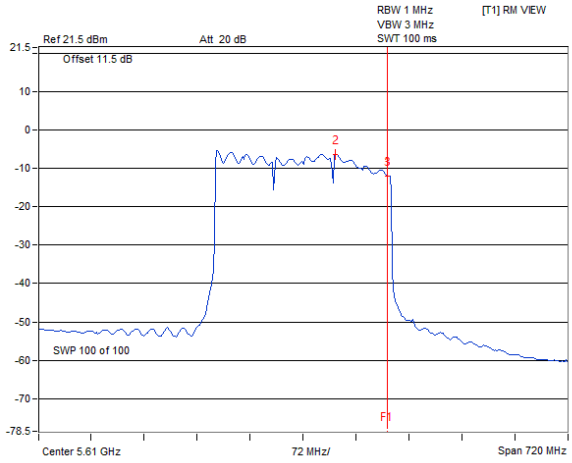
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT80) / Chain 1 : CH 42

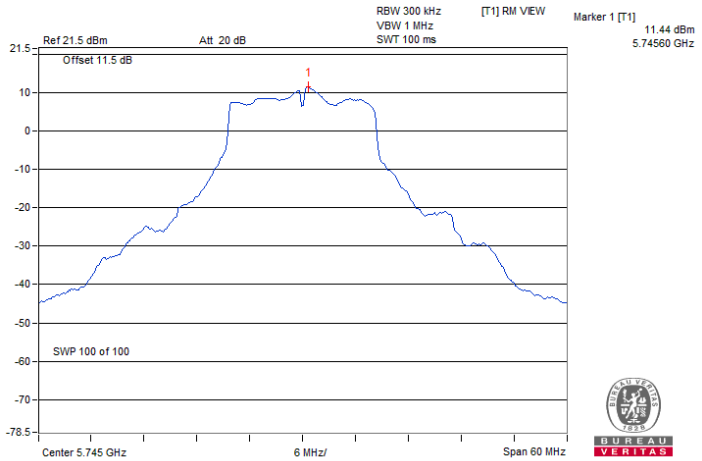


802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)

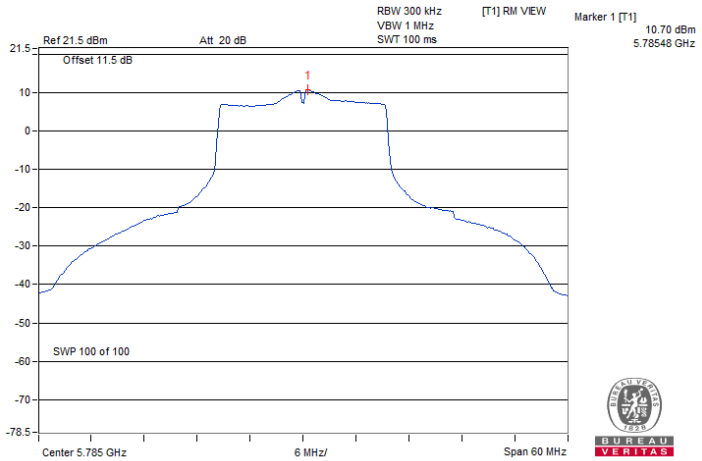


802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-2C)

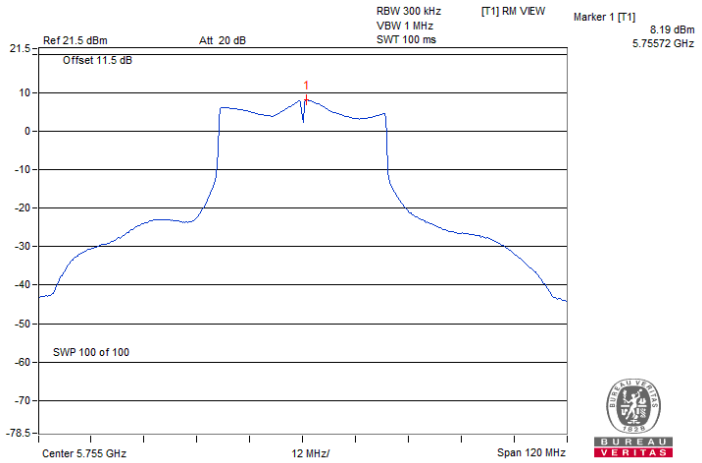
Spectrum Plot of Maximum Value



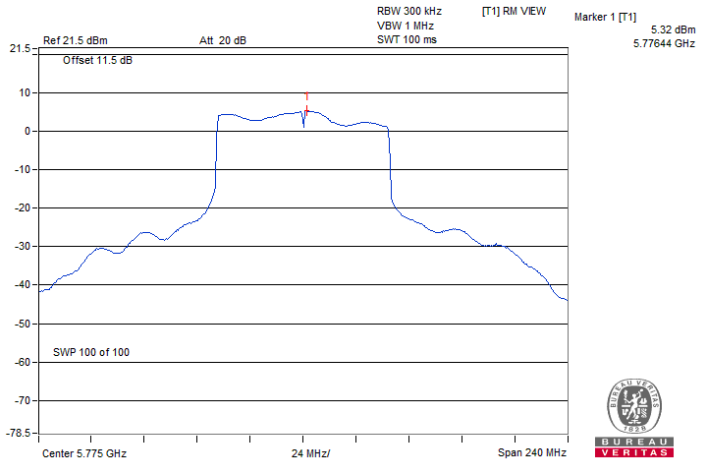
802.11a / Chain 1 : CH 149



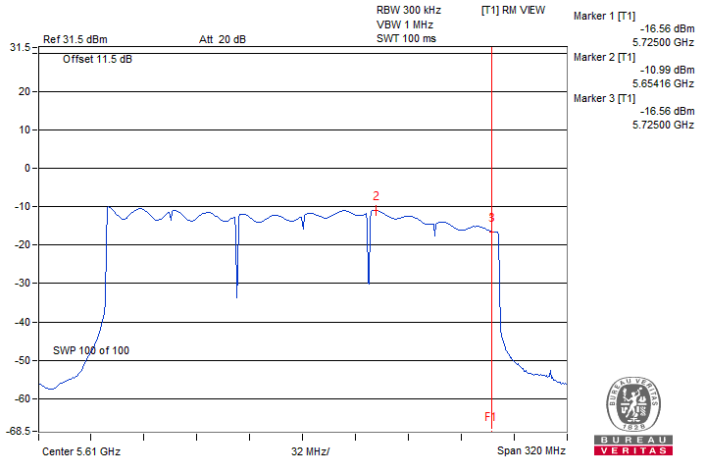
802.11be (EHT20) / Chain 1 : CH 157



802.11be (EHT40) / Chain 1 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-3)

7.4 6 dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.53	2.53	0.5	Pass
149	5745	15.77	15.20	0.5	Pass
157	5785	15.59	15.20	0.5	Pass
165	5825	16.31	15.38	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.48	3.70	0.5	Pass
149	5745	18.91	17.14	0.5	Pass
157	5785	18.83	18.48	0.5	Pass
165	5825	18.90	18.79	0.5	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.52	3.90	0.5	Pass
151	5755	36.88	38.13	0.5	Pass
159	5795	38.16	38.28	0.5	Pass

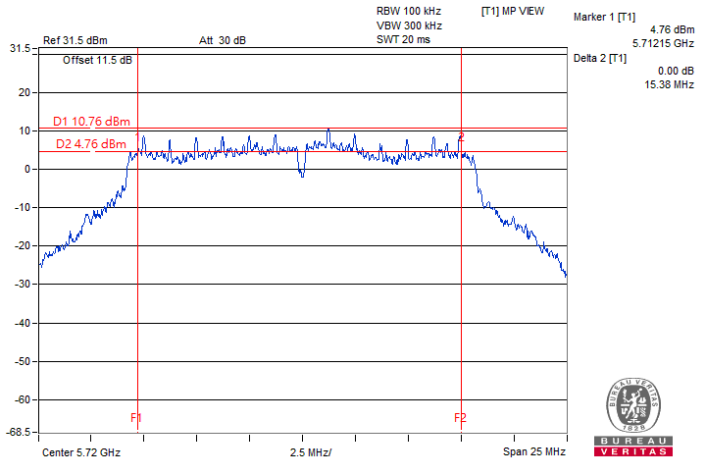
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	1.34	2.70	0.5	Pass
155	5775	76.92	76.32	0.5	Pass

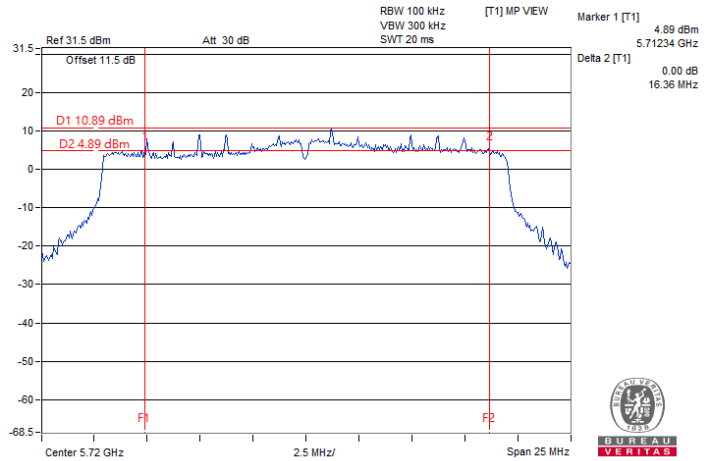
802.11be (EHT240)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
114+138 (U-NII-3)	5610	2.85	1.26	0.5	Pass

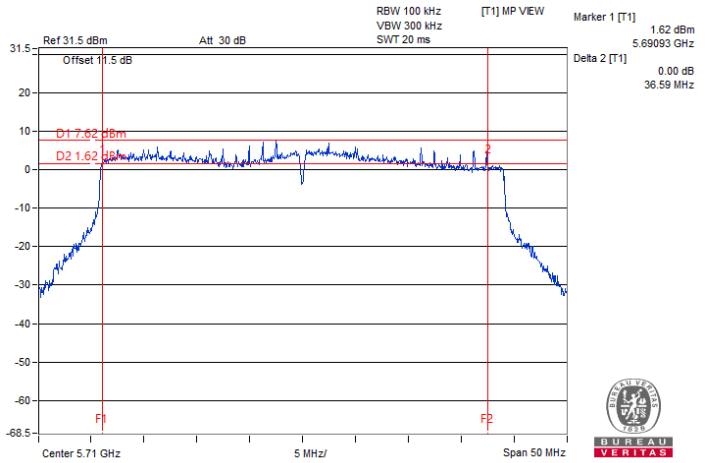
Spectrum Plot of Minimum Value



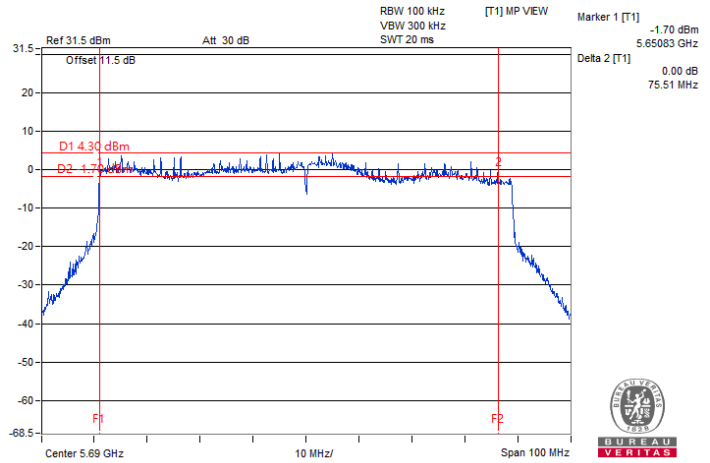
802.11a / Chain 0 : CH 144 (U-NII-3)



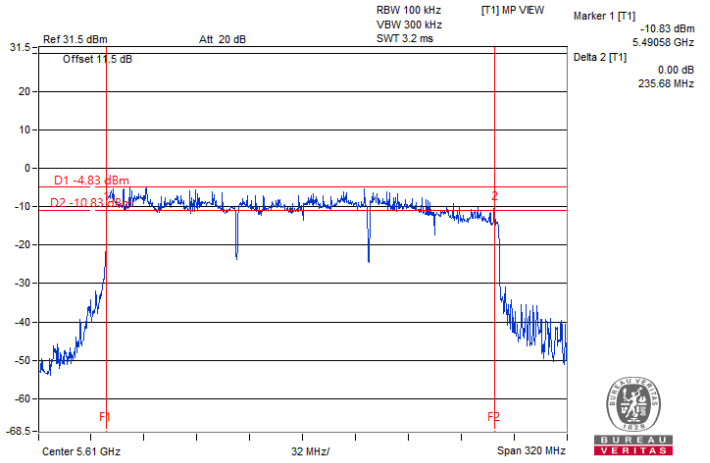
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



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



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



802.11be (EHT240) / Chain 1 : CH 114+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:	Ivan Tseng

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.10	17.10
40	5200	17.82	18.30
48	5240	17.40	17.76
52	5260	16.98	16.92
60	5300	17.04	17.04
64	5320	17.04	17.04
100	5500	17.10	17.04
116	5580	17.10	17.04
140	5700	17.04	16.92
144 (U-NII-2C)	5720	13.76	13.76
144 (U-NII-3)	5720	3.28	3.28
149	5745	17.16	17.16
157	5785	17.52	17.40
165	5825	17.40	17.40

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.32	19.20
40	5200	19.44	19.44
48	5240	19.44	19.68
52	5260	19.20	19.20
60	5300	19.20	19.20
64	5320	19.20	19.20
100	5500	19.08	19.20
116	5580	19.08	19.20
140	5700	19.20	19.20
144 (U-NII-2C)	5720	14.72	14.72
144 (U-NII-3)	5720	4.48	4.48
149	5745	19.32	19.20
157	5785	19.32	19.20
165	5825	19.26	19.20

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	38.16	38.40
46	5230	38.76	39.12
54	5270	38.16	38.40
62	5310	38.28	38.40
102	5510	38.40	38.16
110	5550	38.52	38.16
134	5670	38.40	38.64
142 (U-NII-2C)	5710	34.44	34.44
142 (U-NII-3)	5710	3.72	3.96
151	5755	38.64	38.64
159	5795	38.64	38.88

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.76	77.76
58	5290	77.52	77.76
106	5530	77.76	77.76
122	5610	78.00	77.76
138 (U-NII-2C)	5690	74.36	74.36
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.76	78.72

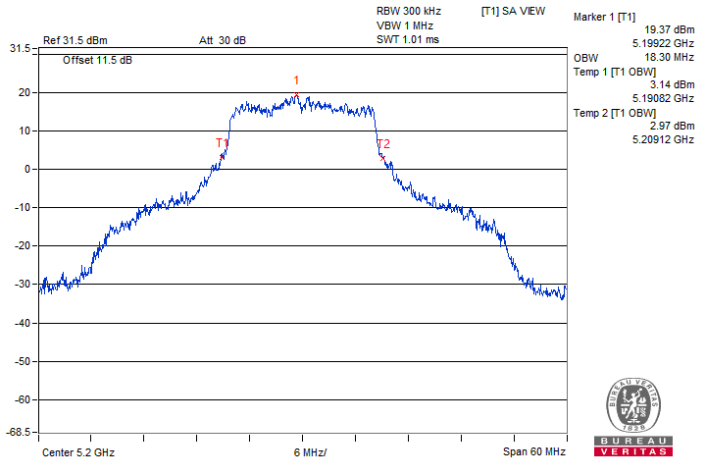
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	79.68	79.68
50 (U-NII-2A)	5250	78.72	77.76
114	5570	158.40	156.48

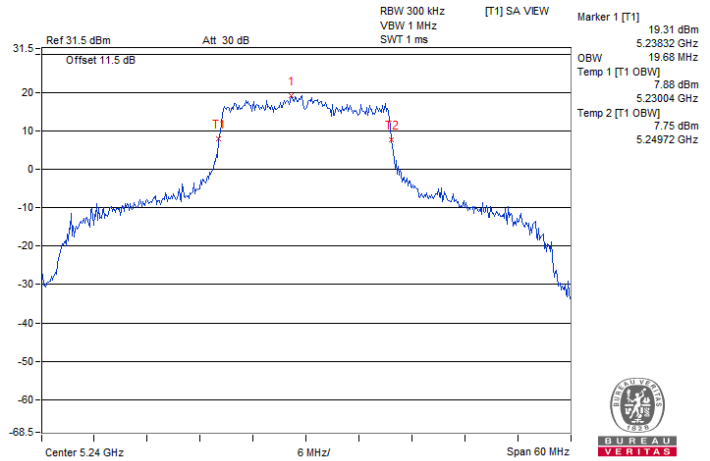
802.11be (EHT240)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
114+138 (U-NII-2C)	5610	234.52	234.52
114+138 (U-NII-3)	5610	0.20	0.20

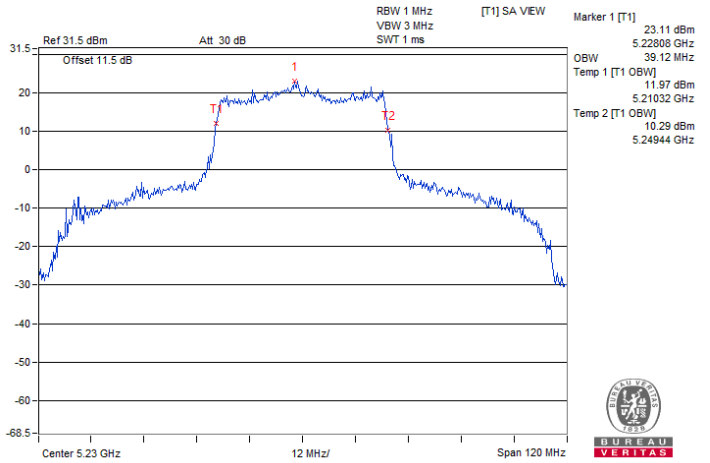
Spectrum Plot of Maximum Value



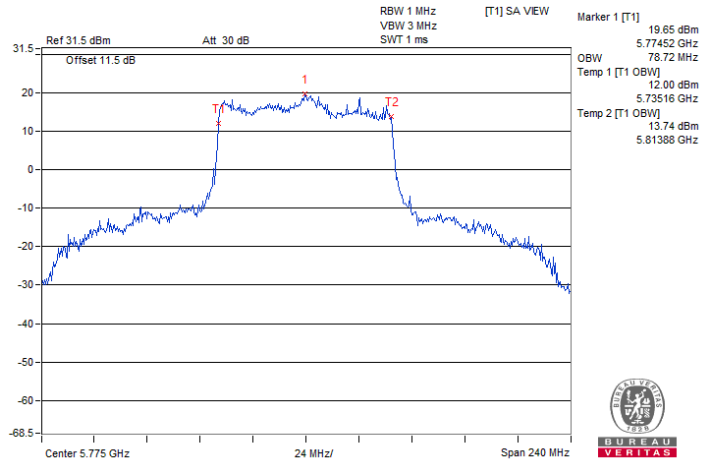
802.11a / Chain 1 : CH 40



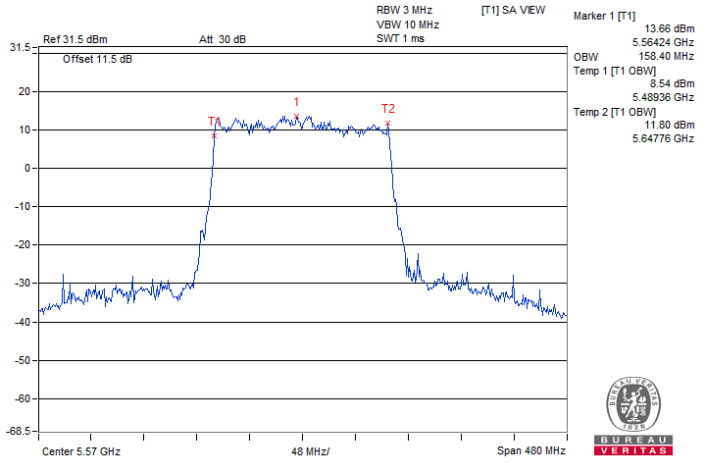
802.11be (EHT20) / Chain 1 : CH 48



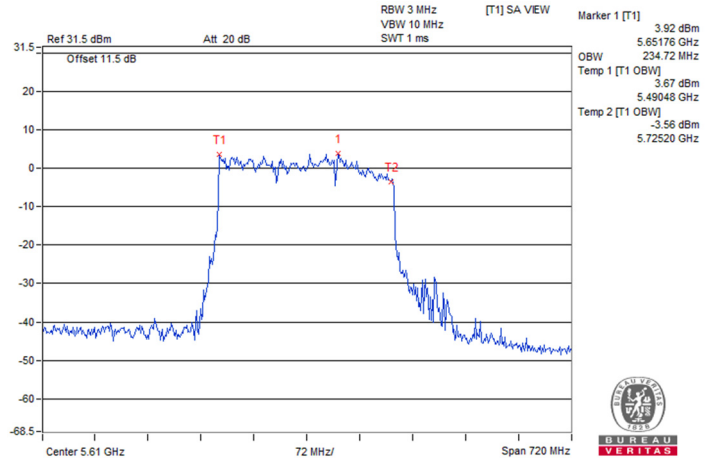
802.11be (EHT40) / Chain 1 : CH 46



802.11be (EHT80) / Chain 1 : CH 155

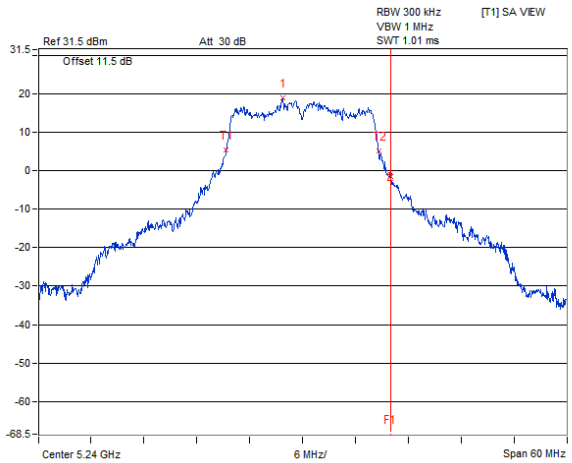


802.11be (EHT160) / Chain 0 : CH 114

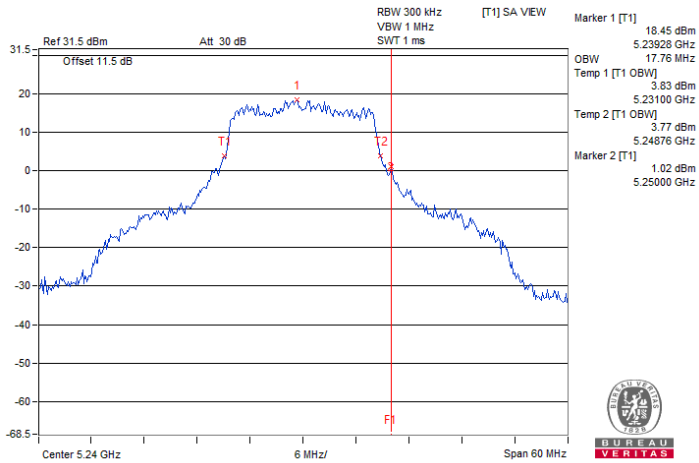


802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-2C)

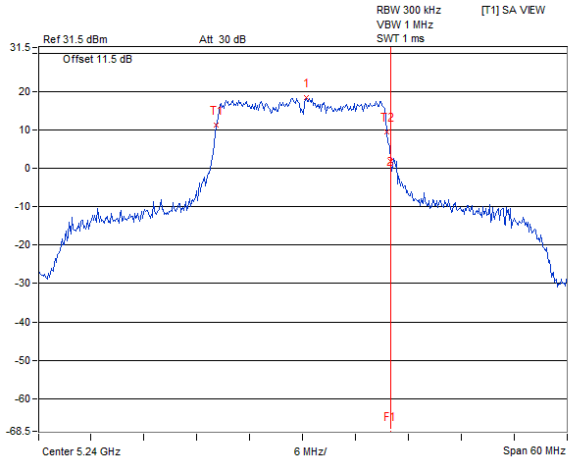
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



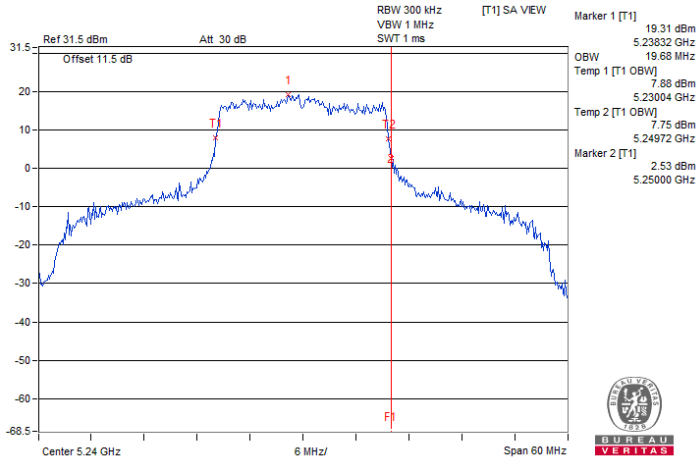
802.11a / Chain 0 : CH 48



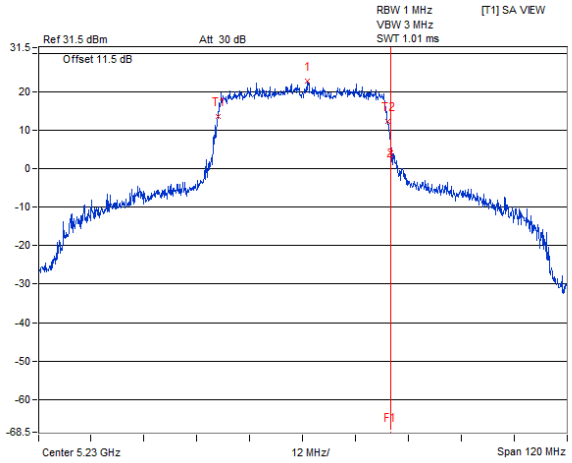
802.11a / Chain 1 : CH 48



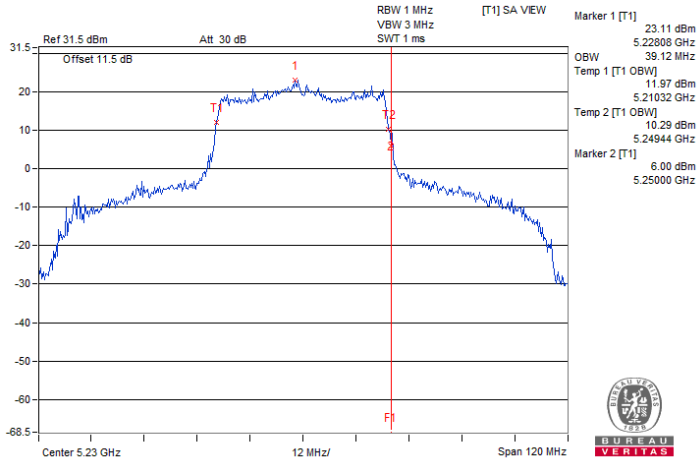
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT20) / Chain 1 : CH 48



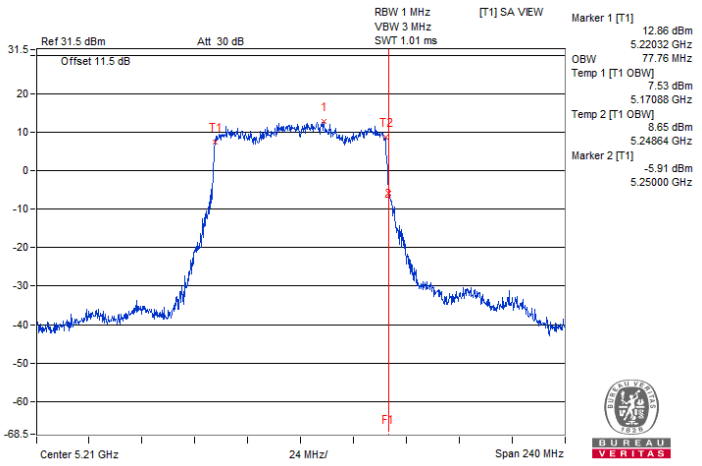
802.11be (EHT40) / Chain 0 : CH 46



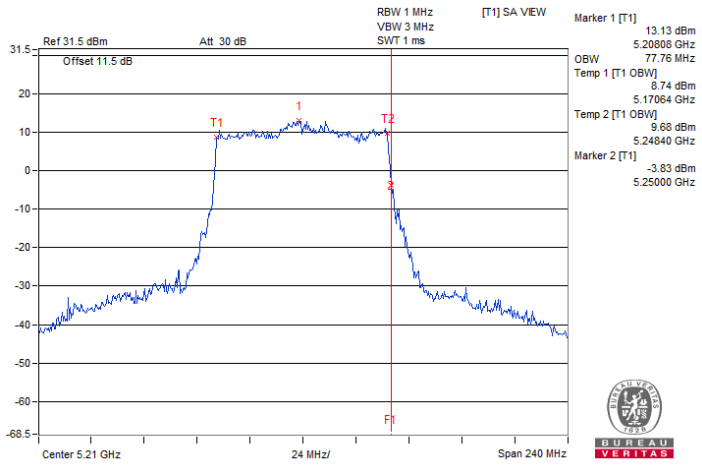
802.11be (EHT40) / Chain 1 : CH 46

Spectrum Plot for nearby DFS band

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

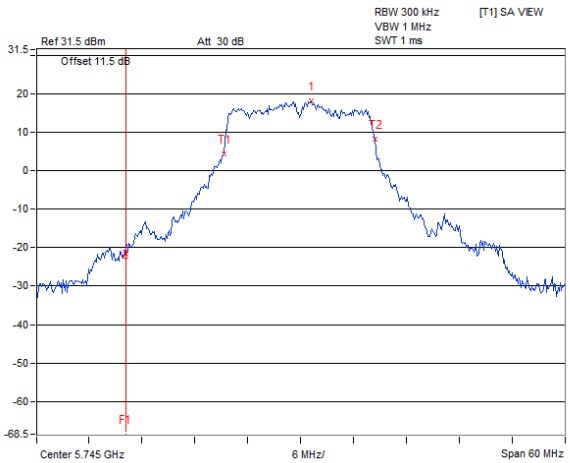


802.11be (EHT80) / Chain 0 : CH 42

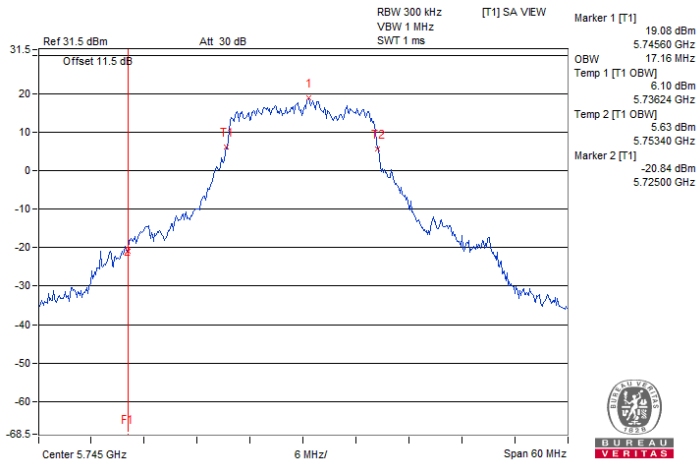


802.11be (EHT80) / Chain 1 : CH 42

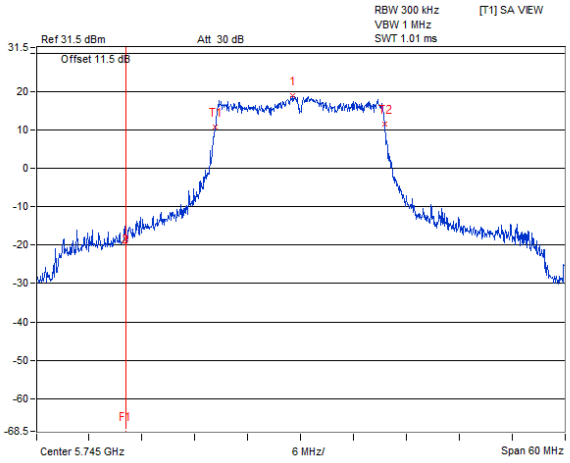
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



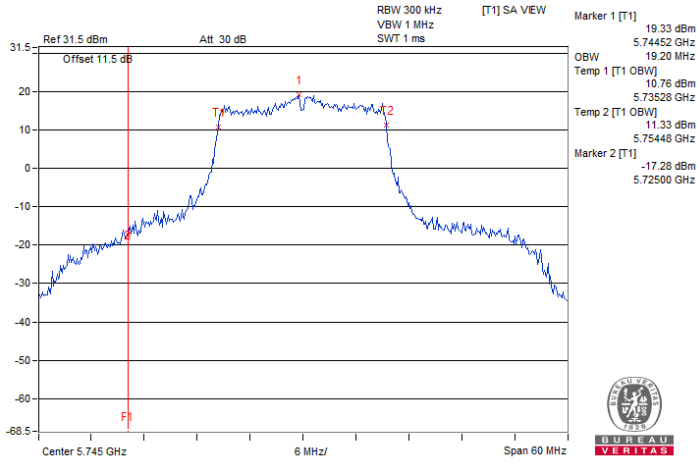
802.11a / Chain 0 : CH 149



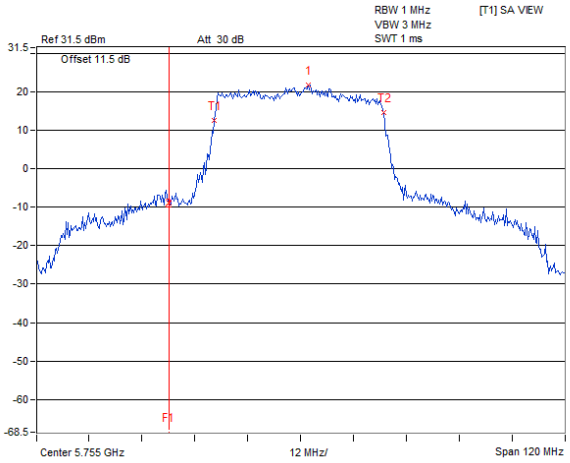
802.11a / Chain 1 : CH 149



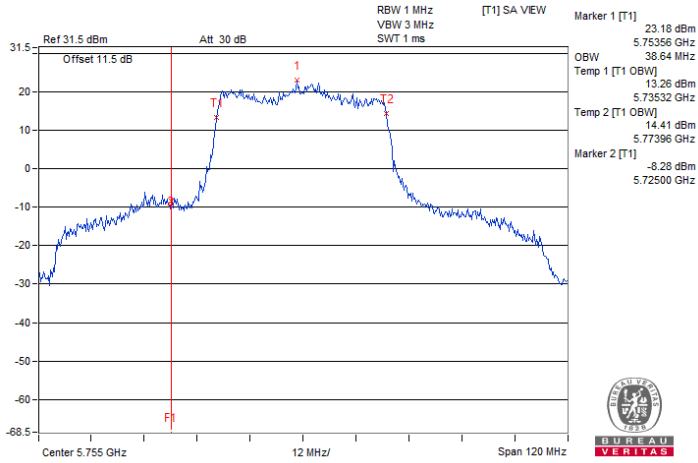
802.11be (EHT20) / Chain 0 : CH 149



802.11be (EHT20) / Chain 1 : CH 149



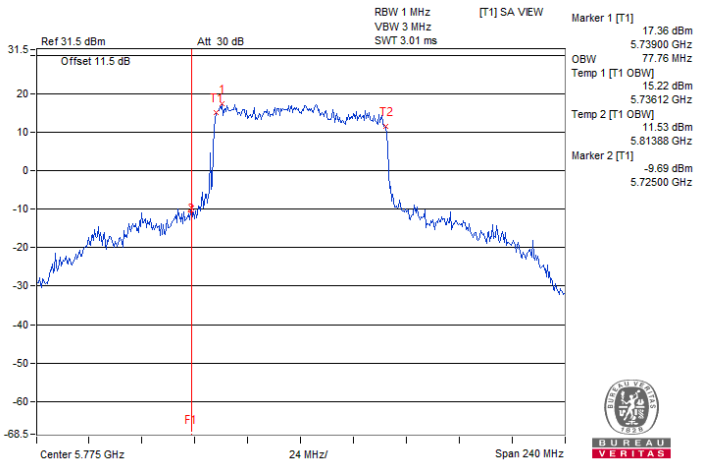
802.11be (EHT40) / Chain 0 : CH 151



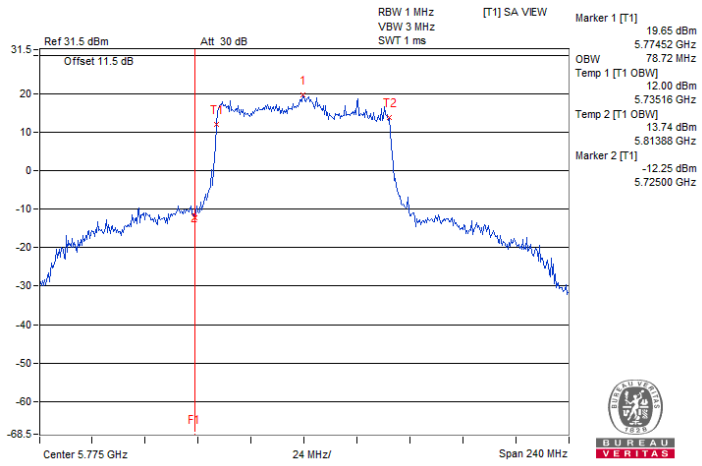
802.11be (EHT40) / Chain 1 : CH 151

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

7.6 AC Power Conducted Emissions

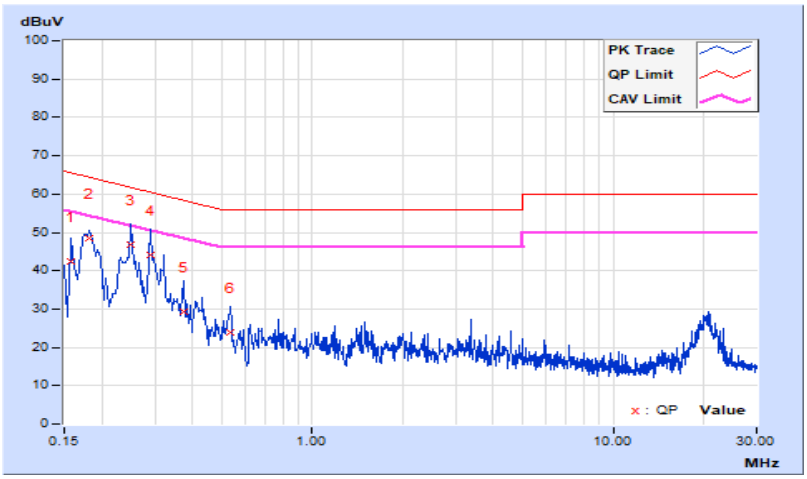
Test Mode A

RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 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	0.15800	9.69	32.69	18.97	42.38	28.66	65.57	55.57	-23.19	-26.91
2	**0.18180**	**9.68**	**38.73**	**32.12**	**48.41**	**41.80**	**64.40**	**54.40**	**-15.99**	**-12.60**
3	0.25000	9.69	37.14	25.44	46.83	35.13	61.76	51.76	-14.93	-16.63
4	0.28982	9.69	34.33	23.08	44.02	32.77	60.53	50.53	-16.51	-17.76
5	0.37400	9.71	19.71	9.34	29.42	19.05	58.41	48.41	-28.99	-29.36
6	0.53400	9.73	14.06	5.44	23.79	15.17	56.00	46.00	-32.21	-30.83

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

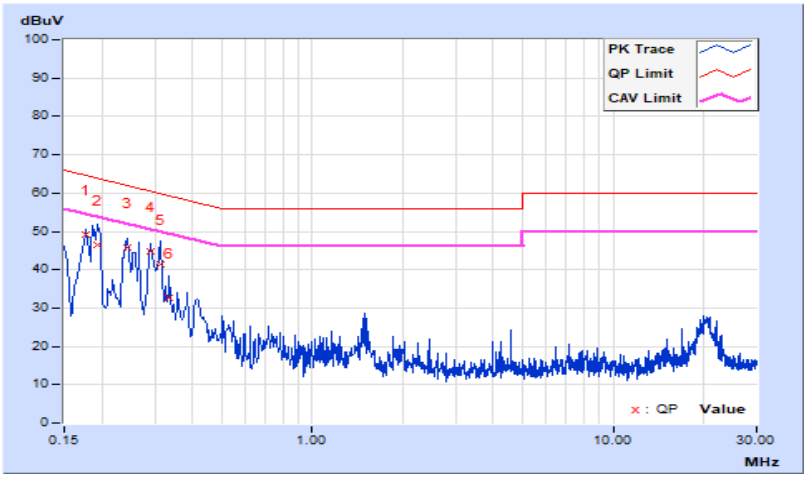


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 70 % RH
Tested By	Luis Lee		

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	0.17800	9.67	39.63	32.18	49.30	41.85	64.58	54.58	-15.28	-12.73
2	0.19400	9.67	36.93	26.77	46.60	36.44	63.86	53.86	-17.26	-17.42
3	0.24200	9.68	36.02	25.50	45.70	35.18	62.03	52.03	-16.33	-16.85
4	0.29000	9.70	35.21	23.38	44.91	33.08	60.52	50.52	-15.61	-17.44
5	0.31400	9.70	31.87	20.70	41.57	30.40	59.86	49.86	-18.29	-19.46
6	0.33400	9.71	22.90	12.44	32.61	22.15	59.35	49.35	-26.74	-27.20

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



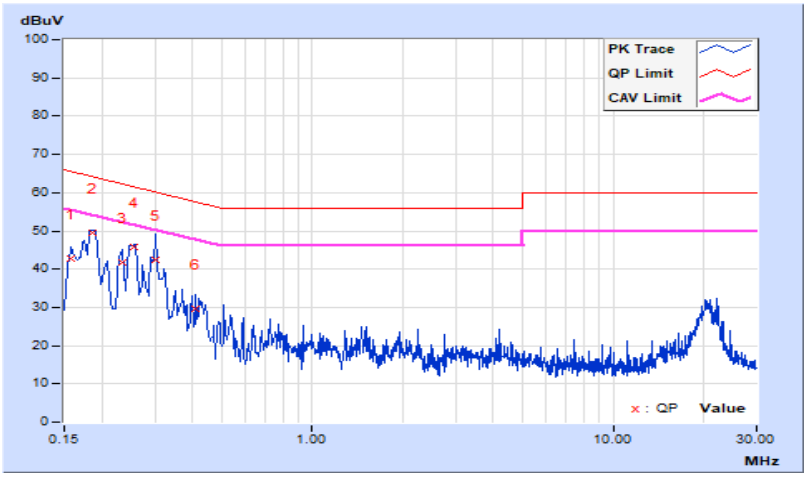
Test Mode B

RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 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	0.15800	9.69	33.01	22.35	42.70	32.04	65.57	55.57	-22.87	-23.53
2	0.18519	9.68	39.66	31.00	49.34	40.68	64.25	54.25	-14.91	-13.57
3	0.23400	9.69	32.01	24.13	41.70	33.82	62.31	52.31	-20.61	-18.49
4	0.25674	9.69	36.00	25.03	45.69	34.72	61.54	51.54	-15.85	-16.82
5	0.30200	9.70	32.84	22.85	42.54	32.55	60.19	50.19	-17.65	-17.64
6	0.41000	9.71	19.77	11.27	29.48	20.98	57.65	47.65	-28.17	-26.67

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

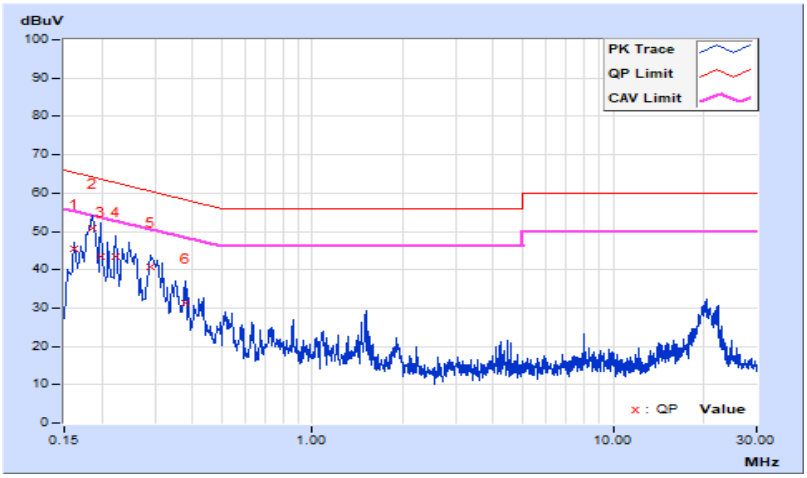


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 70 % RH
Tested By	Luis Lee		

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	0.16200	9.66	35.65	28.57	45.31	38.23	65.36	55.36	-20.05	-17.13
2	0.18600	9.67	41.23	31.44	50.90	41.11	64.21	54.21	-13.31	-13.10
3	0.19800	9.67	33.60	20.77	43.27	30.44	63.69	53.69	-20.42	-23.25
4	0.22200	9.68	33.92	27.47	43.60	37.15	62.74	52.74	-19.14	-15.59
5	0.29000	9.70	31.18	22.41	40.88	32.11	60.52	50.52	-19.64	-18.41
6	0.37800	9.72	21.62	9.69	31.34	19.41	58.32	48.32	-26.98	-28.91

Remarks:

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



7.7 Unwanted Emissions below 1 GHz

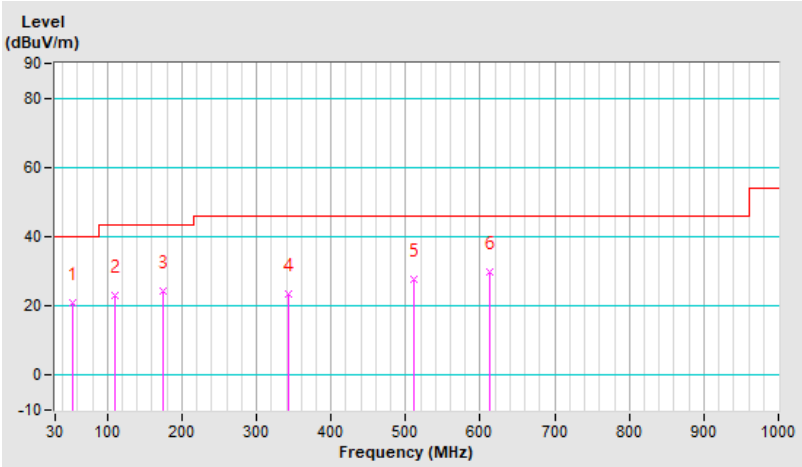
Test Mode A

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69 % 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	54.25	21.1 QP	40.0	-18.9	1.50 H	66	30.2	-9.1
2	110.51	23.1 QP	43.5	-20.4	1.50 H	113	35.0	-11.9
3	175.50	24.5 QP	43.5	-19.0	1.01 H	262	33.9	-9.4
4	342.34	23.5 QP	46.0	-22.5	1.01 H	16	30.1	-6.6
5	510.15	27.7 QP	46.0	-18.3	1.50 H	14	31.1	-3.4
6	612.97	29.9 QP	46.0	-16.1	1.01 H	34	30.7	-0.8

Remarks:

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

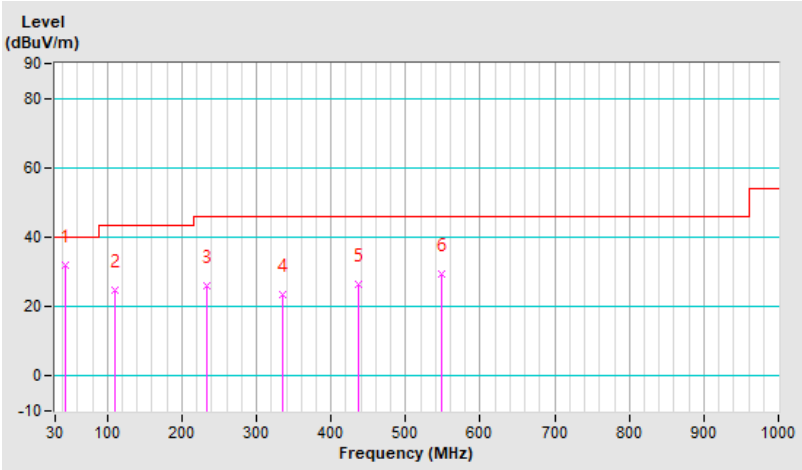


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69 % RH
Tested By	Luis Lee		

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	**44.55**	**31.8 QP**	**40.0**	**-8.2**	**1.00 V**	**6**	**40.9**	**-9.1**
2	110.51	24.9 QP	43.5	-18.6	1.00 V	250	36.8	-11.9
3	233.70	25.9 QP	46.0	-20.1	1.49 V	16	36.4	-10.5
4	334.58	23.4 QP	46.0	-22.6	1.49 V	59	29.9	-6.5
5	437.40	26.5 QP	46.0	-19.5	1.49 V	254	31.1	-4.6
6	548.95	29.6 QP	46.0	-16.4	1.00 V	96	32.4	-2.8

Remarks:

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



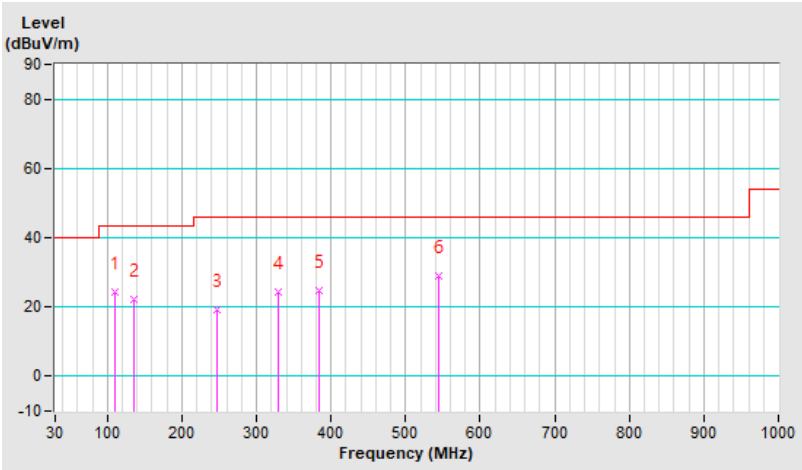
Test Mode B

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69 % 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	110.51	24.3 QP	43.5	-19.2	1.49 H	279	36.2	-11.9
2	134.76	22.1 QP	43.5	-21.4	1.49 H	80	31.7	-9.6
3	247.28	19.3 QP	46.0	-26.7	1.49 H	107	28.7	-9.4
4	329.73	24.5 QP	46.0	-21.5	1.49 H	16	31.1	-6.6
5	384.05	24.9 QP	46.0	-21.1	1.00 H	246	30.6	-5.7
6	545.07	29.1 QP	46.0	-16.9	1.49 H	343	31.9	-2.8

Remarks:

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

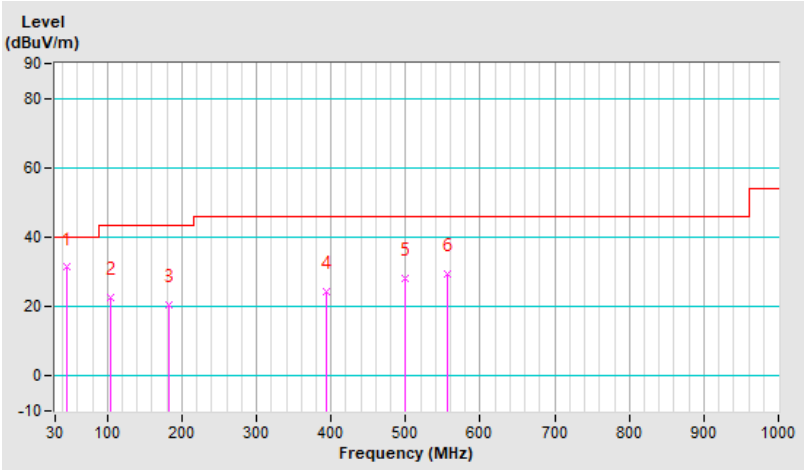


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69 % RH
Tested By	Luis Lee		

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	46.49	31.3 QP	40.0	-8.7	1.01 V	314	40.3	-9.0
2	103.72	22.7 QP	43.5	-20.8	1.01 V	274	35.4	-12.7
3	183.26	20.6 QP	43.5	-22.9	1.01 V	75	30.7	-10.1
4	394.72	24.4 QP	46.0	-21.6	1.01 V	3	30.0	-5.6
5	498.51	28.1 QP	46.0	-17.9	1.01 V	16	31.7	-3.6
6	556.71	29.3 QP	46.0	-16.7	1.01 V	164	31.9	-2.6

Remarks:

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



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	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	64.4 PK	74.0	-9.6	1.83 H	74	51.3	13.1
2	5150.00	50.3 AV	54.0	-3.7	1.83 H	74	37.2	13.1
3	*5180.00	115.5 PK			1.83 H	74	72.1	43.4
4	*5180.00	106.4 AV			1.83 H	74	63.0	43.4
5	#10360.00	57.4 PK	68.2	-10.8	3.22 H	195	35.6	21.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5148.60	70.3 PK	74.0	-3.7	1.53 V	338	57.2	13.1
2	**5148.60**	**53.9 AV**	**54.0**	**-0.1**	**1.53 V**	**338**	**40.8**	**13.1**
3	*5180.00	122.6 PK			1.53 V	338	79.2	43.4
4	*5180.00	113.1 AV			1.53 V	338	69.7	43.4
5	#10360.00	57.6 PK	68.2	-10.6	2.31 V	144	35.8	21.8

Remarks:

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

RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5200.00	116.2 PK			2.00 H	65	72.8	43.4
2	*5200.00	107.2 AV			2.00 H	65	63.8	43.4
3	#10400.00	57.7 PK	68.2	-10.5	3.11 H	189	35.8	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5200.00	125.9 PK			1.50 V	339	82.5	43.4
2	*5200.00	115.8 AV			1.50 V	339	72.4	43.4
3	#10400.00	58.0 PK	68.2	-10.2	2.24 V	141	36.1	21.9

Remarks:

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

RF Mode	802.11a	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5240.00	116.7 PK			1.85 H	70	73.5	43.2
2	*5240.00	107.5 AV			1.85 H	70	64.3	43.2
3	5350.00	59.7 PK	74.0	-14.3	1.85 H	70	46.7	13.0
4	5350.00	47.6 AV	54.0	-6.4	1.85 H	70	34.6	13.0
5	#10480.00	57.8 PK	68.2	-10.4	3.16 H	192	35.7	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5240.00	124.5 PK			1.50 V	338	81.3	43.2
2	*5240.00	115.2 AV			1.50 V	338	72.0	43.2
3	5350.00	59.8 PK	74.0	-14.2	1.50 V	338	46.8	13.0
4	5350.00	47.9 AV	54.0	-6.1	1.50 V	338	34.9	13.0
5	#10480.00	58.1 PK	68.2	-10.1	2.16 V	138	36.0	22.1

Remarks:

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

RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	1.78 H	68	48.0	13.1
2	5150.00	47.6 AV	54.0	-6.4	1.78 H	68	34.5	13.1
3	*5260.00	110.0 PK			1.78 H	68	66.8	43.2
4	*5260.00	100.8 AV			1.78 H	68	57.6	43.2
5	#10520.00	57.7 PK	68.2	-10.5	3.11 H	195	35.6	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.9 PK	74.0	-12.1	1.49 V	334	48.8	13.1
2	5150.00	48.4 AV	54.0	-5.6	1.49 V	334	35.3	13.1
3	*5260.00	119.4 PK			1.49 V	334	76.2	43.2
4	*5260.00	110.1 AV			1.49 V	334	66.9	43.2
5	#10520.00	57.8 PK	68.2	-10.4	2.33 V	152	35.7	22.1

Remarks:

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

RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	110.9 PK			1.80 H	68	67.6	43.3
2	*5300.00	101.7 AV			1.80 H	68	58.4	43.3
3	10600.00	57.8 PK	74.0	-16.2	3.15 H	195	35.6	22.2
4	10600.00	46.8 AV	54.0	-7.2	3.15 H	195	24.6	22.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	119.6 PK			1.56 V	334	76.3	43.3
2	*5300.00	110.1 AV			1.56 V	334	66.8	43.3
3	10600.00	57.9 PK	74.0	-16.1	2.25 V	159	35.7	22.2
4	10600.00	47.0 AV	54.0	-7.0	2.25 V	159	24.8	22.2

Remarks:

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

RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.3 PK			1.84 H	71	65.8	43.5
2	*5320.00	100.2 AV			1.84 H	71	56.7	43.5
3	5350.00	61.0 PK	74.0	-13.0	1.84 H	71	48.0	13.0
4	5350.00	47.6 AV	54.0	-6.4	1.84 H	71	34.6	13.0
5	10640.00	58.0 PK	74.0	-16.0	3.15 H	192	35.6	22.4
6	10640.00	47.0 AV	54.0	-7.0	3.15 H	192	24.6	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	118.4 PK			1.46 V	333	74.9	43.5
2	*5320.00	108.9 AV			1.46 V	333	65.4	43.5
3	5350.00	61.7 PK	74.0	-12.3	1.46 V	333	48.7	13.0
4	5350.00	48.2 AV	54.0	-5.8	1.46 V	333	35.2	13.0
5	10640.00	58.2 PK	74.0	-15.8	2.29 V	159	35.8	22.4
6	10640.00	47.3 AV	54.0	-6.7	2.29 V	159	24.9	22.4

Remarks:

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

RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	60.7 PK	74.0	-13.3	1.52 H	75	47.5	13.2
2	5460.00	47.7 AV	54.0	-6.3	1.52 H	75	34.5	13.2
3	#5470.00	61.4 PK	68.2	-6.8	1.52 H	75	48.2	13.2
4	*5500.00	111.3 PK			1.52 H	75	67.5	43.8
5	*5500.00	102.1 AV			1.52 H	75	58.3	43.8
6	11000.00	59.3 PK	74.0	-14.7	3.14 H	192	37.0	22.3
7	11000.00	46.8 AV	54.0	-7.2	3.14 H	192	24.5	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.6 PK	74.0	-12.4	1.32 V	345	48.4	13.2
2	5460.00	48.2 AV	54.0	-5.8	1.32 V	345	35.0	13.2
3	#5470.00	61.7 PK	68.2	-6.5	1.32 V	345	48.5	13.2
4	*5500.00	118.7 PK			1.32 V	345	74.9	43.8
5	*5500.00	109.5 AV			1.32 V	345	65.7	43.8
6	11000.00	59.5 PK	74.0	-14.5	2.25 V	162	37.2	22.3
7	11000.00	47.3 AV	54.0	-6.7	2.25 V	162	25.0	22.3

Remarks:

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

RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % 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	111.2 PK			1.52 H	70	67.3	43.9
2	*5580.00	101.6 AV			1.52 H	70	57.7	43.9
3	11160.00	59.7 PK	74.0	-14.3	3.11 H	190	37.0	22.7
4	11160.00	47.5 AV	54.0	-6.5	3.11 H	190	24.8	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	*5580.00	119.2 PK			1.28 V	342	75.3	43.9
2	*5580.00	110.0 AV			1.28 V	342	66.1	43.9
3	11160.00	60.0 PK	74.0	-14.0	2.22 V	163	37.3	22.7
4	11160.00	47.9 AV	54.0	-6.1	2.22 V	163	25.2	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.

RF Mode	802.11a	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % 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	111.0 PK			1.52 H	63	66.6	44.4
2	*5700.00	101.5 AV			1.52 H	63	57.1	44.4
3	#5725.00	61.6 PK	68.2	-6.6	1.52 H	63	47.9	13.7
4	11400.00	60.3 PK	74.0	-13.7	3.11 H	195	36.8	23.5
5	11400.00	48.1 AV	54.0	-5.9	3.11 H	195	24.6	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	*5700.00	120.3 PK			1.27 V	347	75.9	44.4
2	*5700.00	111.2 AV			1.27 V	347	66.8	44.4
3	#5725.00	62.4 PK	68.2	-5.8	1.27 V	347	48.7	13.7
4	11400.00	60.8 PK	74.0	-13.2	2.25 V	168	37.3	23.5
5	11400.00	48.6 AV	54.0	-5.4	2.25 V	168	25.1	23.5

Remarks:

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

RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	60.7 PK	68.2	-7.5	1.46 H	72	47.5	13.2
2	#5650.00	61.2 PK	N/A	N/A	1.46 H	72	47.7	13.5
3	*5720.00	110.8 PK			1.46 H	72	66.5	44.3
4	*5720.00	101.5 AV			1.46 H	72	57.2	44.3
5	11440.00	60.3 PK	74.0	-13.7	3.08 H	196	36.8	23.5
6	11440.00	48.3 AV	54.0	-5.7	3.08 H	196	24.8	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.2 PK	68.2	-7.0	1.26 V	346	48.0	13.2
2	*5720.00	120.3 PK			1.26 V	346	76.0	44.3
3	*5720.00	110.7 AV			1.26 V	346	66.4	44.3
4	#5850.00	62.0 PK	68.2	-6.2	1.26 V	346	48.2	13.8
5	11440.00	60.7 PK	74.0	-13.3	2.21 V	165	37.2	23.5
6	11440.00	48.6 AV	54.0	-5.4	2.21 V	165	25.1	23.5

Remarks:

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

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	#5602.00	62.0 PK	68.2	-6.2	1.22 H	72	48.7	13.3
2	*5745.00	117.3 PK			1.22 H	72	72.9	44.4
3	*5745.00	107.7 AV			1.22 H	72	63.3	44.4
4	#5984.00	62.4 PK	68.2	-5.8	1.22 H	72	48.4	14.0
5	11490.00	60.7 PK	74.0	-13.3	3.11 H	190	37.2	23.5
6	11490.00	48.4 AV	54.0	-5.6	3.11 H	190	24.9	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	#5649.60	62.0 PK	68.2	-6.2	1.26 V	346	48.5	13.5
2	*5745.00	127.1 PK			1.26 V	346	82.7	44.4
3	*5745.00	117.6 AV			1.26 V	346	73.2	44.4
4	#5998.00	61.1 PK	68.2	-7.1	1.26 V	346	47.2	13.9
5	11490.00	61.0 PK	74.0	-13.0	2.30 V	155	37.5	23.5
6	11490.00	48.7 AV	54.0	-5.3	2.30 V	155	25.2	23.5

Remarks:

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

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	#5610.00	61.9 PK	68.2	-6.3	1.22 H	72	48.5	13.4
2	*5785.00	117.2 PK			1.22 H	72	72.6	44.6
3	*5785.00	107.7 AV			1.22 H	72	63.1	44.6
4	#5965.20	62.3 PK	68.2	-5.9	1.22 H	72	48.3	14.0
5	11570.00	60.3 PK	74.0	-13.7	3.02 H	199	37.2	23.1
6	11570.00	47.9 AV	54.0	-6.1	3.02 H	199	24.8	23.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5600.00	61.3 PK	68.2	-6.9	1.35 V	342	47.9	13.4
2	*5785.00	126.2 PK			1.35 V	342	81.6	44.6
3	*5785.00	117.2 AV			1.35 V	342	72.6	44.6
4	#5974.80	61.1 PK	68.2	-7.1	1.35 V	342	47.1	14.0
5	11570.00	60.5 PK	74.0	-13.5	2.32 V	154	37.4	23.1
6	11570.00	48.2 AV	54.0	-5.8	2.32 V	154	25.1	23.1

Remarks:

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

RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	#5627.60	61.2 PK	68.2	-7.0	1.22 H	72	47.8	13.4
2	*5825.00	116.5 PK			1.22 H	72	71.8	44.7
3	*5825.00	107.3 AV			1.22 H	72	62.6	44.7
4	#5974.40	62.8 PK	68.2	-5.4	1.22 H	72	48.8	14.0
5	11650.00	59.5 PK	74.0	-14.5	2.99 H	184	37.0	22.5
6	11650.00	47.0 AV	54.0	-7.0	2.99 H	184	24.5	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	#5634.80	62.0 PK	68.2	-6.2	1.30 V	344	48.6	13.4
2	*5825.00	125.8 PK			1.30 V	344	81.1	44.7
3	*5825.00	116.6 AV			1.30 V	344	71.9	44.7
4	#5949.60	61.6 PK	68.2	-6.6	1.30 V	344	47.4	14.2
5	11650.00	59.7 PK	74.0	-14.3	2.33 V	159	37.2	22.5
6	11650.00	47.4 AV	54.0	-6.6	2.33 V	159	24.9	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 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	61.6 PK	74.0	-12.4	2.00 H	74	48.5	13.1
2	5150.00	49.9 AV	54.0	-4.1	2.00 H	74	36.8	13.1
3	*5180.00	116.5 PK			2.00 H	74	73.1	43.4
4	*5180.00	105.2 AV			2.00 H	74	61.8	43.4
5	#10360.00	57.5 PK	68.2	-10.7	3.15 H	195	35.7	21.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	67.2 PK	74.0	-6.8	1.39 V	346	54.1	13.1
2	5150.00	53.7 AV	54.0	-0.3	1.39 V	346	40.6	13.1
3	*5180.00	124.8 PK			1.39 V	346	81.4	43.4
4	*5180.00	112.1 AV			1.39 V	346	68.7	43.4
5	#10360.00	57.7 PK	68.2	-10.5	2.25 V	139	35.9	21.8

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5200.00	119.8 PK			1.94 H	72	76.4	43.4
2	*5200.00	107.4 AV			1.94 H	72	64.0	43.4
3	#10400.00	57.6 PK	68.2	-10.6	3.15 H	193	35.7	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5200.00	127.3 PK			1.51 V	346	83.9	43.4
2	*5200.00	115.2 AV			1.51 V	346	71.8	43.4
3	#10400.00	57.8 PK	68.2	-10.4	2.27 V	142	35.9	21.9

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	118.4 PK			1.94 H	74	75.2	43.2
2	*5240.00	107.0 AV			1.94 H	74	63.8	43.2
3	5350.00	60.0 PK	74.0	-14.0	1.94 H	74	47.0	13.0
4	5350.00	48.0 AV	54.0	-6.0	1.94 H	74	35.0	13.0
5	#10480.00	57.8 PK	68.2	-10.4	3.16 H	189	35.7	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	126.9 PK			1.41 V	344	83.7	43.2
2	*5240.00	114.9 AV			1.41 V	344	71.7	43.2
3	5350.00	60.2 PK	74.0	-13.8	1.41 V	344	47.2	13.0
4	5350.00	48.2 AV	54.0	-5.8	1.41 V	344	35.2	13.0
5	#10480.00	58.0 PK	68.2	-10.2	2.29 V	145	35.9	22.1

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	1.83 H	81	48.0	13.1
2	5150.00	47.7 AV	54.0	-6.3	1.83 H	81	34.6	13.1
3	*5260.00	111.9 PK			1.83 H	81	68.7	43.2
4	*5260.00	101.1 AV			1.83 H	81	57.9	43.2
5	#10520.00	57.7 PK	68.2	-10.5	3.15 H	185	35.6	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.3 PK	74.0	-12.7	1.54 V	342	48.2	13.1
2	5150.00	47.9 AV	54.0	-6.1	1.54 V	342	34.8	13.1
3	*5260.00	120.8 PK			1.54 V	342	77.6	43.2
4	*5260.00	109.7 AV			1.54 V	342	66.5	43.2
5	#10520.00	57.9 PK	68.2	-10.3	2.22 V	161	35.8	22.1

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	114.1 PK			1.80 H	78	70.8	43.3
2	*5300.00	101.5 AV			1.80 H	78	58.2	43.3
3	10600.00	57.8 PK	74.0	-16.2	3.15 H	195	35.6	22.2
4	10600.00	46.8 AV	54.0	-7.2	3.15 H	195	24.6	22.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	122.1 PK			1.55 V	339	78.8	43.3
2	*5300.00	109.9 AV			1.55 V	339	66.6	43.3
3	10600.00	58.0 PK	74.0	-16.0	2.28 V	162	35.8	22.2
4	10600.00	46.9 AV	54.0	-7.1	2.28 V	162	24.7	22.2

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.3 PK			1.78 H	79	68.8	43.5
2	*5320.00	100.6 AV			1.78 H	79	57.1	43.5
3	5350.00	61.0 PK	74.0	-13.0	1.78 H	79	48.0	13.0
4	5350.00	47.6 AV	54.0	-6.4	1.78 H	79	34.6	13.0
5	10640.00	58.0 PK	74.0	-16.0	1.95 H	315	35.6	22.4
6	10640.00	47.0 AV	54.0	-7.0	1.95 H	315	24.6	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	121.6 PK			1.43 V	339	78.1	43.5
2	*5320.00	109.1 AV			1.43 V	339	65.6	43.5
3	5350.00	61.2 PK	74.0	-12.8	1.43 V	339	48.2	13.0
4	5350.00	47.9 AV	54.0	-6.1	1.43 V	339	34.9	13.0
5	10640.00	58.2 PK	74.0	-15.8	2.28 V	160	35.8	22.4
6	10640.00	47.2 AV	54.0	-6.8	2.28 V	160	24.8	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 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	61.0 PK	74.0	-13.0	1.44 H	78	47.8	13.2
2	5460.00	47.7 AV	54.0	-6.3	1.44 H	78	34.5	13.2
3	#5470.00	61.7 PK	68.2	-6.5	1.44 H	78	48.5	13.2
4	*5500.00	113.1 PK			1.44 H	78	69.3	43.8
5	*5500.00	101.4 AV			1.44 H	78	57.6	43.8
6	11000.00	59.5 PK	74.0	-14.5	3.10 H	185	37.2	22.3
7	11000.00	47.1 AV	54.0	-6.9	3.10 H	185	24.8	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	1.40 V	341	48.2	13.2
2	5460.00	48.1 AV	54.0	-5.9	1.40 V	341	34.9	13.2
3	#5470.00	62.4 PK	68.2	-5.8	1.40 V	341	49.2	13.2
4	*5500.00	121.4 PK			1.40 V	341	77.6	43.8
5	*5500.00	110.2 AV			1.40 V	341	66.4	43.8
6	11000.00	59.7 PK	74.0	-14.3	2.21 V	165	37.4	22.3
7	11000.00	47.4 AV	54.0	-6.6	2.21 V	165	25.1	22.3

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % 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	112.7 PK			1.27 H	76	68.8	43.9
2	*5580.00	100.5 AV			1.27 H	76	56.6	43.9
3	11160.00	59.5 PK	74.0	-14.5	3.09 H	185	36.8	22.7
4	11160.00	47.4 AV	54.0	-6.6	3.09 H	185	24.7	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	*5580.00	122.2 PK			1.32 V	340	78.3	43.9
2	*5580.00	110.1 AV			1.32 V	340	66.2	43.9
3	11160.00	59.9 PK	74.0	-14.1	2.28 V	169	37.2	22.7
4	11160.00	47.7 AV	54.0	-6.3	2.28 V	169	25.0	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.

RF Mode	802.11be (EHT20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	112.3 PK			1.38 H	72	67.9	44.4
2	*5700.00	100.3 AV			1.38 H	72	55.9	44.4
3	#5725.00	62.0 PK	68.2	-6.2	1.38 H	72	48.3	13.7
4	11400.00	60.5 PK	74.0	-13.5	3.11 H	196	37.0	23.5
5	11400.00	48.3 AV	54.0	-5.7	3.11 H	196	24.8	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	*5700.00	121.9 PK			1.23 V	342	77.5	44.4
2	*5700.00	110.1 AV			1.23 V	342	65.7	44.4
3	**#5725.00**	**68.1 PK**	**68.2**	**-0.1**	**1.23 V**	**342**	**54.4**	**13.7**
4	11400.00	60.7 PK	74.0	-13.3	2.23 V	162	37.2	23.5
5	11400.00	48.5 AV	54.0	-5.5	2.23 V	162	25.0	23.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	1.38 H	72	47.6	13.2
2	*5720.00	113.5 PK			1.38 H	72	69.2	44.3
3	*5720.00	101.2 AV			1.38 H	72	56.9	44.3
4	#5850.00	61.6 PK	68.2	-6.6	1.38 H	72	47.8	13.8
5	11440.00	60.4 PK	74.0	-13.6	3.04 H	199	36.9	23.5
6	11440.00	48.0 AV	54.0	-6.0	3.04 H	199	24.5	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.2 PK	68.2	-7.0	1.28 V	343	48.0	13.2
2	*5720.00	122.3 PK			1.28 V	343	78.0	44.3
3	*5720.00	111.1 AV			1.28 V	343	66.8	44.3
4	#5850.00	61.9 PK	68.2	-6.3	1.28 V	343	48.1	13.8
5	11440.00	60.7 PK	74.0	-13.3	2.25 V	162	37.2	23.5
6	11440.00	48.5 AV	54.0	-5.5	2.25 V	162	25.0	23.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	#5603.20	61.9 PK	68.2	-6.3	1.50 H	74	48.6	13.3
2	*5745.00	119.1 PK			1.50 H	74	74.7	44.4
3	*5745.00	107.1 AV			1.50 H	74	62.7	44.4
4	#5959.20	62.9 PK	68.2	-5.3	1.50 H	74	48.8	14.1
5	11490.00	60.3 PK	74.0	-13.7	3.16 H	199	36.8	23.5
6	11490.00	48.2 AV	54.0	-5.8	3.16 H	199	24.7	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	#5650.00	62.2 PK	68.2	-6.0	1.30 V	341	48.7	13.5
2	*5745.00	128.7 PK			1.30 V	341	84.3	44.4
3	*5745.00	117.1 AV			1.30 V	341	72.7	44.4
4	#5934.40	61.5 PK	68.2	-6.7	1.30 V	341	47.4	14.1
5	11490.00	60.7 PK	74.0	-13.3	2.25 V	159	37.2	23.5
6	11490.00	48.5 AV	54.0	-5.5	2.25 V	159	25.0	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.

RF Mode	802.11be (EHT20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	61.8 PK	68.2	-6.4	1.48 H	76	48.4	13.4
2	*5785.00	120.0 PK			1.48 H	76	75.4	44.6
3	*5785.00	107.7 AV			1.48 H	76	63.1	44.6
4	#5988.00	63.9 PK	68.2	-4.3	1.48 H	76	49.9	14.0
5	11570.00	60.0 PK	74.0	-14.0	3.16 H	190	36.9	23.1
6	11570.00	47.8 AV	54.0	-6.2	3.16 H	190	24.7	23.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.60	61.3 PK	68.2	-6.9	1.29 V	342	47.9	13.4
2	*5785.00	128.1 PK			1.29 V	342	83.5	44.6
3	*5785.00	116.8 AV			1.29 V	342	72.2	44.6
4	#5950.40	62.2 PK	68.2	-6.0	1.29 V	342	48.0	14.2
5	11570.00	60.4 PK	74.0	-13.6	2.28 V	154	37.3	23.1
6	11570.00	48.1 AV	54.0	-5.9	2.28 V	154	25.0	23.1

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	62.6 PK	68.2	-5.6	1.48 H	68	49.2	13.4
2	*5825.00	118.8 PK			1.48 H	68	74.1	44.7
3	*5825.00	107.0 AV			1.48 H	68	62.3	44.7
4	#5989.20	64.3 PK	68.2	-3.9	1.48 H	68	50.3	14.0
5	11650.00	59.5 PK	74.0	-14.5	3.06 H	196	37.0	22.5
6	11650.00	47.3 AV	54.0	-6.7	3.06 H	196	24.8	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	#5630.40	61.3 PK	68.2	-6.9	1.41 V	342	47.9	13.4
2	*5825.00	128.0 PK			1.41 V	342	83.3	44.7
3	*5825.00	116.1 AV			1.41 V	342	71.4	44.7
4	#5938.80	61.0 PK	68.2	-7.2	1.41 V	342	46.9	14.1
5	11650.00	60.0 PK	74.0	-14.0	2.32 V	155	37.5	22.5
6	11650.00	47.7 AV	54.0	-6.3	2.32 V	155	25.2	22.5

Remarks:

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

RF Mode	802.11be (EHT40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	61.7 PK	74.0	-12.3	1.94 H	72	48.6	13.1
2	5150.00	50.1 AV	54.0	-3.9	1.94 H	72	37.0	13.1
3	*5190.00	109.4 PK			1.94 H	72	66.1	43.3
4	*5190.00	97.4 AV			1.94 H	72	54.1	43.3
5	#10380.00	57.5 PK	68.2	-10.7	3.05 H	187	35.8	21.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	68.7 PK	74.0	-5.3	1.48 V	345	55.6	13.1
2	5150.00	53.8 AV	54.0	-0.2	1.48 V	345	40.7	13.1
3	*5190.00	117.7 PK			1.48 V	345	74.4	43.3
4	*5190.00	104.4 AV			1.48 V	345	61.1	43.3
5	#10380.00	57.9 PK	68.2	-10.3	2.00 V	136	36.2	21.7

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.6 PK	74.0	-11.4	1.95 H	76	49.5	13.1
2	5150.00	49.3 AV	54.0	-4.7	1.95 H	76	36.2	13.1
3	*5230.00	116.6 PK			1.95 H	76	73.4	43.2
4	*5230.00	104.4 AV			1.95 H	76	61.2	43.2
5	5350.00	59.7 PK	74.0	-14.3	1.95 H	76	46.7	13.0
6	5350.00	47.6 AV	54.0	-6.4	1.95 H	76	34.6	13.0
7	#10460.00	57.6 PK	68.2	-10.6	3.11 H	189	35.6	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.3 PK	74.0	-6.7	1.40 V	346	54.2	13.1
2	5150.00	51.7 AV	54.0	-2.3	1.40 V	346	38.6	13.1
3	*5230.00	124.4 PK			1.40 V	346	81.2	43.2
4	*5230.00	112.0 AV			1.40 V	346	68.8	43.2
5	5350.00	59.8 PK	74.0	-14.2	1.40 V	346	46.8	13.0
6	5350.00	47.8 AV	54.0	-6.2	1.40 V	346	34.8	13.0
7	#10460.00	57.8 PK	68.2	-10.4	2.14 V	133	35.8	22.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.9 PK	74.0	-13.1	1.77 H	78	47.8	13.1
2	5150.00	47.7 AV	54.0	-6.3	1.77 H	78	34.6	13.1
3	*5270.00	111.3 PK			1.77 H	78	68.1	43.2
4	*5270.00	99.3 AV			1.77 H	78	56.1	43.2
5	#10540.00	57.7 PK	68.2	-10.5	3.05 H	195	35.5	22.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	1.53 V	342	48.0	13.1
2	5150.00	47.9 AV	54.0	-6.1	1.53 V	342	34.8	13.1
3	*5270.00	119.3 PK			1.53 V	342	76.1	43.2
4	*5270.00	106.9 AV			1.53 V	342	63.7	43.2
5	#10540.00	57.9 PK	68.2	-10.3	2.28 V	162	35.7	22.2

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	109.6 PK			1.81 H	79	66.3	43.3
2	*5310.00	97.2 AV			1.81 H	79	53.9	43.3
3	5350.00	60.6 PK	74.0	-13.4	1.81 H	79	47.6	13.0
4	5350.00	48.1 AV	54.0	-5.9	1.81 H	79	35.1	13.0
5	10620.00	57.8 PK	74.0	-16.2	3.15 H	195	35.6	22.2
6	10620.00	46.8 AV	54.0	-7.2	3.15 H	195	24.6	22.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	118.5 PK			1.36 V	340	75.2	43.3
2	*5310.00	106.2 AV			1.36 V	340	62.9	43.3
3	5350.00	68.4 PK	74.0	-5.6	1.36 V	340	55.4	13.0
4	5350.00	53.7 AV	54.0	-0.3	1.36 V	340	40.7	13.0
5	10620.00	58.0 PK	74.0	-16.0	2.22 V	160	35.8	22.2
6	10620.00	47.0 AV	54.0	-7.0	2.22 V	160	24.8	22.2

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	61.1 PK	74.0	-12.9	1.62 H	75	47.9	13.2
2	5460.00	48.0 AV	54.0	-6.0	1.62 H	75	34.8	13.2
3	#5470.00	61.0 PK	68.2	-7.2	1.62 H	75	47.8	13.2
4	*5510.00	110.5 PK			1.62 H	75	66.7	43.8
5	*5510.00	98.5 AV			1.62 H	75	54.7	43.8
6	11020.00	59.5 PK	74.0	-14.5	3.11 H	190	37.0	22.5
7	11020.00	47.1 AV	54.0	-6.9	3.11 H	190	24.6	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	5460.00	62.2 PK	74.0	-11.8	1.34 V	341	49.0	13.2
2	5460.00	49.0 AV	54.0	-5.0	1.34 V	341	35.8	13.2
3	#5470.00	67.9 PK	68.2	-0.3	1.34 V	341	54.7	13.2
4	*5510.00	120.5 PK			1.34 V	341	76.7	43.8
5	*5510.00	108.1 AV			1.34 V	341	64.3	43.8
6	11020.00	59.7 PK	74.0	-14.3	2.25 V	162	37.2	22.5
7	11020.00	47.4 AV	54.0	-6.6	2.25 V	162	24.9	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 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % 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	111.0 PK			1.61 H	74	67.2	43.8
2	*5550.00	98.2 AV			1.61 H	74	54.4	43.8
3	11100.00	59.6 PK	74.0	-14.4	3.11 H	194	36.9	22.7
4	11100.00	47.5 AV	54.0	-6.5	3.11 H	194	24.8	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	*5550.00	120.0 PK			1.29 V	341	76.2	43.8
2	*5550.00	108.3 AV			1.29 V	341	64.5	43.8
3	11100.00	59.9 PK	74.0	-14.1	2.25 V	169	37.2	22.7
4	11100.00	47.7 AV	54.0	-6.3	2.25 V	169	25.0	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.

RF Mode	802.11be (EHT40)	**Channel**	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % 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	110.4 PK			1.16 H	74	66.2	44.2
2	*5670.00	98.5 AV			1.16 H	74	54.3	44.2
3	#5725.00	61.5 PK	68.2	-6.7	1.16 H	74	47.8	13.7
4	11340.00	60.2 PK	74.0	-13.8	3.06 H	187	36.9	23.3
5	11340.00	48.0 AV	54.0	-6.0	3.06 H	187	24.7	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5670.00	121.3 PK			1.32 V	343	77.1	44.2
2	*5670.00	108.6 AV			1.32 V	343	64.4	44.2
3	#5725.00	62.5 PK	68.2	-5.7	1.32 V	343	48.8	13.7
4	11340.00	60.5 PK	74.0	-13.5	2.28 V	162	37.2	23.3
5	11340.00	48.3 AV	54.0	-5.7	2.28 V	162	25.0	23.3

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	1.35 H	73	47.6	13.2
2	*5710.00	110.8 PK			1.35 H	73	66.5	44.3
3	*5710.00	98.7 AV			1.35 H	73	54.4	44.3
4	#5850.00	61.4 PK	68.2	-6.8	1.35 H	73	47.6	13.8
5	11420.00	60.4 PK	74.0	-13.6	3.03 H	190	36.9	23.5
6	11420.00	48.0 AV	54.0	-6.0	3.03 H	190	24.5	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.2 PK	68.2	-7.0	1.32 V	343	48.0	13.2
2	*5710.00	119.4 PK			1.32 V	343	75.1	44.3
3	*5710.00	107.9 AV			1.32 V	343	63.6	44.3
4	#5850.00	62.0 PK	68.2	-6.2	1.32 V	343	48.2	13.8
5	11420.00	60.7 PK	74.0	-13.3	2.25 V	170	37.2	23.5
6	11420.00	48.4 AV	54.0	-5.6	2.25 V	170	24.9	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 (EHT40)	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	61.3 PK	68.2	-6.9	1.30 H	73	47.9	13.4
2	*5755.00	116.2 PK			1.30 H	73	71.7	44.5
3	*5755.00	104.5 AV			1.30 H	73	60.0	44.5
4	#5979.60	62.3 PK	68.2	-5.9	1.30 H	73	48.3	14.0
5	11510.00	60.1 PK	74.0	-13.9	3.03 H	199	36.8	23.3
6	11510.00	47.9 AV	54.0	-6.1	3.03 H	199	24.6	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	#5650.00	64.1 PK	68.2	-4.1	1.29 V	343	50.6	13.5
2	*5755.00	126.6 PK			1.29 V	343	82.1	44.5
3	*5755.00	114.3 AV			1.29 V	343	69.8	44.5
4	#5933.60	61.9 PK	68.2	-6.3	1.29 V	343	47.8	14.1
5	11510.00	60.5 PK	74.0	-13.5	2.33 V	159	37.2	23.3
6	11510.00	48.3 AV	54.0	-5.7	2.33 V	159	25.0	23.3

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	#5621.20	62.1 PK	68.2	-6.1	1.46 H	76	48.7	13.4
2	*5795.00	116.3 PK			1.46 H	76	71.6	44.7
3	*5795.00	104.4 AV			1.46 H	76	59.7	44.7
4	#5999.60	63.0 PK	68.2	-5.2	1.46 H	76	49.1	13.9
5	11590.00	59.7 PK	74.0	-14.3	3.05 H	191	36.8	22.9
6	11590.00	47.6 AV	54.0	-6.4	3.05 H	191	24.7	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	#5635.20	62.0 PK	68.2	-6.2	1.25 V	342	48.6	13.4
2	*5795.00	125.4 PK			1.25 V	342	80.7	44.7
3	*5795.00	113.4 AV			1.25 V	342	68.7	44.7
4	#5925.20	61.7 PK	68.2	-6.5	1.25 V	342	47.6	14.1
5	11590.00	60.0 PK	74.0	-14.0	2.36 V	155	37.1	22.9
6	11590.00	48.0 AV	54.0	-6.0	2.36 V	155	25.1	22.9

Remarks:

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

RF Mode	802.11be (EHT80)	**Channel**	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	62.8 PK	74.0	-11.2	1.98 H	74	49.7	13.1
2	5150.00	50.3 AV	54.0	-3.7	1.98 H	74	37.2	13.1
3	*5210.00	107.5 PK			1.98 H	74	64.2	43.3
4	*5210.00	95.1 AV			1.98 H	74	51.8	43.3
5	#10420.00	57.7 PK	68.2	-10.5	3.16 H	195	35.8	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	66.8 PK	74.0	-7.2	1.46 V	343	53.7	13.1
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**1.46 V**	**343**	**40.8**	**13.1**
3	*5210.00	114.3 PK			1.46 V	343	71.0	43.3
4	*5210.00	102.0 AV			1.46 V	343	58.7	43.3
5	#10420.00	57.9 PK	68.2	-10.3	2.11 V	136	36.0	21.9

Remarks:

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

RF Mode	802.11be (EHT80)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 66 % RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5290.00	106.1 PK			1.81 H	72	62.8	43.3
2	*5290.00	93.8 AV			1.81 H	72	50.5	43.3
3	5350.00	61.5 PK	74.0	-12.5	1.81 H	72	48.5	13.0
4	5350.00	48.7 AV	54.0	-5.3	1.81 H	72	35.7	13.0
5	#10580.00	57.7 PK	68.2	-10.5	3.15 H	199	35.5	22.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5290.00	115.6 PK			1.61 V	338	72.3	43.3
2	*5290.00	102.4 AV			1.61 V	338	59.1	43.3
3	5350.00	66.5 PK	74.0	-7.5	1.61 V	338	53.5	13.0
4	5350.00	53.5 AV	54.0	-0.5	1.61 V	338	40.5	13.0
5	#10580.00	57.8 PK	68.2	-10.4	2.30 V	161	35.6	22.2

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	1.42 H	72	47.7	13.2
2	5460.00	51.0 AV	54.0	-3.0	1.42 H	72	37.8	13.2
3	#5470.00	61.4 PK	68.2	-6.8	1.42 H	72	48.2	13.2
4	*5530.00	108.3 PK			1.42 H	72	64.5	43.8
5	*5530.00	95.4 AV			1.42 H	72	51.6	43.8
6	11060.00	59.4 PK	74.0	-14.6	3.15 H	198	36.8	22.6
7	11060.00	47.2 AV	54.0	-6.8	3.15 H	198	24.6	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	5460.00	65.1 PK	74.0	-8.9	1.47 V	341	51.9	13.2
2	5460.00	52.1 AV	54.0	-1.9	1.47 V	341	38.9	13.2
3	#5470.00	67.2 PK	68.2	-1.0	1.47 V	341	54.0	13.2
4	*5530.00	116.9 PK			1.47 V	341	73.1	43.8
5	*5530.00	104.4 AV			1.47 V	341	60.6	43.8
6	11060.00	59.6 PK	74.0	-14.4	2.20 V	169	37.0	22.6
7	11060.00	47.4 AV	54.0	-6.6	2.20 V	169	24.8	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 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % 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	*5610.00	107.5 PK			1.42 H	70	63.4	44.1
2	*5610.00	95.4 AV			1.42 H	70	51.3	44.1
3	#5725.00	61.6 PK	68.2	-6.6	1.42 H	70	47.9	13.7
4	11220.00	59.6 PK	74.0	-14.4	3.18 H	190	36.8	22.8
5	11220.00	47.3 AV	54.0	-6.7	3.18 H	190	24.5	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5610.00	117.3 PK			1.39 V	344	73.2	44.1
2	*5610.00	104.7 AV			1.39 V	344	60.6	44.1
3	#5725.00	62.5 PK	68.2	-5.7	1.39 V	344	48.8	13.7
4	11220.00	59.8 PK	74.0	-14.2	2.25 V	159	37.0	22.8
5	11220.00	47.5 AV	54.0	-6.5	2.25 V	159	24.7	22.8

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	61.2 PK	68.2	-7.0	1.41 H	71	48.0	13.2
2	*5690.00	107.9 PK			1.41 H	71	63.6	44.3
3	*5690.00	95.9 AV			1.41 H	71	51.6	44.3
4	#5850.00	61.7 PK	68.2	-6.5	1.41 H	71	47.9	13.8
5	11380.00	60.2 PK	74.0	-13.8	3.00 H	184	36.8	23.4
6	11380.00	48.3 AV	54.0	-5.7	3.00 H	184	24.9	23.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.7 PK	68.2	-6.5	1.40 V	346	48.5	13.2
2	*5690.00	118.3 PK			1.40 V	346	74.0	44.3
3	*5690.00	105.7 AV			1.40 V	346	61.4	44.3
4	#5850.00	62.4 PK	68.2	-5.8	1.40 V	346	48.6	13.8
5	11380.00	60.5 PK	74.0	-13.5	2.25 V	168	37.1	23.4
6	11380.00	48.4 AV	54.0	-5.6	2.25 V	168	25.0	23.4

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	#5643.20	62.6 PK	68.2	-5.6	1.46 H	74	49.1	13.5
2	*5775.00	112.9 PK			1.46 H	74	68.3	44.6
3	*5775.00	100.8 AV			1.46 H	74	56.2	44.6
4	#5993.20	63.0 PK	68.2	-5.2	1.46 H	74	49.0	14.0
5	11550.00	60.0 PK	74.0	-14.0	3.03 H	197	36.8	23.2
6	11550.00	47.8 AV	54.0	-6.2	3.03 H	197	24.6	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	#5634.00	67.7 PK	68.2	-0.5	1.32 V	342	54.3	13.4
2	*5775.00	122.4 PK			1.32 V	342	77.8	44.6
3	*5775.00	110.3 AV			1.32 V	342	65.7	44.6
4	#5936.80	62.9 PK	68.2	-5.3	1.32 V	342	48.8	14.1
5	11550.00	60.2 PK	74.0	-13.8	2.21 V	160	37.0	23.2
6	11550.00	48.3 AV	54.0	-5.7	2.21 V	160	25.1	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 (EHT160)	Channel	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % 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	62.9 PK	74.0	-11.1	1.82 H	72	49.8	13.1
2	5150.00	50.1 AV	54.0	-3.9	1.82 H	72	37.0	13.1
3	*5250.00	102.9 PK			1.82 H	72	59.7	43.2
4	*5250.00	90.9 AV			1.82 H	72	47.7	43.2
5	5354.90	63.1 PK	74.0	-10.9	1.82 H	72	50.1	13.0
6	5354.90	49.7 AV	54.0	-4.3	1.82 H	72	36.7	13.0
7	#10500.00	58.3 PK	68.2	-9.9	3.30 H	185	36.2	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.4 PK	74.0	-3.6	1.54 V	334	57.3	13.1
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**1.54 V**	**334**	**40.8**	**13.1**
3	*5250.00	111.9 PK			1.54 V	334	68.7	43.2
4	*5250.00	100.1 AV			1.54 V	334	56.9	43.2
5	5350.00	70.5 PK	74.0	-3.5	1.54 V	334	57.5	13.0
6	**5350.00**	**53.9 AV**	**54.0**	**-0.1**	**1.54 V**	**334**	**40.9**	**13.0**
7	#10500.00	58.8 PK	68.2	-9.4	2.36 V	162	36.7	22.1

Remarks:

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

RF Mode	802.11be (EHT160)	**Channel**	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % 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	60.4 PK	74.0	-13.6	1.40 H	71	47.2	13.2
2	5460.00	48.0 AV	54.0	-6.0	1.40 H	71	34.8	13.2
3	#5470.00	61.1 PK	68.2	-7.1	1.40 H	71	47.9	13.2
4	*5570.00	100.7 PK			1.40 H	71	56.8	43.9
5	*5570.00	88.6 AV			1.40 H	71	44.7	43.9
6	#5725.00	61.2 PK	68.2	-7.0	1.40 H	71	47.5	13.7
7	11140.00	59.5 PK	74.0	-14.5	3.03 H	190	36.7	22.8
8	11140.00	47.3 AV	54.0	-6.7	3.03 H	190	24.5	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	65.4 PK	74.0	-8.6	1.31 V	341	52.2	13.2
2	5460.00	49.1 AV	54.0	-4.9	1.31 V	341	35.9	13.2
3	**#5470.00**	**68.1 PK**	**68.2**	**-0.1**	**1.31 V**	**341**	**54.9**	**13.2**
4	*5570.00	111.3 PK			1.31 V	341	67.4	43.9
5	*5570.00	98.1 AV			1.31 V	341	54.2	43.9
6	#5725.00	63.0 PK	68.2	-5.2	1.31 V	341	49.3	13.7
7	11140.00	59.4 PK	74.0	-14.6	2.29 V	165	36.6	22.8
8	11140.00	47.4 AV	54.0	-6.6	2.29 V	165	24.6	22.8

Remarks:

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

RF Mode	802.11be (EHT240)	Channel	CH 114+138：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	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	65.2 PK	74.0	-8.8	1.52 H	76	52.0	13.2
2	5460.00	47.8 AV	54.0	-6.2	1.52 H	76	34.6	13.2
3	#5470.00	65.2 PK	68.2	-3.0	1.52 H	76	52.0	13.2
4	*5610.00	100.9 PK			1.52 H	76	56.8	44.1
5	*5610.00	87.8 AV			1.52 H	76	43.7	44.1
6	#5850.00	60.8 PK	68.2	-7.4	1.52 H	76	47.0	13.8
7	11220.00	59.3 PK	74.0	-14.7	3.02 H	187	36.5	22.8
8	11220.00	47.3 AV	54.0	-6.7	3.02 H	187	24.5	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	67.8 PK	74.0	-6.2	1.37 V	343	54.6	13.2
2	5460.00	48.7 AV	54.0	-5.3	1.37 V	343	35.5	13.2
3	#5470.00	68.0 PK	68.2	-0.2	1.37 V	343	54.8	13.2
4	*5610.00	106.1 PK			1.37 V	343	62.0	44.1
5	*5610.00	94.6 AV			1.37 V	343	50.5	44.1
6	#5850.00	61.0 PK	68.2	-7.2	1.37 V	343	47.2	13.8
7	11220.00	59.5 PK	74.0	-14.5	2.22 V	159	36.7	22.8
8	11220.00	47.5 AV	54.0	-6.5	2.22 V	159	24.7	22.8

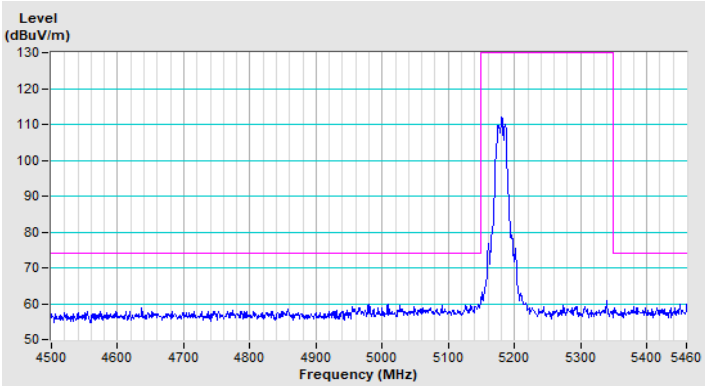
Remarks:

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

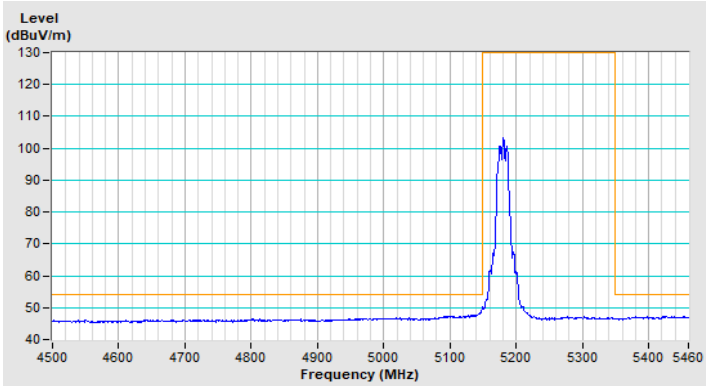
Plot of Band Edge

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

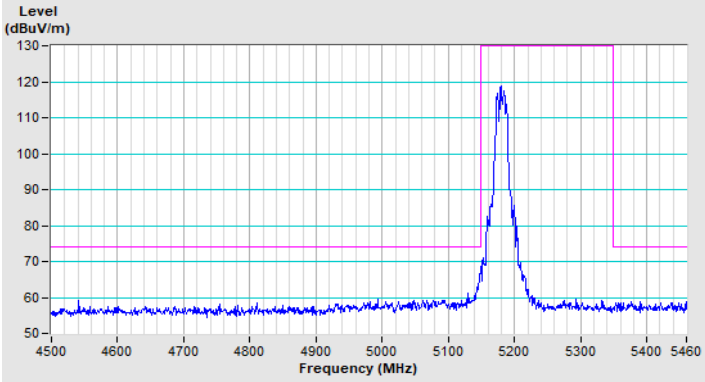
802.11a Channel 36



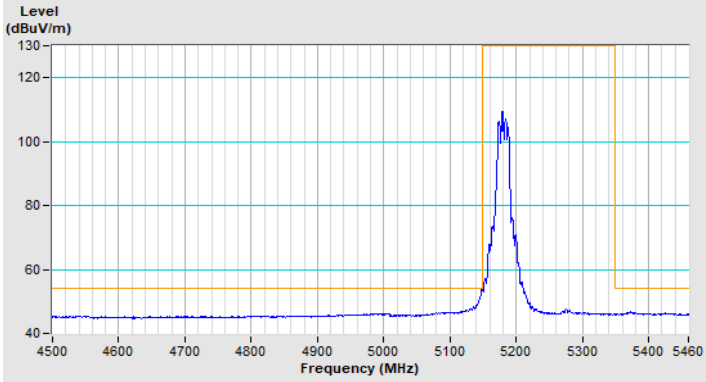
Horizontal (Peak)



Horizontal (Average)

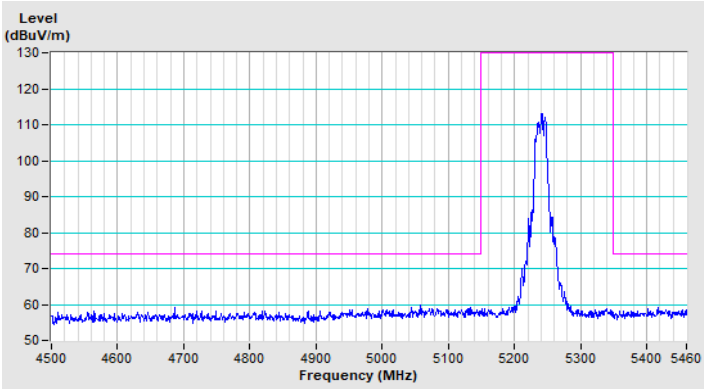


Vertical (Peak)

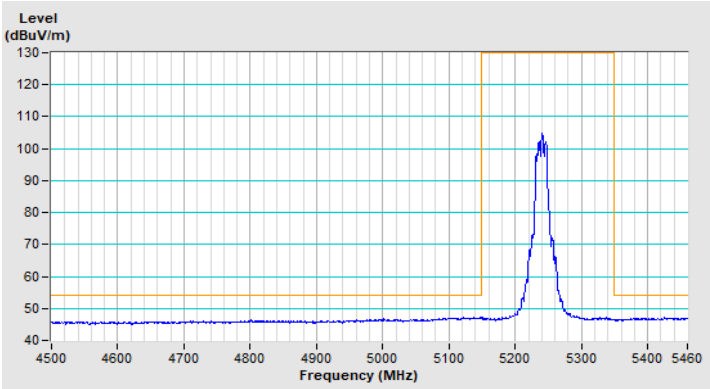


Vertical (Average)

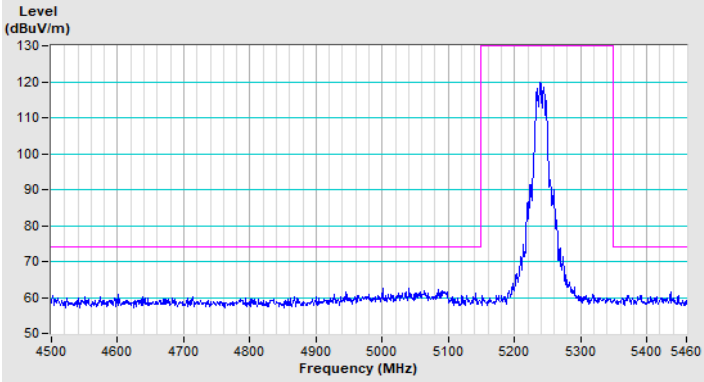
802.11a Channel 48



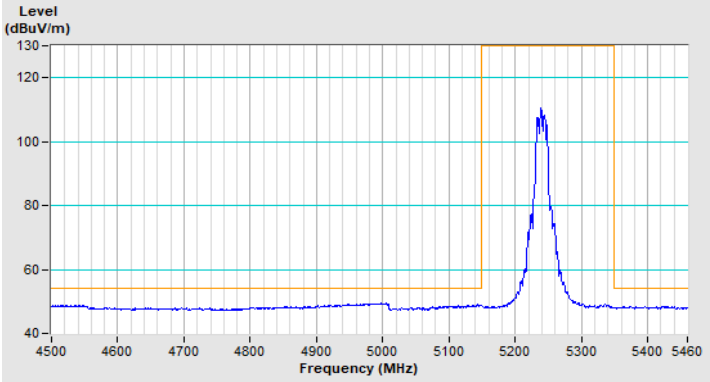
Horizontal (Peak)



Horizontal (Average)

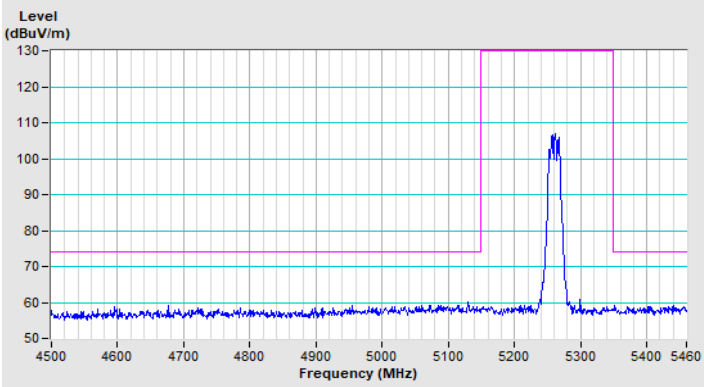


Vertical (Peak)

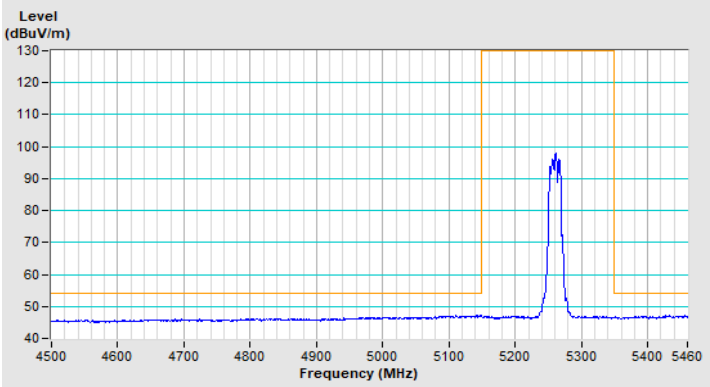


Vertical (Average)

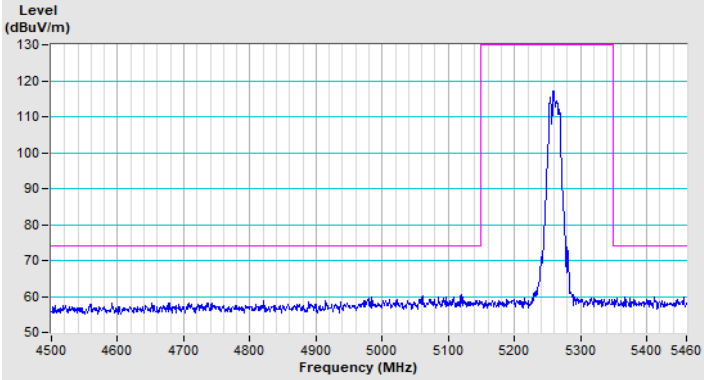
802.11a Channel 52



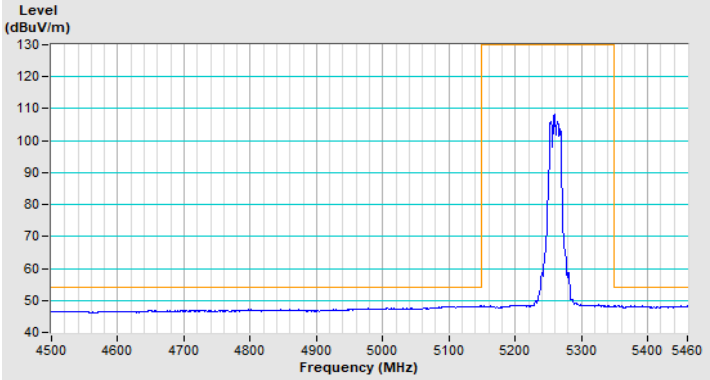
Horizontal (Peak)



Horizontal (Average)

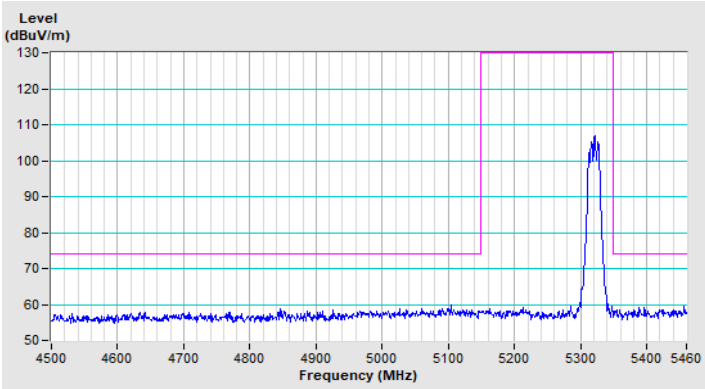


Vertical (Peak)

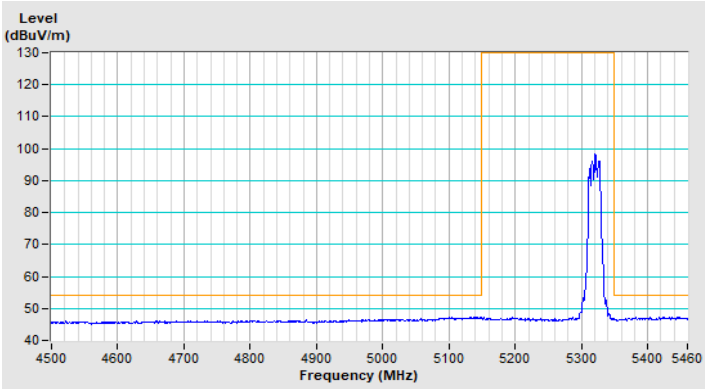


Vertical (Average)

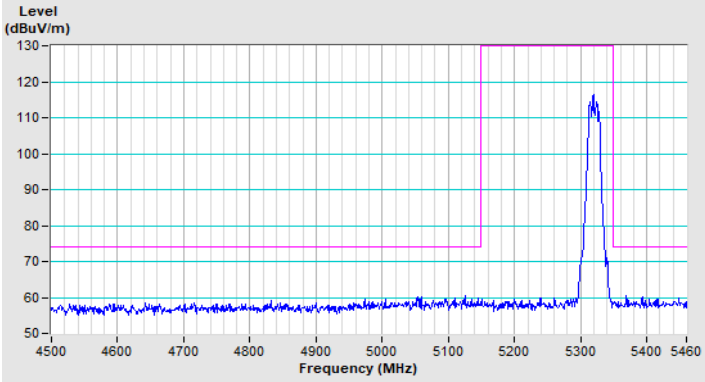
802.11a Channel 64



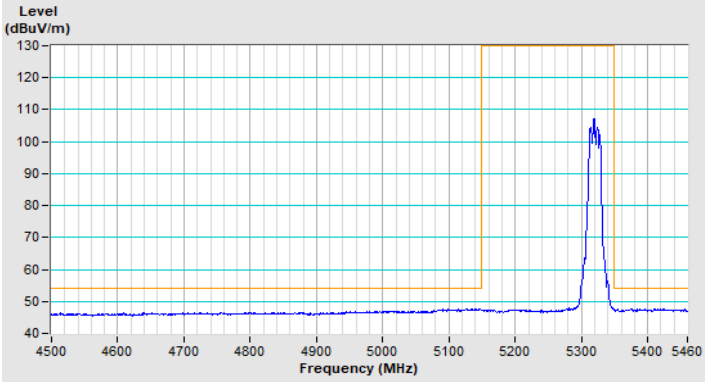
Horizontal (Peak)



Horizontal (Average)



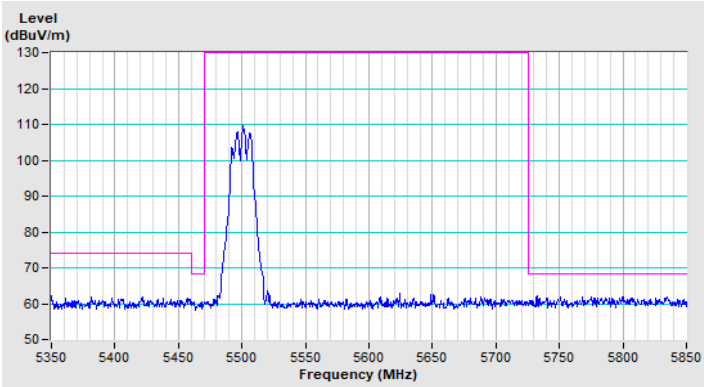
Vertical (Peak)



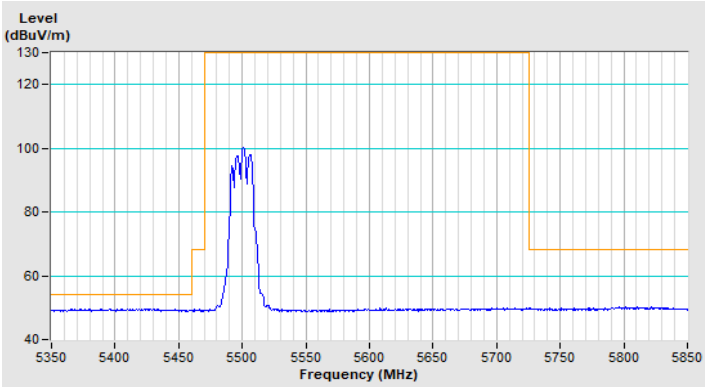
Vertical (Average)

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

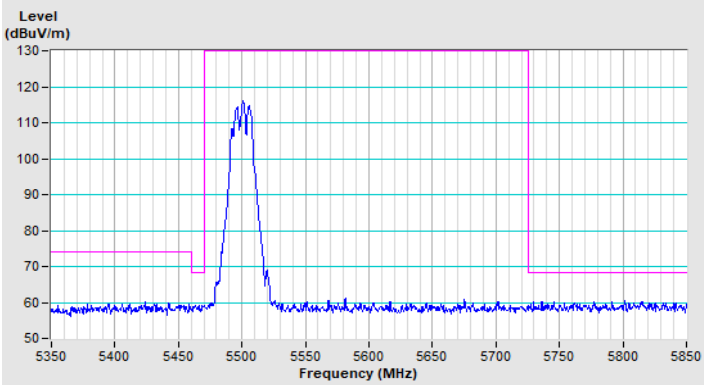
802.11a Channel 100



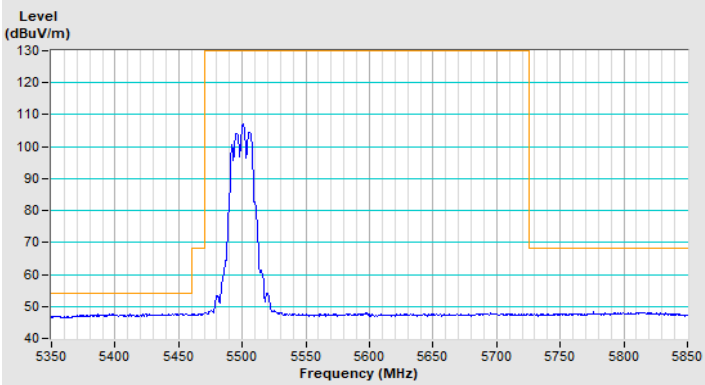
Horizontal (Peak)



Horizontal (Average)

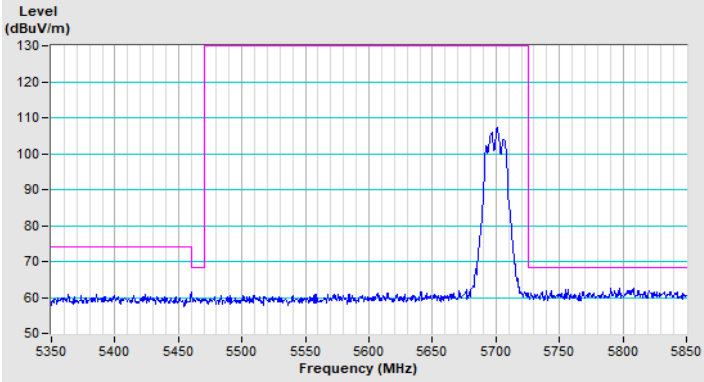


Vertical (Peak)

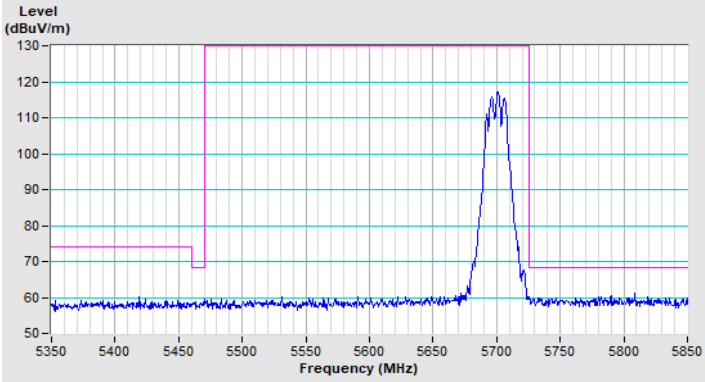


Vertical (Average)

802.11a Channel 140

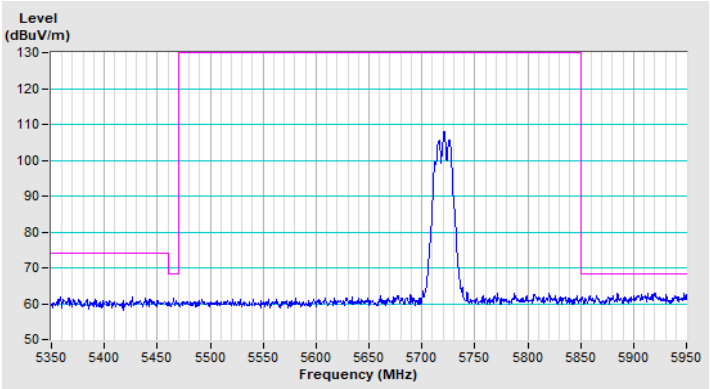
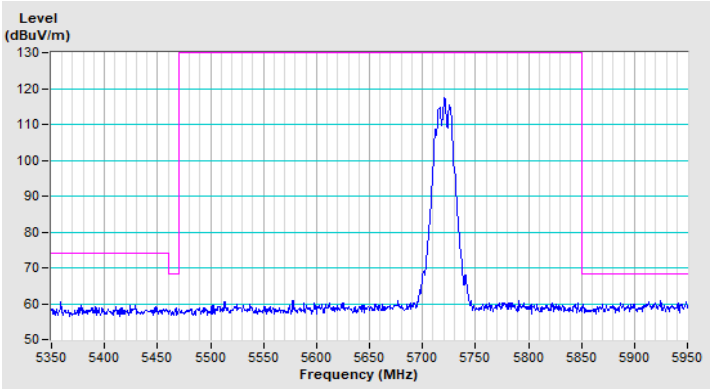


Horizontal (Peak)



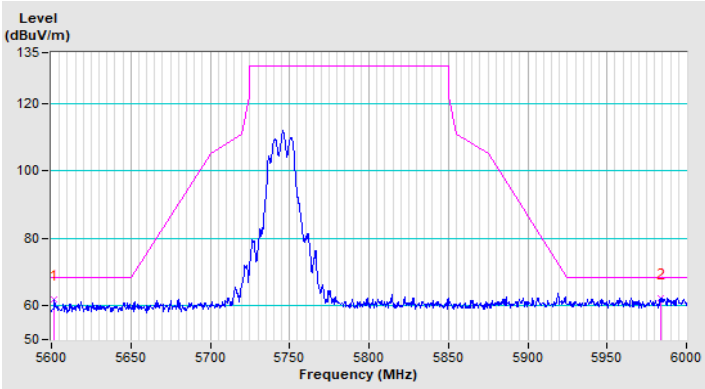
Vertical (Peak)

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

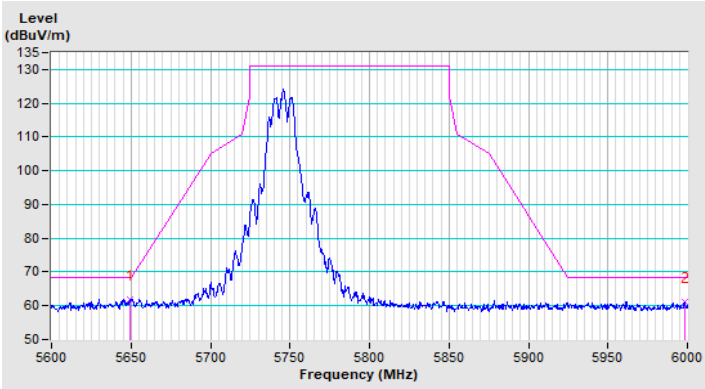
802.11a Channel 144	
	
Horizontal (Peak)	Vertical (Peak)

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

802.11a Channel 149

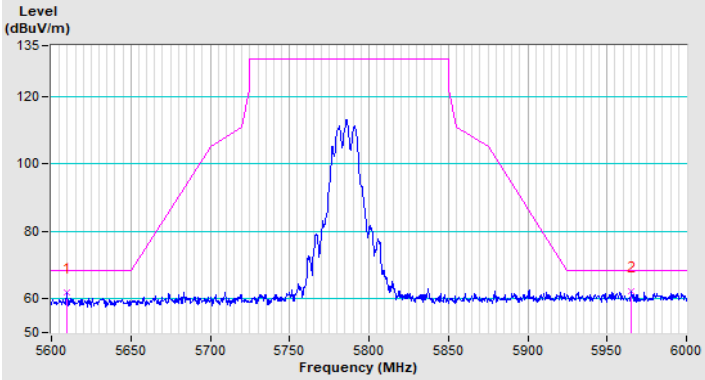


Horizontal (Peak)

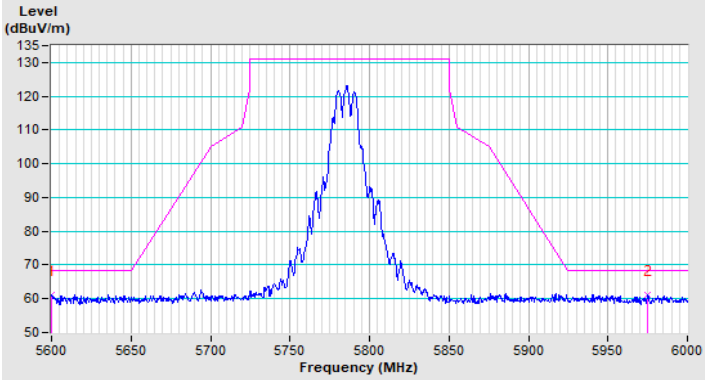


Vertical (Peak)

802.11a Channel 157

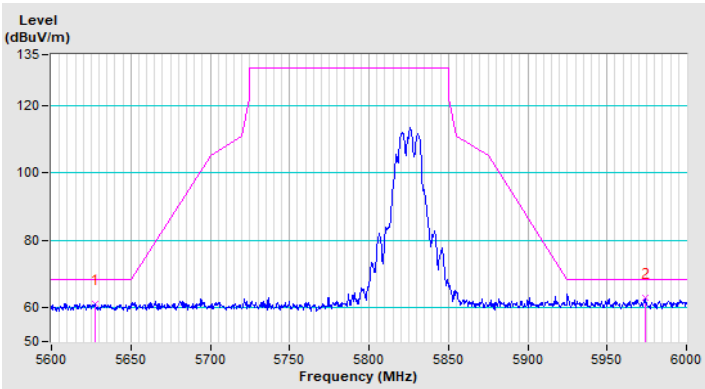


Horizontal (Peak)

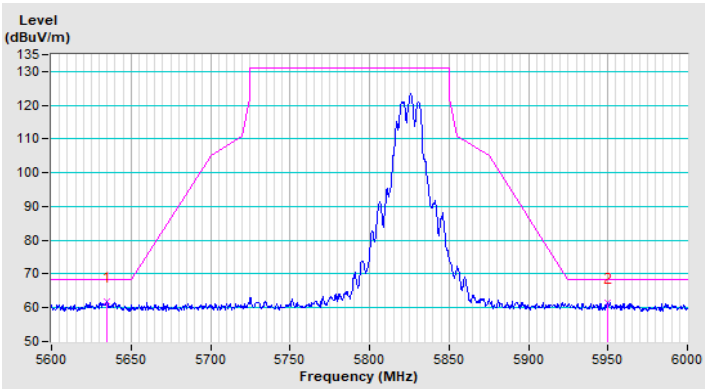


Vertical (Peak)

802.11a Channel 165



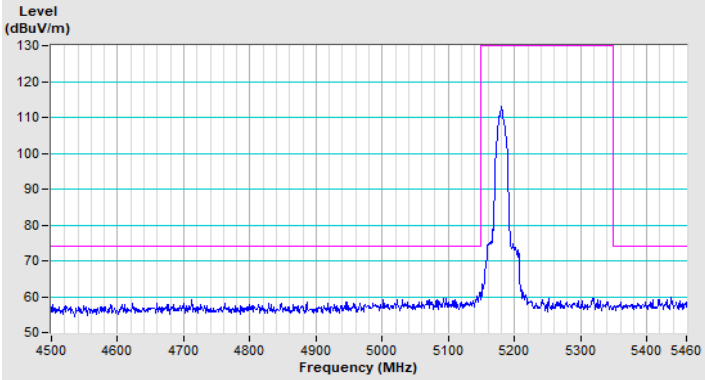
Horizontal (Peak)



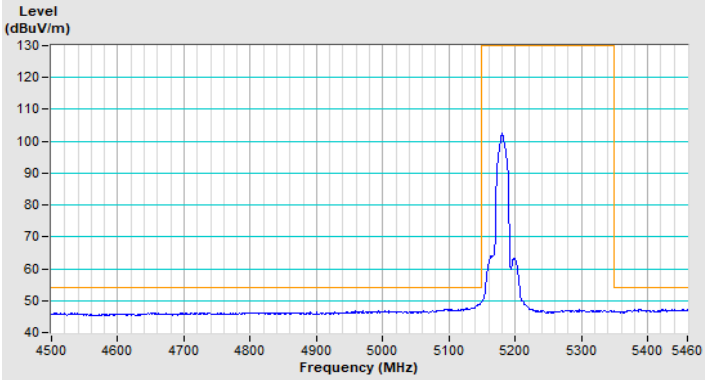
Vertical (Peak)

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

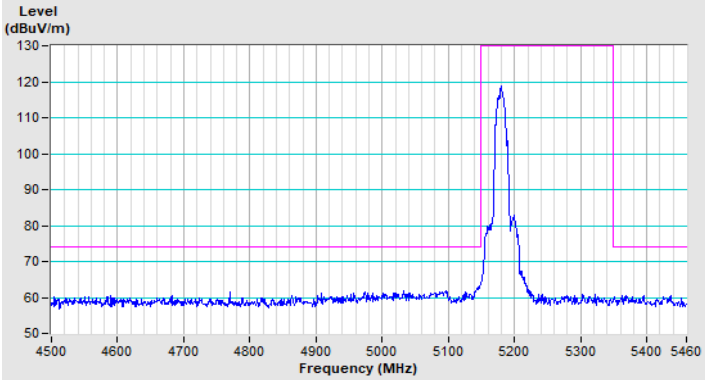
802.11be (EHT20) Channel 36



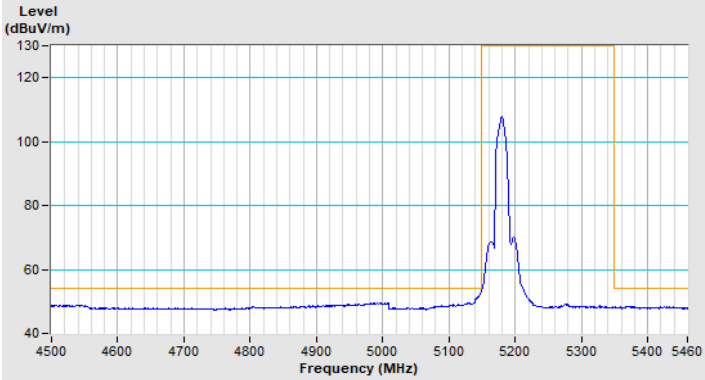
Horizontal (Peak)



Horizontal (Average)

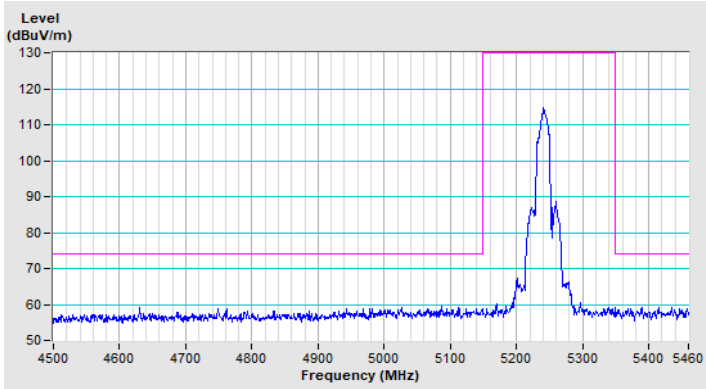


Vertical (Peak)

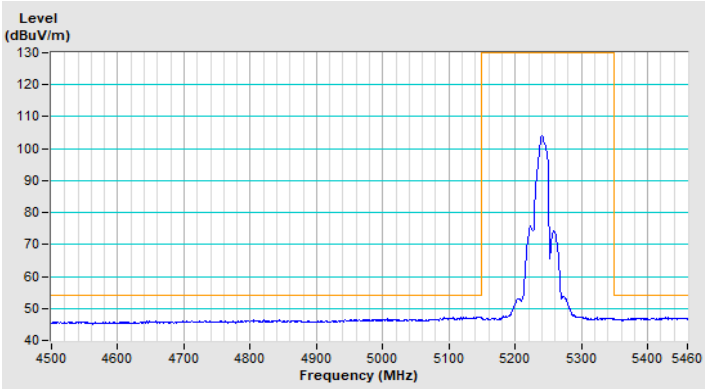


Vertical (Average)

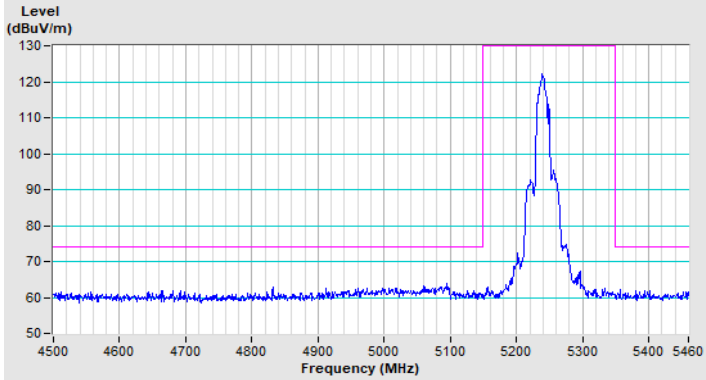
802.11be (EHT20) Channel 48



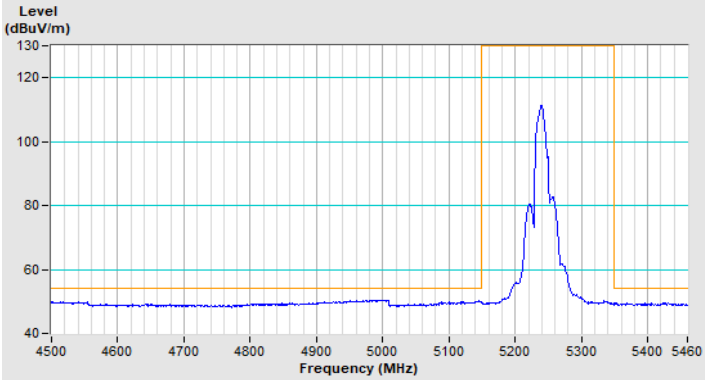
Horizontal (Peak)



Horizontal (Average)

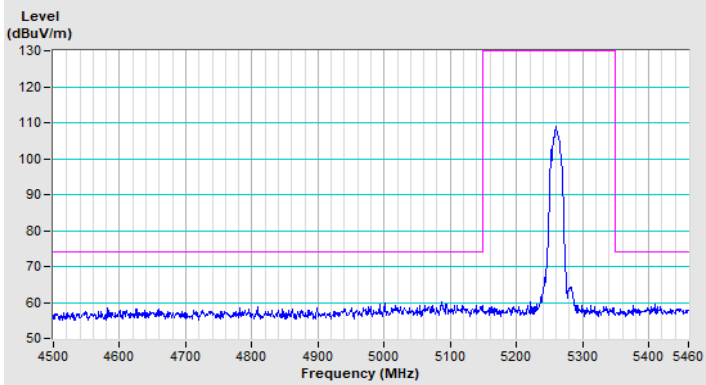


Vertical (Peak)

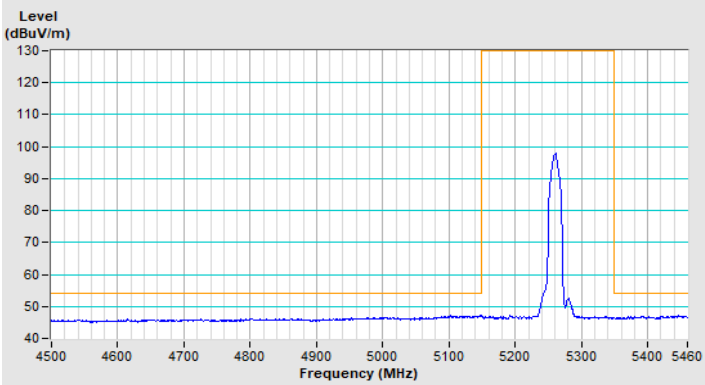


Vertical (Average)

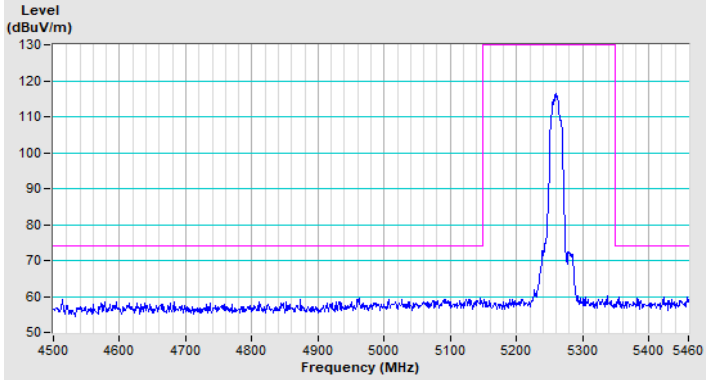
802.11be (EHT20) Channel 52



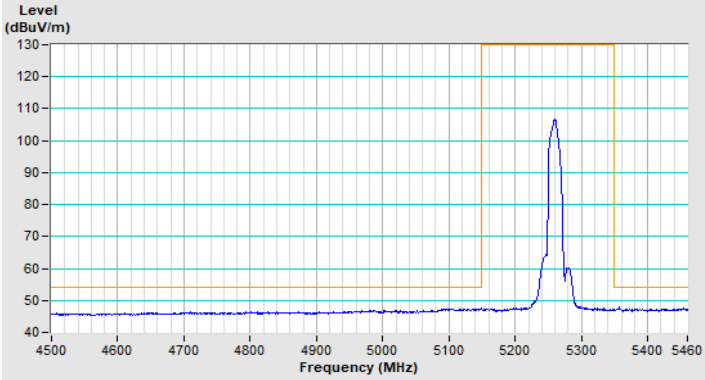
Horizontal (Peak)



Horizontal (Average)

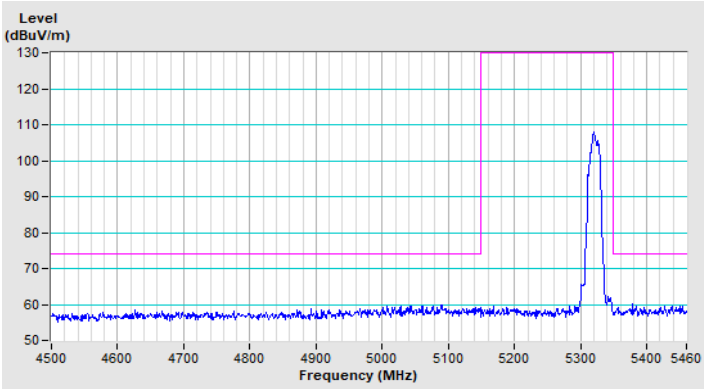


Vertical (Peak)

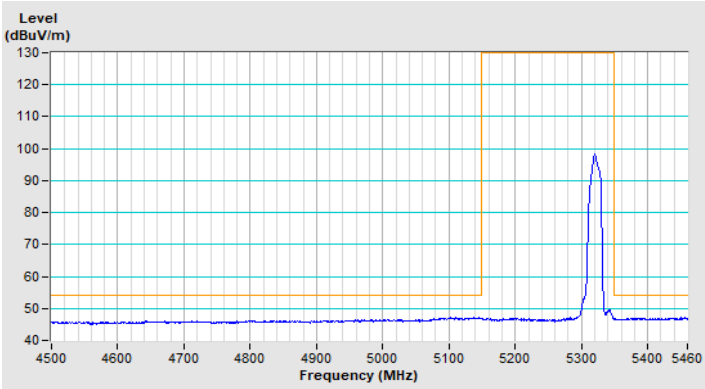


Vertical (Average)

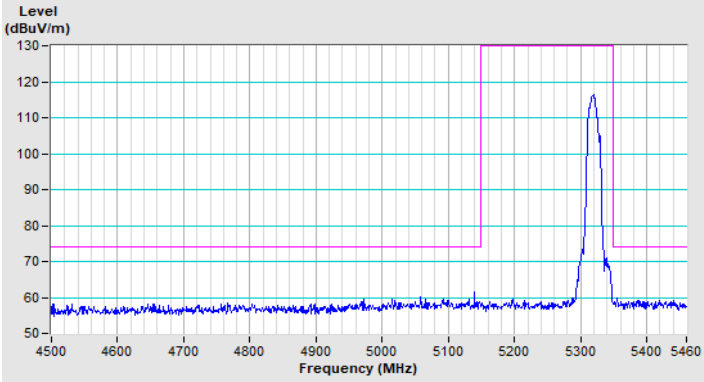
802.11be (EHT20) Channel 64



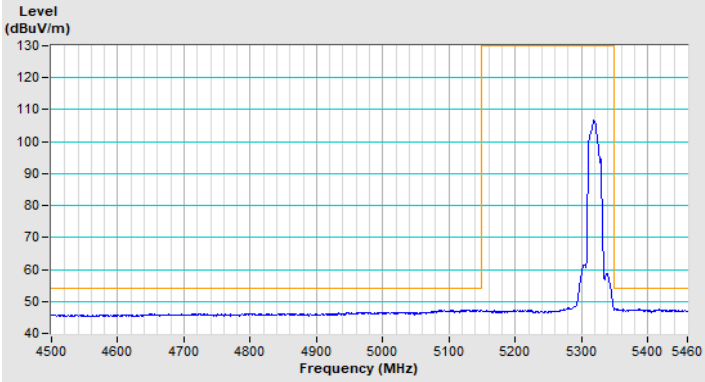
Horizontal (Peak)



Horizontal (Average)



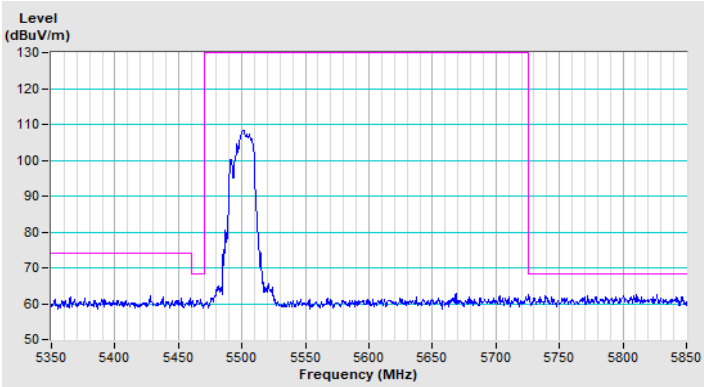
Vertical (Peak)



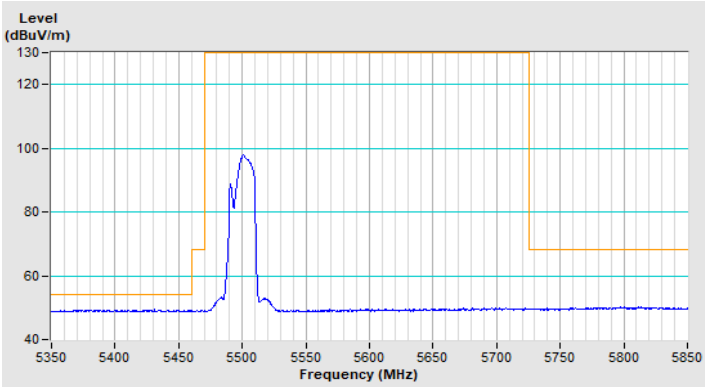
Vertical (Average)

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

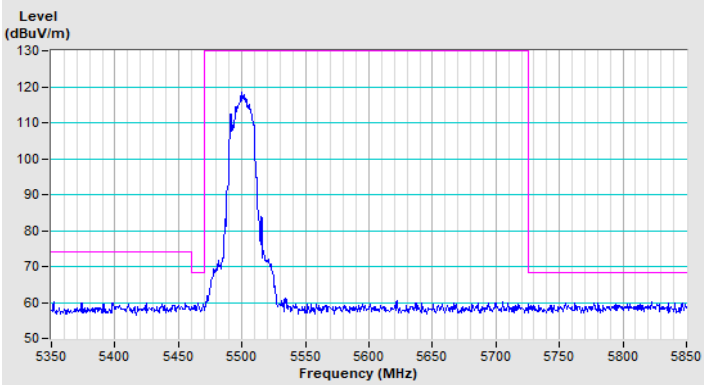
802.11be (EHT20) Channel 100



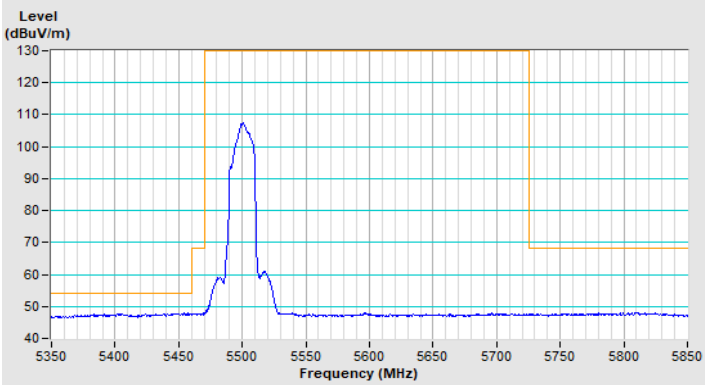
Horizontal (Peak)



Horizontal (Average)

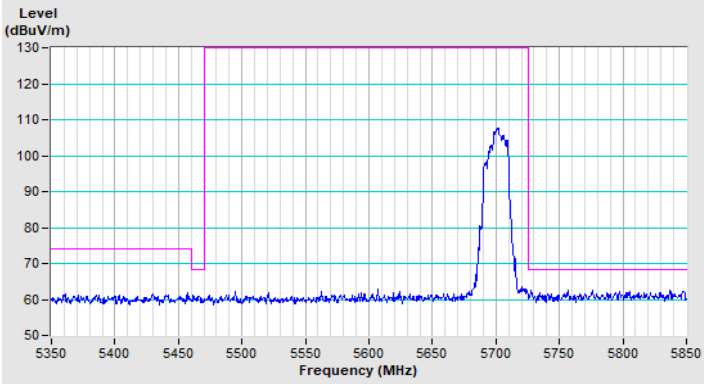


Vertical (Peak)

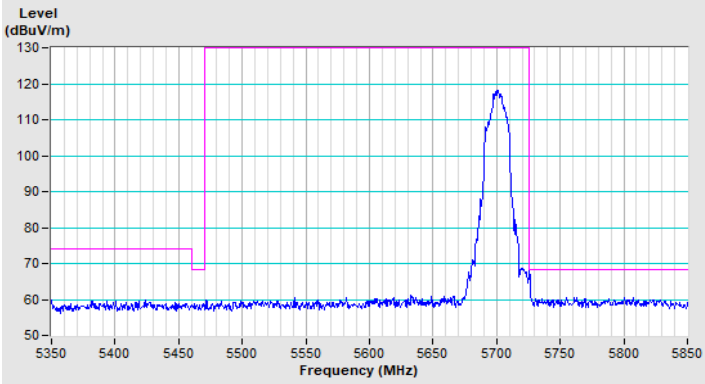


Vertical (Average)

802.11be (EHT20) Channel 140



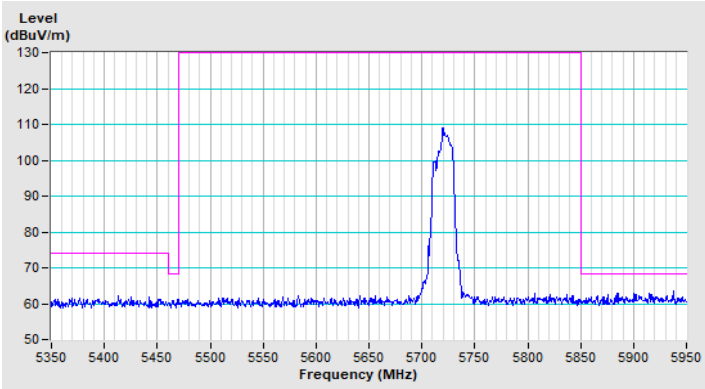
Horizontal (Peak)



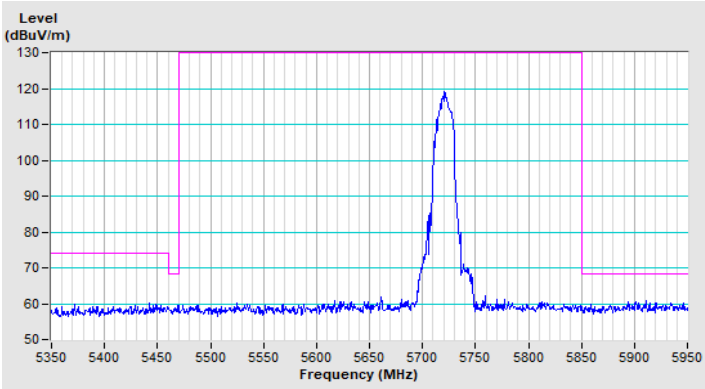
Vertical (Peak)

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

802.11be (EHT20) Channel 144



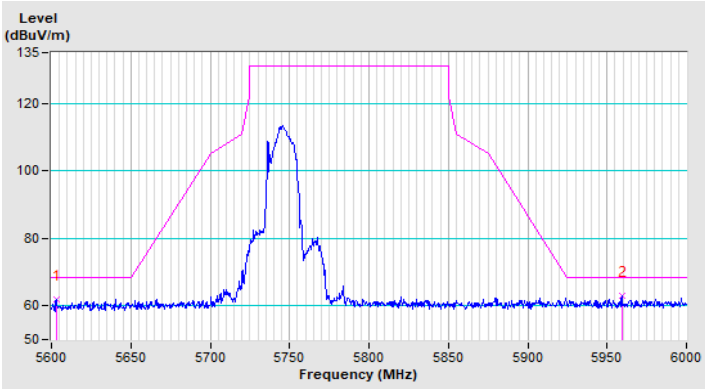
Horizontal (Peak)



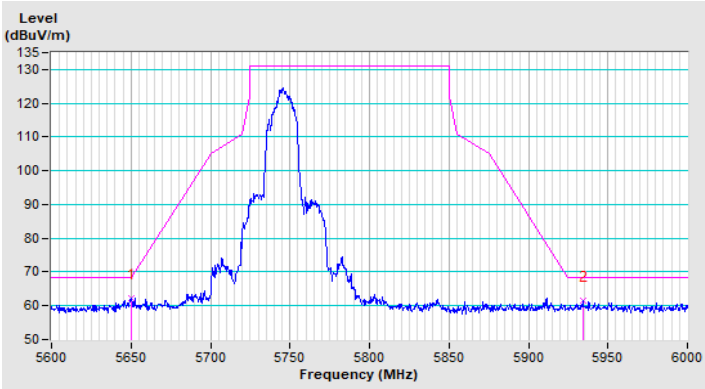
Vertical (Peak)

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

802.11be (EHT20) Channel 149

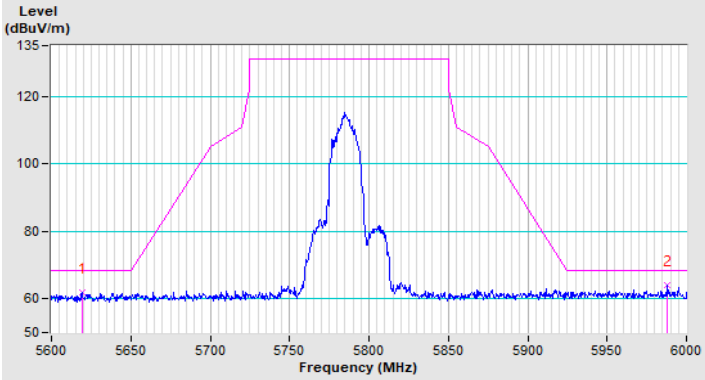


Horizontal (Peak)

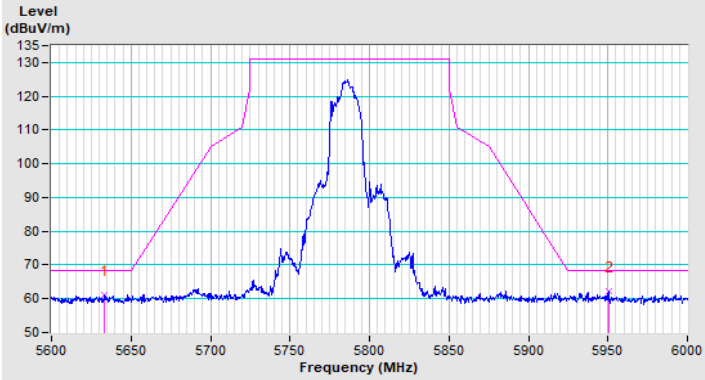


Vertical (Peak)

802.11be (EHT20) Channel 157

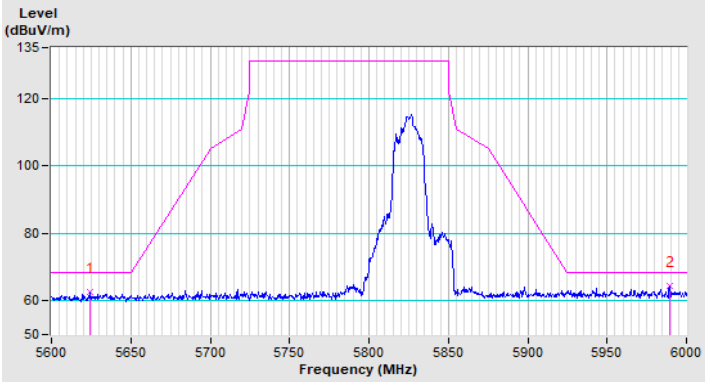


Horizontal (Peak)

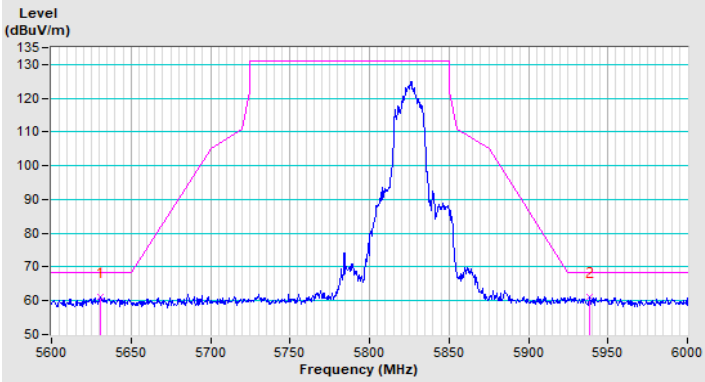


Vertical (Peak)

802.11be (EHT20) Channel 165



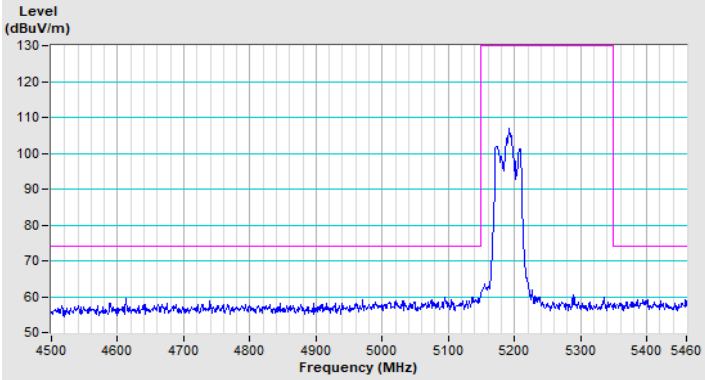
Horizontal (Peak)



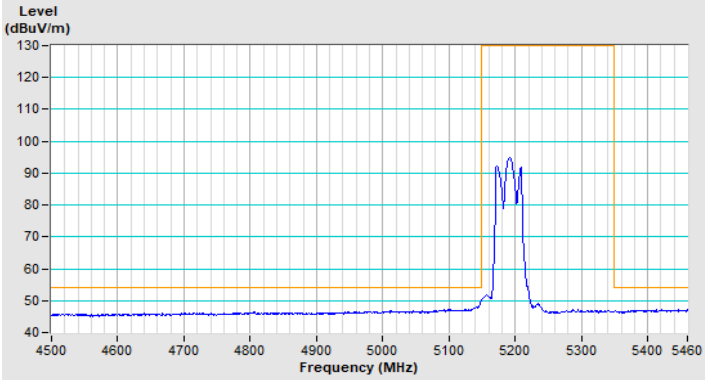
Vertical (Peak)

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

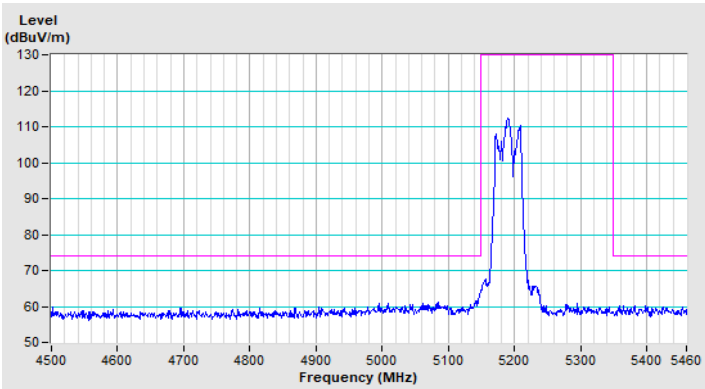
802.11be (EHT40) Channel 38



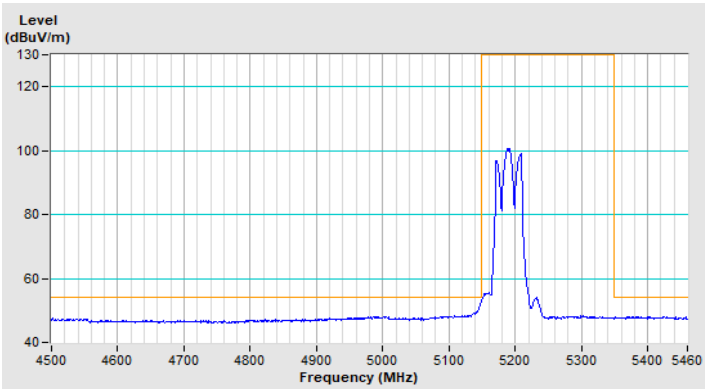
Horizontal (Peak)



Horizontal (Average)

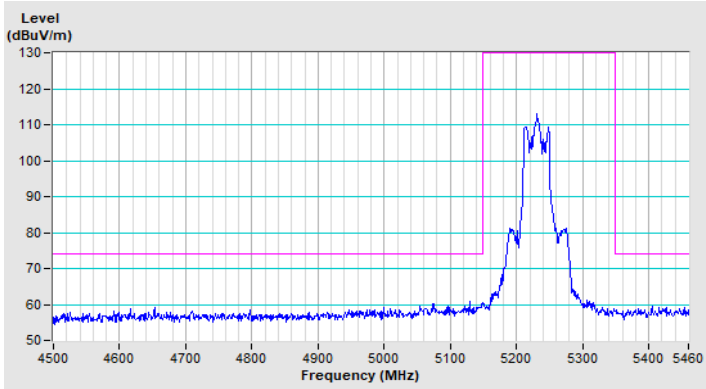


Vertical (Peak)

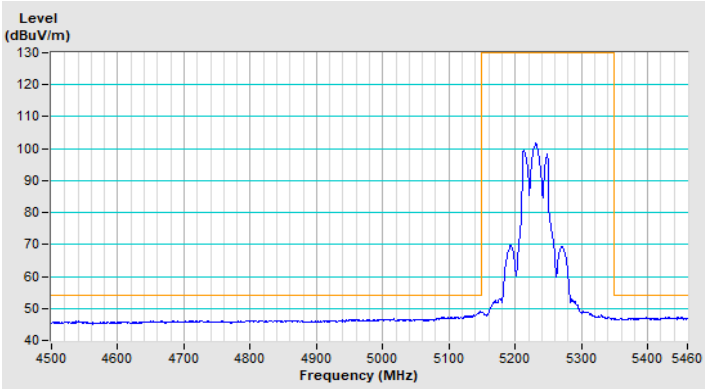


Vertical (Average)

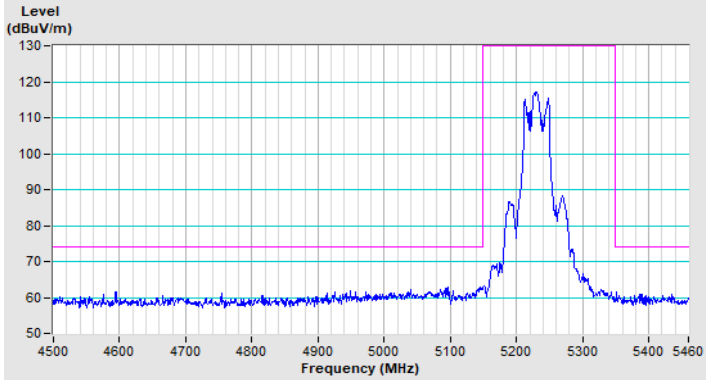
802.11be (EHT40) Channel 46



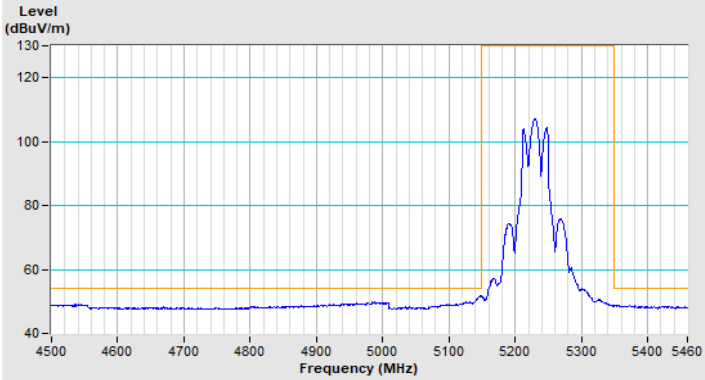
Horizontal (Peak)



Horizontal (Average)

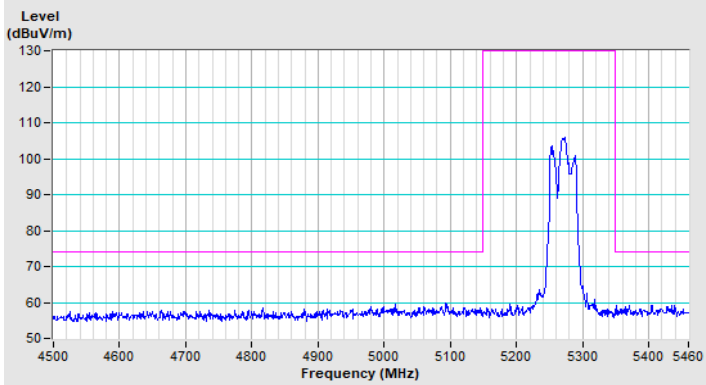


Vertical (Peak)

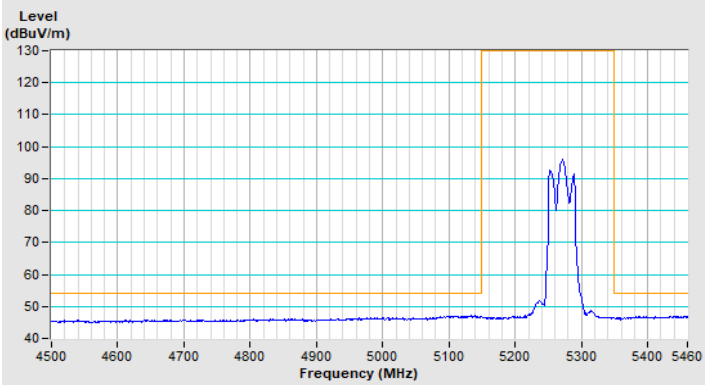


Vertical (Average)

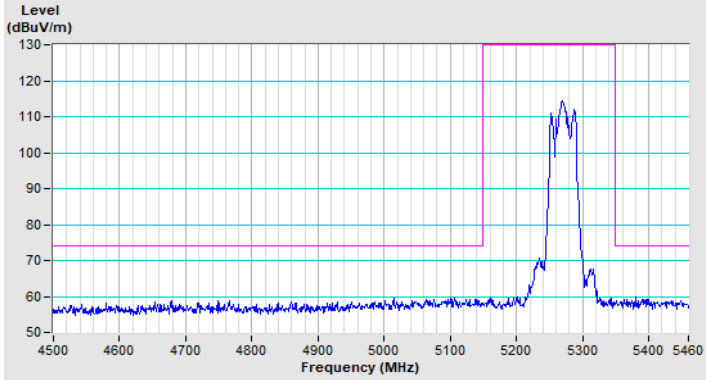
802.11be (EHT40) Channel 54



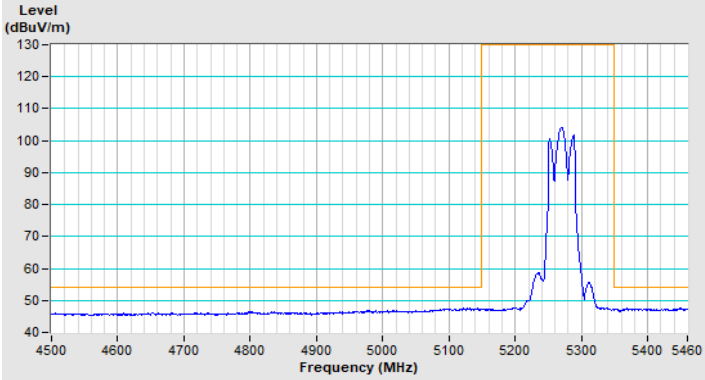
Horizontal (Peak)



Horizontal (Average)

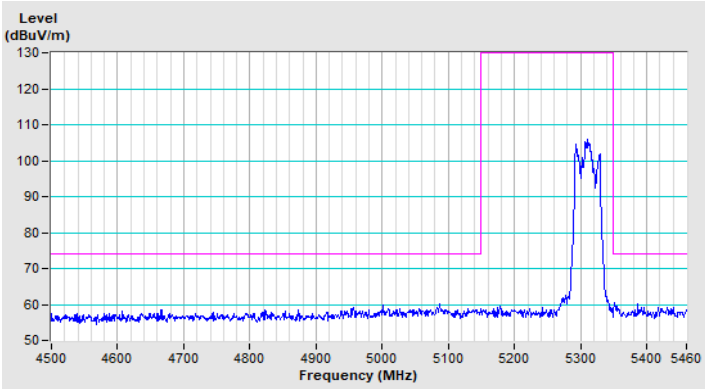


Vertical (Peak)

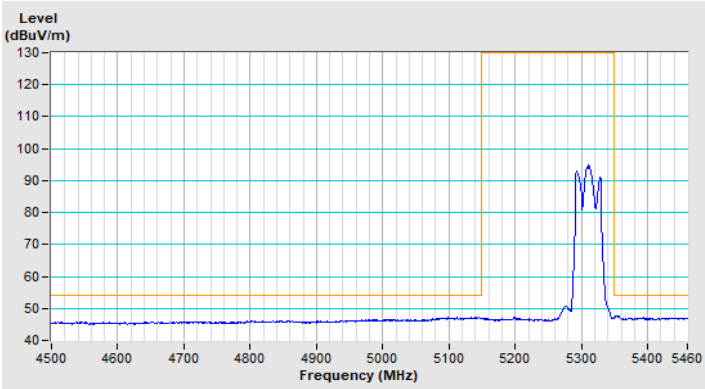


Vertical (Average)

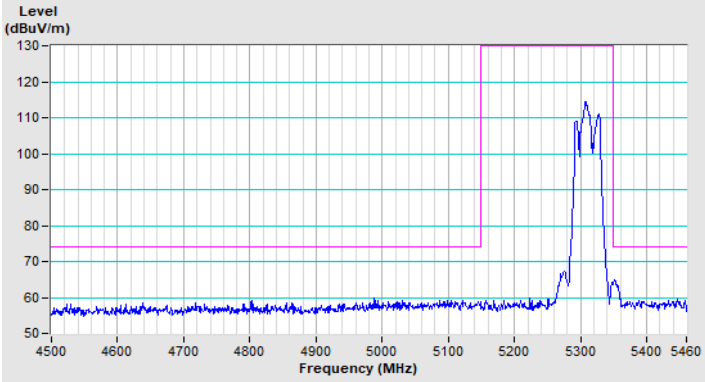
802.11be (EHT40) Channel 62



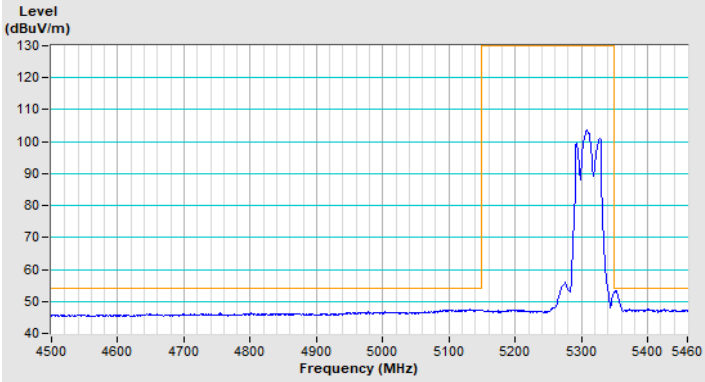
Horizontal (Peak)



Horizontal (Average)



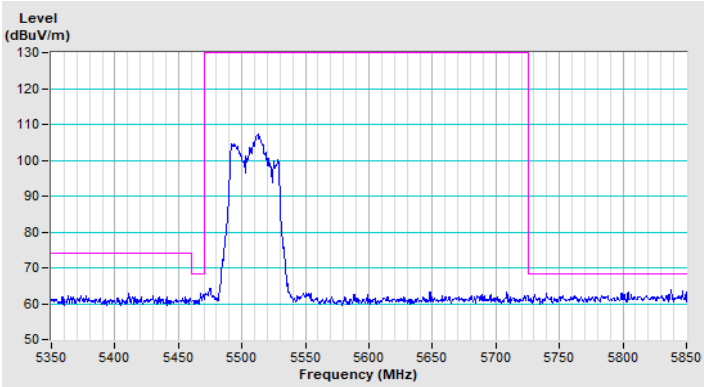
Vertical (Peak)



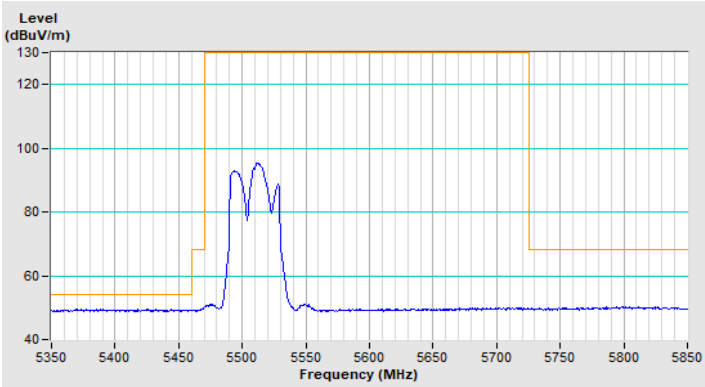
Vertical (Average)

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

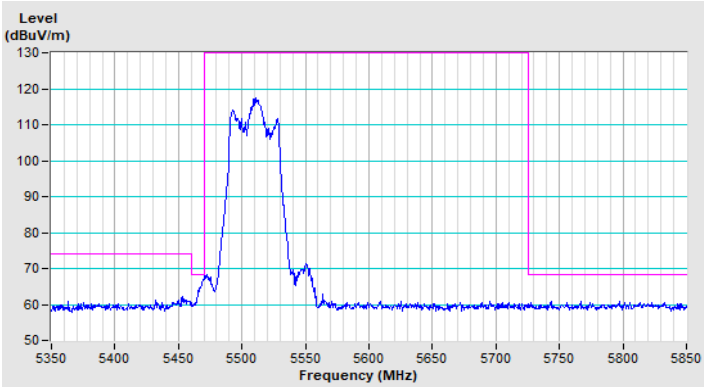
802.11be (EHT40) Channel 102



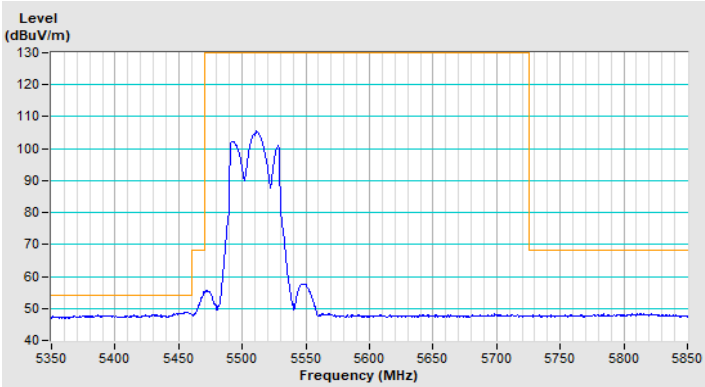
Horizontal (Peak)



Horizontal (Average)

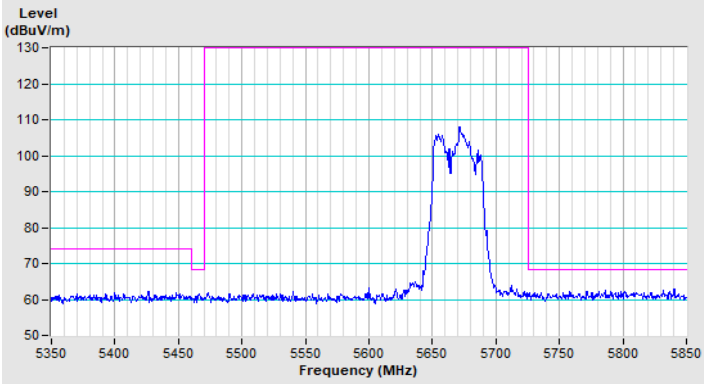


Vertical (Peak)

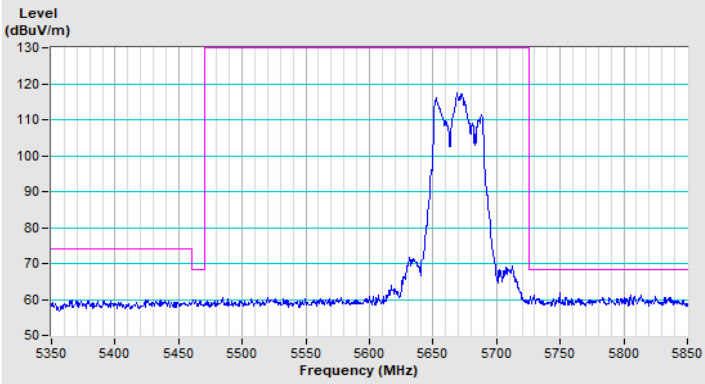


Vertical (Average)

802.11be (EHT40) Channel 134



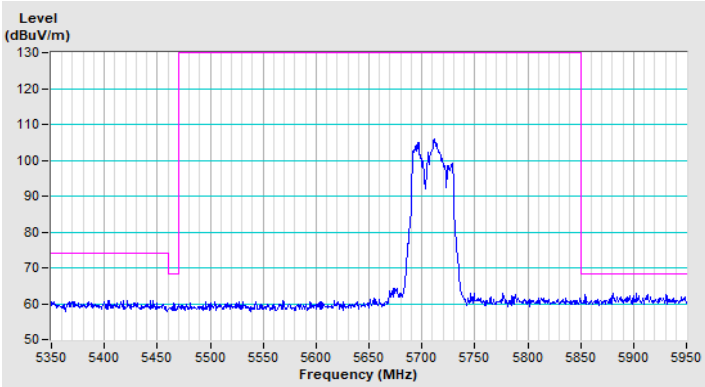
Horizontal (Peak)



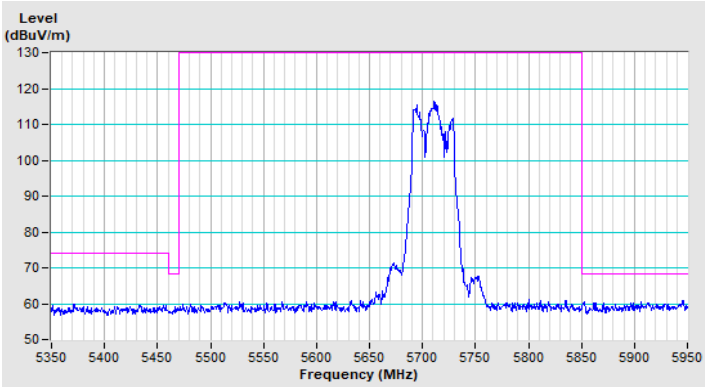
Vertical (Peak)

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

802.11be (EHT40) Channel 142



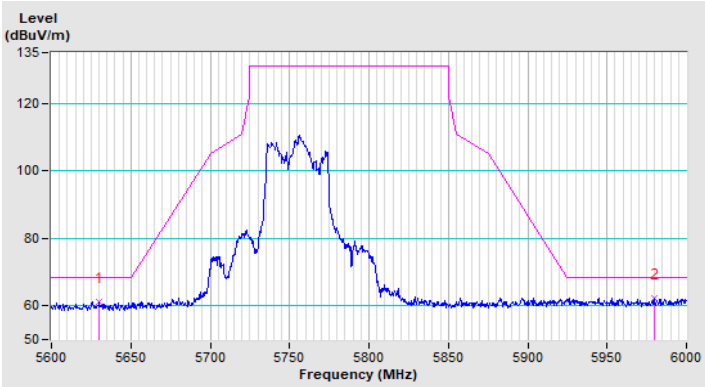
Horizontal (Peak)



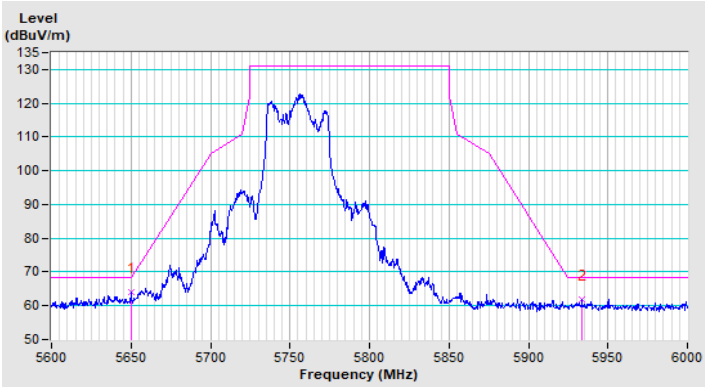
Vertical (Peak)

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

802.11be (EHT40) Channel 151

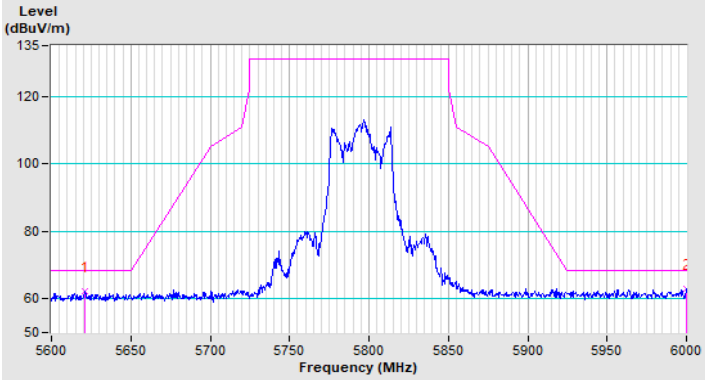


Horizontal (Peak)

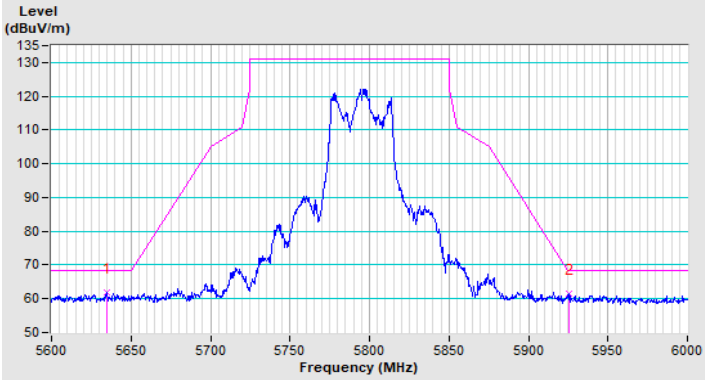


Vertical (Peak)

802.11be (EHT40) Channel 159



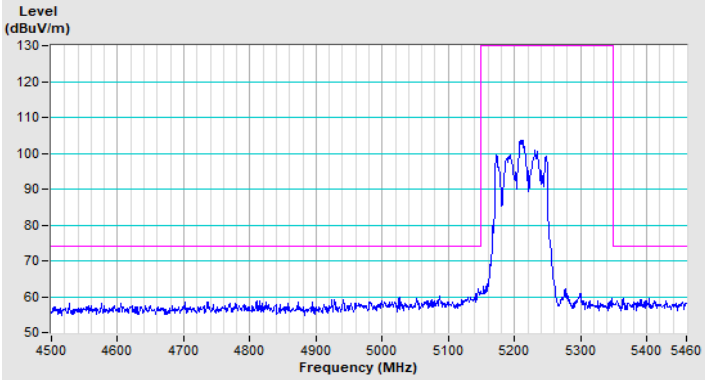
Horizontal (Peak)



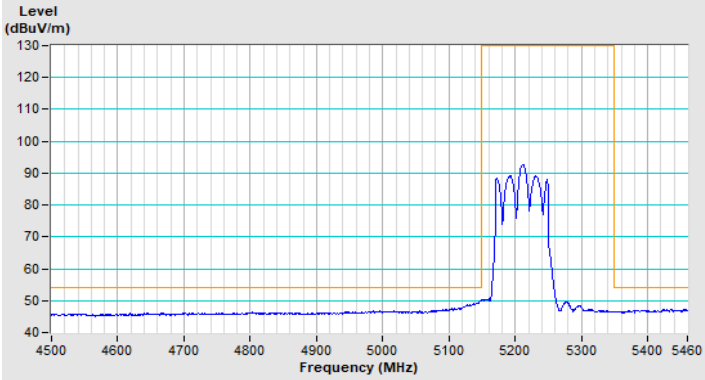
Vertical (Peak)

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

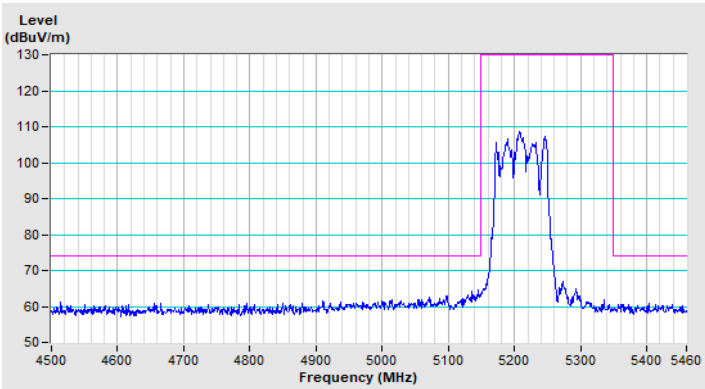
802.11be (EHT80) Channel 42



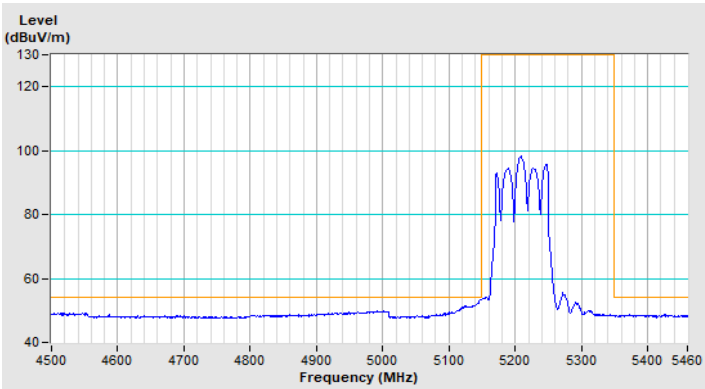
Horizontal (Peak)



Horizontal (Average)

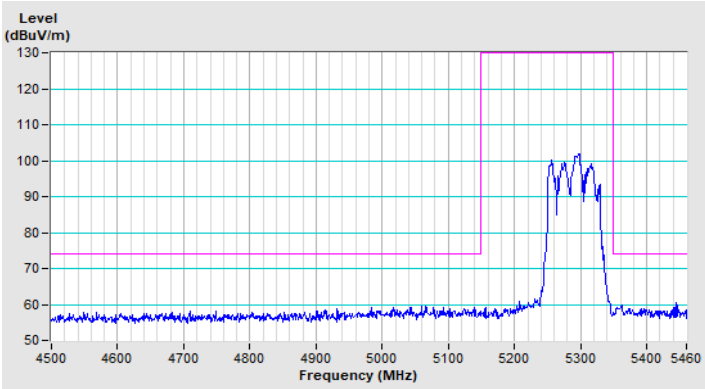


Vertical (Peak)

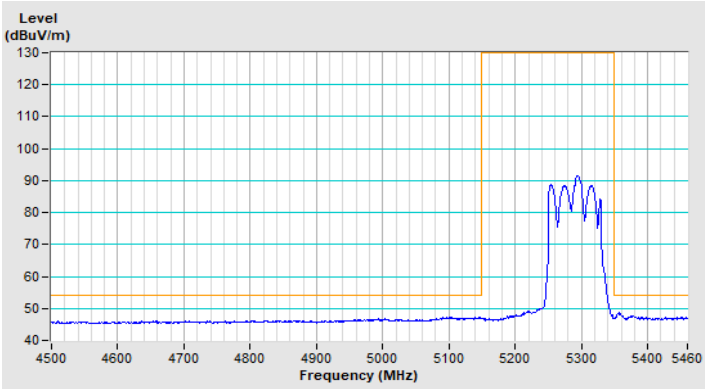


Vertical (Average)

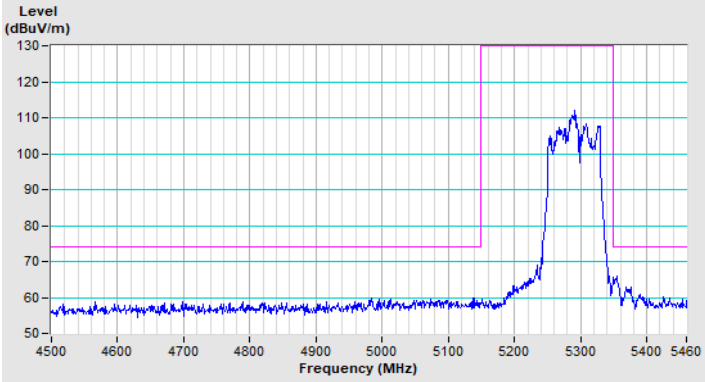
802.11be (EHT80) Channel 58



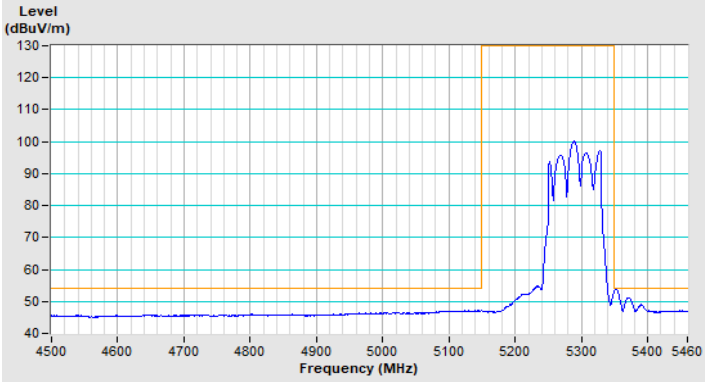
Horizontal (Peak)



Horizontal (Average)



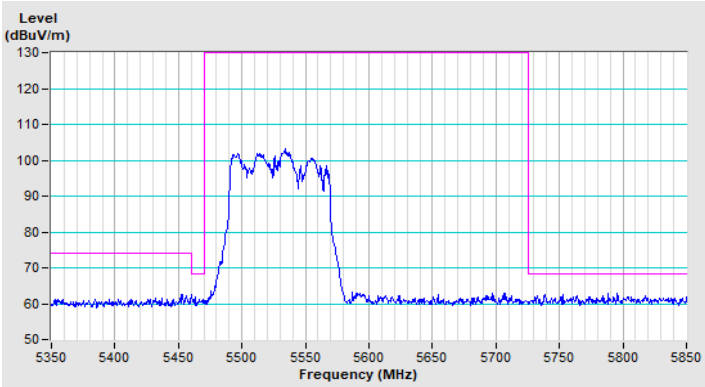
Vertical (Peak)



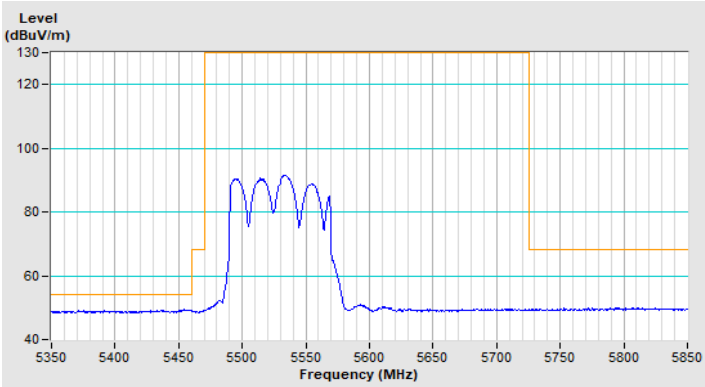
Vertical (Average)

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

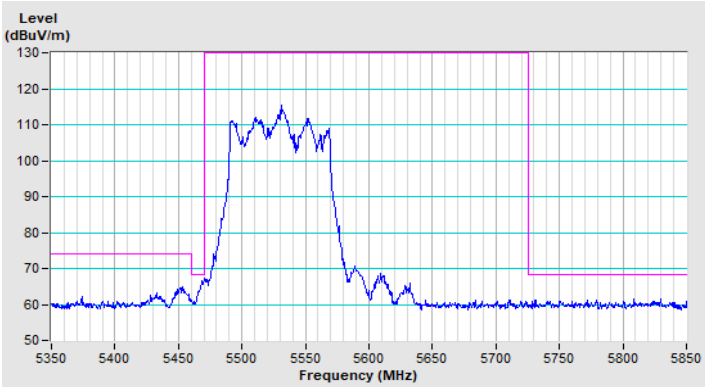
802.11be (EHT80) Channel 106



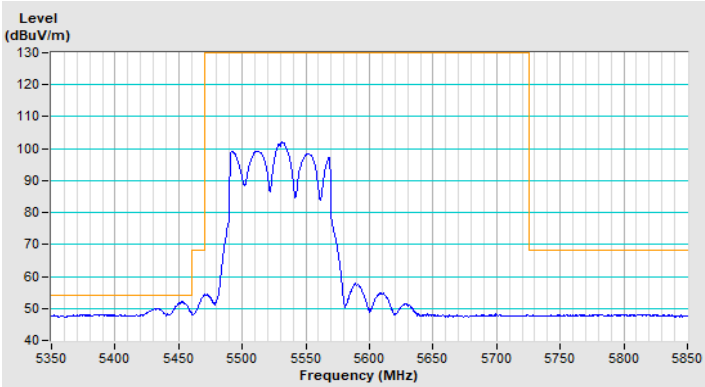
Horizontal (Peak)



Horizontal (Average)

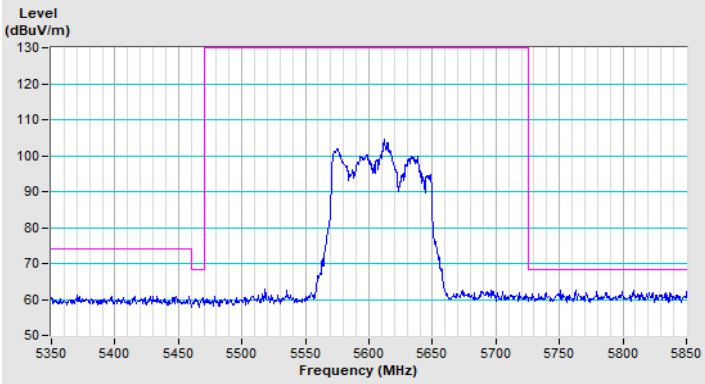


Vertical (Peak)

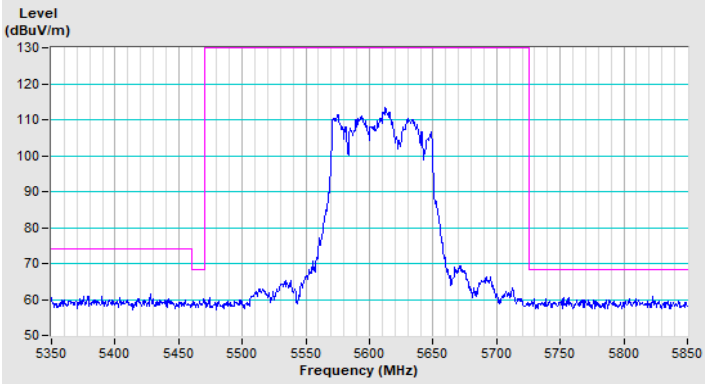


Vertical (Average)

802.11be (EHT80) Channel 122



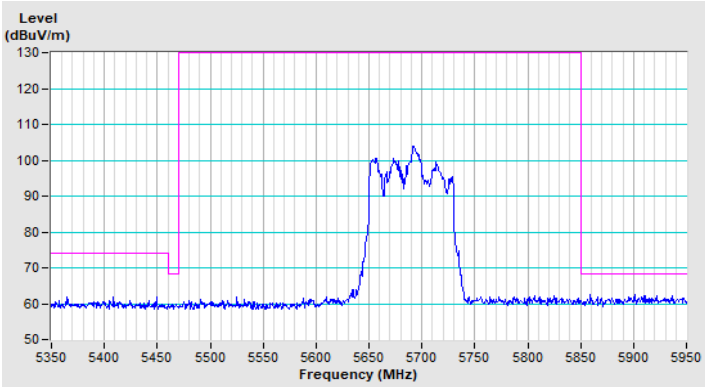
Horizontal (Peak)



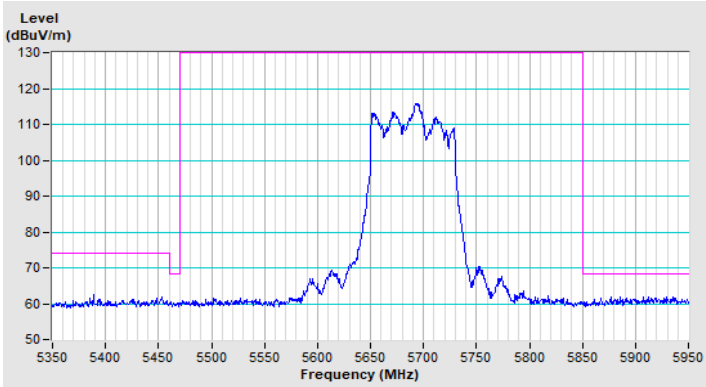
Vertical (Peak)

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

802.11be (EHT80) Channel 138

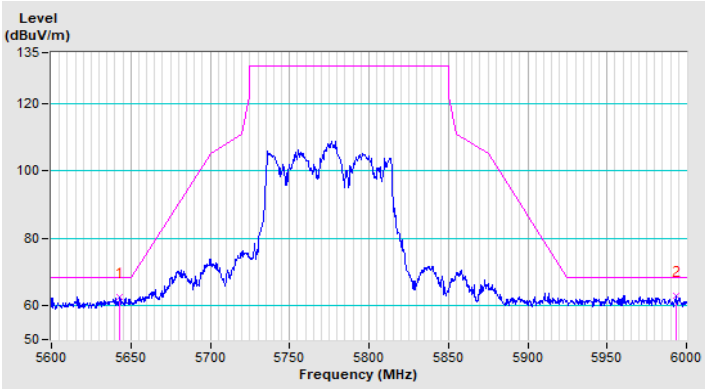
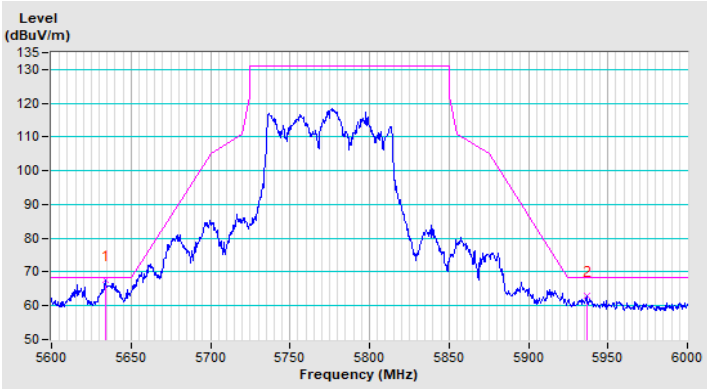


Horizontal (Peak)



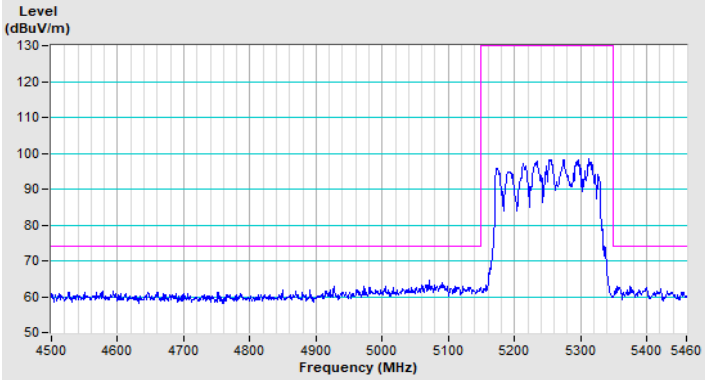
Vertical (Peak)

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

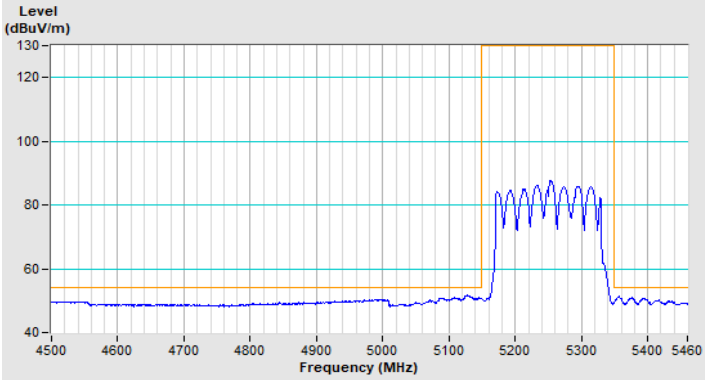
802.11be (EHT80) Channel 155	
	
Horizontal (Peak)	Vertical (Peak)

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

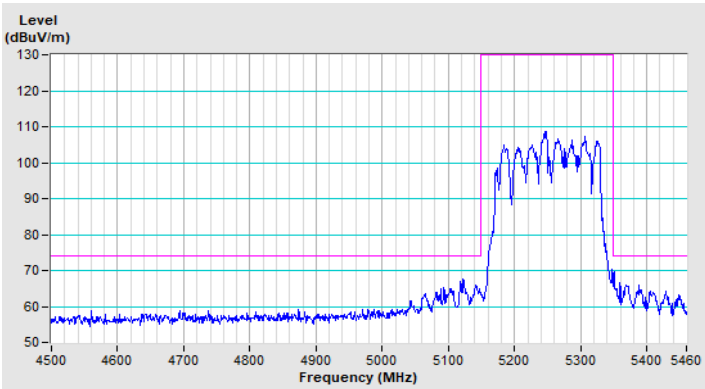
802.11be (EHT160) Channel 50



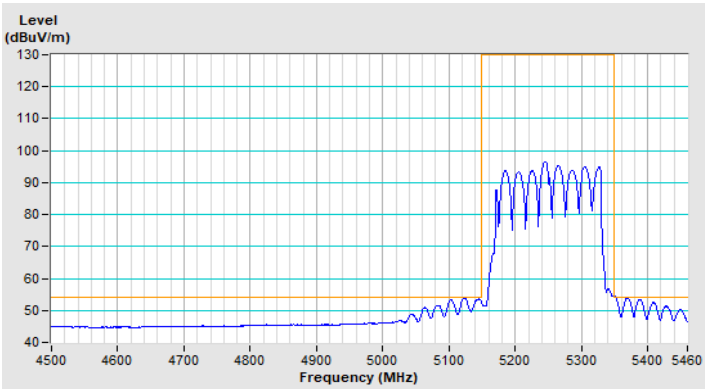
Horizontal (Peak)



Horizontal (Average)



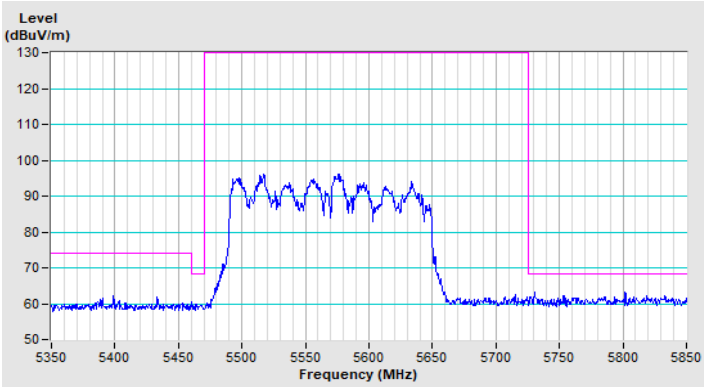
Vertical (Peak)



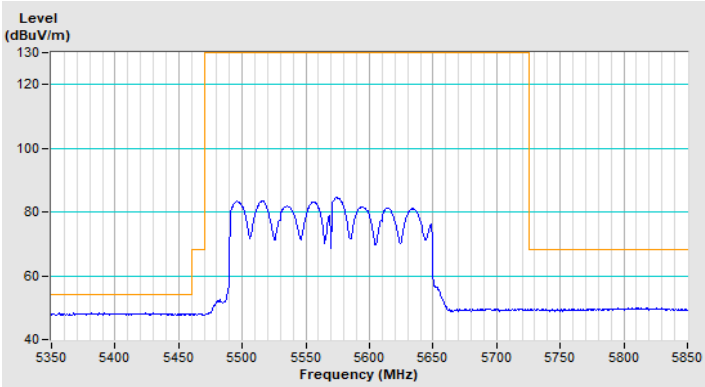
Vertical (Average)

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

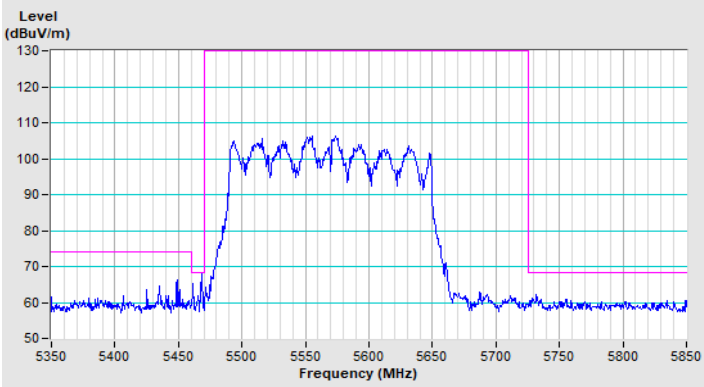
802.11be (EHT160) Channel 114



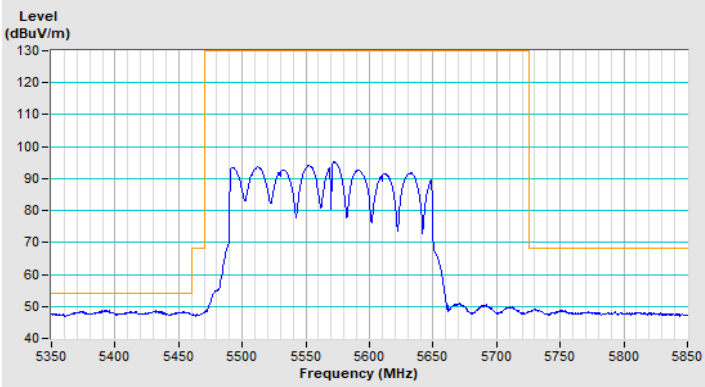
Horizontal (Peak)



Horizontal (Average)



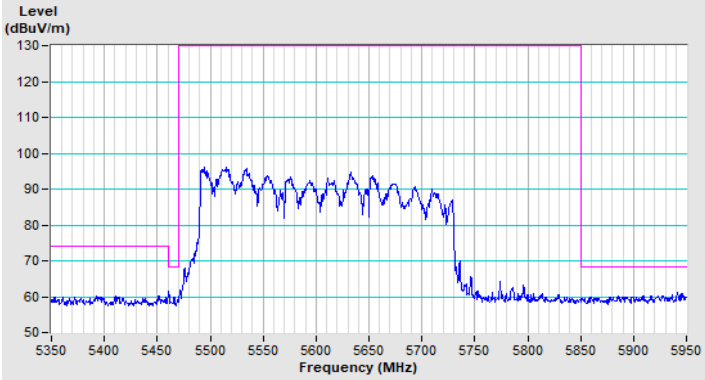
Vertical (Peak)



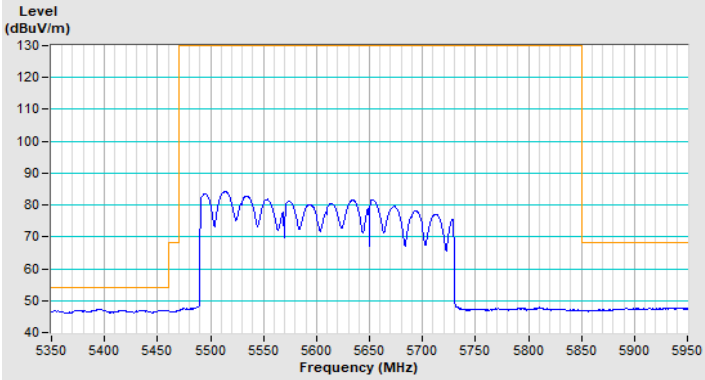
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

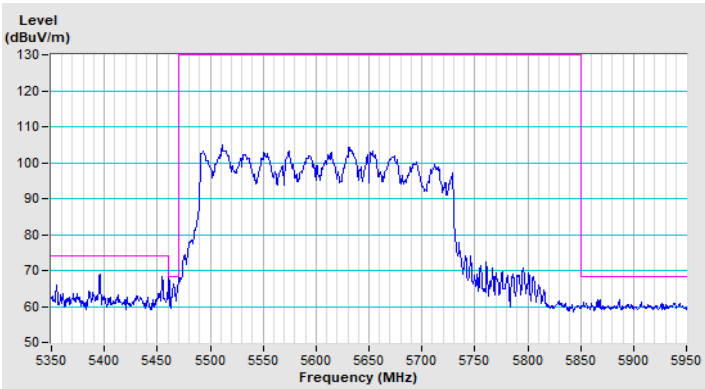
802.11be (EHT240) Channel 114+138



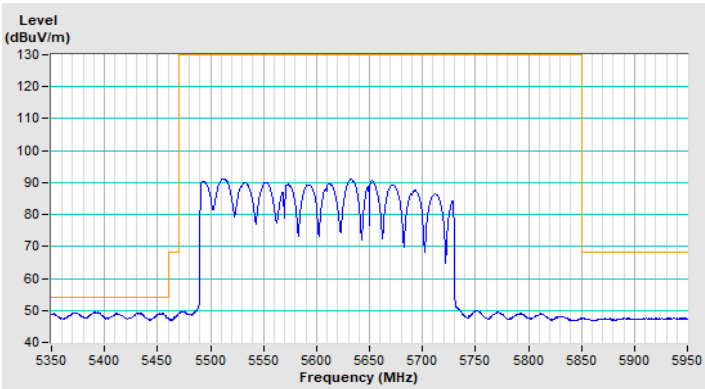
Horizontal (Peak)



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

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

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