

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBBQZ-WTW-P23090412-1
FCC ID: PY323400613
Product: BE9400 Tri-Band PoE 2.5G Insight Managed WiFi 7 Access Point
Brand: NETGEAR
Model No.: WBE710
Series Model: WBE718 (Refer to item 3.1 for more details)
Received Date: 2023/10/4
Test Date: 2023/11/14 ~ 2024/5/2
Issued Date: 2024/5/17

Applicant and Manufacturer: NETGEAR, INC.

Address: 350 East Plumeria Drive San Jose CA 95134

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

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

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

FCC Registration / 788550 / TW0003

Designation Number:

Approved by:

Jeremy Lin

Date:

2024/5/17

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-P23090412-1	Original Release	2024/5/17

1 Certificate

Product: BE9400 Tri-Band PoE 2.5G Insight Managed WiFi 7 Access Point

Brand: NETGEAR

Test Model: WBE710

Series Model: WBE718

Sample Status: Engineering sample

Applicant and Manufacturer: NETGEAR, INC.

Test Date: 2023/11/14 ~ 2024/5/2

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

Measurement procedure: ANSI C63.10-2013

KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -19.62 dB at 0.15800 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -12.9 dB at 36.79 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 5150.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

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
Frequency Stability	-	0.176 ppm
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	BE9400 Tri-Band PoE 2.5G Insight Managed WiFi 7 Access Point
Brand	NETGEAR
Test Model	WBE710
Series Model	WBE718
Model Difference	Refer to note
Status of EUT	Engineering sample
Power Supply Rating	Refer to note
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 2882.4 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 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 : 814.496 mW (29.11 dBm) 5500 ~ 5720 MHz : 219.577 mW (23.42 dBm) 5745 ~ 5825 MHz : 851.594 mW (29.30 dBm) Beamforming Mode: 5180 ~ 5320 MHz : 810.901 mW (29.09 dBm) 5500 ~ 5720 MHz : 219.577 mW (23.42 dBm) 5745 ~ 5825 MHz : 848.538 mW (29.29 dBm)
EUT Category	Indoor Access Point

Note:

1. All models are listed as below. Model WBE710 is the representative for final test.

Brand	Model	Difference
NETGEAR	WBE710	Same HW, only change model name from SW
	WBE718	

2. The EUT uses following support units.

AC Adapter 1	Brand	NETGEAR
	Model	ADS-40FPC-12 12030E
	Part Number	332-11699-01
	AC Input	100-240V ~ 50/60 Hz
	DC Output	12.0V 2.5A 30.0W
	DC Output Cable	1.76M / without core
	Plug	Changeable
	Manufacturer	Vietnam Honor High Tech Company Limited
AC Adapter 2	Brand	NETGEAR
	Model	ADS-40FPA-12 12030EPCU-L ADS-40FPA-12 12030EPC-L
	Part Number	332-11584-01
	AC Input	100-120V ~ 60Hz MAX 1.0A
	DC Output	12V 2.5A
	DC Output Cable	1.77M / without core
	Plug	US
	Manufacturer	Vietnam Honor High Tech Company Limited
AC Adapter 3	Brand	NETGEAR
	Model	2AED030FC
	Part Number	332-1171201
	AC Input	100-240V ~50- 60Hz MAX 1.0A
	DC Output	12.0V 2.5A 30.0W
	DC Output Cable	1.77M / without core
	Plug	Changeable
	Manufacturer	Channel Well Technology (Guangzhou) Co., Ltd
POE	Brand	NETGEAR
	Model	MS108UP
	DC Input	54V- 4.7A

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

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)		Directional Antenna Gain (dBi)
			Chain 0	Chain 1	
PIFA	ipex(MHF)	2400~2483.5 MHz	2.83	2.37	4.92
PIFA	ipex(MHF)	5150~5250 MHz	5.04	4.89	6.21
PIFA	ipex(MHF)	5250~5350 MHz	5.04	4.89	6.18
PIFA	ipex(MHF)	5470~5725 MHz	5.15	5.13	6.46
PIFA	ipex(MHF)	5725~5850 MHz	4.95	5.07	6.37

* The detailed antenna information, please refer to the BV CPS report no.: RFBBQZ-WTW-P23090412-5.

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

Note:

1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), therefore the 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

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

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

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

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

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

3.5 Duty Cycle of Test Signal

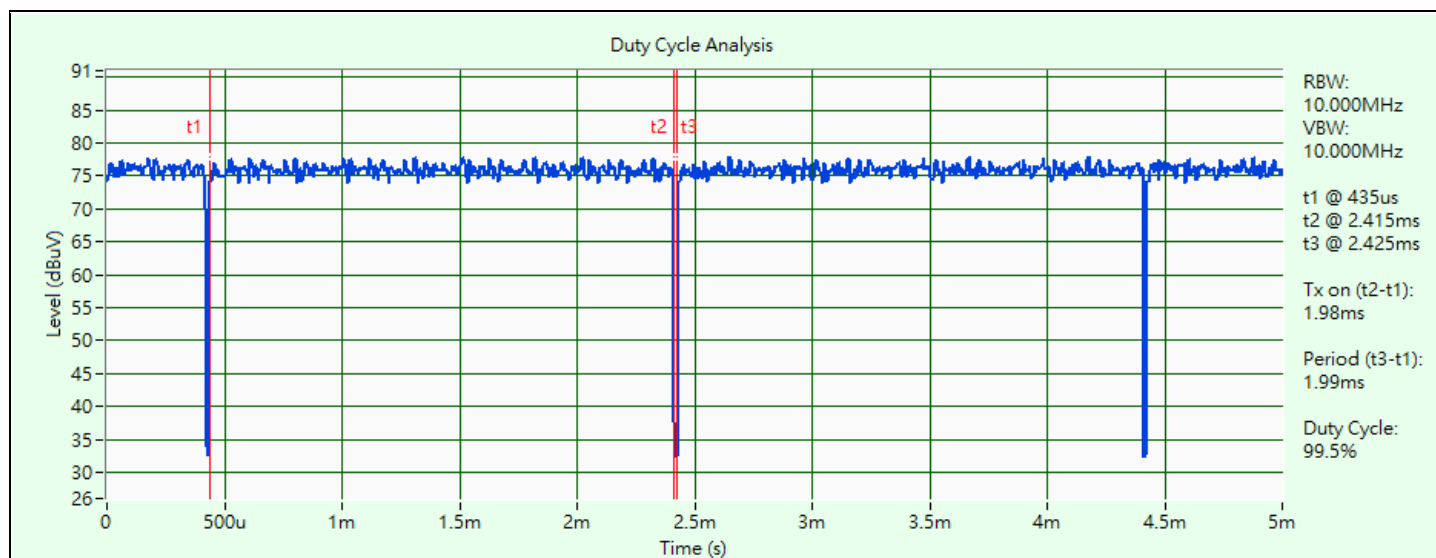
802.11a: Duty cycle = 1.98 ms / 1.99 ms x 100% = 99.5%

802.11be (EHT20): Duty cycle = 5.16 ms / 5.175 ms x 100% = 99.7%

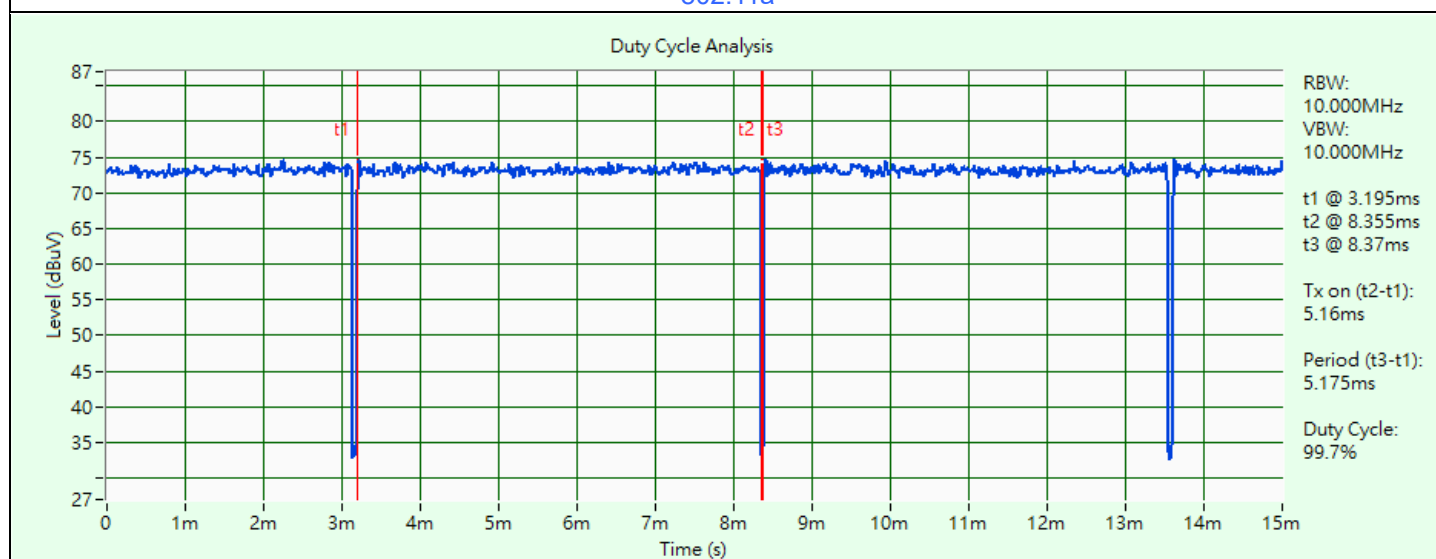
802.11be (EHT40): Duty cycle = 4.536 ms / 4.62 ms x 100% = 98.2%

802.11be (EHT80): Duty cycle = 5.4 ms / 5.475 ms x 100% = 98.6%

802.11be (EHT160): Duty cycle = 5.205 ms / 5.295 ms x 100% = 98.3%

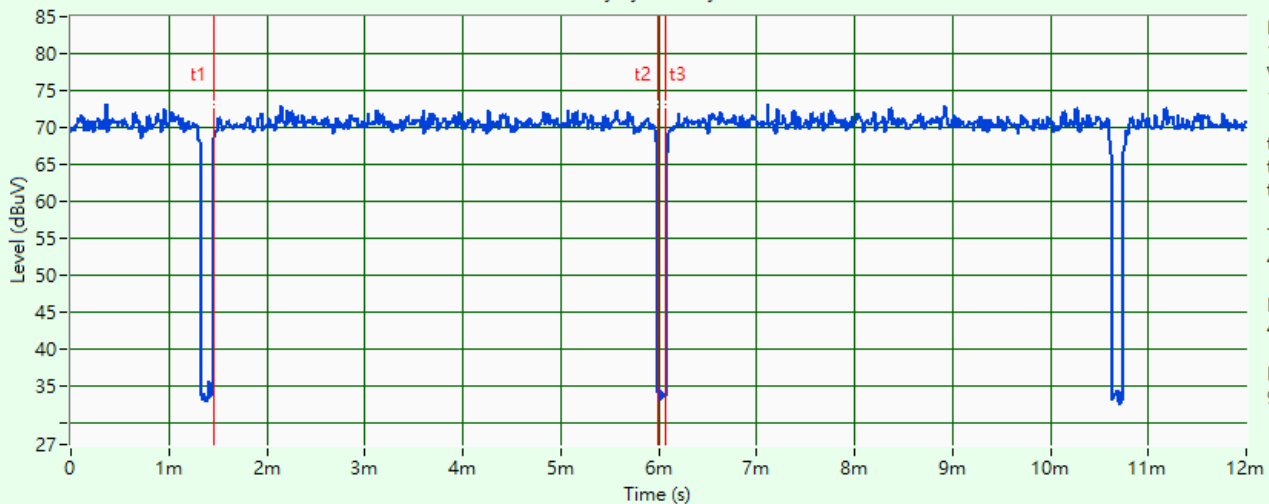


802.11a



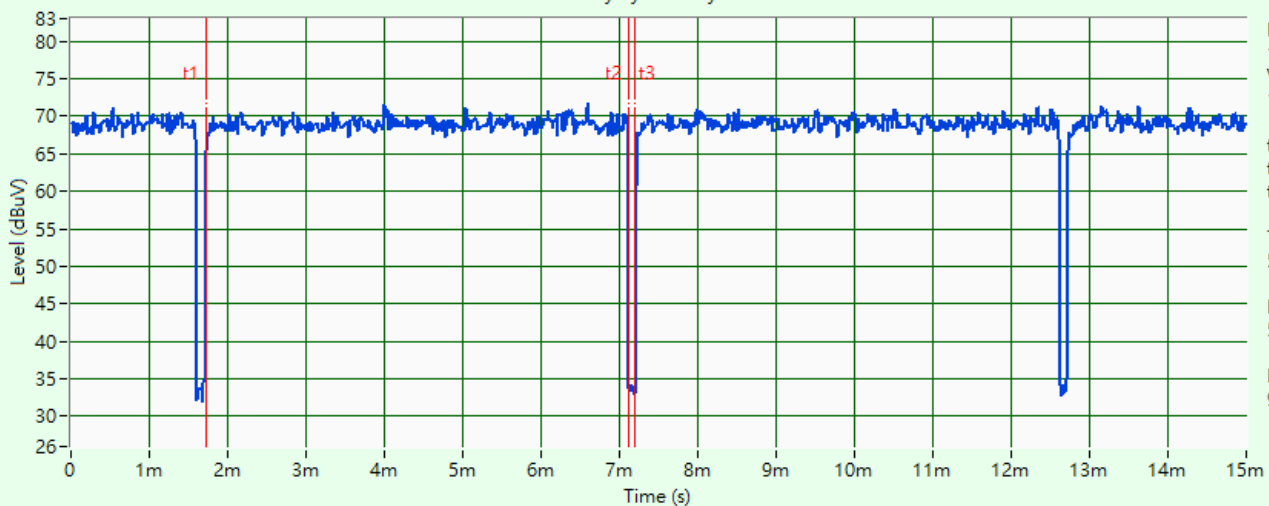
802.11be (EHT20)

Duty Cycle Analysis



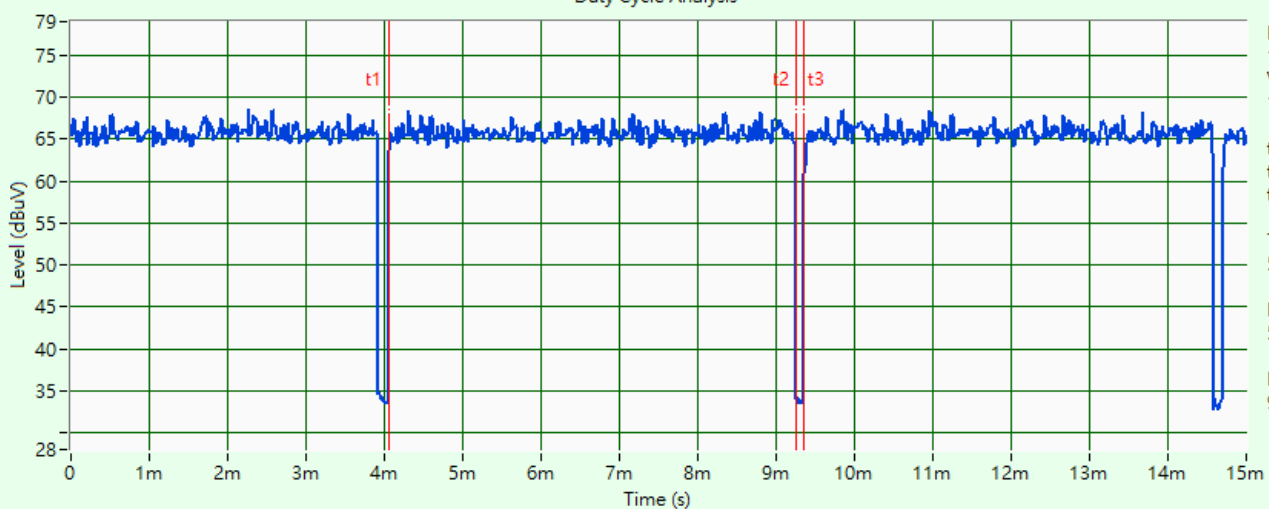
802.11be (EHT40)

Duty Cycle Analysis



802.11be (EHT80)

Duty Cycle Analysis

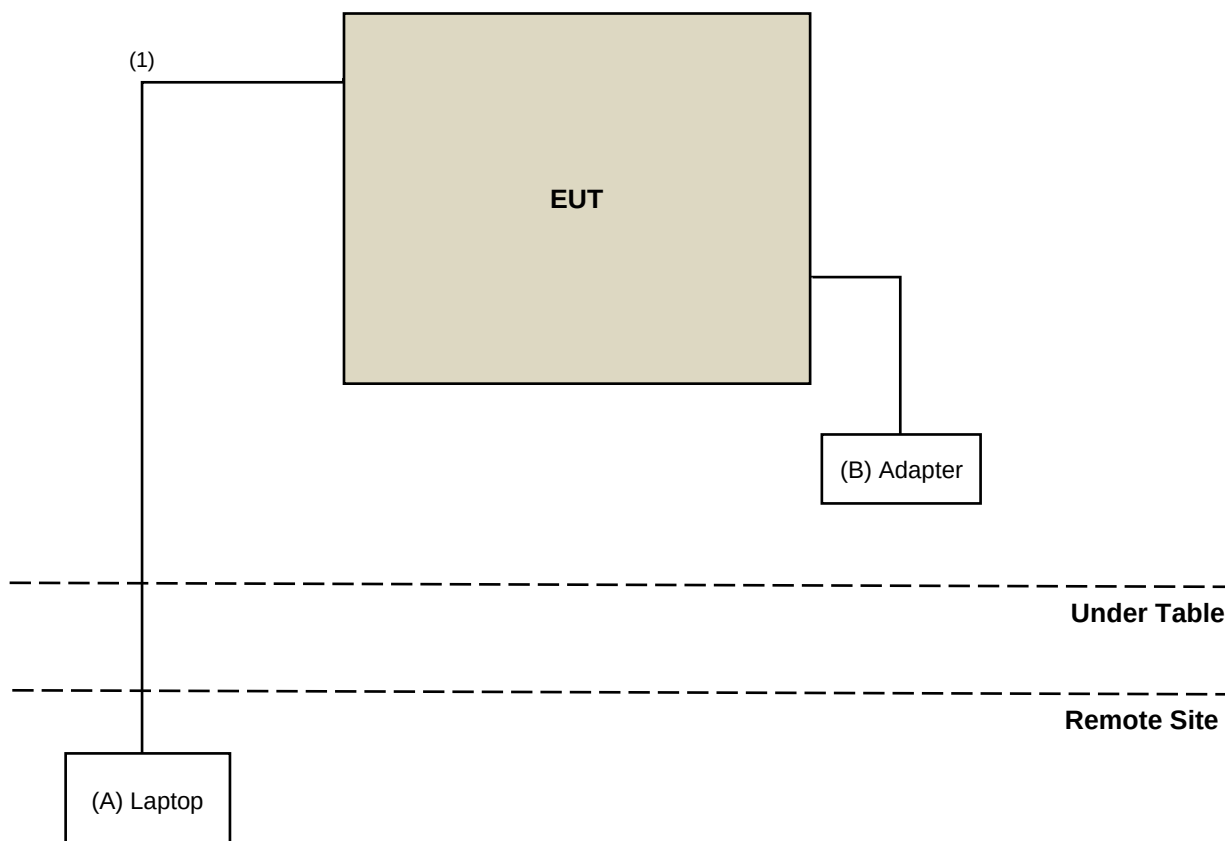


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software QSPR V5.0.188.0 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	2RL3YW1	N/A	Provided by Lab
B	Adapter	NETGEAR	ADS-40FPC-12 12030E	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	10	N	N	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	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: 2024/5/2

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2024/1/21	2025/1/20
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2024/1/18	2025/1/17
		MY58140009	2024/1/18	2025/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/5/2

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Supply JIN YIH Technology	6905S	1720444	N/A	N/A
Digital Multimeter Fluke	87III	70360742	2023/7/6	2024/7/5
Signal & Spectrum Analyzer R&S	FSV3044	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: 2024/5/2

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011315	13	2023/11/22	2024/11/21
50 ohm terminal resistance	E1-011279	04	2023/11/22	2024/11/21
	E1-011280	05	2023/11/22	2024/11/21
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESCI	100613	2023/12/4	2024/12/3
Fixed Attenuator Mini-Circuits	HAT-10+	PAD-COND1-01	2024/1/6	2025/1/5
LISN R&S	ENV216	101826	2024/3/25	2025/3/24
	ESH3-Z5	100311	2023/9/6	2024/9/5
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2024/1/6	2025/1/5
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2024/4/24

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	2024/4/12	2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/4/24

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	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170241	2023/10/16	2024/10/15
		BBHA9170243	2023/11/12	2024/11/11
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
Preamplifier Keysight	83017A	MY53270295	2023/5/7	2024/5/6
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	2024/4/12 2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2023/11/14 ~ 2024/4/18

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.

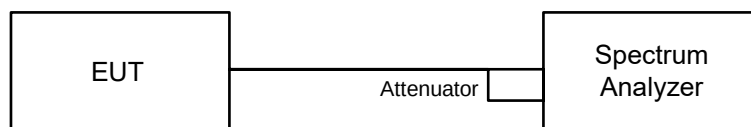
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

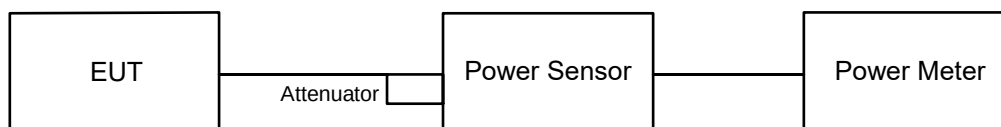


6.1.2 Test Procedure

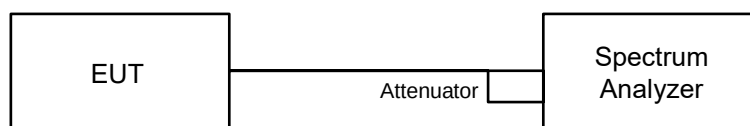
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

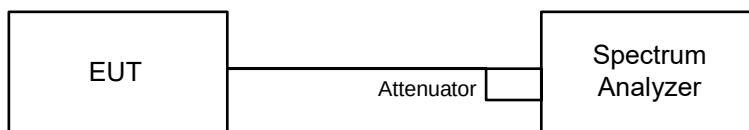
Method SA-1

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

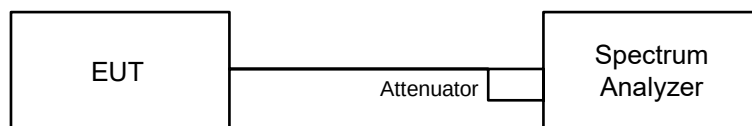
For specified measurement bandwidth 500 kHz:

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

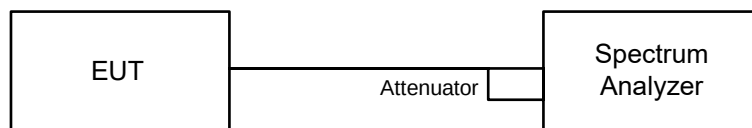


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

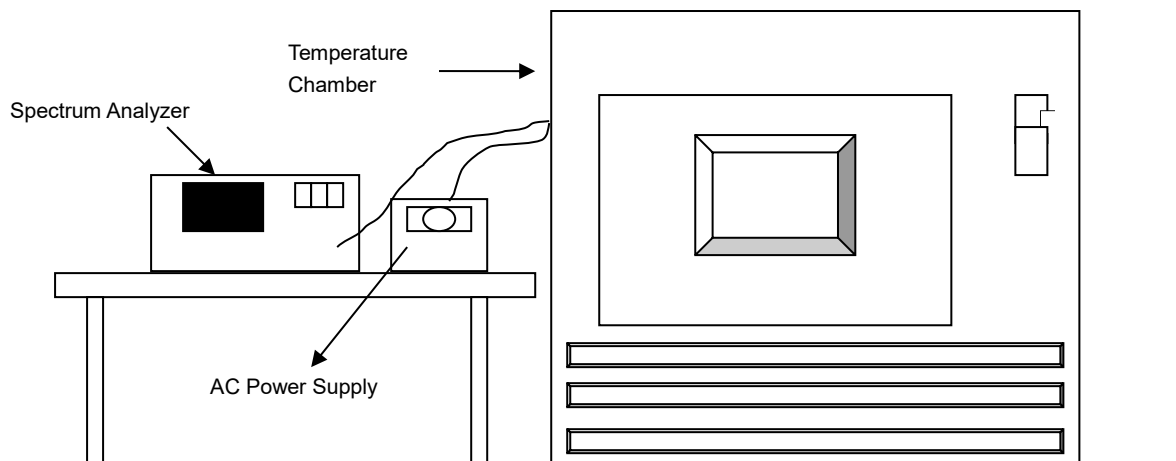


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

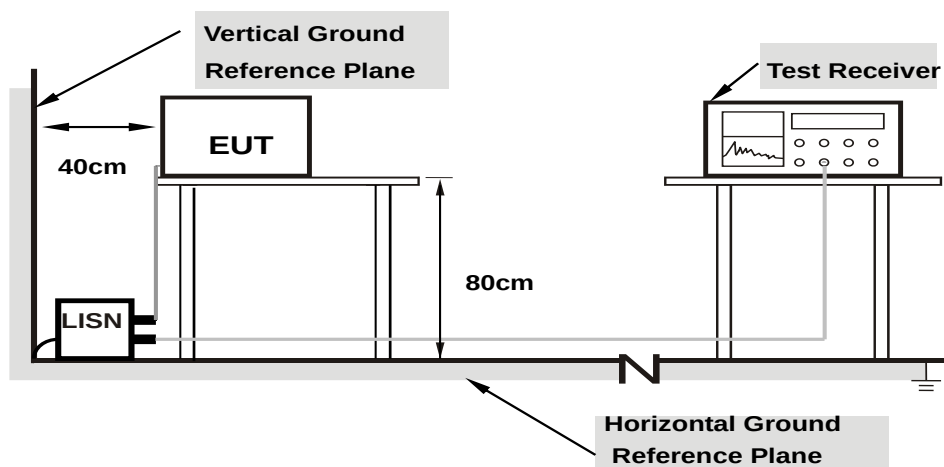


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

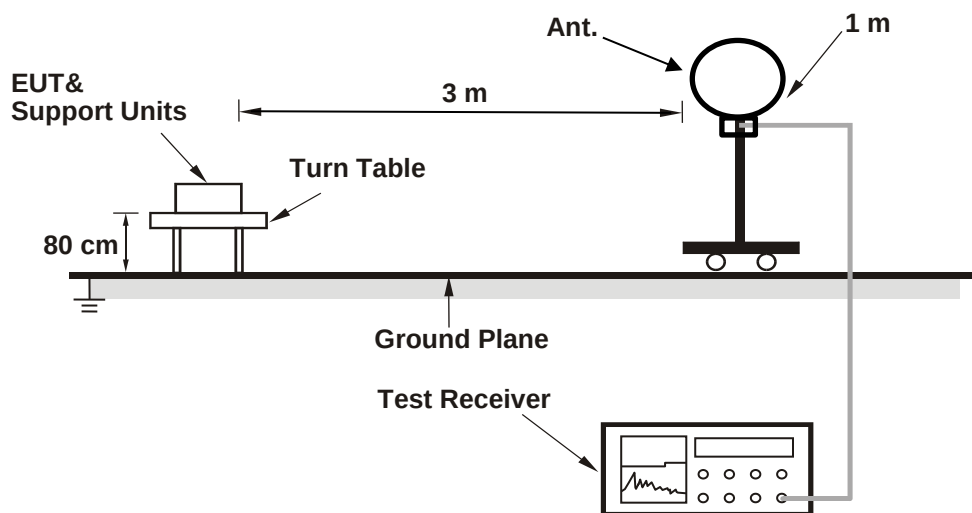
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

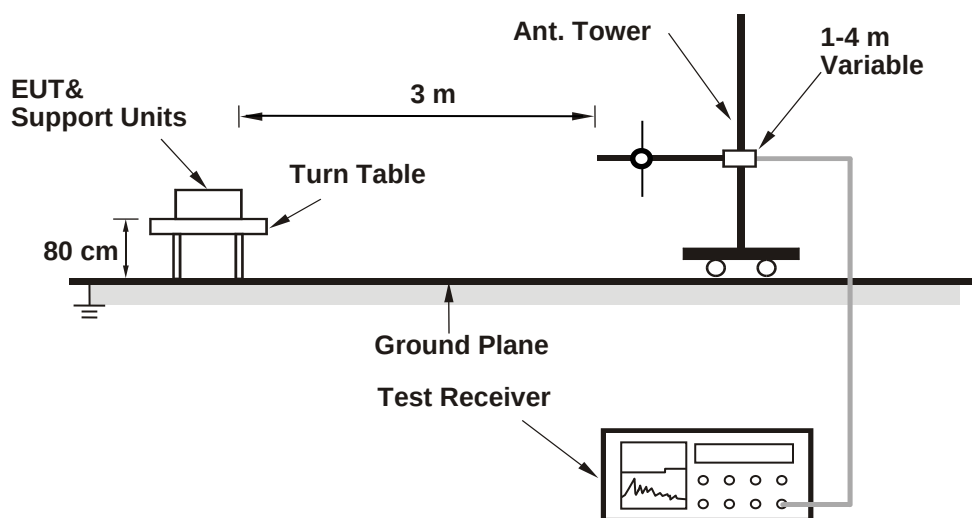
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

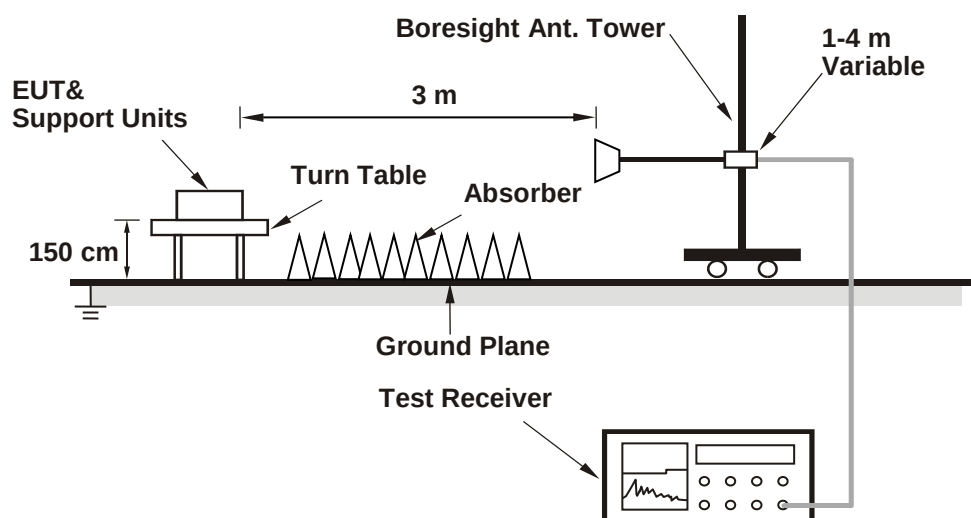
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	22.60	22.51
60	5300	22.74	22.76
64	5320	22.45	22.55
100	5500	22.57	22.48
116	5580	22.44	22.48
140	5700	22.48	22.51
144 (U-NII-2C)	5720	16.21	16.34
144 (U-NII-3)	5720	6.23	6.26

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	22.51	24.52 > 24
60	5300	22.74	24.56 > 24
64	5320	22.45	24.51 > 24
100	5500	22.48	24.51 > 24
116	5580	22.44	24.51 > 24
140	5700	22.48	24.51 > 24
144 (U-NII-2C)	5720	16.21	23.09 < 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	23.55	23.18
60	5300	23.50	23.37
64	5320	23.57	23.69
100	5500	23.56	23.18
116	5580	23.31	23.69
140	5700	23.55	23.56
144 (U-NII-2C)	5720	16.53	16.86
144 (U-NII-3)	5720	6.72	6.73

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	23.18	24.65 > 24
60	5300	23.37	24.68 > 24
64	5320	23.57	24.72 > 24
100	5500	23.18	24.65 > 24
116	5580	23.31	24.67 > 24
140	5700	23.55	24.71 > 24
144 (U-NII-2C)	5720	16.53	23.18 < 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	45.39	44.92
62	5310	45.06	45.48
102	5510	44.90	44.82
110	5550	45.21	44.85
134	5670	45.31	44.67
142 (U-NII-2C)	5710	37.21	37.83
142 (U-NII-3)	5710	7.58	7.67

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	44.92	27.52 > 24
62	5310	45.06	27.53 > 24
102	5510	44.82	27.51 > 24
110	5550	44.85	27.51 > 24
134	5670	44.67	27.5 > 24
142 (U-NII-2C)	5710	37.21	26.7 > 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	90.94	90.47
106	5530	91.61	90.87
122	5610	90.50	91.06
138 (U-NII-2C)	5690	81.37	81.30
138 (U-NII-3)	5690	10.38	10.86

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	90.47	30.56 > 24
106	5530	90.87	30.58 > 24
122	5610	90.50	30.56 > 24
138 (U-NII-2C)	5690	81.30	30.1 > 24

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

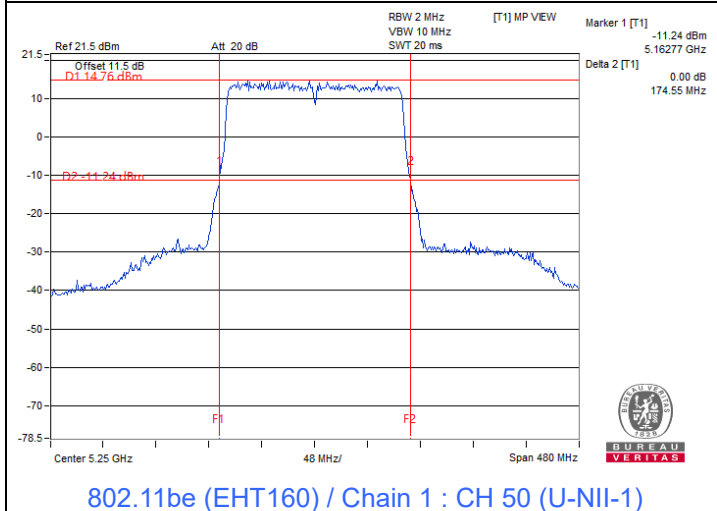
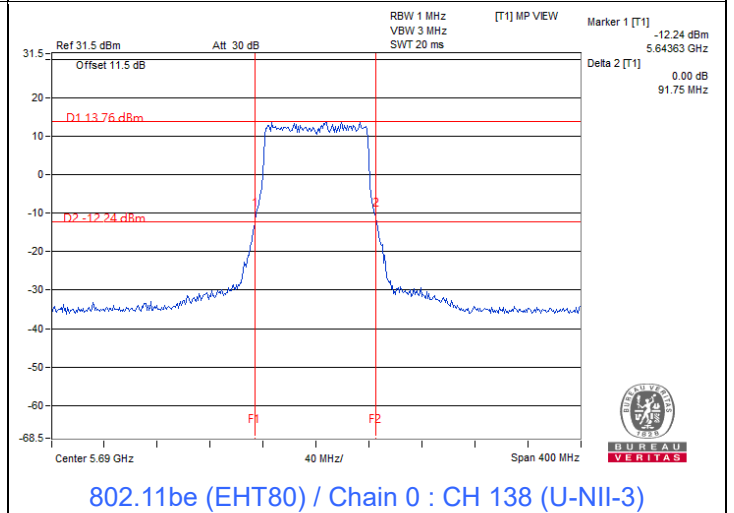
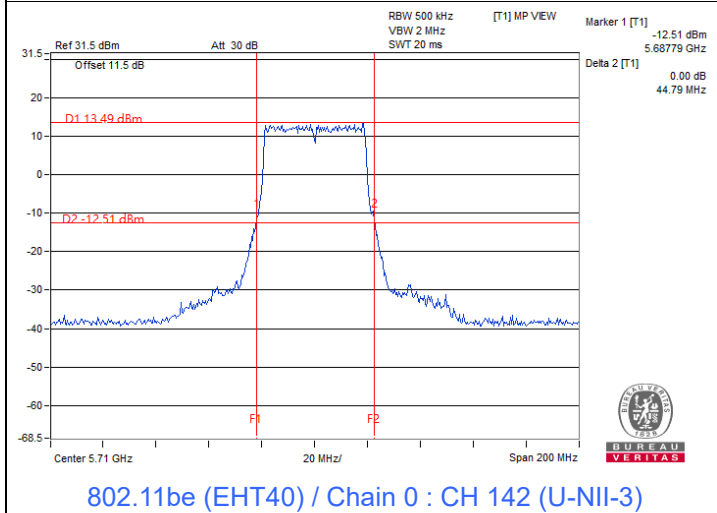
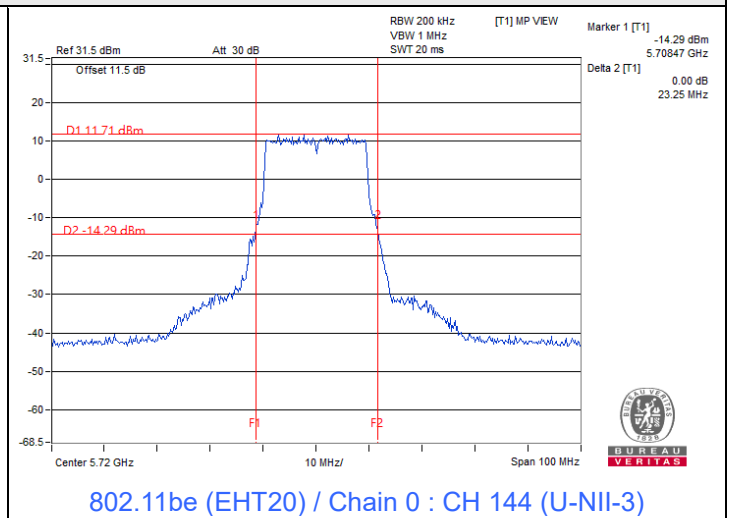
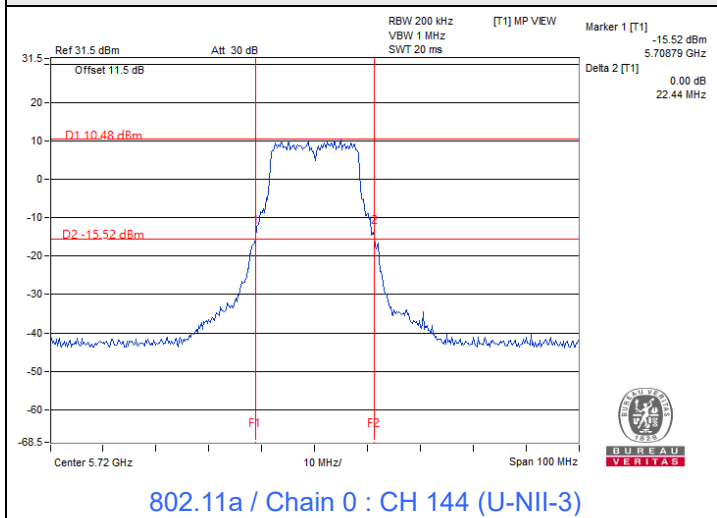
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	87.92	87.23
50 (U-NII-2A)	5250	87.26	87.32
114	5570	174.93	173.62

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	87.26	30.4 > 24
114	5570	173.62	33.39 > 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:	Jisyoung Wang
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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	22.84	23.22	402.203	26.04	30	Pass
40	5200	26.78	25.29	814.496	29.11	30	Pass
48	5240	26.14	25.96	805.607	29.06	30	Pass
52	5260	20.19	20.32	212.119	23.27	24	Pass
60	5300	20.61	19.84	211.463	23.25	24	Pass
64	5320	20.58	19.80	209.787	23.22	24	Pass
100	5500	20.29	20.15	210.42	23.23	24	Pass
116	5580	20.51	19.97	211.772	23.26	24	Pass
140	5700	19.83	18.97	175.047	22.43	24	Pass
*144 (U-NII-2C)	5720	18.52	18.64	144.235	21.59	23.09	Pass
*144 (U-NII-3)	5720	12.52	12.61	36.104	15.58	30	Pass
149	5745	26.07	26.39	840.088	29.24	30	Pass
157	5785	25.78	26.75	851.594	29.30	30	Pass
165	5825	25.92	26.25	812.537	29.10	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 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.15 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.07 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	22.61	22.54	361.863	25.59	30	Pass
40	5200	26.27	25.88	810.901	29.09	30	Pass
48	5240	26.11	25.92	799.16	29.03	30	Pass
52	5260	20.66	19.83	212.574	23.28	24	Pass
60	5300	20.35	20.11	210.958	23.24	24	Pass
64	5320	20.59	19.78	209.612	23.21	24	Pass
100	5500	20.18	19.87	201.283	23.04	24	Pass
116	5580	20.62	20.18	219.577	23.42	24	Pass
140	5700	19.61	19.58	182.193	22.61	24	Pass
*144 (U-NII-2C)	5720	18.87	18.82	153.298	21.86	23.18	Pass
*144 (U-NII-3)	5720	13.93	13.83	48.872	16.89	30	Pass
149	5745	26.09	26.19	822.354	29.15	30	Pass
157	5785	25.95	26.58	848.538	29.29	30	Pass
165	5825	25.75	26.36	808.351	29.08	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 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.15 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.07 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	19.57	19.48	179.289	22.54	30	Pass
46	5230	24.95	24.25	578.68	27.62	30	Pass
54	5270	20.67	20.17	220.673	23.44	24	Pass
62	5310	20.25	19.78	200.986	23.03	24	Pass
102	5510	19.45	18.55	159.719	22.03	24	Pass
110	5550	20.58	19.89	211.787	23.26	24	Pass
134	5670	19.97	19.12	180.97	22.58	24	Pass
*142 (U-NII-2C)	5710	19.21	18.83	159.752	22.03	24	Pass
*142 (U-NII-3)	5710	9.83	9.90	19.388	12.88	30	Pass
151	5755	24.36	23.62	503.042	27.02	30	Pass
159	5795	26.15	26.22	830.891	29.20	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 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.15 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.07 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	19.61	19.16	173.825	22.40	30	Pass
58	5290	20.27	20.23	211.853	23.26	24	Pass
106	5530	20.44	19.35	196.762	22.94	24	Pass
122	5610	20.42	20.12	212.956	23.28	24	Pass
*138 (U-NII-2C)	5690	19.54	19.06	170.488	22.32	24	Pass
*138 (U-NII-3)	5690	7.26	6.41	9.696	9.87	30	Pass
155	5775	21.92	22.35	327.387	25.15	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.15 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.07 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	17.53	18.01	119.865	20.79	30	Pass
*50 (U-NII-2A)	5250	17.39	17.86	115.922	20.64	24	Pass
114	5570	20.31	20.45	218.316	23.39	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 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.04 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.15 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	22.61	22.54	361.863	25.59	29.79	Pass
40	5200	26.27	25.88	810.901	29.09	29.79	Pass
48	5240	26.11	25.92	799.16	29.03	29.79	Pass
52	5260	20.66	19.83	212.574	23.28	23.82	Pass
60	5300	20.35	20.11	210.958	23.24	23.82	Pass
64	5320	20.59	19.78	209.612	23.21	23.82	Pass
100	5500	20.18	19.87	201.283	23.04	23.54	Pass
116	5580	20.62	20.18	219.577	23.42	23.54	Pass
140	5700	19.61	19.58	182.193	22.61	23.54	Pass
*144 (U-NII-2C)	5720	18.87	18.82	153.298	21.86	22.72	Pass
*144 (U-NII-3)	5720	13.93	13.83	48.872	16.89	29.63	Pass
149	5745	26.09	26.19	822.354	29.15	29.63	Pass
157	5785	25.95	26.58	848.538	29.29	29.63	Pass
165	5825	25.75	26.36	808.351	29.08	29.63	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.21 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.21-6) = 29.79 dBm.
- For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.18-6)].
- For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.46-6)].
- For U-NII-3, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.37-6) = 29.63 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	19.57	19.48	179.289	22.54	29.79	Pass
46	5230	24.95	24.25	578.68	27.62	29.79	Pass
54	5270	20.67	20.17	220.673	23.44	23.82	Pass
62	5310	20.25	19.78	200.986	23.03	23.82	Pass
102	5510	19.45	18.55	159.719	22.03	23.54	Pass
110	5550	20.58	19.89	211.787	23.26	23.54	Pass
134	5670	19.97	19.12	180.97	22.58	23.54	Pass
*142 (U-NII-2C)	5710	19.21	18.83	159.752	22.03	23.54	Pass
*142 (U-NII-3)	5710	9.83	9.90	19.388	12.88	29.63	Pass
151	5755	24.36	23.62	503.042	27.02	29.63	Pass
159	5795	26.15	26.22	830.891	29.20	29.63	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.21 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.21 - 6) = 29.79$ dBm.
- For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.18 - 6)].
- For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.46 - 6)].
- For U-NII-3, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.37 - 6) = 29.63$ 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	19.61	19.16	173.825	22.40	29.79	Pass
58	5290	20.27	20.23	211.853	23.26	23.82	Pass
106	5530	20.44	19.35	196.762	22.94	23.54	Pass
122	5610	20.42	20.12	212.956	23.28	23.54	Pass
*138 (U-NII-2C)	5690	19.54	19.06	170.488	22.32	23.54	Pass
*138 (U-NII-3)	5690	7.26	6.41	9.696	9.87	29.63	Pass
155	5775	21.92	22.35	327.387	25.15	29.63	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.21 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.21-6) = 29.79$ dBm.
- For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.18-6)].
- For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.46-6)].
- For U-NII-3, the directional gain is 6.37 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.37-6) = 29.63$ dBm.

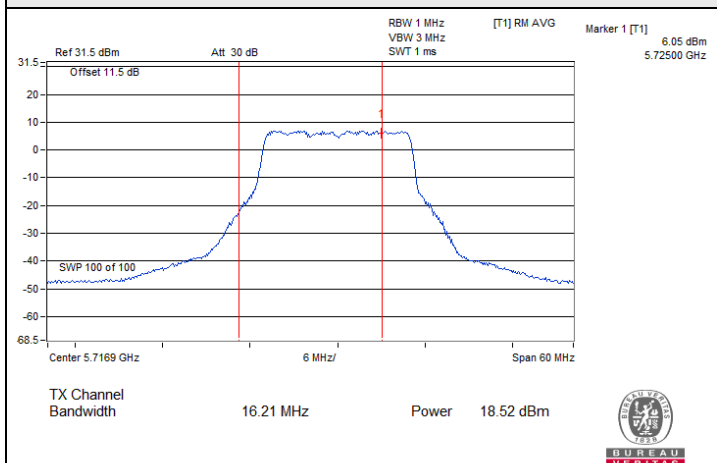
802.11be (EHT160) Beamforming

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	17.53	18.01	119.865	20.79	29.79	Pass
*50 (U-NII-2A)	5250	17.39	17.86	115.922	20.64	23.82	Pass
114	5570	20.31	20.45	218.316	23.39	23.54	Pass

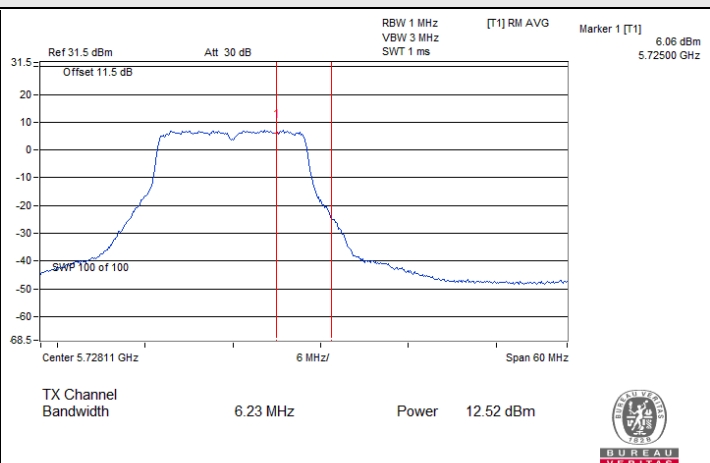
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.21 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.21-6) = 29.79$ dBm.
- For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.18-6)].
- For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.46-6)].

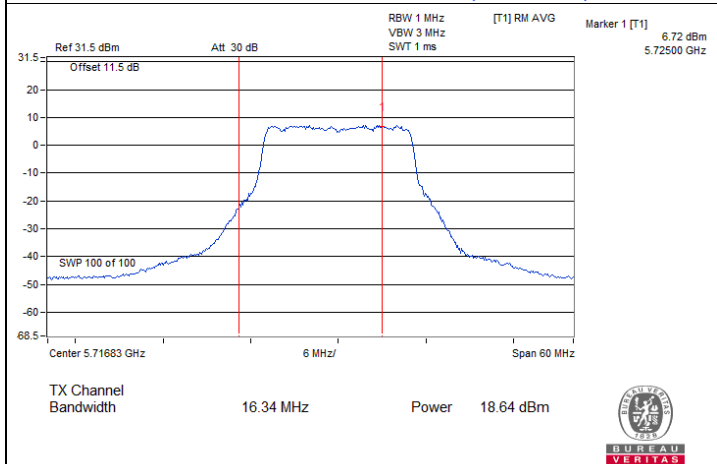
Spectrum Plot for channel straddling



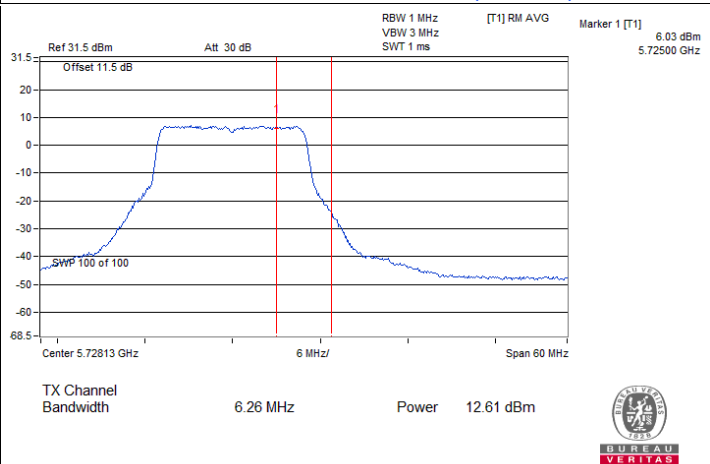
802.11a / Chain 0 : CH 144 (U-NII-2C)



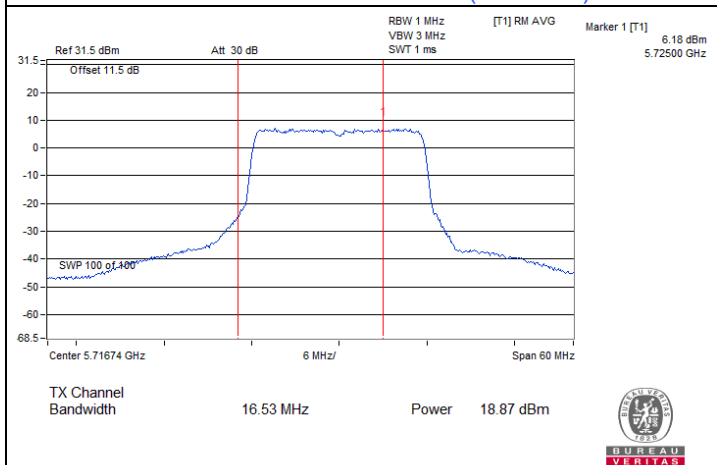
802.11a / Chain 0 : CH 144 (U-NII-3)



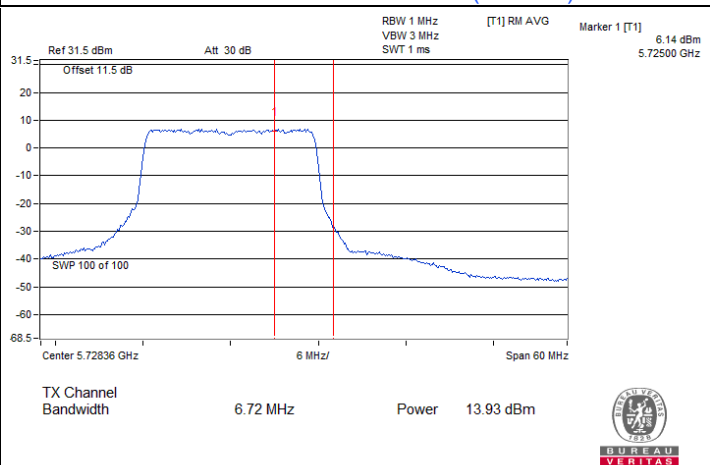
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

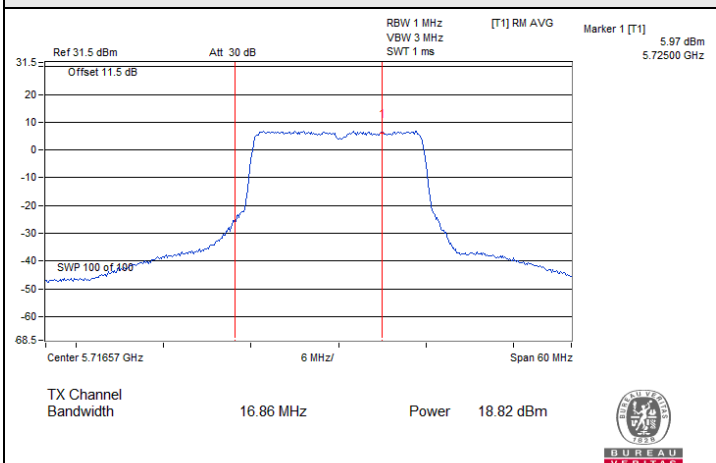


802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)

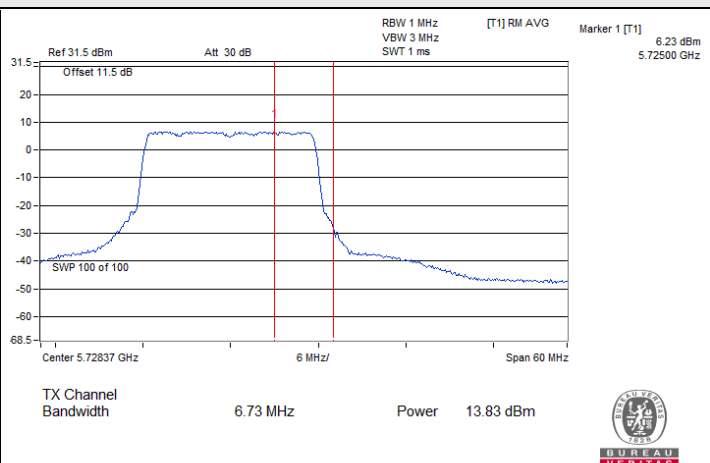


802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)

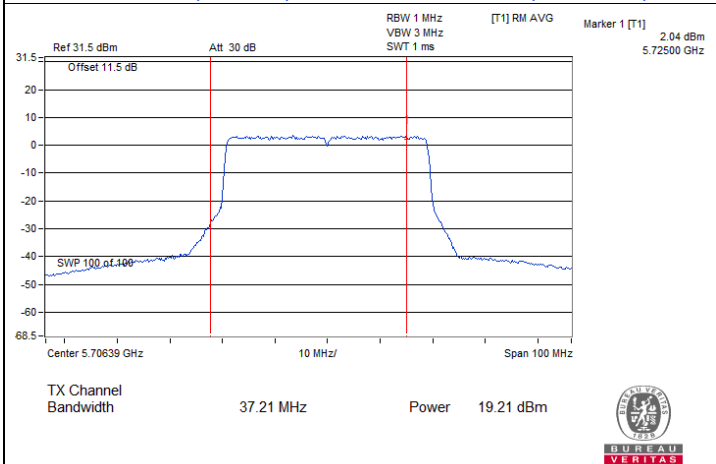
Spectrum Plot for channel straddling



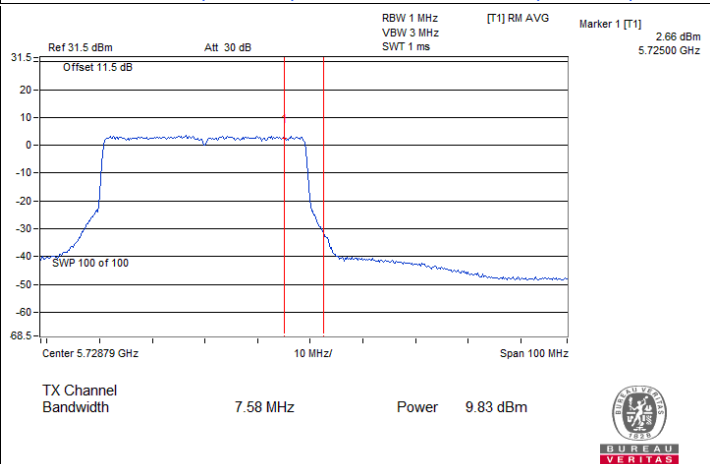
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



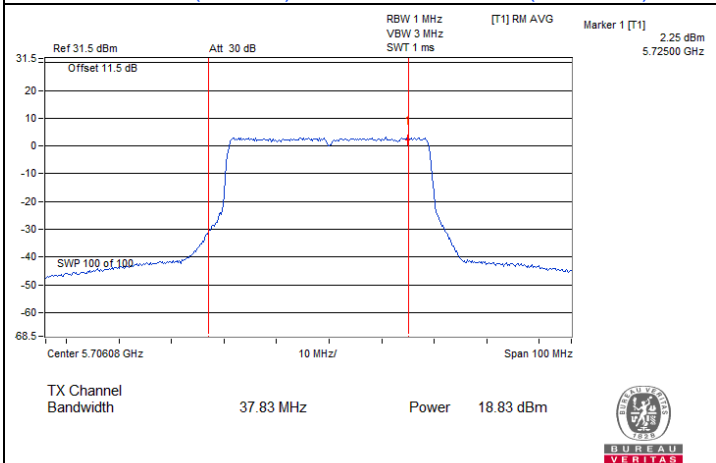
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



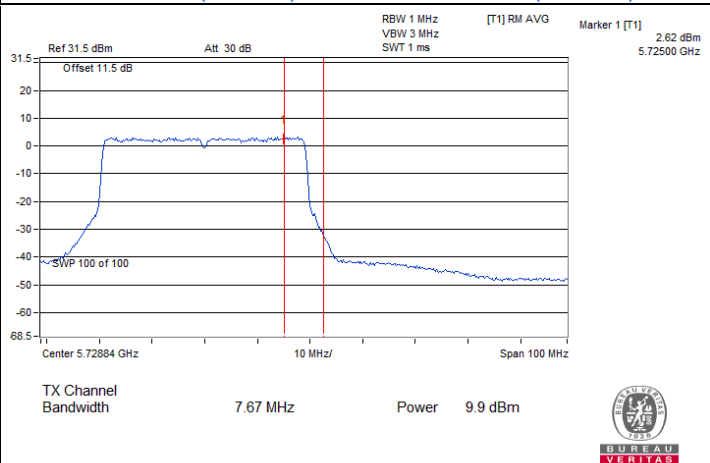
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



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

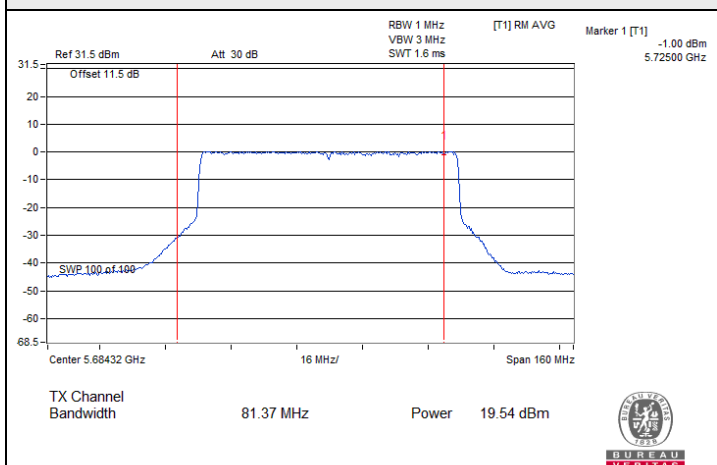


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)

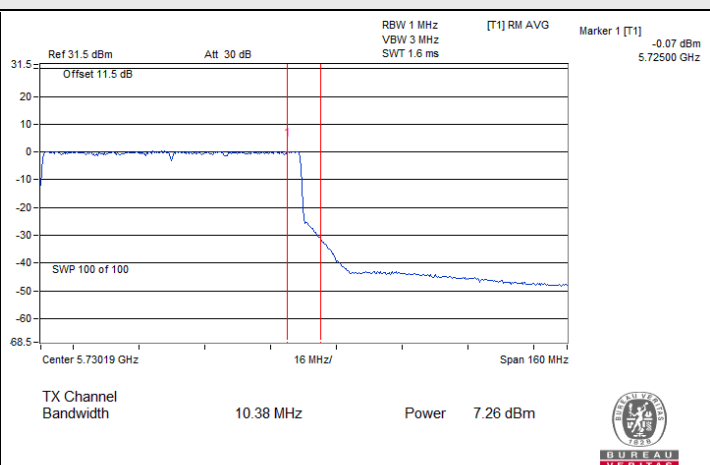


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)

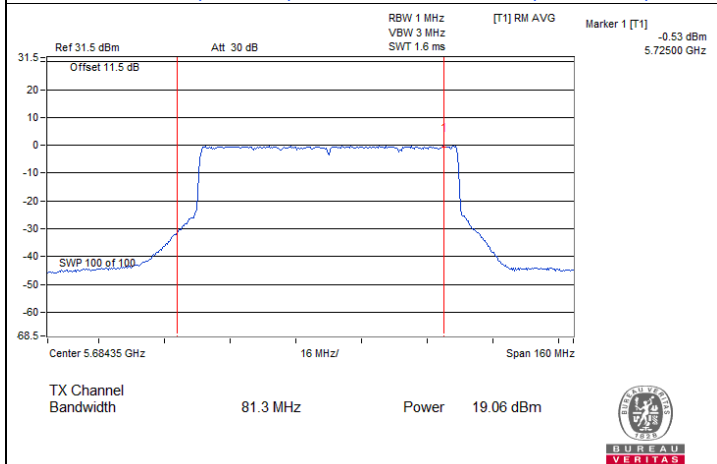
Spectrum Plot for channel straddling



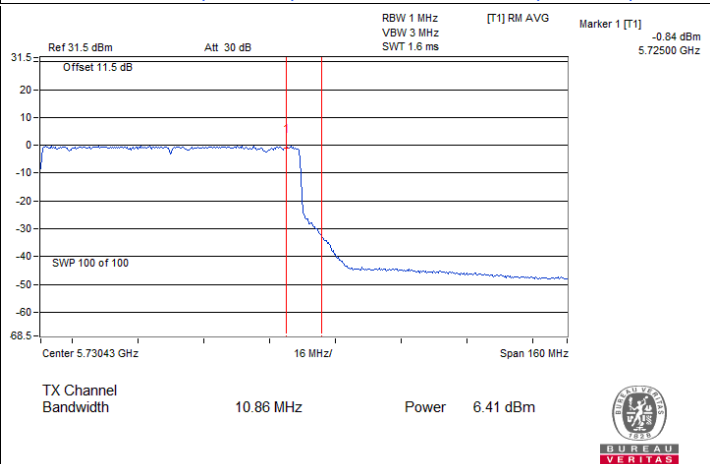
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



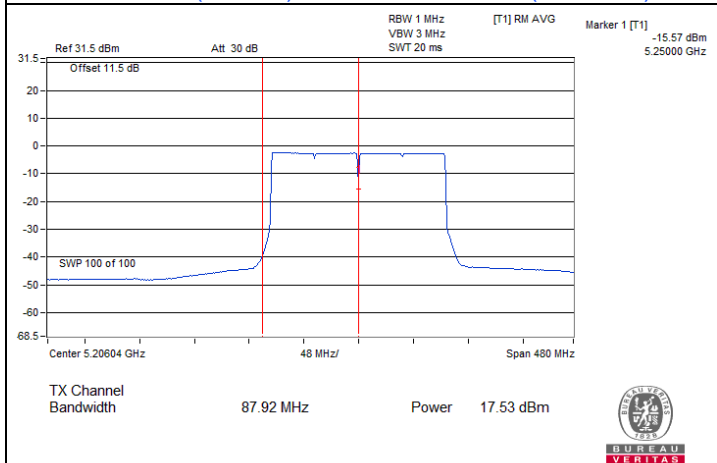
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



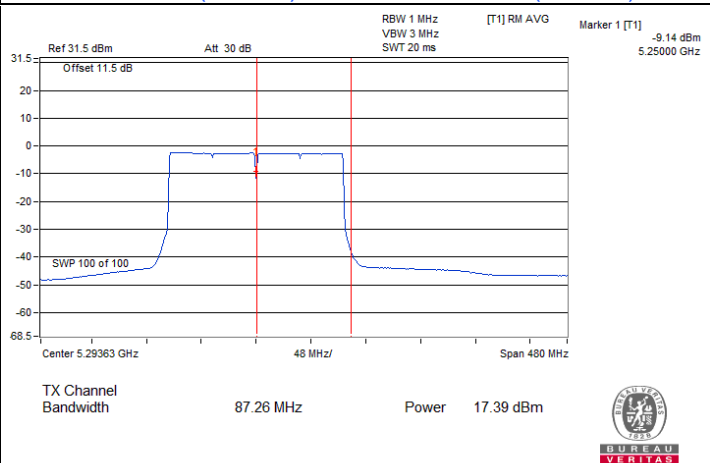
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



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

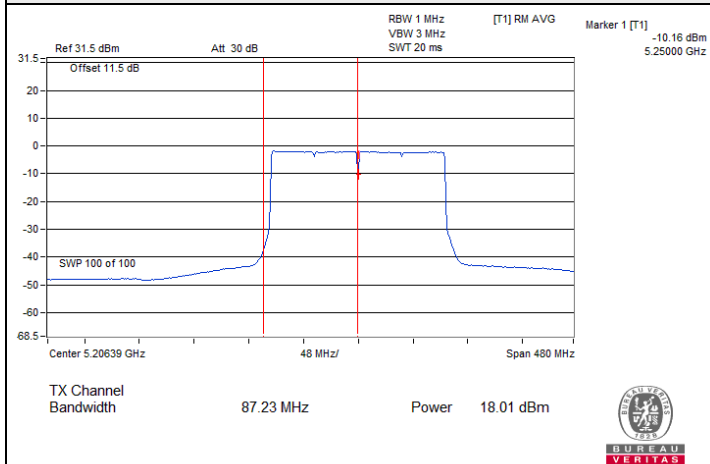


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)

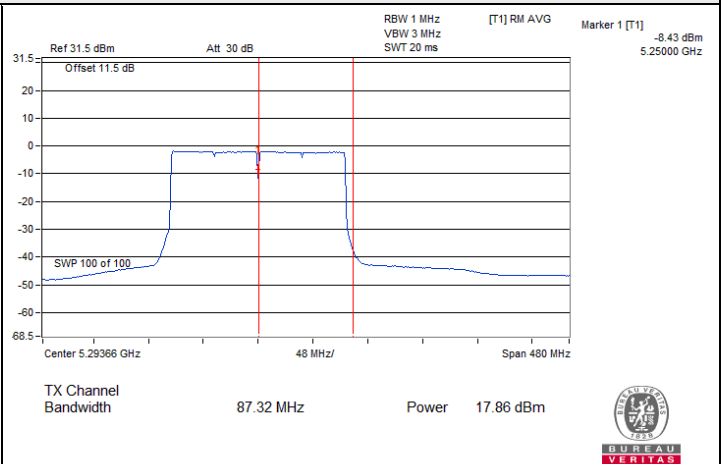


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-2A)

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)

7.3 Power Spectral Density

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

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	9.23	9.71	12.49	16.79	Pass
40	5200	13.24	11.62	15.52	16.79	Pass
48	5240	12.60	12.35	15.49	16.79	Pass
52	5260	6.63	6.78	9.72	10.82	Pass
60	5300	7.04	6.39	9.74	10.82	Pass
64	5320	7.08	6.29	9.71	10.82	Pass
100	5500	6.76	6.62	9.70	10.54	Pass
116	5580	6.98	6.43	9.72	10.54	Pass
140	5700	6.31	5.42	8.90	10.54	Pass
144 (U-NII-2C)	5720	6.77	6.74	9.77	10.54	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 6.21 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.21-6) = 16.79$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.18-6) = 10.82$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.46-6) = 10.54$ 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	9.11	9.05	12.09	16.79	Pass
40	5200	12.63	12.36	15.51	16.79	Pass
48	5240	12.51	12.39	15.46	16.79	Pass
52	5260	7.21	6.38	9.83	10.82	Pass
60	5300	6.82	6.53	9.69	10.82	Pass
64	5320	7.01	6.17	9.62	10.82	Pass
100	5500	6.67	6.28	9.49	10.54	Pass
116	5580	7.15	6.56	9.88	10.54	Pass
140	5700	6.08	6.03	9.07	10.54	Pass
144 (U-NII-2C)	5720	7.30	7.22	10.27	10.54	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 6.21 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.21-6) = 16.79$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.18-6) = 10.82$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.46-6) = 10.54$ 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	3.10	2.89	6.01	16.79	Pass
46	5230	8.41	7.68	11.07	16.79	Pass
54	5270	4.12	3.58	6.87	10.82	Pass
62	5310	3.74	3.24	6.51	10.82	Pass
102	5510	2.94	1.99	5.50	10.54	Pass
110	5550	4.08	3.28	6.71	10.54	Pass
134	5670	3.37	2.69	6.05	10.54	Pass
142 (U-NII-2C)	5710	4.02	3.19	6.64	10.54	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.21 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.21-6) = 16.79$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.18-6) = 10.82$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.46-6) = 10.54$ 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	0.14	-0.31	2.93	16.79	Pass
58	5290	0.68	0.74	3.72	10.82	Pass
106	5530	0.95	-0.20	3.42	10.54	Pass
122	5610	0.87	0.63	3.76	10.54	Pass
138 (U-NII-2C)	5690	0.83	0.55	3.70	10.54	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.21 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.21-6) = 16.79$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.18-6) = 10.82$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.46-6) = 10.54$ 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	-1.83	-1.63	1.28	16.79	Pass
50 (U-NII-2A)	5250	-2.16	-1.92	0.97	10.82	Pass
114	5570	-1.66	-1.69	1.34	10.54	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 6.21 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.21-6) = 16.79$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.18-6) = 10.82$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.46 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.46-6) = 10.54$ 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	-1.10	-1.24	1.84	4.06	29.63	Pass
149	5745	3.86	4.85	7.39	9.61	29.63	Pass
157	5785	5.04	5.22	8.14	10.36	29.63	Pass
165	5825	4.13	4.16	7.16	9.38	29.63	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.37 - 6) = 29.63$ dBm/500kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-2.04	-2.12	0.93	3.15	29.63	Pass
149	5745	2.35	3.29	5.86	8.08	29.63	Pass
157	5785	3.59	3.47	6.54	8.76	29.63	Pass
165	5825	2.54	2.54	5.55	7.77	29.63	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.37 - 6) = 29.63$ 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	-5.38	-5.91	-2.63	-0.41	29.63	Pass
151	5755	-1.99	-2.30	0.87	3.09	29.63	Pass
159	5795	0.17	0.11	3.15	5.37	29.63	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.37-6) = 29.63$ dBm/500kHz.

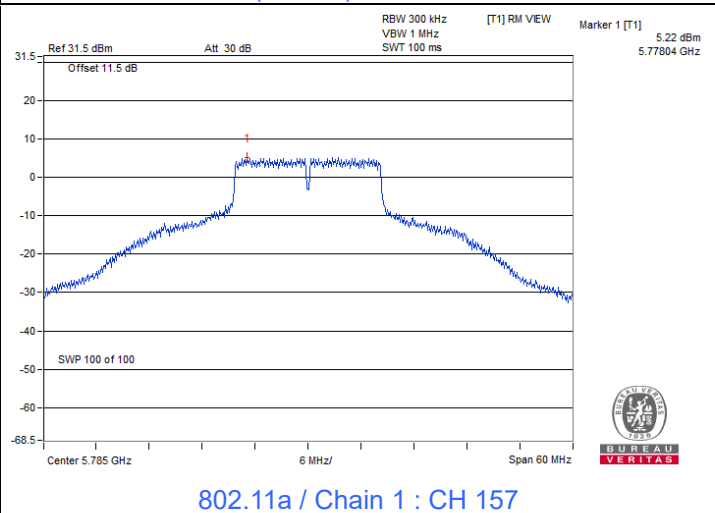
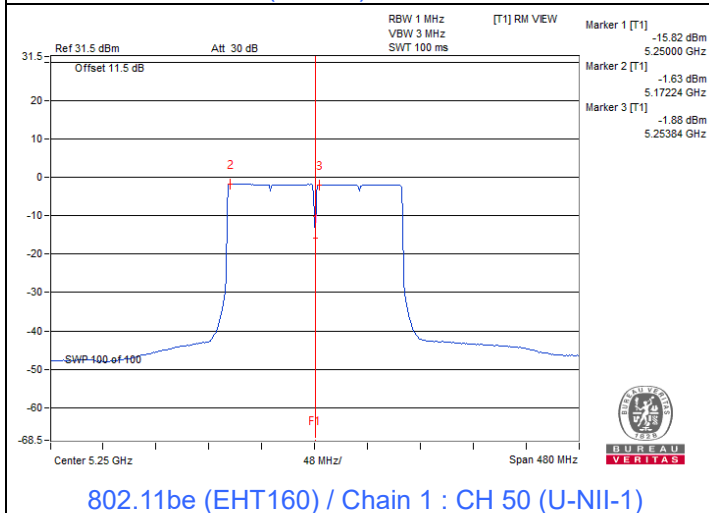
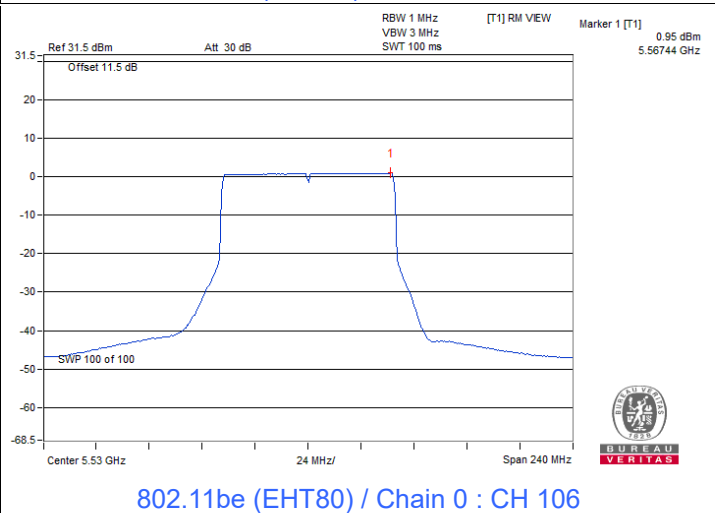
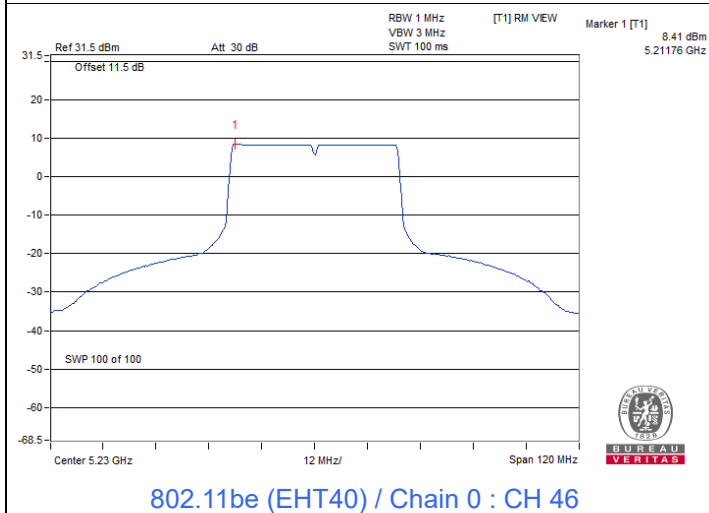
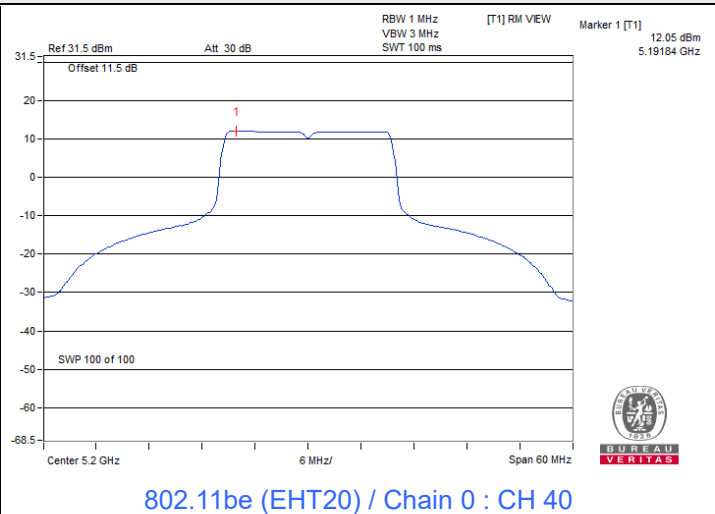
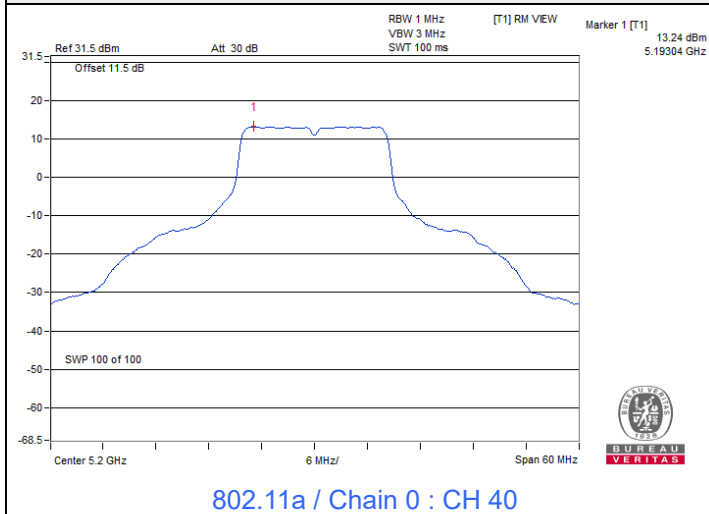
802.11be (EHT80)

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	-8.94	-9.43	-6.17	-3.95	29.63	Pass
155	5775	-6.81	-6.29	-3.53	-1.31	29.63	Pass

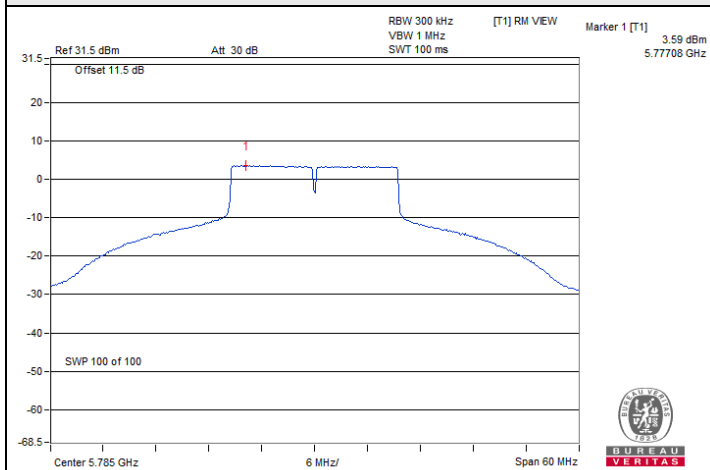
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 6.37 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.37-6) = 29.63$ dBm/500kHz.

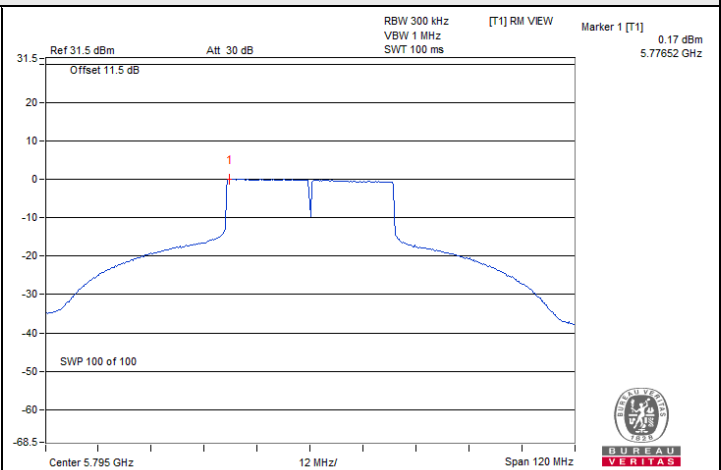
Spectrum Plot of Maximum Value



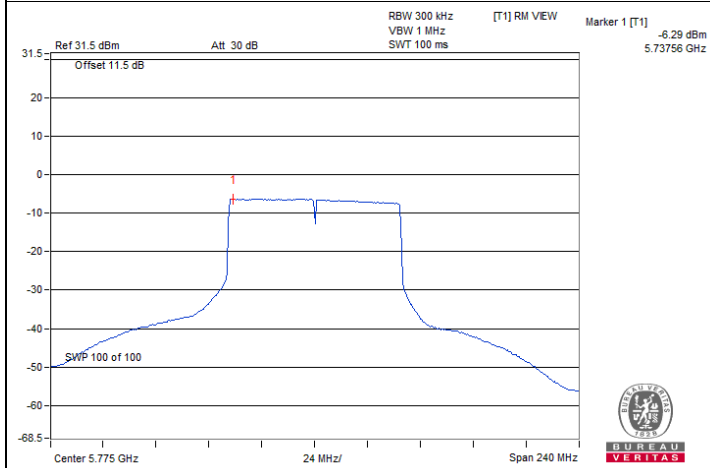
Spectrum Plot of Maximum Value



802.11be (EHT20) / Chain 0 : CH 157



802.11be (EHT40) / Chain 0 : CH 159



802.11be (EHT80) / Chain 1 : CH 155

7.4 6 dB Bandwidth

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

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.16	3.16	0.5	Pass
149	5745	16.36	16.36	0.5	Pass
157	5785	16.35	16.35	0.5	Pass
165	5825	16.37	16.36	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.48	4.51	0.5	Pass
149	5745	18.95	18.99	0.5	Pass
157	5785	18.87	18.95	0.5	Pass
165	5825	19.04	18.95	0.5	Pass

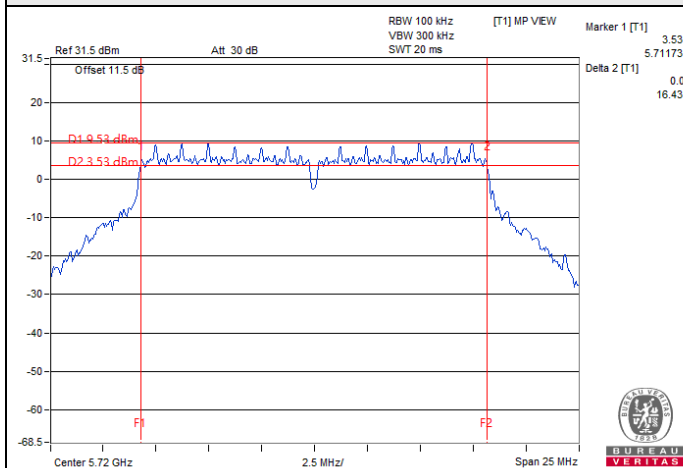
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	4.08	4.01	0.5	Pass
151	5755	38.23	38.29	0.5	Pass
159	5795	38.16	38.36	0.5	Pass

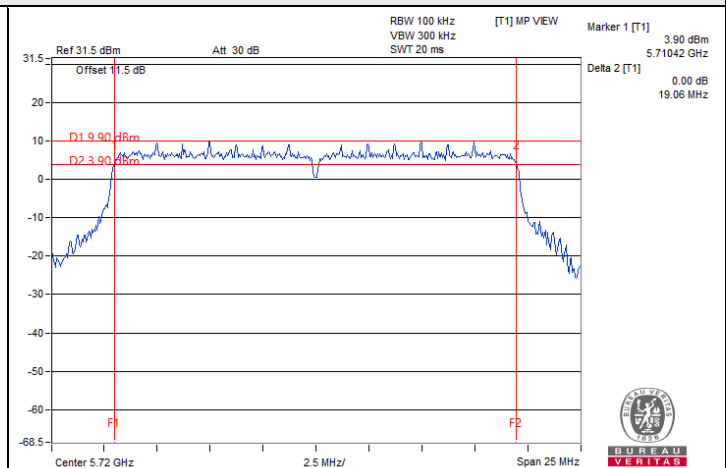
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	4.12	4.15	0.5	Pass
155	5775	78.19	78.28	0.5	Pass

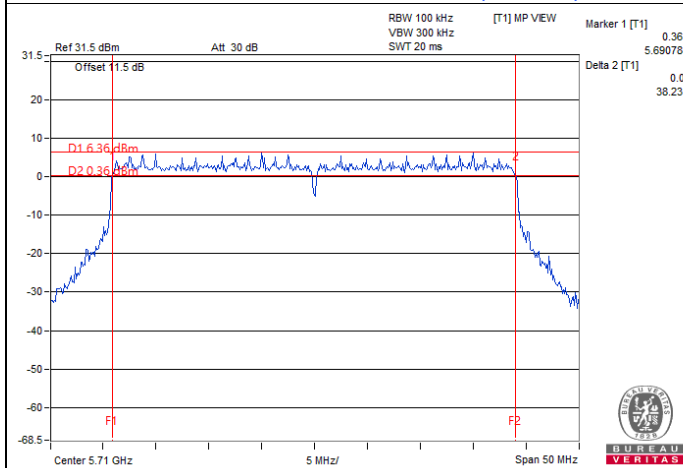
Spectrum Plot of Minimum Value



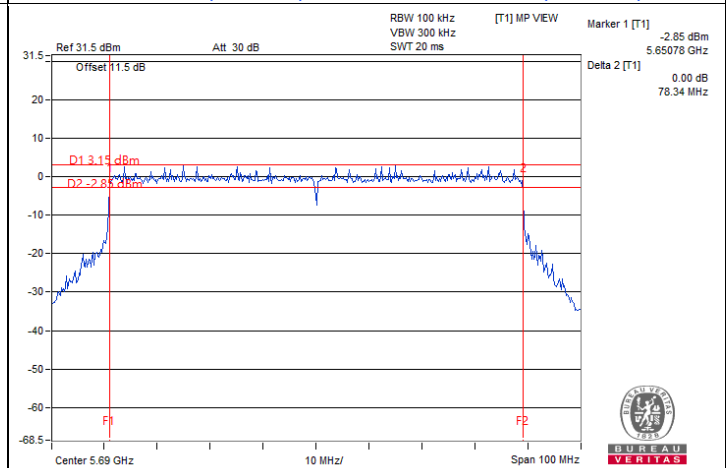
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.04	17.04
40	5200	18.36	18.24
48	5240	17.76	17.76
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	13.52	13.64
144 (U-NII-3)	5720	3.40	3.40
149	5745	24.06	31.10
157	5785	34.00	34.50
165	5825	33.30	32.90

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.32	19.20
40	5200	19.68	19.80
48	5240	19.56	19.44
52	5260	19.20	19.20
60	5300	19.20	19.20
64	5320	19.20	19.32
100	5500	19.20	19.20
116	5580	19.08	19.20
140	5700	19.08	19.20
144 (U-NII-2C)	5720	14.72	14.72
144 (U-NII-3)	5720	4.48	4.48
149	5745	24.84	34.60
157	5785	38.80	37.30
165	5825	36.80	36.50

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	38.64	38.64
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	38.52	38.64
134	5670	38.64	38.64
142 (U-NII-2C)	5710	34.44	34.44
142 (U-NII-3)	5710	4.20	4.20
151	5755	38.88	38.88
159	5795	66.36	64.68

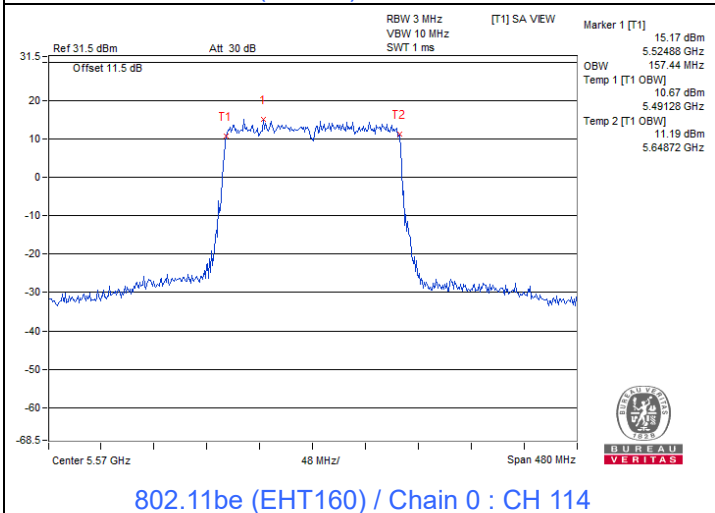
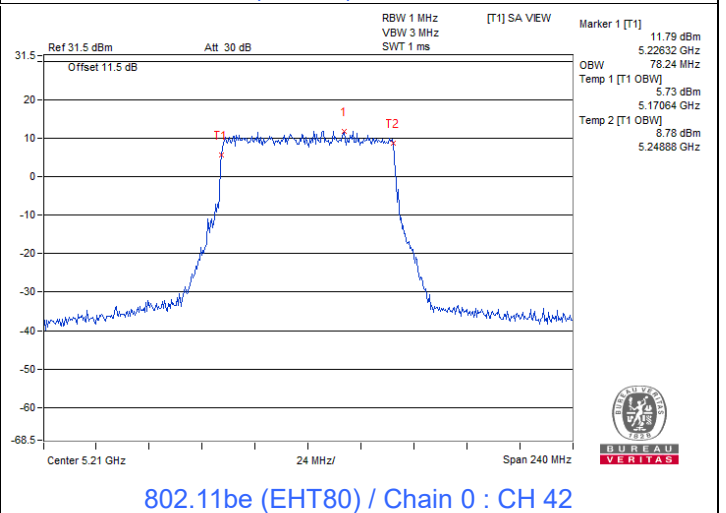
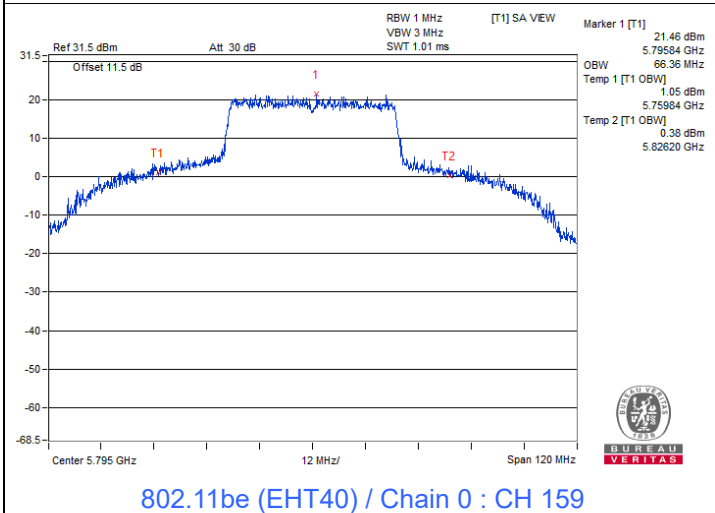
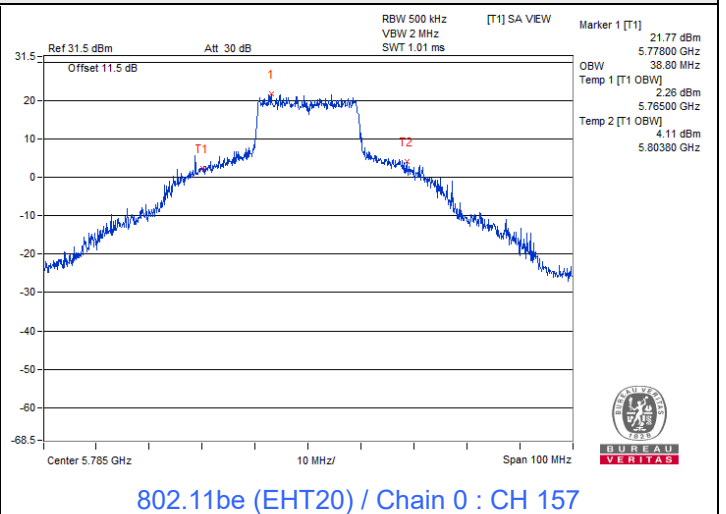
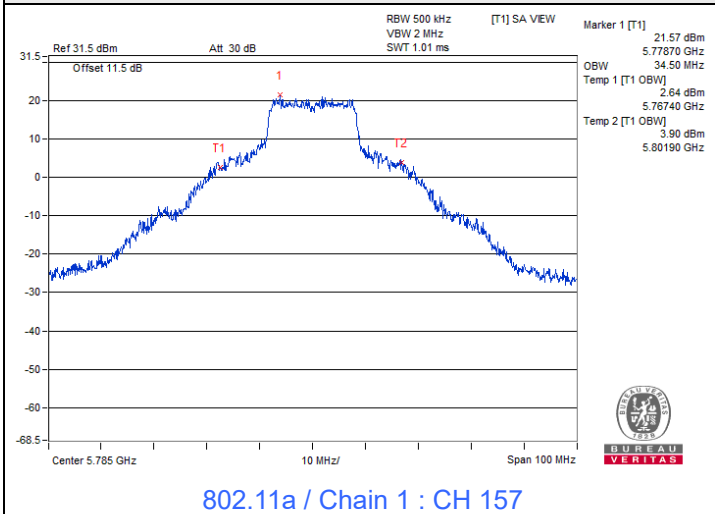
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	78.24	78.24
58	5290	78.24	78.24
106	5530	78.00	77.76
122	5610	78.24	78.24
138 (U-NII-2C)	5690	74.36	74.36
138 (U-NII-3)	5690	3.88	3.88
155	5775	77.76	77.76

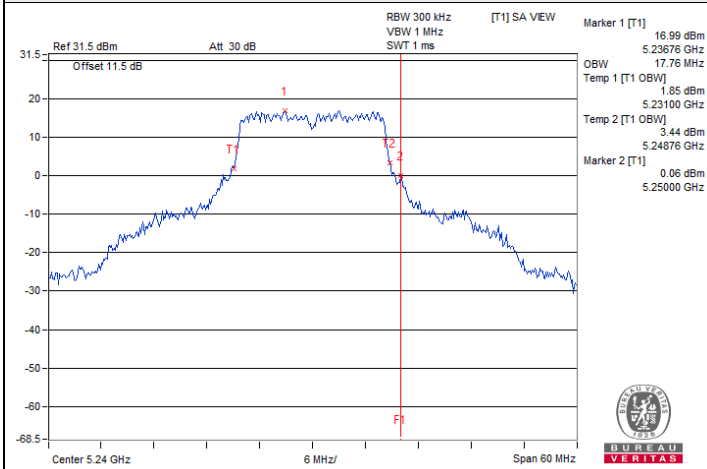
802.11be (EHT160)

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	157.44	156.48

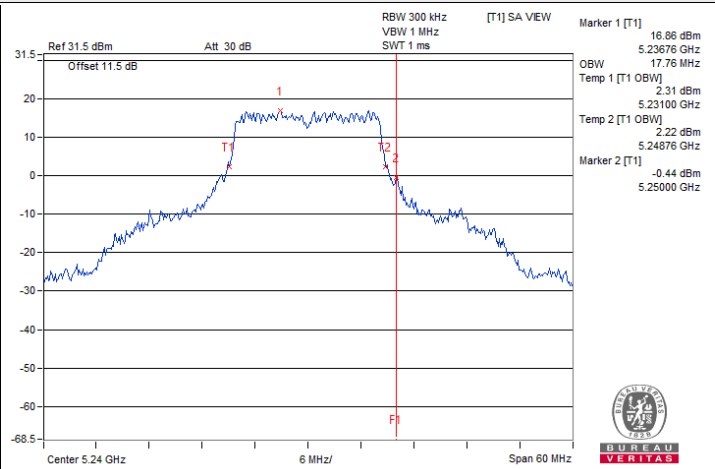
Spectrum Plot of Maximum Value



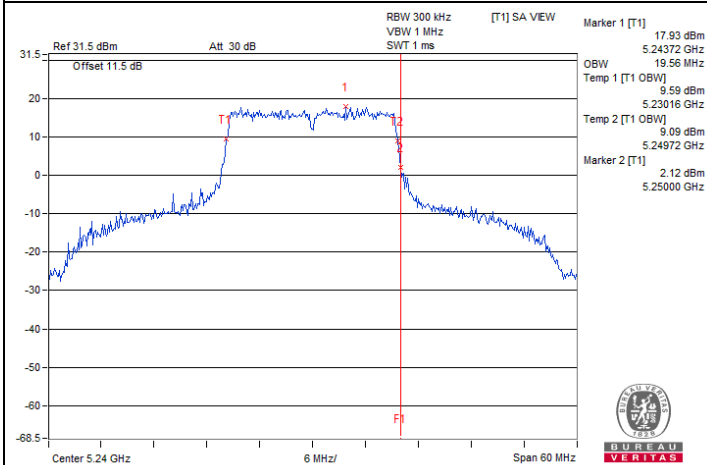
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



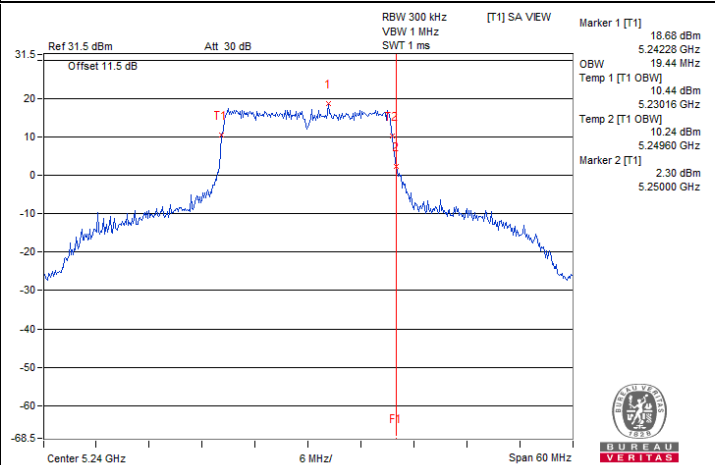
802.11a / Chain 0 : CH 48



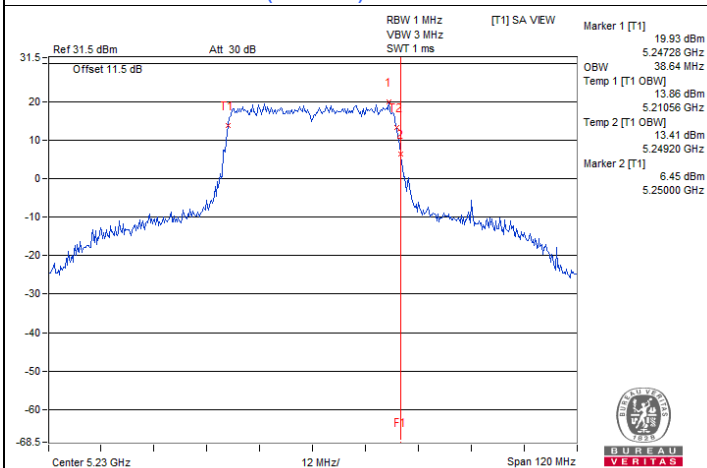
802.11a / Chain 1 : CH 48



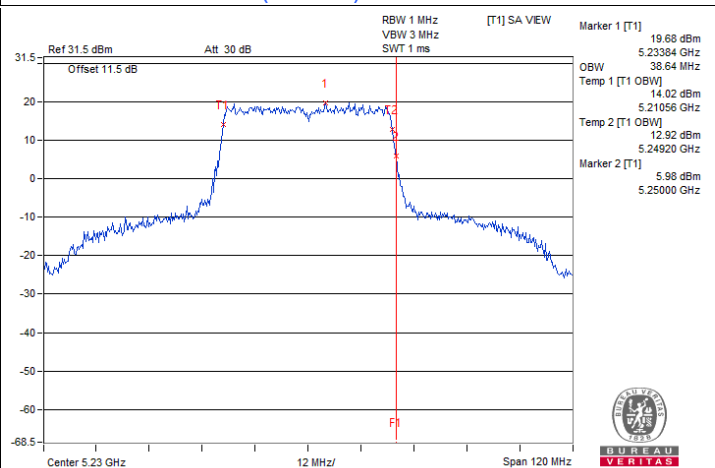
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT20) / Chain 1 : CH 48

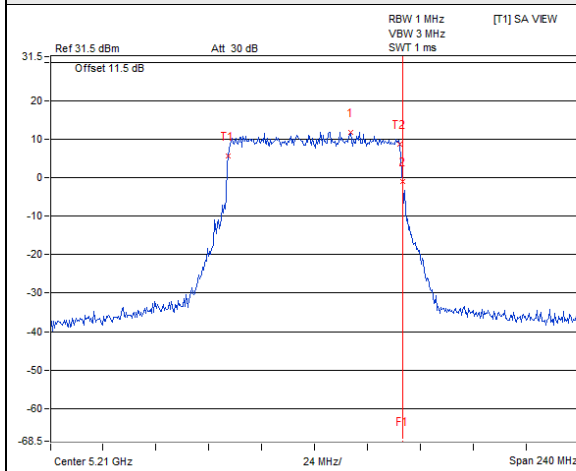


802.11be (EHT40) / Chain 0 : CH 46

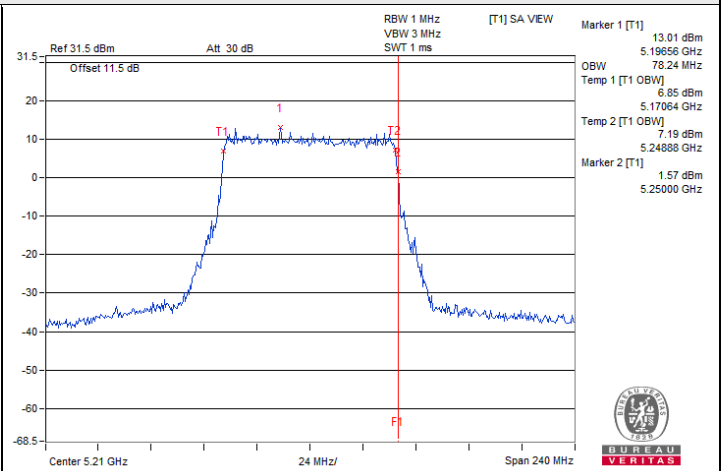


802.11be (EHT40) / Chain 1 : CH 46

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

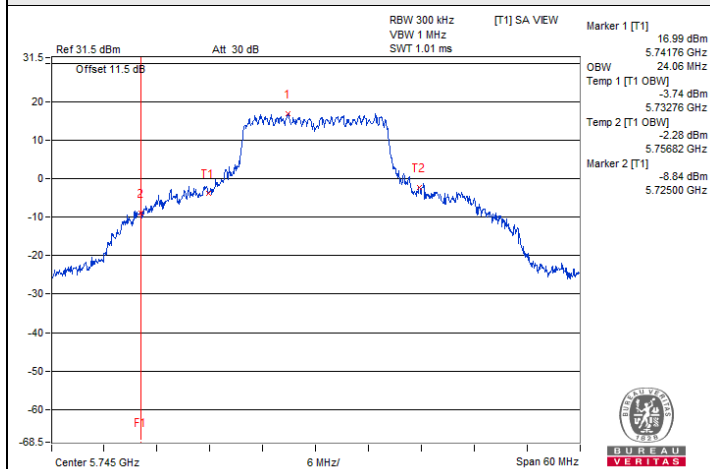


802.11be (EHT80) / Chain 0 : CH 42

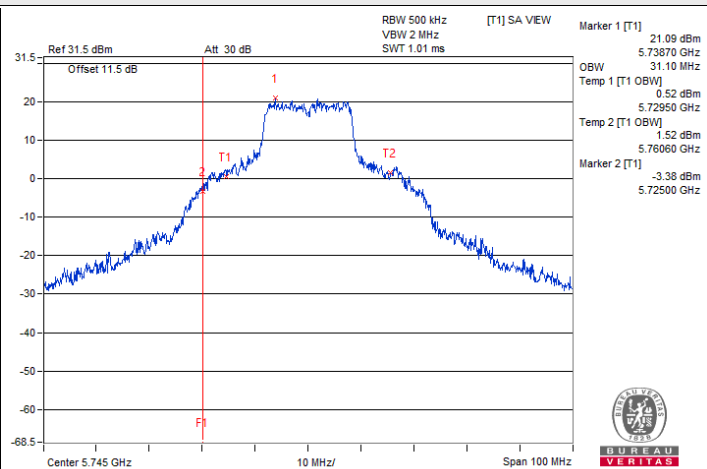


802.11be (EHT80) / Chain 1 : CH 42

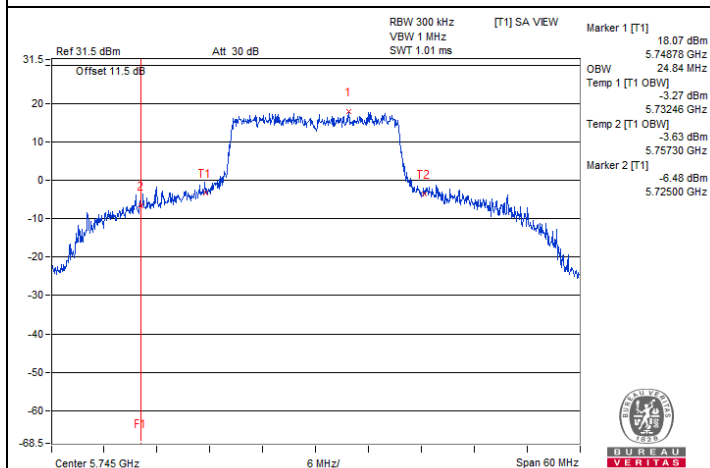
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



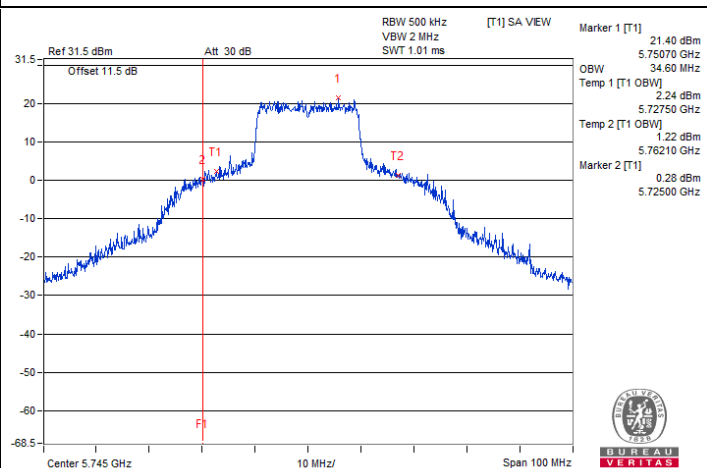
802.11a / Chain 0 : CH 149



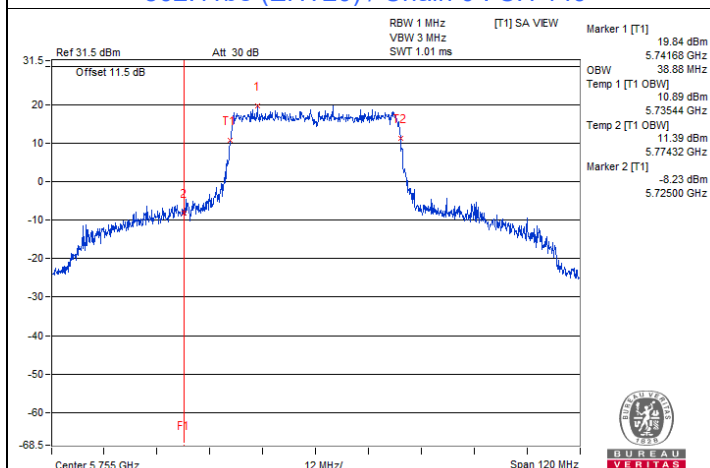
802.11a / Chain 1 : CH 149



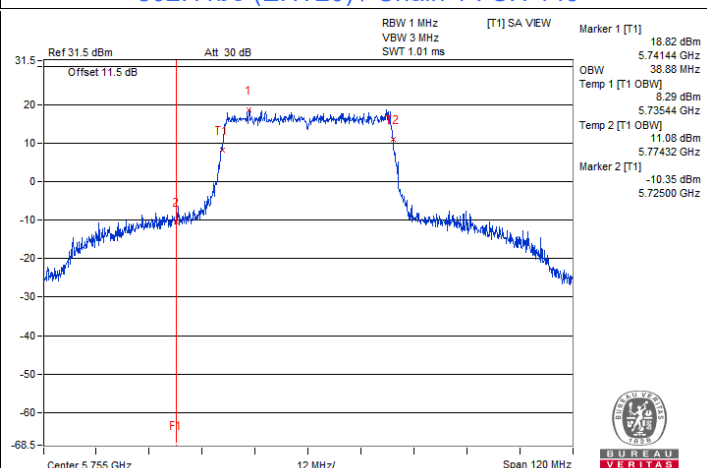
802.11be (EHT20) / Chain 0 : CH 149



802.11be (EHT20) / Chain 1 : CH 149

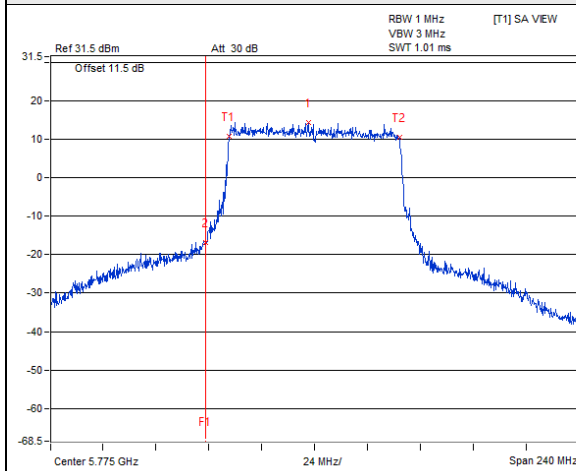


802.11be (EHT40) / Chain 0 : CH 151

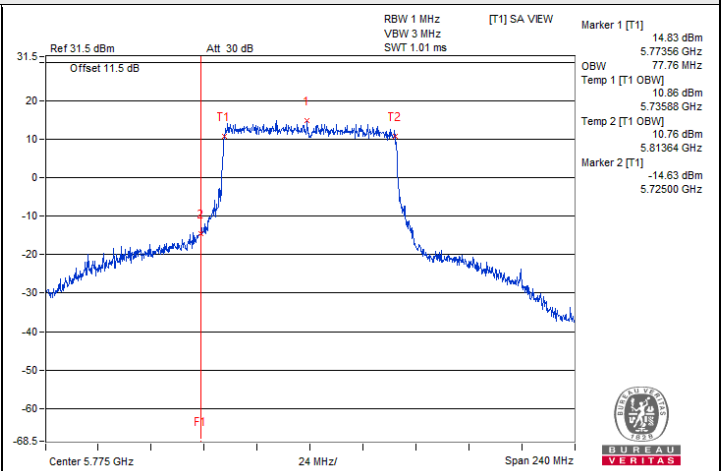


802.11be (EHT40) / Chain 1 : CH 151

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



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang
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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
40	120	5179.992	Pass	5179.9908	Pass	5179.9929	Pass	5179.9919	Pass
30	120	5179.9784	Pass	5179.9794	Pass	5179.9777	Pass	5179.9777	Pass
20	120	5180.0259	Pass	5180.0234	Pass	5180.0257	Pass	5180.0269	Pass
10	120	5179.9854	Pass	5179.982	Pass	5179.9857	Pass	5179.9861	Pass
0	120	5179.9972	Pass	5179.9969	Pass	5179.9963	Pass	5179.9995	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	5180.0265	Pass	5180.0287	Pass	5180.0311	Pass	5180.0265	Pass
	120	5180.0259	Pass	5180.0234	Pass	5180.0257	Pass	5180.0269	Pass
	102	5180.0143	Pass	5180.0146	Pass	5180.0161	Pass	5180.0182	Pass

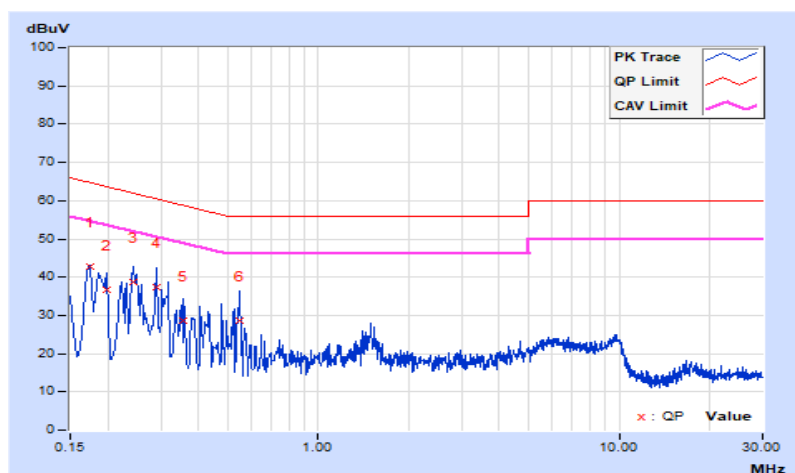
7.7 AC Power Conducted Emissions

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, 68% 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	0.17400	9.67	33.11	22.23	42.78	31.90	64.77	54.77	-21.99	-22.87
2	0.19800	9.66	27.00	11.92	36.66	21.58	63.69	53.69	-27.03	-32.11
3	0.24200	9.67	28.93	18.03	38.60	27.70	62.03	52.03	-23.43	-24.33
4	0.29000	9.67	27.56	16.05	37.23	25.72	60.52	50.52	-23.29	-24.80
5	0.35800	9.68	19.08	8.70	28.76	18.38	58.77	48.77	-30.01	-30.39
6	0.54600	9.70	18.89	6.91	28.59	16.61	56.00	46.00	-27.41	-29.39

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

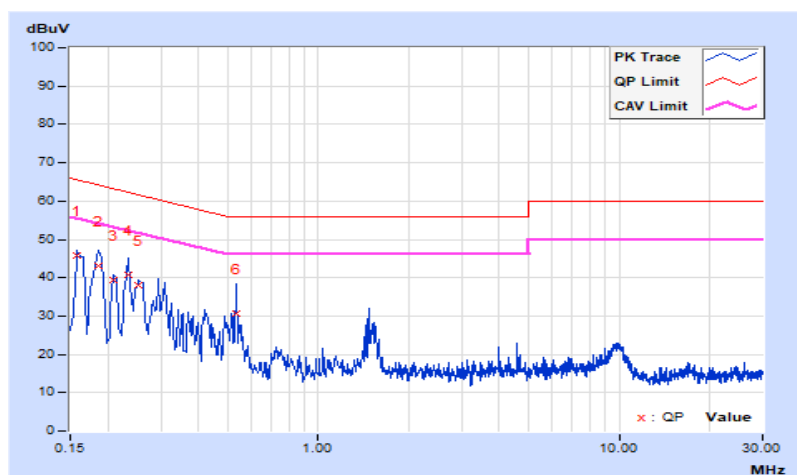


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

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	0.15800	9.64	36.31	22.15	45.95	31.79	65.57	55.57	-19.62	-23.78
2	0.18600	9.65	33.30	23.28	42.95	32.93	64.21	54.21	-21.26	-21.28
3	0.21000	9.65	29.74	15.49	39.39	25.14	63.21	53.21	-23.82	-28.07
4	0.23400	9.66	30.94	20.61	40.60	30.27	62.31	52.31	-21.71	-22.04
5	0.25400	9.67	28.38	18.50	38.05	28.17	61.63	51.63	-23.58	-23.46
6	0.53400	9.72	20.86	6.97	30.58	16.69	56.00	46.00	-25.42	-29.31

Remarks:

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



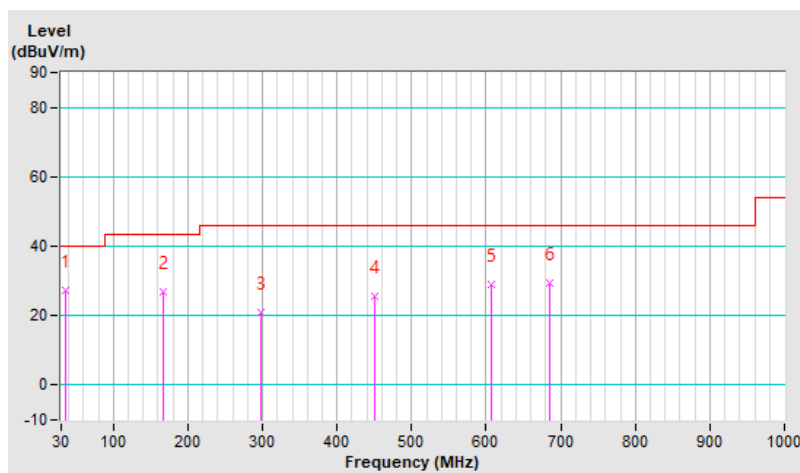
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.79	27.1 QP	40.0	-12.9	1.49 H	75	36.8	-9.7
2	166.77	27.0 QP	43.5	-16.5	1.49 H	36	35.7	-8.7
3	298.69	21.1 QP	46.0	-24.9	1.00 H	281	28.6	-7.5
4	450.01	25.5 QP	46.0	-20.5	1.49 H	18	30.2	-4.7
5	607.15	29.0 QP	46.0	-17.0	1.49 H	311	30.0	-1.0
6	685.72	29.3 QP	46.0	-16.7	1.00 H	202	29.4	-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.

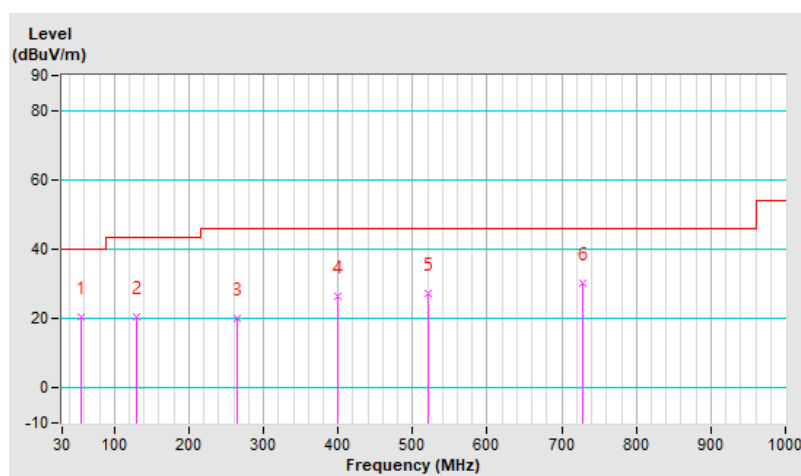


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	55.22	20.5 QP	40.0	-19.5	1.49 V	63	29.2	-8.7
2	128.94	20.5 QP	43.5	-23.0	1.49 V	261	30.7	-10.2
3	264.74	20.0 QP	46.0	-26.0	1.49 V	284	28.6	-8.6
4	400.54	26.4 QP	46.0	-19.6	1.00 V	283	32.2	-5.8
5	521.79	27.5 QP	46.0	-18.5	1.49 V	71	31.0	-3.5
6	727.43	30.2 QP	46.0	-15.8	1.49 V	18	29.2	1.0

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 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	68.3 PK	74.0	-5.7	1.37 H	348	55.6	12.7
2	5150.00	52.4 AV	54.0	-1.6	1.37 H	348	39.7	12.7
3	*5180.00	119.1 PK			1.37 H	348	76.0	43.1
4	*5180.00	109.3 AV			1.37 H	348	66.2	43.1
5	#10360.00	60.2 PK	68.2	-8.0	1.92 H	228	38.5	21.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.1 PK	74.0	-3.9	1.21 V	14	57.4	12.7
2	5150.00	53.5 AV	54.0	-0.5	1.21 V	14	40.8	12.7
3	*5180.00	119.7 PK			1.21 V	14	76.6	43.1
4	*5180.00	109.9 AV			1.21 V	14	66.8	43.1
5	#10360.00	60.5 PK	68.2	-7.7	1.55 V	269	38.8	21.7

Remarks:

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

RF Mode	802.11a	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	*5200.00	121.2 PK			1.35 H	345	78.2	43.0
2	*5200.00	111.3 AV			1.35 H	345	68.3	43.0
3	#10400.00	60.5 PK	68.2	-7.7	2.33 H	182	38.5	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	122.5 PK			1.28 V	16	79.5	43.0
2	*5200.00	112.6 AV			1.28 V	16	69.6	43.0
3	#10400.00	61.0 PK	88.2	-27.2	1.59 V	275	39.0	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	120.8 PK			1.35 H	344	77.8	43.0
2	*5240.00	111.2 AV			1.35 H	344	68.2	43.0
3	5350.00	60.5 PK	74.0	-13.5	1.35 H	344	47.6	12.9
4	5350.00	47.4 AV	54.0	-6.6	1.35 H	344	34.5	12.9
5	#10480.00	60.3 PK	68.2	-7.9	2.23 H	182	38.4	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	122.9 PK			1.19 V	14	79.9	43.0
2	*5240.00	113.0 AV			1.19 V	14	70.0	43.0
3	5350.00	60.9 PK	74.0	-13.1	1.19 V	14	48.0	12.9
4	5350.00	47.7 AV	54.0	-6.3	1.19 V	14	34.8	12.9
5	#10480.00	60.6 PK	68.2	-7.6	1.52 V	263	38.7	21.9

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 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	65.7 PK	74.0	-8.3	1.36 H	347	53.0	12.7
2	5150.00	53.2 AV	54.0	-0.8	1.36 H	347	40.5	12.7
3	*5180.00	119.7 PK			1.36 H	347	76.6	43.1
4	*5180.00	107.8 AV			1.36 H	347	64.7	43.1
5	#10360.00	60.2 PK	68.2	-8.0	2.20 H	189	38.5	21.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.40 V	13	53.2	12.7
2	5150.00	53.4 AV	54.0	-0.6	1.40 V	13	40.7	12.7
3	*5180.00	120.8 PK			1.40 V	13	77.7	43.1
4	*5180.00	109.1 AV			1.40 V	13	66.0	43.1
5	#10360.00	60.3 PK	68.2	-7.9	1.58 V	272	38.6	21.7

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	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	66.7 PK	74.0	-7.3	1.40 H	344	54.0	12.7
2	5150.00	50.7 AV	54.0	-3.3	1.40 H	344	38.0	12.7
3	*5200.00	124.0 PK			1.40 H	344	81.0	43.0
4	*5200.00	110.9 AV			1.40 H	344	67.9	43.0
5	#10400.00	60.6 PK	68.2	-7.6	2.29 H	189	38.6	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.5 PK	74.0	-3.5	1.19 V	13	57.8	12.7
2	5150.00	53.2 AV	54.0	-0.8	1.19 V	13	40.5	12.7
3	*5200.00	124.6 PK			1.19 V	13	81.6	43.0
4	*5200.00	112.7 AV			1.19 V	13	69.7	43.0
5	#10400.00	60.8 PK	68.2	-7.4	1.58 V	277	38.8	22.0

Remarks:

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

RF Mode	802.11be (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	123.2 PK			1.41 H	338	80.2	43.0
2	*5240.00	110.6 AV			1.41 H	338	67.6	43.0
3	5350.00	60.5 PK	74.0	-13.5	1.41 H	338	47.6	12.9
4	5350.00	47.4 AV	54.0	-6.6	1.41 H	338	34.5	12.9
5	#10480.00	60.4 PK	68.2	-7.8	2.21 H	186	38.5	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	125.5 PK			1.20 V	14	82.5	43.0
2	*5240.00	112.9 AV			1.20 V	14	69.9	43.0
3	5350.00	60.9 PK	74.0	-13.1	1.20 V	14	48.0	12.9
4	5350.00	47.7 AV	54.0	-6.3	1.20 V	14	34.8	12.9
5	#10480.00	60.6 PK	68.2	-7.6	1.63 V	270	38.7	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 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	63.3 PK	74.0	-10.7	1.44 H	346	50.6	12.7
2	5150.00	49.2 AV	54.0	-4.8	1.44 H	346	36.5	12.7
3	*5190.00	114.1 PK			1.44 H	346	71.0	43.1
4	*5190.00	101.7 AV			1.44 H	346	58.6	43.1
5	#10380.00	60.3 PK	68.2	-7.9	2.20 H	189	38.4	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.23 V	12	53.2	12.7
2	5150.00	53.5 AV	54.0	-0.5	1.23 V	12	40.8	12.7
3	*5190.00	116.3 PK			1.23 V	12	73.2	43.1
4	*5190.00	103.2 AV			1.23 V	12	60.1	43.1
5	#10380.00	60.5 PK	68.2	-7.7	1.65 V	269	38.6	21.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 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	63.5 PK	74.0	-10.5	1.42 H	343	50.8	12.7
2	5150.00	49.6 AV	54.0	-4.4	1.42 H	343	36.9	12.7
3	*5230.00	119.8 PK			1.42 H	343	76.8	43.0
4	*5230.00	106.9 AV			1.42 H	343	63.9	43.0
5	5350.00	60.4 PK	74.0	-13.6	1.42 H	343	47.5	12.9
6	5350.00	47.8 AV	54.0	-6.2	1.42 H	343	34.9	12.9
7	#10460.00	60.5 PK	68.2	-7.7	2.35 H	189	38.5	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.9 PK	74.0	-3.1	1.20 V	15	58.2	12.7
2	5150.00	53.9 AV	54.0	-0.1	1.20 V	15	41.2	12.7
3	*5230.00	120.8 PK			1.20 V	15	77.8	43.0
4	*5230.00	108.5 AV			1.20 V	15	65.5	43.0
5	5350.00	60.9 PK	74.0	-13.1	1.20 V	15	48.0	12.9
6	5350.00	48.4 AV	54.0	-5.6	1.20 V	15	35.5	12.9
7	#10460.00	60.7 PK	68.2	-7.5	1.56 V	268	38.7	22.0

Remarks:

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

RF Mode	802.11be (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	62.4 PK	74.0	-11.6	1.41 H	342	49.7	12.7
2	5150.00	49.4 AV	54.0	-4.6	1.41 H	342	36.7	12.7
3	*5210.00	112.1 PK			1.41 H	342	69.1	43.0
4	*5210.00	98.7 AV			1.41 H	342	55.7	43.0
5	5350.00	60.4 PK	74.0	-13.6	1.41 H	342	47.5	12.9
6	5350.00	47.1 AV	54.0	-6.9	1.41 H	342	34.2	12.9
7	#10420.00	60.2 PK	68.2	-8.0	2.23 H	182	38.2	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.28 V	14	53.2	12.7
2	5150.00	53.7 AV	54.0	-0.3	1.28 V	14	41.0	12.7
3	*5210.00	114.0 PK			1.28 V	14	71.0	43.0
4	*5210.00	100.5 AV			1.28 V	14	57.5	43.0
5	5350.00	60.5 PK	74.0	-13.5	1.28 V	14	47.6	12.9
6	5350.00	47.4 AV	54.0	-6.6	1.28 V	14	34.5	12.9
7	#10420.00	60.5 PK	68.2	-7.7	1.52 V	275	38.5	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	802.11a	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	59.7 PK	74.0	-14.3	1.27 H	348	47.0	12.7
2	5150.00	46.9 AV	54.0	-7.1	1.27 H	348	34.2	12.7
3	*5260.00	116.3 PK			1.27 H	348	73.3	43.0
4	*5260.00	106.9 AV			1.27 H	348	63.9	43.0
5	#10520.00	60.5 PK	68.2	-7.7	2.29 H	182	38.6	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	59.9 PK	74.0	-14.1	1.45 V	16	47.2	12.7
2	5150.00	47.0 AV	54.0	-7.0	1.45 V	16	34.3	12.7
3	*5260.00	118.3 PK			1.45 V	16	75.3	43.0
4	*5260.00	108.8 AV			1.45 V	16	65.8	43.0
5	#10520.00	61.1 PK	68.2	-7.1	1.20 V	304	39.2	21.9

Remarks:

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

RF Mode	802.11a	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	115.6 PK			1.42 H	348	72.5	43.1
2	*5300.00	106.3 AV			1.42 H	348	63.2	43.1
3	10600.00	60.9 PK	74.0	-13.1	2.23 H	189	38.9	22.0
4	10600.00	48.2 AV	54.0	-5.8	2.23 H	189	26.2	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.8 PK			1.12 V	12	73.7	43.1
2	*5300.00	107.5 AV			1.12 V	12	64.4	43.1
3	10600.00	61.8 PK	74.0	-12.2	1.20 V	306	39.8	22.0
4	10600.00	48.6 AV	54.0	-5.4	1.20 V	306	26.6	22.0

Remarks:

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

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	115.4 PK			1.42 H	349	72.2	43.2
2	*5320.00	106.0 AV			1.42 H	349	62.8	43.2
3	5350.00	61.4 PK	74.0	-12.6	1.42 H	349	48.5	12.9
4	5350.00	47.5 AV	54.0	-6.5	1.42 H	349	34.6	12.9
5	10640.00	61.1 PK	74.0	-12.9	2.29 H	182	38.8	22.3
6	10640.00	48.5 AV	54.0	-5.5	2.29 H	182	26.2	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.5 PK			1.17 V	12	73.3	43.2
2	*5320.00	107.2 AV			1.17 V	12	64.0	43.2
3	5350.00	62.3 PK	74.0	-11.7	1.17 V	12	49.4	12.9
4	5350.00	48.4 AV	54.0	-5.6	1.17 V	12	35.5	12.9
5	10640.00	61.7 PK	74.0	-12.3	1.21 V	302	39.4	22.3
6	10640.00	49.0 AV	54.0	-5.0	1.21 V	302	26.7	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	60.3 PK	74.0	-13.7	3.18 H	347	47.6	12.7
2	5150.00	46.9 AV	54.0	-7.1	3.18 H	347	34.2	12.7
3	*5260.00	119.7 PK			1.38 H	347	76.7	43.0
4	*5260.00	106.6 AV			1.38 H	347	63.6	43.0
5	#10520.00	60.7 PK	68.2	-7.5	2.22 H	188	38.8	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.5 PK	74.0	-13.5	1.19 V	12	47.8	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.19 V	12	34.5	12.7
3	*5260.00	120.9 PK			1.19 V	12	77.9	43.0
4	*5260.00	108.0 AV			1.19 V	12	65.0	43.0
5	#10520.00	61.5 PK	68.2	-6.7	1.17 V	302	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 (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	119.0 PK			1.46 H	349	75.9	43.1
2	*5300.00	106.5 AV			1.46 H	349	63.4	43.1
3	10600.00	60.8 PK	74.0	-13.2	2.21 H	189	38.8	22.0
4	10600.00	48.2 AV	54.0	-5.8	2.21 H	189	26.2	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	120.5 PK			1.19 V	11	77.4	43.1
2	*5300.00	107.9 AV			1.19 V	11	64.8	43.1
3	10600.00	61.7 PK	74.0	-12.3	1.25 V	309	39.7	22.0
4	10600.00	48.7 AV	54.0	-5.3	1.25 V	309	26.7	22.0

Remarks:

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

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	119.3 PK			1.37 H	348	76.1	43.2
2	*5320.00	106.2 AV			1.37 H	348	63.0	43.2
3	5350.00	61.3 PK	74.0	-12.7	1.37 H	348	48.4	12.9
4	5350.00	47.9 AV	54.0	-6.1	1.37 H	348	35.0	12.9
5	10640.00	61.1 PK	74.0	-12.9	2.20 H	192	38.8	22.3
6	10640.00	48.6 AV	54.0	-5.4	2.20 H	192	26.3	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	121.0 PK			1.18 V	11	77.8	43.2
2	*5320.00	108.5 AV			1.18 V	11	65.3	43.2
3	5355.00	68.3 PK	74.0	-5.7	1.18 V	11	55.4	12.9
4	5355.00	52.1 AV	54.0	-1.9	1.18 V	11	39.2	12.9
5	10640.00	62.1 PK	74.0	-11.9	1.34 V	312	39.8	22.3
6	10640.00	49.1 AV	54.0	-4.9	1.34 V	312	26.8	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.

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	60.9 PK	74.0	-13.1	1.41 H	350	48.2	12.7
2	5150.00	48.2 AV	54.0	-5.8	1.41 H	350	35.5	12.7
3	*5270.00	116.3 PK			1.41 H	350	73.3	43.0
4	*5270.00	103.6 AV			1.41 H	350	60.6	43.0
5	#10540.00	60.6 PK	68.2	-7.6	2.20 H	182	38.7	21.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.3 PK	74.0	-12.7	1.18 V	12	48.6	12.7
2	5150.00	48.9 AV	54.0	-5.1	1.18 V	12	36.2	12.7
3	*5270.00	117.8 PK			1.18 V	12	74.8	43.0
4	*5270.00	105.6 AV			1.18 V	12	62.6	43.0
5	#10540.00	61.6 PK	68.2	-6.6	1.28 V	330	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	115.8 PK			1.42 H	350	72.7	43.1
2	*5310.00	102.8 AV			1.42 H	350	59.7	43.1
3	5350.00	62.1 PK	74.0	-11.9	1.42 H	350	49.2	12.9
4	5350.00	49.7 AV	54.0	-4.3	1.42 H	350	36.8	12.9
5	10620.00	60.9 PK	74.0	-13.1	2.23 H	185	38.8	22.1
6	10620.00	48.3 AV	54.0	-5.7	2.23 H	185	26.2	22.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	116.9 PK			1.13 V	10	73.8	43.1
2	*5310.00	104.0 AV			1.13 V	10	60.9	43.1
3	5350.00	68.0 PK	74.0	-6.0	1.13 V	10	55.1	12.9
4	5350.00	53.4 AV	54.0	-0.6	1.13 V	10	40.5	12.9
5	10620.00	61.9 PK	74.0	-12.1	1.26 V	302	39.8	22.1
6	10620.00	48.8 AV	54.0	-5.2	1.26 V	302	26.7	22.1

Remarks:

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

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	1.42 H	346	47.8	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.42 H	346	34.5	12.7
3	*5290.00	113.1 PK			1.42 H	346	70.0	43.1
4	*5290.00	100.1 AV			1.42 H	346	57.0	43.1
5	5350.00	63.1 PK	74.0	-10.9	1.42 H	346	50.2	12.9
6	5350.00	49.9 AV	54.0	-4.1	1.42 H	346	37.0	12.9
7	#10580.00	60.6 PK	68.2	-7.6	2.29 H	189	38.6	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.8 PK	74.0	-11.2	1.13 V	14	50.1	12.7
2	5150.00	49.3 AV	54.0	-4.7	1.13 V	14	36.6	12.7
3	*5290.00	114.5 PK			1.13 V	14	71.4	43.1
4	*5290.00	101.0 AV			1.13 V	14	57.9	43.1
5	5367.10	67.7 PK	74.0	-6.3	1.13 V	14	54.8	12.9
6	5367.10	53.8 AV	54.0	-0.2	1.13 V	14	40.9	12.9
7	#10580.00	61.7 PK	68.2	-6.5	1.20 V	314	39.7	22.0

Remarks:

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

RF Mode	802.11be (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	66.7 PK	74.0	-7.3	1.38 H	344	54.0	12.7
2	5150.00	51.7 AV	54.0	-2.3	1.38 H	344	39.0	12.7
3	*5250.00	109.5 PK			1.38 H	344	66.6	42.9
4	*5250.00	96.4 AV			1.38 H	344	53.5	42.9
5	5350.00	62.9 PK	74.0	-11.1	1.38 H	344	50.0	12.9
6	5350.00	50.4 AV	54.0	-3.6	1.38 H	344	37.5	12.9
7	#10500.00	60.1 PK	68.2	-8.1	2.23 H	192	38.2	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	5150.00	67.5 PK	74.0	-6.5	1.32 V	10	54.8	12.7
2	5150.00	53.3 AV	54.0	-0.7	1.32 V	10	40.6	12.7
3	*5250.00	111.0 PK			1.32 V	10	68.1	42.9
4	*5250.00	98.4 AV			1.32 V	10	55.5	42.9
5	5350.00	66.3 PK	74.0	-7.7	1.32 V	10	53.4	12.9
6	5350.00	53.2 AV	54.0	-0.8	1.32 V	10	40.3	12.9
7	#10500.00	60.3 PK	68.2	-7.9	1.62 V	278	38.4	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	61.0 PK	74.0	-13.0	1.41 H	356	48.0	13.0
2	5460.00	47.5 AV	54.0	-6.5	1.41 H	356	34.5	13.0
3	#5470.00	63.7 PK	68.2	-4.5	1.41 H	356	50.7	13.0
4	*5500.00	115.4 PK			1.41 H	356	71.9	43.5
5	*5500.00	105.8 AV			1.41 H	356	62.3	43.5
6	11000.00	61.6 PK	74.0	-12.4	2.35 H	195	38.8	22.8
7	11000.00	49.0 AV	54.0	-5.0	2.35 H	195	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	5460.00	61.3 PK	74.0	-12.7	1.10 V	5	48.3	13.0
2	5460.00	49.5 AV	54.0	-4.5	1.10 V	5	36.5	13.0
3	#5470.00	67.2 PK	68.2	-1.0	1.10 V	5	54.2	13.0
4	*5500.00	116.8 PK			1.10 V	5	73.3	43.5
5	*5500.00	107.0 AV			1.10 V	5	63.5	43.5
6	11000.00	62.4 PK	74.0	-11.6	1.26 V	314	39.6	22.8
7	11000.00	49.2 AV	54.0	-4.8	1.26 V	314	26.4	22.8

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	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	116.1 PK			1.36 H	353	72.5	43.6
2	*5580.00	106.7 AV			1.36 H	353	63.1	43.6
3	11160.00	61.1 PK	74.0	-12.9	2.23 H	187	38.8	22.3
4	11160.00	48.6 AV	54.0	-5.4	2.23 H	187	26.3	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	118.1 PK			1.00 V	3	74.5	43.6
2	*5580.00	107.9 AV			1.00 V	3	64.3	43.6
3	11160.00	62.0 PK	74.0	-12.0	1.11 V	308	39.7	22.3
4	11160.00	49.1 AV	54.0	-4.9	1.11 V	308	26.8	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.

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	113.7 PK			1.37 H	350	69.5	44.2
2	*5700.00	104.3 AV			1.37 H	350	60.1	44.2
3	#5725.00	61.3 PK	68.2	-6.9	1.37 H	350	47.6	13.7
4	11400.00	62.2 PK	74.0	-11.8	2.29 H	185	38.8	23.4
5	11400.00	49.6 AV	54.0	-4.4	2.29 H	185	26.2	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	114.9 PK			1.09 V	33	70.7	44.2
2	*5700.00	105.5 AV			1.09 V	33	61.3	44.2
3	#5728.50	65.0 PK	68.2	-3.2	1.09 V	33	51.2	13.8
4	11400.00	63.1 PK	74.0	-10.9	1.22 V	306	39.7	23.4
5	11400.00	50.2 AV	54.0	-3.8	1.22 V	306	26.8	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	60.5 PK	68.2	-7.7	1.40 H	6	47.5	13.0
2	*5720.00	114.6 PK			1.40 H	6	70.2	44.4
3	*5720.00	105.0 AV			1.40 H	6	60.6	44.4
4	#5850.00	61.5 PK	68.2	-6.7	1.40 H	6	47.5	14.0
5	11440.00	62.1 PK	74.0	-11.9	2.23 H	195	38.8	23.3
6	11440.00	49.6 AV	54.0	-4.4	2.23 H	195	26.3	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.6 PK	68.2	-7.6	1.04 V	30	47.6	13.0
2	*5720.00	116.9 PK			1.04 V	30	72.5	44.4
3	*5720.00	107.5 AV			1.04 V	30	63.1	44.4
4	#5850.00	61.8 PK	68.2	-6.4	1.04 V	30	47.8	14.0
5	11440.00	62.9 PK	74.0	-11.1	1.29 V	305	39.6	23.3
6	11440.00	50.1 AV	54.0	-3.9	1.29 V	305	26.8	23.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 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	1.28 H	359	48.5	13.0
2	5460.00	47.5 AV	54.0	-6.5	1.28 H	359	34.5	13.0
3	#5470.00	61.8 PK	68.2	-6.4	1.28 H	359	48.8	13.0
4	*5500.00	117.8 PK			1.28 H	359	74.3	43.5
5	*5500.00	105.0 AV			1.28 H	359	61.5	43.5
6	11000.00	61.6 PK	74.0	-12.4	2.21 H	189	38.8	22.8
7	11000.00	49.0 AV	54.0	-5.0	2.21 H	189	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	5460.00	64.0 PK	74.0	-10.0	1.03 V	6	51.0	13.0
2	5460.00	50.3 AV	54.0	-3.7	1.03 V	6	37.3	13.0
3	#5470.00	67.8 PK	68.2	-0.4	1.03 V	6	54.8	13.0
4	*5500.00	119.2 PK			1.03 V	6	75.7	43.5
5	*5500.00	106.4 AV			1.03 V	6	62.9	43.5
6	11000.00	62.3 PK	74.0	-11.7	1.23 V	302	39.5	22.8
7	11000.00	49.7 AV	54.0	-4.3	1.23 V	302	26.9	22.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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	118.9 PK			1.29 H	350	75.3	43.6
2	*5580.00	106.1 AV			1.29 H	350	62.5	43.6
3	11160.00	61.1 PK	74.0	-12.9	2.23 H	182	38.8	22.3
4	11160.00	48.5 AV	54.0	-5.5	2.23 H	182	26.2	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	120.0 PK			1.00 V	359	76.4	43.6
2	*5580.00	107.3 AV			1.00 V	359	63.7	43.6
3	11160.00	62.1 PK	74.0	-11.9	1.27 V	303	39.8	22.3
4	11160.00	49.0 AV	54.0	-5.0	1.27 V	303	26.7	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	116.2 PK			1.38 H	350	72.0	44.2
2	*5700.00	104.0 AV			1.38 H	350	59.8	44.2
3	#5725.00	63.3 PK	68.2	-4.9	1.38 H	350	49.6	13.7
4	11400.00	62.2 PK	74.0	-11.8	2.25 H	182	38.8	23.4
5	11400.00	49.6 AV	54.0	-4.4	2.25 H	182	26.2	23.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	117.4 PK			1.02 V	354	73.2	44.2
2	*5700.00	104.5 AV			1.02 V	354	60.3	44.2
3	#5733.00	67.6 PK	68.2	-0.6	1.02 V	354	53.8	13.8
4	11400.00	63.1 PK	74.0	-10.9	1.28 V	306	39.7	23.4
5	11400.00	50.2 AV	54.0	-3.8	1.28 V	306	26.8	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	60.0 PK	68.2	-8.2	1.45 H	6	47.0	13.0
2	*5720.00	117.2 PK			1.45 H	6	72.8	44.4
3	*5720.00	105.2 AV			1.45 H	6	60.8	44.4
4	#5850.00	60.5 PK	68.2	-7.7	1.45 H	6	46.5	14.0
5	11440.00	62.1 PK	74.0	-11.9	2.29 H	182	38.8	23.3
6	11440.00	49.3 AV	54.0	-4.7	2.29 H	182	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	60.2 PK	68.2	-8.0	1.02 V	357	47.2	13.0
2	*5720.00	118.8 PK			1.02 V	357	74.4	44.4
3	*5720.00	106.8 AV			1.02 V	357	62.4	44.4
4	#5850.00	60.7 PK	68.2	-7.5	1.02 V	357	46.7	14.0
5	11440.00	63.0 PK	74.0	-11.0	1.25 V	313	39.7	23.3
6	11440.00	49.8 AV	54.0	-4.2	1.25 V	313	26.5	23.3

Remarks:

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

RF Mode	802.11be (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	61.0 PK	74.0	-13.0	1.49 H	8	48.0	13.0
2	5460.00	47.2 AV	54.0	-6.8	1.49 H	8	34.2	13.0
3	#5470.00	63.7 PK	68.2	-4.5	1.49 H	8	50.7	13.0
4	*5510.00	114.6 PK			1.49 H	8	71.0	43.6
5	*5510.00	102.6 AV			1.49 H	8	59.0	43.6
6	11020.00	61.5 PK	74.0	-12.5	2.22 H	182	38.8	22.7
7	11020.00	48.9 AV	54.0	-5.1	2.22 H	182	26.2	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.08 V	2	49.9	13.0
2	5460.00	47.2 AV	54.0	-6.8	1.08 V	2	34.2	13.0
3	#5468.50	65.4 PK	68.2	-2.8	1.08 V	2	52.4	13.0
4	*5510.00	116.3 PK			1.08 V	2	72.7	43.6
5	*5510.00	103.6 AV			1.08 V	2	60.0	43.6
6	11020.00	62.4 PK	74.0	-11.6	1.21 V	309	39.7	22.7
7	11020.00	49.5 AV	54.0	-4.5	1.21 V	309	26.8	22.7

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	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	114.6 PK			1.42 H	348	71.0	43.6
2	*5550.00	102.6 AV			1.42 H	348	59.0	43.6
3	11100.00	61.1 PK	74.0	-12.9	2.31 H	192	38.8	22.3
4	11100.00	48.6 AV	54.0	-5.4	2.31 H	192	26.3	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	116.0 PK			1.04 V	2	72.4	43.6
2	*5550.00	103.4 AV			1.04 V	2	59.8	43.6
3	11100.00	62.0 PK	74.0	-12.0	1.27 V	312	39.7	22.3
4	11100.00	49.0 AV	54.0	-5.0	1.27 V	312	26.7	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	114.9 PK			1.43 H	349	70.8	44.1
2	*5670.00	101.3 AV			1.43 H	349	57.2	44.1
3	#5725.00	62.2 PK	68.2	-6.0	1.43 H	349	48.5	13.7
4	11340.00	61.6 PK	74.0	-12.4	2.21 H	188	38.7	22.9
5	11340.00	49.0 AV	54.0	-5.0	2.21 H	188	26.1	22.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	116.1 PK			1.00 V	359	72.0	44.1
2	*5670.00	102.3 AV			1.00 V	359	58.2	44.1
3	#5738.30	67.5 PK	68.2	-0.7	1.00 V	359	53.7	13.8
4	11340.00	62.5 PK	74.0	-11.5	1.24 V	308	39.6	22.9
5	11340.00	49.7 AV	54.0	-4.3	1.24 V	308	26.8	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	60.2 PK	68.2	-8.0	1.40 H	10	47.2	13.0
2	*5710.00	114.5 PK			1.40 H	10	70.2	44.3
3	*5710.00	102.3 AV			1.40 H	10	58.0	44.3
4	#5850.00	61.2 PK	68.2	-7.0	1.40 H	10	47.2	14.0
5	11420.00	62.2 PK	74.0	-11.8	2.25 H	199	38.8	23.4
6	11420.00	49.6 AV	54.0	-4.4	2.25 H	199	26.2	23.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.2 PK	68.2	-8.0	1.10 V	356	47.2	13.0
2	*5710.00	115.8 PK			1.10 V	356	71.5	44.3
3	*5710.00	103.3 AV			1.10 V	356	59.0	44.3
4	#5850.00	61.3 PK	68.2	-6.9	1.10 V	356	47.3	14.0
5	11420.00	63.1 PK	74.0	-10.9	1.21 V	309	39.7	23.4
6	11420.00	49.9 AV	54.0	-4.1	1.21 V	309	26.5	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	62.2 PK	74.0	-11.8	1.51 H	349	49.2	13.0
2	5460.00	49.5 AV	54.0	-4.5	1.51 H	349	36.5	13.0
3	#5470.00	65.6 PK	68.2	-2.6	1.51 H	349	52.6	13.0
4	*5530.00	111.8 PK			1.51 H	349	68.2	43.6
5	*5530.00	99.6 AV			1.51 H	349	56.0	43.6
6	11060.00	61.0 PK	74.0	-13.0	2.29 H	183	38.6	22.4
7	11060.00	48.6 AV	54.0	-5.4	2.29 H	183	26.2	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	62.3 PK	74.0	-11.7	1.01 V	1	49.3	13.0
2	5460.00	50.2 AV	54.0	-3.8	1.01 V	1	37.2	13.0
3	#5464.50	67.7 PK	68.2	-0.5	1.01 V	1	54.6	13.1
4	*5530.00	113.3 PK			1.01 V	1	69.7	43.6
5	*5530.00	100.4 AV			1.01 V	1	56.8	43.6
6	11060.00	62.2 PK	74.0	-11.8	1.22 V	306	39.8	22.4
7	11060.00	49.1 AV	54.0	-4.9	1.22 V	306	26.7	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	112.2 PK			1.51 H	351	68.5	43.7
2	*5610.00	100.9 AV			1.51 H	351	57.2	43.7
3	#5725.00	62.2 PK	68.2	-6.0	1.51 H	351	48.5	13.7
4	11220.00	61.2 PK	74.0	-12.8	2.29 H	182	38.8	22.4
5	11220.00	48.6 AV	54.0	-5.4	2.29 H	182	26.2	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	113.3 PK			1.07 V	3	69.6	43.7
2	*5610.00	100.4 AV			1.07 V	3	56.7	43.7
3	#5725.00	64.5 PK	68.2	-3.7	1.07 V	3	50.8	13.7
4	11220.00	62.1 PK	74.0	-11.9	1.29 V	308	39.7	22.4
5	11220.00	49.0 AV	54.0	-5.0	1.29 V	308	26.6	22.4

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	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	60.5 PK	68.2	-7.7	1.40 H	5	47.5	13.0
2	*5690.00	112.1 PK			1.40 H	5	68.0	44.1
3	*5690.00	99.9 AV			1.40 H	5	55.8	44.1
4	#5850.00	61.2 PK	68.2	-7.0	1.40 H	5	47.2	14.0
5	11380.00	61.8 PK	74.0	-12.2	2.19 H	188	38.7	23.1
6	11380.00	49.4 AV	54.0	-4.6	2.19 H	188	26.3	23.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.6 PK	68.2	-7.6	1.07 V	357	47.6	13.0
2	*5690.00	113.0 PK			1.07 V	357	68.9	44.1
3	*5690.00	100.7 AV			1.07 V	357	56.6	44.1
4	#5850.00	61.2 PK	68.2	-7.0	1.07 V	357	47.2	14.0
5	11380.00	62.8 PK	74.0	-11.2	1.26 V	311	39.7	23.1
6	11380.00	49.7 AV	54.0	-4.3	1.26 V	311	26.6	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	66.3 PK	74.0	-7.7	1.44 H	7	53.3	13.0
2	5460.00	51.8 AV	54.0	-2.2	1.44 H	7	38.8	13.0
3	#5470.00	65.5 PK	68.2	-2.7	1.44 H	7	52.5	13.0
4	*5570.00	109.8 PK			1.44 H	7	66.1	43.7
5	*5570.00	96.9 AV			1.44 H	7	53.2	43.7
6	#5725.00	65.2 PK	68.2	-3.0	1.44 H	7	51.5	13.7
7	11140.00	61.1 PK	74.0	-12.9	2.29 H	182	38.8	22.3
8	11140.00	48.5 AV	54.0	-5.5	2.29 H	182	26.2	22.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	68.7 PK	74.0	-5.3	1.66 V	15	55.7	13.0
2	5460.00	53.5 AV	54.0	-0.5	1.66 V	15	40.5	13.0
3	#5470.00	67.2 PK	68.2	-1.0	1.66 V	15	54.2	13.0
4	*5570.00	110.9 PK			1.66 V	15	67.2	43.7
5	*5570.00	98.3 AV			1.66 V	15	54.6	43.7
6	#5725.00	65.5 PK	68.2	-2.7	1.66 V	15	51.8	13.7
7	11140.00	61.9 PK	74.0	-12.1	1.22 V	302	39.6	22.3
8	11140.00	48.8 AV	54.0	-5.2	1.22 V	302	26.5	22.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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	#5607.60	61.7 PK	68.2	-6.5	1.16 H	293	48.7	13.0
2	*5745.00	121.5 PK			1.16 H	293	76.9	44.6
3	*5745.00	111.8 AV			1.16 H	293	67.2	44.6
4	#5969.60	62.4 PK	68.2	-5.8	1.16 H	293	48.1	14.3
5	11490.00	62.0 PK	74.0	-12.0	2.25 H	189	38.8	23.2
6	11490.00	49.8 AV	54.0	-4.2	2.25 H	189	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	#5646.80	64.3 PK	68.2	-3.9	1.87 V	15	51.0	13.3
2	*5745.00	122.6 PK			1.87 V	15	78.0	44.6
3	*5745.00	112.6 AV			1.87 V	15	68.0	44.6
4	#5948.80	62.7 PK	68.2	-5.5	1.87 V	15	48.5	14.2
5	11490.00	62.7 PK	74.0	-11.3	2.09 V	192	39.5	23.2
6	11490.00	50.4 AV	54.0	-3.6	2.09 V	192	27.2	23.2

Remarks:

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

RF Mode	802.11a	Channel	CH 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	#5626.00	60.4 PK	68.2	-7.8	1.19 H	290	47.3	13.1
2	*5785.00	122.3 PK			1.19 H	290	77.5	44.8
3	*5785.00	112.1 AV			1.19 H	290	67.3	44.8
4	#5938.40	61.2 PK	68.2	-7.0	1.19 H	290	47.0	14.2
5	11570.00	62.2 PK	74.0	-11.8	2.28 H	182	39.2	23.0
6	11570.00	49.7 AV	54.0	-4.3	2.28 H	182	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	#5612.00	61.4 PK	68.2	-6.8	1.90 V	19	48.3	13.1
2	*5785.00	123.1 PK			1.90 V	19	78.3	44.8
3	*5785.00	112.9 AV			1.90 V	19	68.1	44.8
4	#5979.60	61.8 PK	68.2	-6.4	1.90 V	19	47.5	14.3
5	11570.00	62.6 PK	74.0	-11.4	2.11 V	195	39.6	23.0
6	11570.00	50.2 AV	54.0	-3.8	2.11 V	195	27.2	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	#5640.80	60.4 PK	68.2	-7.8	1.19 H	292	47.2	13.2
2	*5825.00	122.0 PK			1.19 H	292	77.3	44.7
3	*5825.00	111.9 AV			1.19 H	292	67.2	44.7
4	#5943.60	61.3 PK	68.2	-6.9	1.19 H	292	47.1	14.2
5	11650.00	61.5 PK	74.0	-12.5	2.20 H	193	38.9	22.6
6	11650.00	48.9 AV	54.0	-5.1	2.20 H	193	26.3	22.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5603.60	61.4 PK	68.2	-6.8	1.89 V	18	48.4	13.0
2	*5825.00	122.8 PK			1.89 V	18	78.1	44.7
3	*5825.00	112.7 AV			1.89 V	18	68.0	44.7
4	#5980.40	62.3 PK	68.2	-5.9	1.89 V	18	48.0	14.3
5	11650.00	61.9 PK	74.0	-12.1	2.09 V	189	39.3	22.6
6	11650.00	49.6 AV	54.0	-4.4	2.09 V	189	27.0	22.6

Remarks:

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

RF Mode	802.11be (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	#5647.20	61.6 PK	68.2	-6.6	1.22 H	294	48.3	13.3
2	*5745.00	124.2 PK			1.22 H	294	79.6	44.6
3	*5745.00	112.1 AV			1.22 H	294	67.5	44.6
4	#5928.40	62.0 PK	68.2	-6.2	1.22 H	294	47.8	14.2
5	11490.00	62.0 PK	74.0	-12.0	2.31 H	192	38.8	23.2
6	11490.00	49.5 AV	54.0	-4.5	2.31 H	192	26.3	23.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.20	67.5 PK	68.2	-0.7	2.02 V	11	54.2	13.3
2	*5745.00	124.9 PK			2.02 V	11	80.3	44.6
3	*5745.00	112.9 AV			2.02 V	11	68.3	44.6
4	#5965.60	62.2 PK	68.2	-6.0	2.02 V	11	47.9	14.3
5	11490.00	62.4 PK	74.0	-11.6	2.02 V	195	39.2	23.2
6	11490.00	50.0 AV	54.0	-4.0	2.02 V	195	26.8	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	#5637.20	61.0 PK	68.2	-7.2	1.19 H	293	47.8	13.2
2	*5785.00	123.8 PK			1.19 H	293	79.0	44.8
3	*5785.00	113.6 AV			1.19 H	293	68.8	44.8
4	#5941.20	61.7 PK	68.2	-6.5	1.19 H	293	47.5	14.2
5	11570.00	61.7 PK	74.0	-12.3	2.23 H	185	38.7	23.0
6	11570.00	49.3 AV	54.0	-4.7	2.23 H	185	26.3	23.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.80	62.0 PK	68.2	-6.2	2.00 V	30	48.8	13.2
2	*5785.00	124.6 PK			2.00 V	30	79.8	44.8
3	*5785.00	112.2 AV			2.00 V	30	67.4	44.8
4	#5949.20	61.7 PK	68.2	-6.5	2.00 V	30	47.5	14.2
5	11570.00	62.3 PK	74.0	-11.7	2.09 V	189	39.3	23.0
6	11570.00	49.9 AV	54.0	-4.1	2.09 V	189	26.9	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	#5626.80	60.2 PK	68.2	-8.0	1.19 H	292	47.1	13.1
2	*5825.00	123.7 PK			1.19 H	292	79.0	44.7
3	*5825.00	113.3 AV			1.19 H	292	68.6	44.7
4	#5961.60	61.3 PK	68.2	-6.9	1.19 H	292	47.0	14.3
5	11650.00	61.4 PK	74.0	-12.6	2.23 H	187	38.8	22.6
6	11650.00	49.0 AV	54.0	-5.0	2.23 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	#5608.40	61.0 PK	68.2	-7.2	2.02 V	20	48.0	13.0
2	*5825.00	124.5 PK			2.02 V	20	79.8	44.7
3	*5825.00	112.0 AV			2.02 V	20	67.3	44.7
4	#5969.20	61.5 PK	68.2	-6.7	2.02 V	20	47.2	14.3
5	11650.00	61.8 PK	74.0	-12.2	2.11 V	192	39.2	22.6
6	11650.00	49.4 AV	54.0	-4.6	2.11 V	192	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 (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	#5616.00	61.5 PK	68.2	-6.7	1.20 H	293	48.4	13.1
2	*5755.00	119.1 PK			1.20 H	293	74.5	44.6
3	*5755.00	106.6 AV			1.20 H	293	62.0	44.6
4	#5971.20	62.0 PK	68.2	-6.2	1.20 H	293	47.7	14.3
5	11510.00	61.7 PK	74.0	-12.3	2.23 H	197	38.6	23.1
6	11510.00	49.2 AV	54.0	-4.8	2.23 H	197	26.1	23.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.60	67.6 PK	68.2	-0.6	1.76 V	12	54.3	13.3
2	*5755.00	120.5 PK			1.76 V	12	75.9	44.6
3	*5755.00	107.6 AV			1.76 V	12	63.0	44.6
4	#5989.20	62.5 PK	68.2	-5.7	1.76 V	12	48.1	14.4
5	11510.00	62.1 PK	74.0	-11.9	2.02 V	186	39.0	23.1
6	11510.00	49.6 AV	54.0	-4.4	2.02 V	186	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	#5648.40	64.6 PK	68.2	-3.6	1.26 H	292	51.3	13.3
2	*5795.00	121.5 PK			1.26 H	292	76.7	44.8
3	*5795.00	109.3 AV			1.26 H	292	64.5	44.8
4	#5974.80	62.1 PK	68.2	-6.1	1.26 H	292	47.8	14.3
5	11590.00	61.5 PK	74.0	-12.5	2.29 H	185	38.7	22.8
6	11590.00	49.0 AV	54.0	-5.0	2.29 H	185	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	#5639.60	67.6 PK	68.2	-0.6	1.87 V	16	54.4	13.2
2	*5795.00	122.7 PK			1.87 V	16	77.9	44.8
3	*5795.00	110.1 AV			1.87 V	16	65.3	44.8
4	#5956.00	62.3 PK	68.2	-5.9	1.87 V	16	48.1	14.2
5	11590.00	61.8 PK	74.0	-12.2	2.09 V	192	39.0	22.8
6	11590.00	49.4 AV	54.0	-4.6	2.09 V	192	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	#5643.20	63.6 PK	68.2	-4.6	1.25 H	294	50.4	13.2
2	*5775.00	114.9 PK			1.25 H	294	70.2	44.7
3	*5775.00	102.1 AV			1.25 H	294	57.4	44.7
4	#5956.00	61.9 PK	68.2	-6.3	1.25 H	294	47.7	14.2
5	11550.00	61.9 PK	74.0	-12.1	2.35 H	189	38.9	23.0
6	11550.00	49.1 AV	54.0	-4.9	2.35 H	189	26.1	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	#5637.60	67.6 PK	68.2	-0.6	1.86 V	17	54.4	13.2
2	*5775.00	116.5 PK			1.86 V	17	71.8	44.7
3	*5775.00	103.1 AV			1.86 V	17	58.4	44.7
4	#5925.60	61.9 PK	68.2	-6.3	1.86 V	17	47.8	14.1
5	11550.00	62.5 PK	74.0	-11.5	2.26 V	188	39.5	23.0
6	11550.00	49.6 AV	54.0	-4.4	2.26 V	188	26.6	23.0

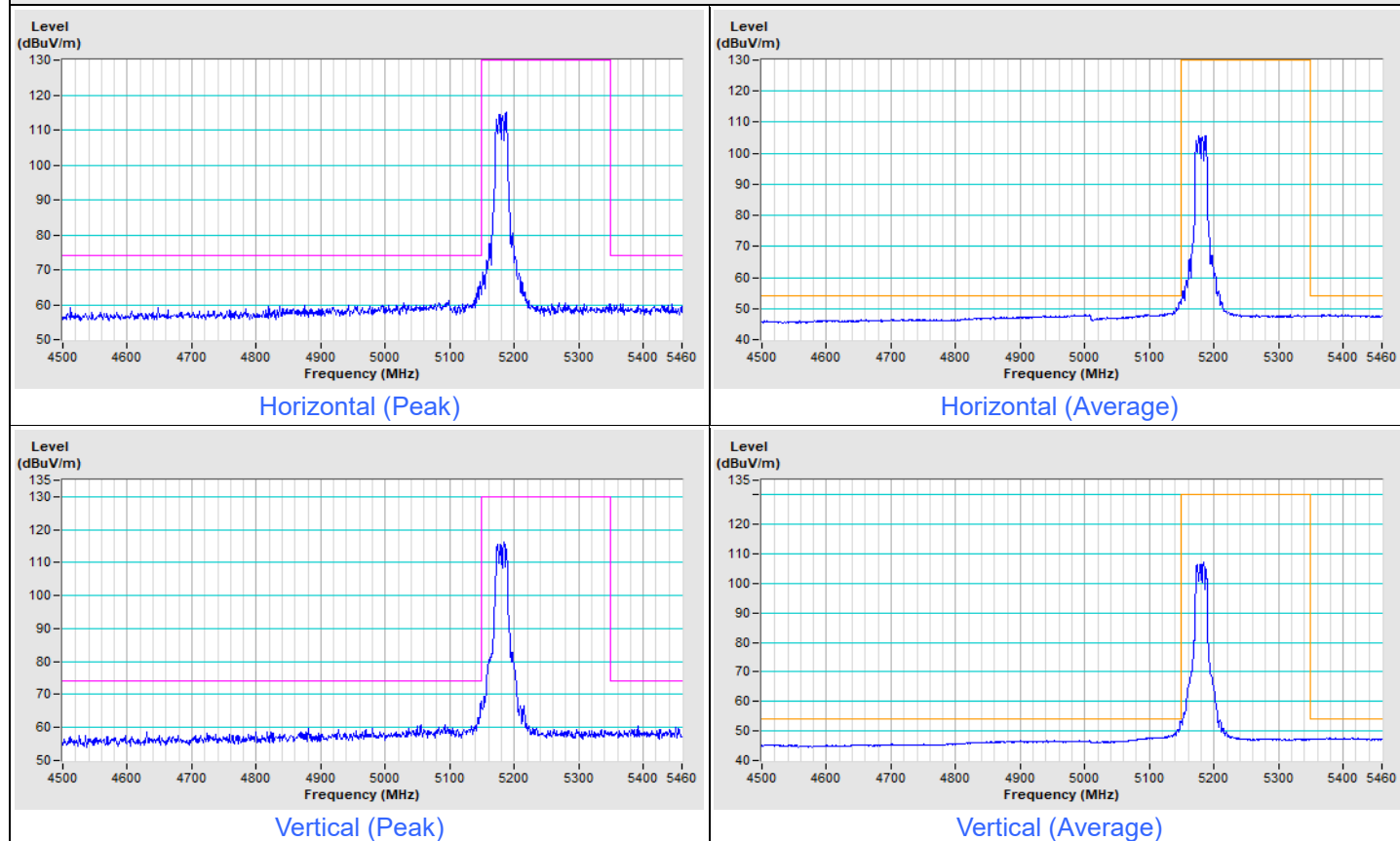
Remarks:

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

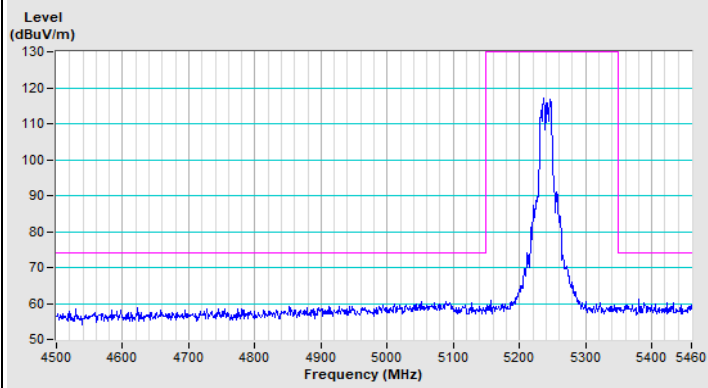
Plot of Band Edge

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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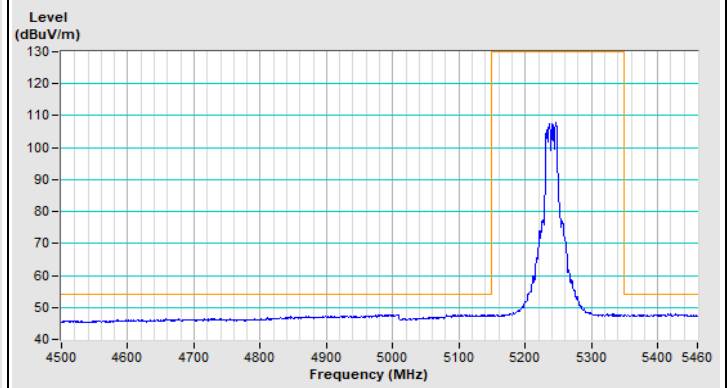
802.11a Channel 36



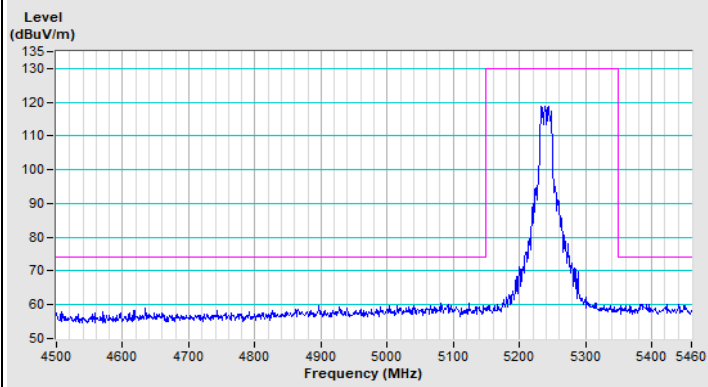
802.11a Channel 48



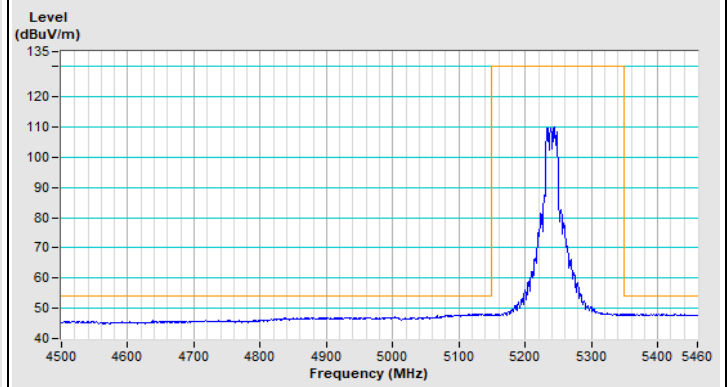
Horizontal (Peak)



Horizontal (Average)



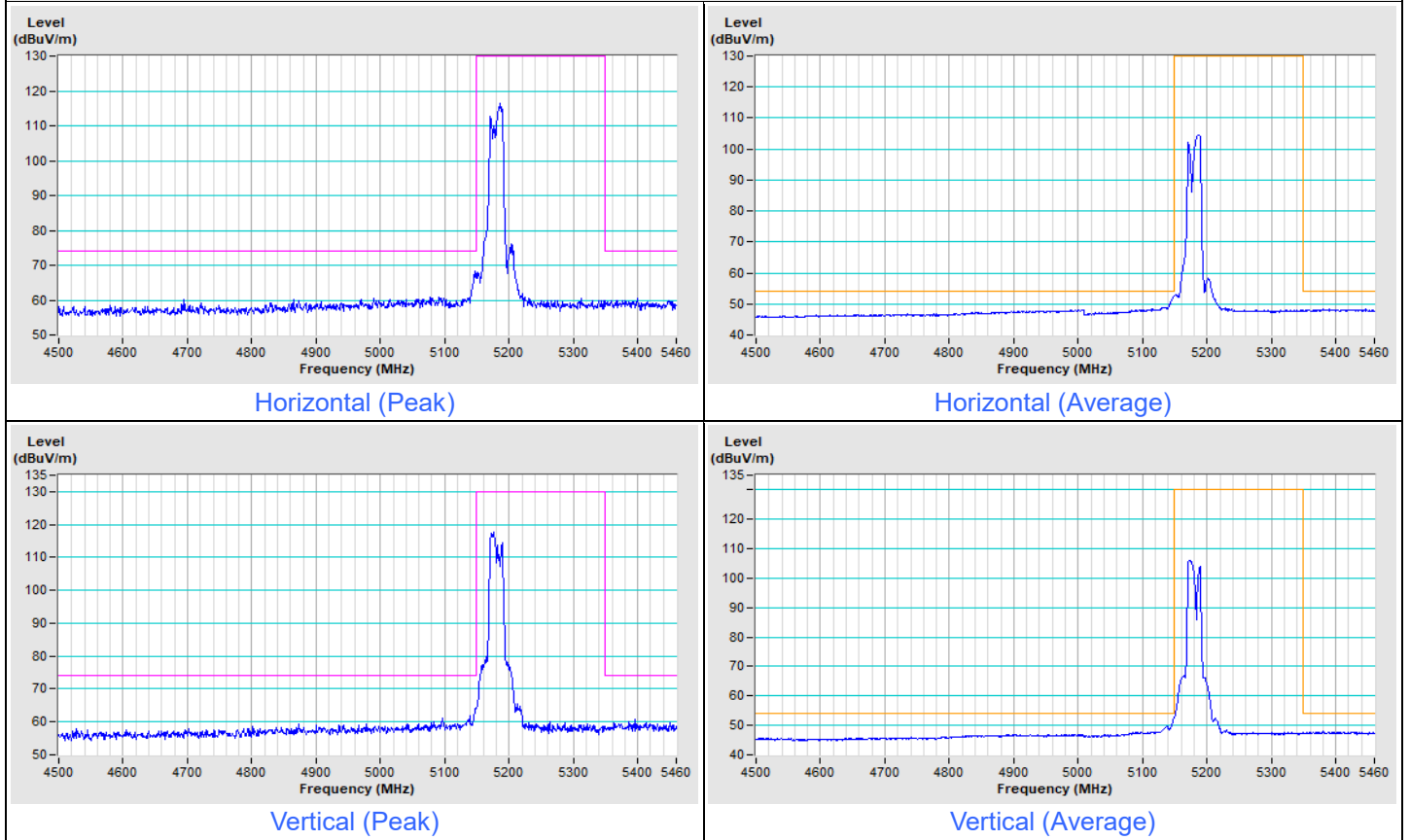
Vertical (Peak)



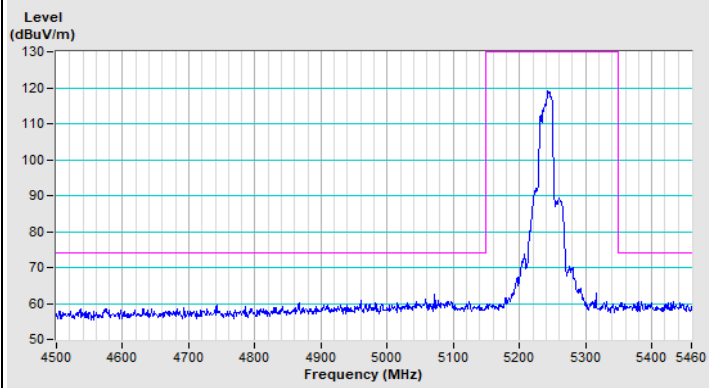
Vertical (Average)

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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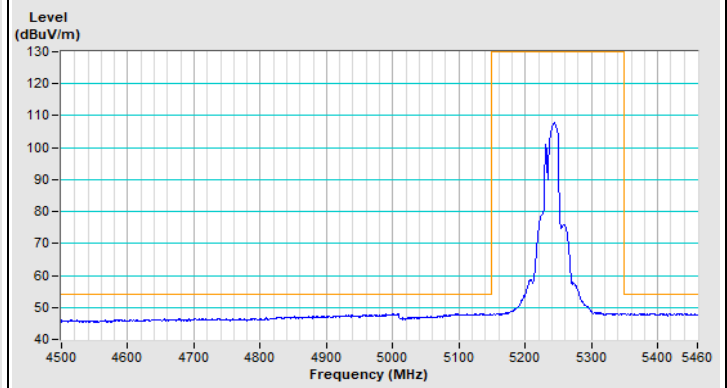
802.11be (EHT20) Channel 36



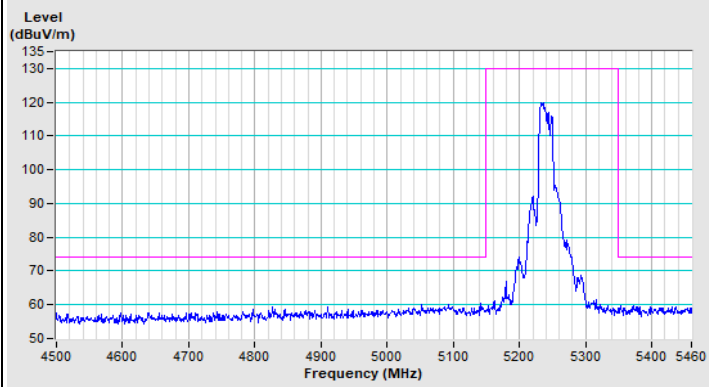
802.11be (EHT20) Channel 48



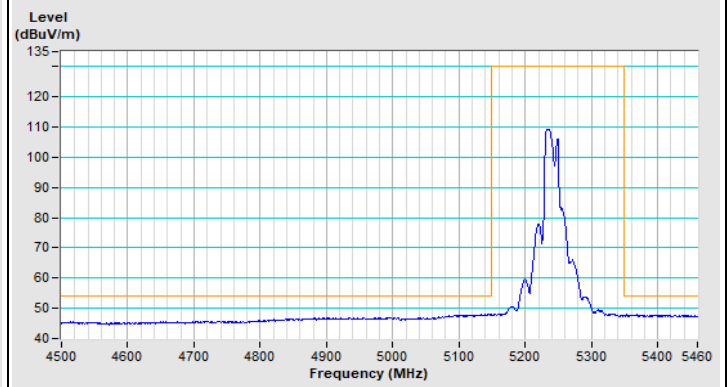
Horizontal (Peak)



Horizontal (Average)



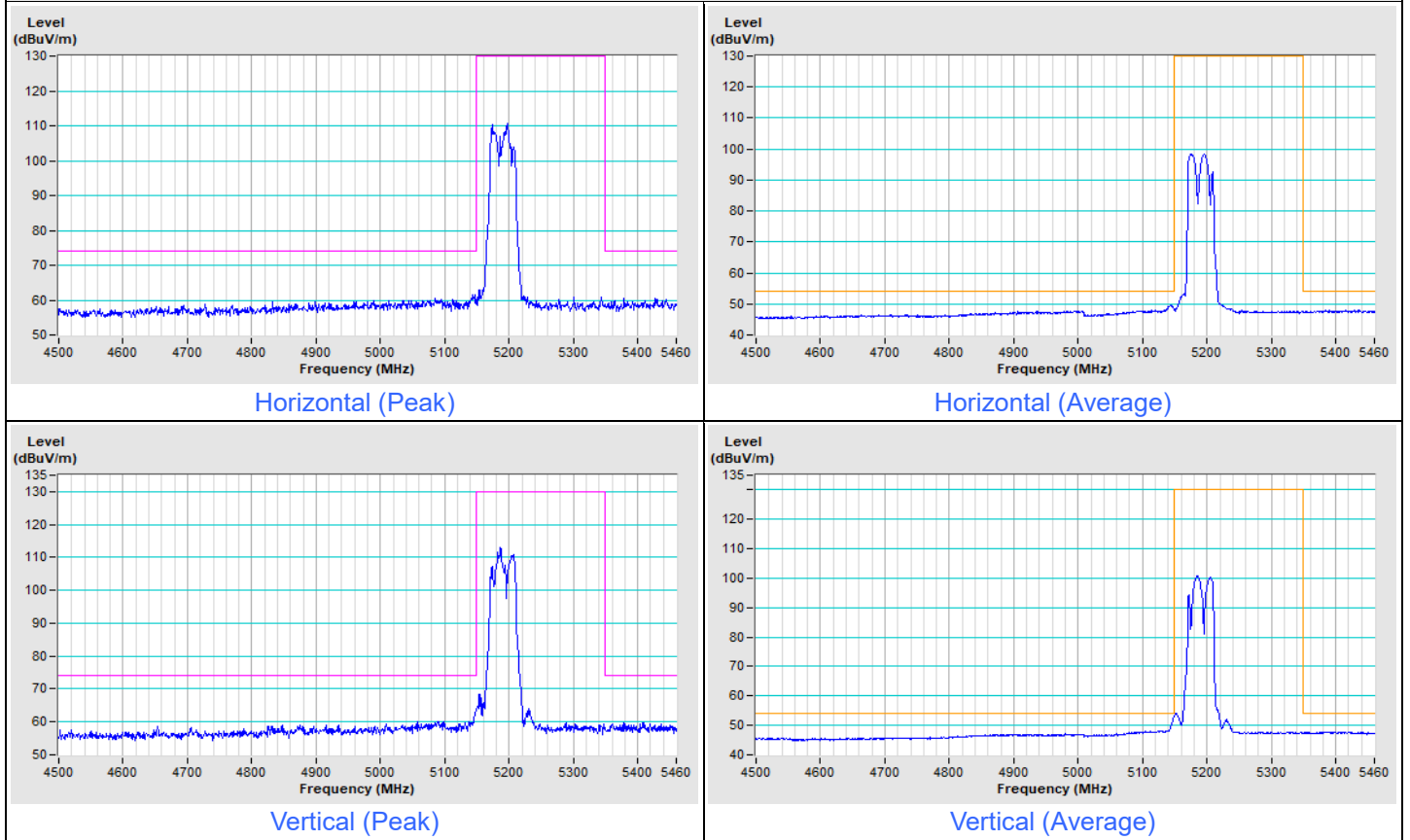
Vertical (Peak)



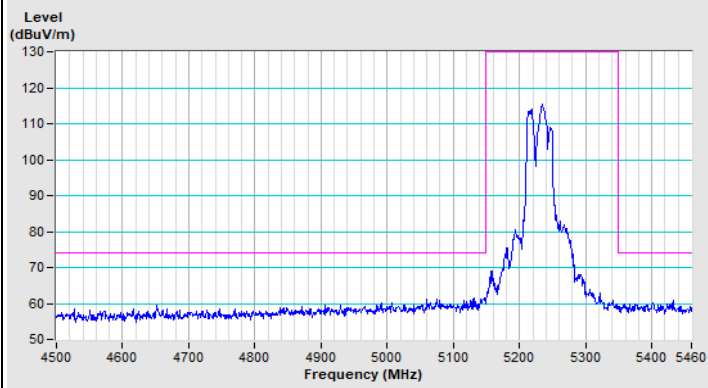
Vertical (Average)

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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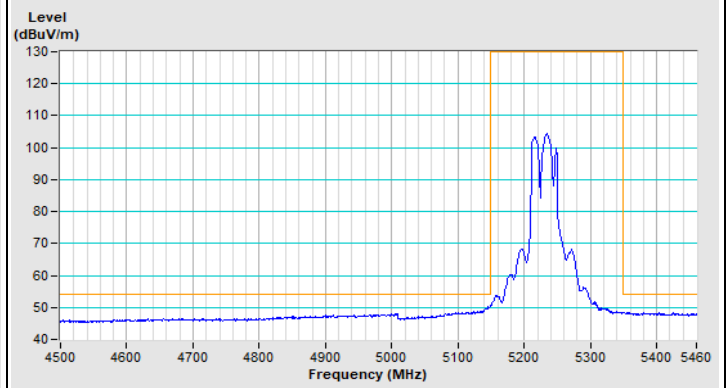
802.11be (EHT40) Channel 38



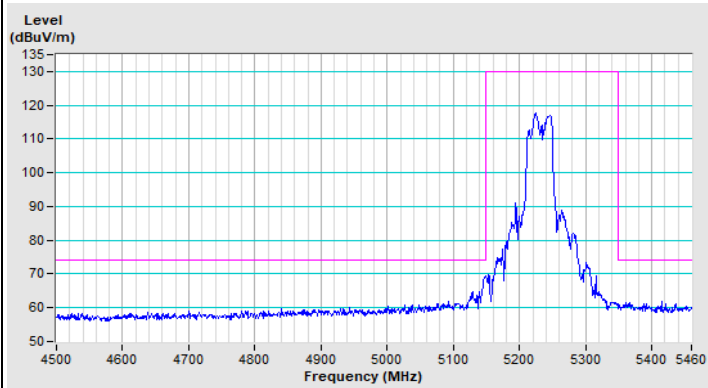
802.11be (EHT40) Channel 46



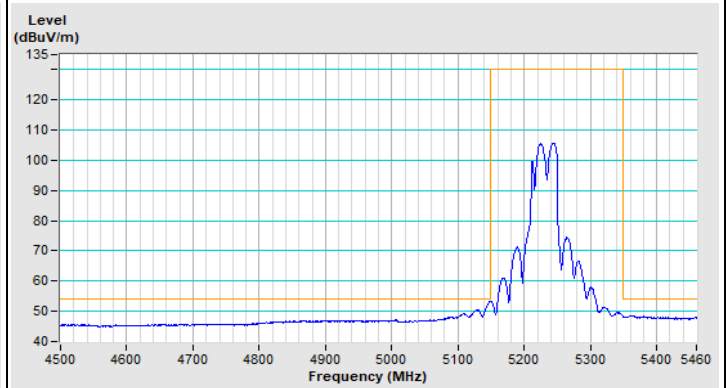
Horizontal (Peak)



Horizontal (Average)



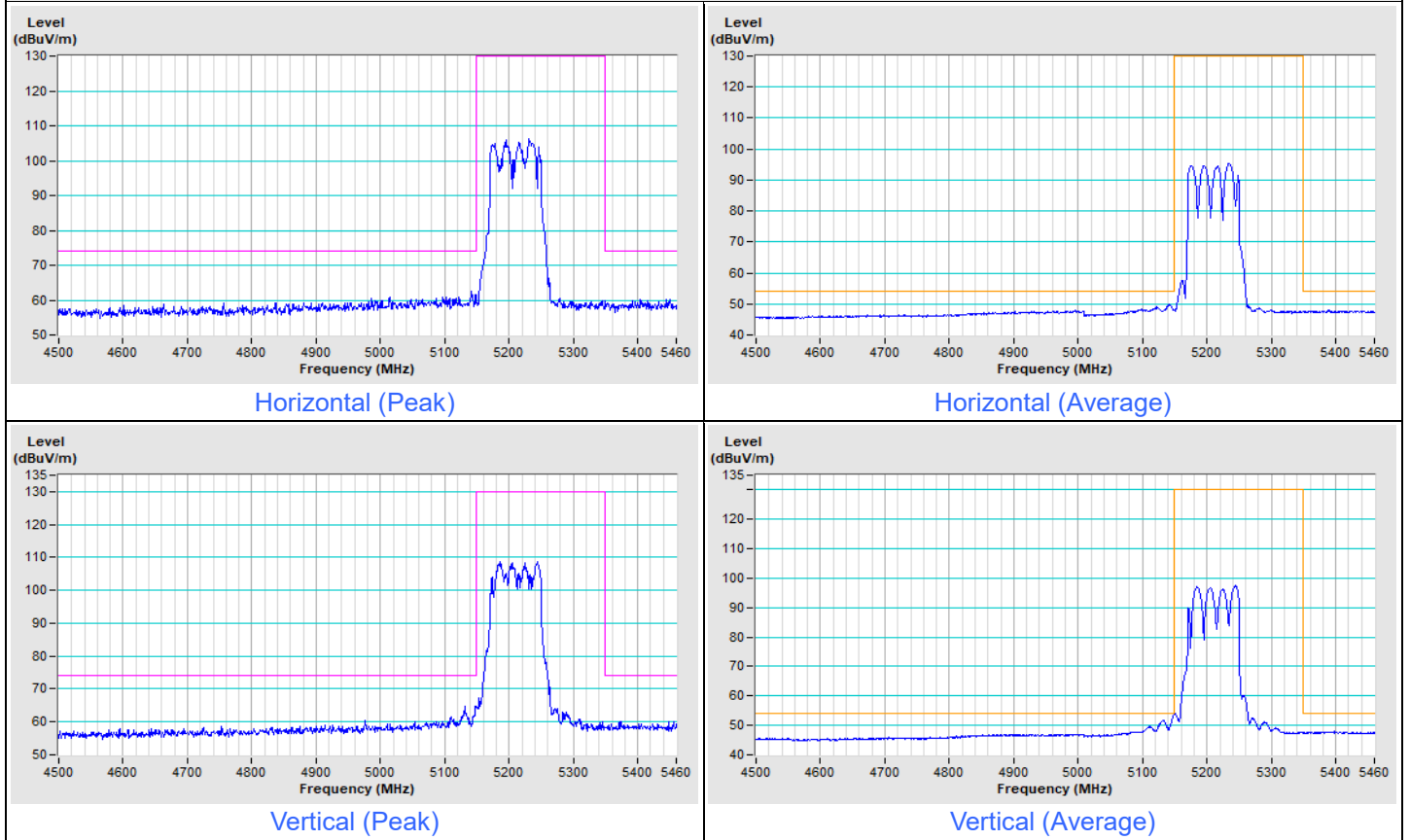
Vertical (Peak)



Vertical (Average)

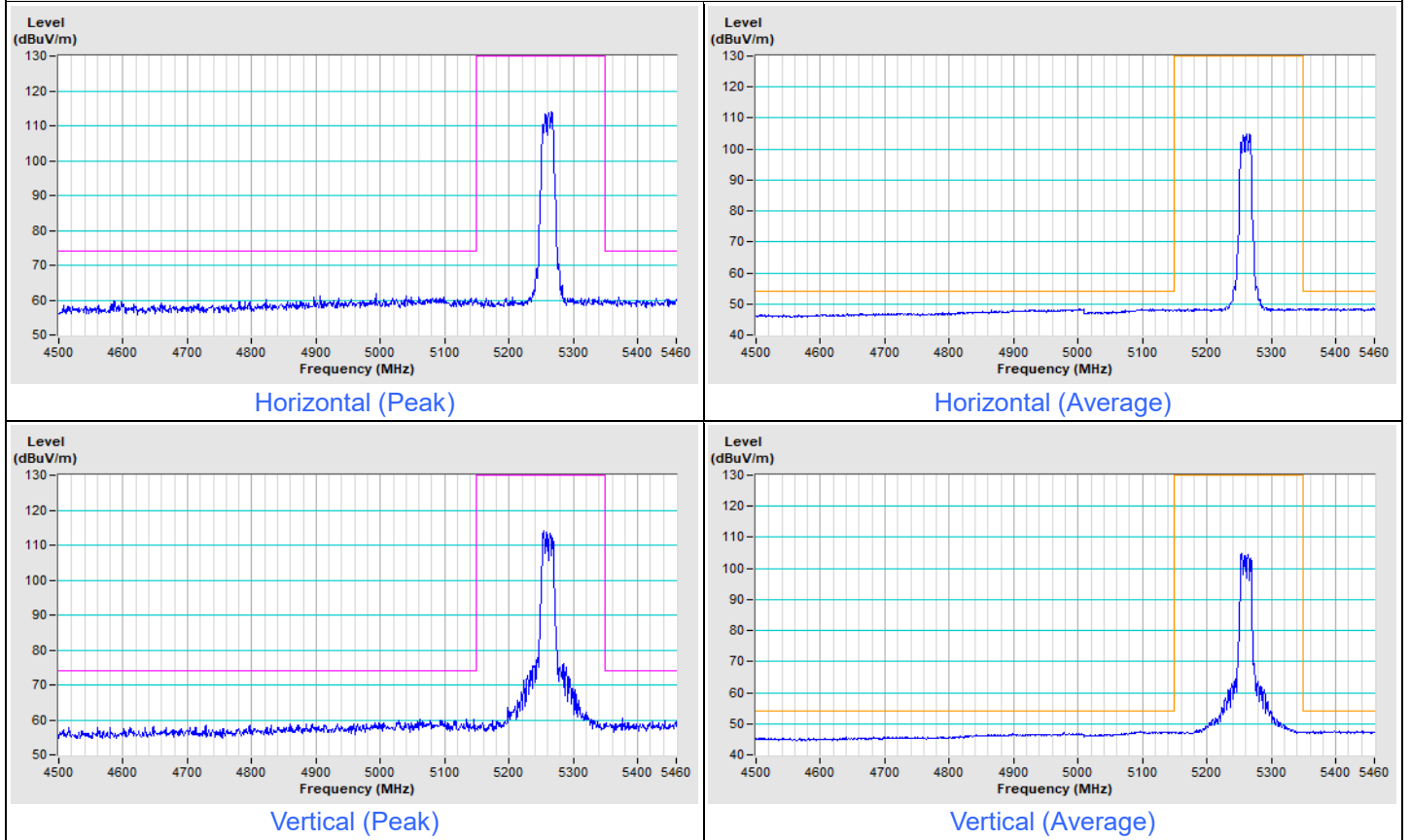
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 42

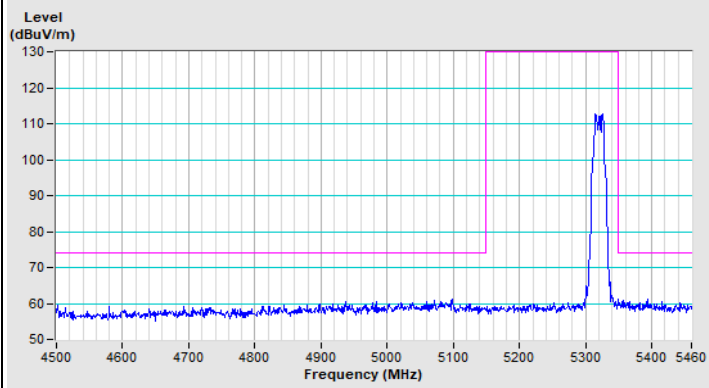


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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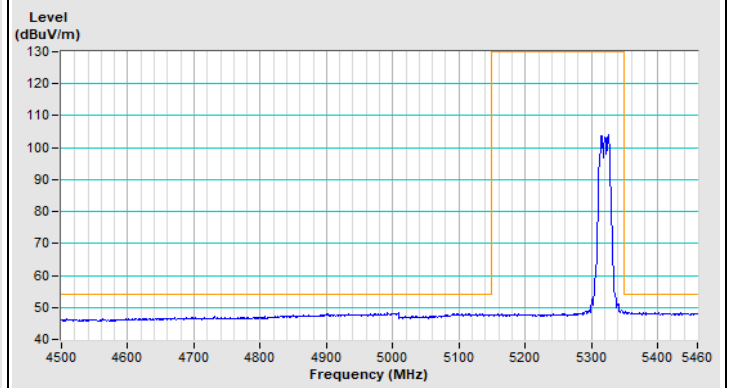
802.11a Channel 52



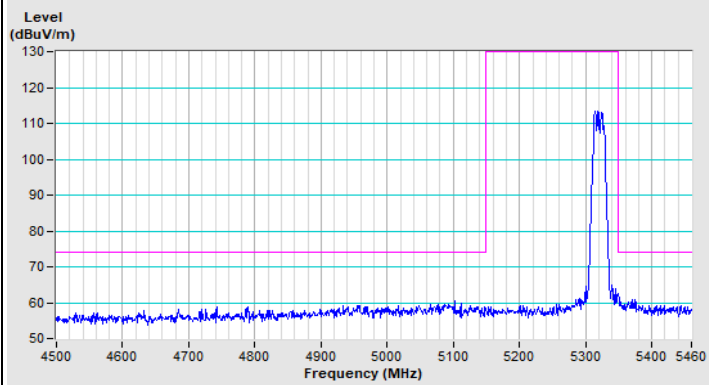
802.11a Channel 64



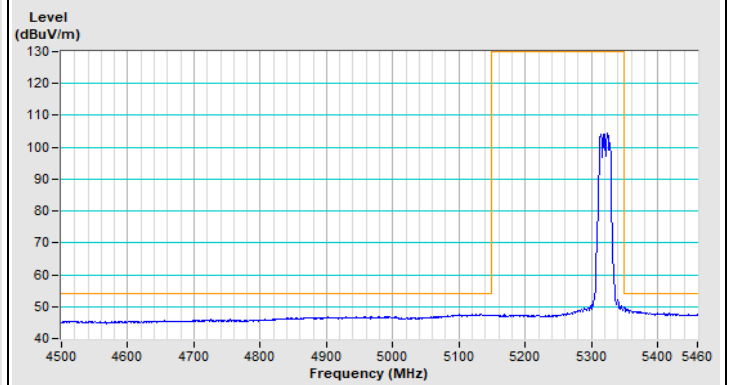
Horizontal (Peak)



Horizontal (Average)



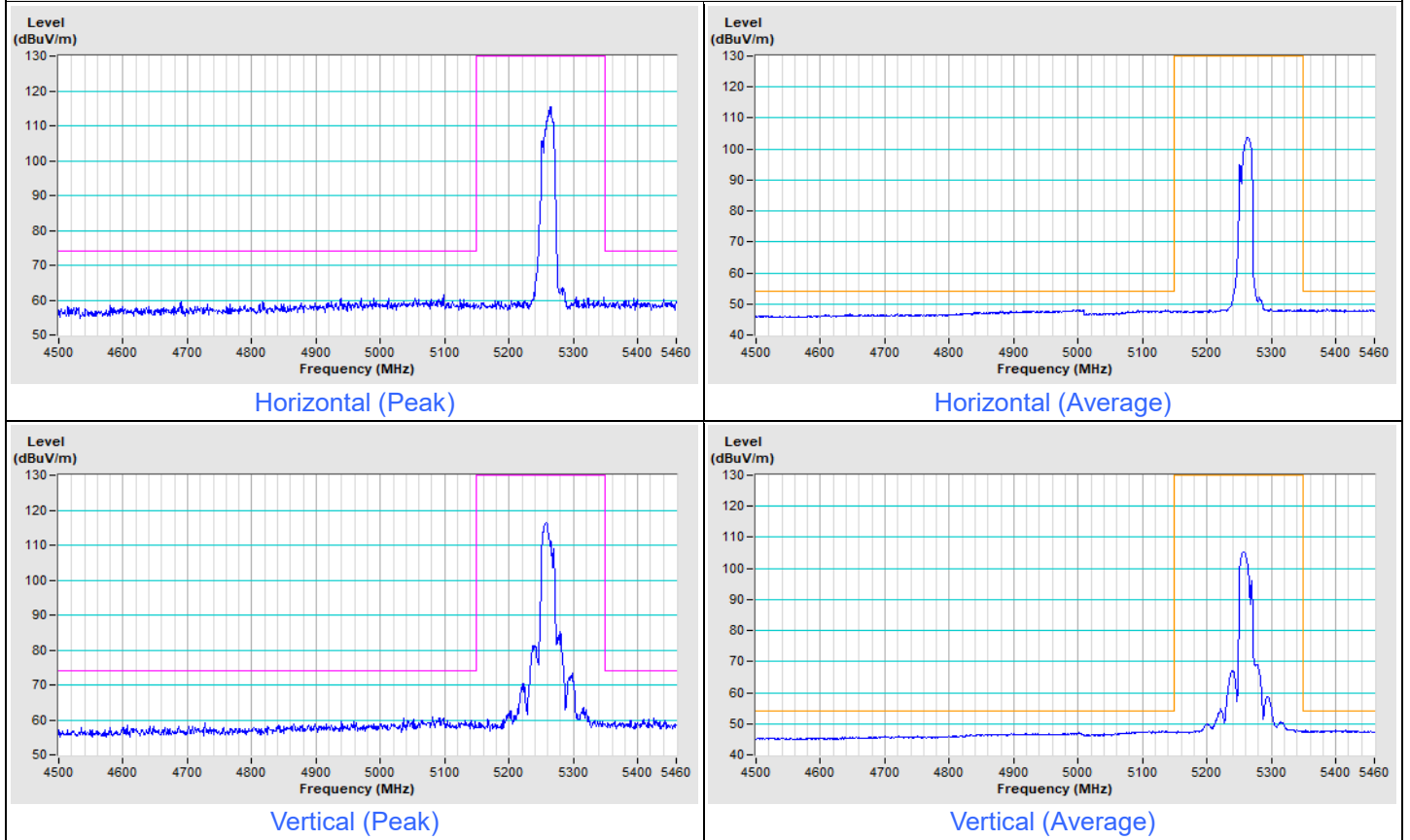
Vertical (Peak)



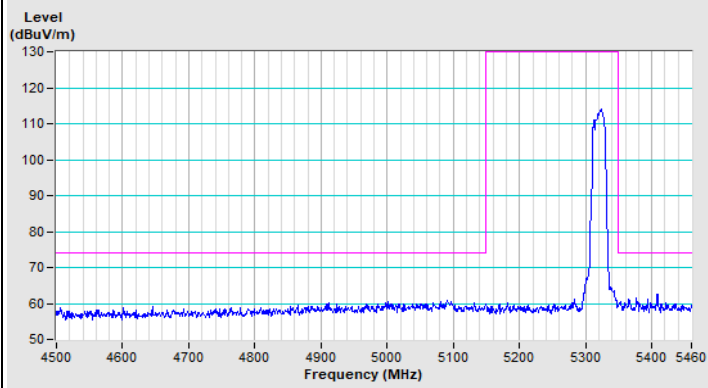
Vertical (Average)

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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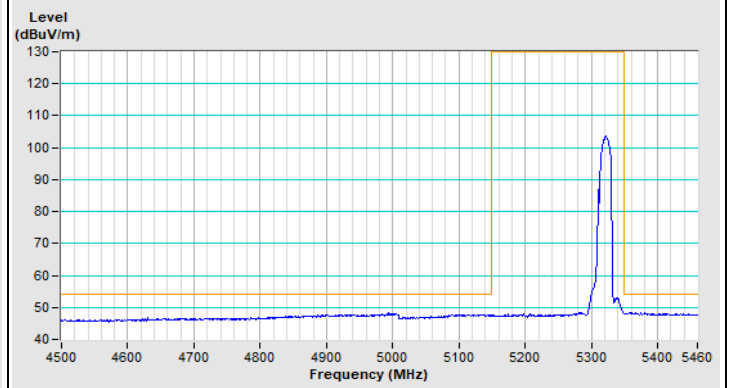
802.11be (EHT20) Channel 52



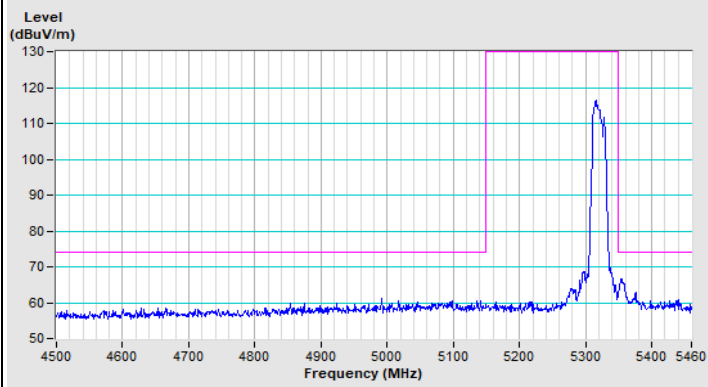
802.11be (EHT20) Channel 64



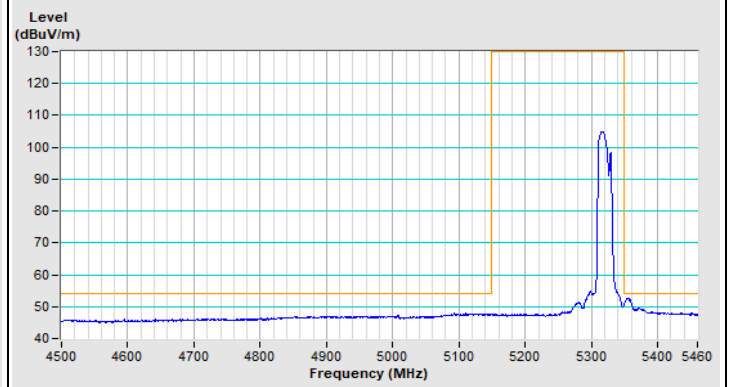
Horizontal (Peak)



Horizontal (Average)



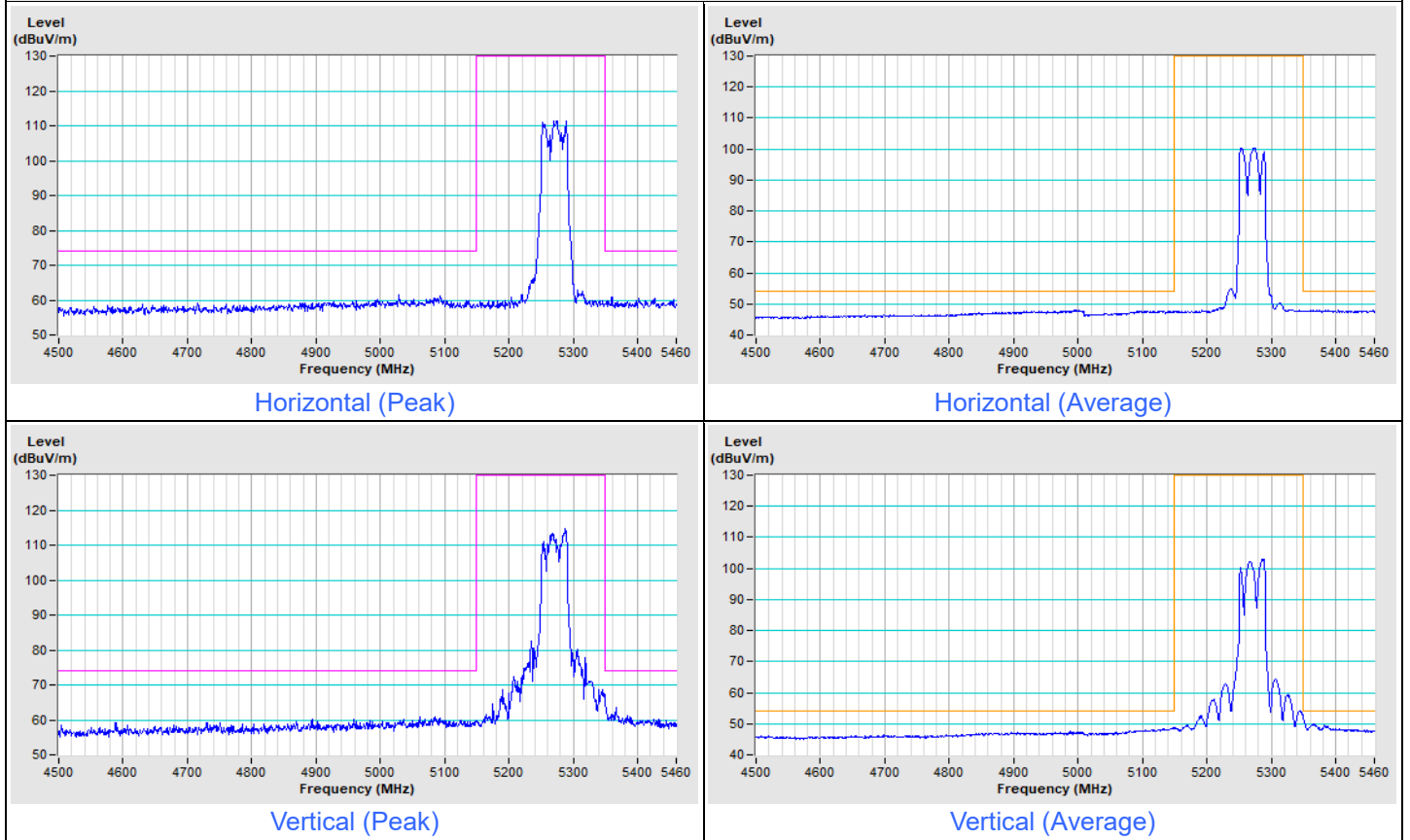
Vertical (Peak)



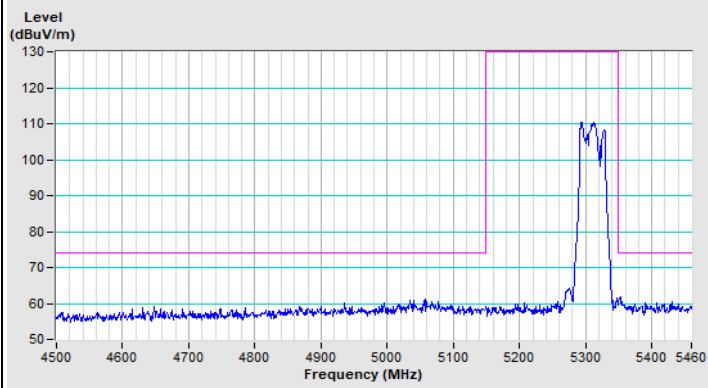
Vertical (Average)

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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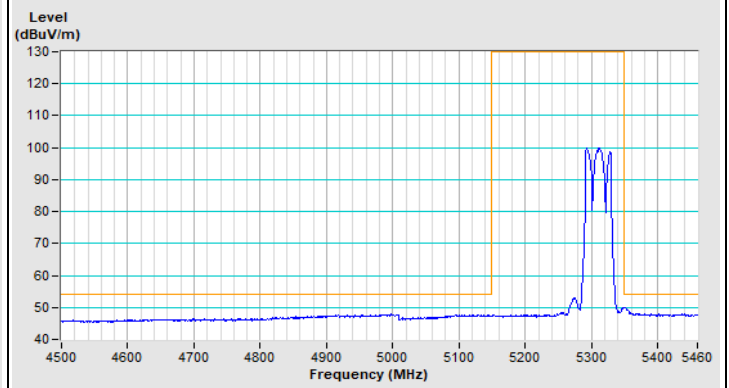
802.11be (EHT40) Channel 54



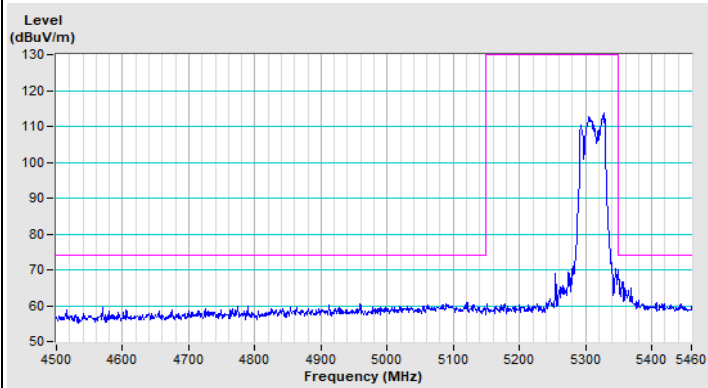
802.11be (EHT40) Channel 62



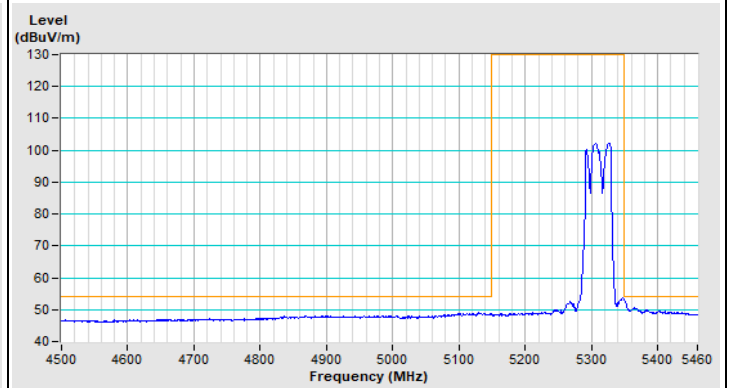
Horizontal (Peak)



Horizontal (Average)



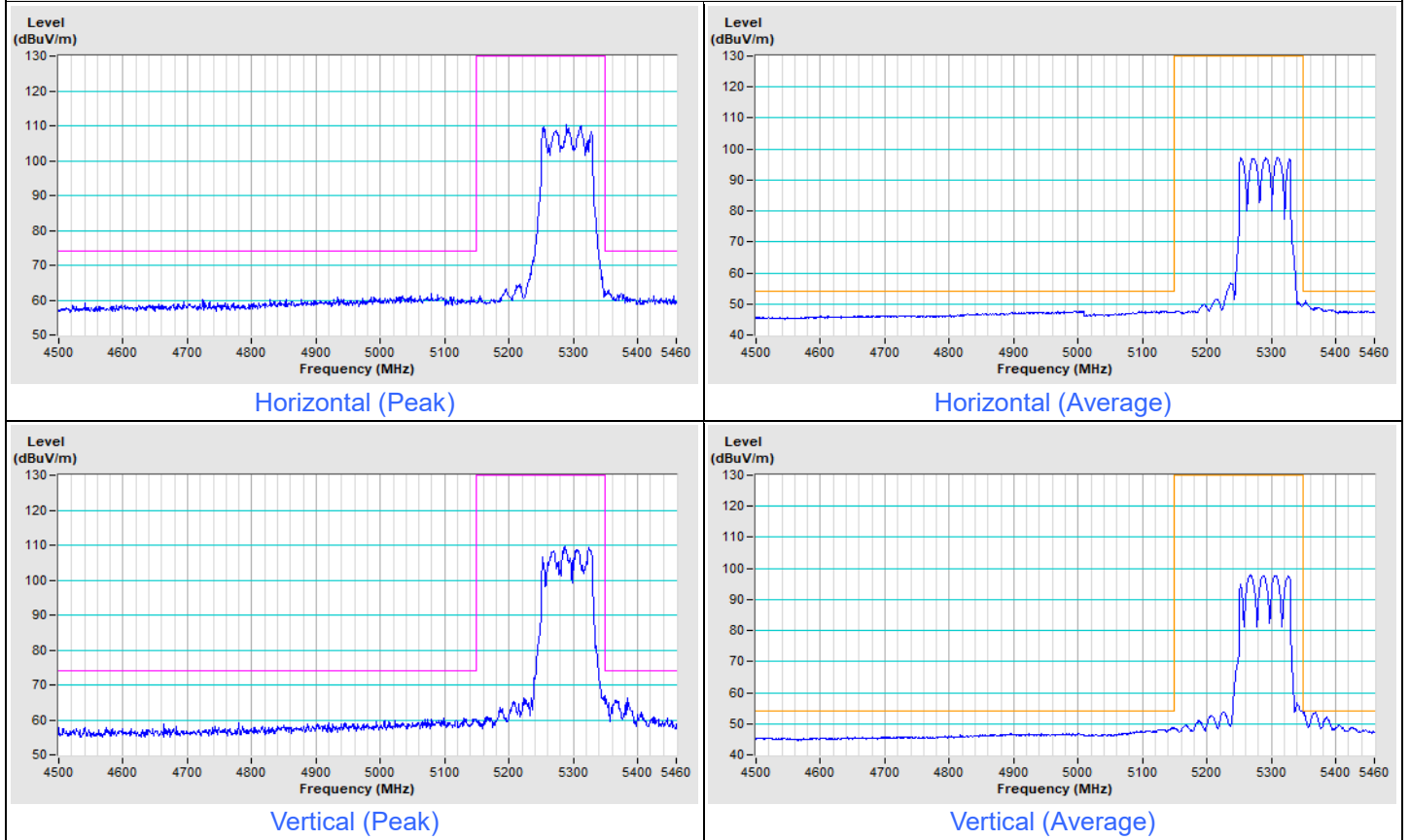
Vertical (Peak)

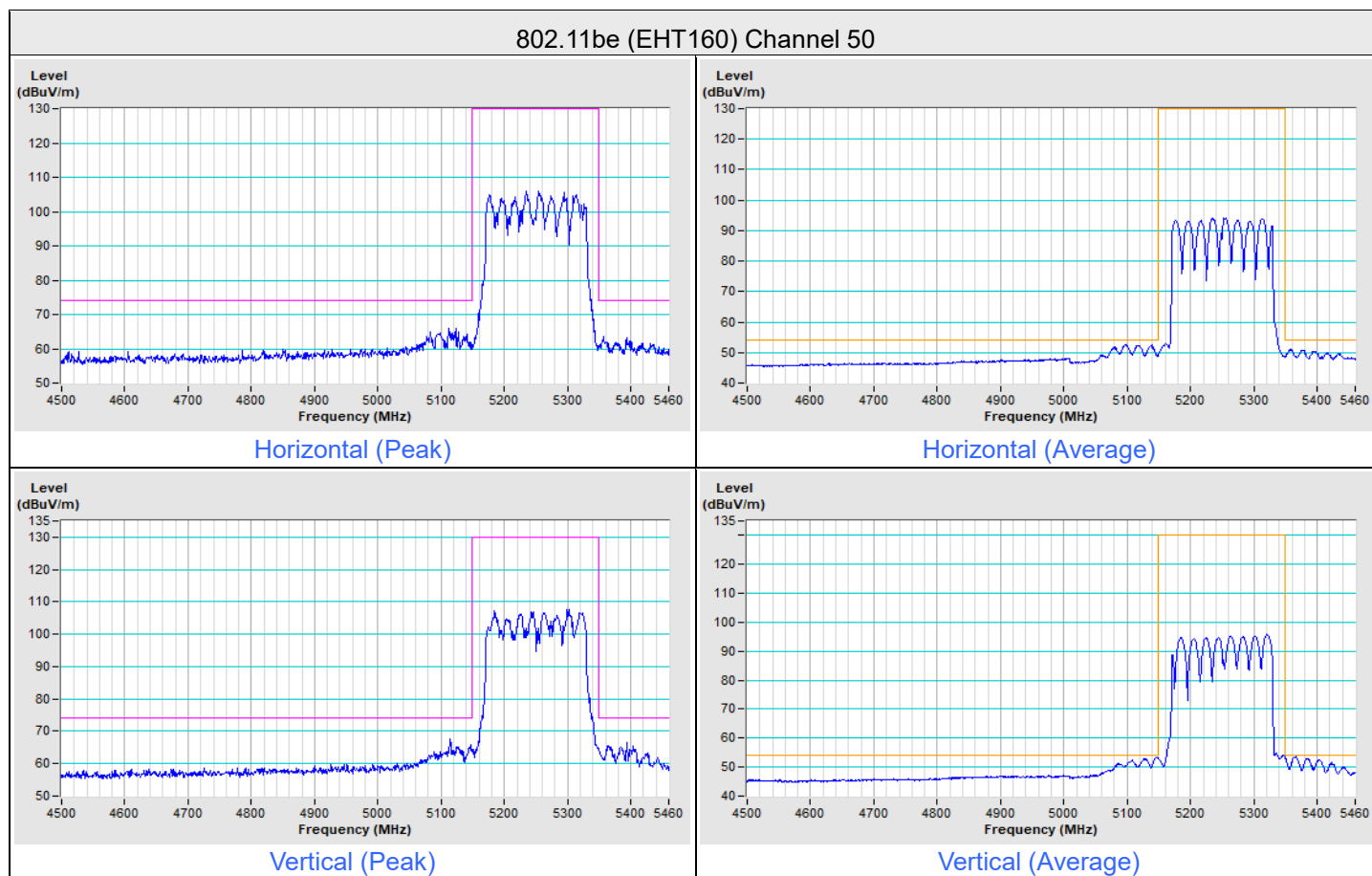


Vertical (Average)

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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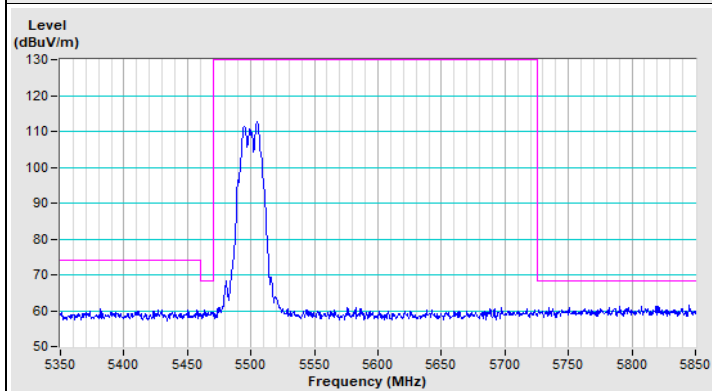
802.11be (EHT80) Channel 58



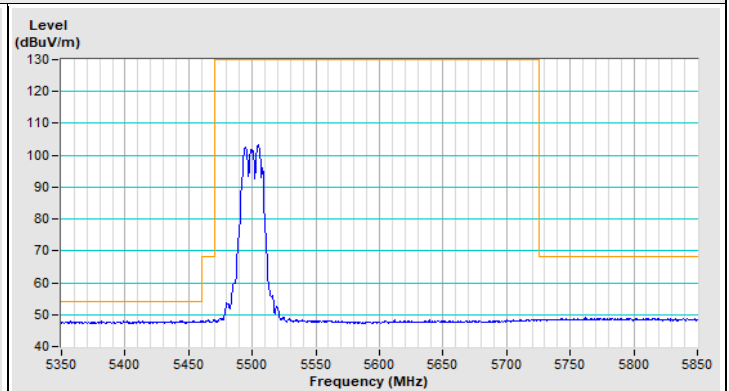


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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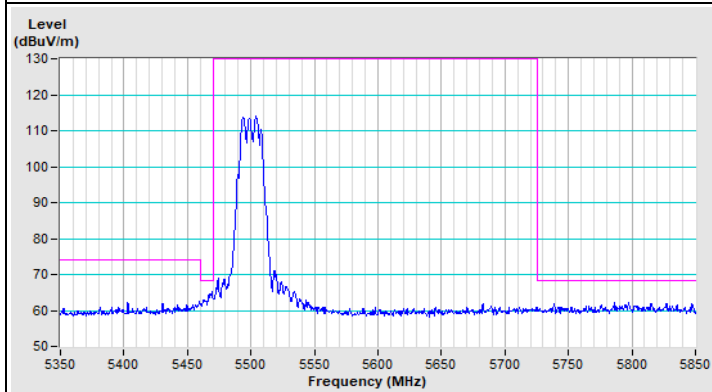
802.11a Channel 100



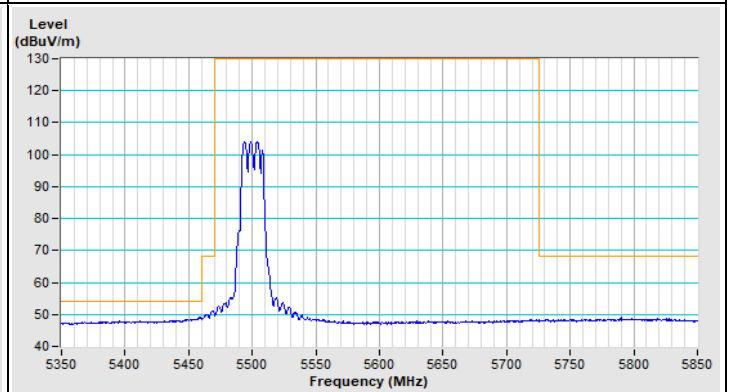
Horizontal (Peak)



Horizontal (Average)

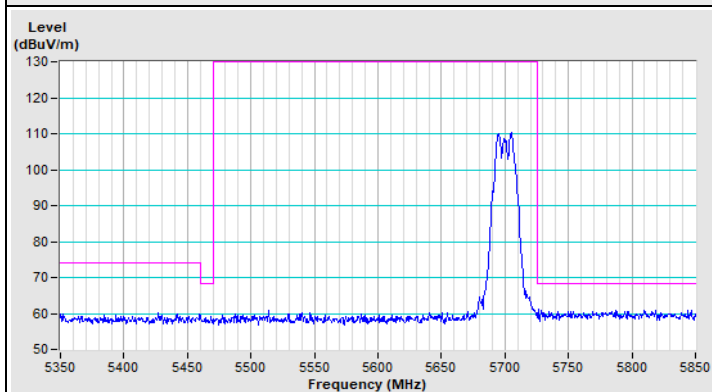


Vertical (Peak)

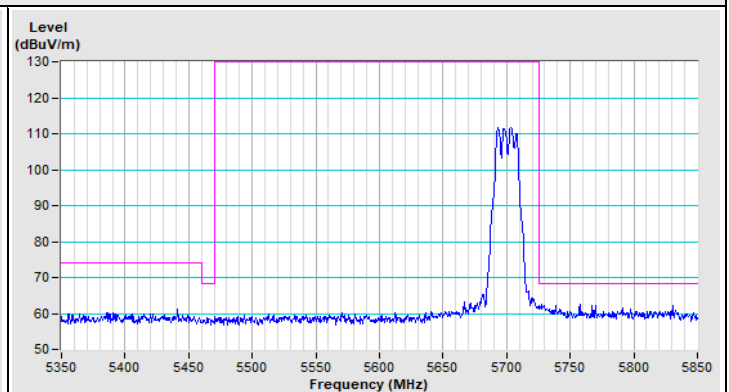


Vertical (Average)

802.11a Channel 140



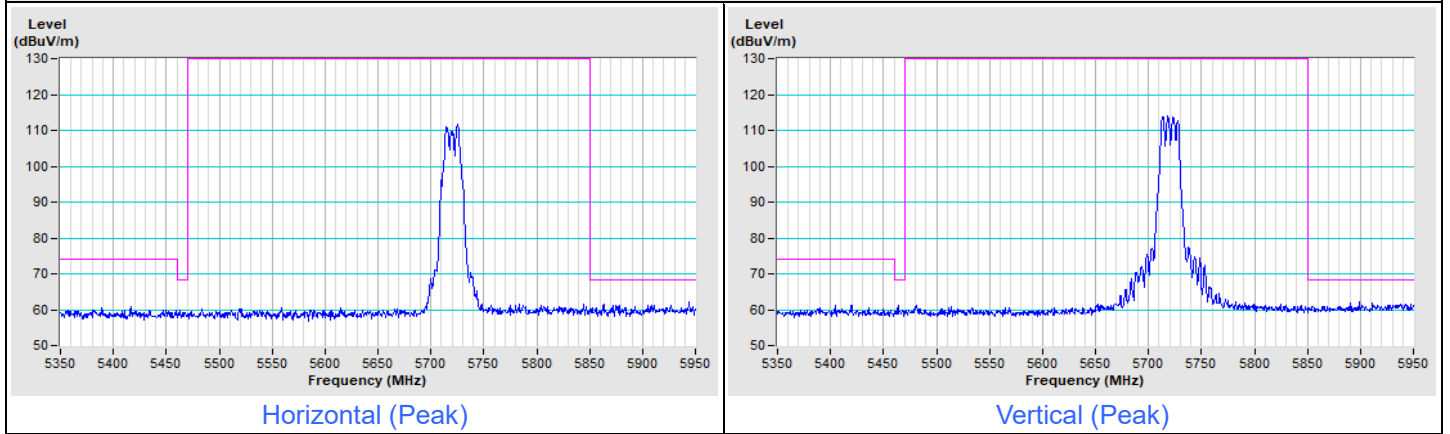
Horizontal (Peak)



Vertical (Peak)

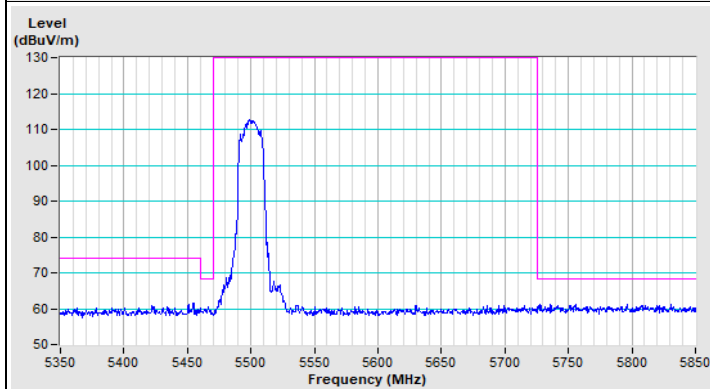
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

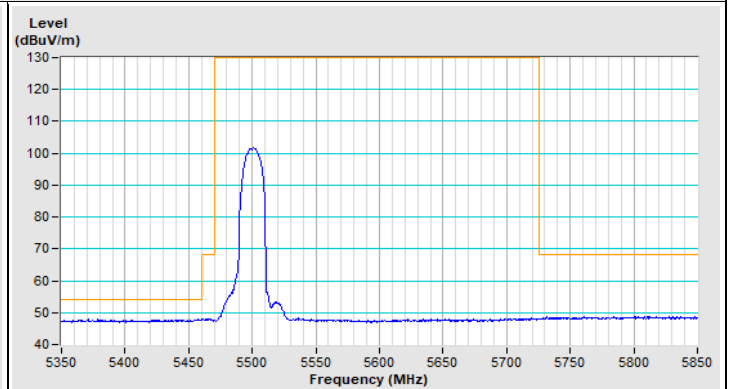


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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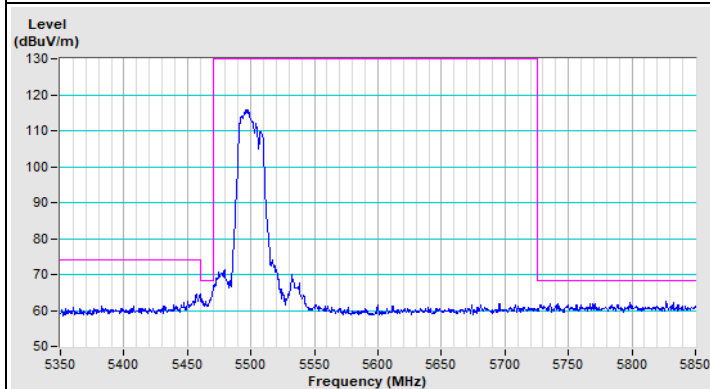
802.11be (EHT20) Channel 100



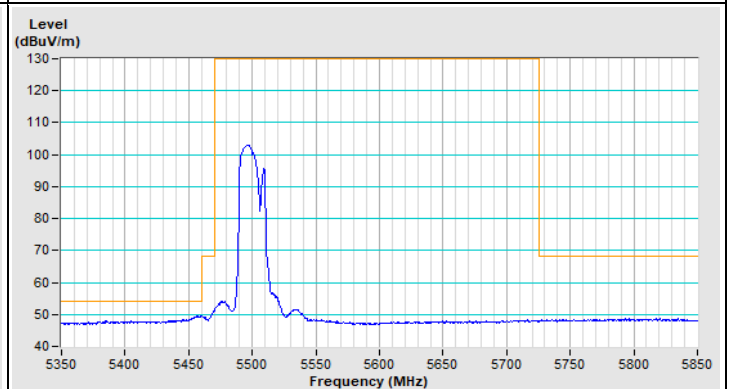
Horizontal (Peak)



Horizontal (Average)

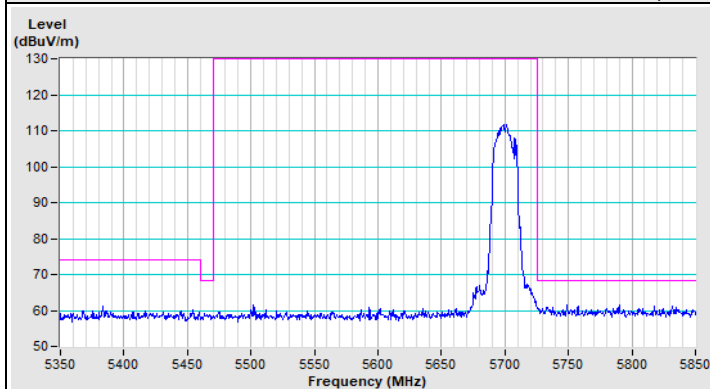


Vertical (Peak)

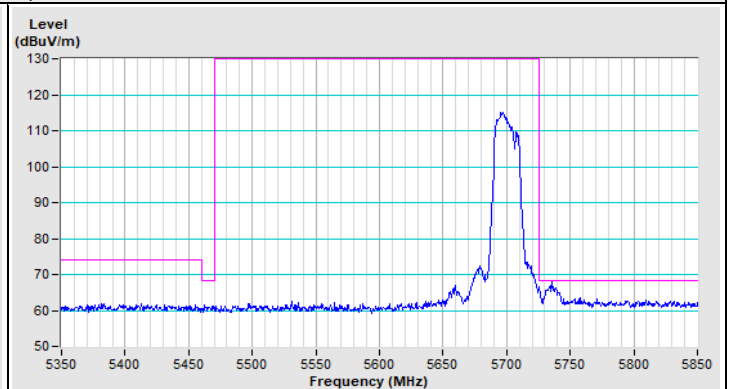


Vertical (Average)

802.11be (EHT20) Channel 140



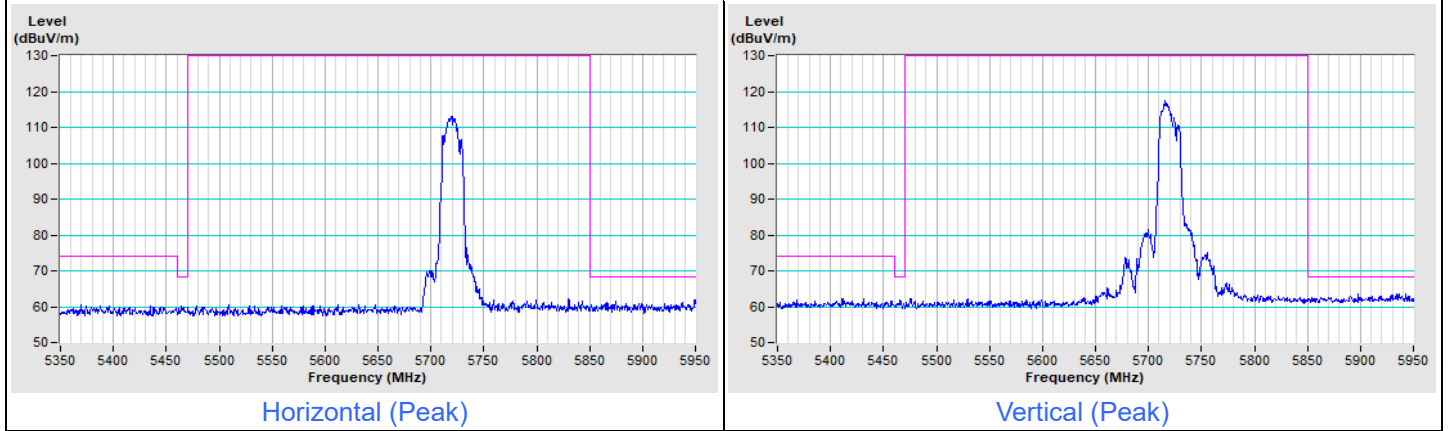
Horizontal (Peak)



Vertical (Peak)

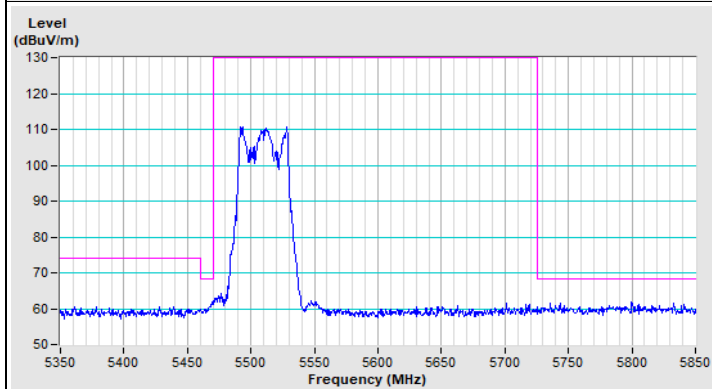
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT20) Channel 144

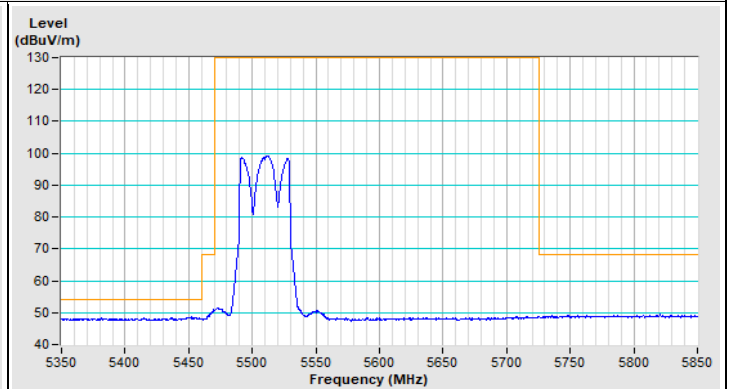


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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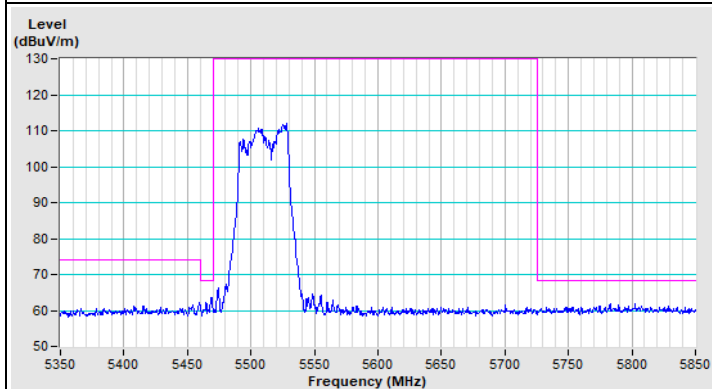
802.11be (EHT40) Channel 102



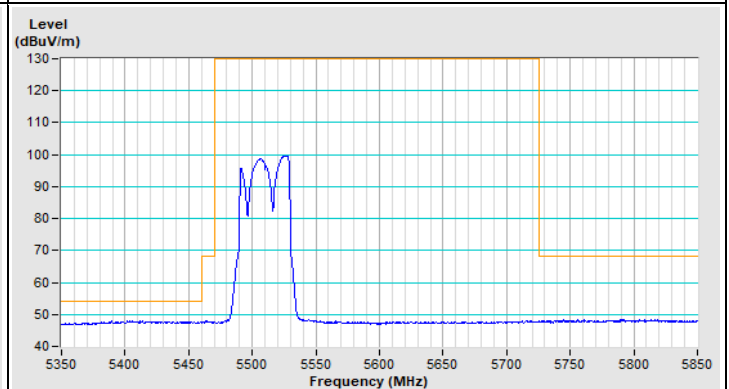
Horizontal (Peak)



Horizontal (Average)

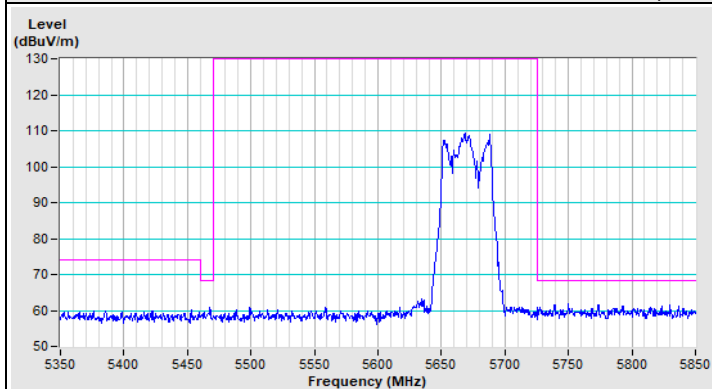


Vertical (Peak)

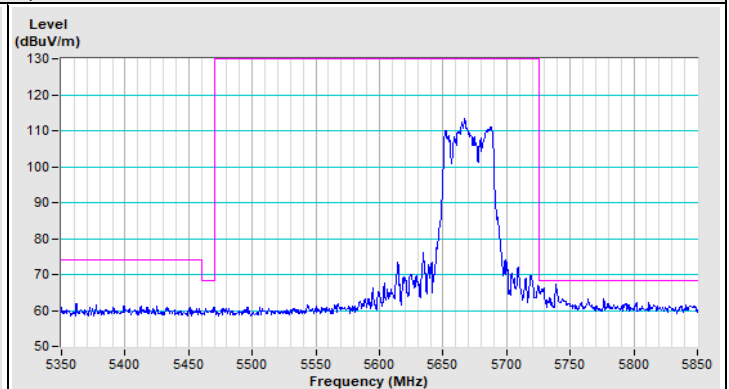


Vertical (Average)

802.11be (EHT40) Channel 134



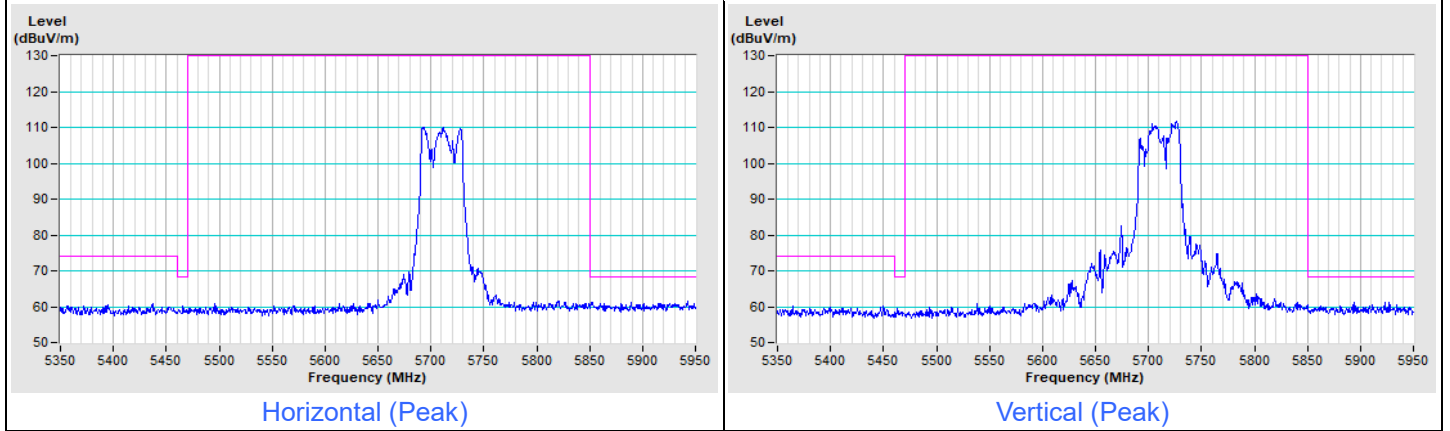
Horizontal (Peak)



Vertical (Peak)

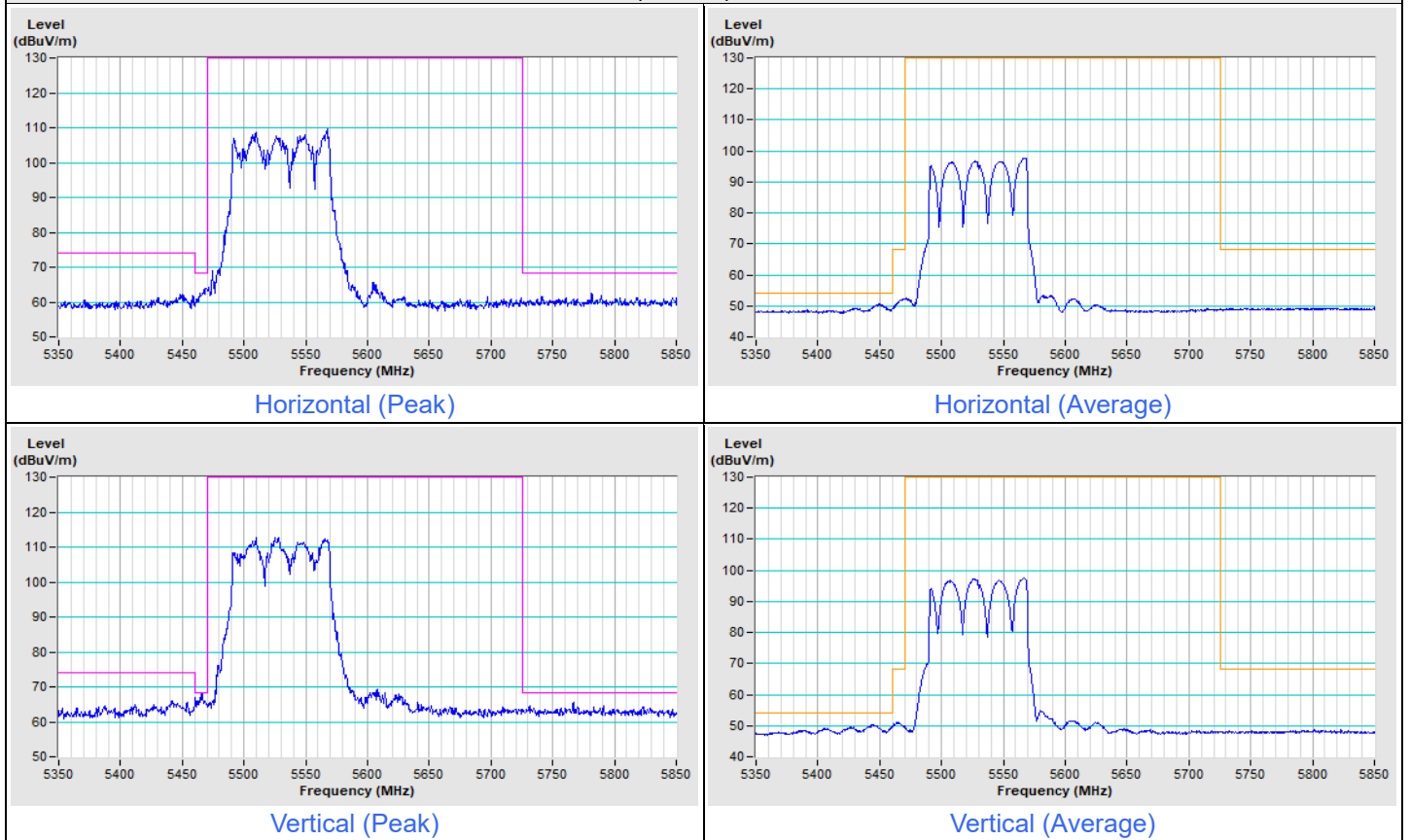
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT40) Channel 142

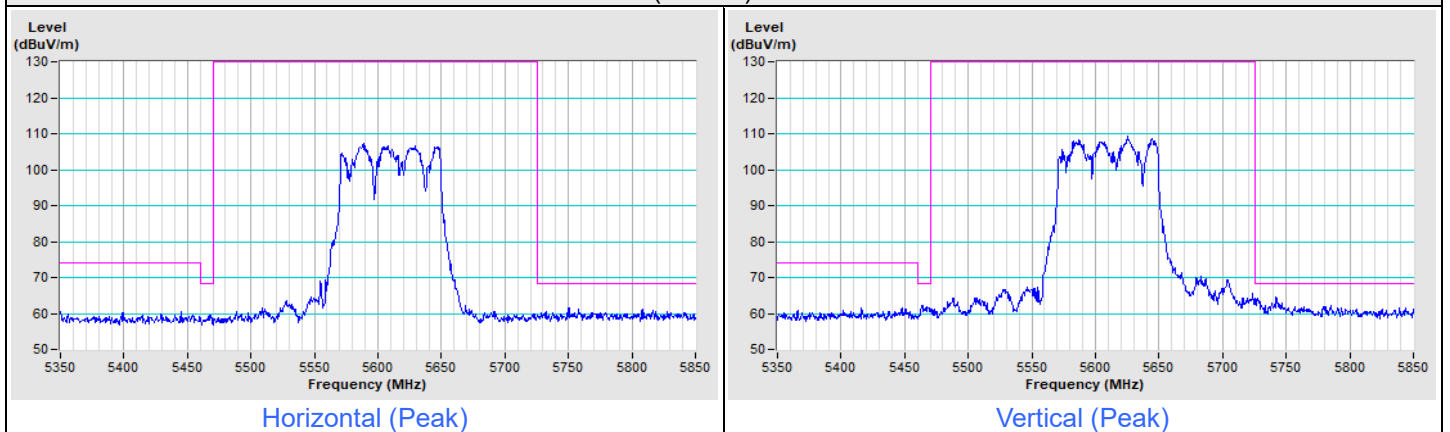


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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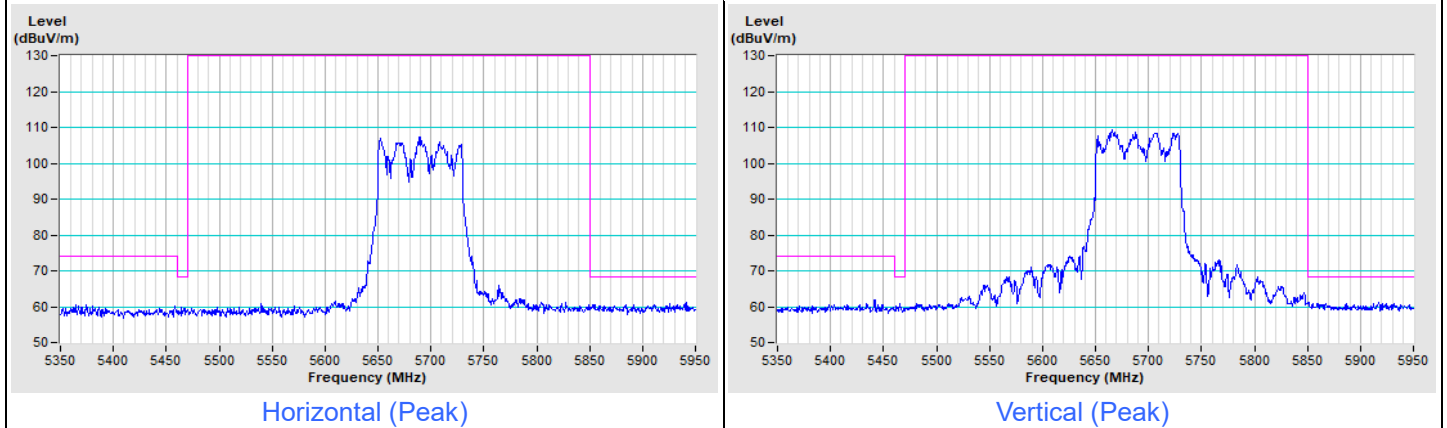
802.11be (EHT80) Channel 106



802.11be (EHT80) Channel 122

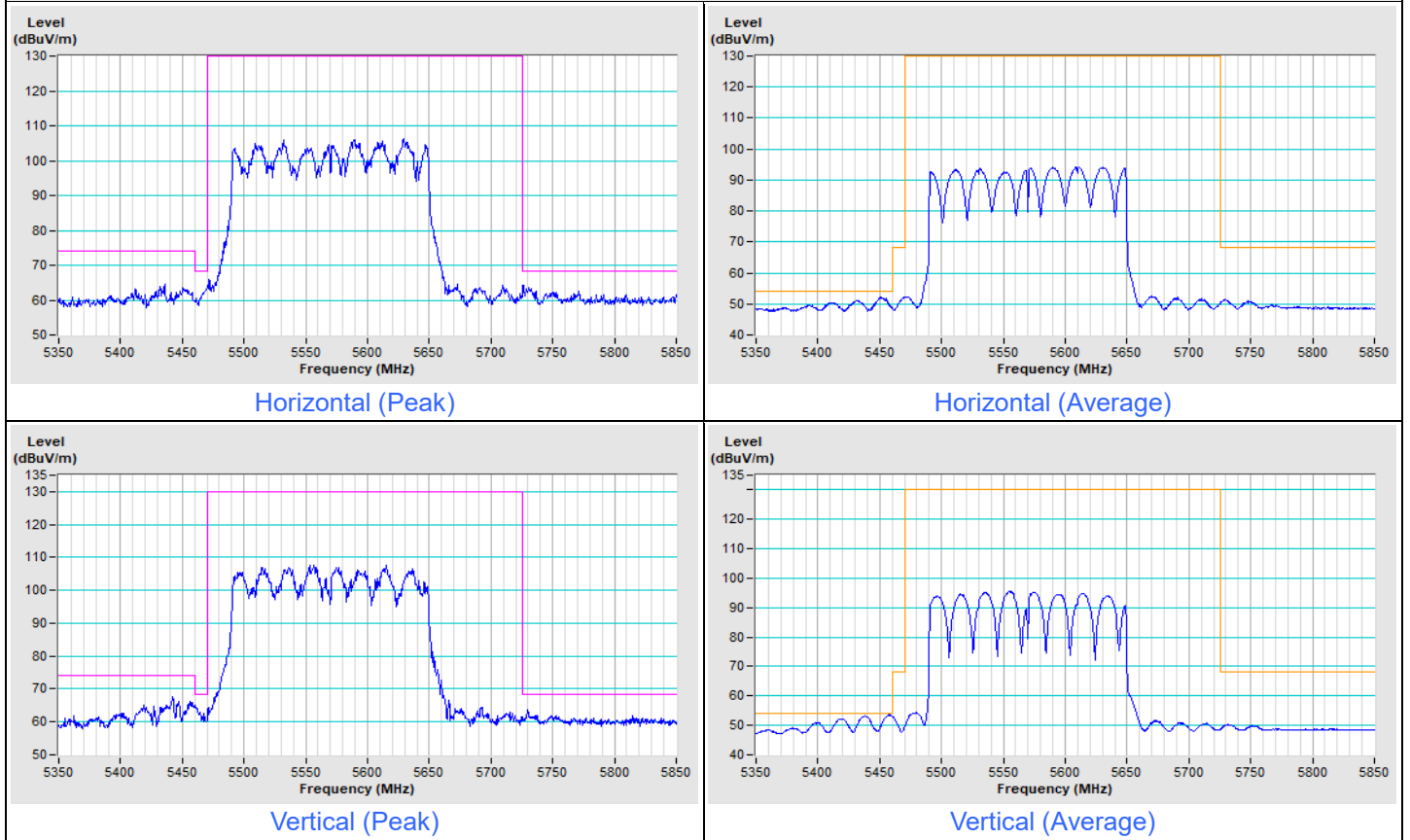


Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT80) Channel 138

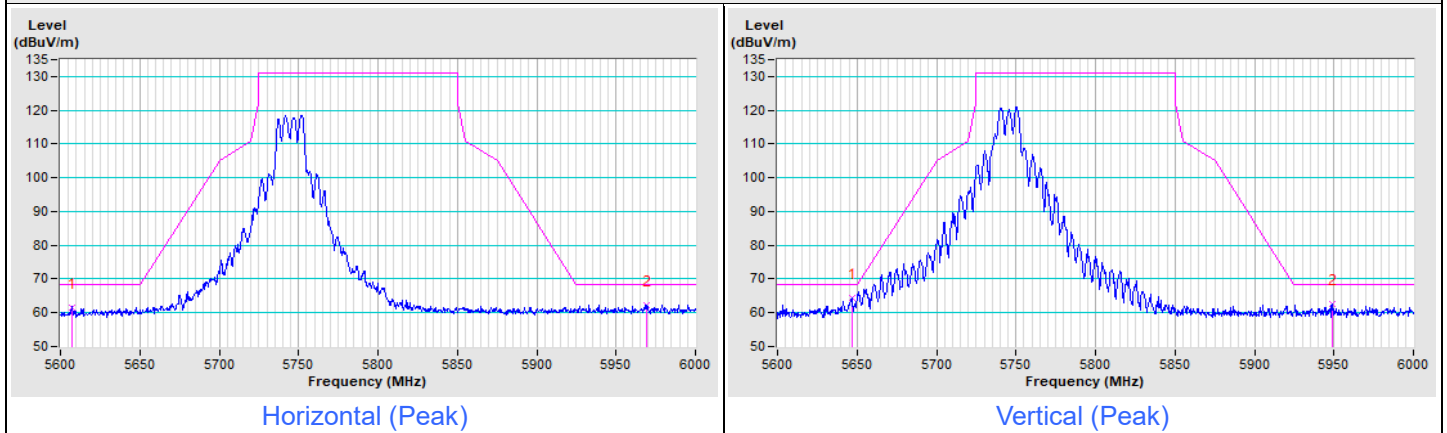
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 114

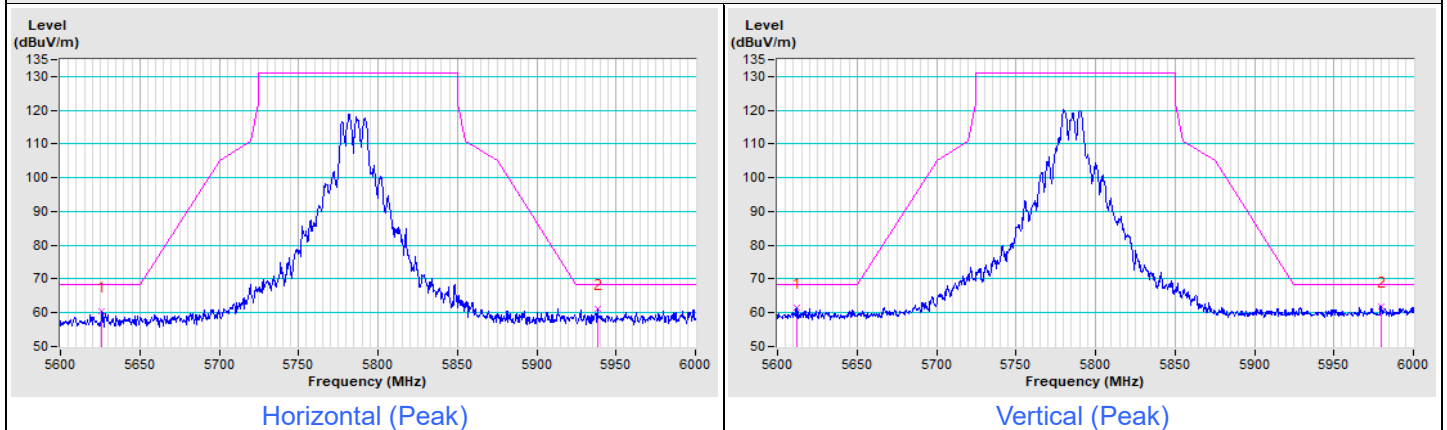


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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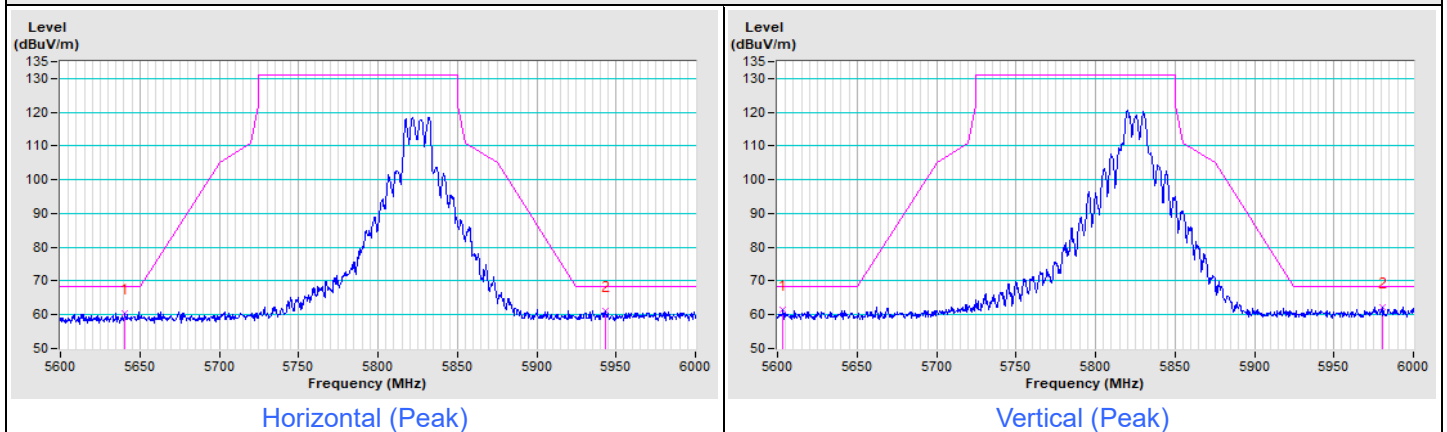
802.11a Channel 149



802.11a Channel 157

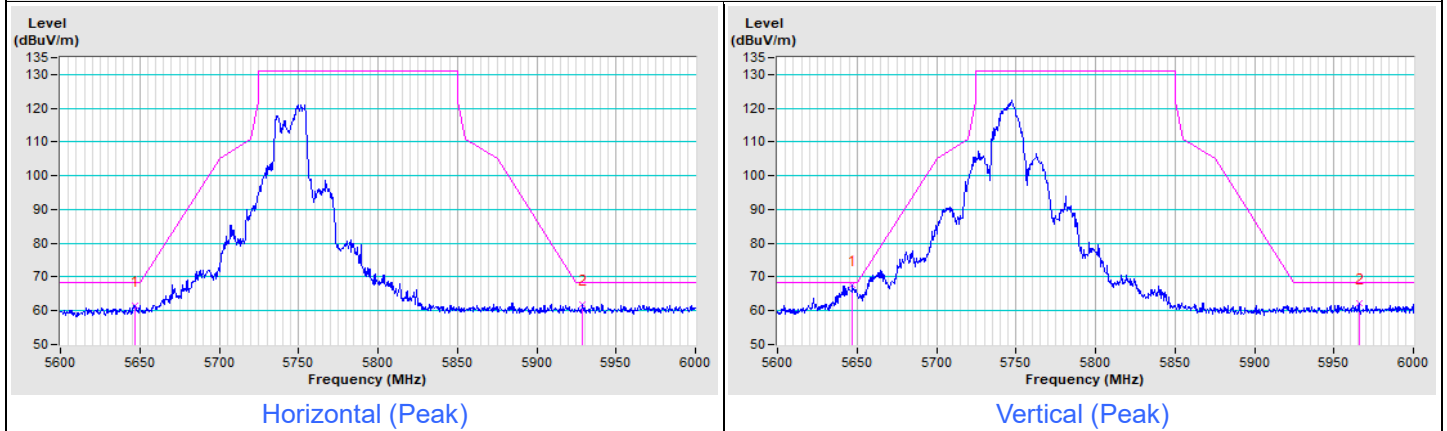


802.11a Channel 165

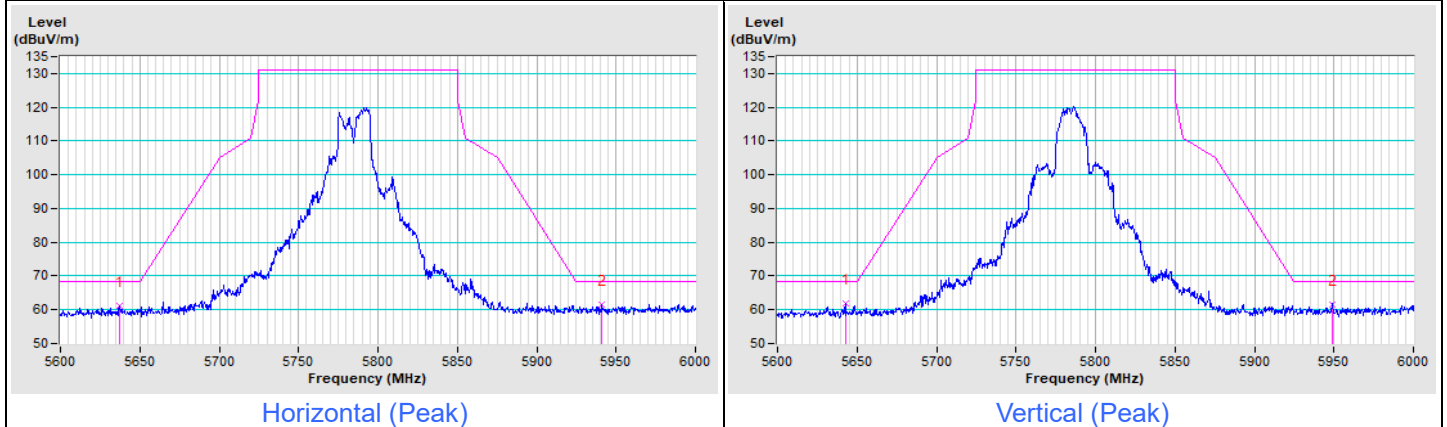


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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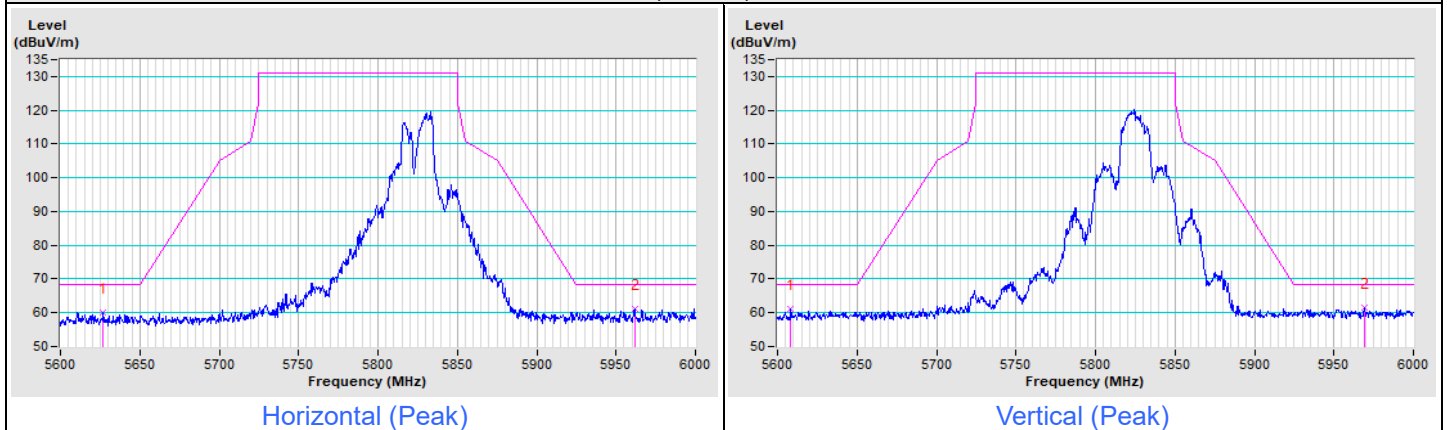
802.11be (EHT20) Channel 149



802.11be (EHT20) Channel 157

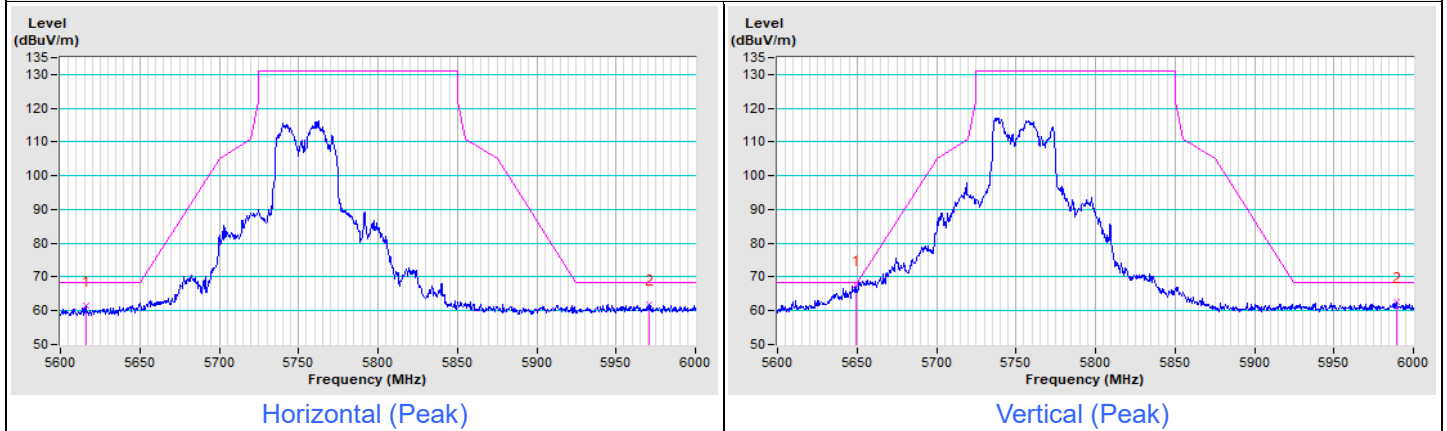


802.11be (EHT20) Channel 165

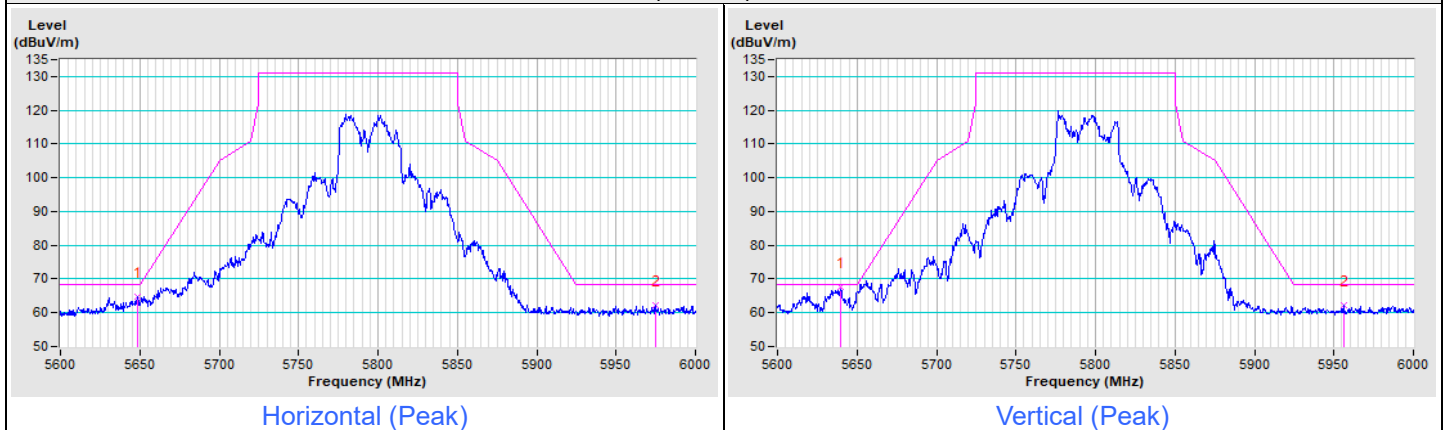


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT40) Channel 151

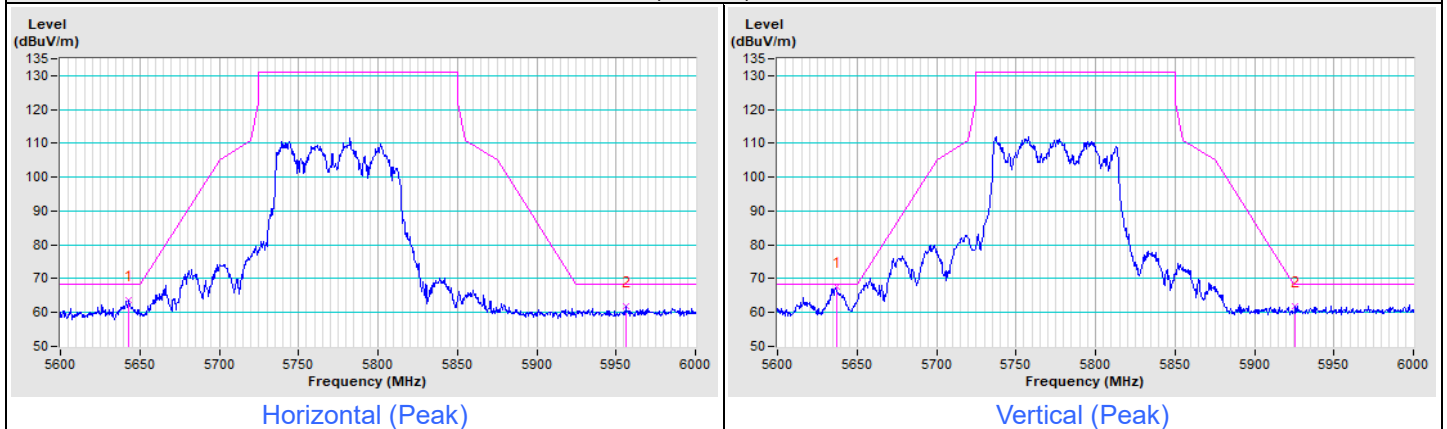


802.11be (EHT40) Channel 159



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



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

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

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

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