

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBBQZ-WTW-P23070188-1

FCC ID: PY323200598

Product: Orbi WiFi 7 Router, Orbi WiFi 7 Satellite
(Refer to item 3.1 for the more details)

Brand: NETGEAR

Model No.: RBE771

Series Model: RBE770 (Refer to item 3.1 for the more details)

Received Date: 2023/7/11

Test Date: 2023/8/24 ~ 2024/1/18

Issued Date: 2024/3/22

Applicant and Manufacturer: NETGEAR, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003

Designation Number:

Approved by:

Jeremy Lin

Date:

2024/3/22

Jeremy Lin / Project Engineer

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Prepared by : Vera Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P23070188-1	Original Release	2024/3/22

1 Certificate

Product: Orbi WiFi 7 Router, Orbi WiFi 7 Satellite
(Refer to item 3.1 for the more details)

Brand: NETGEAR

Test Model: RBE771

Series Model: RBE770 (Refer to item 3.1 for the more details)

Sample Status: Engineering Sample

Applicant and Manufacturer: NETGEAR, Inc.

Test Date: 2023/8/24 ~ 2024/1/18

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	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -15.42 dB at 0.27786 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.3 dB at 51.09 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 5643.20 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 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 WiFi 7 Router, Orbi WiFi 7 Satellite
Brand	NETGEAR
Test Model	RBE771
Series Model	RBE770
Model Difference	Refer to Note
Status of EUT	Engineering Sample
Power Supply Rating	Refer to Note as below
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode 4096QAM for OFDMA in 11be EHT mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 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	5180 ~ 5320 MHz 5500 ~ 5720 MHz 5745 ~ 5825 MHz
Number of Channel	5180 ~ 5320 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 4 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 2 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 1 5500 ~ 5720 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 6 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 3 802.11ac (VHT160), 802.11ax (HE160), 802.11 be (EHT160): 1 802.11 be (EHT240): 1 5745 ~ 5825 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11 be (EHT40): 2 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 1
Output Power	CDD Mode: 5180 ~ 5320 MHz : 836.868 mW (29.23 dBm) 5500 ~ 5720 MHz : 212.5 mW (23.27 dBm) 5745 ~ 5825 MHz : 885.461 mW (29.47 dBm) Beamforming Mode: 5180 ~ 5320 MHz : 828.157 mW (29.18 dBm) 5500 ~ 5720 MHz : 205.871 mW (23.14 dBm) 5745 ~ 5825 MHz : 765.658 mW (28.84 dBm)
EUT Category	Indoor Access Point

Note:

1. All models are listed as below.

Brand	Product	Model	Difference
NETGEAR	Orbi WiFi 7 Router	RBE771	Four 2.5G Ethernet ports (1 WAN + 3 LAN)
	Orbi WiFi 7 Satellite	RBE770	Two 2.5G Ethernet ports (2 LAN)

2. The EUT uses following accessories.

AC Adapter 1	Brand	NETGEAR
	Model	ADS-40FPC-12 12030E
	Part Number	332-11700-01
	AC Input	100-240V, ~50/60Mhz Max. 1.0A
	DC Output	12V, 2.5A
	DC Output Cable	1.8m non-shielded and without core
	Plug	US/EU/AU
	Color	White
AC Adapter 2	Brand	NETGEAR
	Model	2AED030FC
	Part Number	332-11713-01
	AC Input	100-240V, ~50/60Mhz Max. 1.0A
	DC Output	12V, 2.5A 30W
	DC Output Cable	1.8m non-shielded and without core
	Plug	US/EU/AU
	Color	White
AC Adapter 3	Brand	NETGEAR
	Model	AD2150F10
	Part Number	332-11093-02
	AC Input	100-120V, ~50/60Mhz Max. 1.0A
	DC Output	12V, 3.5A
	DC Output Cable	1.8m non-shielded and without core
	Plug	US
	Color	White
AC Adapter 4	Brand	NETGEAR
	Model	AD2150M20
	Part Number	332-11099-06
	AC Input	100-240V, ~50/60Mhz Max. 1.0A
	DC Output	12V, 3.5A 42W
	DC Output Cable	1.8m non-shielded and without core
	Plug	US
	Color	White
AC Adapter 5	Brand	NETGEAR
	Model	AD2150M20
	Part Number	332-11099-05
	AC Input	100-240V, ~50/60Mhz Max. 1.0A
	DC Output	12V, 3.5A 42W
	DC Output Cable	1.8m non-shielded and without core
	Plug	US, EU, AU
	Color	White

AC Adapter 6	Brand	NETGEAR
	Model	ADS-40FPC-12 12030E
	Part Number	332-11699-01
	AC Input	100-240V, ~50/60Mhz Max. 1.0A
	DC Output	12V, 2.5A
	DC Output Cable	1.8m non-shielded and without core
	Plug	US, EU
	Color	Black
AC Adapter 7	Brand	NETGEAR
	Model	2AED030FC
	Part Number	332-11712-01
	AC Input	100-240V, ~50/60Mhz Max. 1.0A
	DC Output	12V, 2.5A 30W
	DC Output Cable	1.8m non-shielded and without core
	Plug	US, EU
	Color	Black
Ethernet Cable	Brand	NETGEAR
	Model	312-10133-01
	Signal Line	2m, Unshielded

* After pretesting, Adapter 1 was the worst case and chosen for final test.

* The design of Adapter 1 and Adapter 6 are identical. The difference between them is Exterior color.

* The design of Adapter 2 and Adapter 7 are identical. The difference between them is Exterior color.

* The design of Adapter 4 and Adapter 5 are identical. The difference between them are Adapter 4 is adding more safety logos on the rating label.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type	Connector Type	Frequency Range	Antenna Gain (dBi)	
			Chain 0	Chain 1
Dipole	ipex(MHF)	2400~2483.5 MHz	2.34	2.71
Dipole	ipex(MHF)	5150~5250 MHz	3.26	3.40
Dipole	ipex(MHF)	5250~5350 MHz	3.59	3.72
Dipole	ipex(MHF)	5470~5725 MHz	3.81	3.83
Dipole	ipex(MHF)	5725~5850 MHz	4.22	4.04

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a MIMO function:

5 GHz Band			
Modulation Mode	Beamforming Mode	TX & RX Configuration	
802.11a	Not Support	2TX	2RX
802.11n (HT20)	Support	2TX	2RX
802.11n (HT40)	Support	2TX	2RX
802.11ac (VHT20)	Support	2TX	2RX
802.11ac (VHT40)	Support	2TX	2RX
802.11ac (VHT80)	Support	2TX	2RX
802.11ac (VHT160)	Support	2TX	2RX
802.11ax (HE20)	Support	2TX	2RX
802.11ax (HE40)	Support	2TX	2RX
802.11ax (HE80)	Support	2TX	2RX
802.11ax (HE160)	Support	2TX	2RX
802.11be (EHT20)	Support	2TX	2RX
802.11be (EHT40)	Support	2TX	2RX
802.11be (EHT80)	Support	2TX	2RX
802.11be (EHT160)	Support	2TX	2RX
802.11be (EHT240)	Support	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, 240 MHz), therefore the investigated worst case to representative mode in test report.
4. The EUT device modulation technique OFDMA does not support partial RUs (resource units) and channel puncturing/bandwidth reduction mechanisms.

3.3 Channel List

For 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

For 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

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

Channel	Frequency
114+138	5610 MHz

For 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	The AC Adapter has the following models: ADS-40FPC-12 12030E / 2AED030FC / AD2150F10 / AD2150M20. Pre-scan these models of AC Adapters and find the worst case as a representative test condition.
Worst Case:	1. AC Adapter Worst Condition: ADS-40FPC-12 12030E 2. The EUT is usually used standing that and was therefore chosen for Unwanted Emissions.

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11be (EHT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11be (EHT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11be (EHT80)	CDD	58, 106, 122, 138	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
RF Output Power	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD & Beamforming	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD & Beamforming	114+138	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Power Spectral Density	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
6 dB Bandwidth	A	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	138, 155	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
Occupied Bandwidth	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Frequency Stability	A	802.11a	-	36	un-modulation	-
AC Power Conducted Emissions	A, B	802.11a	CDD	157	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B	802.11a	CDD	157	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
EUT Configure Mode:	A	EUT (Model: RBE771) powered by Adapter 1				
	B	EUT (Model: RBE770) powered by Adapter 1				

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 1.985 ms / 1.99 ms x 100% = 99.7%

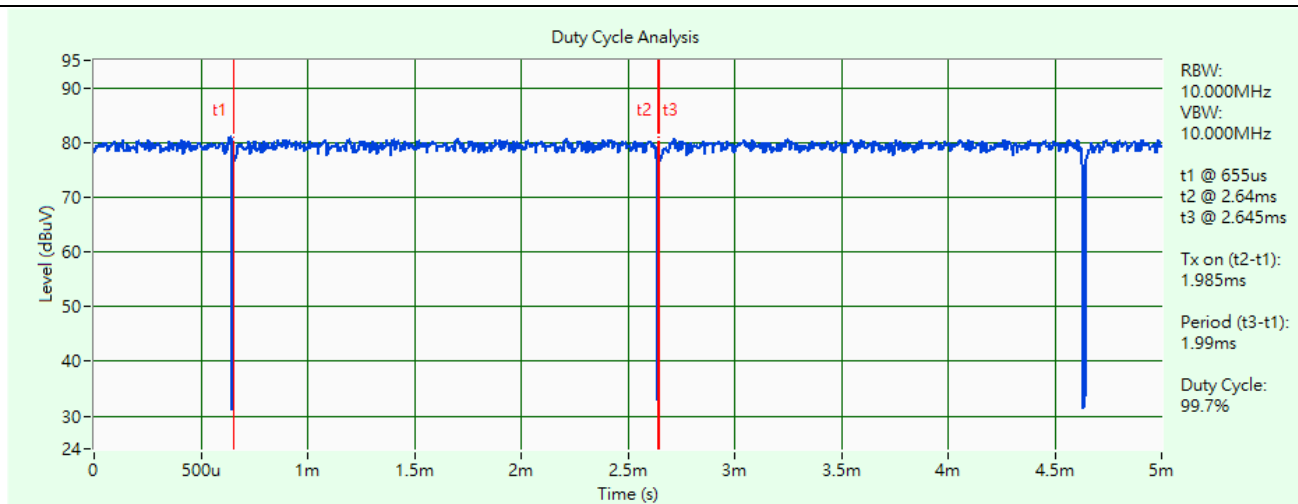
802.11be (EHT20): Duty cycle = 2.88 ms / 2.896 ms x 100% = 99.4%

802.11be (EHT40): Duty cycle = 2.856 ms / 2.872 ms x 100% = 99.4%

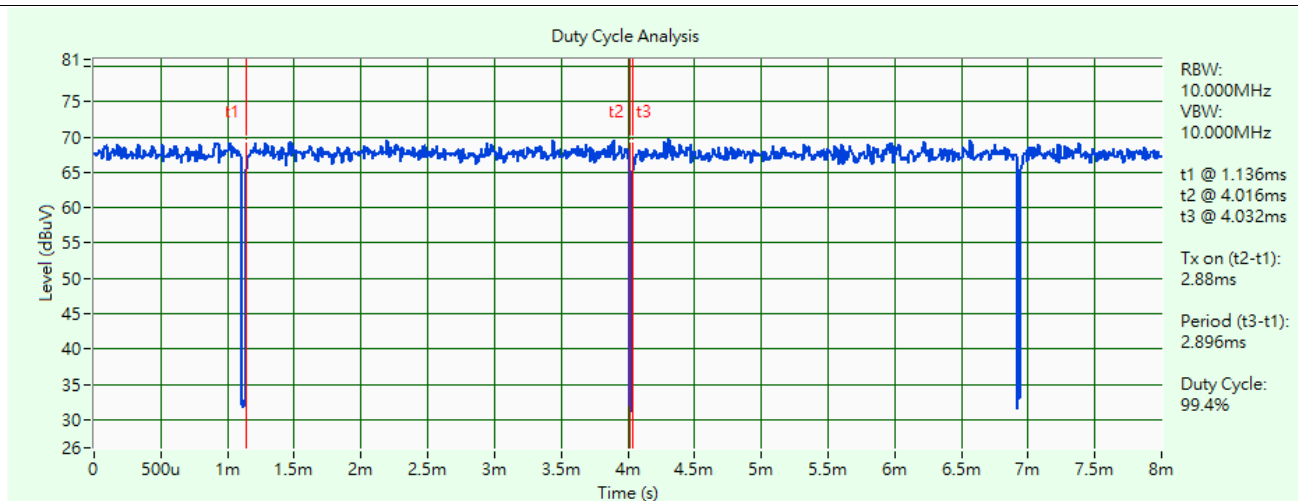
802.11be (EHT80): Duty cycle = 5.42 ms / 5.5 ms x 100% = 98.5%

802.11be (EHT160): Duty cycle = 2.376 ms / 2.392 ms x 100% = 99.3%

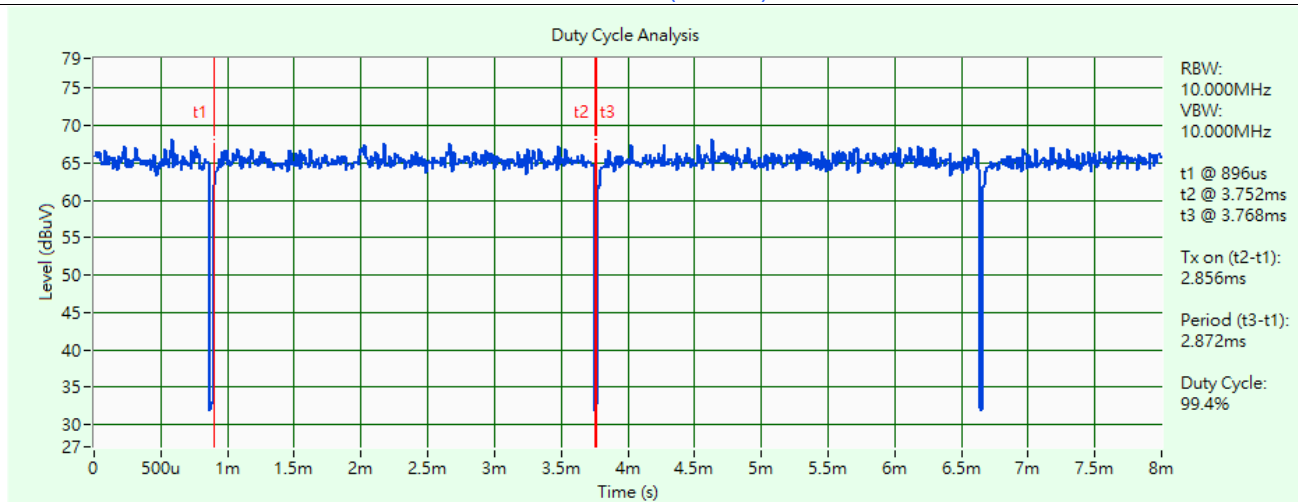
802.11be (EHT240): Duty cycle = 2.376 ms / 2.392 ms x 100% = 99.3%



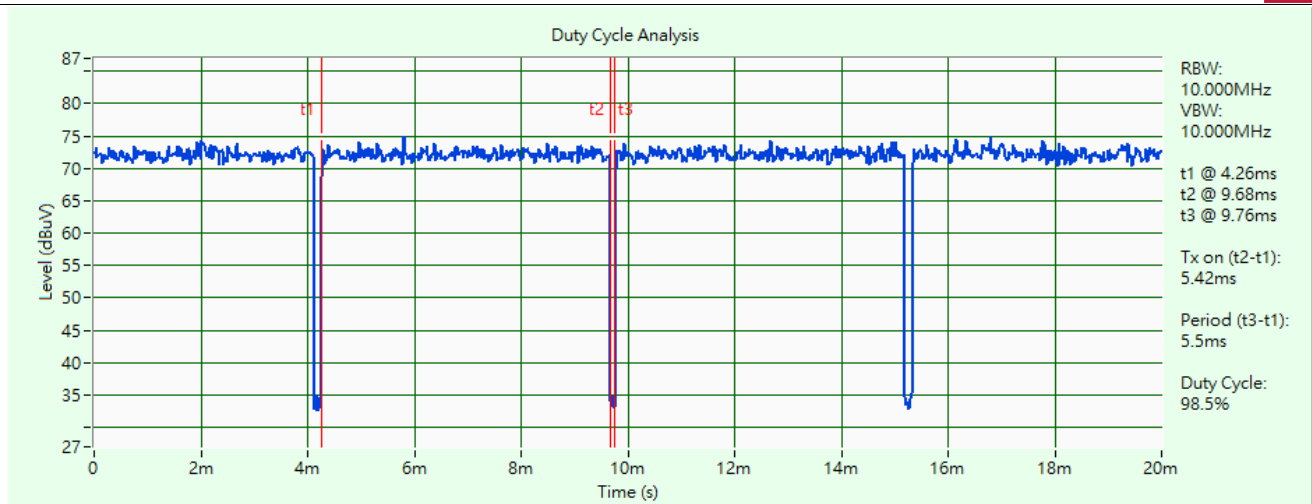
802.11a



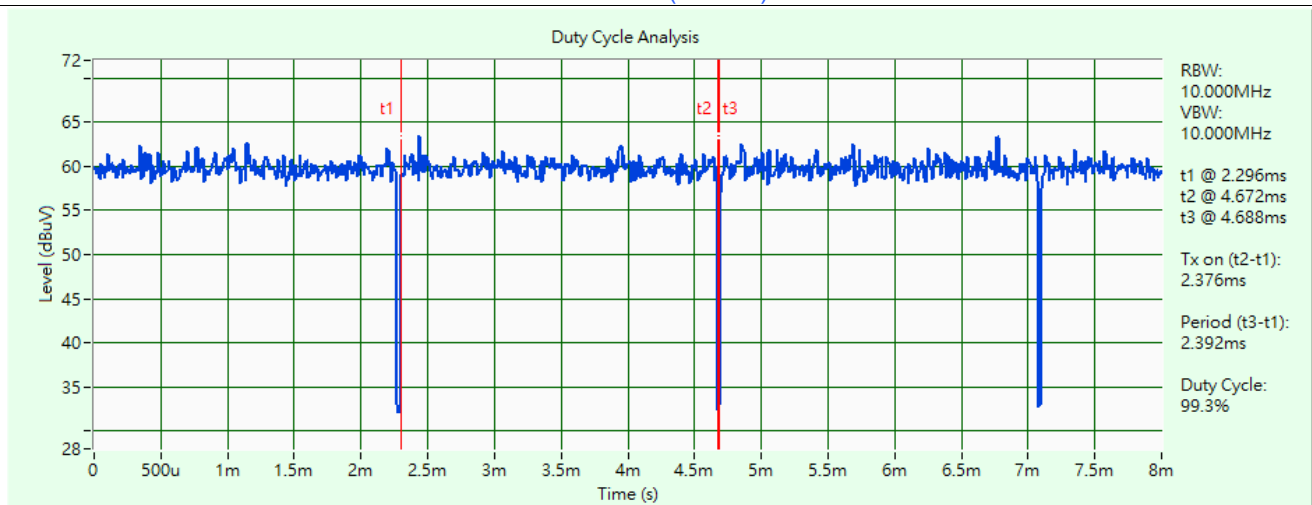
802.11be (EHT20)



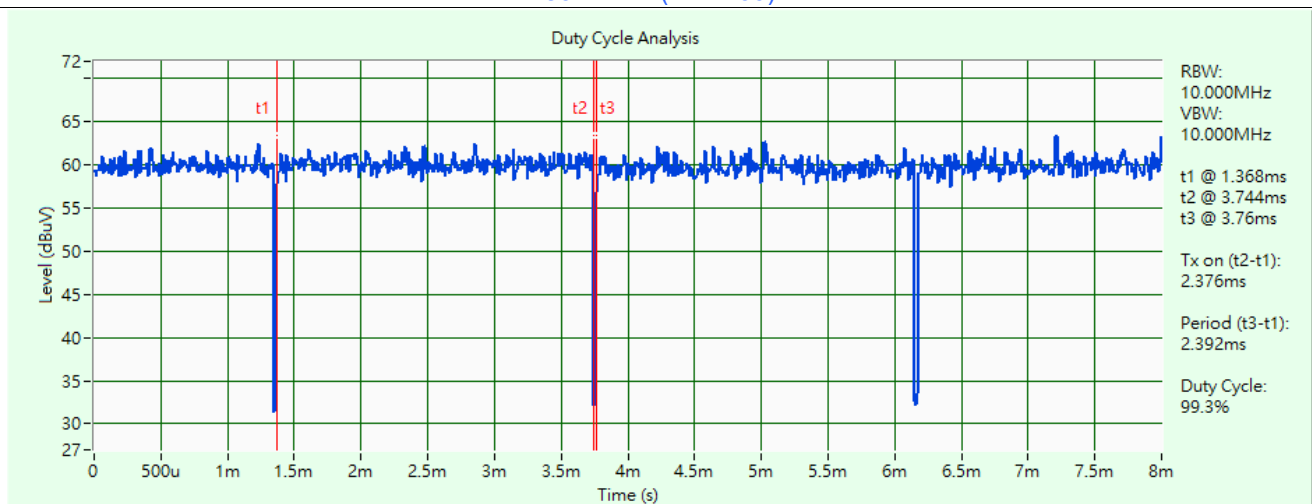
802.11be (EHT40)



802.11be (EHT80)



802.11be (EHT160)



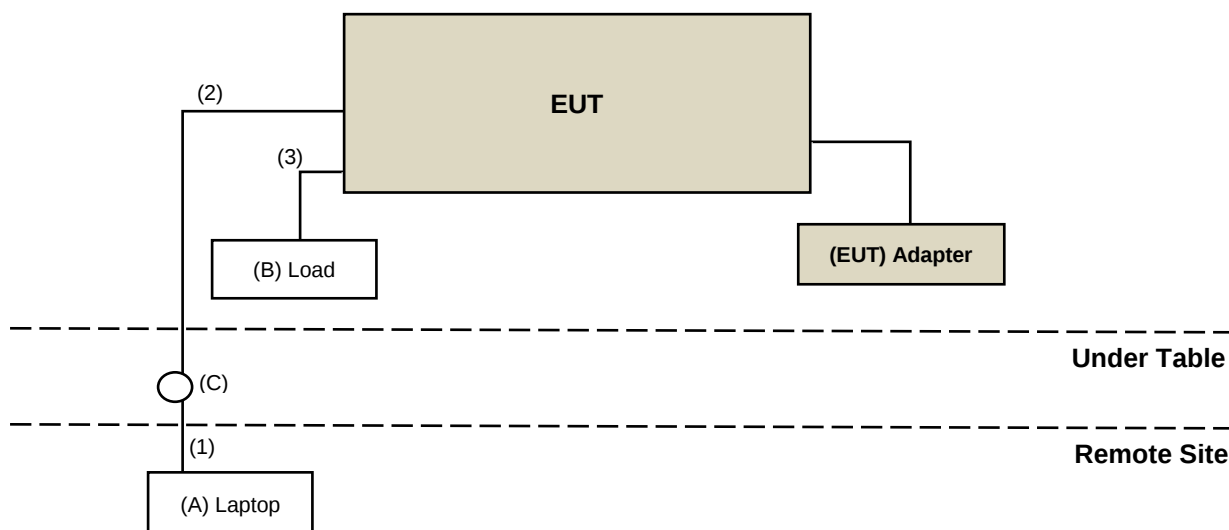
802.11be (EHT240)

3.6 Test Program Used and Operation Descriptions

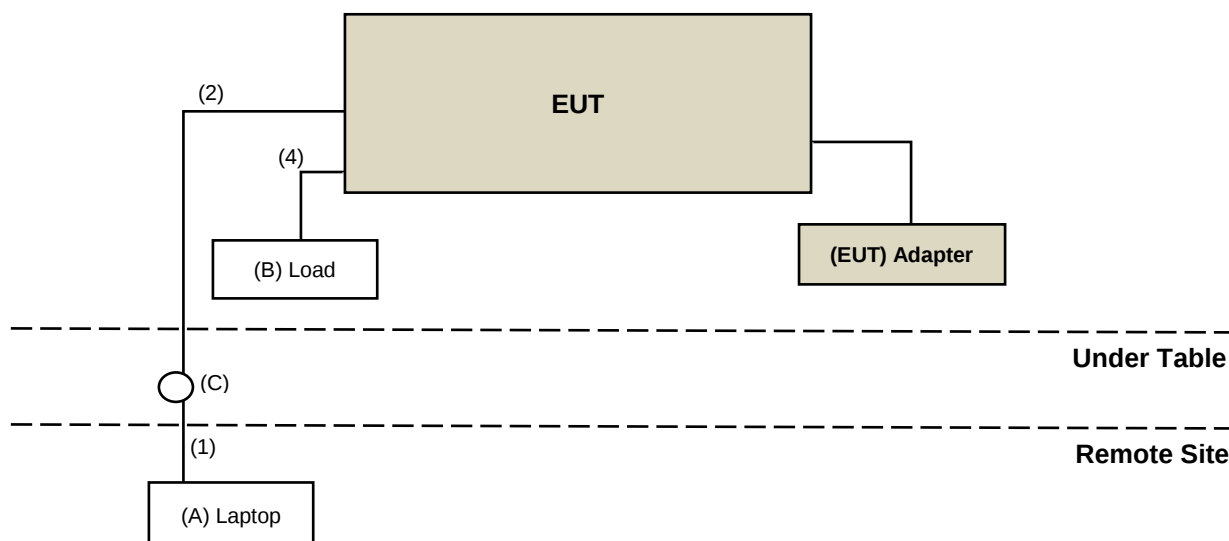
Controlling software QSPR Version 5.0-00202 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

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

No.	Cable Descriptions	Qty.	Length (m)	Shielded (Yes/ No)	Cores (Qty.)	Remark
1.	RJ-45 Cable	1	10	No	0	Provided by Lab
2.	Ethernet Cable	1	2	No	0	Accessory of EUT
3.	RJ-45 Cable	3	1.5	No	0	Provided by Lab
4.	RJ-45 Cable	1	2	No	0	Supplied by applicant

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/14 ~ 2024/1/18

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
USB Wideband Power Sensor Keysight	U2021XA	MY55050005/MY55190004/ MY55190007/MY55210005	2023/7/19	2024/7/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/14 ~ 2024/1/18

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Supply JIN YIH Technology	6905S	1720444	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2023/7/6	2024/7/5
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	HRM-120RF	931022	2023/12/19	2024/12/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/14 ~ 2024/1/18

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011276	01	2023/2/1	2024/1/31
	E1-011312	10	2023/1/30	2024/1/29
	E1-011591	17	2023/2/1	2024/1/31
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESCI	100613	2023/12/4	2024/12/3
Fixed Attenuator Mini-Circuits	HAT-10+	PAD-COND1-01	2023/1/7 2024/1/6	2024/1/6 2025/1/5
LISN R&S	ENV216	101826	2023/3/23	2024/3/22
	ESH3-Z5	100311	2023/9/6	2024/9/5
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2023/1/7 2024/1/6	2024/1/6 2025/1/5
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2024/1/5 ~ 2024/1/15

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-155	2023/10/13	2024/10/12
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
Preamplifier Agilent	8447D	2944A10631	2023/5/7	2024/5/6
Preamplifier EMCI	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-CH4-01	2023/7/8	2024/7/7
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13	2024/4/12
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/1/4 ~ 2024/1/15

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2022/12/12 2023/12/7	2023/12/11 2024/12/6
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2022/11/13 2023/11/12	2023/11/12 2024/11/11
	BBHA 9170	9170-480	2022/11/13 2023/11/12	2023/11/12 2024/11/11
		BBHA9170241	2022/10/20 2023/10/16	2023/10/19 2024/10/15
		BBHA9170243	2022/11/13 2023/11/12	2023/11/12 2024/11/11
Preamplifier EMCI	EMC 184045	980116	2022/10/1 2023/9/27	2023/9/30 2024/9/26
Preamplifier Keysight	83017A	MY53270295	2023/5/7	2024/5/6
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2023/5/7	2024/5/6
	Sucoflex 104	MY 13380+295012/04	2023/5/7	2024/5/6
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13	2024/4/12
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: 2023/8/24 ~ 2024/1/5

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

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

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

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

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

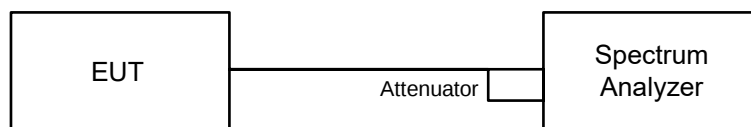
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

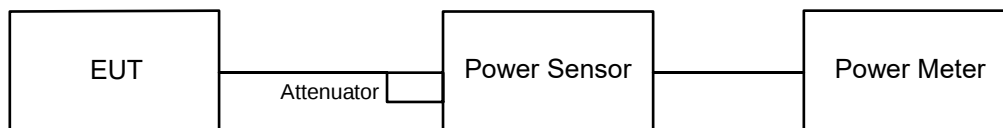


6.1.2 Test Procedure

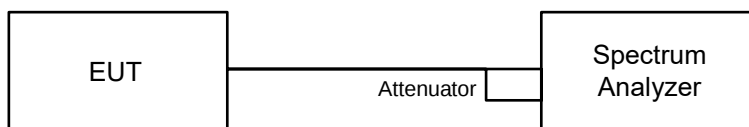
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

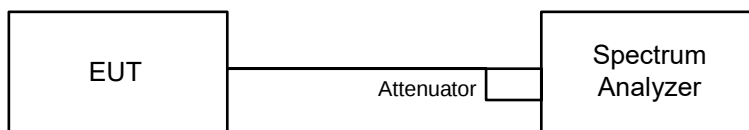
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

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

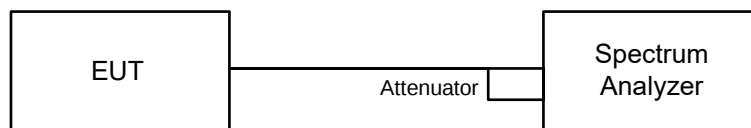
For specified measurement bandwidth 500 kHz:

Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

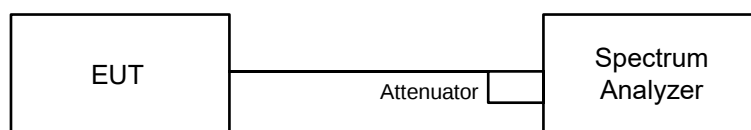


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

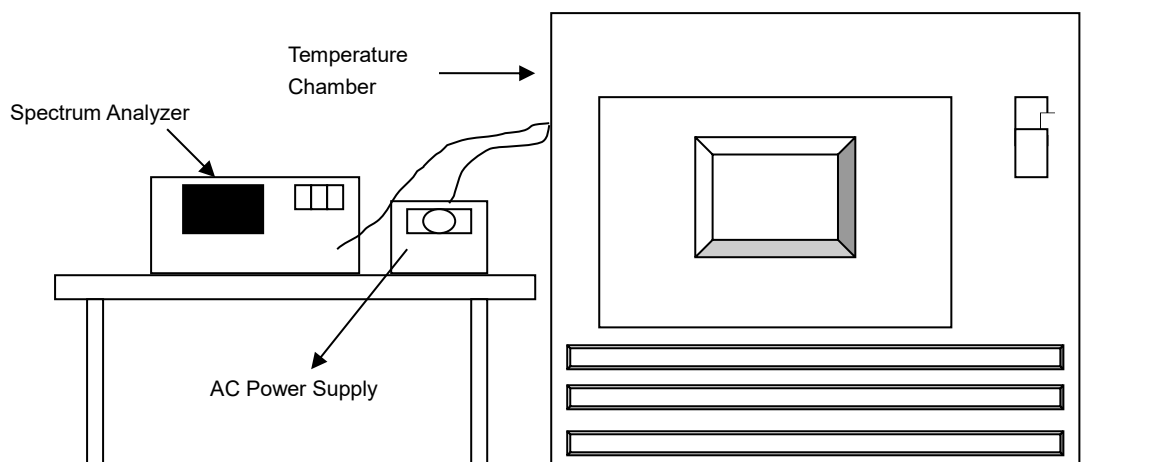


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

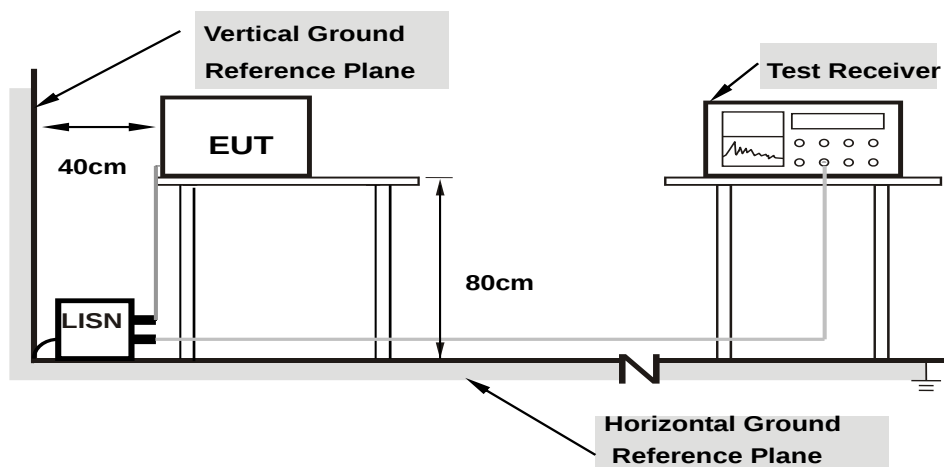


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

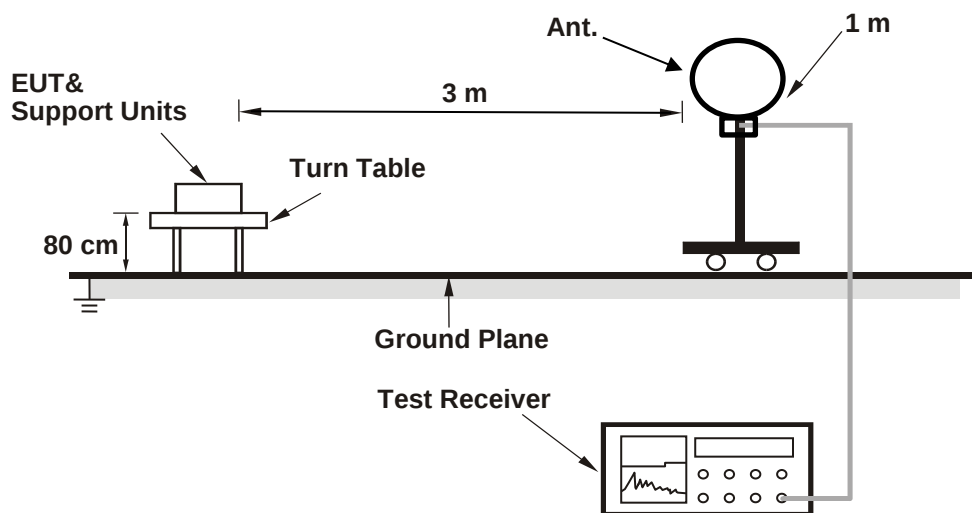
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

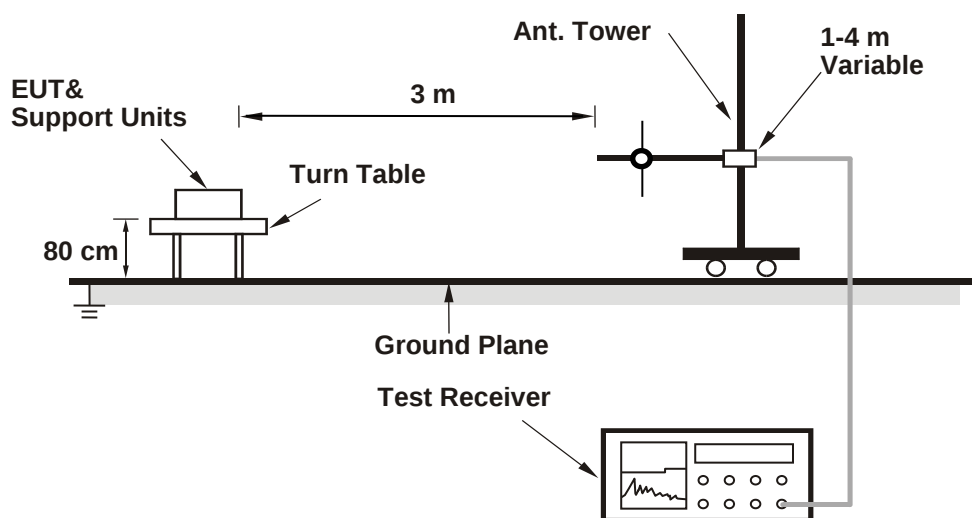
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

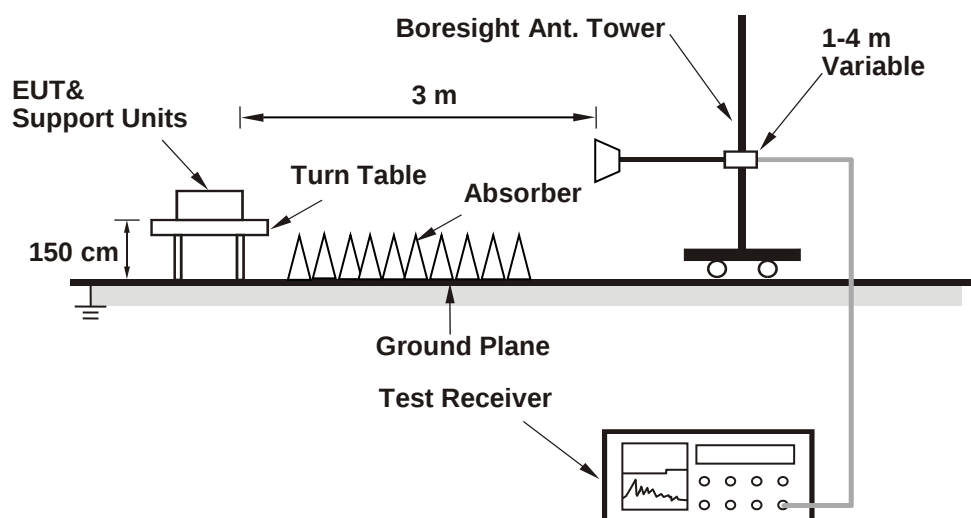
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Matthew Yang, Ivan Tseng
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	22.50	22.36
60	5300	22.46	22.31
64	5320	22.42	22.29
100	5500	22.46	22.29
116	5580	22.50	22.33
140	5700	22.50	23.07
144 (U-NII-2C)	5720	16.17	16.12
144 (U-NII-3)	5720	6.23	6.99

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	22.36	24.49 > 24
60	5300	22.31	24.48 > 24
64	5320	22.29	24.48 > 24
100	5500	22.29	24.48 > 24
116	5580	22.33	24.48 > 24
140	5700	22.50	24.52 > 24
144 (U-NII-2C)	5720	16.12	23.07 < 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	23.32	23.57
60	5300	22.95	23.76
64	5320	23.27	23.47
100	5500	23.21	23.40
116	5580	23.29	23.46
140	5700	23.39	23.60
144 (U-NII-2C)	5720	16.54	16.39
144 (U-NII-3)	5720	6.54	6.74

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	23.32	24.67 > 24
60	5300	22.95	24.6 > 24
64	5320	23.27	24.66 > 24
100	5500	23.21	24.65 > 24
116	5580	23.29	24.67 > 24
140	5700	23.39	24.69 > 24
144 (U-NII-2C)	5720	16.39	23.14 < 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	45.14	44.55
62	5310	45.30	44.70
102	5510	45.03	44.47
110	5550	44.64	45.86
134	5670	44.24	44.88
142 (U-NII-2C)	5710	37.30	37.63
142 (U-NII-3)	5710	7.18	7.91

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	44.55	27.48 > 24
62	5310	44.70	27.5 > 24
102	5510	44.47	27.48 > 24
110	5550	44.64	27.49 > 24
134	5670	44.24	27.45 > 24
142 (U-NII-2C)	5710	37.30	26.71 > 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	92.27	91.47
106	5530	91.61	90.70
122	5610	90.46	92.68
138 (U-NII-2C)	5690	80.60	80.85
138 (U-NII-3)	5690	10.08	10.50

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	91.47	30.61 > 24
106	5530	90.70	30.57 > 24
122	5610	90.46	30.56 > 24
138 (U-NII-2C)	5690	80.60	30.06 > 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	88.11	88.10
50 (U-NII-2A)	5250	88.82	89.51
114	5570	176.01	176.94

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	88.82	30.48 > 24
114	5570	176.01	33.45 > 24

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

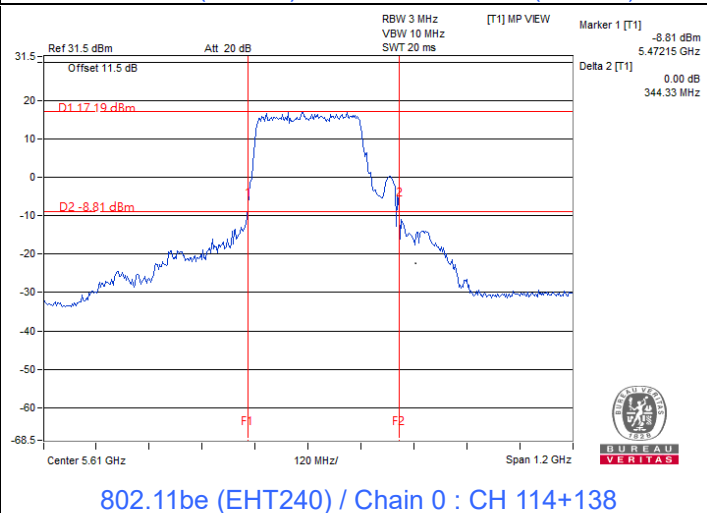
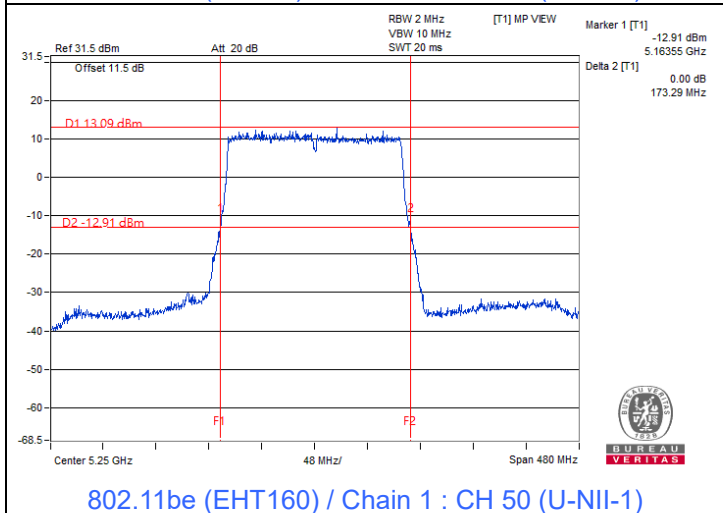
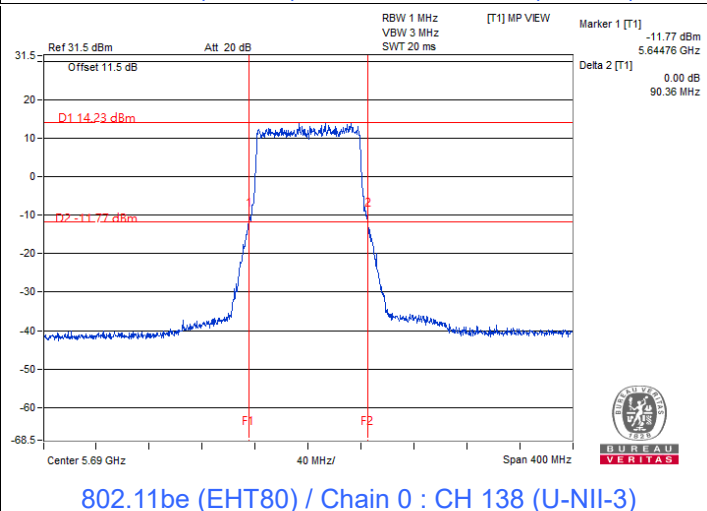
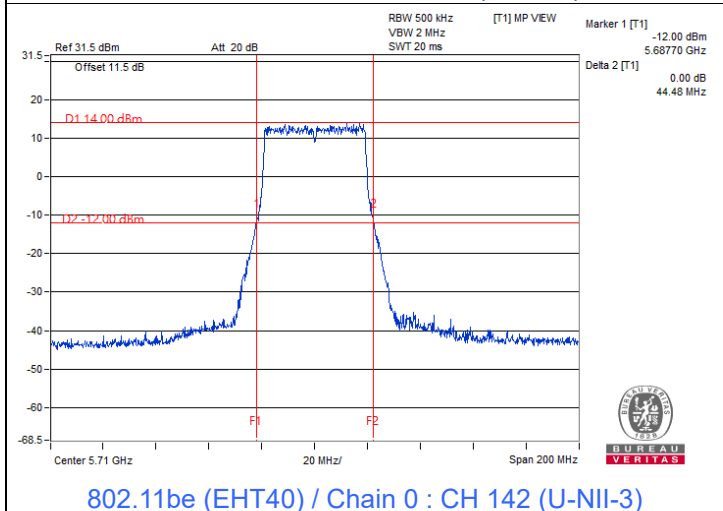
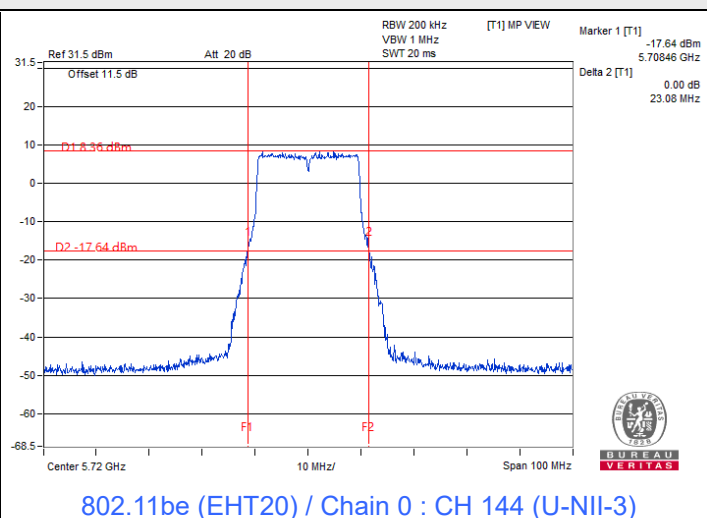
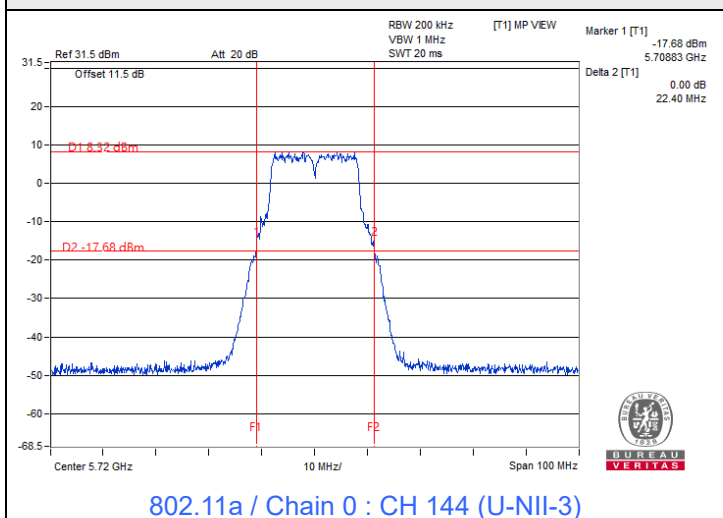
802.11be (EHT240)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
114+138 (U-NII-2C)	5610	252.85	253.09
114+138 (U-NII-3)	5610	91.48	91.65

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
114+138 (U-NII-2C)	5610	252.85	35.02 > 24

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

Spectrum Plot of Minimum Value



Notes:

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

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Matthew Yang, Ivan Tseng
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802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	23.92	23.96	495.49	26.95	30	Pass
40	5200	25.41	26.80	826.166	29.17	30	Pass
48	5240	26.11	26.32	836.868	29.23	30	Pass
52	5260	20.24	20.11	208.247	23.19	24	Pass
60	5300	20.34	20.20	212.856	23.28	24	Pass
64	5320	20.31	20.14	210.675	23.24	24	Pass
100	5500	20.59	19.91	212.5	23.27	24	Pass
116	5580	20.24	20.25	211.607	23.26	24	Pass
140	5700	20.65	19.76	210.769	23.24	24	Pass
*144 (U-NII-2C)	5720	19.96	19.56	189.448	22.77	23.07	Pass
*144 (U-NII-3)	5720	14.11	13.71	49.26	16.92	30	Pass
149	5745	26.20	26.11	825.189	29.17	30	Pass
157	5785	26.57	26.35	885.461	29.47	30	Pass
165	5825	26.29	26.24	846.325	29.28	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.83 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.22 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	23.58	23.92	474.638	26.76	30	Pass
40	5200	25.94	26.39	828.157	29.18	30	Pass
48	5240	26.15	25.93	803.839	29.05	30	Pass
52	5260	20.25	19.95	204.781	23.11	24	Pass
60	5300	20.27	19.98	205.955	23.14	24	Pass
64	5320	20.28	19.87	203.711	23.09	24	Pass
100	5500	20.40	19.80	205.147	23.12	24	Pass
116	5580	20.21	20.03	205.647	23.13	24	Pass
140	5700	20.30	19.85	203.757	23.09	24	Pass
*144 (U-NII-2C)	5720	19.33	19.10	166.987	22.23	23.14	Pass
*144 (U-NII-3)	5720	15.09	14.50	60.469	17.82	30	Pass
149	5745	25.85	25.81	765.658	28.84	30	Pass
157	5785	25.94	25.69	763.326	28.83	30	Pass
165	5825	25.96	25.69	765.138	28.84	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.83 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.22 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	23.20	23.83	450.476	26.54	30	Pass
46	5230	24.38	24.85	579.65	27.63	30	Pass
54	5270	20.37	20.13	211.932	23.26	24	Pass
62	5310	20.58	19.97	213.599	23.30	24	Pass
102	5510	20.32	19.87	204.698	23.11	24	Pass
110	5550	20.13	20.09	205.133	23.12	24	Pass
134	5670	20.43	19.73	204.38	23.10	24	Pass
*142 (U-NII-2C)	5710	20.05	20.20	205.871	23.14	24	Pass
*142 (U-NII-3)	5710	11.62	11.66	29.177	14.65	30	Pass
151	5755	25.08	24.67	615.196	27.89	30	Pass
159	5795	24.98	24.99	630.275	28.00	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.83 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.22 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	22.56	22.95	377.544	25.77	30	Pass
58	5290	20.36	19.83	204.804	23.11	24	Pass
106	5530	20.10	20.04	203.255	23.08	24	Pass
122	5610	20.13	20.05	204.197	23.10	24	Pass
*138 (U-NII-2C)	5690	20.13	19.97	202.35	23.06	24	Pass
*138 (U-NII-3)	5690	7.96	7.84	12.333	10.91	30	Pass
155	5775	24.42	24.18	538.512	27.31	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.83 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.22 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	17.22	17.03	103.189	20.14	30	Pass
*50 (U-NII-2A)	5250	16.96	16.68	96.218	19.83	24	Pass
114	5570	19.98	19.97	198.852	22.99	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.83 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT240) CDD

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	17.15	16.84	100.186	20.01	24	Pass
*114+138 (U-NII-3)	5610	0.31	0.67	2.241	3.50	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.72 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.83 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.22 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	23.58	23.92	474.638	26.76	29.66	Pass
40	5200	25.94	26.39	828.157	29.18	29.66	Pass
48	5240	26.15	25.93	803.839	29.05	29.66	Pass
52	5260	20.25	19.95	204.781	23.11	23.33	Pass
60	5300	20.27	19.98	205.955	23.14	23.33	Pass
64	5320	20.28	19.87	203.711	23.09	23.33	Pass
100	5500	20.40	19.80	205.147	23.12	23.17	Pass
116	5580	20.21	20.03	205.647	23.13	23.17	Pass
140	5700	20.30	19.85	203.757	23.09	23.17	Pass
*144 (U-NII-2C)	5720	19.33	19.10	166.987	22.23	22.31	Pass
*144 (U-NII-3)	5720	15.09	14.50	60.469	17.82	28.86	Pass
149	5745	25.85	25.81	765.658	28.84	28.86	Pass
157	5785	25.94	25.69	763.326	28.83	28.86	Pass
165	5825	25.96	25.69	765.138	28.84	28.86	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.34 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.34 - 6) = 29.66$ dBm.
- For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.67 - 6)].
- For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.83 - 6)].
- For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.14 - 6) = 28.86$ 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	23.20	23.83	450.476	26.54	29.66	Pass
46	5230	24.38	24.85	579.65	27.63	29.66	Pass
54	5270	20.37	20.13	211.932	23.26	23.33	Pass
62	5310	20.58	19.97	213.599	23.30	23.33	Pass
102	5510	20.32	19.87	204.698	23.11	23.17	Pass
110	5550	20.13	20.09	205.133	23.12	23.17	Pass
134	5670	20.43	19.73	204.38	23.10	23.17	Pass
*142 (U-NII-2C)	5710	20.05	20.20	205.871	23.14	23.17	Pass
*142 (U-NII-3)	5710	11.62	11.66	29.177	14.65	28.86	Pass
151	5755	25.08	24.67	615.196	27.89	28.86	Pass
159	5795	24.98	24.99	630.275	28.00	28.86	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.34 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.34 - 6) = 29.66$ dBm.
- For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.67 - 6)].
- For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.83 - 6)].
- For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.14 - 6) = 28.86$ 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	22.56	22.95	377.544	25.77	29.66	Pass
58	5290	20.36	19.83	204.804	23.11	23.33	Pass
106	5530	20.10	20.04	203.255	23.08	23.17	Pass
122	5610	20.13	20.05	204.197	23.10	23.17	Pass
*138 (U-NII-2C)	5690	20.13	19.97	202.35	23.06	23.17	Pass
*138 (U-NII-3)	5690	7.96	7.84	12.333	10.91	28.86	Pass
155	5775	24.42	24.18	538.512	27.31	28.86	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.34 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.34 - 6) = 29.66$ dBm.
- For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.67 - 6)].
- For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.83 - 6)].
- For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.14 - 6) = 28.86$ 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	17.22	17.03	103.189	20.14	29.66	Pass
*50 (U-NII-2A)	5250	16.96	16.68	96.218	19.83	23.33	Pass
114	5570	19.98	19.97	198.852	22.99	23.17	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.34 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.34 - 6) = 29.66$ dBm.
- For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.67-6)].
- For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.83-6)].

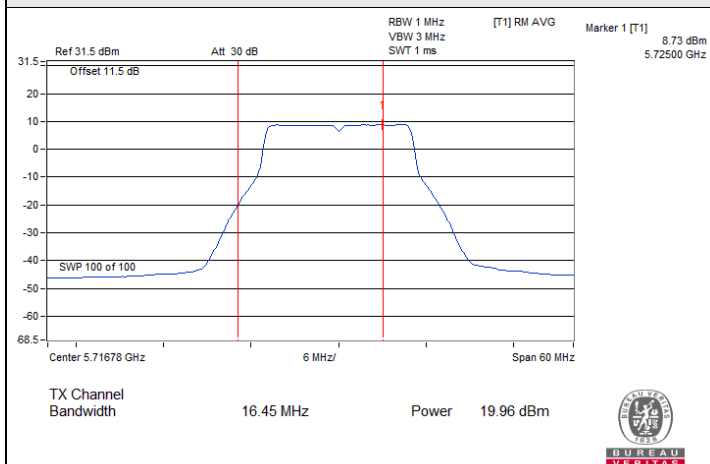
802.11be (EHT240) Beamforming

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	17.15	16.84	100.186	20.01	23.17	Pass
*114+138 (U-NII-3)	5610	0.31	0.67	2.241	3.50	28.86	Pass

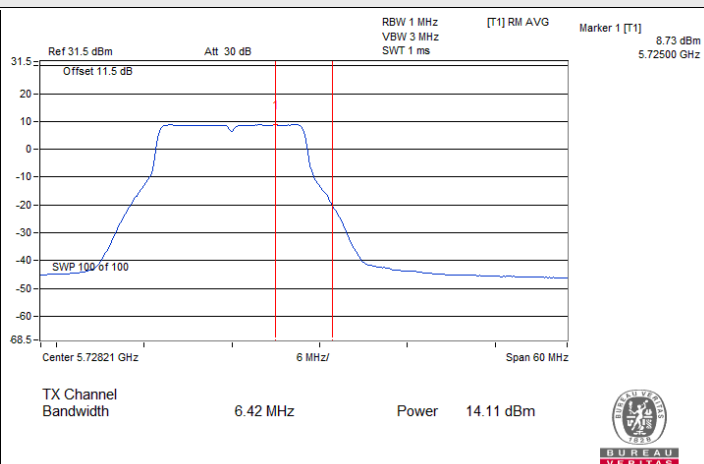
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.34 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.34 - 6) = 29.66$ dBm.
- For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.67-6)].
- For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.83-6)].
- For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.14 - 6) = 28.86$ dBm.

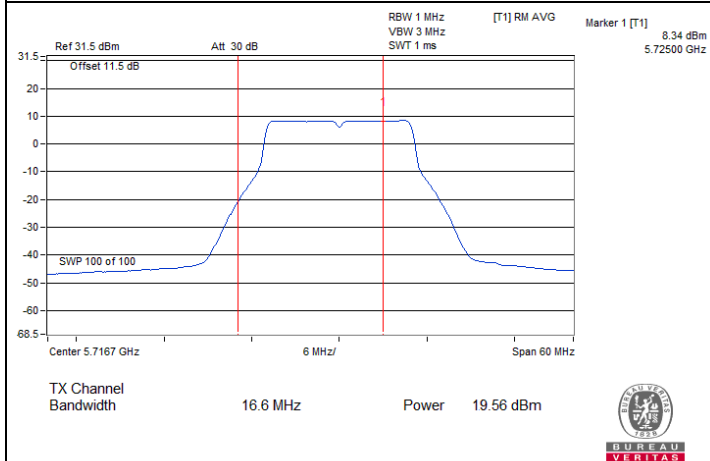
Spectrum Plot for channel straddling



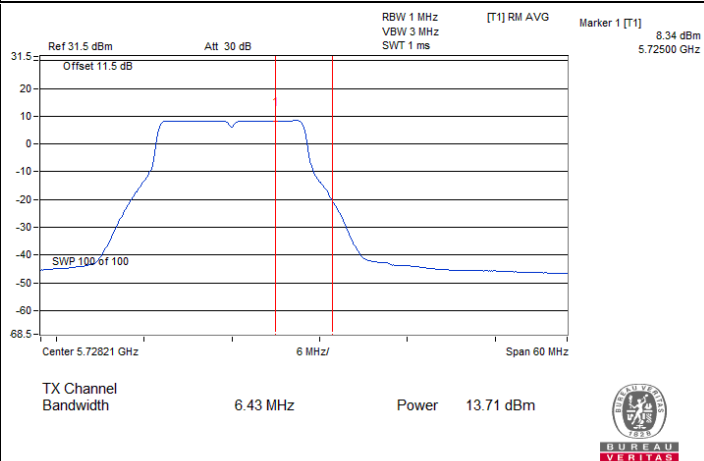
802.11a / Chain 0 : CH 144 (U-NII-2C)



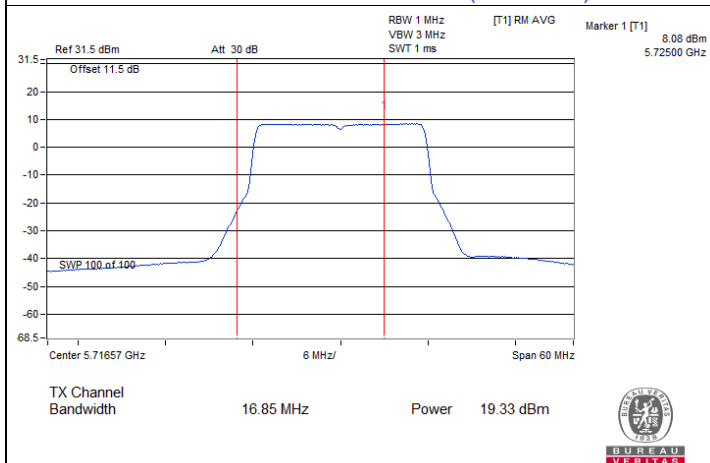
802.11a / Chain 0 : CH 144 (U-NII-3)



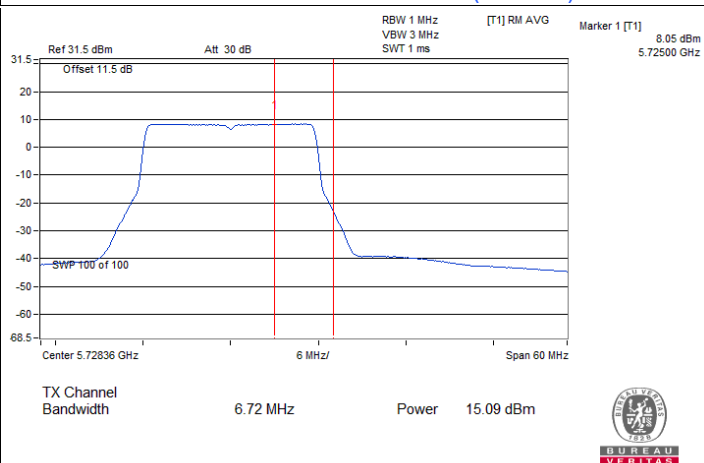
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

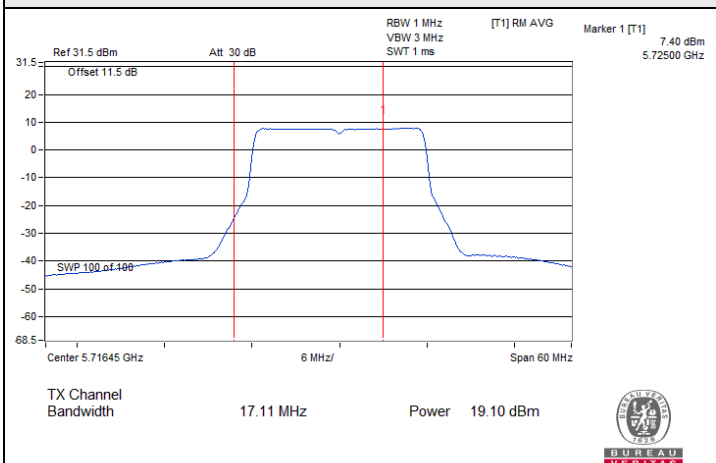


802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)

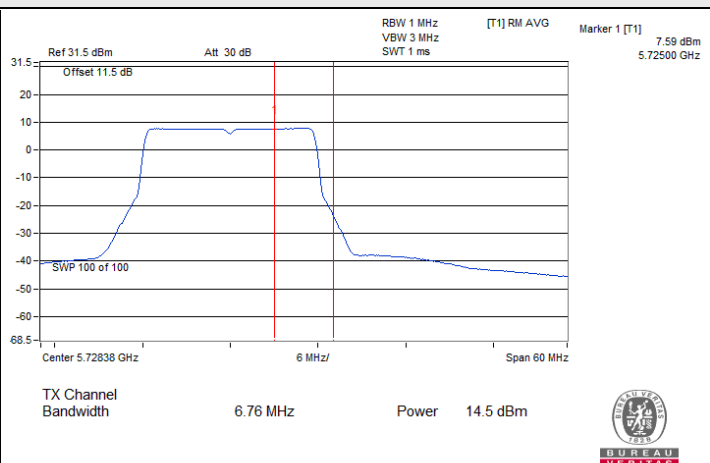


802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)

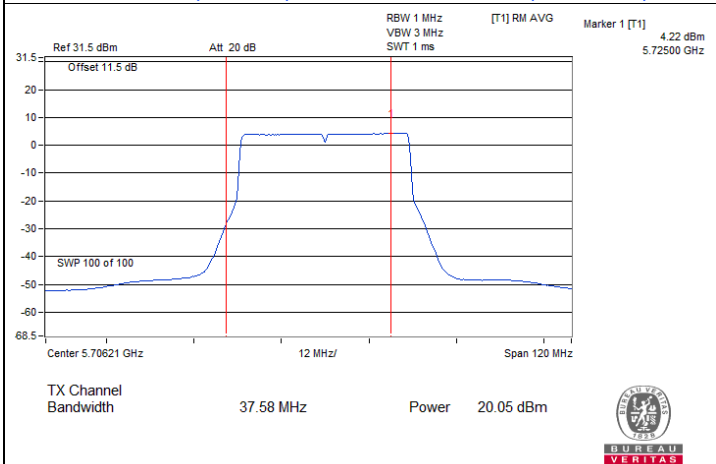
Spectrum Plot for channel straddling



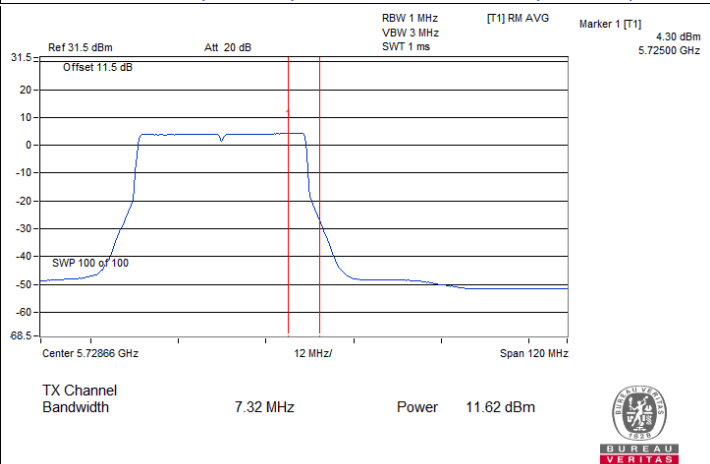
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



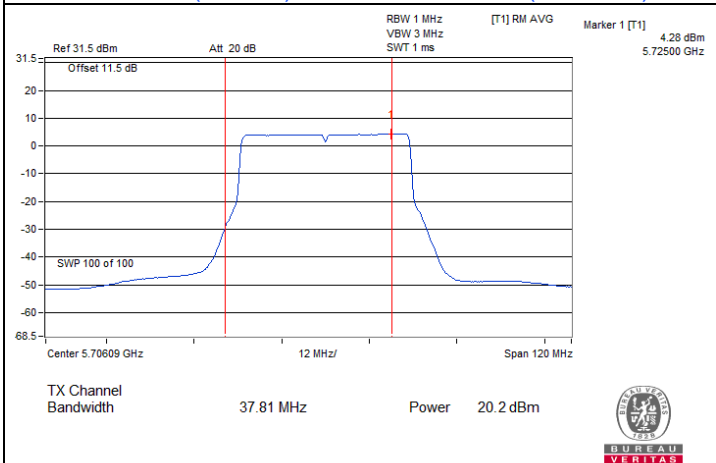
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



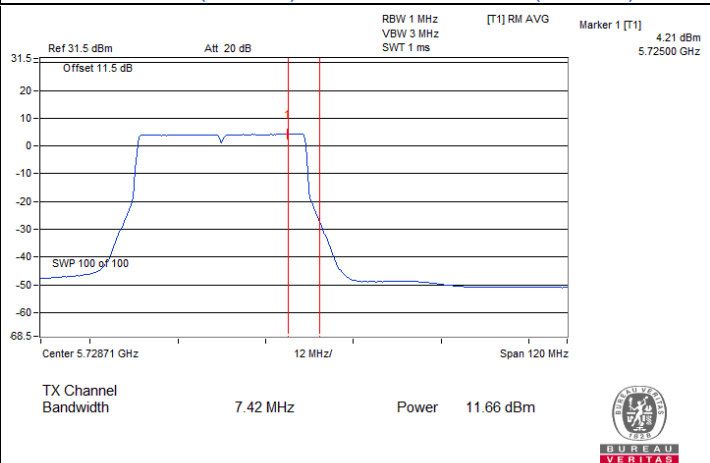
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



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

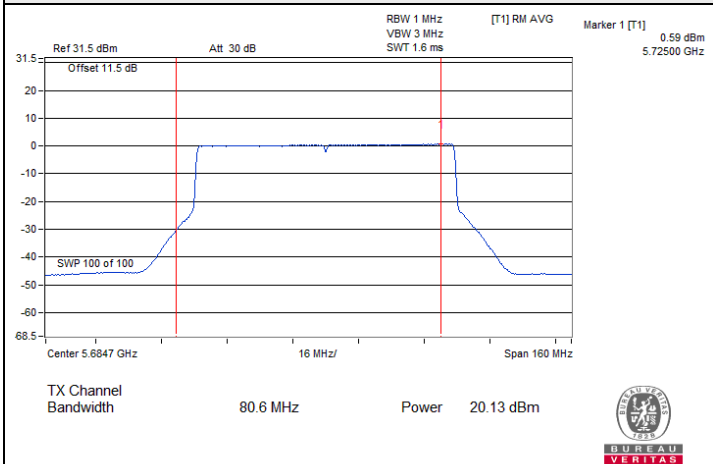


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)

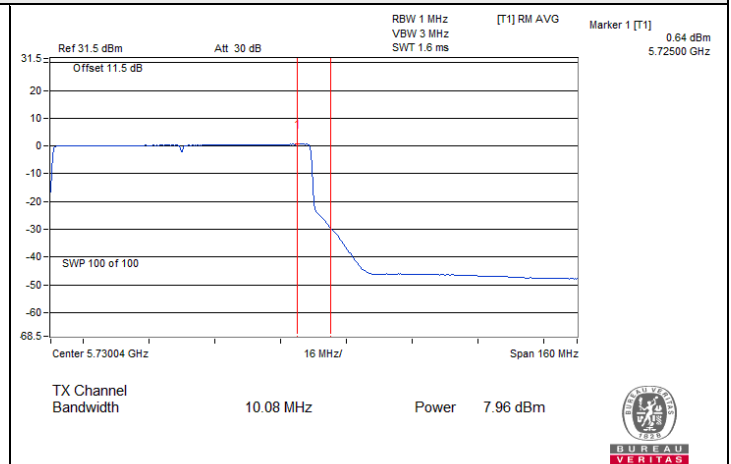


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)

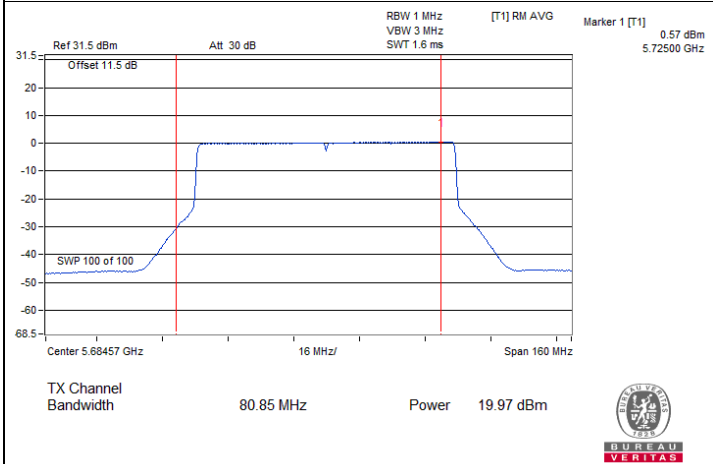
Spectrum Plot for channel straddling



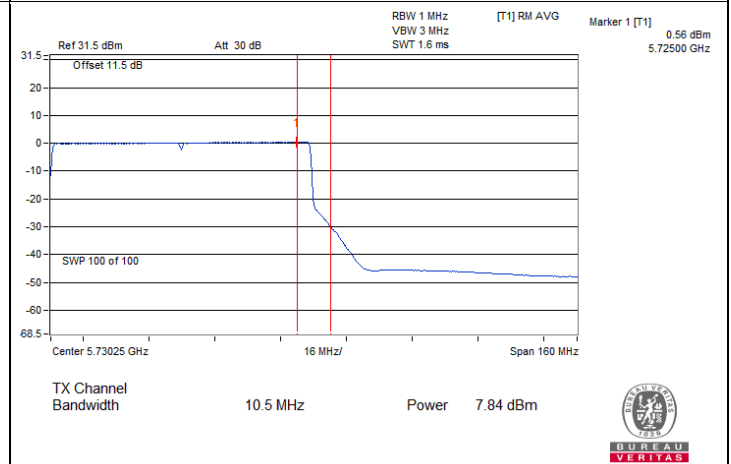
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



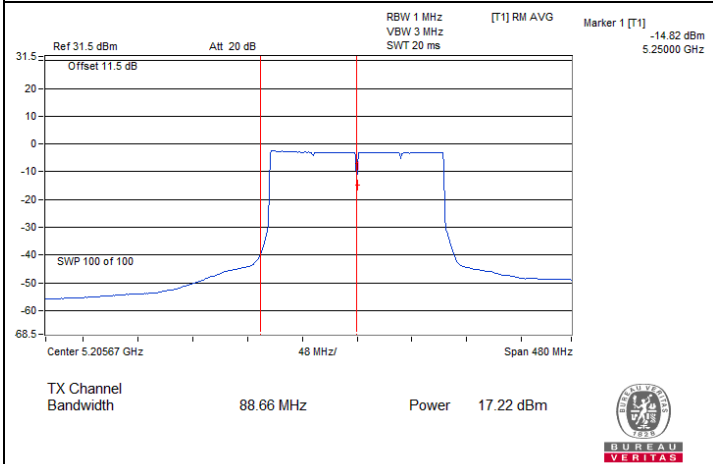
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



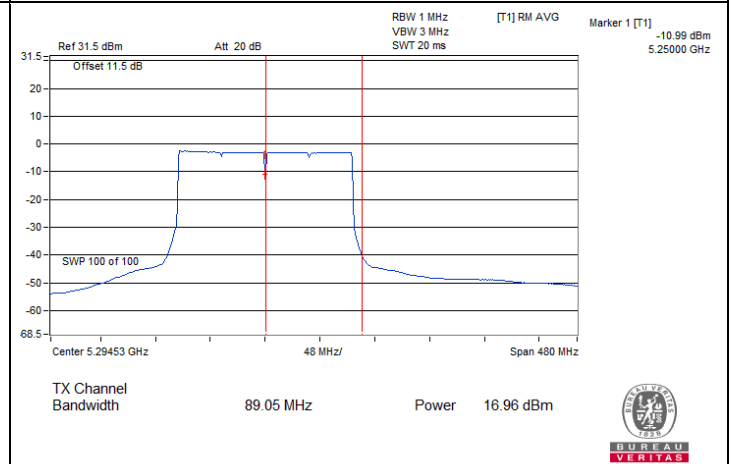
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



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

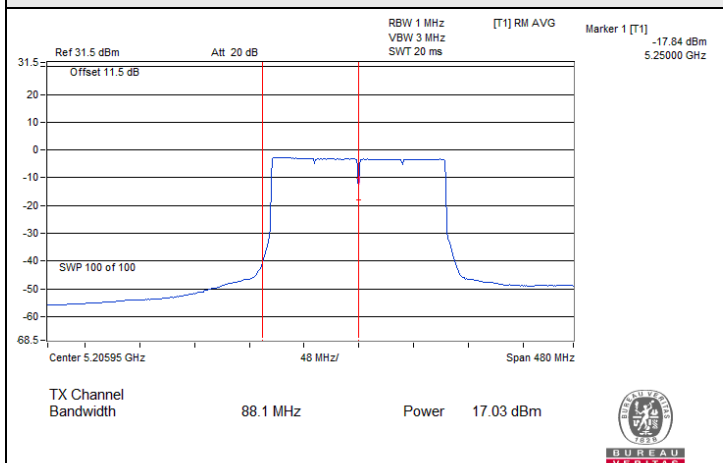


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)

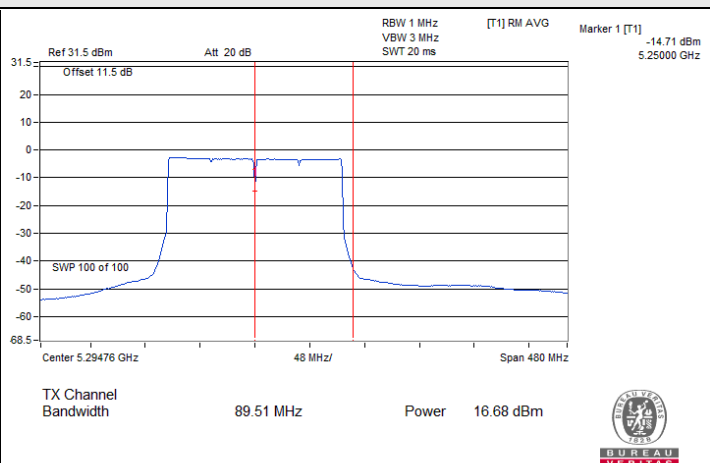


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-2A)

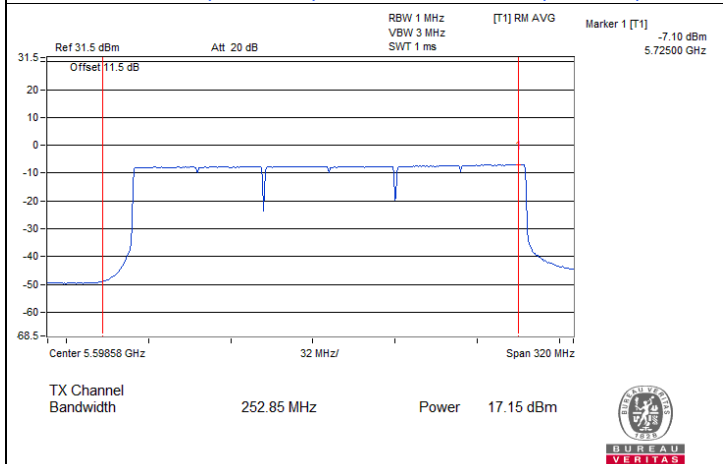
Spectrum Plot for channel straddling



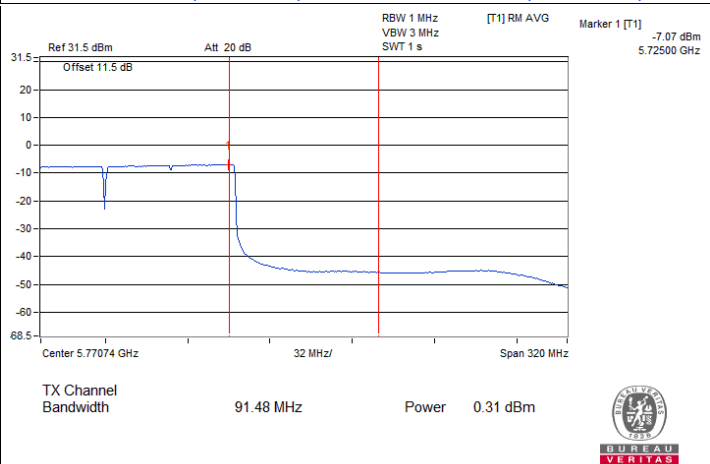
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)



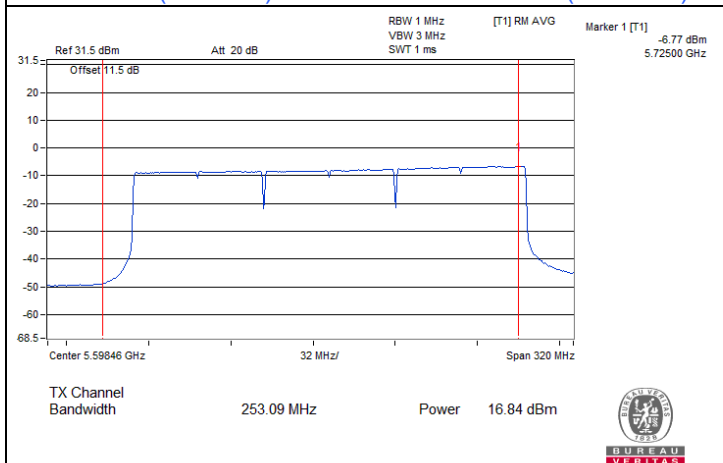
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)



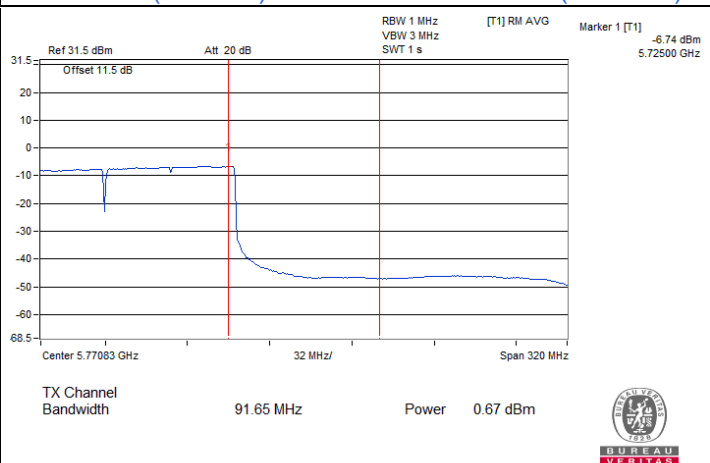
802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Matthew Yang, Ivan Tseng
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	10.49	10.53	13.52	16.66	Pass
40	5200	11.93	13.26	15.66	16.66	Pass
48	5240	12.44	12.64	15.55	16.66	Pass
52	5260	6.73	6.61	9.68	10.33	Pass
60	5300	6.88	6.72	9.81	10.33	Pass
64	5320	6.83	6.65	9.75	10.33	Pass
100	5500	7.07	6.40	9.76	10.17	Pass
116	5580	6.77	6.78	9.79	10.17	Pass
140	5700	7.14	6.25	9.73	10.17	Pass
144 (U-NII-2C)	5720	6.82	6.55	9.70	10.17	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.34 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.34-6) = 16.66$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.67-6) = 10.33$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.83-6) = 10.17$ 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	9.98	10.27	13.14	16.66	Pass
40	5200	12.41	12.77	15.60	16.66	Pass
48	5240	12.55	12.25	15.41	16.66	Pass
52	5260	6.76	6.52	9.65	10.33	Pass
60	5300	6.82	6.54	9.69	10.33	Pass
64	5320	6.84	6.42	9.65	10.33	Pass
100	5500	6.98	6.43	9.72	10.17	Pass
116	5580	6.74	6.60	9.68	10.17	Pass
140	5700	6.93	6.41	9.69	10.17	Pass
144 (U-NII-2C)	5720	6.69	6.32	9.52	10.17	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 6.34 dBi > 6dBi, so the power density limit shall be reduced to $17 - (6.34 - 6) = 16.66$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.67 - 6) = 10.33$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.83 - 6) = 10.17$ 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	6.77	7.38	10.10	16.66	Pass
46	5230	7.89	8.38	11.15	16.66	Pass
54	5270	3.85	3.61	6.74	10.33	Pass
62	5310	4.16	3.49	6.85	10.33	Pass
102	5510	3.76	3.35	6.57	10.17	Pass
110	5550	3.68	3.59	6.65	10.17	Pass
134	5670	3.99	3.26	6.65	10.17	Pass
142 (U-NII-2C)	5710	3.75	3.16	6.48	10.17	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.34 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.34-6) = 16.66$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.67-6) = 10.33$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.83-6) = 10.17$ 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	2.99	3.41	6.22	16.66	Pass
58	5290	0.64	0.12	3.40	10.33	Pass
106	5530	0.54	0.47	3.52	10.17	Pass
122	5610	0.44	0.33	3.40	10.17	Pass
138 (U-NII-2C)	5690	0.86	0.51	3.70	10.17	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.34 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.34-6) = 16.66$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.67-6) = 10.33$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.83-6) = 10.17$ 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	-0.42	-0.65	2.48	16.66	Pass
50 (U-NII-2A)	5250	-0.88	-1.10	2.02	10.33	Pass
114	5570	-2.75	-2.75	0.26	10.17	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.34 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.34-6) = 16.66$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.67-6) = 10.33$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.83-6) = 10.17$ 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			
122 (U-NII-2C)	5610	-6.58	-6.87	-3.71	10.17	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 6.34 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.34-6) = 16.66$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.67 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.67-6) = 10.33$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.83 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.83-6) = 10.17$ 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	0.54	0.30	3.43	5.65	28.86	Pass
149	5745	6.02	5.95	9	11.22	28.86	Pass
157	5785	6.38	6.25	9.33	11.55	28.86	Pass
165	5825	6.16	6.07	9.13	11.35	28.86	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.14 - 6) = 28.86$ 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	0.58	0.28	3.44	5.66	28.86	Pass
149	5745	6.06	6.02	9.05	11.27	28.86	Pass
157	5785	6.18	5.92	9.06	11.28	28.86	Pass
165	5825	6.04	5.69	8.88	11.10	28.86	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.14 - 6) = 28.86$ 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	-2.83	-3.76	-0.26	1.96	28.86	Pass
151	5755	1.45	1.04	4.26	6.48	28.86	Pass
159	5795	1.37	1.31	4.35	6.57	28.86	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.14 - 6) = 28.86$ 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	-6.53	-6.75	-3.63	-1.41	28.86	Pass
155	5775	-3.08	-3.28	-0.17	2.05	28.86	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 7.14 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.14 - 6) = 28.86$ dBm/500kHz.

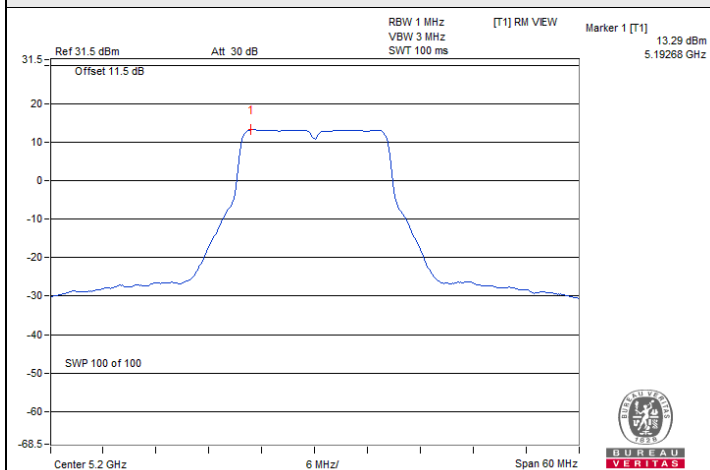
802.11be (EHT240)

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				
122 (U-NII-3)	5610	-15.73	-15.84	-12.77	-10.55	28.86	Pass

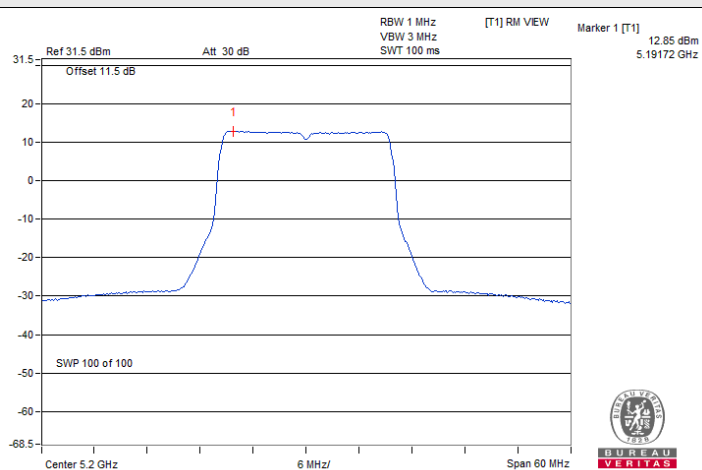
Notes:

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 7.14 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.14 - 6) = 28.86$ dBm/500kHz.

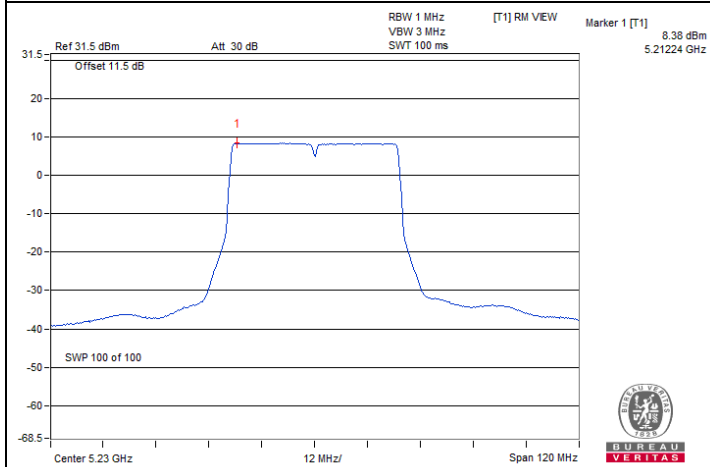
Spectrum Plot of Maximum Value



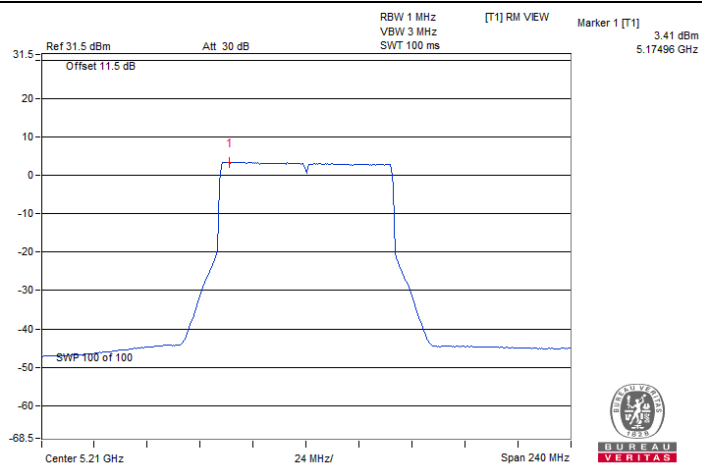
802.11a / Chain 1 : CH 40



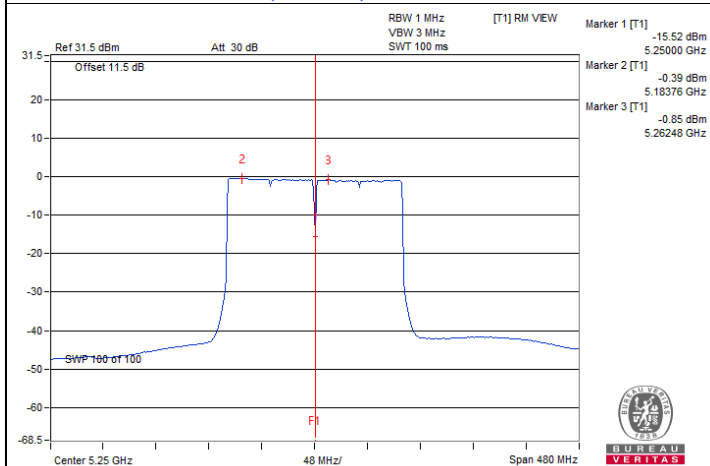
802.11be (EHT20) / Chain 1 : CH 40



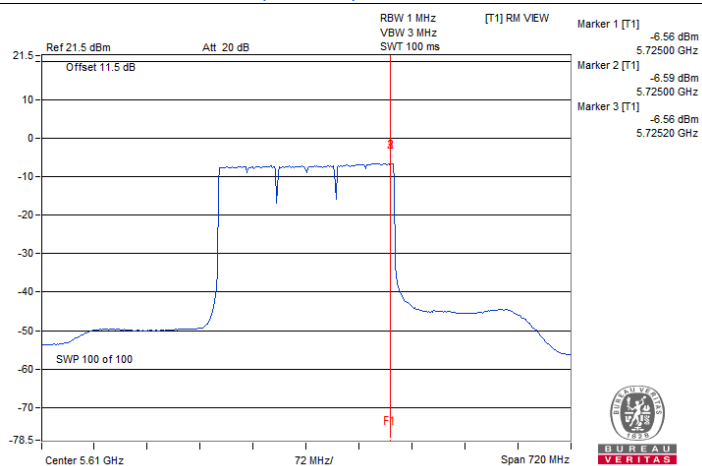
802.11be (EHT40) / Chain 1 : CH 46



802.11be (EHT80) / Chain 1 : CH 42

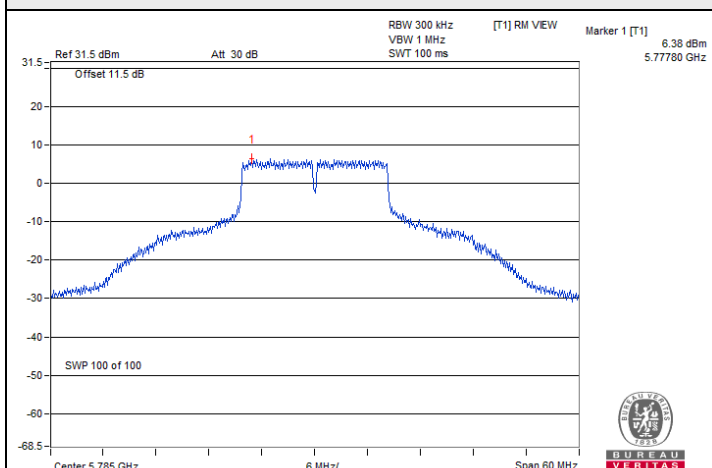


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)

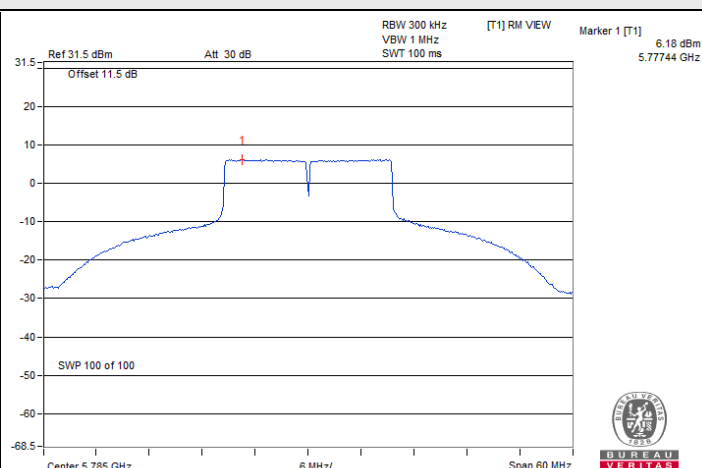


802.11be (EHT240) / Chain 0 : CH 122 (U-NII-2C)

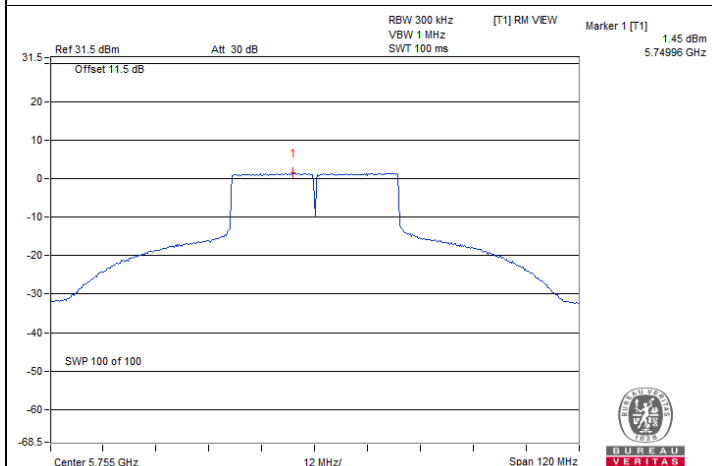
Spectrum Plot of Maximum Value



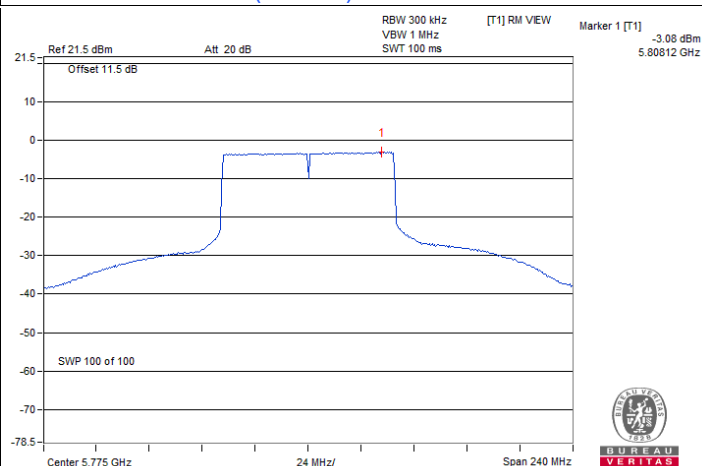
802.11a / Chain 0 : CH 157



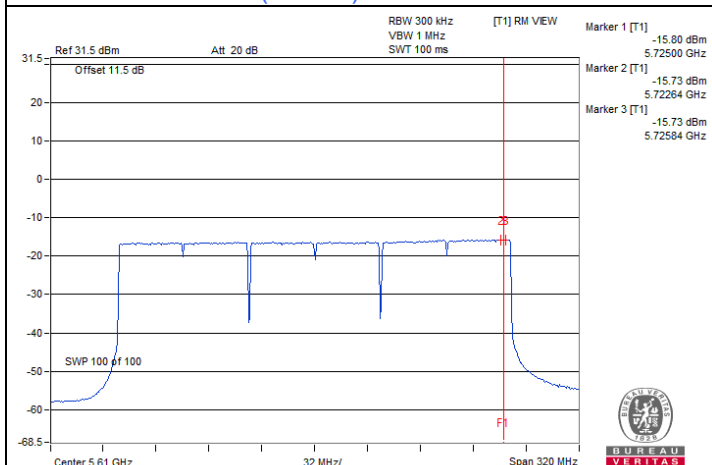
802.11be (EHT20) / Chain 0 : CH 157



802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT240) / Chain 0 : CH 122 (U-NII-3)

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Matthew Yang, Ivan Tseng
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.19	3.21	0.5	Pass
149	5745	16.40	16.40	0.5	Pass
157	5785	16.40	16.40	0.5	Pass
165	5825	16.41	16.40	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	4.55	4.55	0.5	Pass
149	5745	19.13	19.08	0.5	Pass
157	5785	19.11	19.09	0.5	Pass
165	5825	19.11	19.10	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	4.12	4.12	0.5	Pass
151	5755	38.29	38.33	0.5	Pass
159	5795	38.23	38.32	0.5	Pass

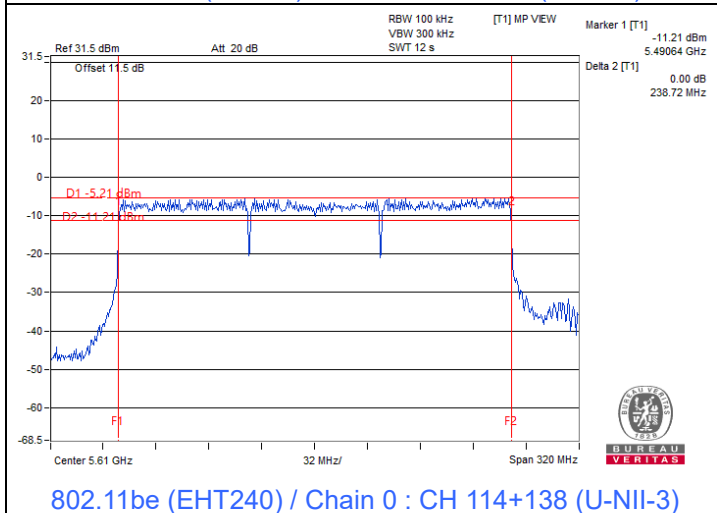
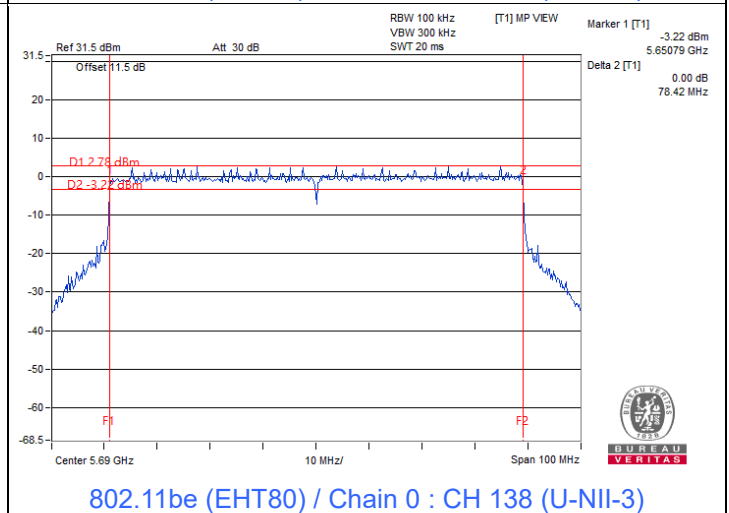
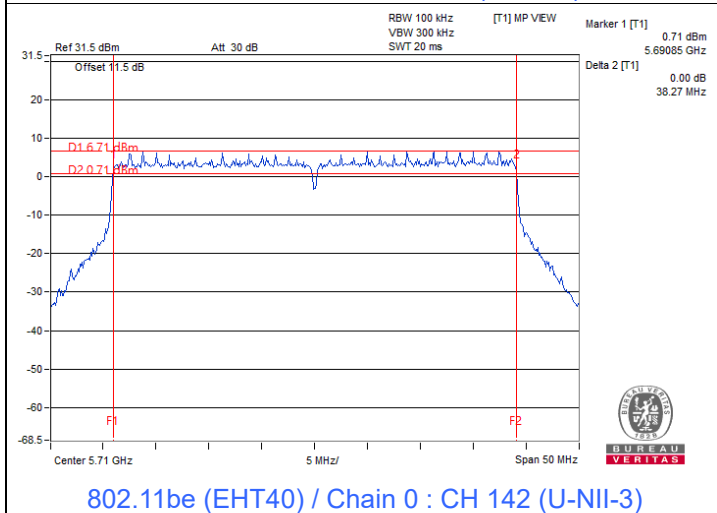
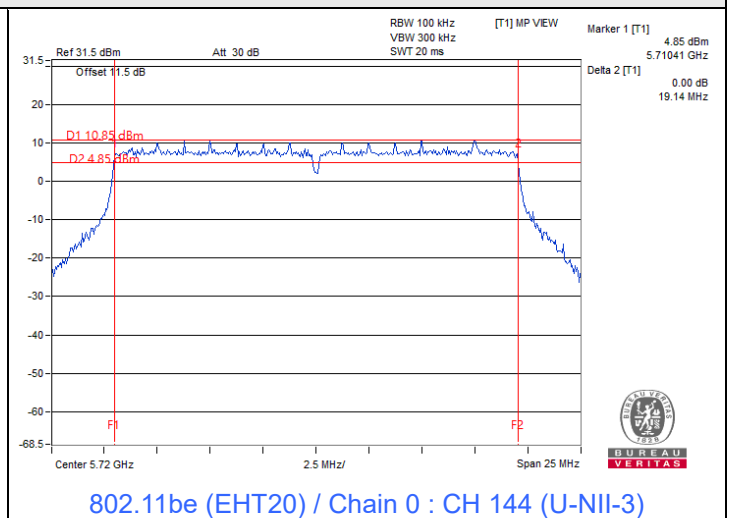
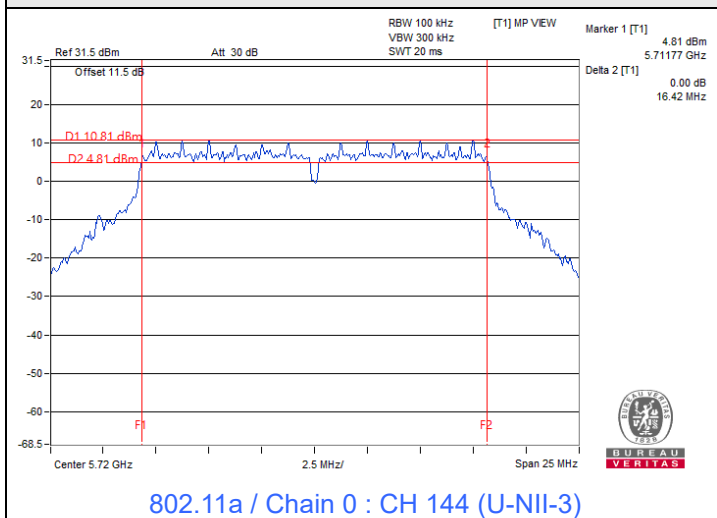
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	4.21	4.23	0.5	Pass
155	5775	78.44	78.42	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	4.36	4.39	0.5	Pass

Spectrum Plot of Minimum Value



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

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Matthew Yang, Ivan Tseng
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.04	17.04
40	5200	17.04	17.04
48	5240	17.04	17.16
52	5260	17.04	17.04
60	5300	17.04	17.04
64	5320	17.04	17.04
100	5500	17.04	17.04
116	5580	17.04	17.04
140	5700	17.04	17.04
144 (U-NII-2C)	5720	13.64	13.64
144 (U-NII-3)	5720	3.40	3.40
149	5745	35.40	37.00
157	5785	34.60	35.60
165	5825	34.20	34.60

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.20	19.20
40	5200	19.20	19.20
48	5240	19.08	19.20
52	5260	19.20	19.08
60	5300	19.20	19.20
64	5320	19.20	19.20
100	5500	19.80	19.80
116	5580	19.90	19.90
140	5700	19.70	19.70
144 (U-NII-2C)	5720	14.60	14.72
144 (U-NII-3)	5720	4.60	4.48
149	5745	35.80	37.40
157	5785	35.40	34.60
165	5825	37.80	37.20

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	38.64	38.40
46	5230	38.64	38.64
54	5270	38.64	38.64
62	5310	38.64	38.64
102	5510	38.64	38.40
110	5550	38.64	38.64
134	5670	38.40	38.64
142 (U-NII-2C)	5710	34.44	34.20
142 (U-NII-3)	5710	4.20	4.20
151	5755	54.48	58.80
159	5795	57.84	56.88

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	78.24	78.24
58	5290	78.24	78.24
106	5530	78.24	78.24
122	5610	78.24	77.76
138 (U-NII-2C)	5690	73.88	74.36
138 (U-NII-3)	5690	3.88	3.88
155	5775	79.20	78.72

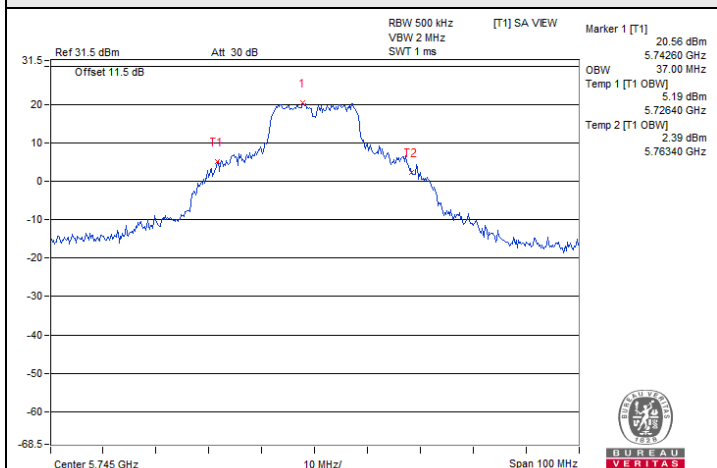
802.11be (EHT160)

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	78.72
114	5570	158.40	158.40

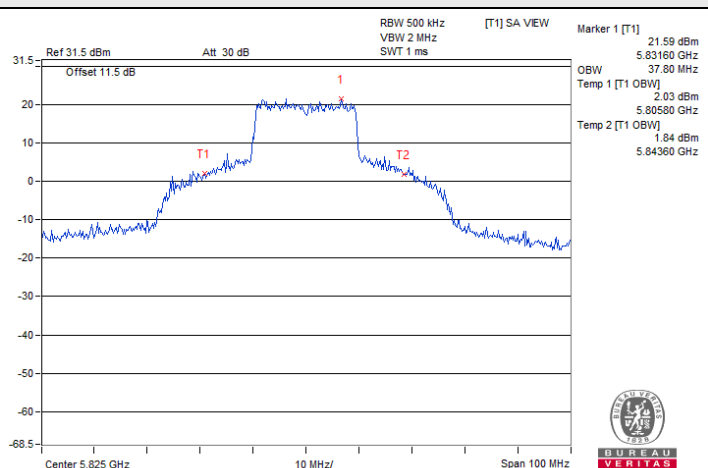
802.11be (EHT240)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
114+138 (U-NII-2C)	5610	233.08	233.08
114+138 (U-NII-3)	5610	3.08	3.08

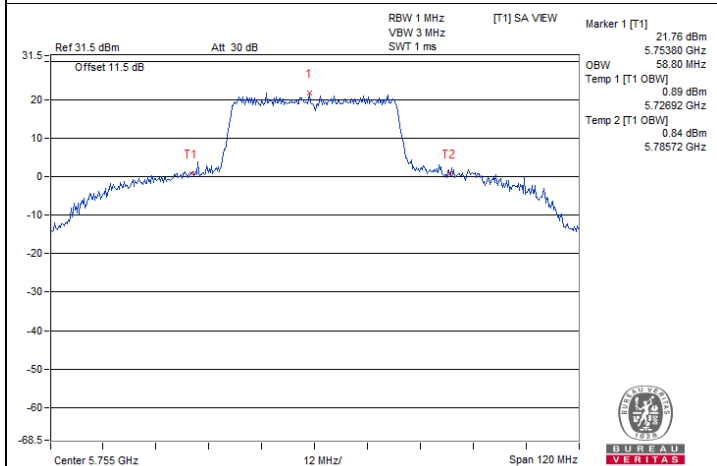
Spectrum Plot of Maximum Value



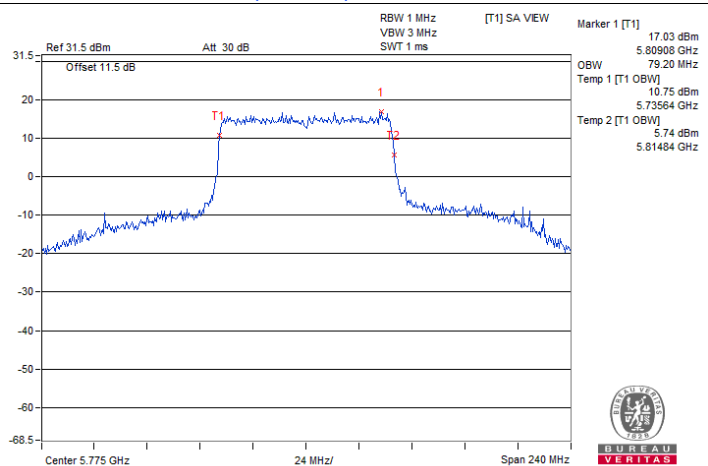
802.11a / Chain 1 : CH 149



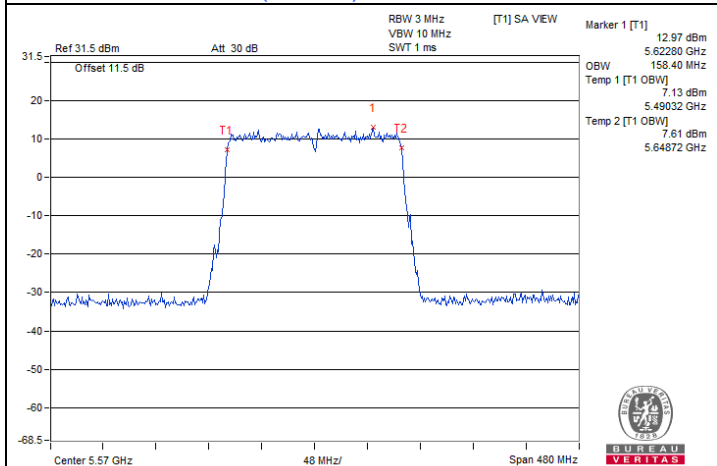
802.11be (EHT20) / Chain 0 : CH 165



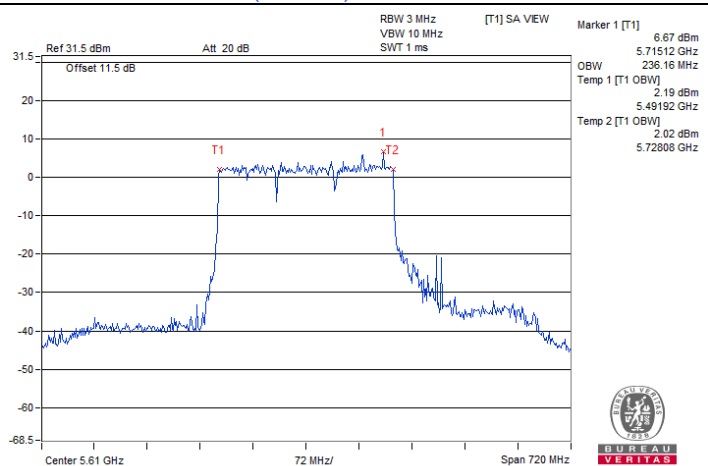
802.11be (EHT40) / Chain 1 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



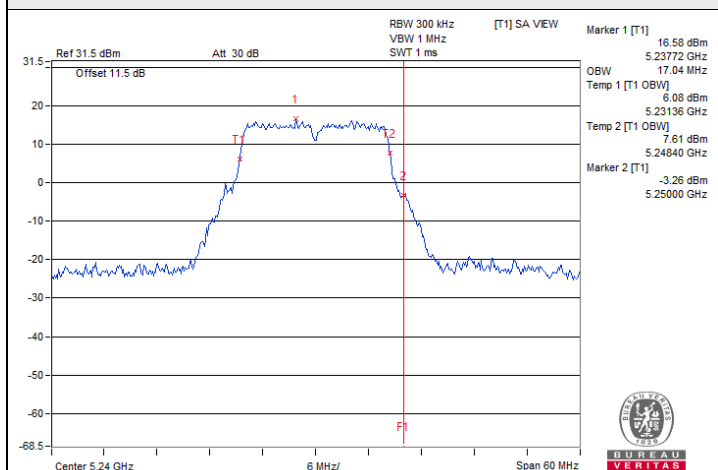
802.11be (EHT160) / Chain 0 : CH 114



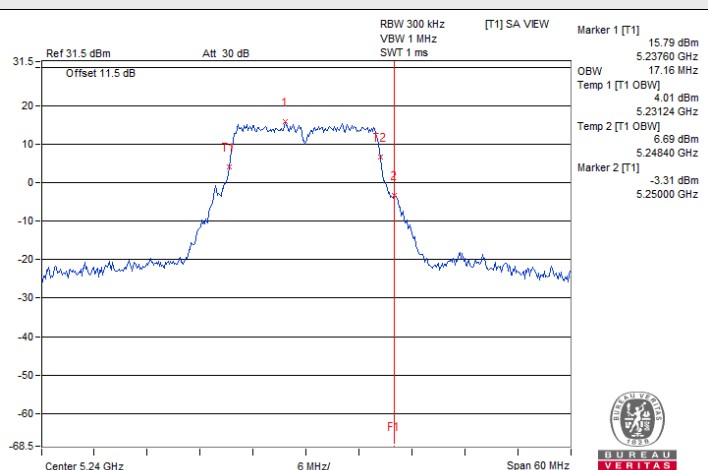
802.11be (EHT240) / Chain 0 : CH 114+138

Note: For U-NII-3 straddle channel = Temp 1 + OBW - 5725 MHz

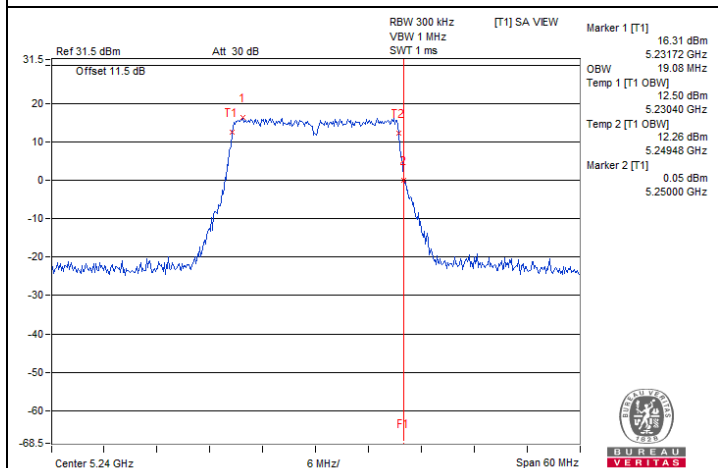
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



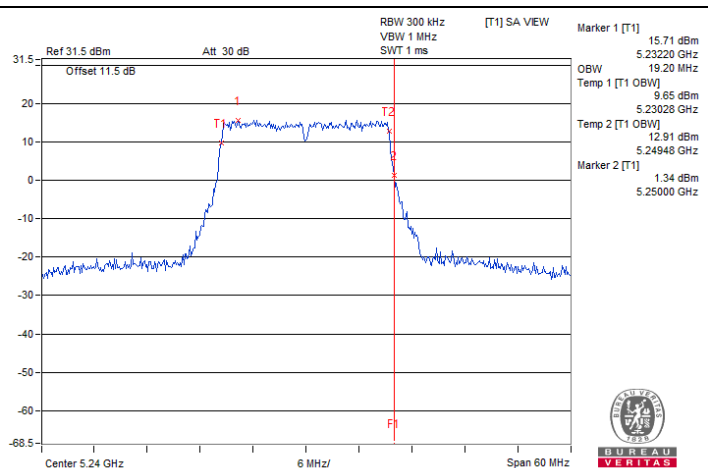
802.11a / Chain 0 : CH 48



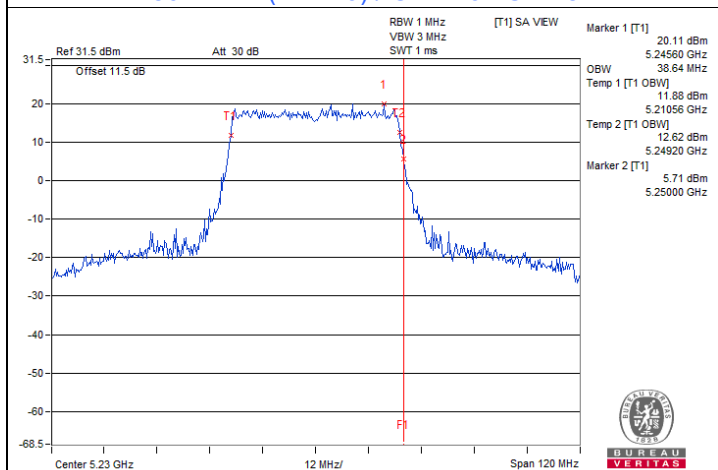
802.11a / Chain 1 : CH 48



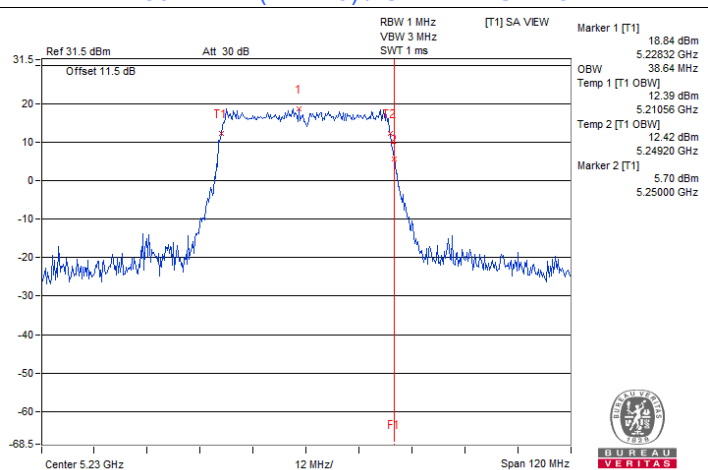
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT20) / Chain 1 : CH 48

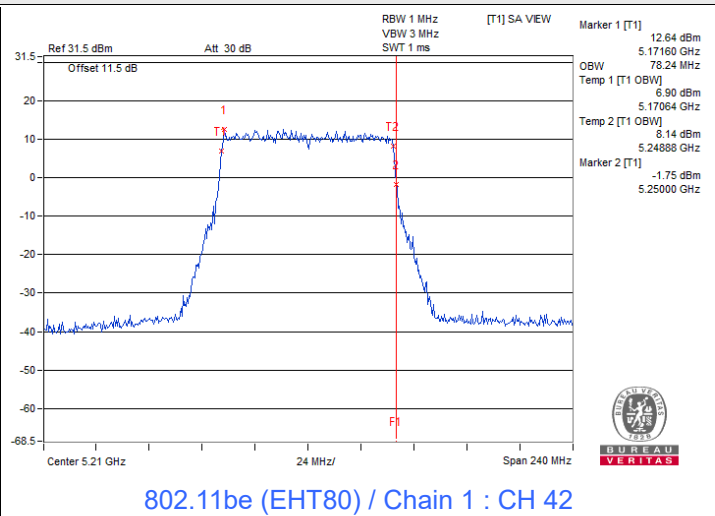
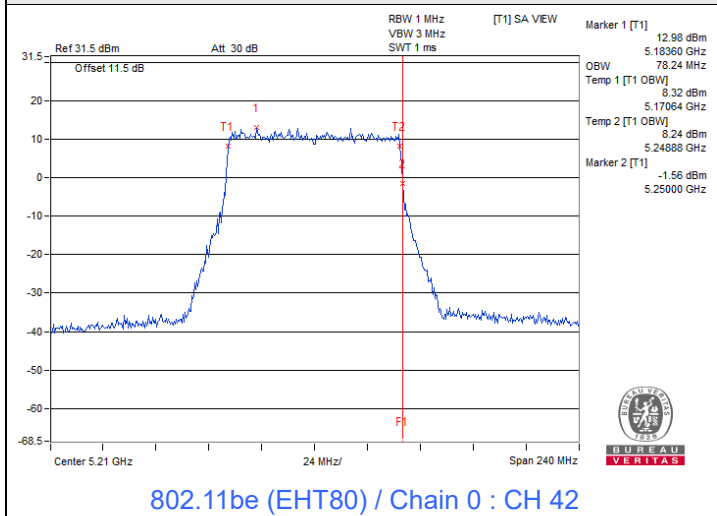


802.11be (EHT40) / Chain 0 : CH 46

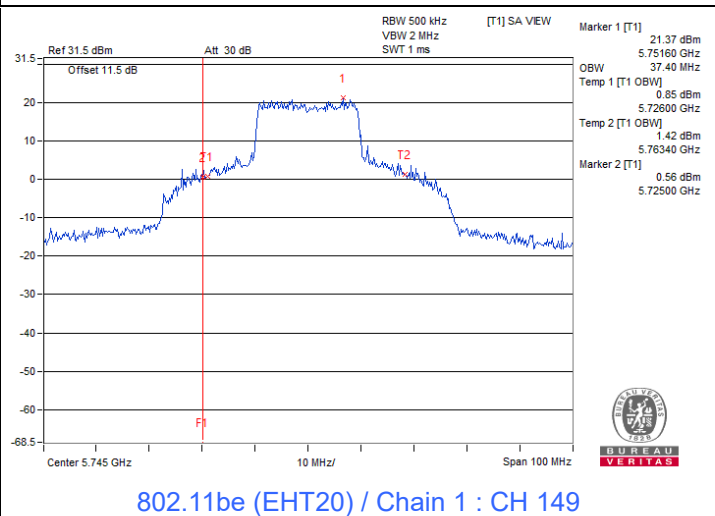
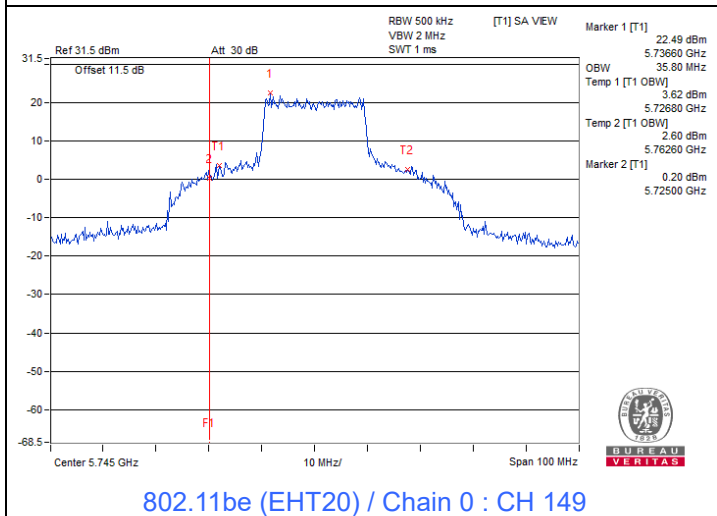
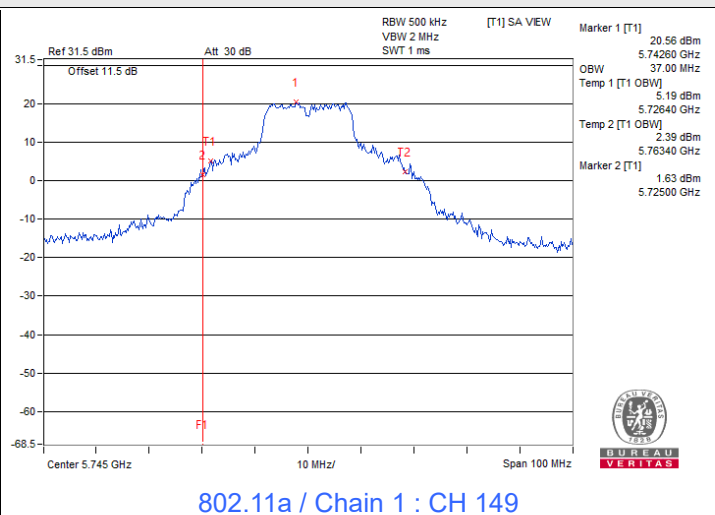
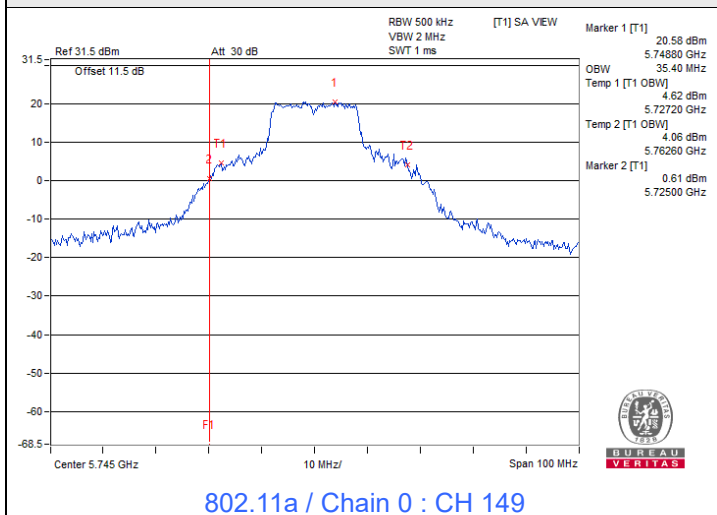


802.11be (EHT40) / Chain 1 : CH 46

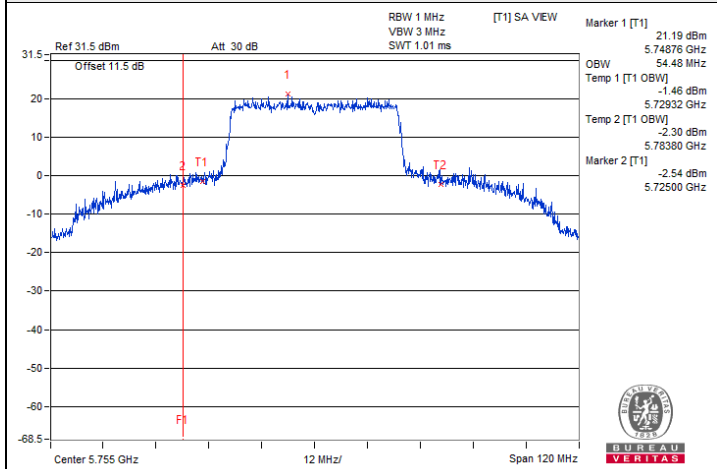
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



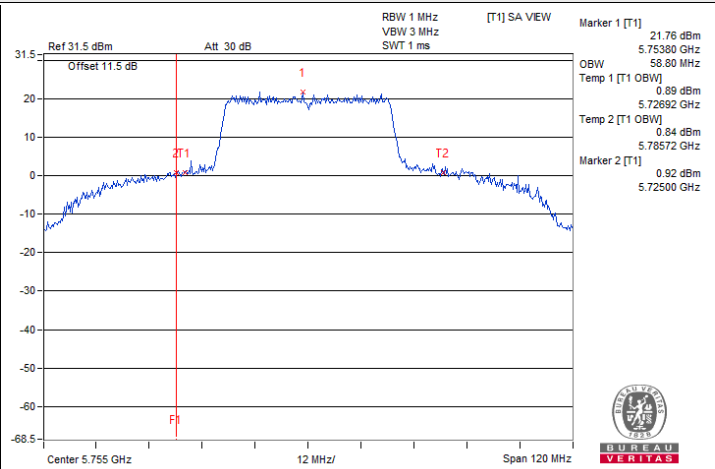
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



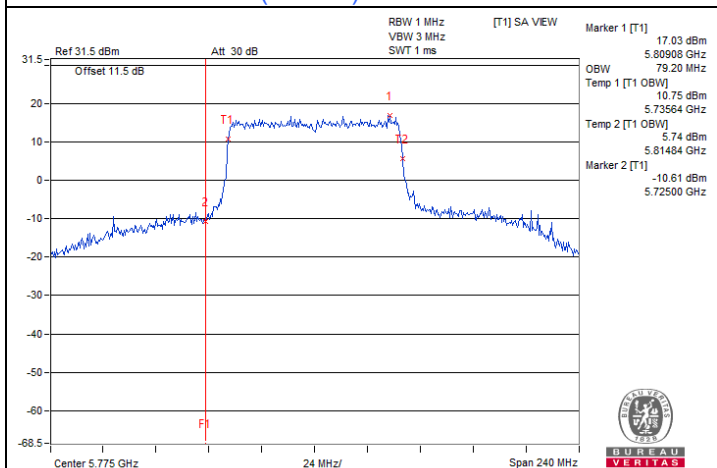
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



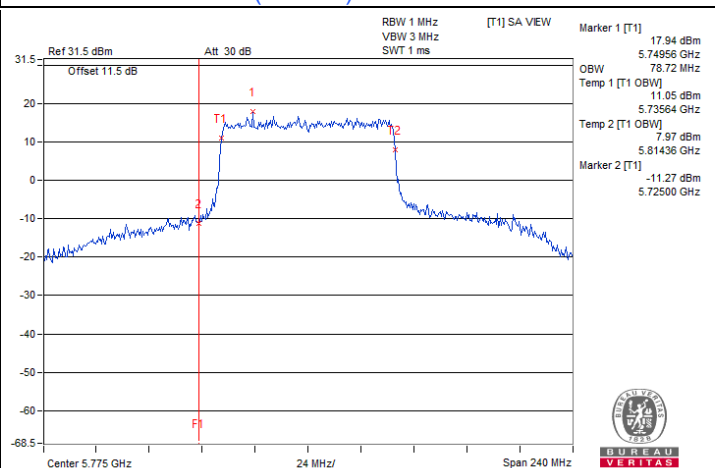
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Matthew Yang, Ivan Tseng
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Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
35	120	5180.0191	Pass	5180.018	Pass	5180.0183	Pass	5180.0173	Pass
30	120	5179.9859	Pass	5179.9869	Pass	5179.9852	Pass	5179.9852	Pass
20	120	5179.9816	Pass	5179.9819	Pass	5179.9789	Pass	5179.9802	Pass
10	120	5179.9894	Pass	5179.9859	Pass	5179.9897	Pass	5179.9849	Pass
0	120	5180.0011	Pass	5180.0036	Pass	5180.003	Pass	5179.9997	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9909	Pass	5179.9931	Pass	5179.9938	Pass	5179.9892	Pass
	120	5179.9816	Pass	5179.9819	Pass	5179.9789	Pass	5179.9802	Pass
	102	5179.9905	Pass	5179.9908	Pass	5179.9922	Pass	5179.9944	Pass

7.7 AC Power Conducted Emissions

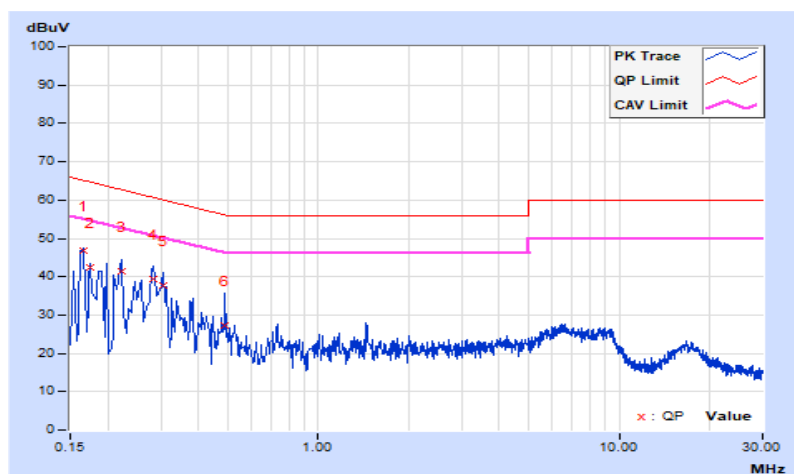
Mode A

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 66% 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	0.16535	9.67	37.29	21.53	46.96	31.20	65.19	55.19	-18.23	-23.99
2	0.17400	9.68	32.73	20.64	42.41	30.32	64.77	54.77	-22.36	-24.45
3	0.22200	9.71	31.54	18.92	41.25	28.63	62.74	52.74	-21.49	-24.11
4	0.28200	9.74	29.79	17.93	39.53	27.67	60.76	50.76	-21.23	-23.09
5	0.30550	9.75	27.95	18.31	37.70	28.06	60.09	50.09	-22.39	-22.03
6	0.49000	9.80	17.63	4.43	27.43	14.23	56.17	46.17	-28.74	-31.94

Remarks:

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

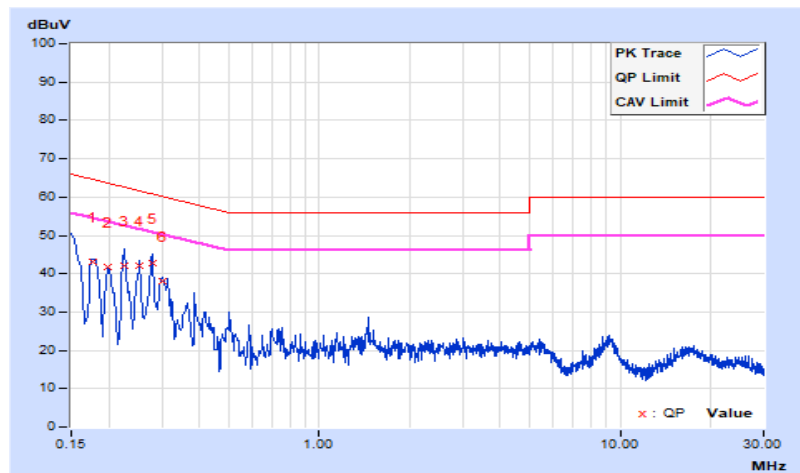


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 66% RH
Tested By	Luis Lee		

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	0.17615	9.68	33.32	23.35	43.00	33.03	64.67	54.67	-21.67	-21.64
2	0.19800	9.70	32.02	19.67	41.72	29.37	63.69	53.69	-21.97	-24.32
3	0.22600	9.71	32.51	23.99	42.22	33.70	62.60	52.60	-20.38	-18.90
4	0.25400	9.72	32.43	23.99	42.15	33.71	61.63	51.63	-19.48	-17.92
5	0.27786	9.73	33.03	25.73	42.76	35.46	60.88	50.88	-18.12	-15.42
6	0.30150	9.74	28.14	19.14	37.88	28.88	60.20	50.20	-22.32	-21.32

Remarks:

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



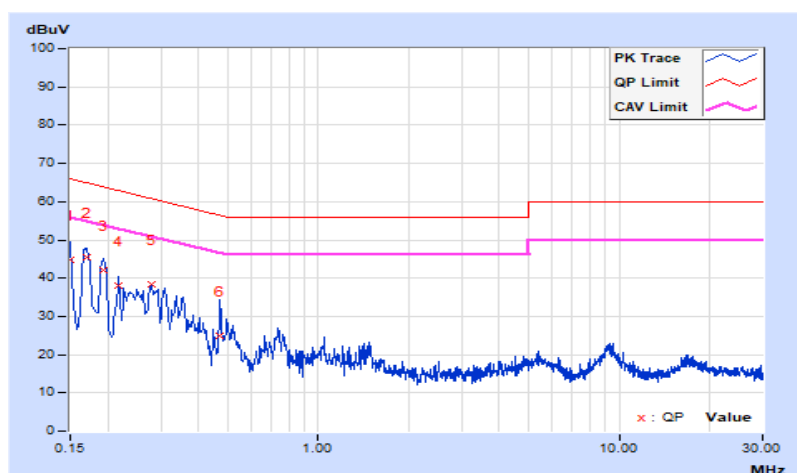
Mode B

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

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.68	34.96	21.43	44.64	31.11	66.00	56.00	-21.36	-24.89
2	0.16932	9.69	35.84	21.72	45.53	31.41	64.99	54.99	-19.46	-23.58
3	0.19400	9.70	32.51	19.60	42.21	29.30	63.86	53.86	-21.65	-24.56
4	0.21800	9.71	28.17	14.62	37.88	24.33	62.89	52.89	-25.01	-28.56
5	0.27786	9.75	28.56	20.74	38.31	30.49	60.88	50.88	-22.57	-20.39
6	0.47000	9.82	15.06	5.15	24.88	14.97	56.51	46.51	-31.63	-31.54

Remarks:

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

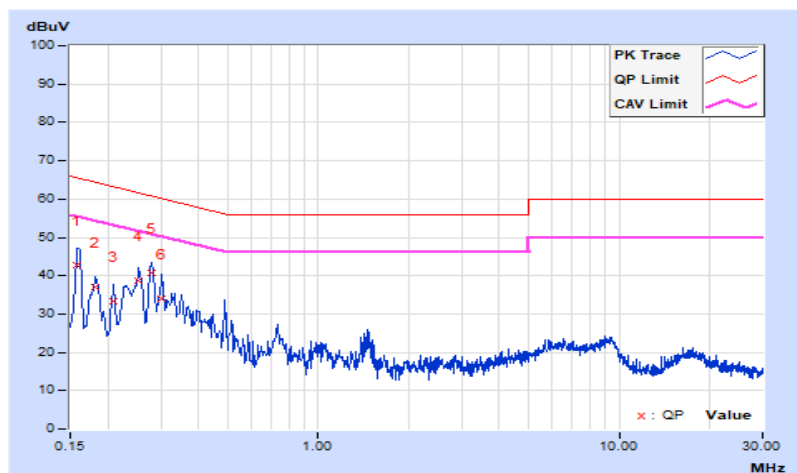


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15800	9.68	32.98	21.43	42.66	31.11	65.57	55.57	-22.91	-24.46
2	0.18200	9.69	27.31	11.35	37.00	21.04	64.39	54.39	-27.39	-33.35
3	0.21000	9.71	23.51	6.08	33.22	15.79	63.21	53.21	-29.99	-37.42
4	0.25400	9.74	28.85	21.19	38.59	30.93	61.63	51.63	-23.04	-20.70
5	0.27800	9.75	30.85	21.59	40.60	31.34	60.88	50.88	-20.28	-19.54
6	0.30200	9.77	24.32	15.07	34.09	24.84	60.19	50.19	-26.10	-25.35

Remarks:

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



7.8 Unwanted Emissions below 1 GHz

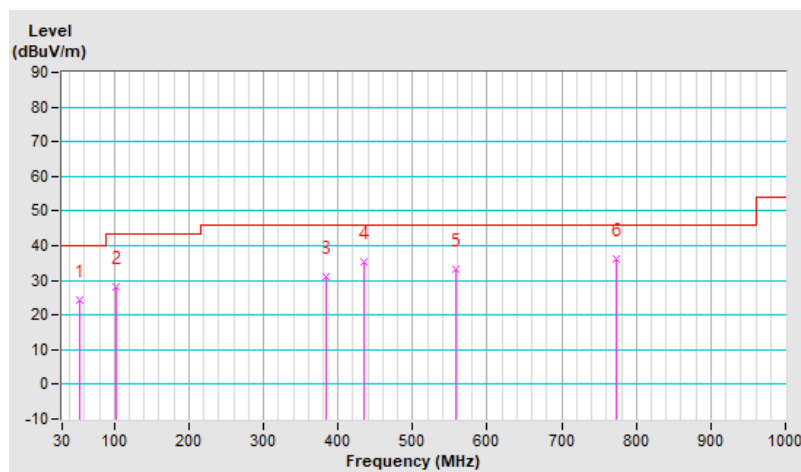
Mode A

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	52.49	24.4 QP	40.0	-15.6	1.00 H	178	33.0	-8.6
2	101.70	28.2 QP	43.5	-15.3	1.00 H	172	41.1	-12.9
3	384.26	31.0 QP	46.0	-15.0	1.00 H	133	36.9	-5.9
4	434.87	35.3 QP	46.0	-10.7	1.49 H	158	40.2	-4.9
5	557.17	33.2 QP	46.0	-12.8	1.49 H	135	36.1	-2.9
6	772.26	36.2 QP	46.0	-9.8	1.49 H	338	33.9	2.3

Remarks:

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

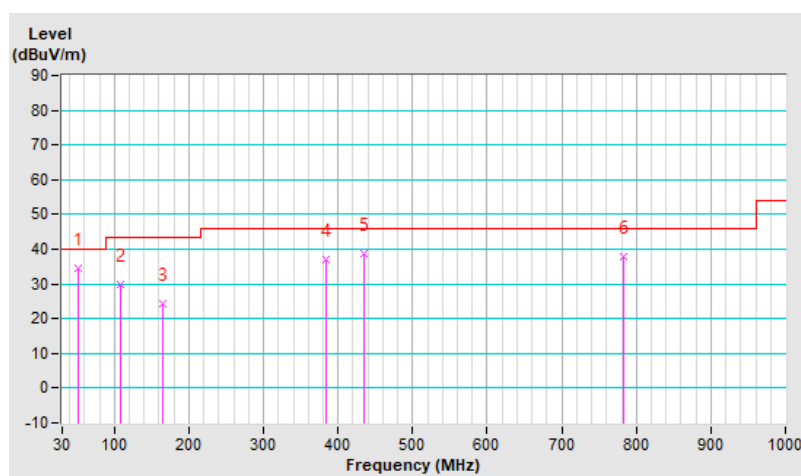


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.09	34.7 QP	40.0	-5.3	1.01 V	312	43.3	-8.6
2	107.32	29.9 QP	43.5	-13.6	1.01 V	229	41.9	-12.0
3	164.96	24.4 QP	43.5	-19.1	1.01 V	6	33.1	-8.7
4	384.26	37.2 QP	46.0	-8.8	1.01 V	300	43.1	-5.9
5	434.87	38.7 QP	46.0	-7.3	1.01 V	75	43.6	-4.9
6	782.10	38.0 QP	46.0	-8.0	1.01 V	14	35.6	2.4

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



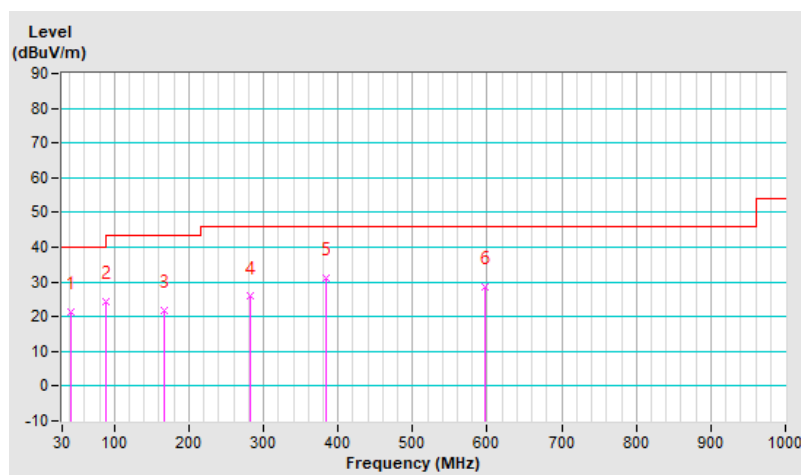
Mode B

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	41.25	21.2 QP	40.0	-18.8	1.49 H	280	30.3	-9.1
2	89.04	24.5 QP	43.5	-19.0	1.00 H	172	38.9	-14.4
3	166.36	21.6 QP	43.5	-21.9	1.49 H	228	30.3	-8.7
4	283.04	25.8 QP	46.0	-20.2	1.00 H	116	33.6	-7.8
5	384.26	31.0 QP	46.0	-15.0	1.00 H	133	36.9	-5.9
6	596.54	28.7 QP	46.0	-17.3	1.49 H	137	30.2	-1.5

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

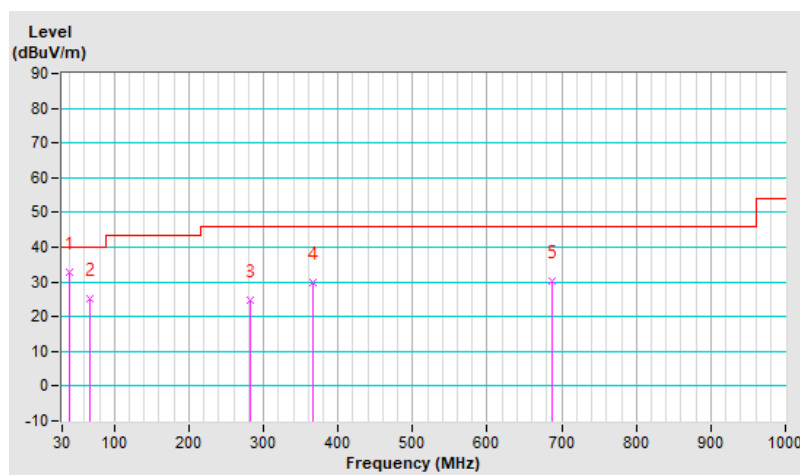


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	39.84	33.0 QP	40.0	-7.0	1.51 V	213	42.4	-9.4
2	66.55	25.1 QP	40.0	-14.9	1.01 V	54	35.2	-10.1
3	281.64	24.9 QP	46.0	-21.1	1.01 V	19	32.7	-7.8
4	365.99	29.8 QP	46.0	-16.2	1.51 V	329	36.0	-6.2
5	686.51	30.2 QP	46.0	-15.8	2.00 V	75	30.3	-0.1

Remarks:

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



7.9 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	1.61 H	273	48.4	12.7
2	5150.00	48.2 AV	54.0	-5.8	1.61 H	273	35.5	12.7
3	*5180.00	111.5 PK			1.61 H	273	68.4	43.1
4	*5180.00	102.1 AV			1.61 H	273	59.0	43.1
5	#10360.00	60.2 PK	68.2	-8.0	3.11 H	192	38.5	21.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.50	68.3 PK	74.0	-5.7	1.21 V	150	55.6	12.7
2	5149.50	53.7 AV	54.0	-0.3	1.21 V	150	41.0	12.7
3	*5180.00	119.0 PK			1.21 V	150	75.9	43.1
4	*5180.00	109.4 AV			1.21 V	150	66.3	43.1
5	#10360.00	60.6 PK	68.2	-7.6	2.35 V	162	38.9	21.7

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.5 PK	74.0	-10.5	1.58 H	272	50.8	12.7
2	5150.00	49.3 AV	54.0	-4.7	1.58 H	272	36.6	12.7
3	*5200.00	114.8 PK			1.58 H	272	71.8	43.0
4	*5200.00	105.3 AV			1.58 H	272	62.3	43.0
5	#10400.00	61.5 PK	68.2	-6.7	3.19 H	185	39.5	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5147.20	67.7 PK	74.0	-6.3	1.50 V	315	55.0	12.7
2	5147.20	53.5 AV	54.0	-0.5	1.50 V	315	40.8	12.7
3	*5200.00	122.0 PK			1.50 V	315	79.0	43.0
4	*5200.00	112.0 AV			1.50 V	315	69.0	43.0
5	#10400.00	62.2 PK	68.2	-6.0	2.43 V	166	40.2	22.0

Remarks:

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

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	115.1 PK			1.60 H	271	72.1	43.0
2	*5240.00	105.4 AV			1.60 H	271	62.4	43.0
3	5350.00	59.7 PK	74.0	-14.3	1.60 H	271	46.8	12.9
4	5350.00	46.7 AV	54.0	-7.3	1.60 H	271	33.8	12.9
5	#10480.00	61.2 PK	68.2	-7.0	3.05 H	198	39.3	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	121.1 PK			1.51 V	182	78.1	43.0
2	*5240.00	111.5 AV			1.51 V	182	68.5	43.0
3	5350.00	59.9 PK	74.0	-14.1	1.51 V	182	47.0	12.9
4	5350.00	46.9 AV	54.0	-7.1	1.51 V	182	34.0	12.9
5	#10480.00	61.9 PK	68.2	-6.3	2.44 V	139	40.0	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 (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	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.2 PK	74.0	-12.8	1.61 H	272	48.5	12.7
2	5150.00	48.2 AV	54.0	-5.8	1.61 H	272	35.5	12.7
3	*5180.00	113.7 PK			1.61 H	272	70.6	43.1
4	*5180.00	101.5 AV			1.61 H	272	58.4	43.1
5	#10360.00	61.1 PK	68.2	-7.1	3.11 H	185	39.4	21.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.90	66.1 PK	74.0	-7.9	1.35 V	156	53.4	12.7
2	5149.90	53.2 AV	54.0	-0.8	1.35 V	156	40.5	12.7
3	*5180.00	121.7 PK			1.35 V	156	78.6	43.1
4	*5180.00	108.5 AV			1.35 V	156	65.4	43.1
5	#10360.00	61.8 PK	68.2	-6.4	2.36 V	158	40.1	21.7

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.2 PK	74.0	-10.8	1.57 H	272	50.5	12.7
2	5150.00	49.4 AV	54.0	-4.6	1.57 H	272	36.7	12.7
3	*5200.00	117.5 PK			1.57 H	272	74.5	43.0
4	*5200.00	104.6 AV			1.57 H	272	61.6	43.0
5	#10400.00	61.5 PK	68.2	-6.7	3.12 H	193	39.5	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.10	67.6 PK	74.0	-6.4	1.60 V	325	54.9	12.7
2	5149.10	53.5 AV	54.0	-0.5	1.60 V	325	40.8	12.7
3	*5200.00	123.2 PK			1.60 V	325	80.2	43.0
4	*5200.00	111.4 AV			1.60 V	325	68.4	43.0
5	#10400.00	62.5 PK	68.2	-5.7	2.31 V	179	40.5	22.0

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	117.2 PK			1.58 H	269	74.2	43.0
2	*5240.00	104.3 AV			1.58 H	269	61.3	43.0
3	5350.00	60.9 PK	74.0	-13.1	1.58 H	269	48.0	12.9
4	5350.00	47.4 AV	54.0	-6.6	1.58 H	269	34.5	12.9
5	#10480.00	61.3 PK	68.2	-6.9	3.11 H	189	39.4	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	125.4 PK			1.60 V	321	82.4	43.0
2	*5240.00	111.6 AV			1.60 V	321	68.6	43.0
3	5350.00	62.5 PK	74.0	-11.5	1.60 V	321	49.6	12.9
4	5350.00	47.9 AV	54.0	-6.1	1.60 V	321	35.0	12.9
5	#10480.00	62.4 PK	68.2	-5.8	2.31 V	166	40.5	21.9

Remarks:

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

RF Mode	802.11be (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	TitanHSU		

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	61.5 PK	74.0	-12.5	1.63 H	272	48.8	12.7
2	5150.00	47.9 AV	54.0	-6.1	1.63 H	272	35.2	12.7
3	*5190.00	111.4 PK			1.63 H	272	68.3	43.1
4	*5190.00	98.6 AV			1.63 H	272	55.5	43.1
5	#10380.00	61.1 PK	68.2	-7.1	3.12 H	195	39.2	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.90	70.8 PK	74.0	-3.2	1.62 V	186	58.1	12.7
2	5149.90	53.4 AV	54.0	-0.6	1.62 V	186	40.7	12.7
3	*5190.00	118.1 PK			1.62 V	186	75.0	43.1
4	*5190.00	104.6 AV			1.62 V	186	61.5	43.1
5	#10380.00	61.5 PK	68.2	-6.7	2.28 V	163	39.6	21.9

Remarks:

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

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

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	1.52 H	270	49.0	12.7
2	5150.00	48.0 AV	54.0	-6.0	1.52 H	270	35.3	12.7
3	*5230.00	114.7 PK			1.52 H	270	71.7	43.0
4	*5230.00	101.6 AV			1.52 H	270	58.6	43.0
5	5350.00	60.1 PK	74.0	-13.9	1.52 H	270	47.2	12.9
6	5350.00	47.2 AV	54.0	-6.8	1.52 H	270	34.3	12.9
7	#10460.00	61.2 PK	68.2	-7.0	3.15 H	182	39.2	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.00	68.0 PK	74.0	-6.0	1.23 V	161	55.3	12.7
2	5148.00	53.4 AV	54.0	-0.6	1.23 V	161	40.7	12.7
3	*5230.00	121.8 PK			1.23 V	161	78.8	43.0
4	*5230.00	108.1 AV			1.23 V	161	65.1	43.0
5	5350.00	60.8 PK	74.0	-13.2	1.23 V	161	47.9	12.9
6	5350.00	47.8 AV	54.0	-6.2	1.23 V	161	34.9	12.9
7	#10460.00	61.9 PK	68.2	-6.3	2.35 V	163	39.9	22.0

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 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	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.7 PK	74.0	-13.3	1.50 H	272	48.0	12.7
2	5150.00	47.5 AV	54.0	-6.5	1.50 H	272	34.8	12.7
3	*5210.00	107.5 PK			1.50 H	272	64.5	43.0
4	*5210.00	94.8 AV			1.50 H	272	51.8	43.0
5	#10420.00	61.2 PK	68.2	-7.0	3.18 H	197	39.2	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5140.00	65.9 PK	74.0	-8.1	1.22 V	321	53.2	12.7
2	5140.00	53.5 AV	54.0	-0.5	1.22 V	321	40.8	12.7
3	*5210.00	113.9 PK			1.22 V	321	70.9	43.0
4	*5210.00	101.2 AV			1.22 V	321	58.2	43.0
5	#10420.00	61.9 PK	68.2	-6.3	2.17 V	182	39.9	22.0

Remarks:

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

RF Mode	802.11a	Channel	CH 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	TitanHSU		

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	60.2 PK	74.0	-13.8	1.46 H	272	47.5	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.46 H	272	34.5	12.7
3	*5260.00	110.4 PK			1.46 H	272	67.4	43.0
4	*5260.00	101.0 AV			1.46 H	272	58.0	43.0
5	#10520.00	61.4 PK	68.2	-6.8	3.12 H	198	39.5	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.4 PK	74.0	-13.6	1.51 V	158	47.7	12.7
2	5150.00	47.5 AV	54.0	-6.5	1.51 V	158	34.8	12.7
3	*5260.00	117.7 PK			1.51 V	158	74.7	43.0
4	*5260.00	108.5 AV			1.51 V	158	65.5	43.0
5	#10520.00	61.9 PK	68.2	-6.3	2.23 V	165	40.0	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	802.11a	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	TitanHSU		

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	109.6 PK			1.44 H	273	66.5	43.1
2	*5300.00	100.4 AV			1.44 H	273	57.3	43.1
3	10600.00	61.5 PK	74.0	-12.5	3.19 H	187	39.5	22.0
4	10600.00	48.1 AV	54.0	-5.9	3.19 H	187	26.1	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.9 PK			1.63 V	192	73.8	43.1
2	*5300.00	107.3 AV			1.63 V	192	64.2	43.1
3	10600.00	61.8 PK	74.0	-12.2	2.21 V	169	39.8	22.0
4	10600.00	48.3 AV	54.0	-5.7	2.21 V	169	26.3	22.0

Remarks:

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

RF Mode	802.11a	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	TitanHSU		

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	109.6 PK			1.44 H	273	66.4	43.2
2	*5320.00	100.1 AV			1.44 H	273	56.9	43.2
3	5350.00	60.7 PK	74.0	-13.3	1.44 H	273	47.8	12.9
4	5350.00	47.6 AV	54.0	-6.4	1.44 H	273	34.7	12.9
5	10640.00	61.6 PK	74.0	-12.4	3.12 H	182	39.3	22.3
6	10640.00	48.1 AV	54.0	-5.9	3.12 H	182	25.8	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	*5320.00	116.5 PK			1.37 V	191	73.3	43.2
2	*5320.00	107.0 AV			1.37 V	191	63.8	43.2
3	5350.00	61.0 PK	74.0	-13.0	1.37 V	191	48.1	12.9
4	5350.00	48.1 AV	54.0	-5.9	1.37 V	191	35.2	12.9
5	10640.00	62.0 PK	74.0	-12.0	2.19 V	162	39.7	22.3
6	10640.00	48.4 AV	54.0	-5.6	2.19 V	162	26.1	22.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 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	TitanHSU		

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	60.2 PK	74.0	-13.8	1.48 H	274	47.5	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.48 H	274	34.5	12.7
3	*5260.00	112.0 PK			1.48 H	274	69.0	43.0
4	*5260.00	100.4 AV			1.48 H	274	57.4	43.0
5	#10520.00	61.4 PK	68.2	-6.8	3.11 H	189	39.5	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.6 PK	74.0	-13.4	1.40 V	155	47.9	12.7
2	5150.00	47.4 AV	54.0	-6.6	1.40 V	155	34.7	12.7
3	*5260.00	119.6 PK			1.40 V	155	76.6	43.0
4	*5260.00	107.4 AV			1.40 V	155	64.4	43.0
5	#10520.00	61.7 PK	68.2	-6.5	2.16 V	172	39.8	21.9

Remarks:

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

RF Mode	802.11be (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	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	111.6 PK			1.51 H	270	68.5	43.1
2	*5300.00	99.8 AV			1.51 H	270	56.7	43.1
3	10600.00	61.5 PK	74.0	-12.5	3.05 H	188	39.5	22.0
4	10600.00	48.1 AV	54.0	-5.9	3.05 H	188	26.1	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	118.9 PK			1.39 V	193	75.8	43.1
2	*5300.00	106.3 AV			1.39 V	193	63.2	43.1
3	10600.00	61.8 PK	74.0	-12.2	2.25 V	175	39.8	22.0
4	10600.00	48.3 AV	54.0	-5.7	2.25 V	175	26.3	22.0

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.2 PK			1.49 H	270	68.0	43.2
2	*5320.00	100.0 AV			1.49 H	270	56.8	43.2
3	5350.00	60.5 PK	74.0	-13.5	1.49 H	270	47.6	12.9
4	5350.00	47.4 AV	54.0	-6.6	1.49 H	270	34.5	12.9
5	10640.00	61.6 PK	74.0	-12.4	3.13 H	192	39.3	22.3
6	10640.00	48.2 AV	54.0	-5.8	3.13 H	192	25.9	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	117.8 PK			1.53 V	160	74.6	43.2
2	*5320.00	105.6 AV			1.53 V	160	62.4	43.2
3	5350.00	60.8 PK	74.0	-13.2	1.53 V	160	47.9	12.9
4	5350.00	47.8 AV	54.0	-6.2	1.53 V	160	34.9	12.9
5	10640.00	62.0 PK	74.0	-12.0	2.22 V	169	39.7	22.3
6	10640.00	48.4 AV	54.0	-5.6	2.22 V	169	26.1	22.3

Remarks:

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

RF Mode	802.11be (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	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.7 PK	74.0	-13.3	1.47 H	270	48.0	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.47 H	270	34.5	12.7
3	*5270.00	109.5 PK			1.47 H	270	66.5	43.0
4	*5270.00	97.3 AV			1.47 H	270	54.3	43.0
5	#10540.00	61.2 PK	68.2	-7.0	3.10 H	188	39.3	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.3 PK	74.0	-12.7	1.42 V	156	48.6	12.7
2	5150.00	47.6 AV	54.0	-6.4	1.42 V	156	34.9	12.7
3	*5270.00	116.1 PK			1.42 V	156	73.1	43.0
4	*5270.00	103.7 AV			1.42 V	156	60.7	43.0
5	#10540.00	61.6 PK	68.2	-6.6	2.23 V	165	39.7	21.9

Remarks:

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

RF Mode	802.11be (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	TitanHSU		

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	109.1 PK			1.47 H	271	66.0	43.1
2	*5310.00	96.4 AV			1.47 H	271	53.3	43.1
3	5350.00	60.9 PK	74.0	-13.1	1.47 H	271	48.0	12.9
4	5350.00	47.9 AV	54.0	-6.1	1.47 H	271	35.0	12.9
5	10620.00	61.3 PK	74.0	-12.7	3.12 H	189	39.2	22.1
6	10620.00	47.8 AV	54.0	-6.2	3.12 H	189	25.7	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	*5310.00	116.6 PK			1.61 V	187	73.5	43.1
2	*5310.00	103.6 AV			1.61 V	187	60.5	43.1
3	5350.00	65.0 PK	74.0	-9.0	1.61 V	187	52.1	12.9
4	5350.00	51.1 AV	54.0	-2.9	1.61 V	187	38.2	12.9
5	10620.00	61.7 PK	74.0	-12.3	2.18 V	163	39.6	22.1
6	10620.00	48.1 AV	54.0	-5.9	2.18 V	163	26.0	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.

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	TitanHSU		

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	60.5 PK	74.0	-13.5	1.47 H	271	47.8	12.7
2	5150.00	47.5 AV	54.0	-6.5	1.47 H	271	34.8	12.7
3	*5290.00	106.7 PK			1.47 H	271	63.6	43.1
4	*5290.00	94.0 AV			1.47 H	271	50.9	43.1
5	5350.00	61.1 PK	74.0	-12.9	1.47 H	271	48.2	12.9
6	5350.00	47.9 AV	54.0	-6.1	1.47 H	271	35.0	12.9
7	#10580.00	61.0 PK	68.2	-7.2	3.05 H	192	39.0	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.8 PK	74.0	-13.2	1.60 V	190	48.1	12.7
2	5150.00	48.1 AV	54.0	-5.9	1.60 V	190	35.4	12.7
3	*5290.00	114.1 PK			1.60 V	190	71.0	43.1
4	*5290.00	100.7 AV			1.60 V	190	57.6	43.1
5	5350.00	62.4 PK	74.0	-11.6	1.60 V	190	49.5	12.9
6	5350.00	48.8 AV	54.0	-5.2	1.60 V	190	35.9	12.9
7	#10580.00	61.4 PK	68.2	-6.8	2.21 V	163	39.4	22.0

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	1.49 H	269	49.0	12.7
2	5150.00	48.4 AV	54.0	-5.6	1.49 H	269	35.7	12.7
3	*5250.00	105.6 PK			1.49 H	269	62.7	42.9
4	*5250.00	92.6 AV			1.49 H	269	49.7	42.9
5	5350.00	61.3 PK	74.0	-12.7	1.49 H	269	48.4	12.9
6	5350.00	48.3 AV	54.0	-5.7	1.49 H	269	35.4	12.9
7	#10500.00	60.9 PK	68.2	-7.3	3.02 H	195	39.0	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.6 PK	74.0	-4.4	1.37 V	317	56.9	12.7
2	5150.00	51.6 AV	54.0	-2.4	1.37 V	317	38.9	12.7
3	*5250.00	111.2 PK			1.37 V	317	68.3	42.9
4	*5250.00	98.2 AV			1.37 V	317	55.3	42.9
5	5350.00	65.8 PK	74.0	-8.2	1.37 V	317	52.9	12.9
6	5350.00	53.4 AV	54.0	-0.6	1.37 V	317	40.5	12.9
7	#10500.00	61.4 PK	68.2	-6.8	2.18 V	185	39.5	21.9

Remarks:

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

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	1.40 H	91	47.8	13.0
2	5460.00	48.2 AV	54.0	-5.8	1.40 H	91	35.2	13.0
3	#5470.00	61.0 PK	68.2	-7.2	1.40 H	91	48.0	13.0
4	*5500.00	111.2 PK			1.40 H	91	67.7	43.5
5	*5500.00	101.7 AV			1.40 H	91	58.2	43.5
6	11000.00	62.3 PK	74.0	-11.7	3.11 H	199	39.5	22.8
7	11000.00	48.9 AV	54.0	-5.1	3.11 H	199	26.1	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	1.71 V	110	48.1	13.0
2	5460.00	48.6 AV	54.0	-5.4	1.71 V	110	35.6	13.0
3	#5470.00	62.2 PK	68.2	-6.0	1.71 V	110	49.2	13.0
4	*5500.00	117.7 PK			1.71 V	110	74.2	43.5
5	*5500.00	107.8 AV			1.71 V	110	64.3	43.5
6	11000.00	62.7 PK	74.0	-11.3	2.25 V	163	39.9	22.8
7	11000.00	49.1 AV	54.0	-4.9	2.25 V	163	26.3	22.8

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	110.6 PK			1.46 H	95	67.0	43.6
2	*5580.00	101.5 AV			1.46 H	95	57.9	43.6
3	11160.00	61.7 PK	74.0	-12.3	3.12 H	186	39.4	22.3
4	11160.00	48.3 AV	54.0	-5.7	3.12 H	186	26.0	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	117.1 PK			1.78 V	108	73.5	43.6
2	*5580.00	108.0 AV			1.78 V	108	64.4	43.6
3	11160.00	62.2 PK	74.0	-11.8	2.23 V	169	39.9	22.3
4	11160.00	48.6 AV	54.0	-5.4	2.23 V	169	26.3	22.3

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.2 PK			1.52 H	98	68.0	44.2
2	*5700.00	102.9 AV			1.52 H	98	58.7	44.2
3	#5725.00	61.7 PK	68.2	-6.5	1.52 H	98	48.0	13.7
4	11400.00	62.7 PK	74.0	-11.3	3.15 H	192	39.3	23.4
5	11400.00	49.4 AV	54.0	-4.6	3.15 H	192	26.0	23.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	118.3 PK			1.76 V	109	74.1	44.2
2	*5700.00	108.3 AV			1.76 V	109	64.1	44.2
3	#5725.00	62.8 PK	68.2	-5.4	1.76 V	109	49.1	13.7
4	11400.00	63.1 PK	74.0	-10.9	2.22 V	167	39.7	23.4
5	11400.00	49.6 AV	54.0	-4.4	2.22 V	167	26.2	23.4

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.6 PK	68.2	-7.6	1.57 H	93	47.6	13.0
2	*5720.00	113.8 PK			1.57 H	93	69.4	44.4
3	*5720.00	104.1 AV			1.57 H	93	59.7	44.4
4	#5850.00	61.7 PK	68.2	-6.5	1.57 H	93	47.7	14.0
5	11440.00	62.5 PK	74.0	-11.5	3.11 H	195	39.2	23.3
6	11440.00	49.4 AV	54.0	-4.6	3.11 H	195	26.1	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.8 PK	68.2	-7.4	1.75 V	110	47.8	13.0
2	*5720.00	117.3 PK			1.75 V	110	72.9	44.4
3	*5720.00	108.0 AV			1.75 V	110	63.6	44.4
4	#5850.00	61.9 PK	68.2	-6.3	1.75 V	110	47.9	14.0
5	11440.00	63.2 PK	74.0	-10.8	2.19 V	169	39.9	23.3
6	11440.00	49.6 AV	54.0	-4.4	2.19 V	169	26.3	23.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	1.39 H	95	48.5	13.0
2	5460.00	48.0 AV	54.0	-6.0	1.39 H	95	35.0	13.0
3	#5470.00	61.6 PK	68.2	-6.6	1.39 H	95	48.6	13.0
4	*5500.00	114.0 PK			1.39 H	95	70.5	43.5
5	*5500.00	100.7 AV			1.39 H	95	57.2	43.5
6	11000.00	62.3 PK	74.0	-11.7	3.11 H	193	39.5	22.8
7	11000.00	48.8 AV	54.0	-5.2	3.11 H	193	26.0	22.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	1.70 V	110	49.1	13.0
2	5460.00	48.4 AV	54.0	-5.6	1.70 V	110	35.4	13.0
3	#5470.00	62.4 PK	68.2	-5.8	1.70 V	110	49.4	13.0
4	*5500.00	120.1 PK			1.70 V	110	76.6	43.5
5	*5500.00	107.6 AV			1.70 V	110	64.1	43.5
6	11000.00	62.6 PK	74.0	-11.4	2.28 V	162	39.8	22.8
7	11000.00	49.1 AV	54.0	-4.9	2.28 V	162	26.3	22.8

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	113.4 PK			1.40 H	94	69.8	43.6
2	*5580.00	101.3 AV			1.40 H	94	57.7	43.6
3	11160.00	61.5 PK	74.0	-12.5	3.12 H	193	39.2	22.3
4	11160.00	48.2 AV	54.0	-5.8	3.12 H	193	25.9	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	120.7 PK			1.80 V	107	77.1	43.6
2	*5580.00	107.7 AV			1.80 V	107	64.1	43.6
3	11160.00	62.2 PK	74.0	-11.8	2.23 V	165	39.9	22.3
4	11160.00	48.5 AV	54.0	-5.5	2.23 V	165	26.2	22.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.2 PK			1.38 H	98	71.0	44.2
2	*5700.00	103.2 AV			1.38 H	98	59.0	44.2
3	#5725.00	61.9 PK	68.2	-6.3	1.38 H	98	48.2	13.7
4	11400.00	62.6 PK	74.0	-11.4	3.09 H	192	39.2	23.4
5	11400.00	49.4 AV	54.0	-4.6	3.09 H	192	26.0	23.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	121.3 PK			1.67 V	110	77.1	44.2
2	*5700.00	108.1 AV			1.67 V	110	63.9	44.2
3	#5725.00	62.8 PK	68.2	-5.4	1.67 V	110	49.1	13.7
4	11400.00	63.1 PK	74.0	-10.9	2.23 V	159	39.7	23.4
5	11400.00	49.7 AV	54.0	-4.3	2.23 V	159	26.3	23.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	1.37 H	97	47.7	13.0
2	*5720.00	117.0 PK			1.37 H	97	72.6	44.4
3	*5720.00	104.3 AV			1.37 H	97	59.9	44.4
4	#5850.00	61.6 PK	68.2	-6.6	1.37 H	97	47.6	14.0
5	11440.00	62.7 PK	74.0	-11.3	3.02 H	192	39.4	23.3
6	11440.00	49.3 AV	54.0	-4.7	3.02 H	192	26.0	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.9 PK	68.2	-7.3	1.66 V	112	47.9	13.0
2	*5720.00	120.5 PK			1.66 V	112	76.1	44.4
3	*5720.00	107.9 AV			1.66 V	112	63.5	44.4
4	#5850.00	61.9 PK	68.2	-6.3	1.68 V	112	47.9	14.0
5	11440.00	63.1 PK	74.0	-10.9	2.23 V	172	39.8	23.3
6	11440.00	49.5 AV	54.0	-4.5	2.23 V	172	26.2	23.3

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.2 PK	74.0	-12.8	1.45 H	96	48.2	13.0
2	5460.00	48.2 AV	54.0	-5.8	1.45 H	96	35.2	13.0
3	#5470.00	61.3 PK	68.2	-6.9	1.45 H	96	48.3	13.0
4	*5510.00	111.3 PK			1.45 H	96	67.7	43.6
5	*5510.00	98.5 AV			1.45 H	96	54.9	43.6
6	11020.00	61.9 PK	74.0	-12.1	3.11 H	185	39.2	22.7
7	11020.00	48.5 AV	54.0	-5.5	3.11 H	185	25.8	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	5460.00	61.6 PK	74.0	-12.4	1.81 V	103	48.6	13.0
2	5460.00	48.6 AV	54.0	-5.4	1.81 V	103	35.6	13.0
3	#5470.00	62.2 PK	68.2	-6.0	1.81 V	103	49.2	13.0
4	*5510.00	117.2 PK			1.81 V	103	73.6	43.6
5	*5510.00	104.4 AV			1.81 V	103	60.8	43.6
6	11020.00	62.3 PK	74.0	-11.7	2.29 V	168	39.6	22.7
7	11020.00	48.7 AV	54.0	-5.3	2.29 V	168	26.0	22.7

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.4 PK			1.50 H	97	66.8	43.6
2	*5550.00	98.2 AV			1.50 H	97	54.6	43.6
3	11100.00	61.6 PK	74.0	-12.4	3.02 H	192	39.3	22.3
4	11100.00	48.2 AV	54.0	-5.8	3.02 H	192	25.9	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	116.8 PK			1.83 V	103	73.2	43.6
2	*5550.00	104.3 AV			1.83 V	103	60.7	43.6
3	11100.00	62.1 PK	74.0	-11.9	2.21 V	161	39.8	22.3
4	11100.00	48.3 AV	54.0	-5.7	2.21 V	161	26.0	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.

RF Mode	802.11be (EHT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	112.1 PK			1.49 H	100	68.0	44.1
2	*5670.00	99.2 AV			1.49 H	100	55.1	44.1
3	#5725.00	61.3 PK	68.2	-6.9	1.49 H	100	47.6	13.7
4	11340.00	62.1 PK	74.0	-11.9	3.03 H	182	39.2	22.9
5	11340.00	48.5 AV	54.0	-5.5	3.03 H	182	25.6	22.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	117.2 PK			1.71 V	108	73.1	44.1
2	*5670.00	104.5 AV			1.71 V	108	60.4	44.1
3	#5725.00	61.7 PK	68.2	-6.5	1.71 V	108	48.0	13.7
4	11340.00	62.5 PK	74.0	-11.5	2.15 V	167	39.6	22.9
5	11340.00	48.7 AV	54.0	-5.3	2.15 V	167	25.8	22.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	1.35 H	96	47.7	13.0
2	*5710.00	113.7 PK			1.35 H	96	69.4	44.3
3	*5710.00	101.0 AV			1.35 H	96	56.7	44.3
4	#5850.00	61.8 PK	68.2	-6.4	1.35 H	96	47.8	14.0
5	11420.00	62.6 PK	74.0	-11.4	3.09 H	189	39.2	23.4
6	11420.00	49.1 AV	54.0	-4.9	3.09 H	189	25.7	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	61.0 PK	68.2	-7.2	1.82 V	107	48.0	13.0
2	*5710.00	117.4 PK			1.82 V	107	73.1	44.3
3	*5710.00	104.6 AV			1.82 V	107	60.3	44.3
4	#5850.00	62.0 PK	68.2	-6.2	1.82 V	107	48.0	14.0
5	11420.00	63.0 PK	74.0	-11.0	2.12 V	158	39.6	23.4
6	11420.00	49.3 AV	54.0	-4.7	2.12 V	158	25.9	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 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	1.47 H	95	48.5	13.0
2	5460.00	48.3 AV	54.0	-5.7	1.47 H	95	35.3	13.0
3	#5470.00	61.6 PK	68.2	-6.6	1.47 H	95	48.6	13.0
4	*5530.00	107.3 PK			1.47 H	95	63.7	43.6
5	*5530.00	94.9 AV			1.47 H	95	51.3	43.6
6	#5725.00	61.5 PK	68.2	-6.7	1.47 H	95	47.8	13.7
7	11060.00	61.6 PK	74.0	-12.4	3.02 H	182	39.2	22.4
8	11060.00	48.0 AV	54.0	-6.0	3.02 H	182	25.6	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	1.82 V	106	49.1	13.0
2	5460.00	49.1 AV	54.0	-4.9	1.82 V	106	36.1	13.0
3	#5470.00	62.0 PK	68.2	-6.2	1.82 V	106	49.0	13.0
4	*5530.00	114.3 PK			1.82 V	106	70.7	43.6
5	*5530.00	101.6 AV			1.82 V	106	58.0	43.6
6	#5725.00	62.0 PK	68.2	-6.2	1.82 V	106	48.3	13.7
7	11060.00	61.9 PK	74.0	-12.1	2.28 V	167	39.5	22.4
8	11060.00	48.3 AV	54.0	-5.7	2.28 V	167	25.9	22.4

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	107.8 PK			1.56 H	95	64.1	43.7
2	*5610.00	95.4 AV			1.56 H	95	51.7	43.7
3	#5725.00	61.5 PK	68.2	-6.7	1.56 H	95	47.8	13.7
4	11220.00	61.7 PK	74.0	-12.3	3.02 H	198	39.3	22.4
5	11220.00	48.3 AV	54.0	-5.7	3.02 H	198	25.9	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	114.0 PK			1.77 V	104	70.3	43.7
2	*5610.00	102.1 AV			1.77 V	104	58.4	43.7
3	#5725.00	62.0 PK	68.2	-6.2	1.77 V	104	48.3	13.7
4	11220.00	62.2 PK	74.0	-11.8	2.19 V	164	39.8	22.4
5	11220.00	48.5 AV	54.0	-5.5	2.19 V	164	26.1	22.4

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.6 PK	68.2	-7.6	1.58 H	91	47.6	13.0
2	*5690.00	109.3 PK			1.58 H	91	65.2	44.1
3	*5690.00	97.1 AV			1.58 H	91	53.0	44.1
4	#5850.00	61.8 PK	68.2	-6.4	1.58 H	91	47.8	14.0
5	11380.00	62.3 PK	74.0	-11.7	3.11 H	189	39.2	23.1
6	11380.00	48.8 AV	54.0	-5.2	3.11 H	189	25.7	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	#5470.00	60.8 PK	68.2	-7.4	1.73 V	109	47.8	13.0
2	*5690.00	114.3 PK			1.73 V	109	70.2	44.1
3	*5690.00	101.2 AV			1.73 V	109	57.1	44.1
4	#5850.00	61.9 PK	68.2	-6.3	1.73 V	109	47.9	14.0
5	11380.00	62.6 PK	74.0	-11.4	2.19 V	168	39.5	23.1
6	11380.00	48.9 AV	54.0	-5.1	2.19 V	168	25.8	23.1

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	1.52 H	98	48.5	13.0
2	5460.00	48.8 AV	54.0	-5.2	1.52 H	98	35.8	13.0
3	#5470.00	61.6 PK	68.2	-6.6	1.52 H	98	48.6	13.0
4	*5570.00	106.4 PK			1.52 H	98	62.7	43.7
5	*5570.00	92.8 AV			1.52 H	98	49.1	43.7
6	#5725.00	62.9 PK	68.2	-5.3	1.52 H	98	49.2	13.7
7	11140.00	61.4 PK	74.0	-12.6	3.18 H	191	39.1	22.3
8	11140.00	47.8 AV	54.0	-6.2	3.18 H	191	25.5	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	64.3 PK	74.0	-9.7	1.80 V	109	51.3	13.0
2	5460.00	51.7 AV	54.0	-2.3	1.80 V	109	38.7	13.0
3	#5470.00	64.0 PK	68.2	-4.2	1.80 V	109	51.0	13.0
4	*5570.00	112.5 PK			1.80 V	109	68.8	43.7
5	*5570.00	99.5 AV			1.80 V	109	55.8	43.7
6	#5725.00	68.0 PK	68.2	-0.2	1.80 V	109	54.3	13.7
7	11140.00	61.8 PK	74.0	-12.2	2.29 V	169	39.5	22.3
8	11140.00	48.1 AV	54.0	-5.9	2.29 V	169	25.8	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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.20	62.6 PK	68.2	-5.6	1.58 H	92	49.3	13.3
2	*5745.00	117.0 PK			1.58 H	92	72.4	44.6
3	*5745.00	107.5 AV			1.58 H	92	62.9	44.6
4	#5944.80	61.9 PK	68.2	-6.3	1.58 H	92	47.7	14.2
5	11490.00	62.8 PK	74.0	-11.2	3.15 H	187	39.6	23.2
6	11490.00	49.9 AV	54.0	-4.1	3.15 H	187	26.7	23.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.80	63.7 PK	68.2	-4.5	1.70 V	110	50.4	13.3
2	*5745.00	122.9 PK			1.70 V	110	78.3	44.6
3	*5745.00	113.3 AV			1.70 V	110	68.7	44.6
4	#5988.80	62.1 PK	68.2	-6.1	1.70 V	110	47.7	14.4
5	11490.00	63.3 PK	74.0	-10.7	2.23 V	152	40.1	23.2
6	11490.00	50.2 AV	54.0	-3.8	2.23 V	152	27.0	23.2

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	#5637.60	60.8 PK	68.2	-7.4	1.78 H	96	47.6	13.2
2	*5785.00	117.7 PK			1.78 H	96	72.9	44.8
3	*5785.00	108.3 AV			1.78 H	96	63.5	44.8
4	#5997.60	62.4 PK	68.2	-5.8	1.78 H	96	48.0	14.4
5	11570.00	62.6 PK	74.0	-11.4	3.15 H	195	39.6	23.0
6	11570.00	49.8 AV	54.0	-4.2	3.15 H	195	26.8	23.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.20	60.7 PK	68.2	-7.5	1.59 V	109	47.4	13.3
2	*5785.00	124.3 PK			1.59 V	109	79.5	44.8
3	*5785.00	114.4 AV			1.59 V	109	69.6	44.8
4	#5991.20	61.4 PK	68.2	-6.8	1.59 V	109	47.0	14.4
5	11570.00	63.3 PK	74.0	-10.7	2.26 V	158	40.3	23.0
6	11570.00	50.1 AV	54.0	-3.9	2.26 V	158	27.1	23.0

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.80	60.8 PK	68.2	-7.4	1.74 H	95	47.7	13.1
2	*5825.00	116.9 PK			1.74 H	95	72.2	44.7
3	*5825.00	107.5 AV			1.74 H	95	62.8	44.7
4	#5932.80	62.6 PK	68.2	-5.6	1.74 H	95	48.4	14.2
5	11650.00	61.9 PK	74.0	-12.1	3.02 H	195	39.3	22.6
6	11650.00	49.1 AV	54.0	-4.9	3.02 H	195	26.5	22.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.00	61.2 PK	68.2	-7.0	1.62 V	110	48.0	13.2
2	*5825.00	123.2 PK			1.62 V	110	78.5	44.7
3	*5825.00	113.3 AV			1.62 V	110	68.6	44.7
4	#5926.80	65.3 PK	68.2	-2.9	1.62 V	110	51.2	14.1
5	11650.00	62.5 PK	74.0	-11.5	2.29 V	161	39.9	22.6
6	11650.00	49.4 AV	54.0	-4.6	2.29 V	161	26.8	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 (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	#5646.00	62.9 PK	68.2	-5.3	1.39 H	93	49.6	13.3
2	*5745.00	120.4 PK			1.39 H	93	75.8	44.6
3	*5745.00	107.5 AV			1.39 H	93	62.9	44.6
4	#5964.40	61.7 PK	68.2	-6.5	1.39 H	93	47.4	14.3
5	11490.00	62.6 PK	74.0	-11.4	3.02 H	187	39.4	23.2
6	11490.00	49.8 AV	54.0	-4.2	3.02 H	187	26.6	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	#5648.40	65.6 PK	68.2	-2.6	1.70 V	110	52.3	13.3
2	*5745.00	124.7 PK			1.70 V	110	80.1	44.6
3	*5745.00	112.9 AV			1.70 V	110	68.3	44.6
4	#5967.60	61.9 PK	68.2	-6.3	1.70 V	110	47.6	14.3
5	11490.00	63.3 PK	74.0	-10.7	2.22 V	162	40.1	23.2
6	11490.00	50.2 AV	54.0	-3.8	2.22 V	162	27.0	23.2

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	#5648.80	60.7 PK	68.2	-7.5	1.42 H	95	47.4	13.3
2	*5785.00	120.5 PK			1.42 H	95	75.7	44.8
3	*5785.00	107.6 AV			1.42 H	95	62.8	44.8
4	#5924.00	61.6 PK	68.9	-7.3	1.42 H	95	47.5	14.1
5	11570.00	62.7 PK	74.0	-11.3	3.03 H	198	39.7	23.0
6	11570.00	49.7 AV	54.0	-4.3	3.03 H	198	26.7	23.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.60	61.5 PK	68.2	-6.7	1.51 V	110	48.2	13.3
2	*5785.00	126.9 PK			1.51 V	110	82.1	44.8
3	*5785.00	113.9 AV			1.51 V	110	69.1	44.8
4	#5936.40	61.9 PK	68.2	-6.3	1.51 V	110	47.7	14.2
5	11570.00	63.3 PK	74.0	-10.7	2.17 V	162	40.3	23.0
6	11570.00	50.1 AV	54.0	-3.9	2.17 V	162	27.1	23.0

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	61.2 PK	68.2	-7.0	1.46 H	98	48.1	13.1
2	*5825.00	120.4 PK			1.46 H	98	75.7	44.7
3	*5825.00	107.3 AV			1.46 H	98	62.6	44.7
4	#5925.60	64.2 PK	68.2	-4.0	1.46 H	98	50.1	14.1
5	11650.00	62.1 PK	74.0	-11.9	3.03 H	187	39.5	22.6
6	11650.00	49.0 AV	54.0	-5.0	3.03 H	187	26.4	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	#5625.20	60.3 PK	68.2	-7.9	1.63 V	111	47.2	13.1
2	*5825.00	125.9 PK			1.63 V	111	81.2	44.7
3	*5825.00	113.4 AV			1.63 V	111	68.7	44.7
4	#5931.60	65.3 PK	68.2	-2.9	1.63 V	111	51.1	14.2
5	11650.00	62.4 PK	74.0	-11.6	2.26 V	163	39.8	22.6
6	11650.00	49.3 AV	54.0	-4.7	2.26 V	163	26.7	22.6

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.80	66.2 PK	68.2	-2.0	1.40 H	96	53.0	13.2
2	*5755.00	115.6 PK			1.40 H	96	71.0	44.6
3	*5755.00	103.1 AV			1.40 H	96	58.5	44.6
4	#5989.20	61.9 PK	68.2	-6.3	1.40 H	96	47.5	14.4
5	11510.00	62.3 PK	74.0	-11.7	3.09 H	188	39.2	23.1
6	11510.00	49.3 AV	54.0	-4.7	3.09 H	188	26.2	23.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.60	67.8 PK	68.2	-0.4	1.68 V	110	54.6	13.2
2	*5755.00	121.0 PK			1.68 V	110	76.4	44.6
3	*5755.00	108.6 AV			1.68 V	110	64.0	44.6
4	#5928.80	62.2 PK	68.2	-6.0	1.68 V	110	48.0	14.2
5	11510.00	62.9 PK	74.0	-11.1	2.22 V	157	39.8	23.1
6	11510.00	49.6 AV	54.0	-4.4	2.22 V	157	26.5	23.1

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	#5641.20	63.8 PK	68.2	-4.4	1.64 H	96	50.6	13.2
2	*5795.00	115.8 PK			1.64 H	96	71.0	44.8
3	*5795.00	103.0 AV			1.64 H	96	58.2	44.8
4	#5934.80	63.3 PK	68.2	-4.9	1.64 H	96	49.1	14.2
5	11590.00	62.0 PK	74.0	-12.0	3.02 H	192	39.2	22.8
6	11590.00	49.0 AV	54.0	-5.0	3.02 H	192	26.2	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	#5644.80	67.9 PK	68.2	-0.3	1.66 V	110	54.7	13.2
2	*5795.00	121.9 PK			1.66 V	110	77.1	44.8
3	*5795.00	108.9 AV			1.66 V	110	64.1	44.8
4	#5933.60	65.1 PK	68.2	-3.1	1.66 V	110	50.9	14.2
5	11590.00	62.6 PK	74.0	-11.4	2.19 V	162	39.8	22.8
6	11590.00	49.4 AV	54.0	-4.6	2.19 V	162	26.6	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 (EHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	TitanHSU		

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	#5648.40	61.1 PK	68.2	-7.1	1.62 H	94	47.8	13.3
2	*5775.00	111.9 PK			1.62 H	94	67.2	44.7
3	*5775.00	99.0 AV			1.62 H	94	54.3	44.7
4	#5973.60	61.6 PK	68.2	-6.6	1.62 H	94	47.3	14.3
5	11550.00	62.2 PK	74.0	-11.8	3.11 H	185	39.2	23.0
6	11550.00	48.7 AV	54.0	-5.3	3.11 H	185	25.7	23.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.20	68.1 PK	68.2	-0.1	1.66 V	111	54.9	13.2
2	*5775.00	117.8 PK			1.66 V	111	73.1	44.7
3	*5775.00	105.2 AV			1.66 V	111	60.5	44.7
4	#5936.80	64.4 PK	68.2	-3.8	1.66 V	111	50.2	14.2
5	11550.00	62.6 PK	74.0	-11.4	2.31 V	162	39.6	23.0
6	11550.00	49.0 AV	54.0	-5.0	2.31 V	162	26.0	23.0

Remarks:

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

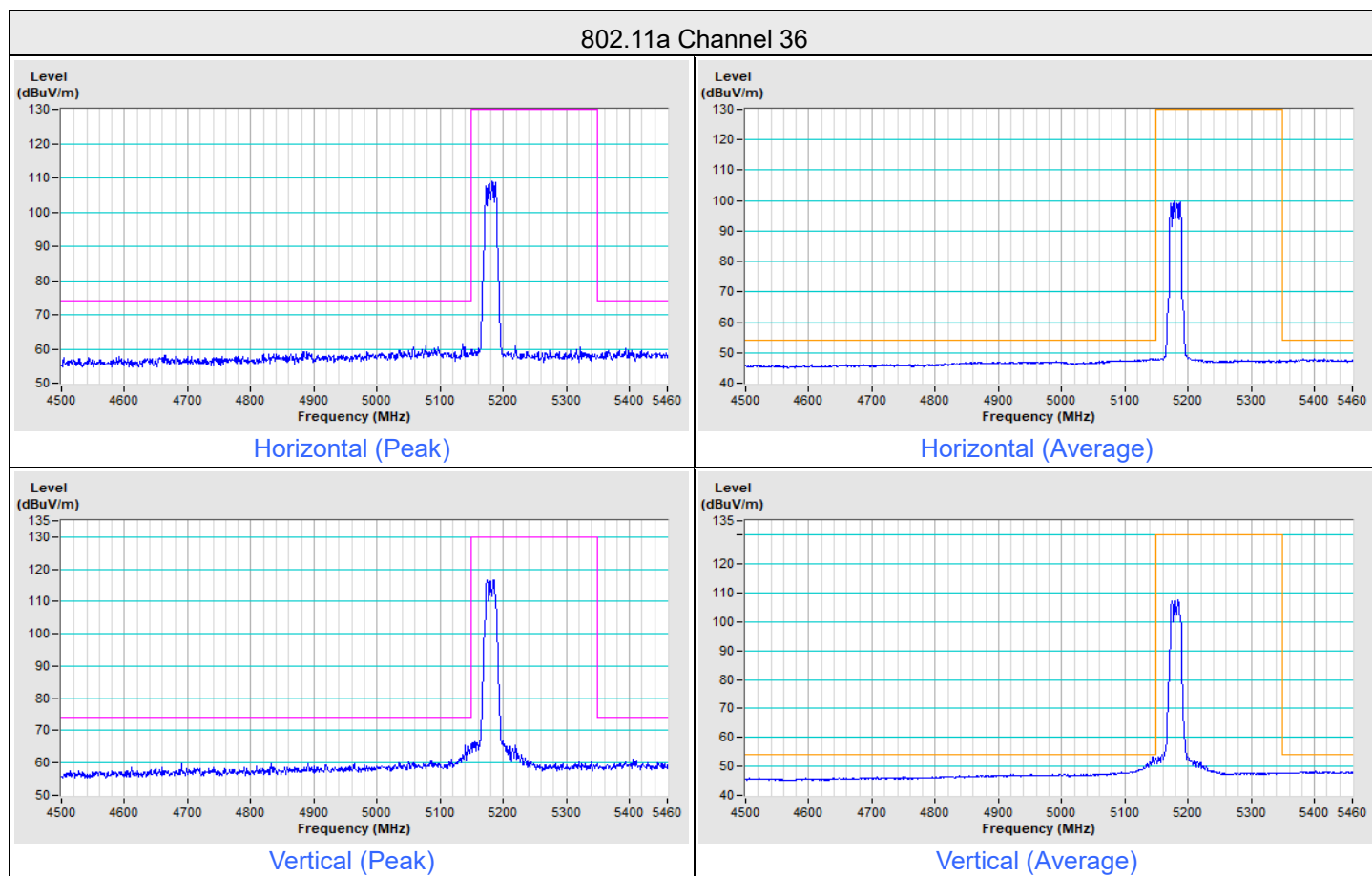
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.0 PK	68.2	-7.2	1.81 H	94	48.0	13.0
2	*5610.00	100.9 PK			1.81 H	94	57.2	43.7
3	*5610.00	87.9 AV			1.81 H	94	44.2	43.7
4	#5884.00	63.6 PK	68.2	-4.6	1.81 H	94	49.6	14.0
5	11220.00	61.6 PK	74.0	-12.4	3.15 H	182	39.2	22.4
6	11220.00	48.3 AV	54.0	-5.7	3.15 H	182	25.9	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5466.20	66.3 PK	68.2	-1.9	1.48 V	249	53.2	13.1
2	*5610.00	103.7 PK			1.48 V	249	60.0	43.7
3	*5610.00	91.8 AV			1.48 V	249	48.1	43.7
4	#5868.00	67.7 PK	68.2	-0.5	1.48 V	249	53.7	14.0
5	11220.00	62.2 PK	74.0	-11.8	2.11 V	156	39.8	22.4
6	11220.00	48.5 AV	54.0	-5.5	2.11 V	156	26.1	22.4

Remarks:

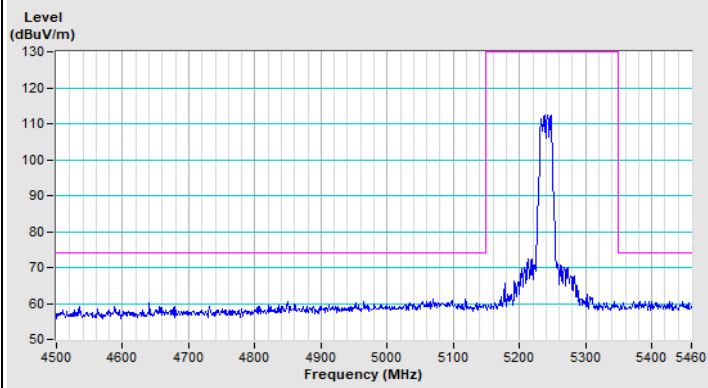
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

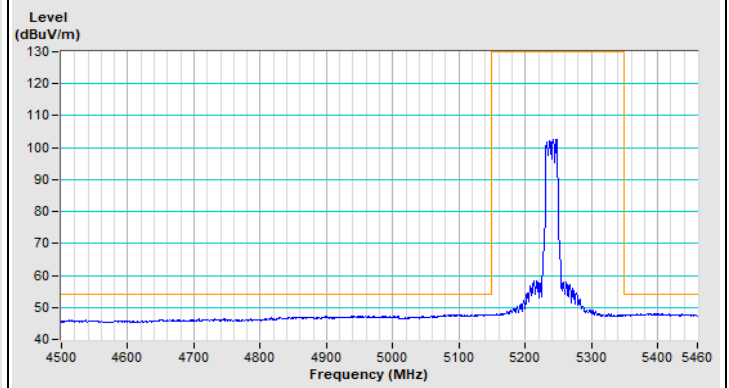
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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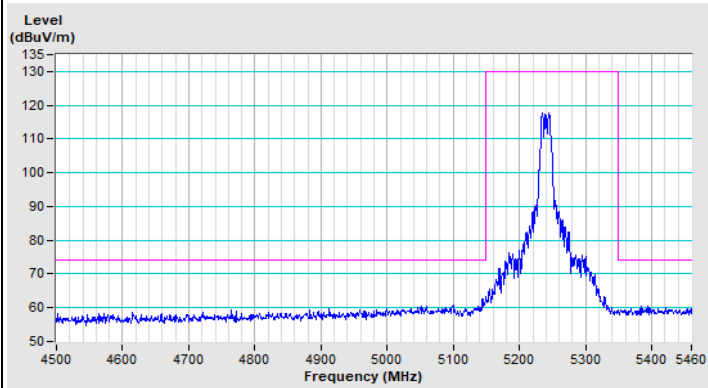
802.11a Channel 48



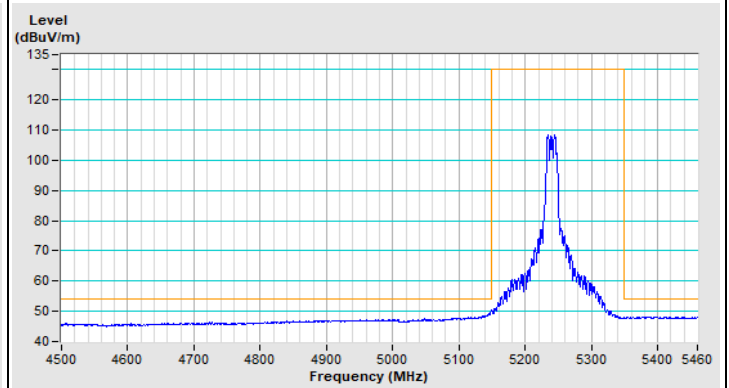
Horizontal (Peak)



Horizontal (Average)



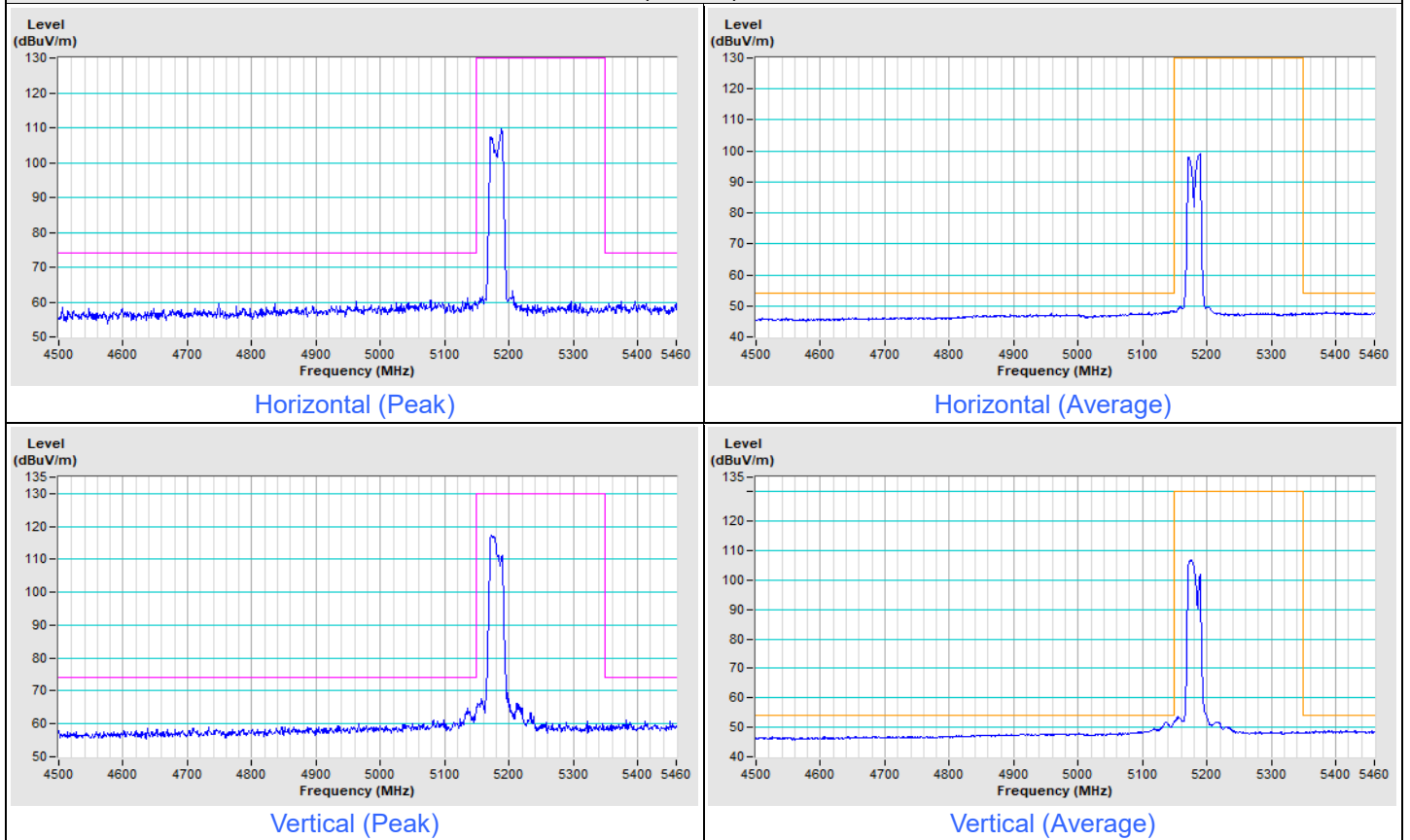
Vertical (Peak)



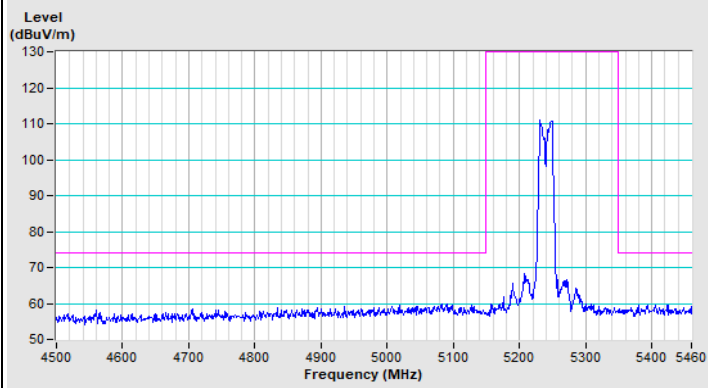
Vertical (Average)

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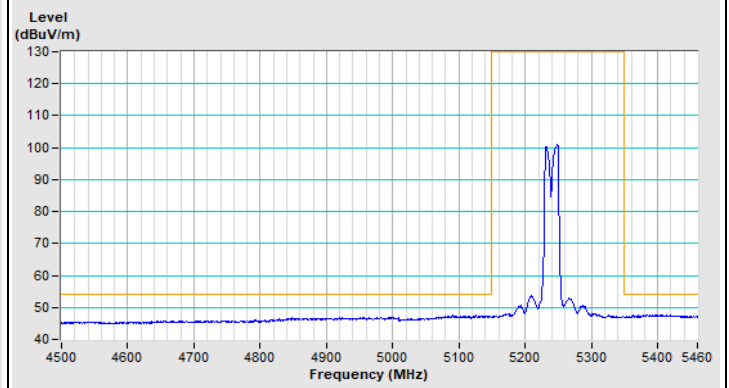
802.11be (EHT20) Channel 36



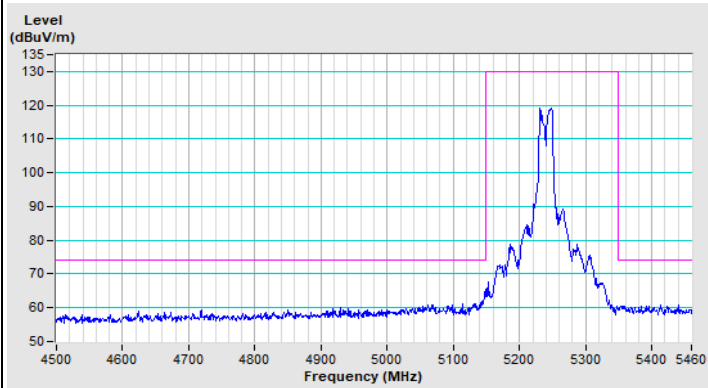
802.11be (EHT20) Channel 48



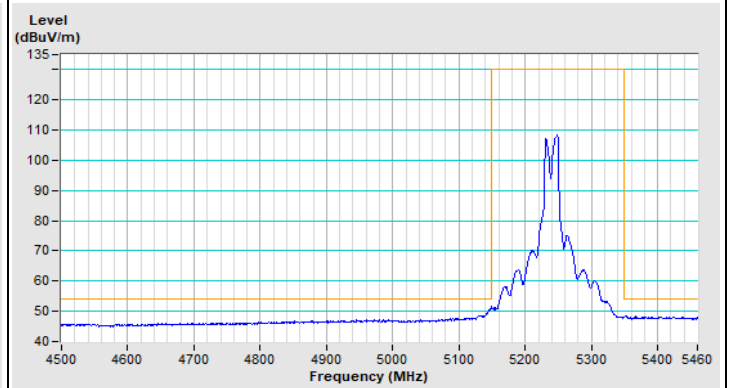
Horizontal (Peak)



Horizontal (Average)

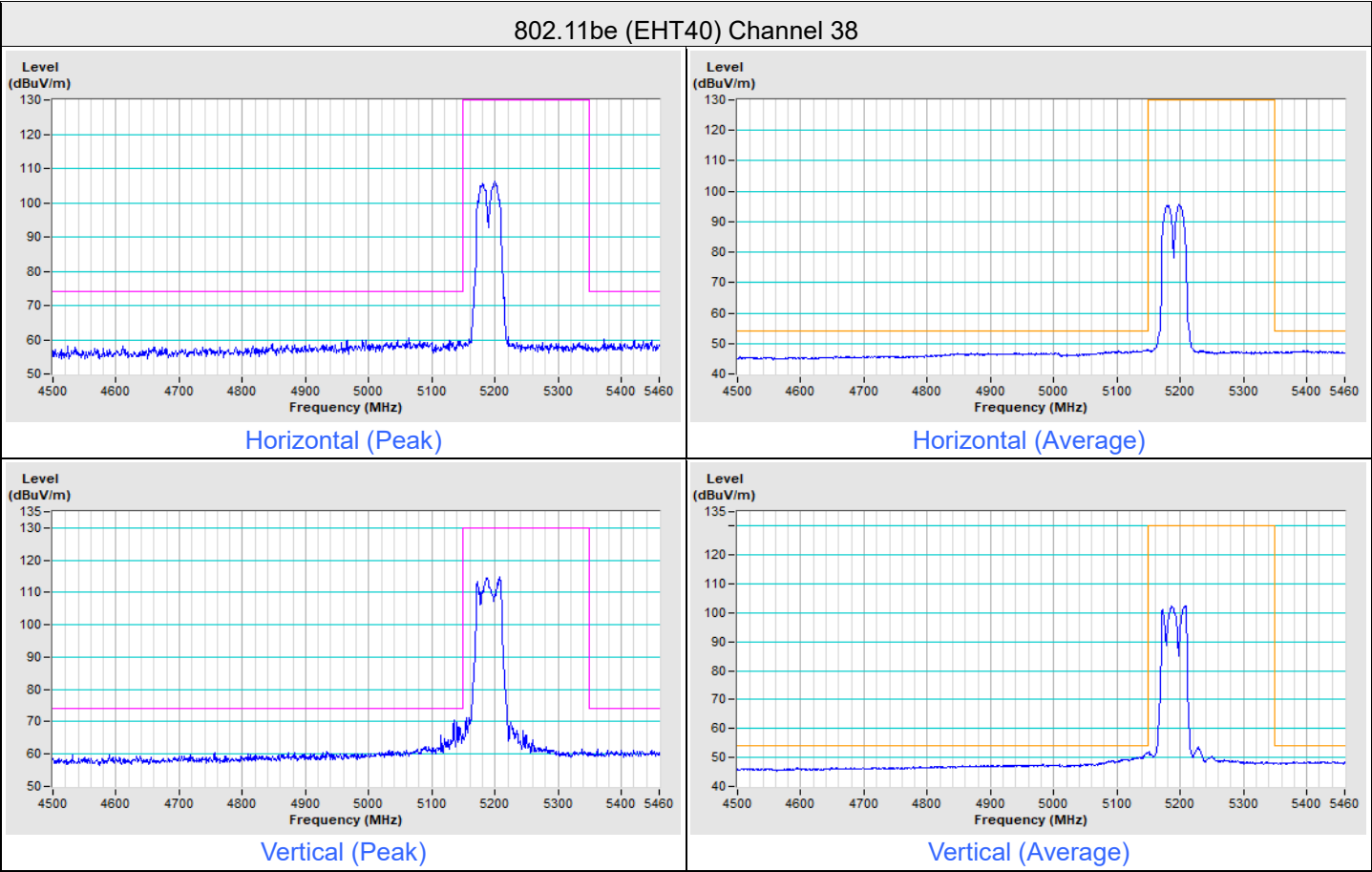


Vertical (Peak)

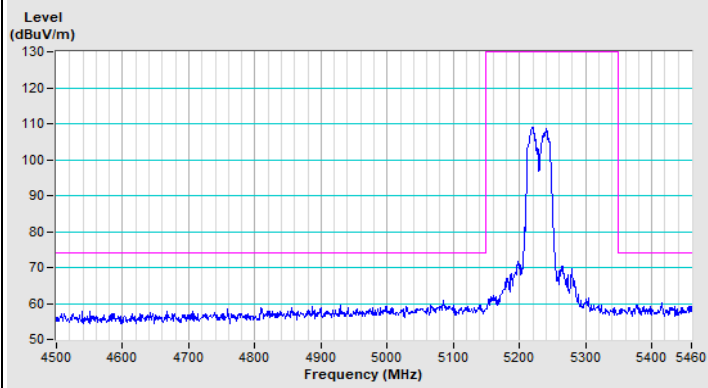


Vertical (Average)

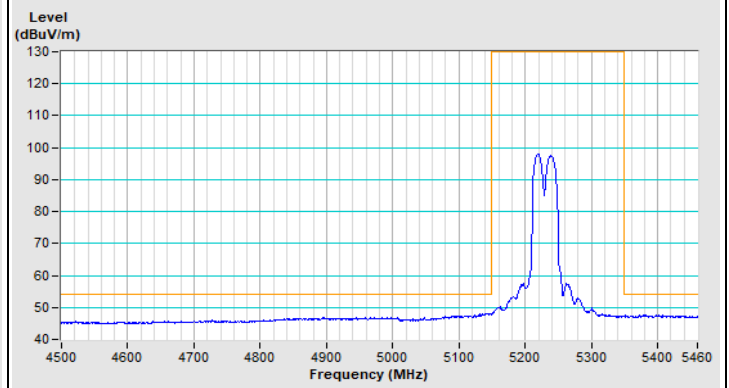
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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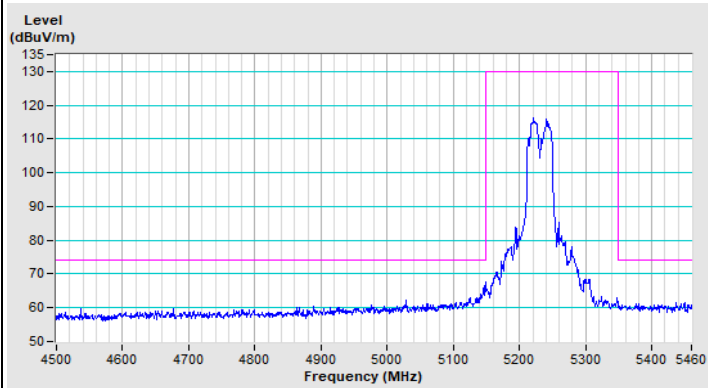
802.11be (EHT40) Channel 46



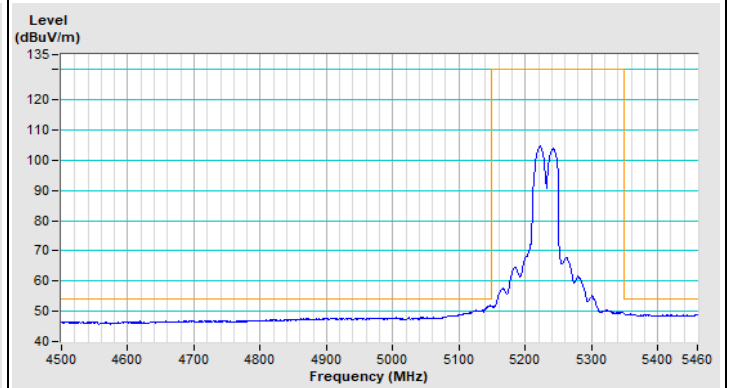
Horizontal (Peak)



Horizontal (Average)



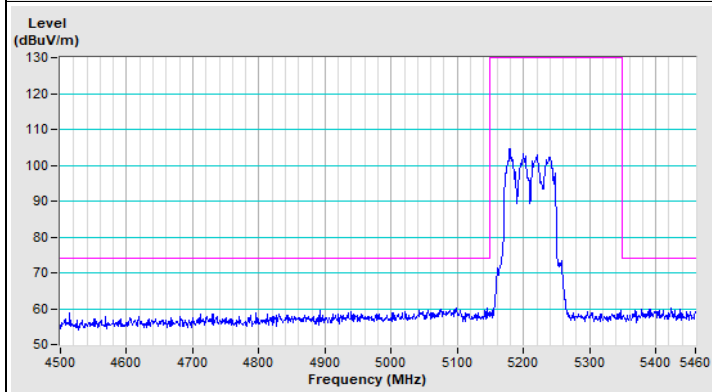
Vertical (Peak)



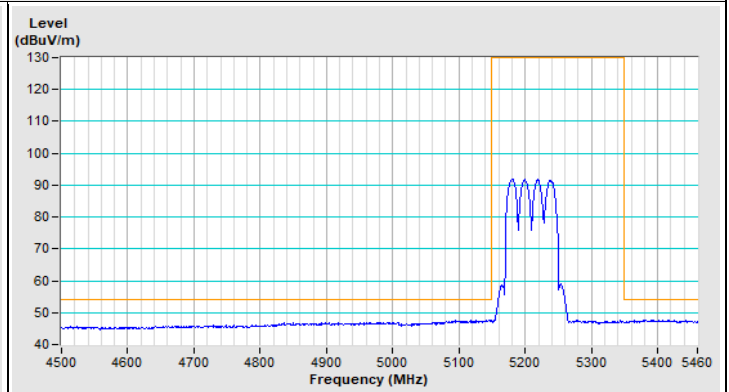
Vertical (Average)

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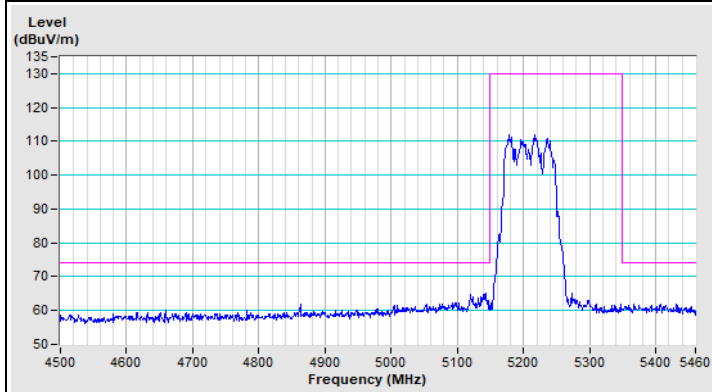
802.11be (EHT80) Channel 42



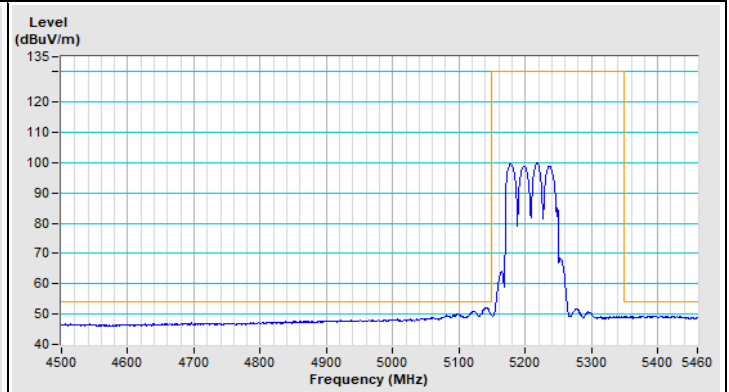
Horizontal (Peak)



Horizontal (Average)



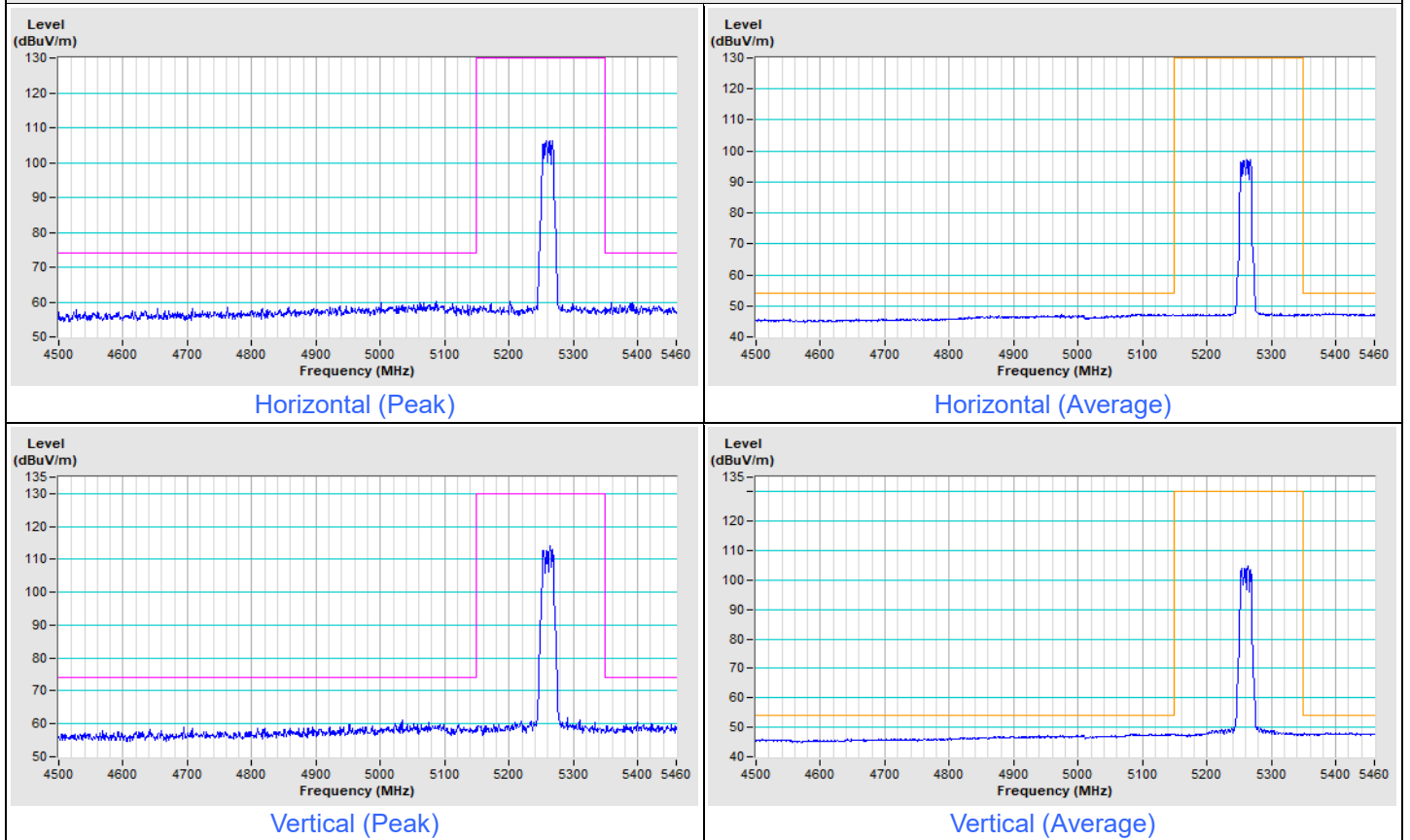
Vertical (Peak)



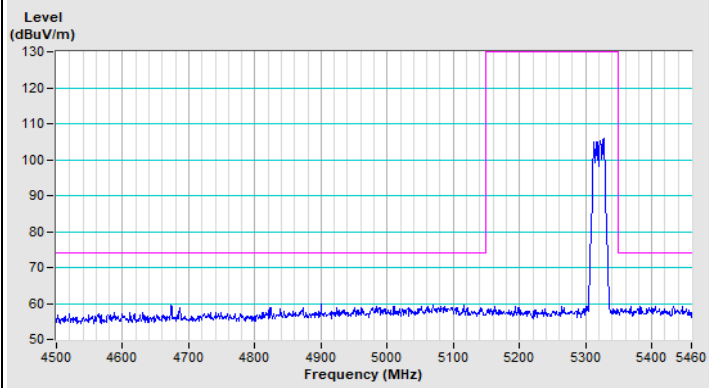
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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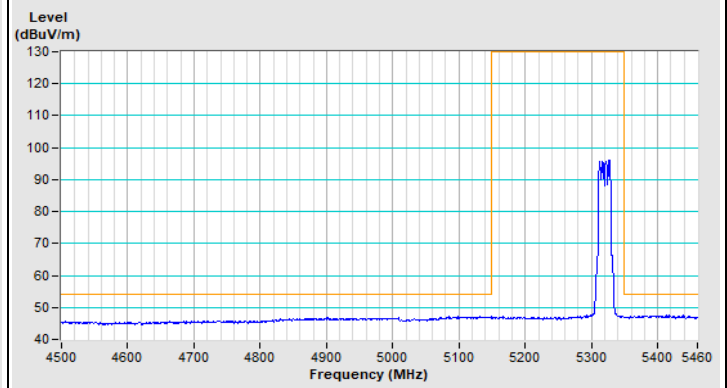
802.11a Channel 52



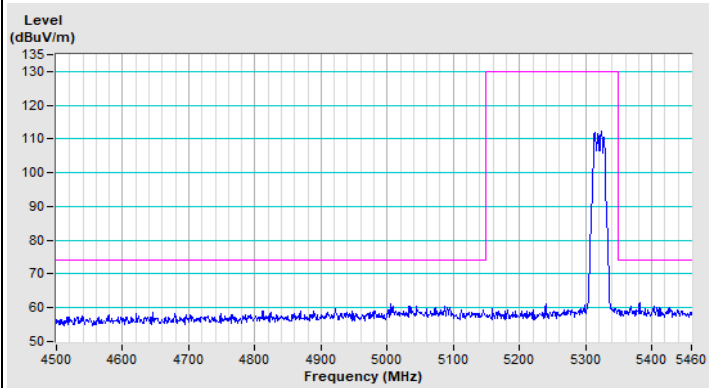
802.11a Channel 64



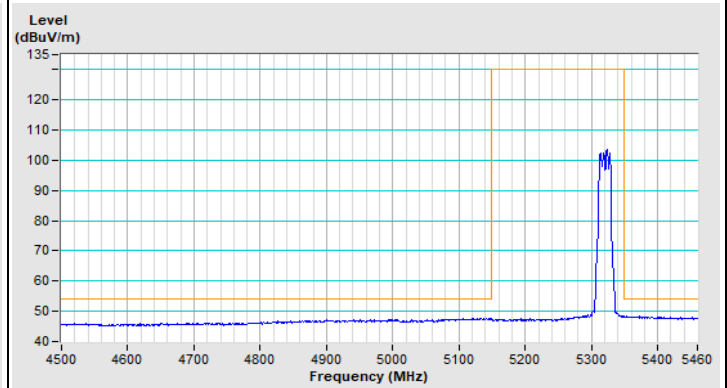
Horizontal (Peak)



Horizontal (Average)



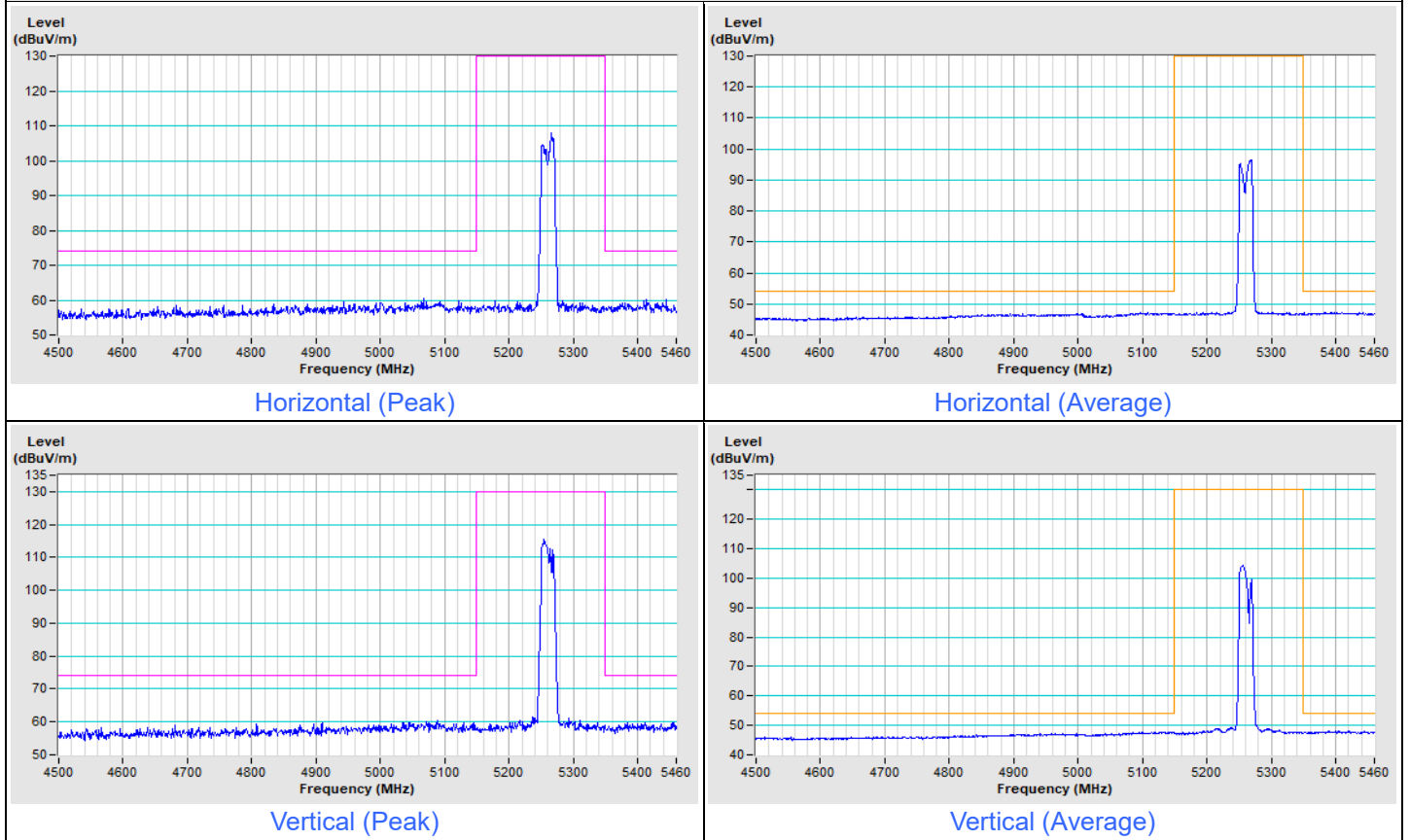
Vertical (Peak)



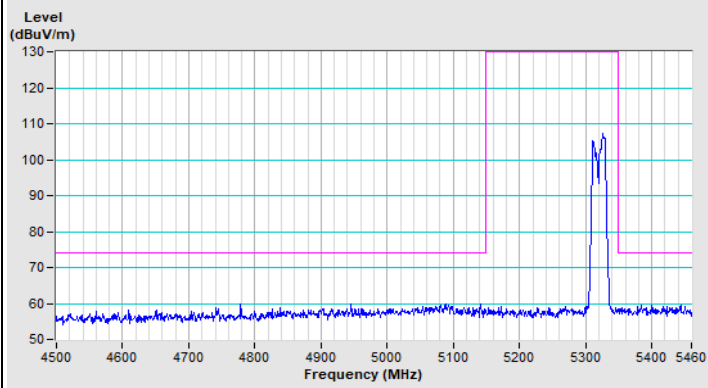
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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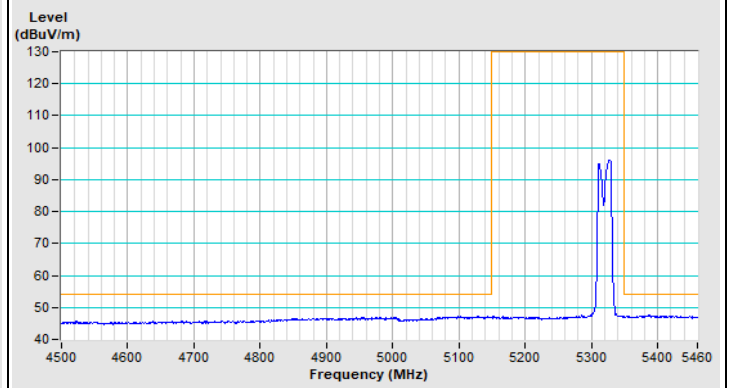
802.11be (EHT20) Channel 52



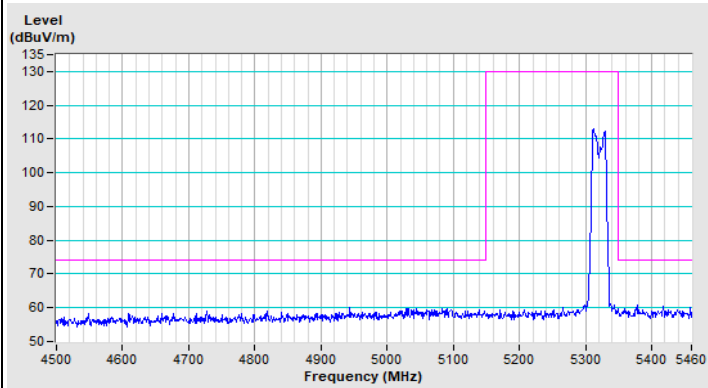
802.11be (EHT20) Channel 64



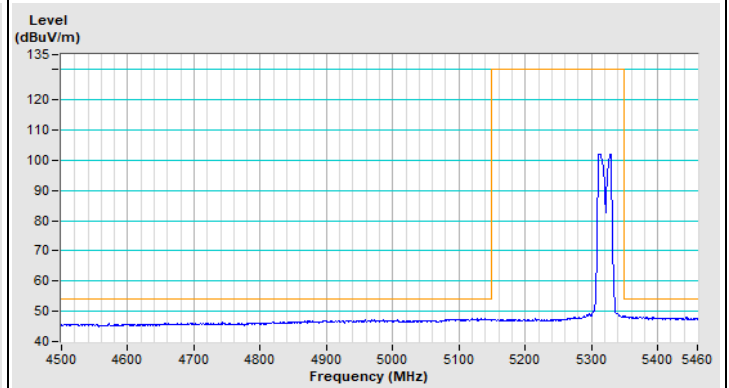
Horizontal (Peak)



Horizontal (Average)



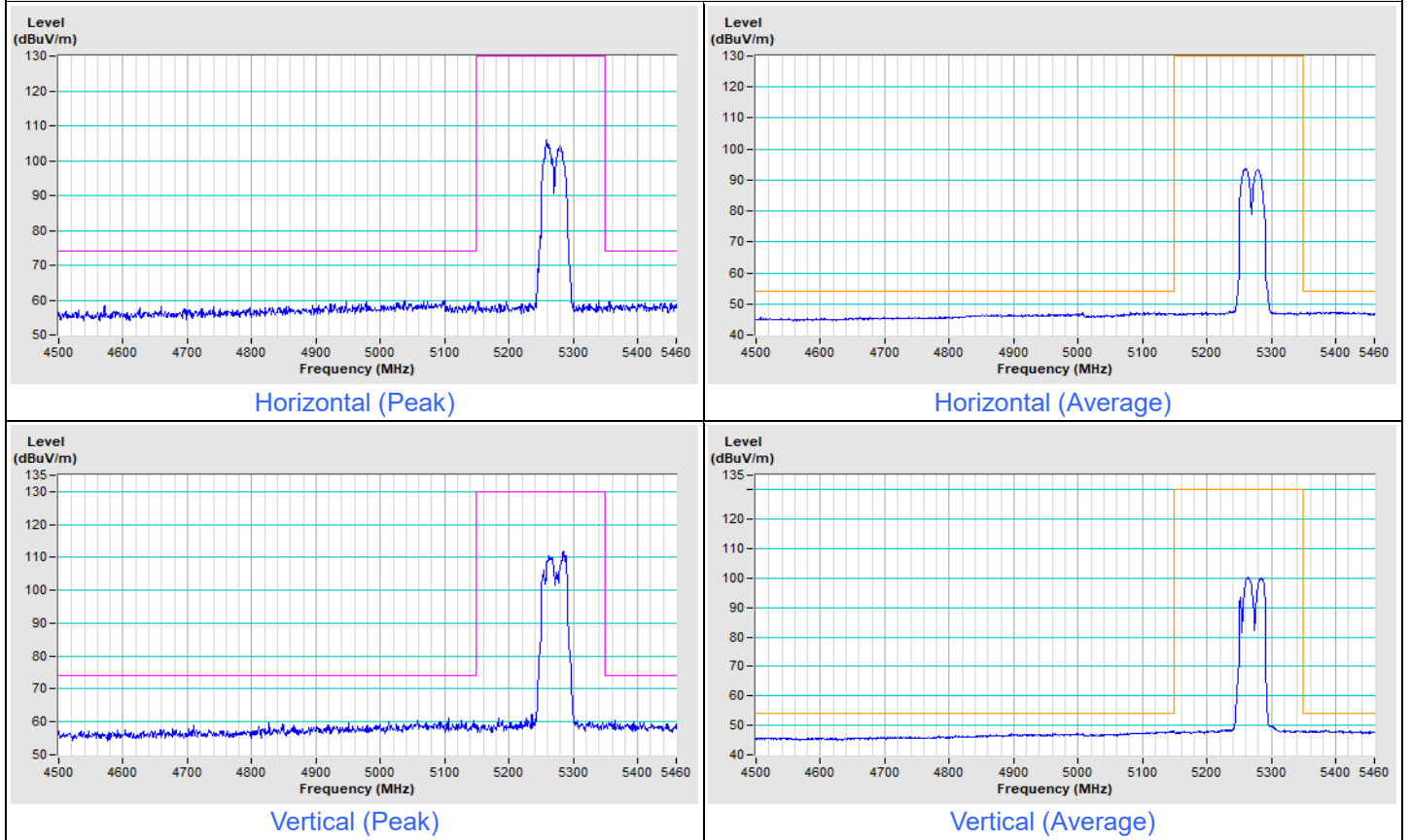
Vertical (Peak)



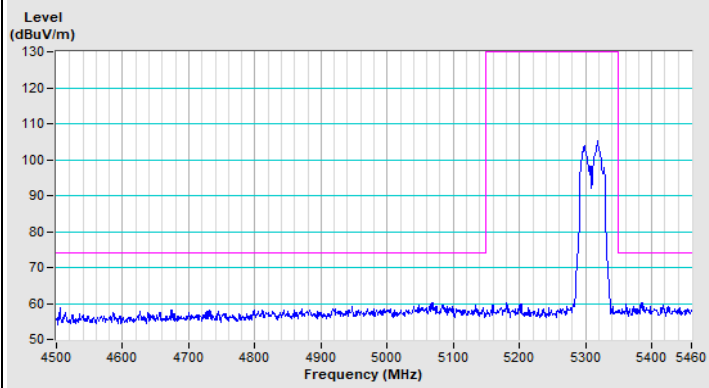
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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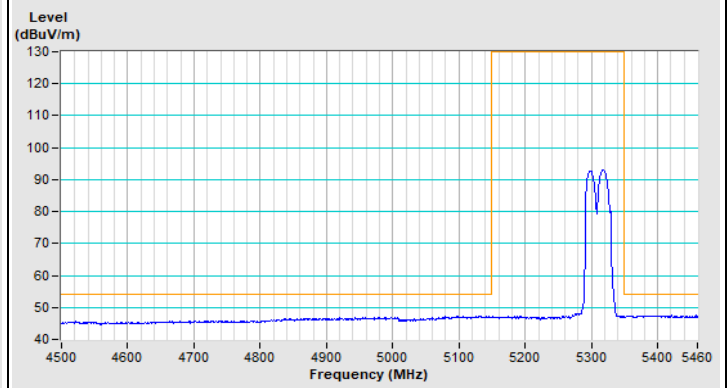
802.11be (EHT40) Channel 54



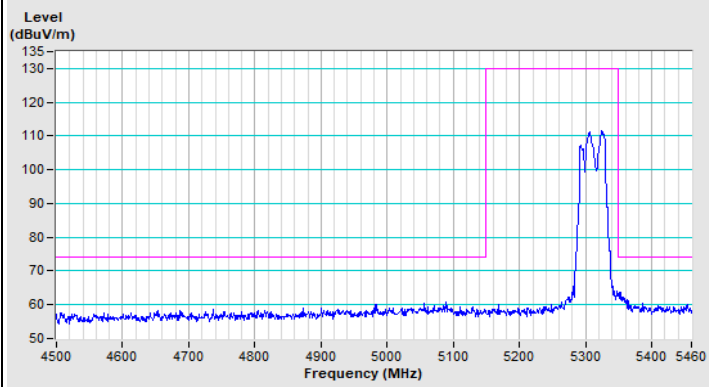
802.11be (EHT40) Channel 62



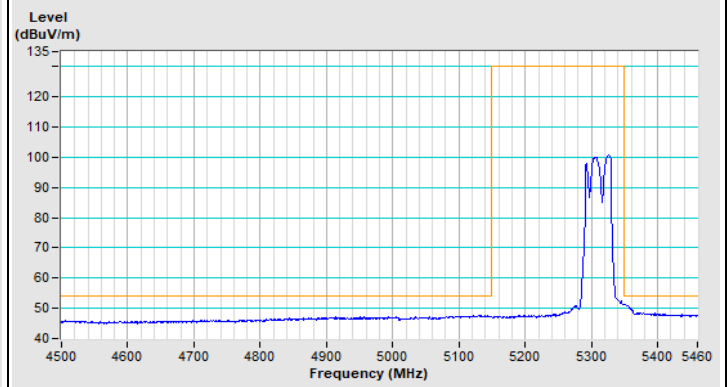
Horizontal (Peak)



Horizontal (Average)



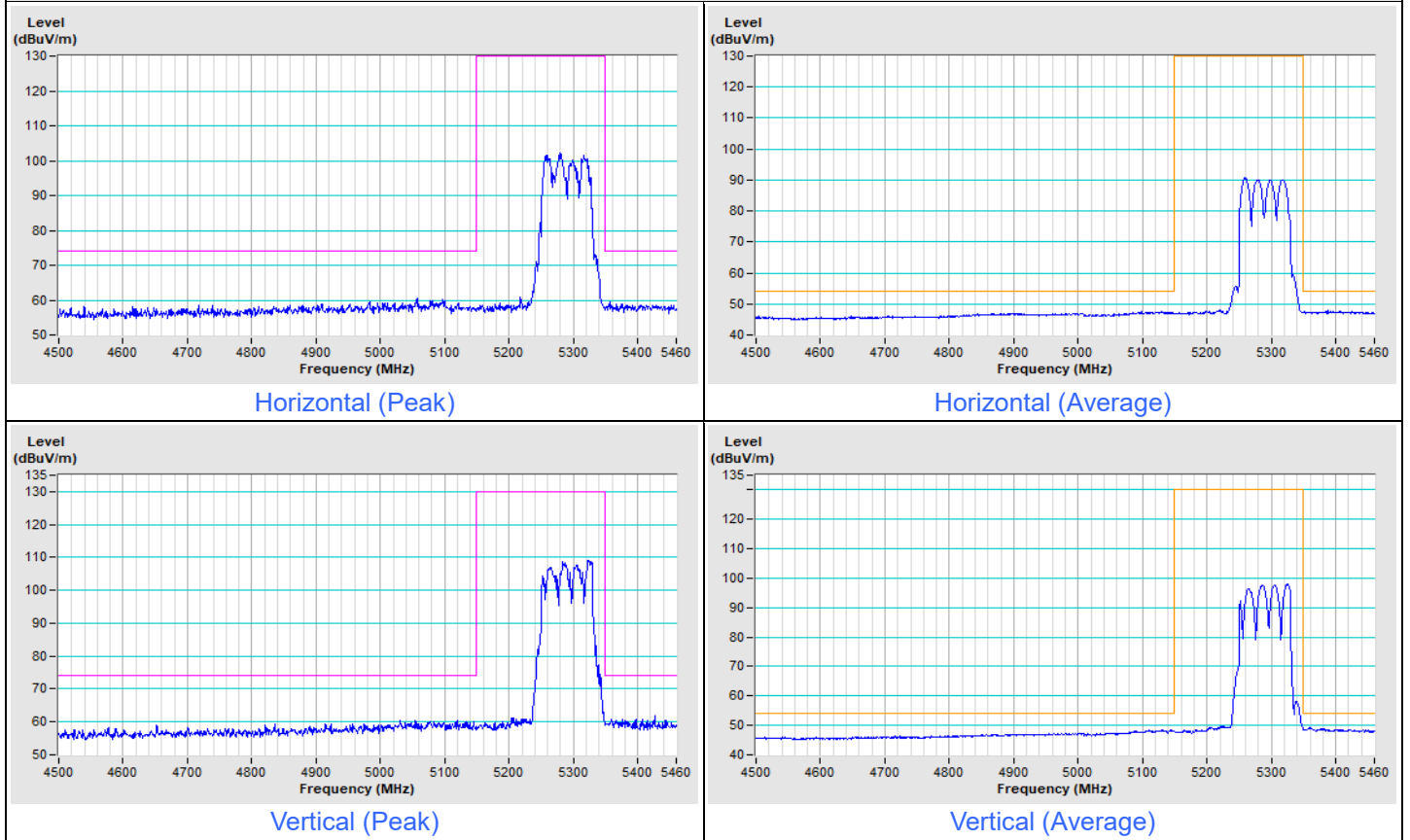
Vertical (Peak)



Vertical (Average)

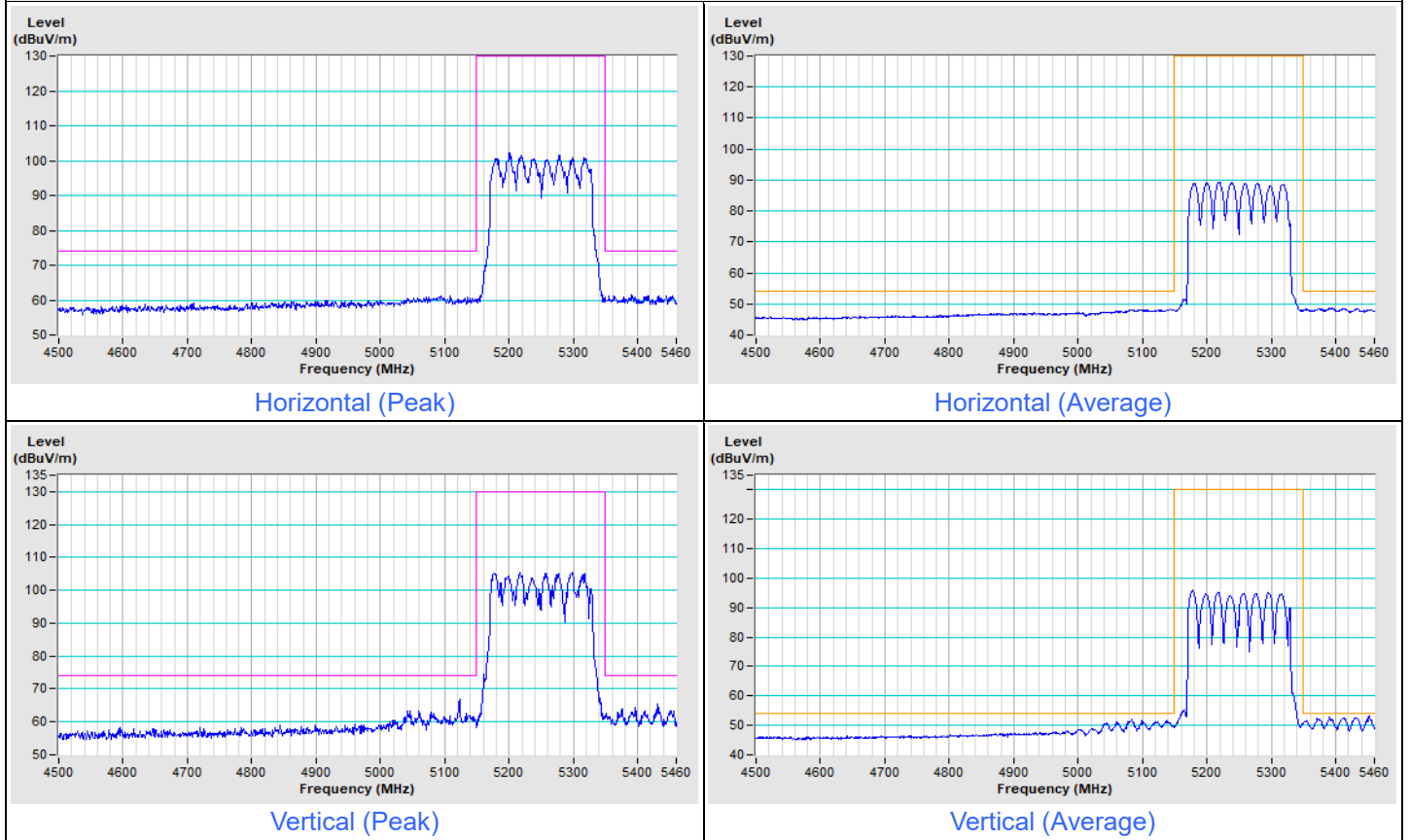
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 58



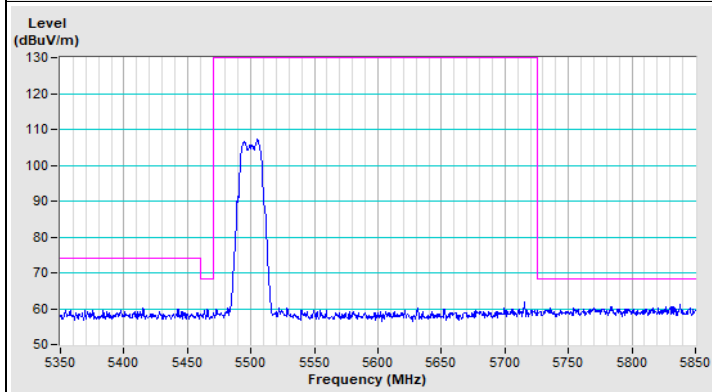
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 50

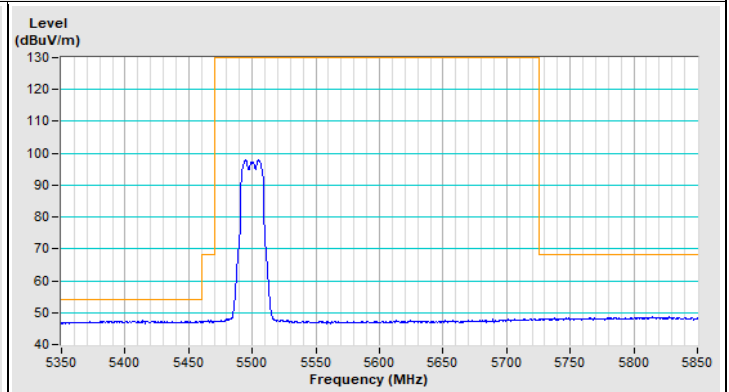


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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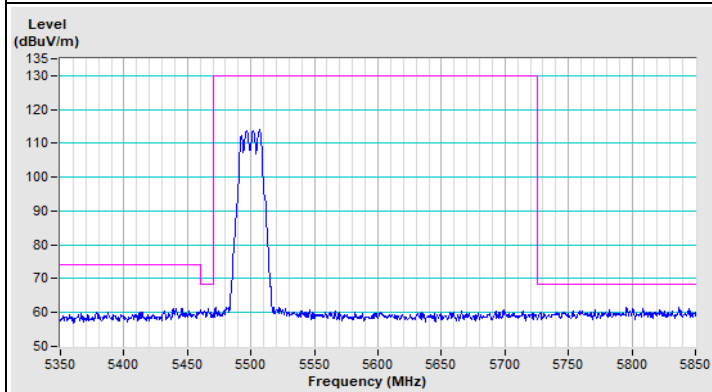
802.11a Channel 100



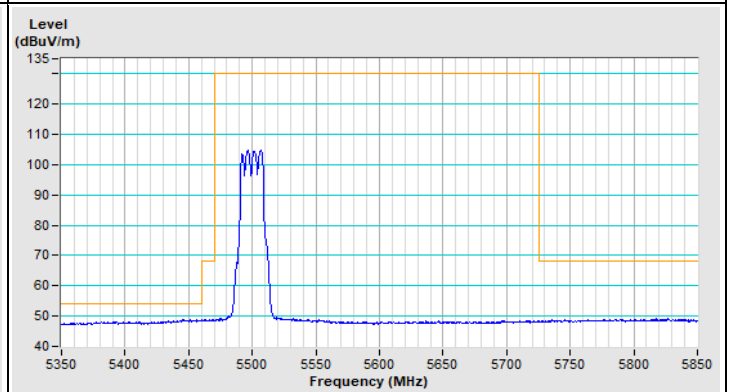
Horizontal (Peak)



Horizontal (Average)

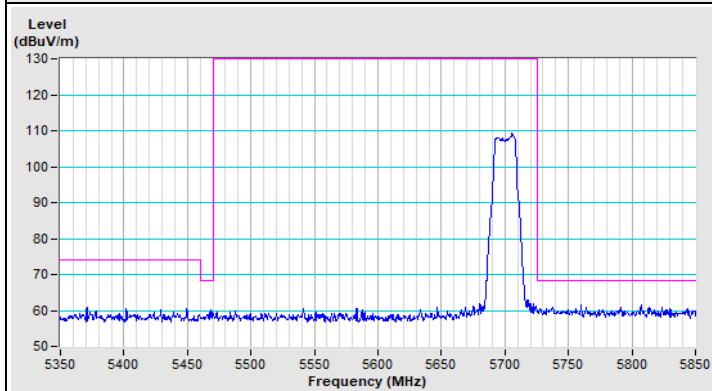


Vertical (Peak)

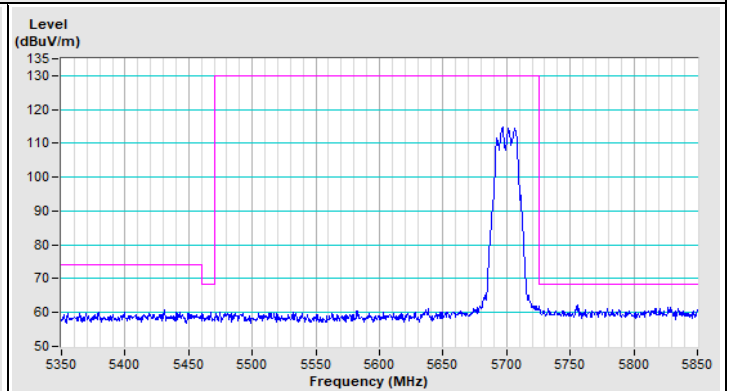


Vertical (Average)

802.11a Channel 140



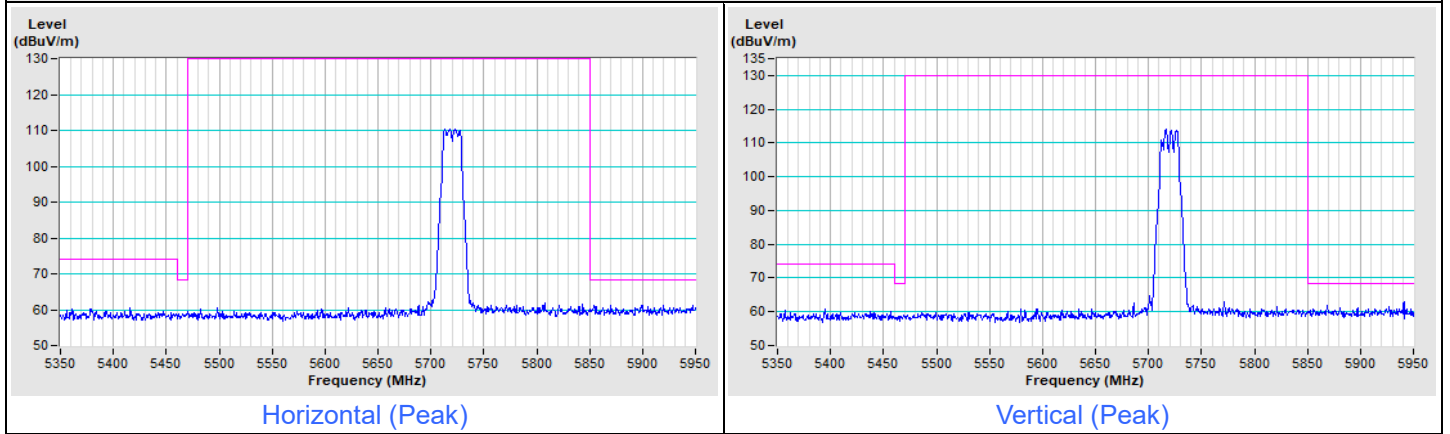
Horizontal (Peak)



Vertical (Peak)

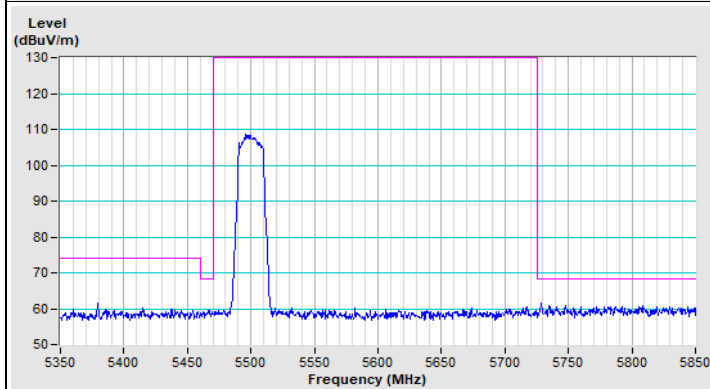
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

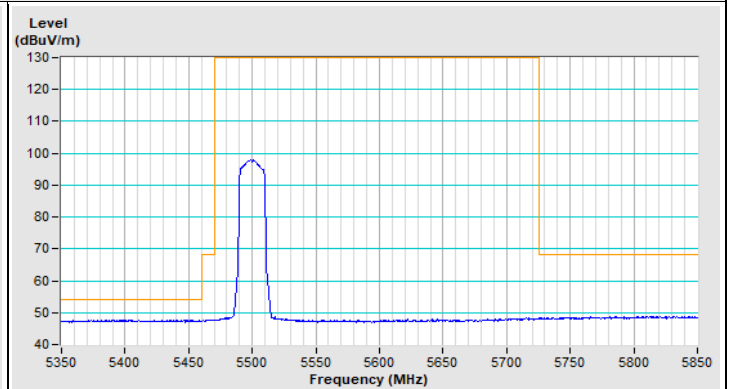


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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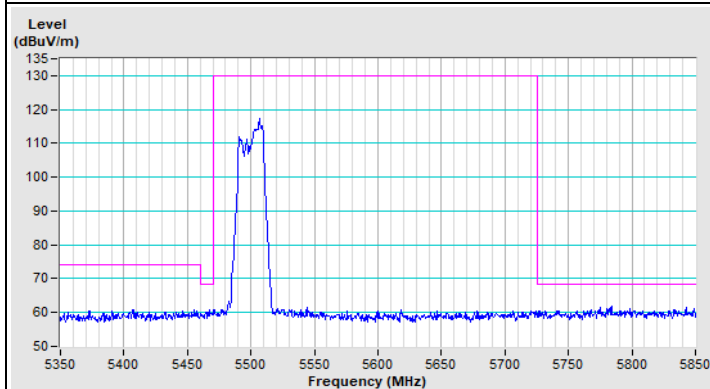
802.11be (EHT20) Channel 100



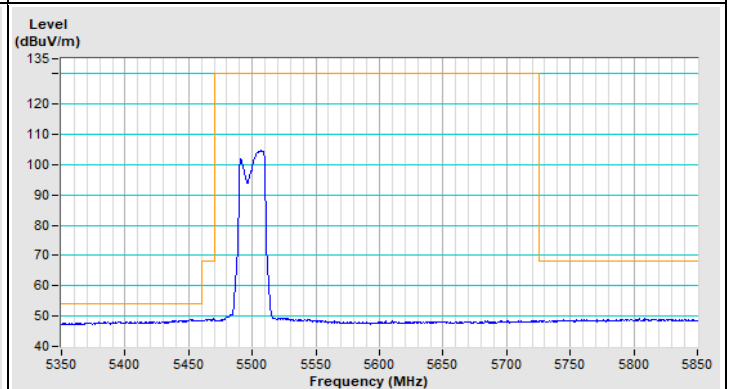
Horizontal (Peak)



Horizontal (Average)

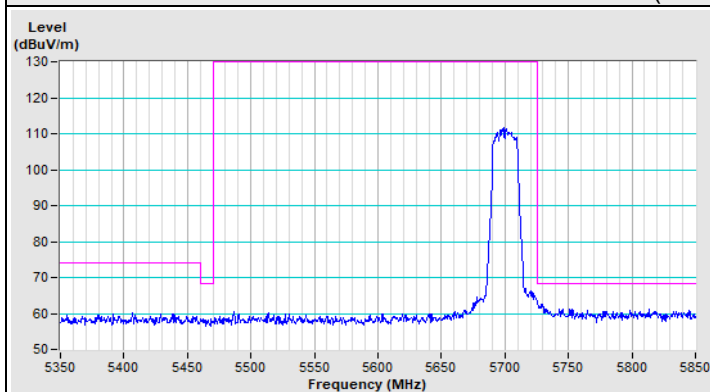


Vertical (Peak)

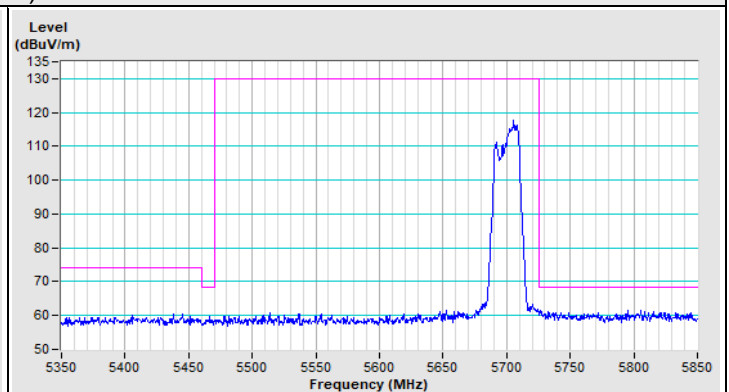


Vertical (Average)

802.11be (EHT20) Channel 140



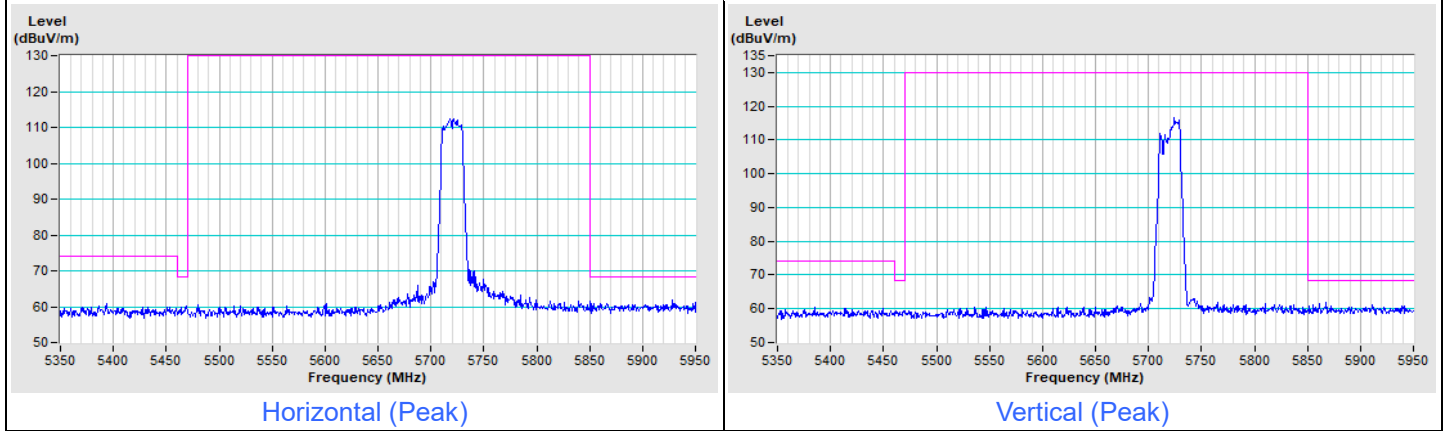
Horizontal (Peak)



Vertical (Peak)

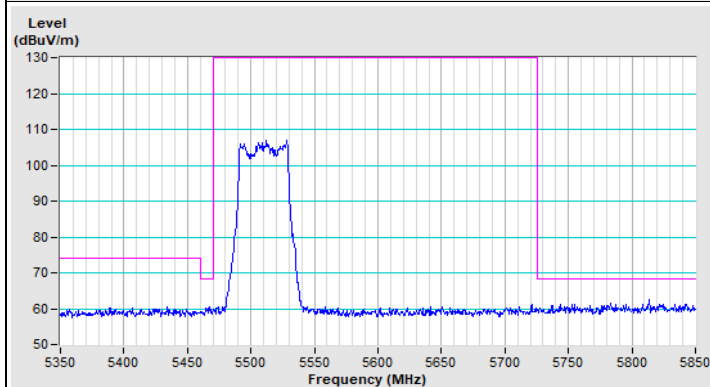
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT20) Channel 144

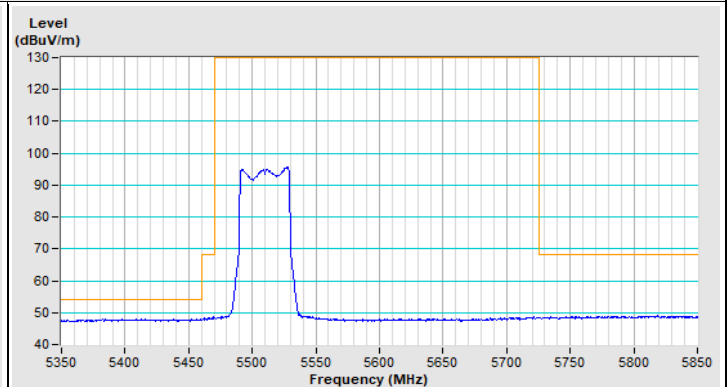


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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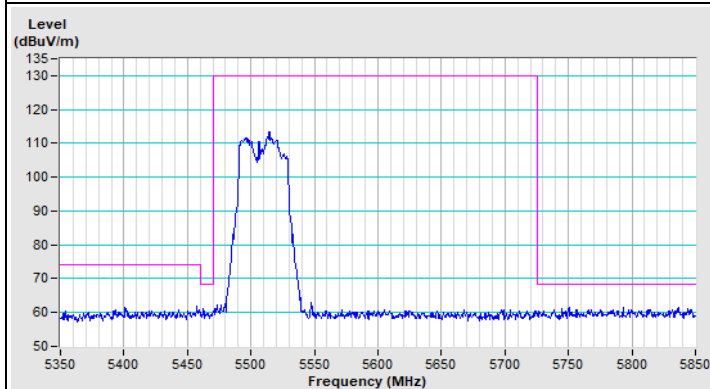
802.11be (EHT40) Channel 102



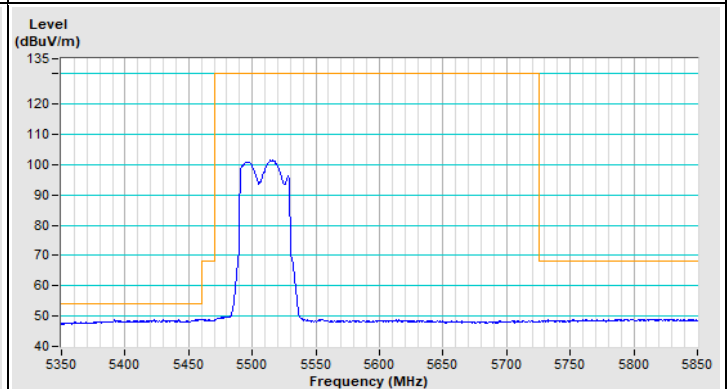
Horizontal (Peak)



Horizontal (Average)

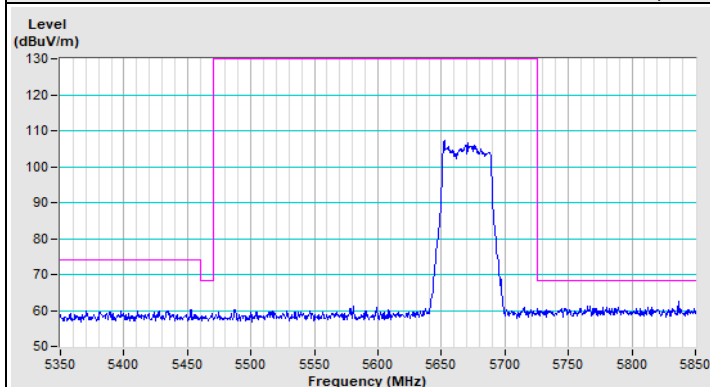


Vertical (Peak)

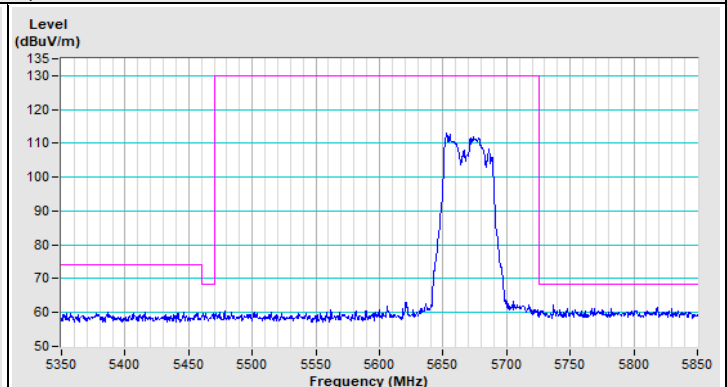


Vertical (Average)

802.11be (EHT40) Channel 134



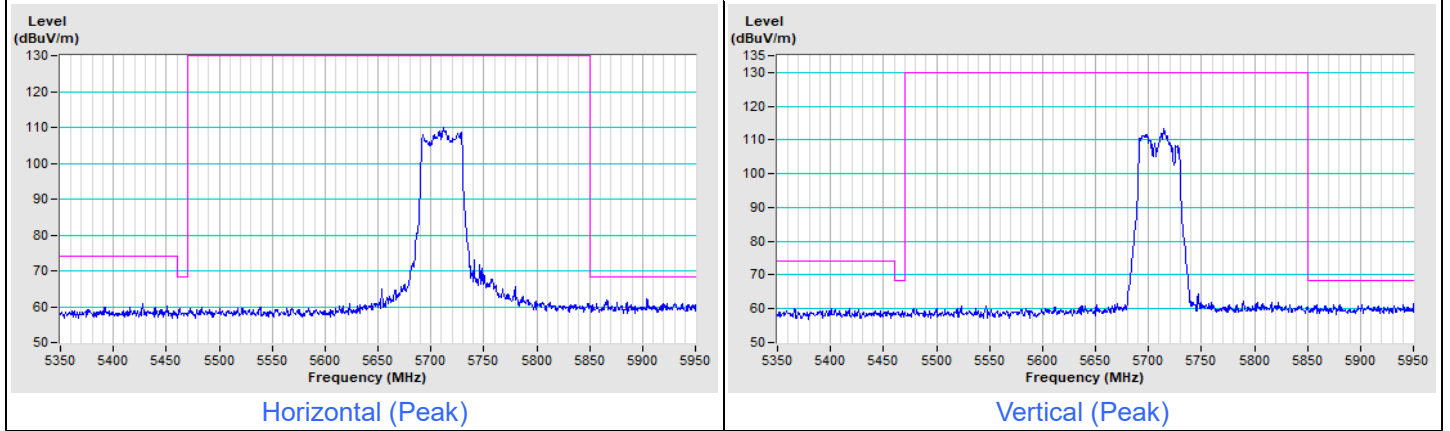
Horizontal (Peak)



Vertical (Peak)

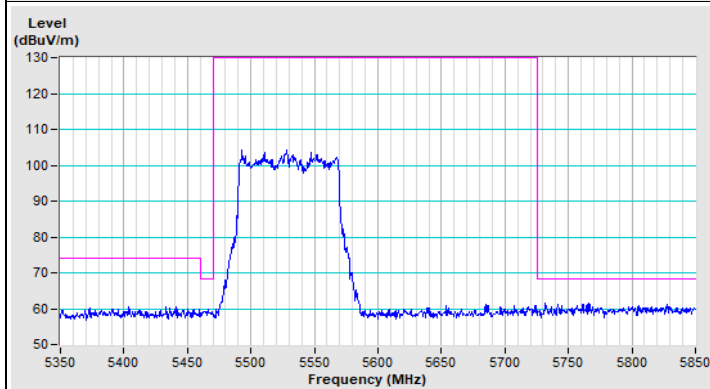
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT40) Channel 142

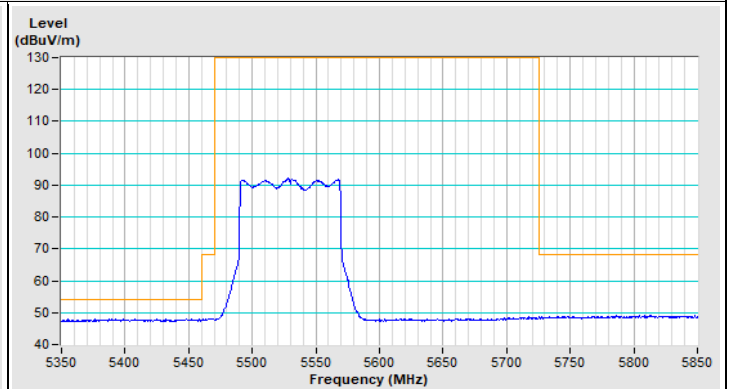


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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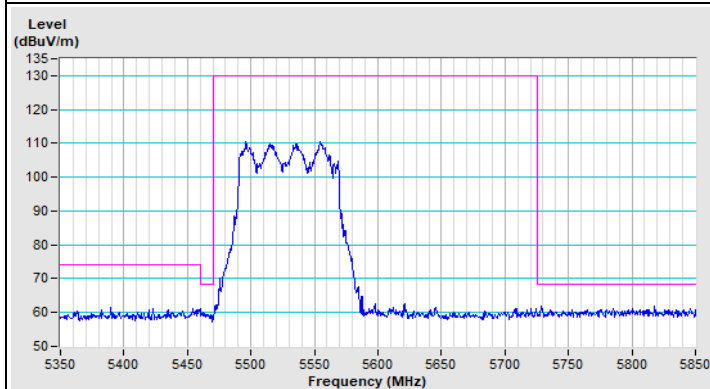
802.11be (EHT80) Channel 106



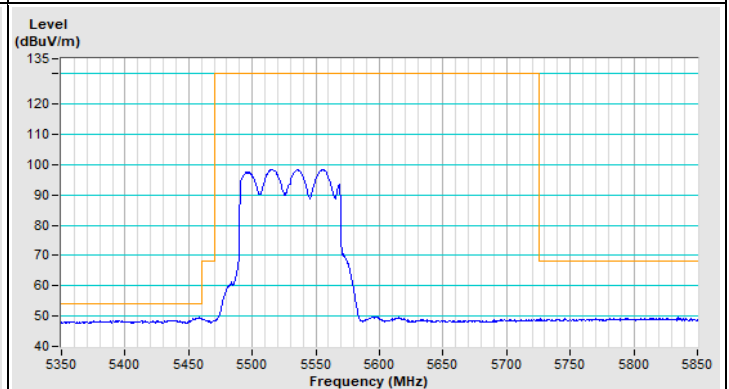
Horizontal (Peak)



Horizontal (Average)

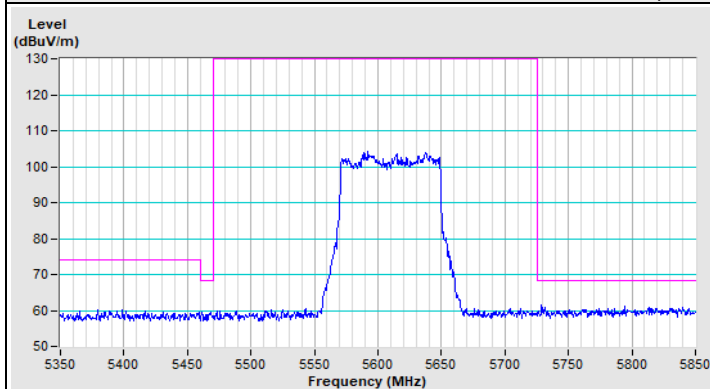


Vertical (Peak)

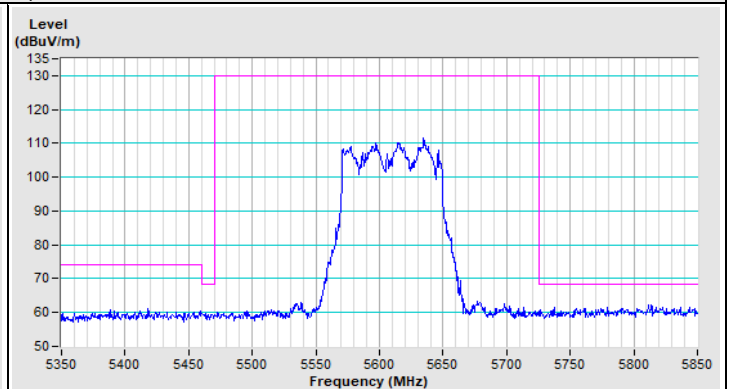


Vertical (Average)

802.11be (EHT80) Channel 122



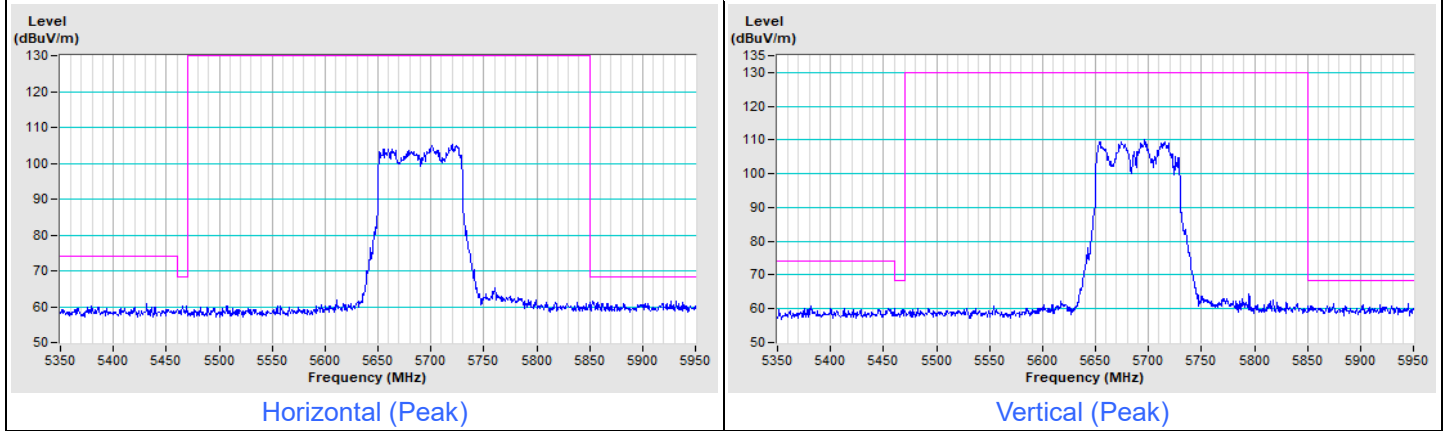
Horizontal (Peak)



Vertical (Peak)

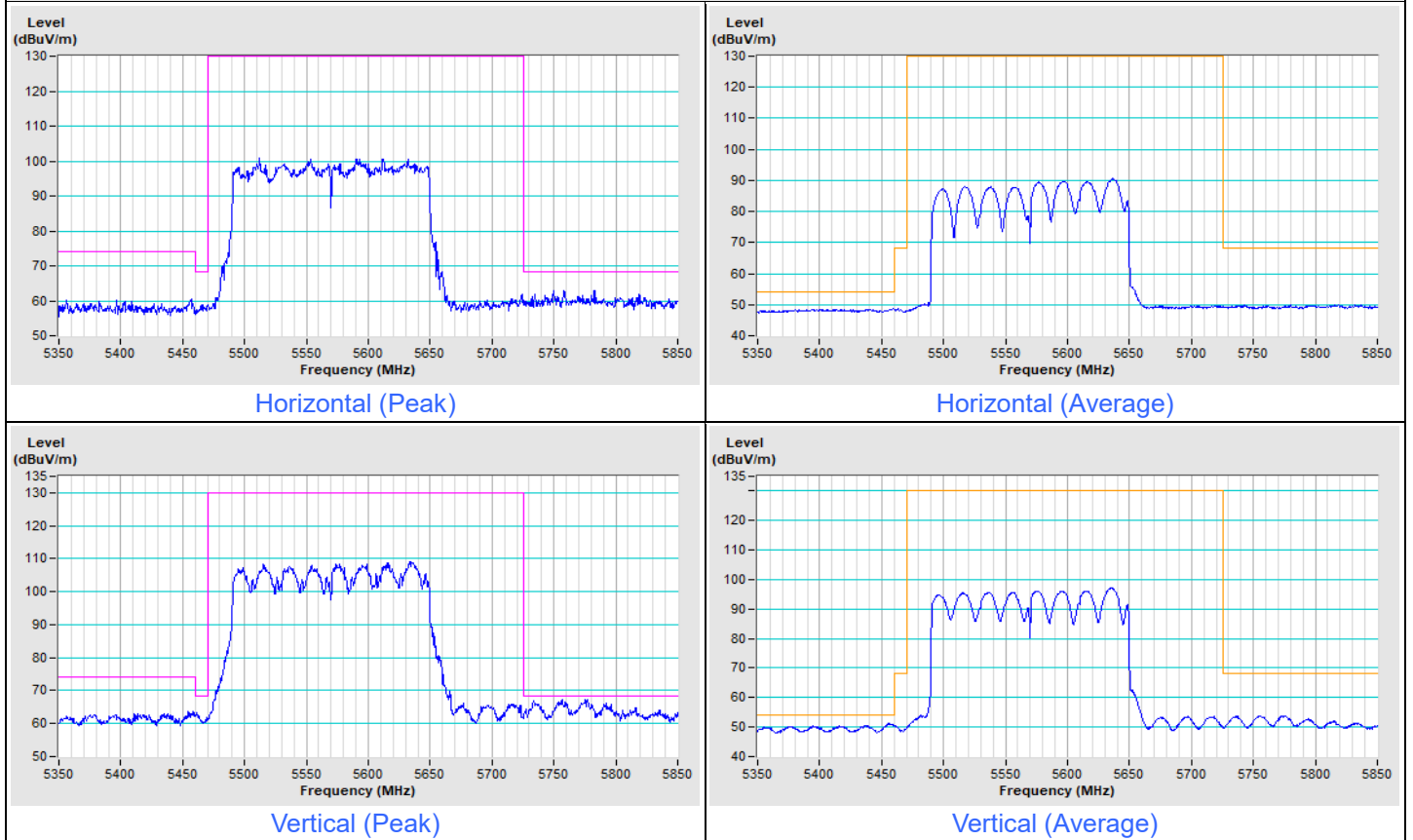
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT80) Channel 138



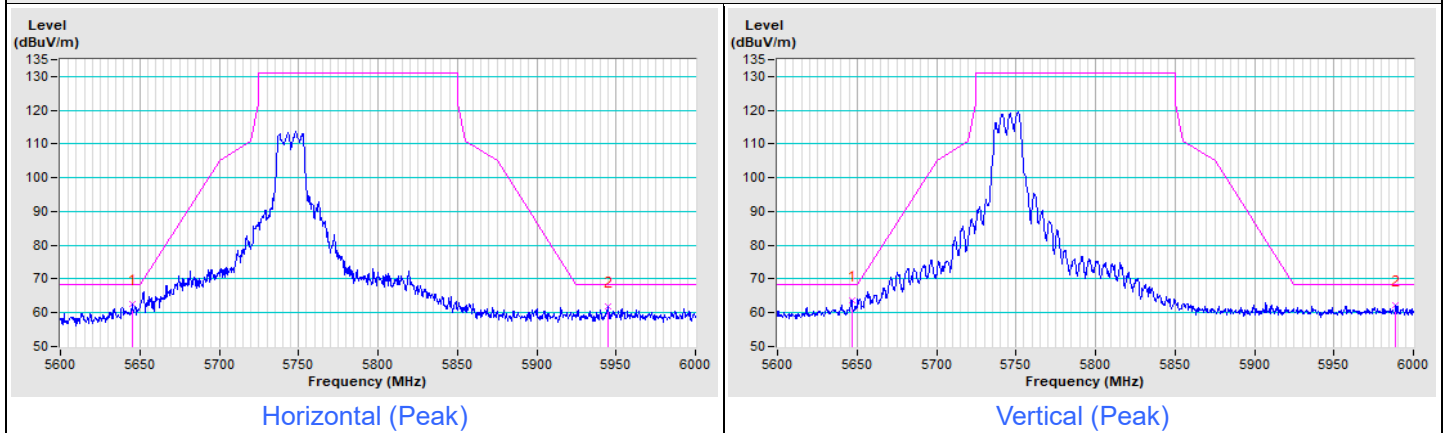
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 114

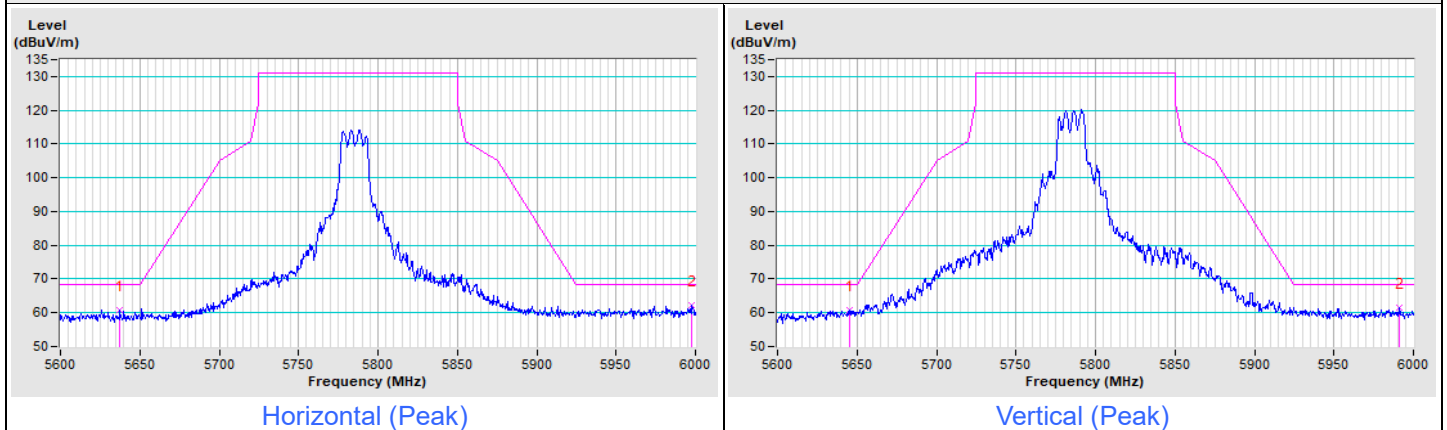


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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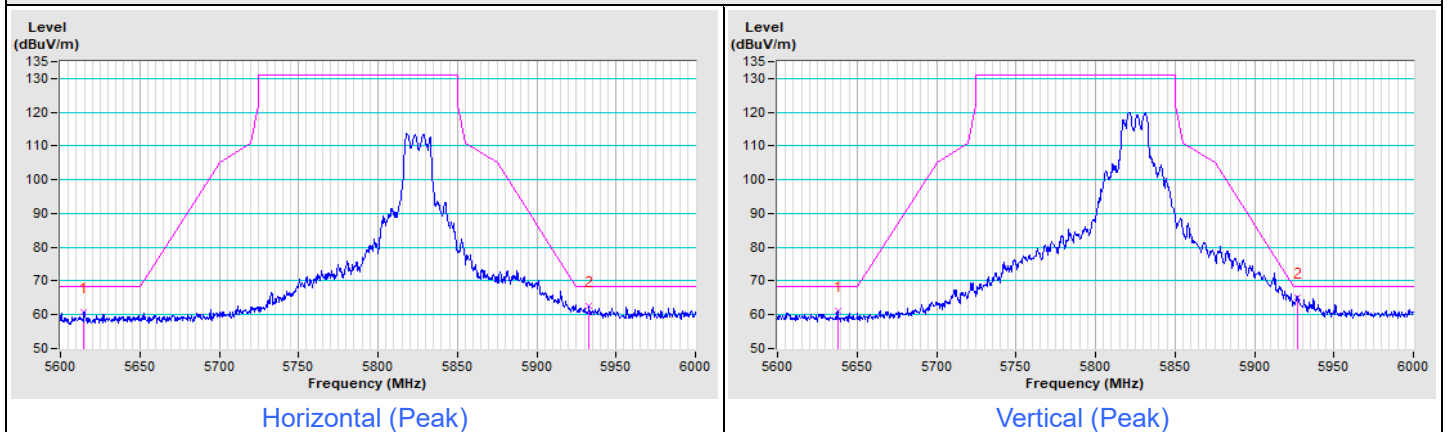
802.11a Channel 149



802.11a Channel 157

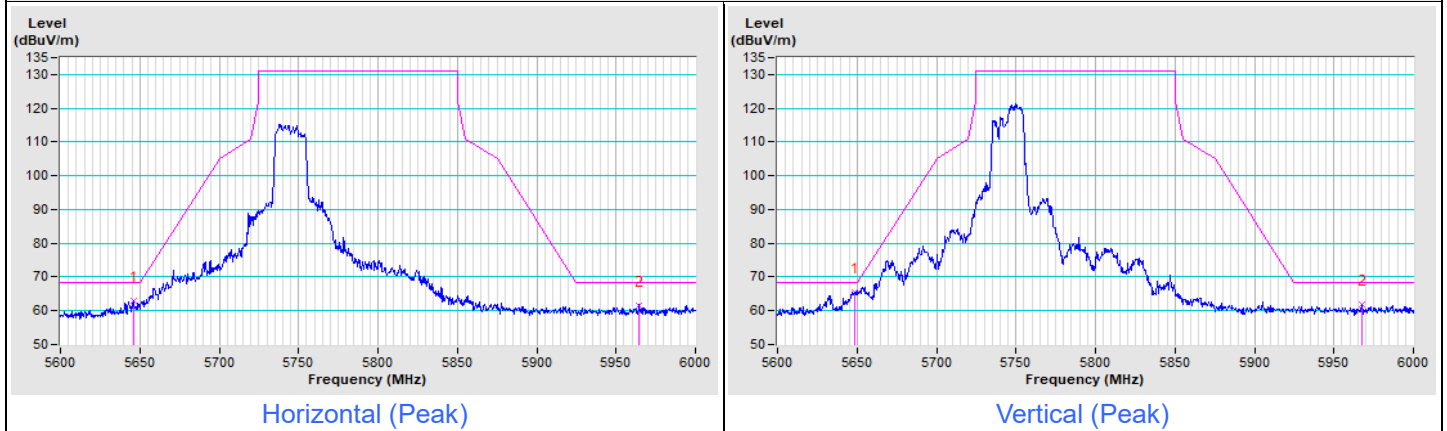


802.11a Channel 165

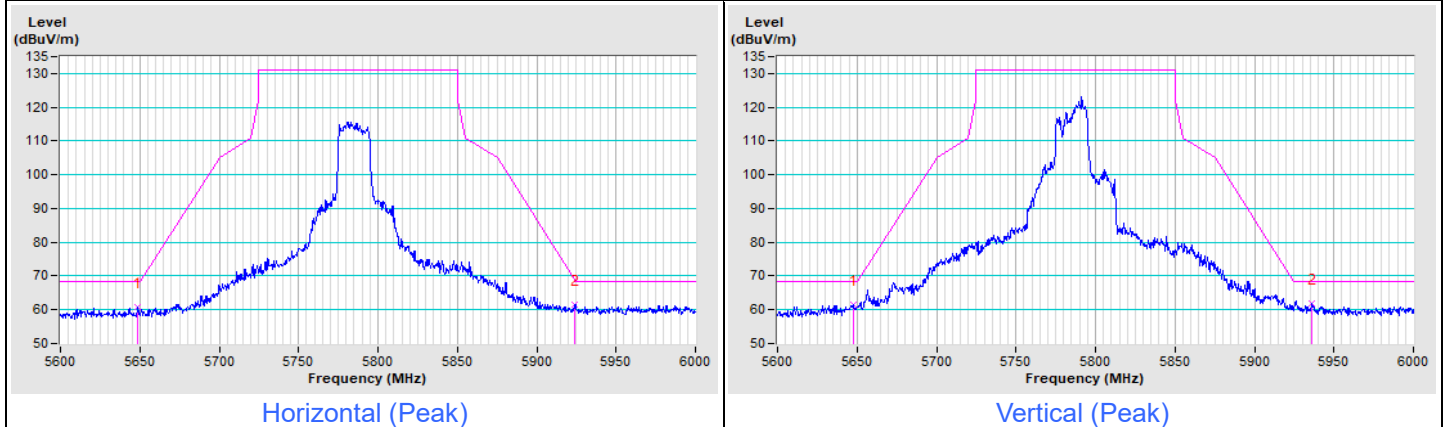


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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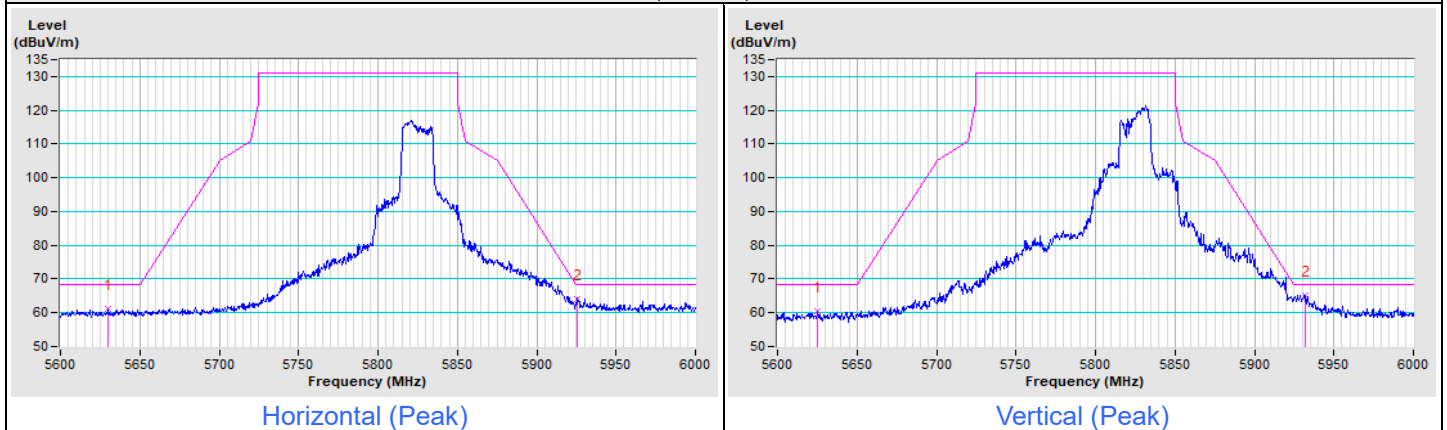
802.11be (EHT20) Channel 149



802.11be (EHT20) Channel 157

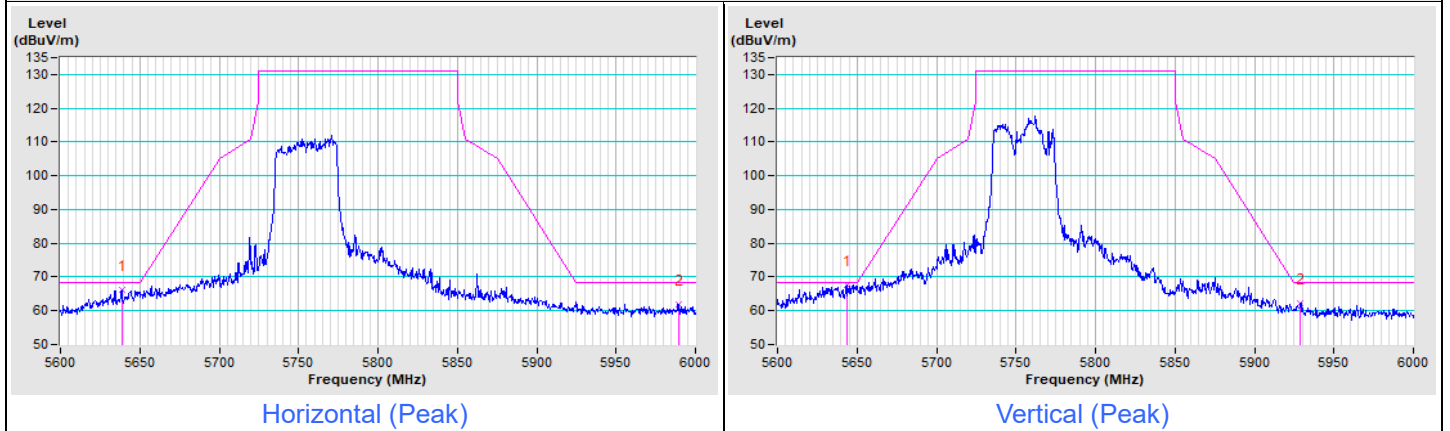


802.11be (EHT20) Channel 165

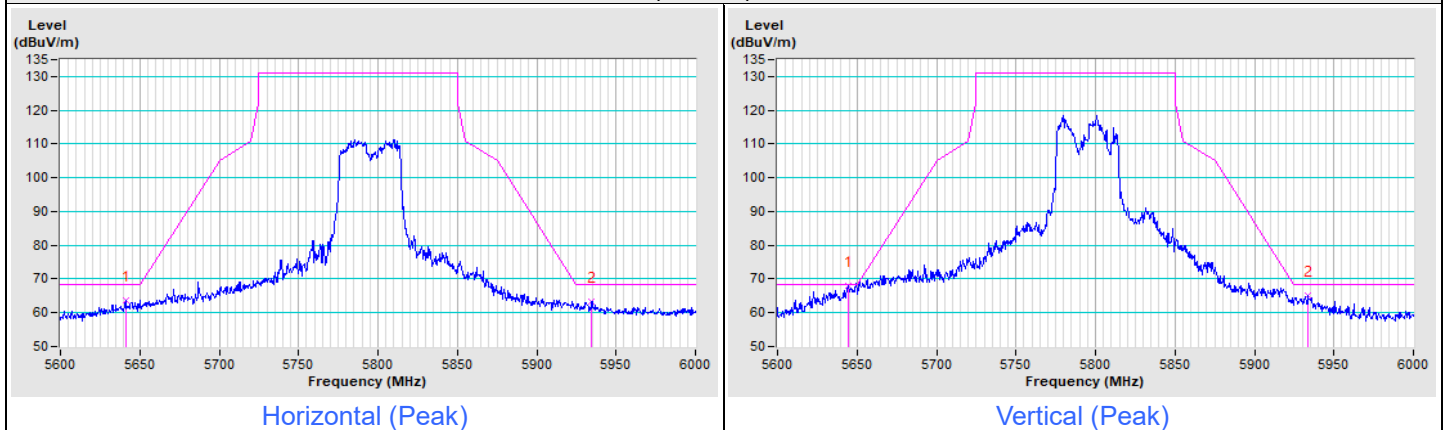


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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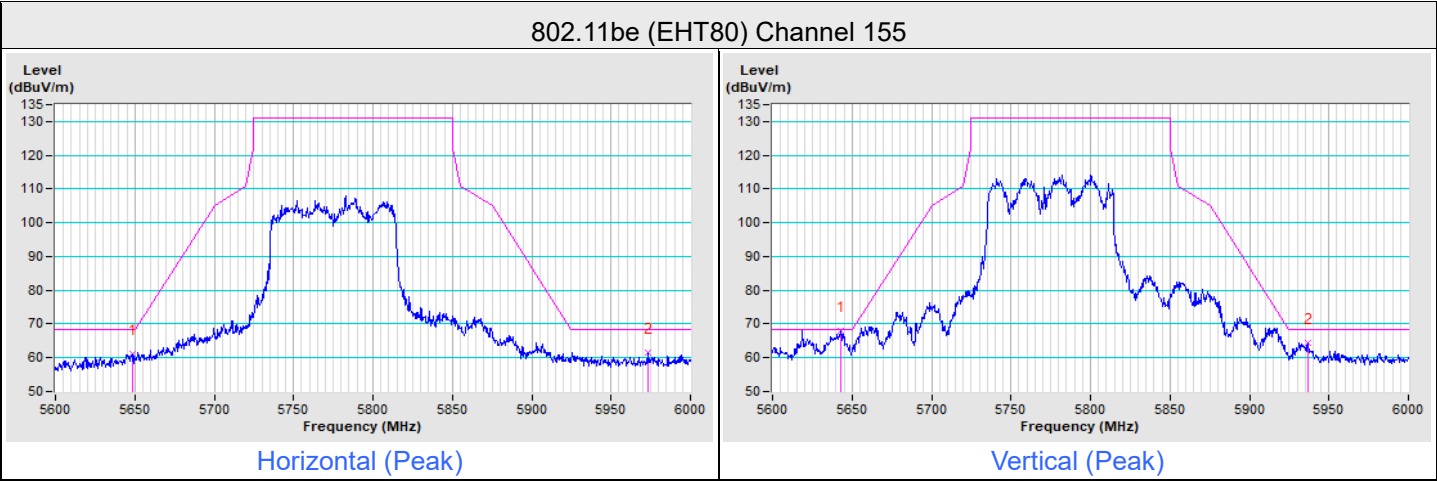
802.11be (EHT40) Channel 151



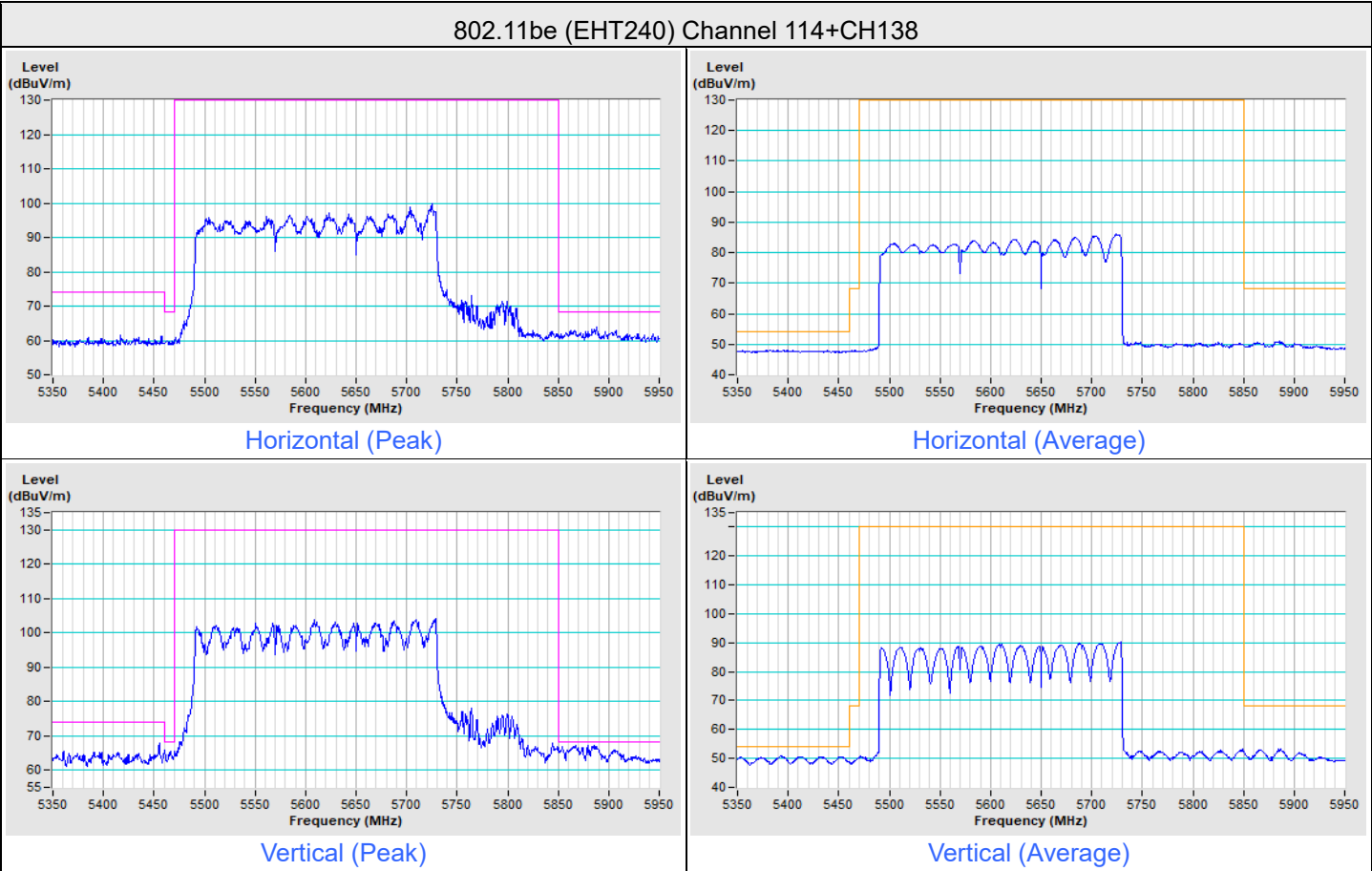
802.11be (EHT40) Channel 159



Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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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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