

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBBQZ-WTW-P23120041-1
FCC ID: PY323300611
Product: NIGHTHAWK BE9300 WiFi 7 Router, NIGHTHAWK BE9200 WiFi 7 Router,
NIGHTHAWK BE9100 WiFi 7 Router (refer to item 3.1 for more details)
Brand: NETGEAR
Model No.: RS300
Series Model: RS280, RS270 (refer to item 3.1 for more details)
Received Date: 2023/12/4
Test Date: 2023/12/13 ~ 2024/1/27
Issued Date: 2024/2/16

Applicant and Manufacturer: NETGEAR, INC.

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

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FCC Registration /

Designation Number: 788550 / TW0003

Approved by: Jeremy Lin, **Date:** 2024/2/16
Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P23120041-1	Original release.	2024/2/16

1 Certificate

Product: NIGHTHAWK BE9300 WiFi 7 Router, NIGHTHAWK BE9200 WiFi 7 Router,
NIGHTHAWK BE9100 WiFi 7 Router (refer to item 3.1 for more details)

Brand: NETGEAR

Test Model: RS300

Series Model: RS280, RS270 (refer to item 3.1 for more details)

Sample Status: Engineering sample

Applicant and Manufacturer: NETGEAR, INC.

Test Date: 2023/12/13 ~ 2024/1/27

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

Measurement procedure: ANSI C63.10-2013

KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -7.26 dB at 0.42200 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.2 dB at 80.44 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5645.20 and 5725.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 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	NIGHTHAWK BE9300 WiFi 7 Router, NIGHTHAWK BE9200 WiFi 7 Router, NIGHTHAWK BE9100 WiFi 7 Router
Brand	NETGEAR
Test Model	RS300
Series Model	RS280, RS270
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	5.18 GHz ~ 5.25 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 12 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 6 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2
Output Power	5.18 GHz ~ 5.25 GHz : 845.393 mW (29.27 dBm) 5.26 GHz ~ 5.32 GHz : 212.309 mW (23.27 dBm) 5.5 GHz ~ 5.72 GHz : 213.738 mW (23.3 dBm) 5.745 GHz ~ 5.825 GHz : 845.346 mW (29.27 dBm)
EUT Category	Indoor Access Point

Note:

- The following product and models are electrically identical, different model names are for marketing purpose. The model of the RS300 was chosen for final test.

Product	Model	remark
NIGHTHAWK BE9300 WiFi 7 Router	RS300	RS300, RS280 and RS270 are same hardware, just re-model name to sell different channel.
NIGHTHAWK BE9200 WiFi 7 Router	RS280	
NIGHTHAWK BE9100 WiFi 7 Router	RS270	

2. The EUT uses following accessories.

AC Adapter 1			
Brand	Model	Part Number	Specification
NETGEAR	AD2150F10	332-11494-02	AC Input : 100-120V~, 50/60Hz, 1.0A DC Output : 12V, 3.5A DC Output Cable : 1.8m cable without core Plug : US Manufacturer : PI ELECTRONICS (VIETNAM) COMPANY LIMITED
AC Adapter 2			
Brand	Model	Part Number	Specification
NETGEAR	ADS-45FIC-12 12042E	332-11664-02	AC Input : 100-240V~, 50/60Hz, 1.5A DC Output : 12.0V, 3.5A, 42.0W DC Output Cable : 1.8m cable without core Plug : US Manufacturer : VIETNAM HONOR HIGH TECH COMPANY LIMITED
AC Adapter 3			
Brand	Model	Part Number	Specification
NETGEAR	AD2150M20	332-11500-05	AC Input : 100-240V~, 50/60 Hz, 1.0A DC Output : 12V, 3.5A, 42.0W DC Output Cable : 1.8m cable without core Plug : US Manufacturer : PI ELECTRONICS (VIETNAM) COMPANY LIMITED
Ethernet Cable			
Brand		Specification	
NETGEAR		1.96m non-shielded cable without core	

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Option 1

Antenna No.	Gain (dBi)					Antenna Type	Connector Type
	5150 MHz	5350 MHz	5550 MHz	5750 MHz	5850 MHz		
DB 0	1.98	2.97	2.95	2.56	2.73	Dipole	ipex(MHF)
DB 1	1.83	2.75	2.98	2.85	2.93	Dipole	ipex(MHF)

Option 2

Antenna No.	Gain (dBi)					Antenna Type	Connector Type
	5150 MHz	5350 MHz	5550 MHz	5750 MHz	5850 MHz		
DB 0	1.98	2.97	2.95	2.56	2.73	Dipole	ipex(MHF)
DB 1	1.83	2.75	2.98	2.85	2.93	Dipole	ipex(MHF)

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

2. The EUT incorporates a MIMO function:

5 GHz Band			
Modulation Mode	Beamforming Mode	TX & RX Configuration	
802.11a	Not Support	2TX	2RX
802.11n (HT20)	Support	2TX	2RX
802.11n (HT40)	Support	2TX	2RX
802.11ac (VHT20)	Support	2TX	2RX
802.11ac (VHT40)	Support	2TX	2RX
802.11ac (VHT80)	Support	2TX	2RX
802.11ac (VHT160)	Support	2TX	2RX
802.11ax (HE20)	Support	2TX	2RX
802.11ax (HE40)	Support	2TX	2RX
802.11ax (HE80)	Support	2TX	2RX
802.11ax (HE160)	Support	2TX	2RX
802.11be (EHT20)	Support	2TX	2RX
802.11be (EHT40)	Support	2TX	2RX
802.11be (EHT80)	Support	2TX	2RX
802.11be (EHT160)	Support	2TX	2RX

Note:

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

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	The AC Adapter has the following models: AC adapter 1 ~ 3. Pre-scan these models of AC Adapters and find the worst case as a representative test condition.
Worst Case:	1. The worst case: Adapter 1. 2. The EUT is usually used standing that and was therefore chosen for Unwanted Emissions.

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

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Occupied Bandwidth	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
Frequency Stability	A	802.11a	-	36	un-modulation	-
AC Power Conducted Emissions	A, B, C	802.11a	CDD	40	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B, C	802.11a	CDD	40	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
EUT Configure Mode:	A	Power from Adapter 1: AD2150F10				
	B	Power from Adapter 2: ADS-45FIC-12 12042E				
	C	Power from Adapter 3: AD2150M20				

3.5 Duty Cycle of Test Signal

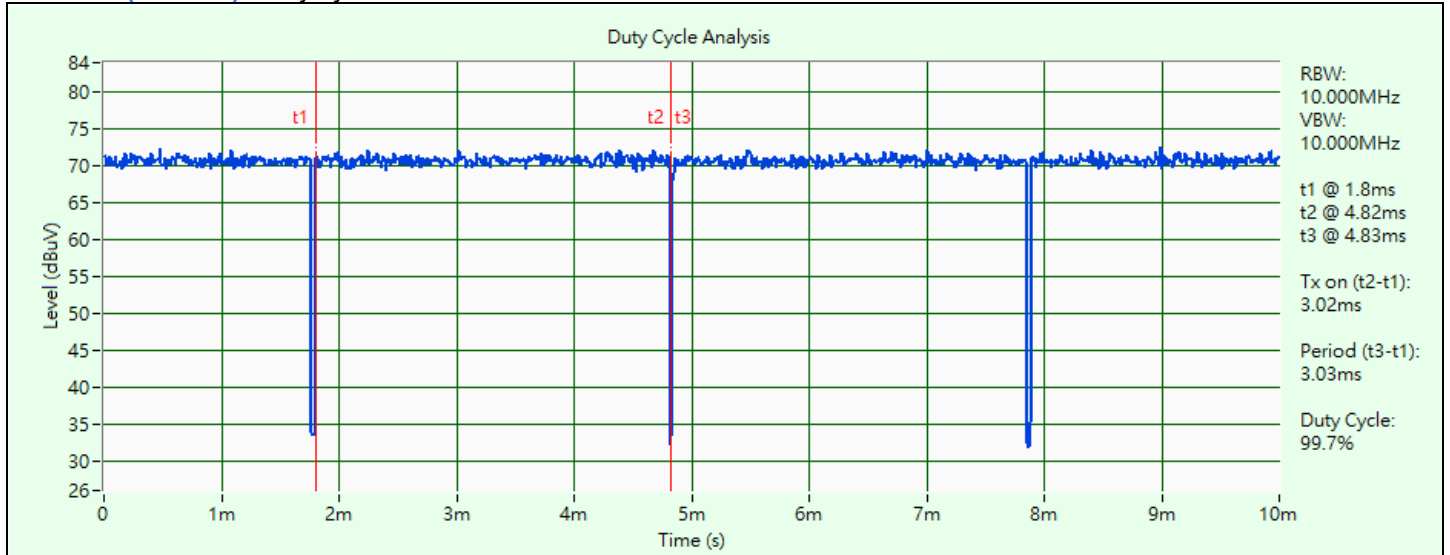
802.11a: Duty cycle = 3.02 ms / 3.03 ms x 100% = 99.7%

802.11be (EHT20): Duty cycle = 2.88 ms / 2.89 ms x 100% = 99.7%

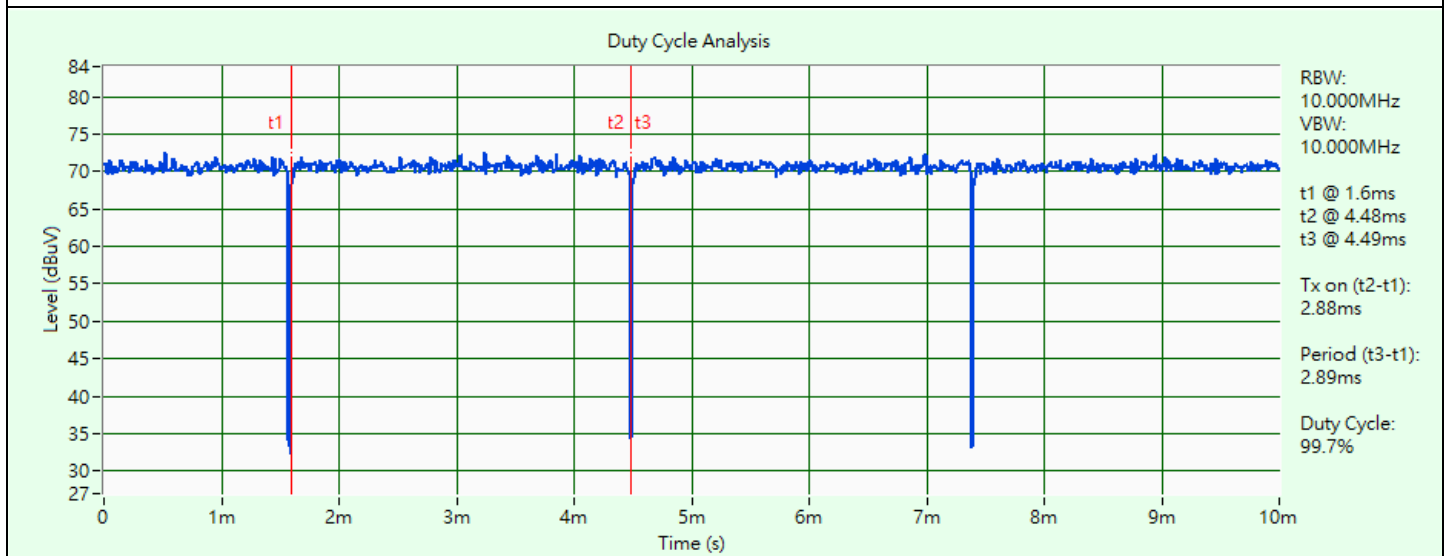
802.11be (EHT40): Duty cycle = 2.86 ms / 2.87 ms x 100% = 99.7%

802.11be (EHT80): Duty cycle = 2.86 ms / 2.87 ms x 100% = 99.7%

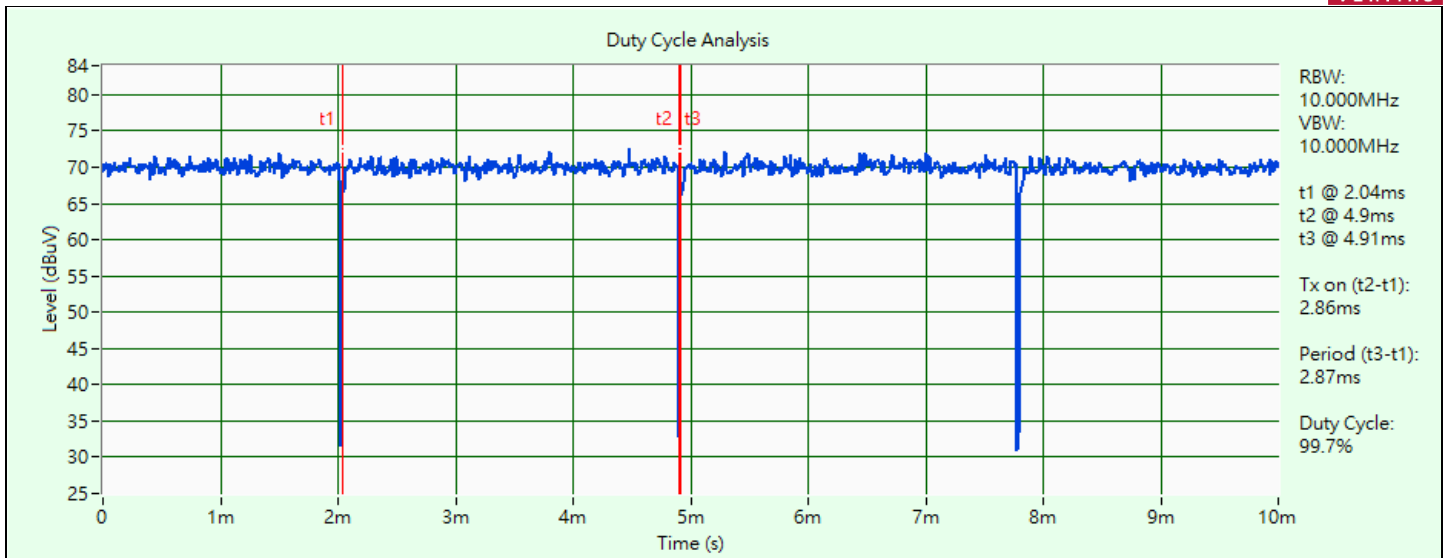
802.11be (EHT160): Duty cycle = 2.86 ms / 2.87 ms x 100% = 99.7%



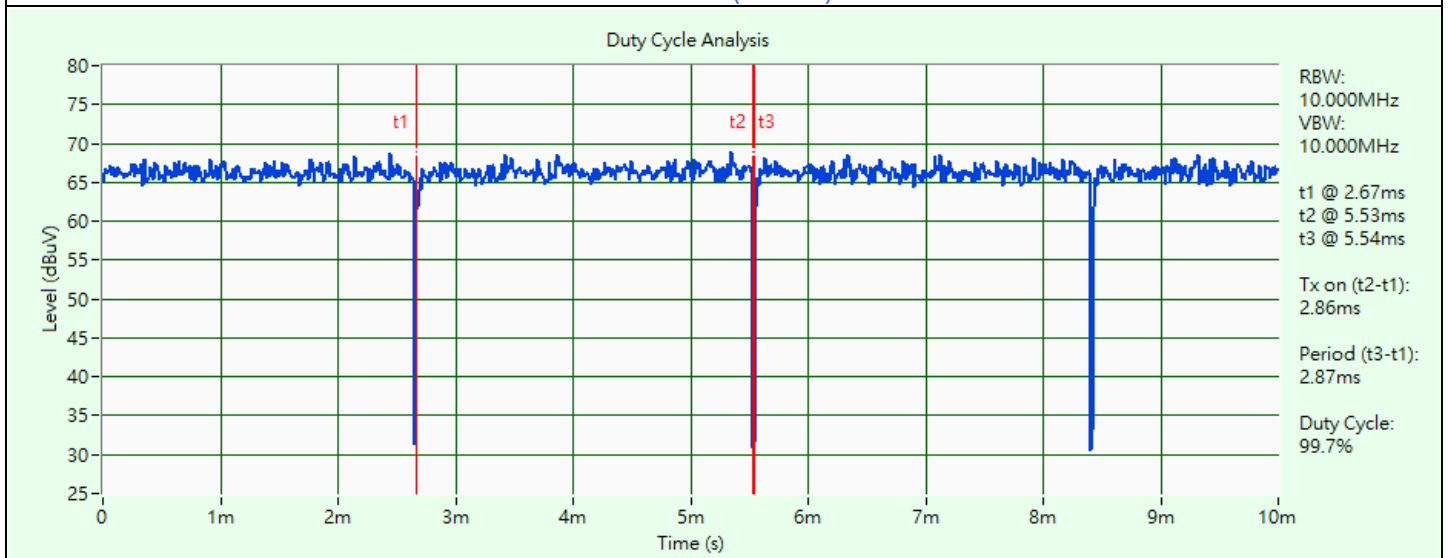
802.11a



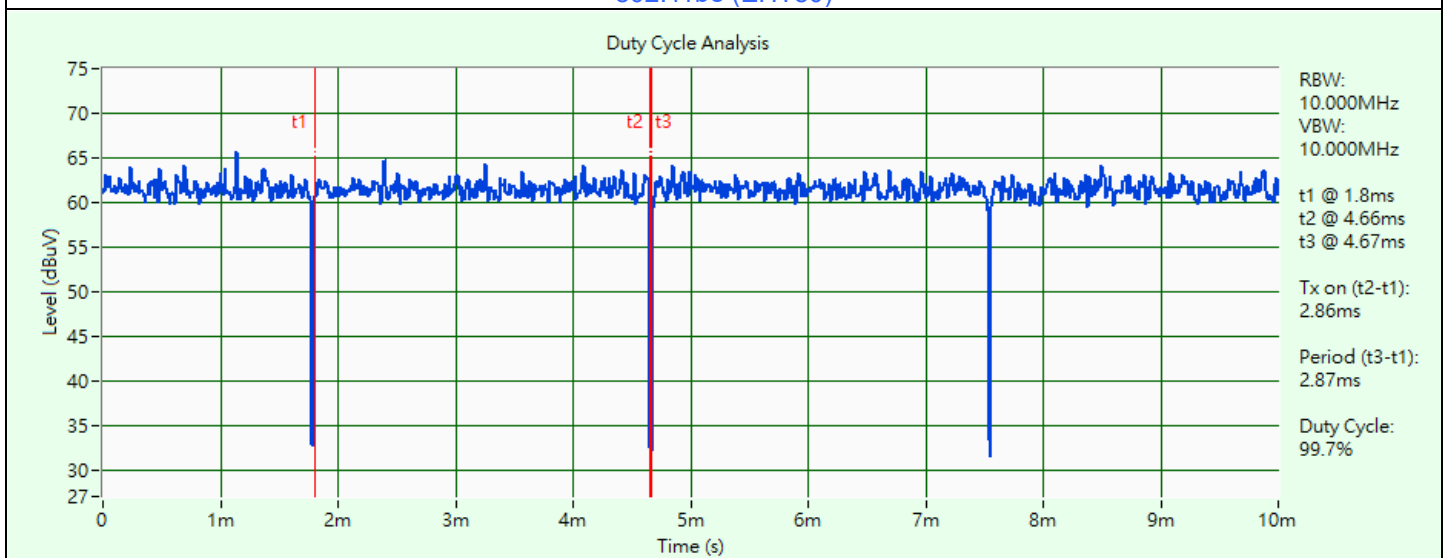
802.11be (EHT20)



802.11be (EHT40)



802.11be (EHT80)

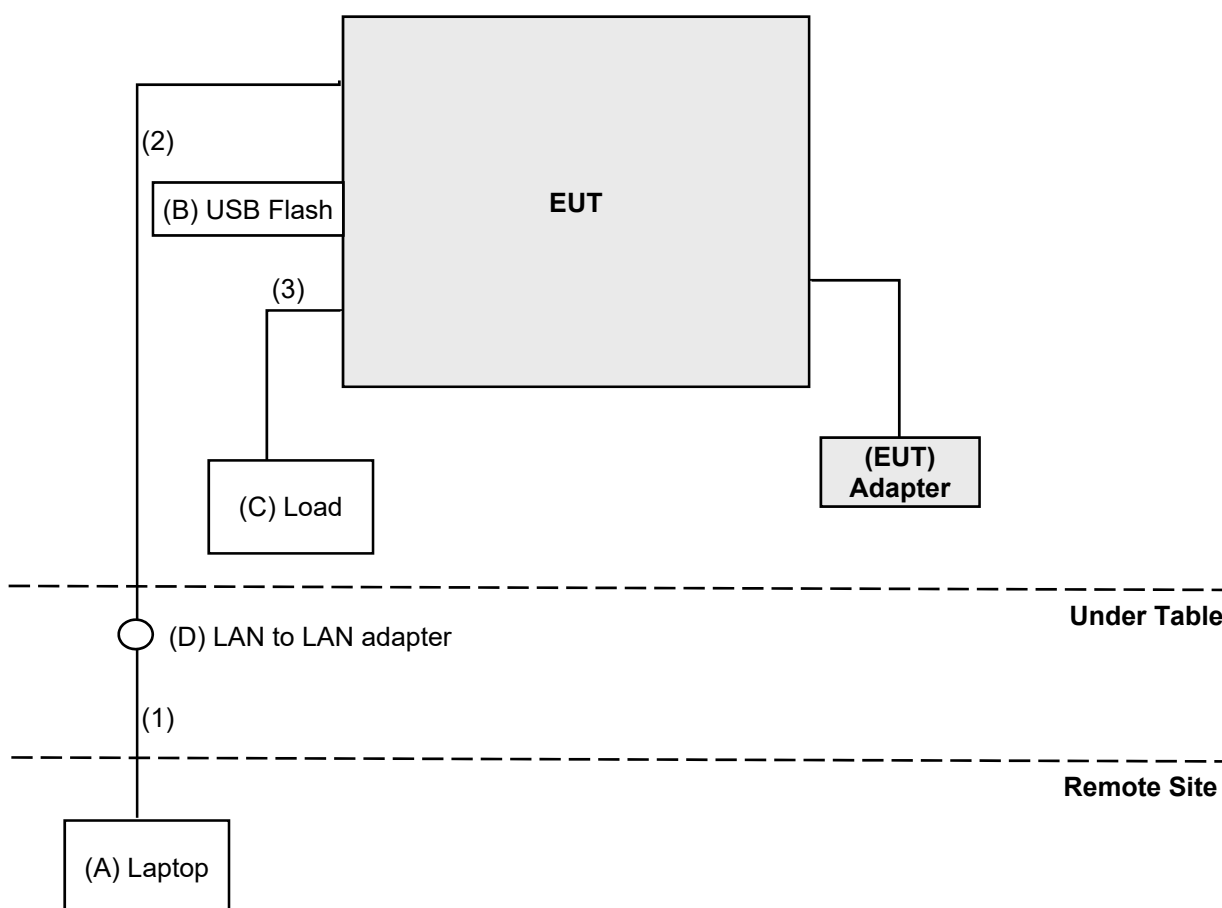


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software accessMTool_REL_3_3_0_6 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	NA	Provided by Lab
B	USB Flash	SanDisk	NA	NA	NA	Provided by Lab
C	Load	NA	NA	NA	NA	Provided by Lab
D	LAN to LAN adapter	NA	NA	NA	NA	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ45 Cable	1	10	No	0	Provided by Lab
2	RJ45 Cable	1	1.96	No	0	Accessory of EUT
3	RJ45 Cable	4	1.5	No	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

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

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/27

4.2 RF Output Power

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

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/27

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

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

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/27

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	2023/3/23	2024/3/22
	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_ V7.3.7.4	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2024/1/27

4.8 Unwanted Emissions below 1 GHz

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

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/1/26 ~ 2024/1/27

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170241	2023/10/16	2024/10/15
		BBHA9170243	2023/11/12	2024/11/11
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
Preamplifier Keysight	83017A	MY53270295	2023/5/7	2024/5/6
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2023/5/7	2024/5/6
	Sucoflex 104	MY 13380+295012/04	2023/5/7	2024/5/6
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13	2024/4/12
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2023/12/13 ~ 2024/1/16

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.

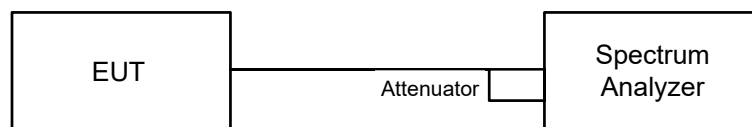
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

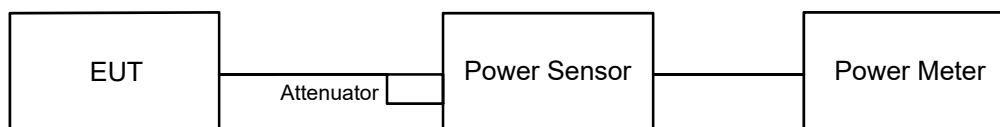


6.1.2 Test Procedure

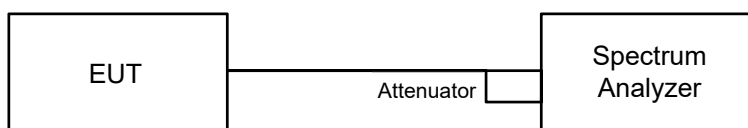
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

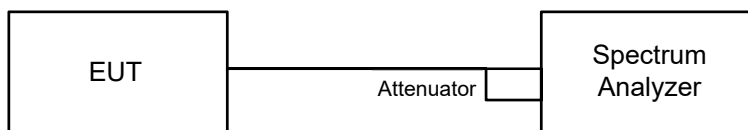
Method SA-1

- 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 RBW / 2, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

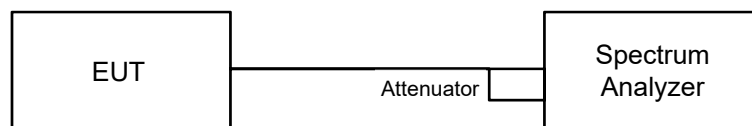
For specified measurement bandwidth 500 kHz:

Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

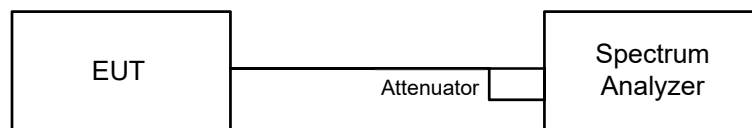


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

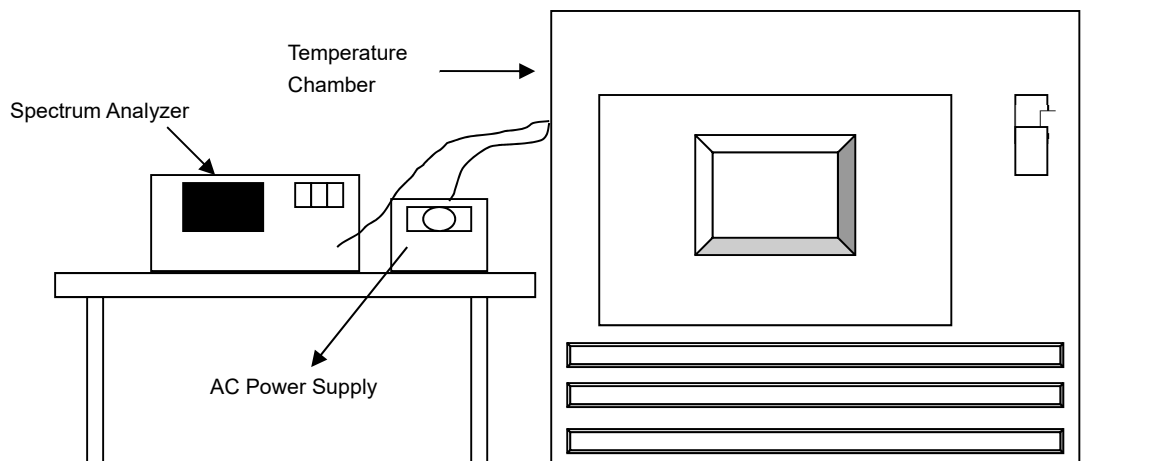


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

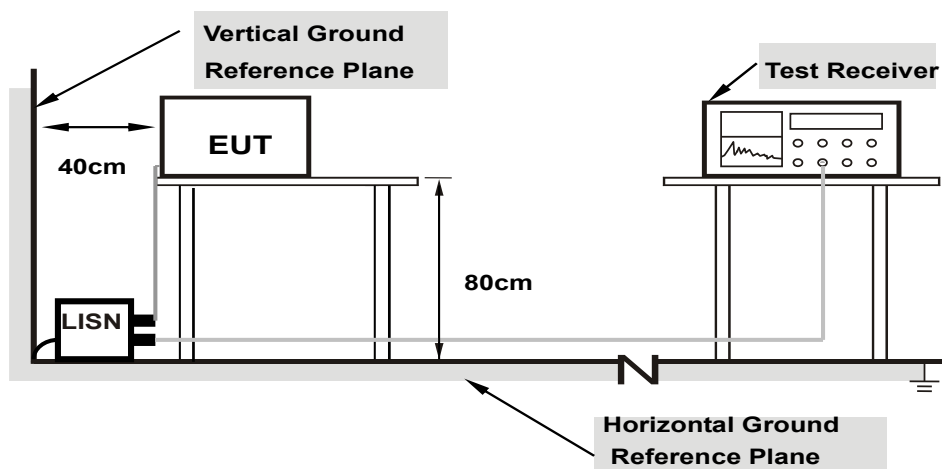


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

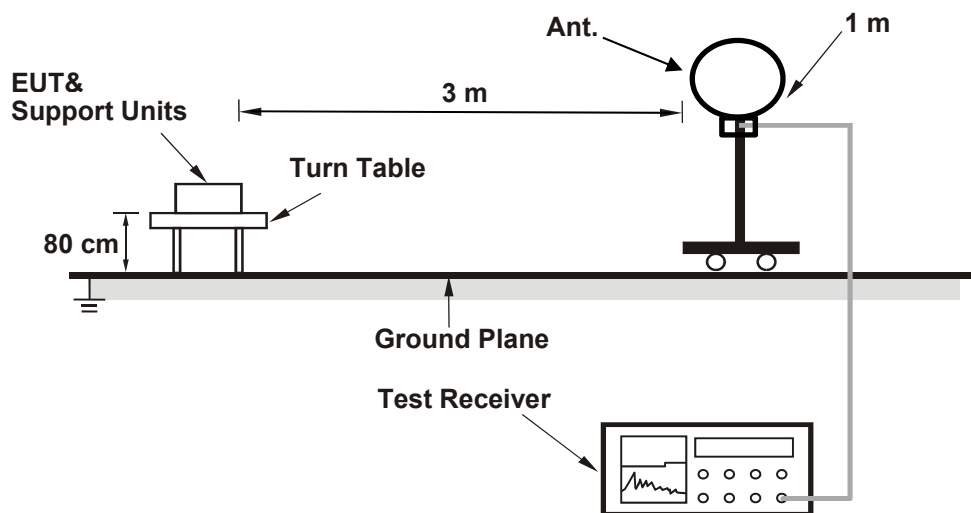
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

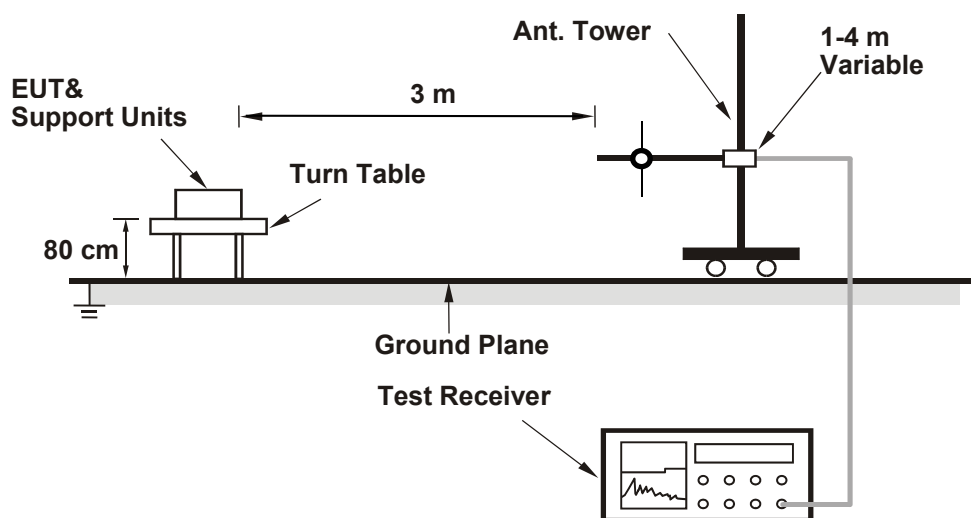
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

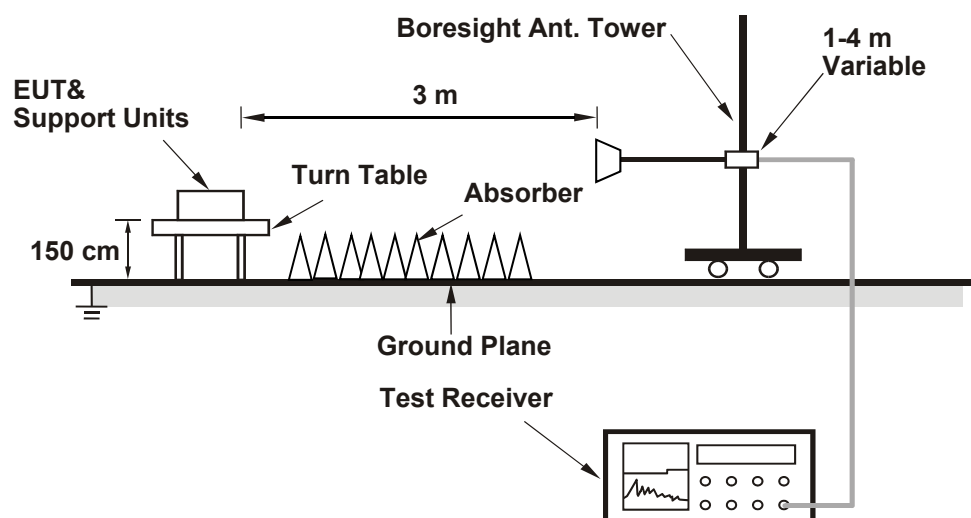
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	27.52	23.97
60	5300	23.33	24.91
64	5320	27.53	25.19
100	5500	24.66	27.06
116	5580	23.90	22.84
140	5700	21.77	21.79
144 (U-NII-2C)	5720	16.82	19.07
144 (U-NII-3)	5720	6.73	7.72

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	23.97	24.79 > 24
60	5300	23.33	24.67 > 24
64	5320	25.19	25.01 > 24
100	5500	24.66	24.91 > 24
116	5580	22.84	24.58 > 24
140	5700	21.77	24.37 > 24
144 (U-NII-2C)	5720	16.82	23.25 < 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	24.81	30.89
60	5300	29.06	28.96
64	5320	28.64	31.31
100	5500	27.41	32.16
116	5580	26.05	26.29
140	5700	21.95	21.93
144 (U-NII-2C)	5720	17.88	21.01
144 (U-NII-3)	5720	9.67	10.86

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	24.81	24.94 > 24
60	5300	28.96	25.61 > 24
64	5320	28.64	25.56 > 24
100	5500	27.41	25.37 > 24
116	5580	26.05	25.15 > 24
140	5700	21.93	24.41 > 24
144 (U-NII-2C)	5720	17.88	23.52 < 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	51.16	44.42
62	5310	52.03	46.63
102	5510	50.17	51.63
110	5550	49.04	48.85
134	5670	48.16	45.42
142 (U-NII-2C)	5710	37.57	40.71
142 (U-NII-3)	5710	8.21	6.93

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	44.42	27.47 > 24
62	5310	46.63	27.68 > 24
102	5510	50.17	28 > 24
110	5550	48.85	27.88 > 24
134	5670	45.42	27.57 > 24
142 (U-NII-2C)	5710	37.57	26.74 > 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	93.52	86.08
106	5530	89.06	108.02
122	5610	84.87	84.46
138 (U-NII-2C)	5690	89.41	84.72
138 (U-NII-3)	5690	7.12	6.98

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	86.08	30.34 > 24
106	5530	89.06	30.49 > 24
122	5610	84.46	30.26 > 24
138 (U-NII-2C)	5690	84.72	30.27 > 24

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

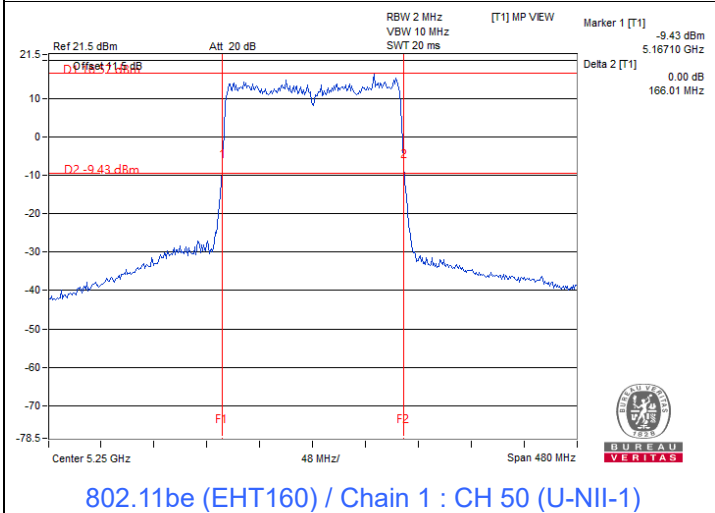
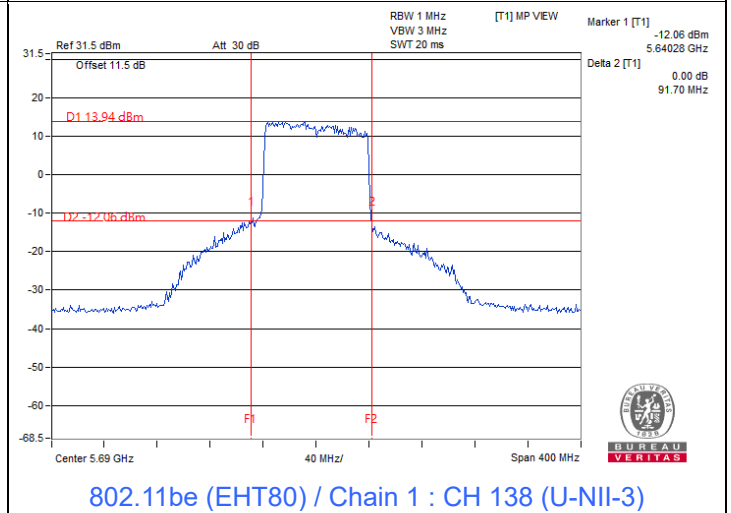
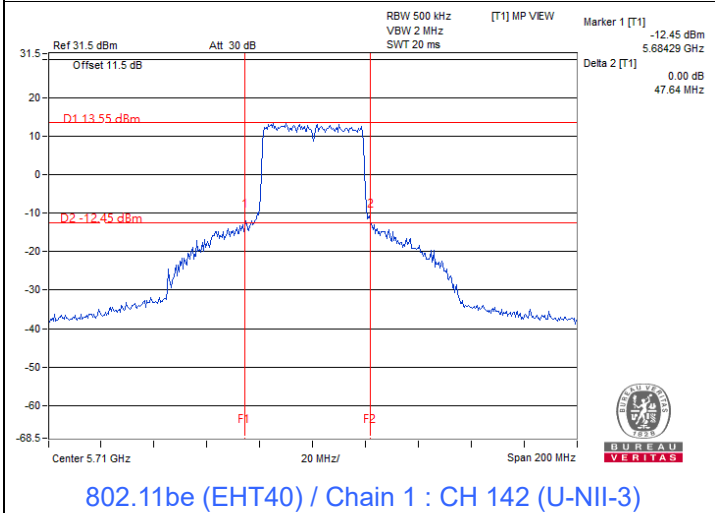
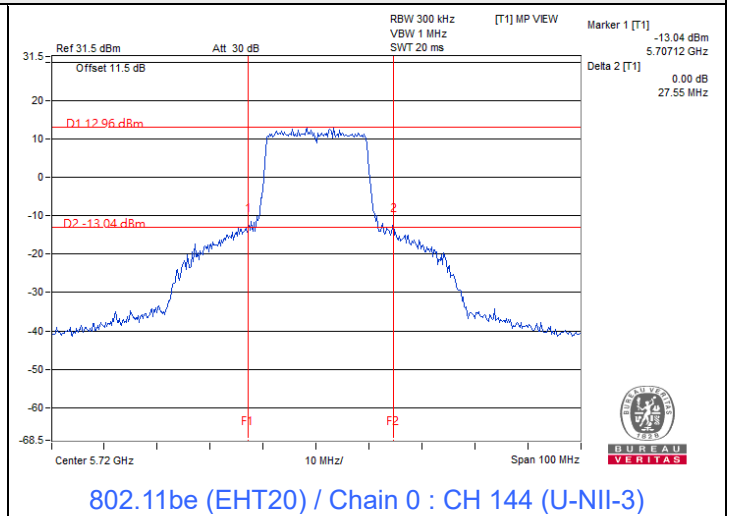
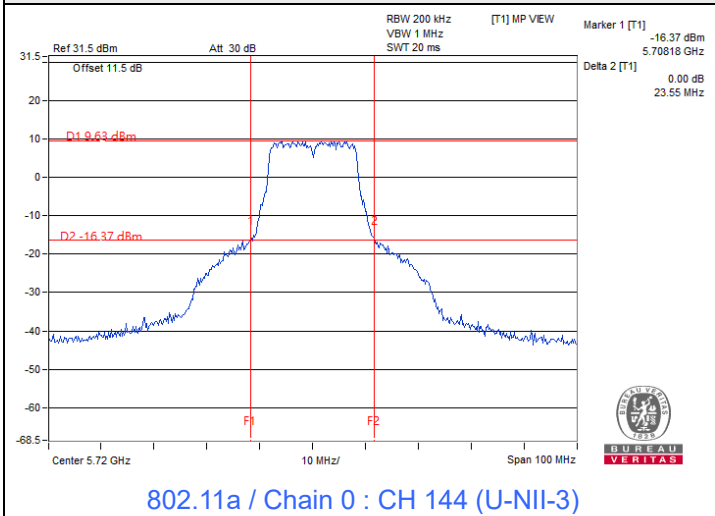
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.28	82.90
50 (U-NII-2A)	5250	83.83	83.11
114	5570	165.37	165.22

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	83.11	30.19 > 24
114	5570	165.22	33.18 > 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:	Jisyong Wang
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	22.41	22.58	355.315	25.51	30	Pass
40	5200	26.21	26.31	845.393	29.27	30	Pass
48	5240	26.02	26.44	840.5	29.25	30	Pass
52	5260	20.07	20.24	207.307	23.17	24	Pass
60	5300	20.02	20.26	206.631	23.15	24	Pass
64	5320	19.96	20.25	205.009	23.12	24	Pass
100	5500	19.85	20.55	210.106	23.22	24	Pass
116	5580	19.65	20.51	204.718	23.11	24	Pass
140	5700	18.36	19.18	151.343	21.80	24	Pass
*144 (U-NII-2C)	5720	17.73	18.90	136.917	21.36	23.25	Pass
*144 (U-NII-3)	5720	12.18	12.61	34.759	15.41	30	Pass
149	5745	26.09	26.31	834.006	29.21	30	Pass
157	5785	26.14	26.37	844.661	29.27	30	Pass
165	5825	25.61	26.45	805.485	29.06	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 1.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.97 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.93 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	24.52	24.51	565.627	27.53	30	Pass
40	5200	25.97	26.33	824.903	29.16	30	Pass
48	5240	25.93	26.31	819.305	29.13	30	Pass
52	5260	20.19	20.25	210.397	23.23	24	Pass
60	5300	20.06	20.45	212.309	23.27	24	Pass
64	5320	20.05	20.35	209.551	23.21	24	Pass
100	5500	20.01	20.46	211.404	23.25	24	Pass
116	5580	20.02	20.25	206.387	23.15	24	Pass
140	5700	18.56	18.95	150.303	21.77	24	Pass
*144 (U-NII-2C)	5720	17.63	18.78	133.452	21.25	23.52	Pass
*144 (U-NII-3)	5720	12.27	12.89	36.319	15.60	30	Pass
149	5745	25.76	26.58	831.692	29.20	30	Pass
157	5785	26.17	26.27	837.643	29.23	30	Pass
165	5825	25.56	26.48	804.381	29.05	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 1.98 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.97 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.98 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.93 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	22.43	22.02	334.206	25.24	30	Pass
46	5230	26.07	26.38	839.086	29.24	30	Pass
54	5270	20.20	20.17	208.705	23.20	24	Pass
62	5310	20.27	20.24	212.096	23.27	24	Pass
102	5510	20.17	20.33	211.887	23.26	24	Pass
110	5550	20.26	20.28	212.829	23.28	24	Pass
134	5670	20.19	20.23	209.911	23.22	24	Pass
*142 (U-NII-2C)	5710	18.58	18.53	143.396	21.57	24	Pass
*142 (U-NII-3)	5710	9.16	9.19	16.54	12.19	30	Pass
151	5755	26.24	26.28	845.346	29.27	30	Pass
159	5795	26.12	26.35	840.78	29.25	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 1.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.97 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.93 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	21.96	21.69	304.607	24.84	30	Pass
58	5290	20.14	20.30	210.428	23.23	24	Pass
106	5530	20.19	20.33	212.367	23.27	24	Pass
122	5610	20.11	20.46	213.738	23.30	24	Pass
*138 (U-NII-2C)	5690	18.78	19.41	162.806	22.12	24	Pass
*138 (U-NII-3)	5690	4.35	5.00	5.885	7.70	30	Pass
155	5775	24.95	25.94	705.253	28.48	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 1.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.97 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.93 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	17.15	17.22	104.603	20.20	30	Pass
*50 (U-NII-2A)	5250	17.68	17.74	118.043	20.72	24	Pass
114	5570	19.16	19.42	169.912	22.30	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 1.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.97 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.98 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	24.52	24.51	565.627	27.53	30	Pass
40	5200	25.97	26.33	824.903	29.16	30	Pass
48	5240	25.93	26.31	819.305	29.13	30	Pass
52	5260	20.19	20.25	210.397	23.23	24	Pass
60	5300	20.06	20.45	212.309	23.27	24	Pass
64	5320	20.05	20.35	209.551	23.21	24	Pass
100	5500	20.01	20.46	211.404	23.25	24	Pass
116	5580	20.02	20.25	206.387	23.15	24	Pass
140	5700	18.56	18.95	150.303	21.77	24	Pass
*144 (U-NII-2C)	5720	17.63	18.78	133.452	21.25	23.52	Pass
*144 (U-NII-3)	5720	12.27	12.89	36.319	15.60	30	Pass
149	5745	25.76	26.58	831.692	29.20	30	Pass
157	5785	26.17	26.27	837.643	29.23	30	Pass
165	5825	25.56	26.48	804.381	29.05	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.84 dBi < 6 dBi, so the output power limit shall not be reduced.

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	22.43	22.02	334.206	25.24	30	Pass
46	5230	26.07	26.38	839.086	29.24	30	Pass
54	5270	20.20	20.17	208.705	23.20	24	Pass
62	5310	20.27	20.24	212.096	23.27	24	Pass
102	5510	20.17	20.33	211.887	23.26	24	Pass
110	5550	20.26	20.28	212.829	23.28	24	Pass
134	5670	20.19	20.23	209.911	23.22	24	Pass
*142 (U-NII-2C)	5710	18.58	18.53	143.396	21.57	24	Pass
*142 (U-NII-3)	5710	9.16	9.19	16.54	12.19	30	Pass
151	5755	26.24	26.28	845.346	29.27	30	Pass
159	5795	26.12	26.35	840.78	29.25	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.84 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	21.96	21.69	304.607	24.84	30	Pass
58	5290	20.14	20.30	210.428	23.23	24	Pass
106	5530	20.19	20.33	212.367	23.27	24	Pass
122	5610	20.11	20.46	213.738	23.30	24	Pass
*138 (U-NII-2C)	5690	18.78	19.41	162.806	22.12	24	Pass
*138 (U-NII-3)	5690	4.35	5.00	5.885	7.70	30	Pass
155	5775	24.95	25.94	705.253	28.48	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 5.84 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) Beamforming

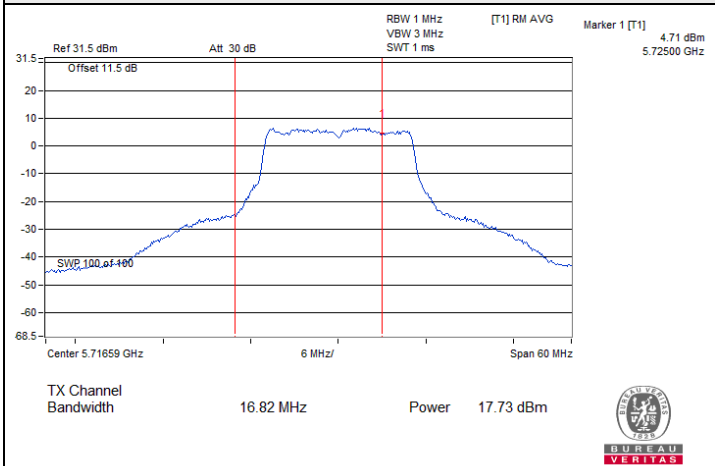
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	17.15	17.22	104.603	20.20	30	Pass
*50 (U-NII-2A)	5250	17.68	17.74	118.043	20.72	24	Pass
114	5570	19.16	19.42	169.912	22.30	24	Pass

Notes:

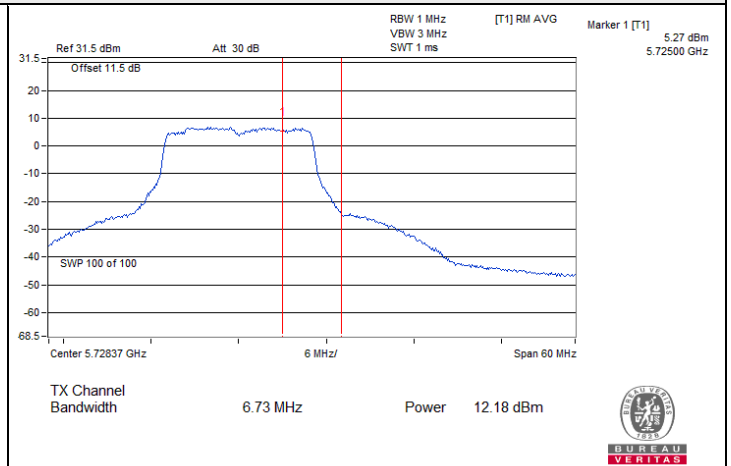
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the output power limit shall not be reduced.



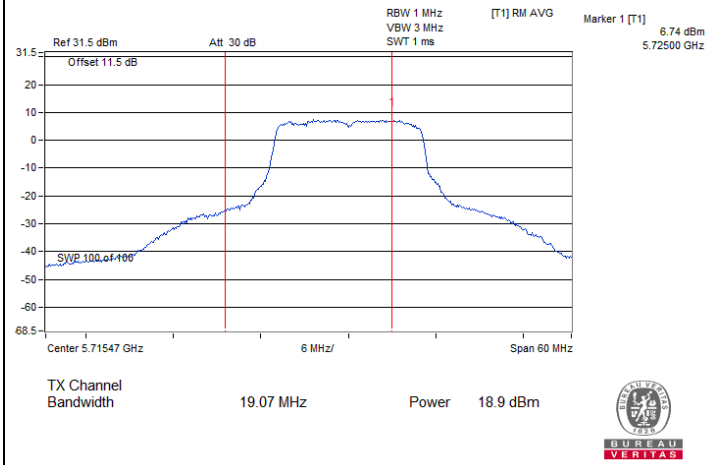
Spectrum Plot for channel straddling



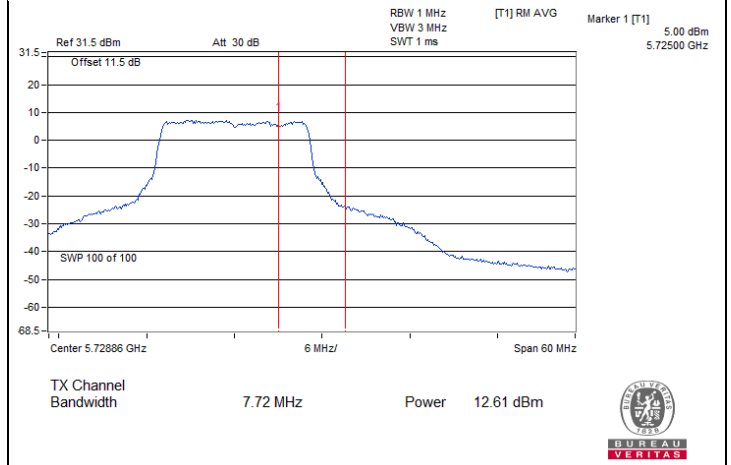
802.11a / Chain 0 : CH 144 (U-NII-2C)



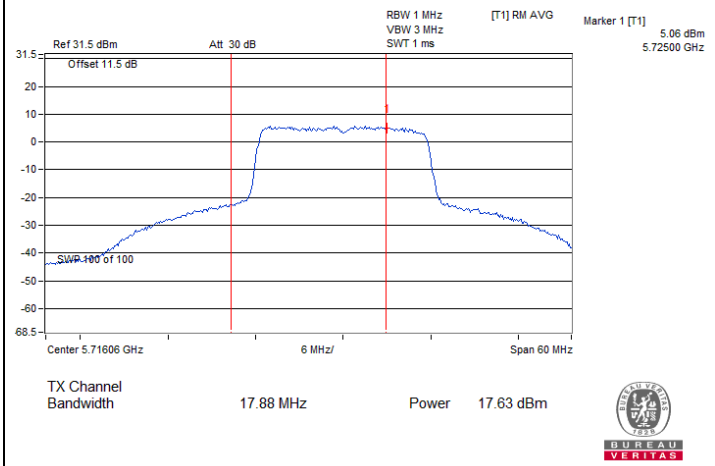
802.11a / Chain 0 : CH 144 (U-NII-3)



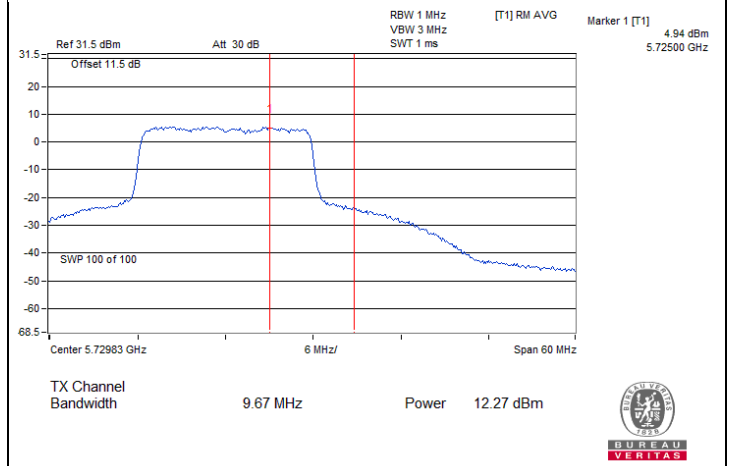
802.11a / Chain 1 : CH 144 (U-NII-2C)



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



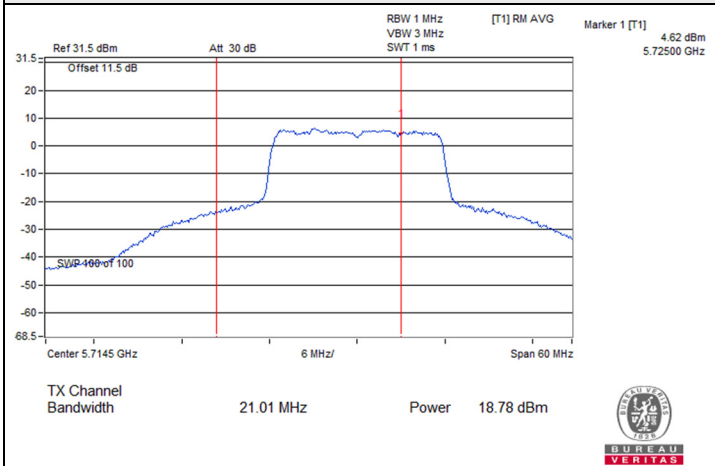
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)



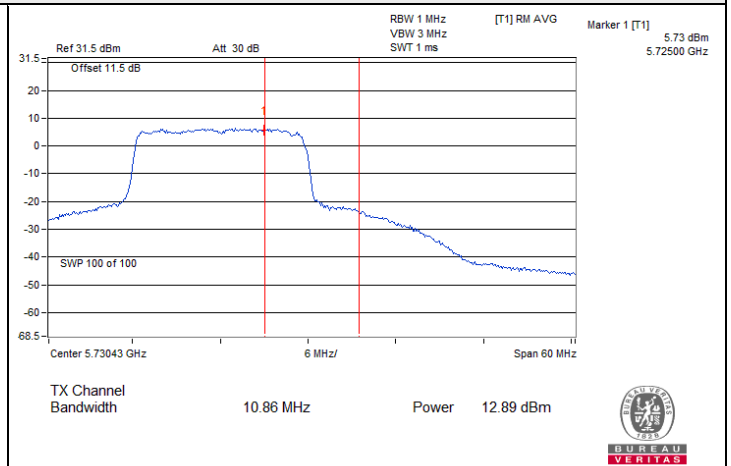
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



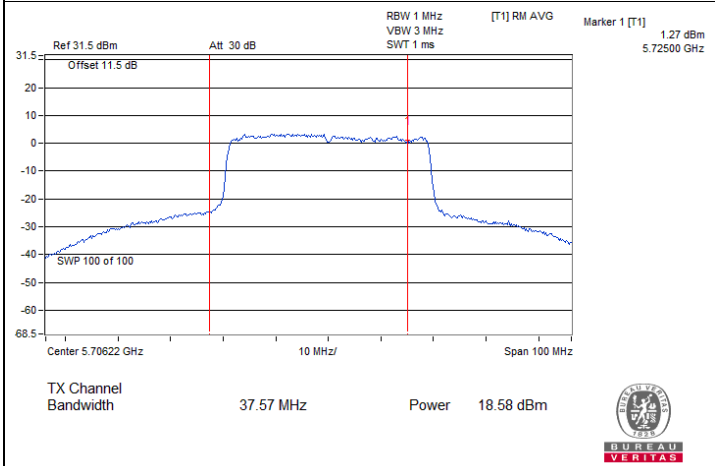
Spectrum Plot for channel straddling



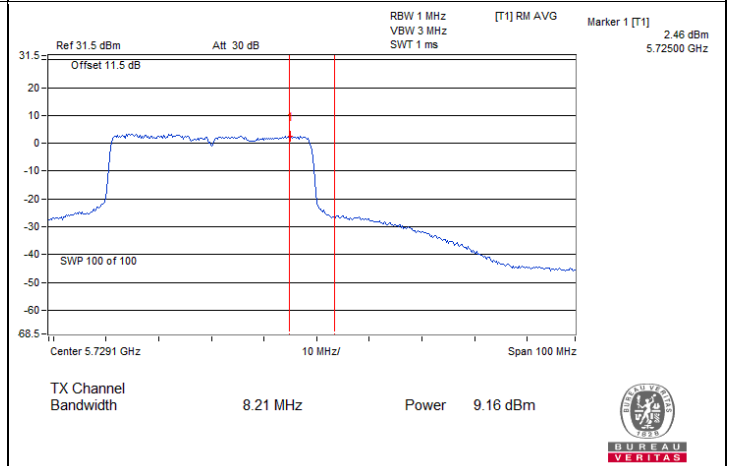
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



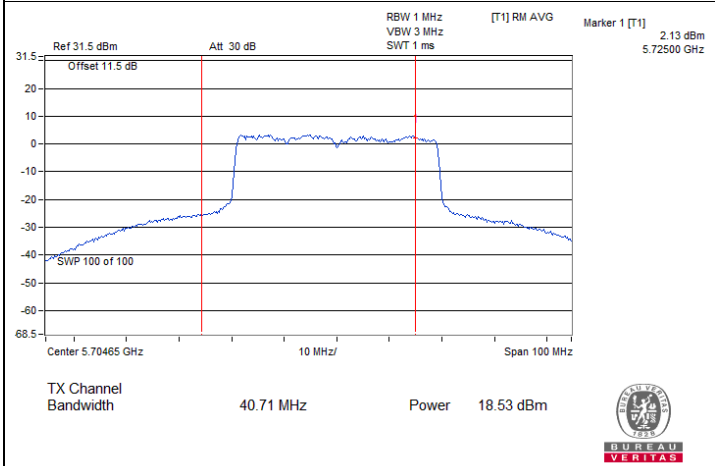
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



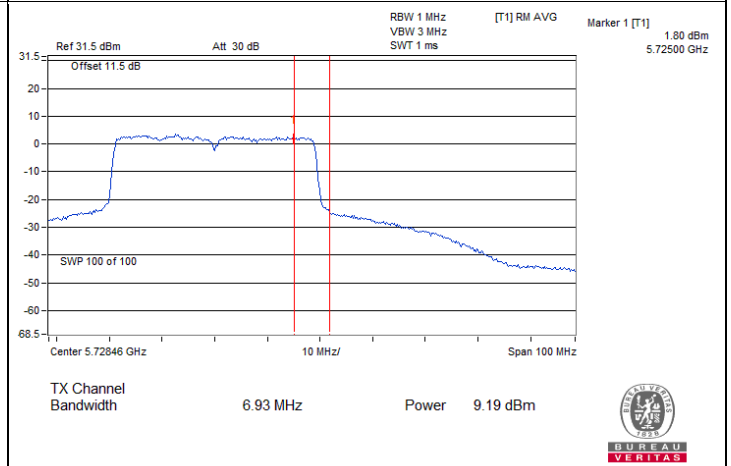
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



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

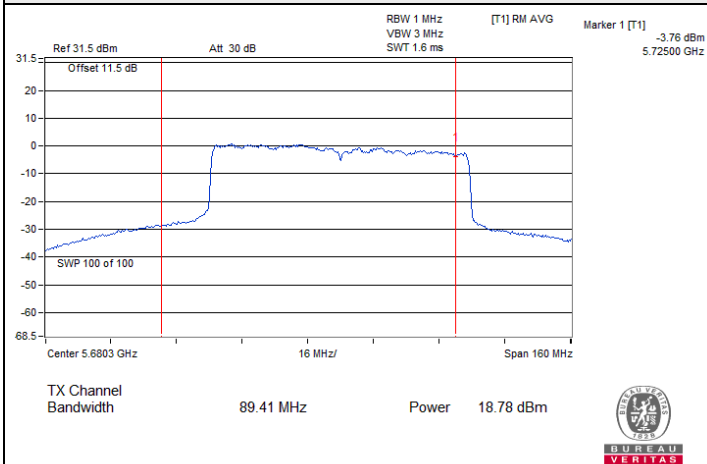


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)

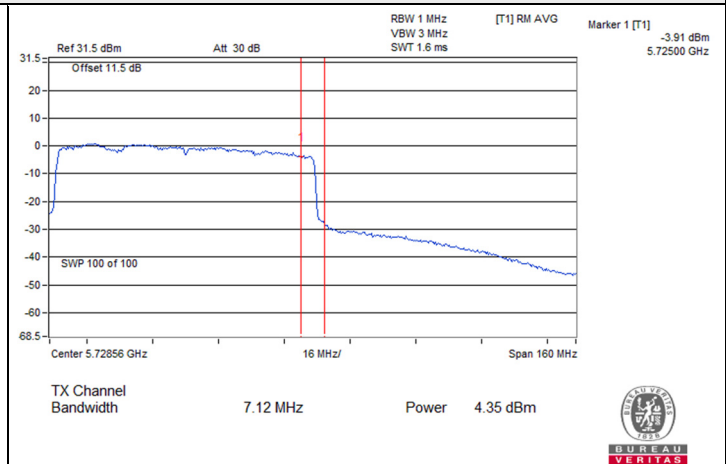


802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)

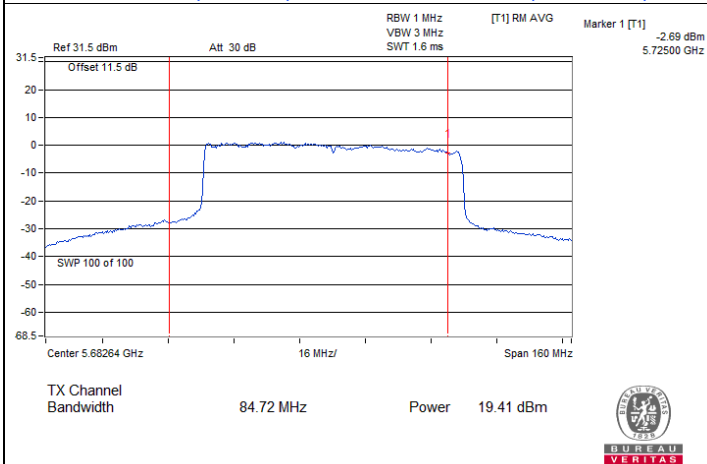
Spectrum Plot for channel straddling



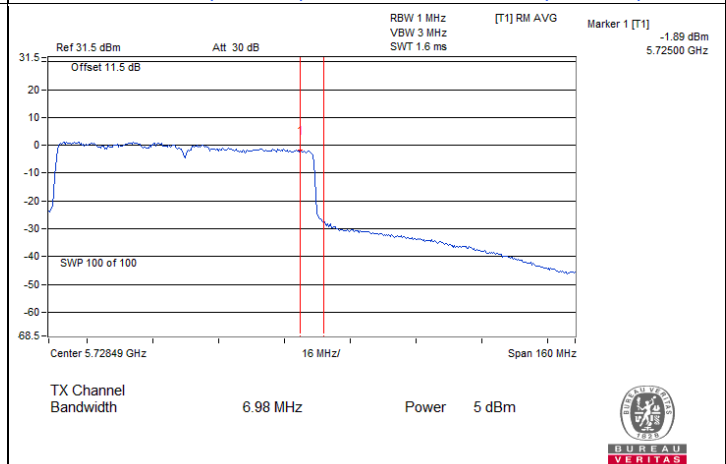
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



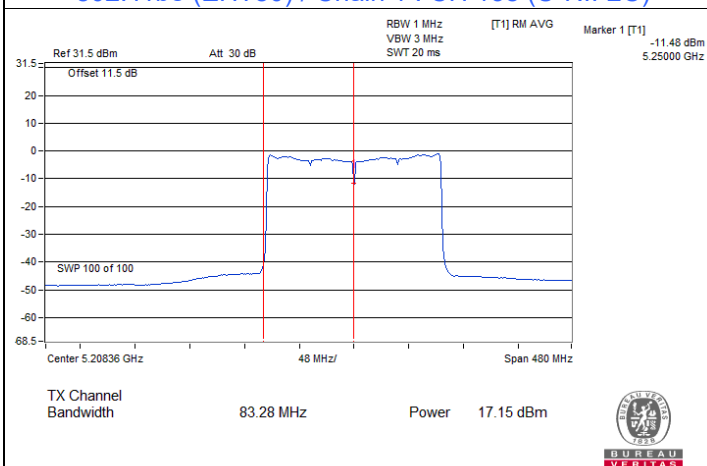
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



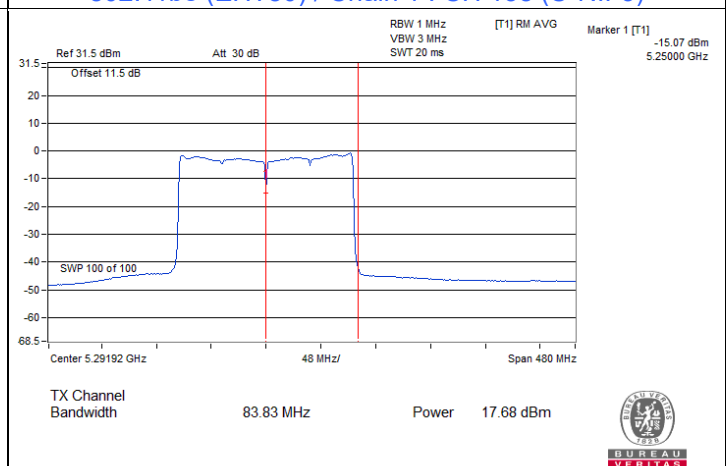
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



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



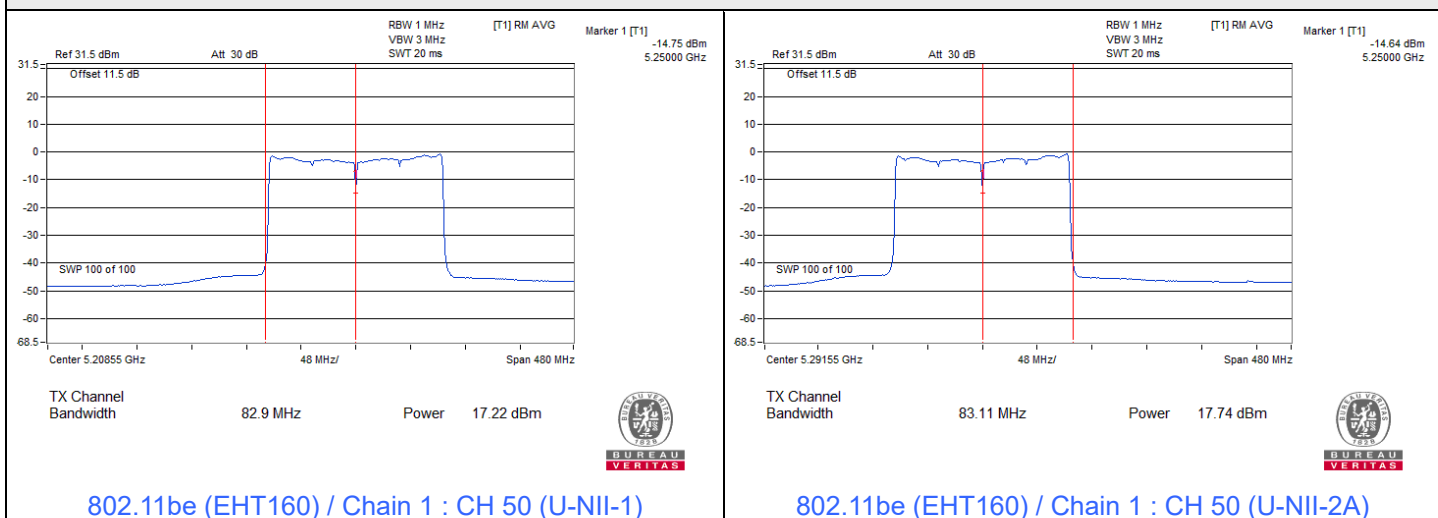
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)



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



Spectrum Plot for channel straddling



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	9.30	9.42	12.37	17	Pass
40	5200	12.90	13.15	16.04	17	Pass
48	5240	13.06	13.45	16.27	17	Pass
52	5260	7.04	7.11	10.09	11	Pass
60	5300	7.02	7.17	10.11	11	Pass
64	5320	6.82	7.25	10.05	11	Pass
100	5500	6.73	7.56	10.18	11	Pass
116	5580	6.62	7.52	10.10	11	Pass
140	5700	5.32	6.14	8.76	11	Pass
144 (U-NII-2C)	5720	6.49	7.27	9.91	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the power density limit shall not be reduced.

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	11.41	11.44	14.44	17	Pass
40	5200	12.94	13.19	16.08	17	Pass
48	5240	12.88	13.24	16.07	17	Pass
52	5260	7.13	7.18	10.17	11	Pass
60	5300	7.00	7.35	10.19	11	Pass
64	5320	7.08	7.28	10.19	11	Pass
100	5500	6.95	7.39	10.19	11	Pass
116	5580	6.89	7.23	10.07	11	Pass
140	5700	4.92	5.92	8.46	11	Pass
144 (U-NII-2C)	5720	6.85	7.57	10.24	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	6.45	5.91	9.20	17	Pass
46	5230	10.04	10.16	13.11	17	Pass
54	5270	4.21	4.17	7.20	11	Pass
62	5310	4.18	4.25	7.23	11	Pass
102	5510	4.15	4.20	7.19	11	Pass
110	5550	4.31	4.27	7.30	11	Pass
134	5670	4.21	4.21	7.22	11	Pass
142 (U-NII-2C)	5710	4.17	4.27	7.23	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	2.95	2.71	5.84	17	Pass
58	5290	1.18	1.29	4.25	11	Pass
106	5530	1.08	1.35	4.23	11	Pass
122	5610	1.20	1.47	4.35	11	Pass
138 (U-NII-2C)	5690	1.09	1.51	4.32	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the power density limit shall not be reduced.

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	-2.18	-1.45	1.21	17	Pass
50 (U-NII-2A)	5250	-1.46	-0.72	1.94	11	Pass
114	5570	-2.94	-2.54	0.27	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.87 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.98 dBi < 6 dBi, so the power density limit shall not be reduced.

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	-1.91	-1.16	1.49	3.71	30	Pass
149	5745	5.08	5.27	8.19	10.41	30	Pass
157	5785	5.15	5.40	8.29	10.51	30	Pass
165	5825	4.30	5.20	7.78	10.00	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 5.84 dBi < 6 dBi, so the power density limit shall not be reduced.

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	-3.44	-2.63	-0.01	2.21	30	Pass
149	5745	3.09	3.87	6.51	8.73	30	Pass
157	5785	3.55	3.82	6.7	8.92	30	Pass
165	5825	2.79	3.69	6.27	8.49	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 5.84 dBi < 6 dBi, so the power density limit shall not be reduced.

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	-6.17	-6.09	-3.12	-0.90	30	Pass
151	5755	1.18	1.40	4.3	6.52	30	Pass
159	5795	0.66	0.88	3.78	6.00	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 5.84 dBi < 6 dBi, so the power density limit shall not be reduced.

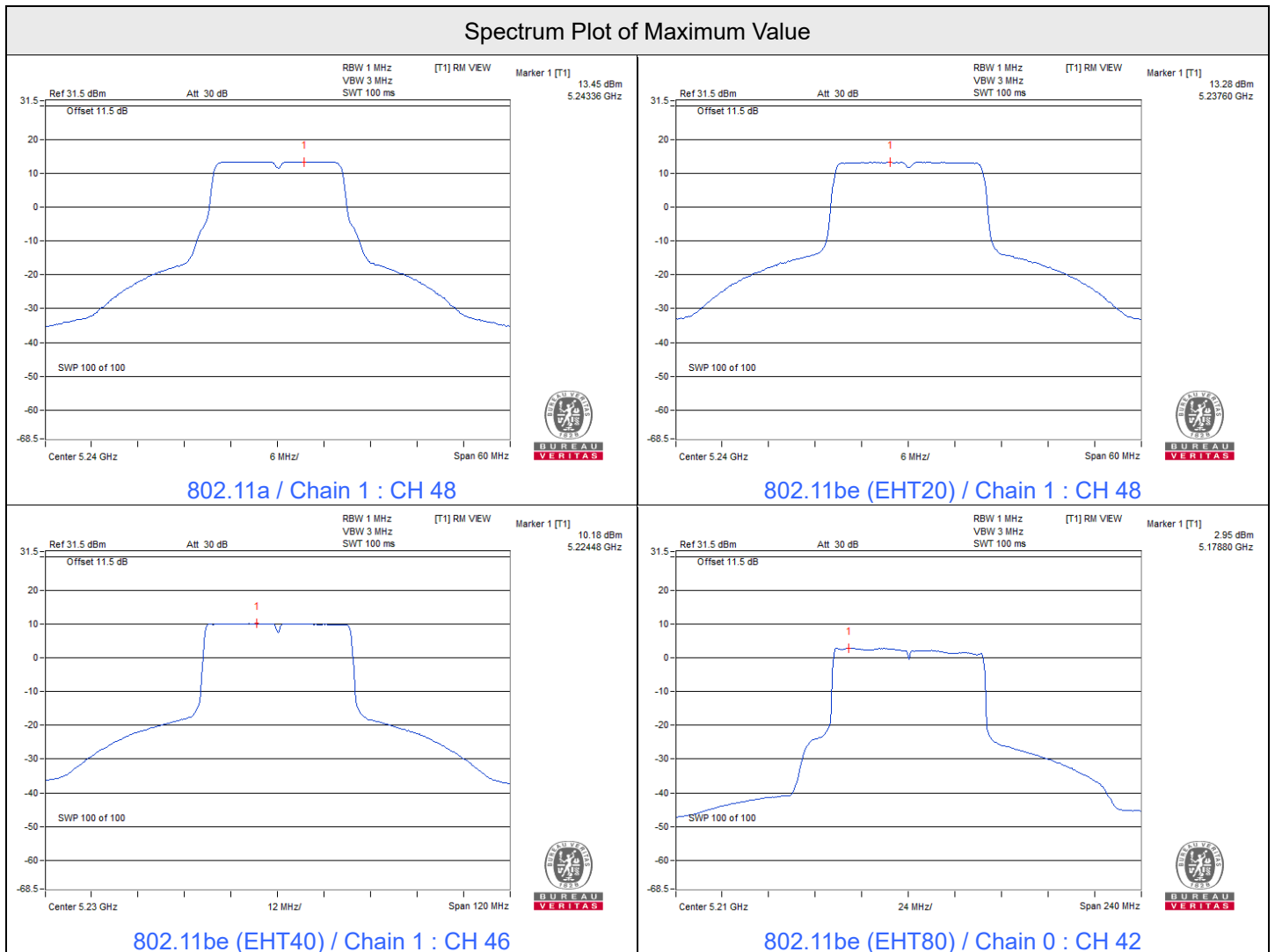


802.11be (EHT80)

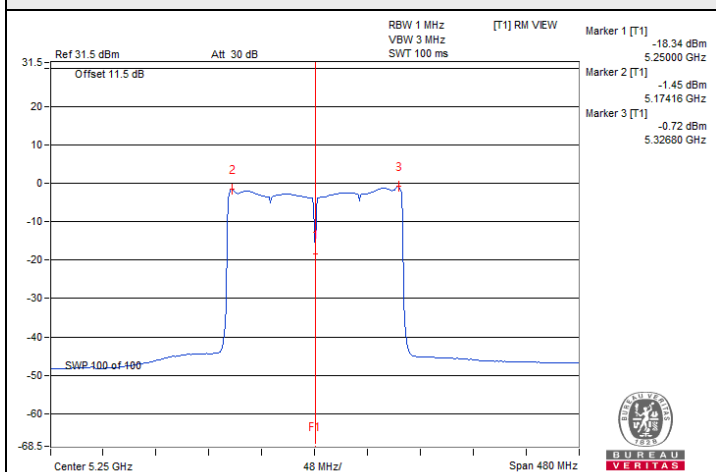
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-11.11	-10.54	-7.81	-5.59	30	Pass
155	5775	-2.72	-1.93	0.7	2.92	30	Pass

Notes:

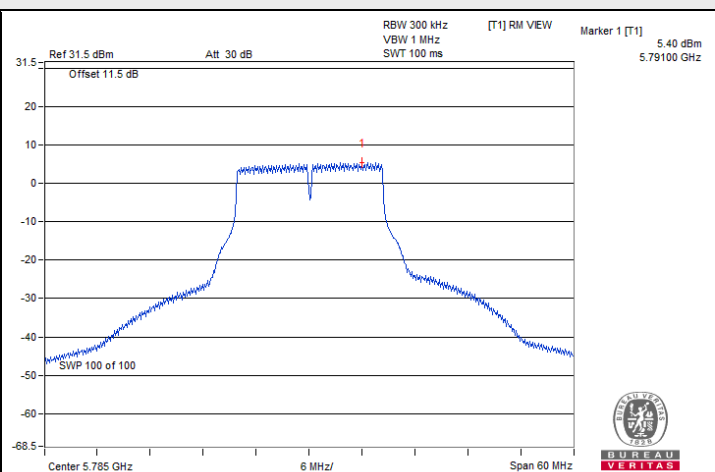
1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 5.84 dBi < 6 dBi, so the power density limit shall not be reduced.



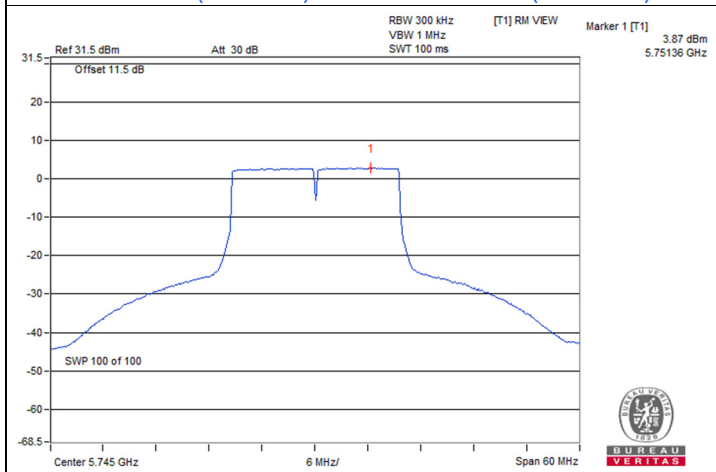
Spectrum Plot of Maximum Value



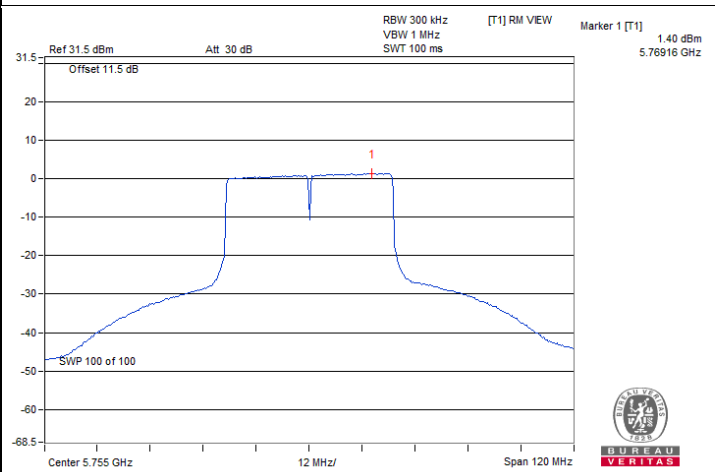
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)



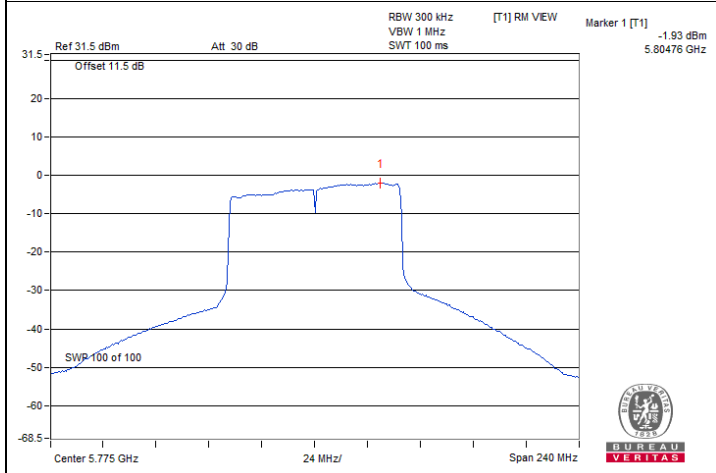
802.11a / Chain 1 : CH 157



802.11be (EHT20) / Chain 1 : CH 149



802.11be (EHT40) / Chain 1 : CH 151



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	3.26	3.26	0.5	Pass
149	5745	16.39	16.39	0.5	Pass
157	5785	16.37	16.37	0.5	Pass
165	5825	16.37	16.38	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.61	4.61	0.5	Pass
149	5745	19.07	19.04	0.5	Pass
157	5785	19.03	18.99	0.5	Pass
165	5825	19.02	19.01	0.5	Pass

802.11be (EHT40)

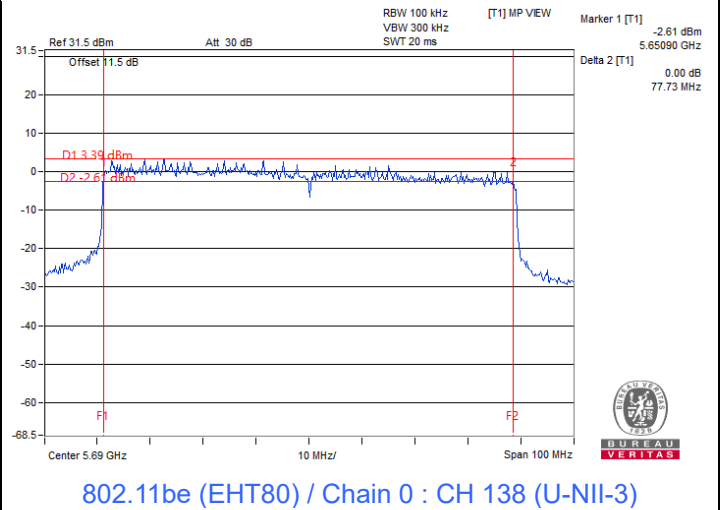
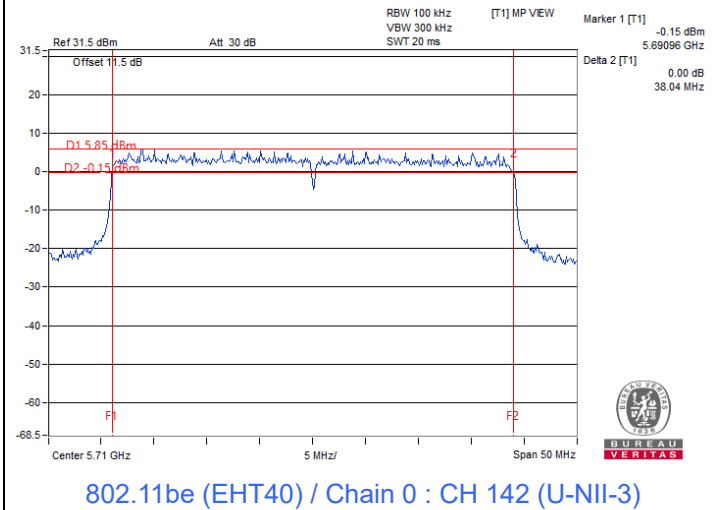
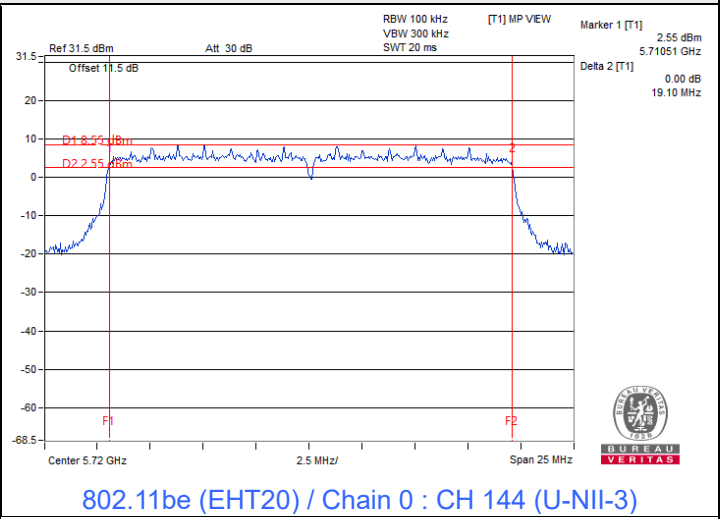
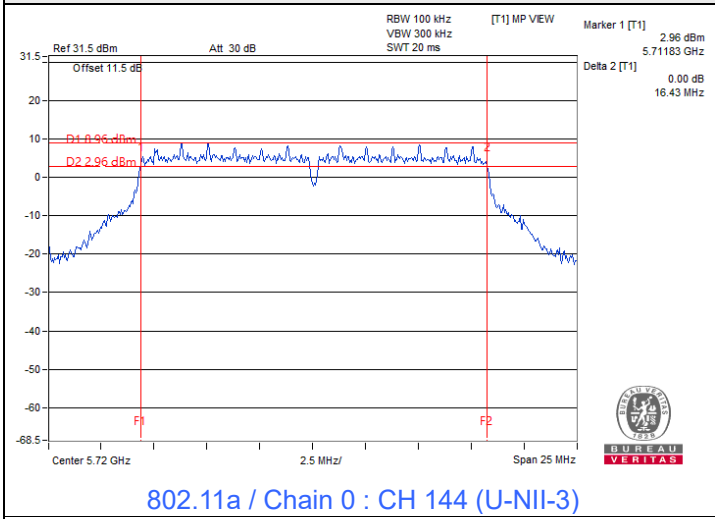
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	4.00	4.12	0.5	Pass
151	5755	38.03	38.00	0.5	Pass
159	5795	37.77	37.83	0.5	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.63	3.68	0.5	Pass
155	5775	77.42	76.68	0.5	Pass



Spectrum Plot of Minimum Value



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

7.5 Occupied Bandwidth

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.64	17.64
40	5200	17.64	17.40
48	5240	17.52	17.52
52	5260	17.64	17.64
60	5300	17.52	17.52
64	5320	17.52	17.64
100	5500	17.52	17.52
116	5580	17.64	17.52
140	5700	17.16	17.28
144 (U-NII-2C)	5720	13.76	13.76
144 (U-NII-3)	5720	3.76	3.76
149	5745	17.58	17.46
157	5785	17.64	17.64
165	5825	17.46	17.52

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.32	19.32
40	5200	19.32	19.20
48	5240	19.20	19.32
52	5260	19.44	19.44
60	5300	19.32	19.32
64	5320	19.32	19.32
100	5500	19.44	19.44
116	5580	19.32	19.32
140	5700	19.20	19.08
144 (U-NII-2C)	5720	14.72	14.72
144 (U-NII-3)	5720	4.72	4.72
149	5745	19.32	19.32
157	5785	19.38	19.38
165	5825	19.32	19.26

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	38.16	38.16
46	5230	38.16	38.16
54	5270	38.40	38.16
62	5310	38.40	38.16
102	5510	38.40	38.16
110	5550	38.16	38.16
134	5670	38.16	38.16
142 (U-NII-2C)	5710	34.20	34.20
142 (U-NII-3)	5710	3.96	4.20
151	5755	38.16	38.28
159	5795	38.16	38.16

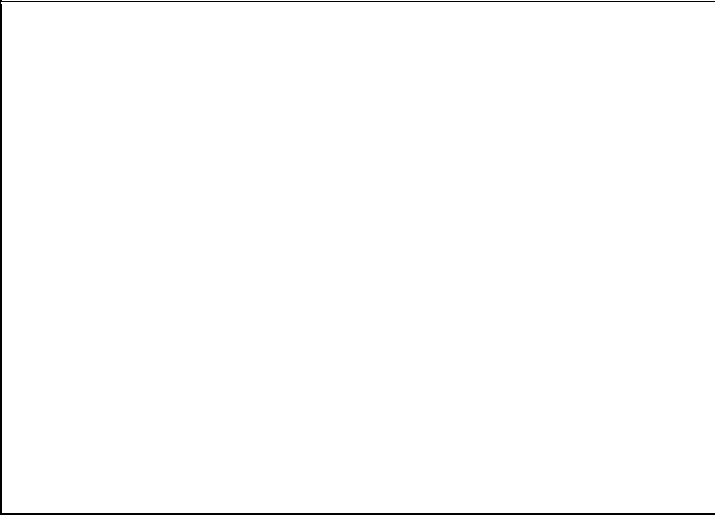
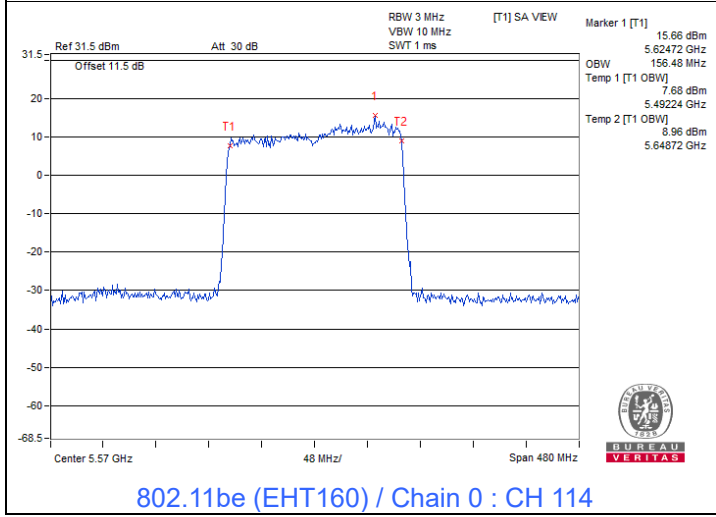
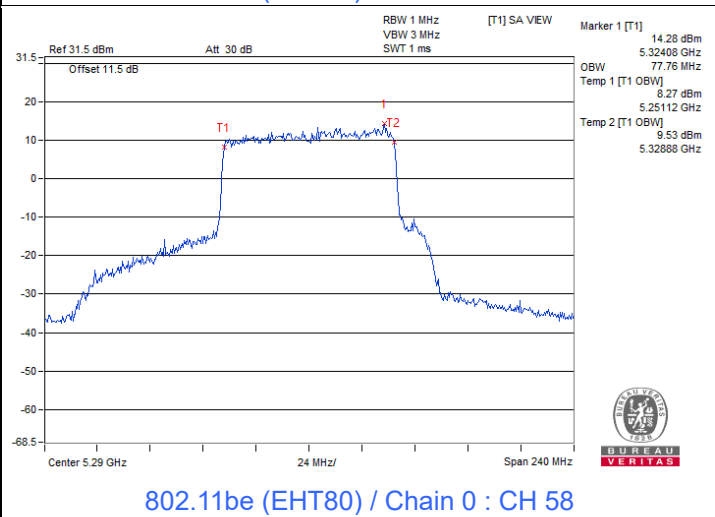
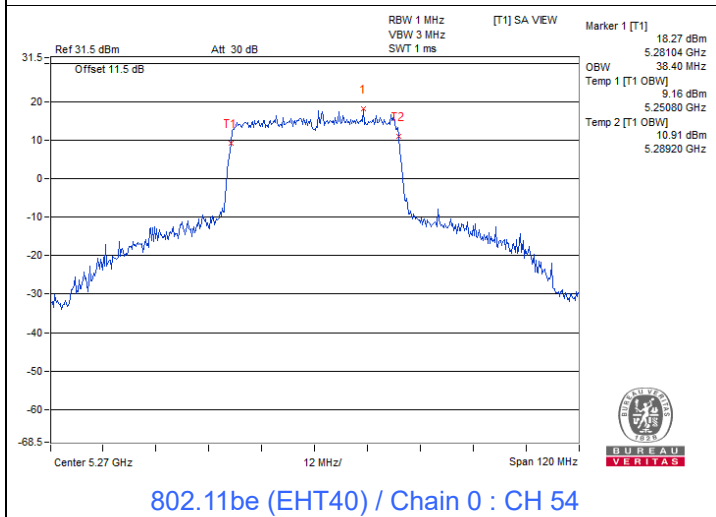
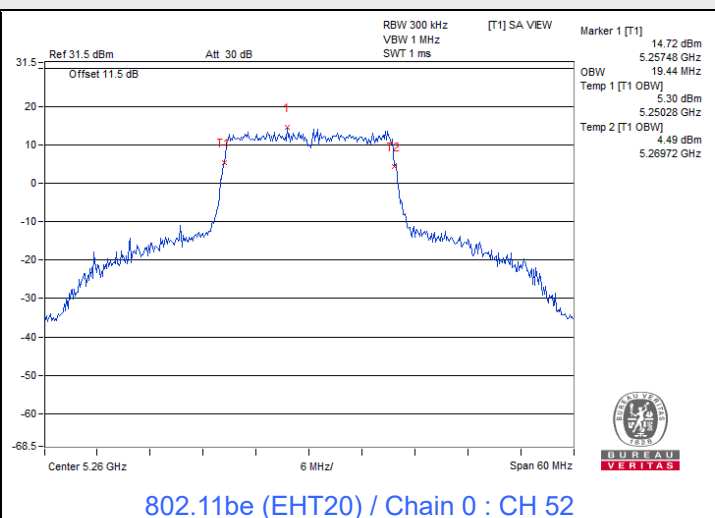
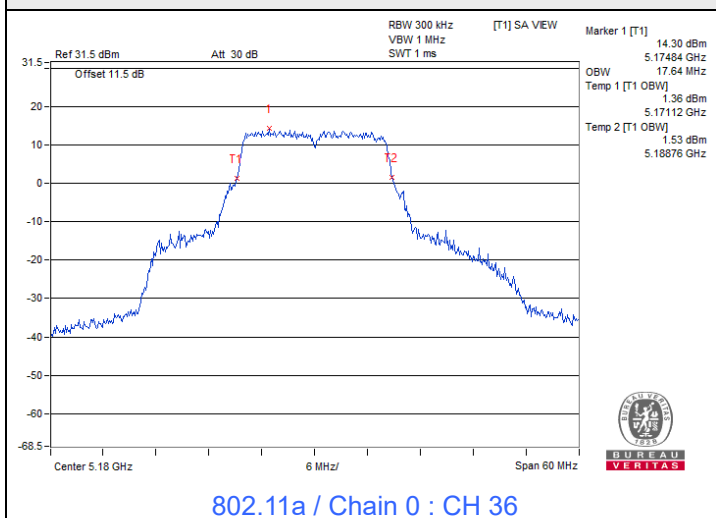
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.28
58	5290	77.76	77.76
106	5530	77.76	77.52
122	5610	77.76	77.76
138 (U-NII-2C)	5690	73.88	74.36
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.28	77.28

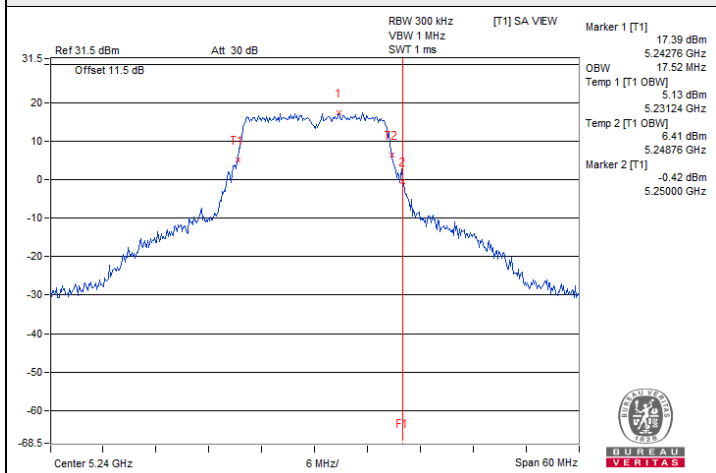
802.11be (EHT160)

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

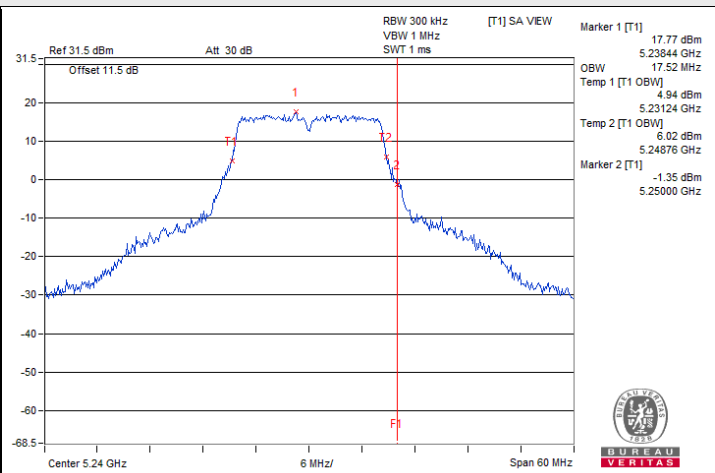
Spectrum Plot of Maximum Value



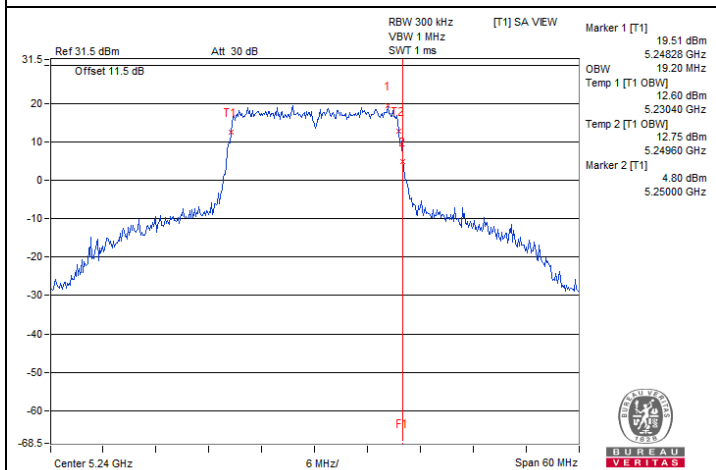
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



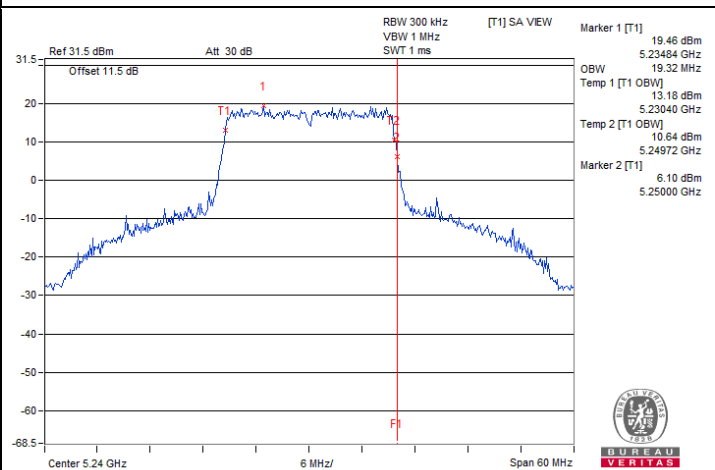
802.11a / Chain 0 : CH 48



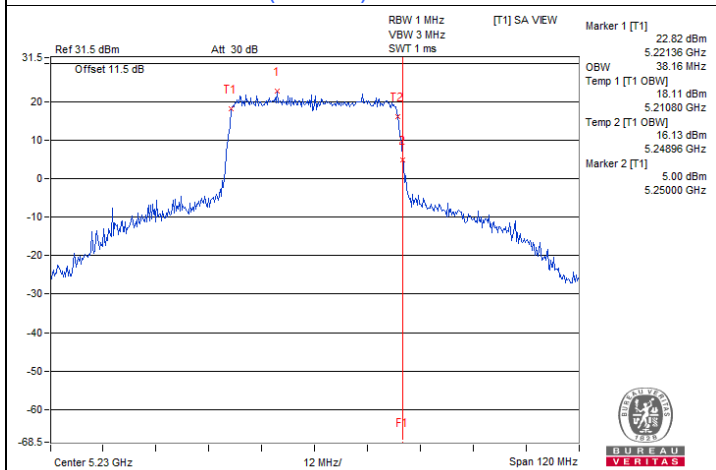
802.11a / Chain 1 : CH 48



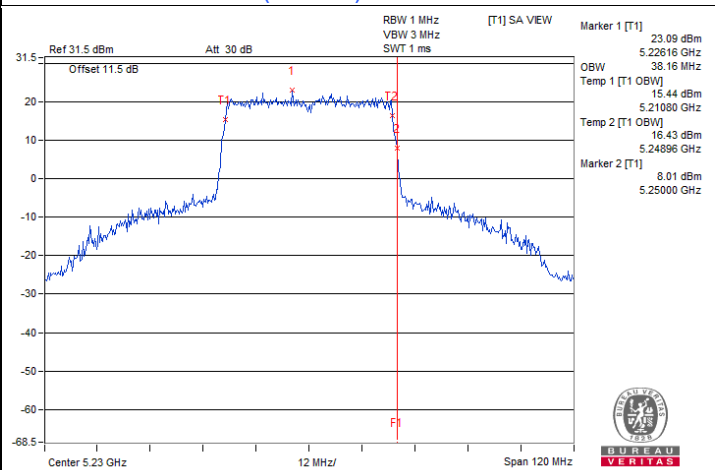
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT20) / Chain 1 : CH 48



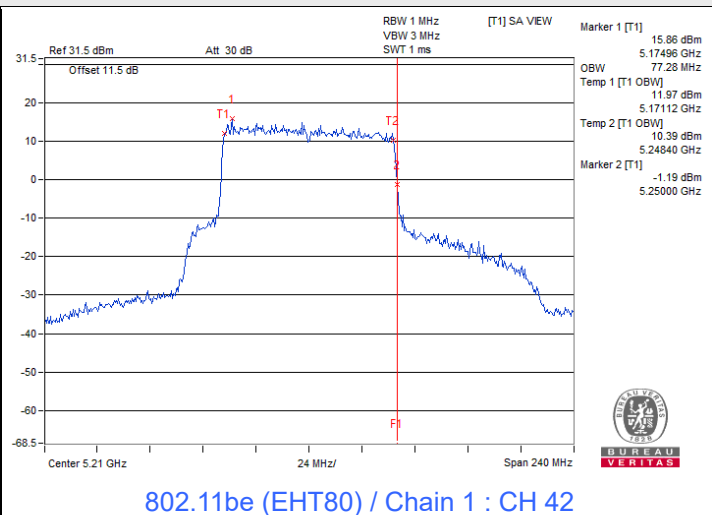
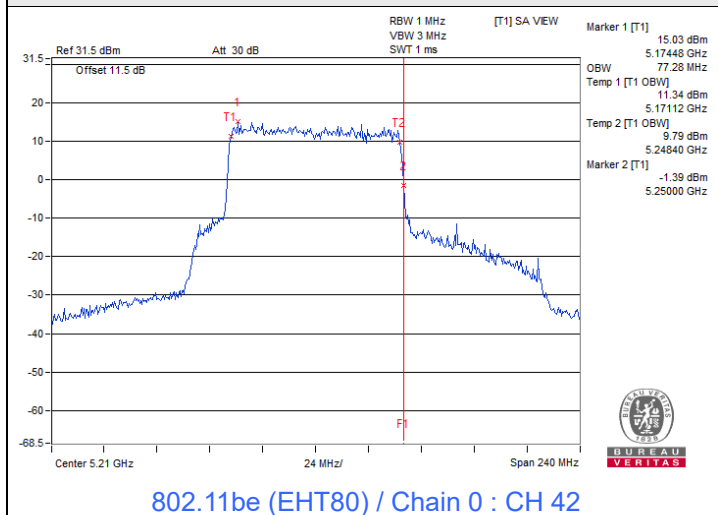
802.11be (EHT40) / Chain 0 : CH 46



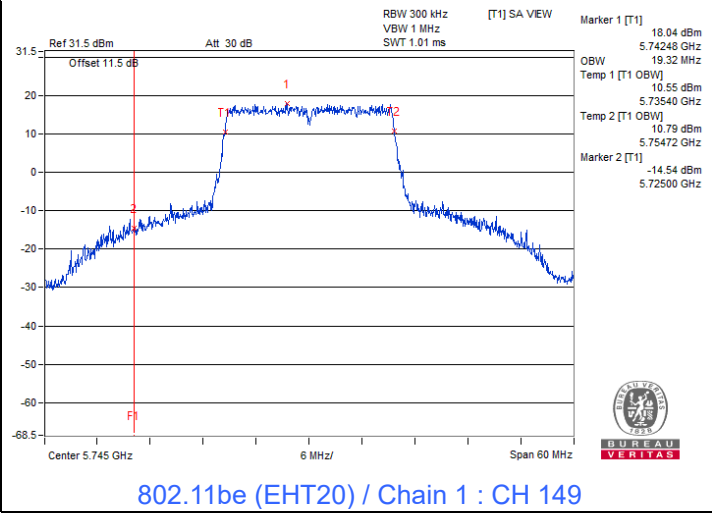
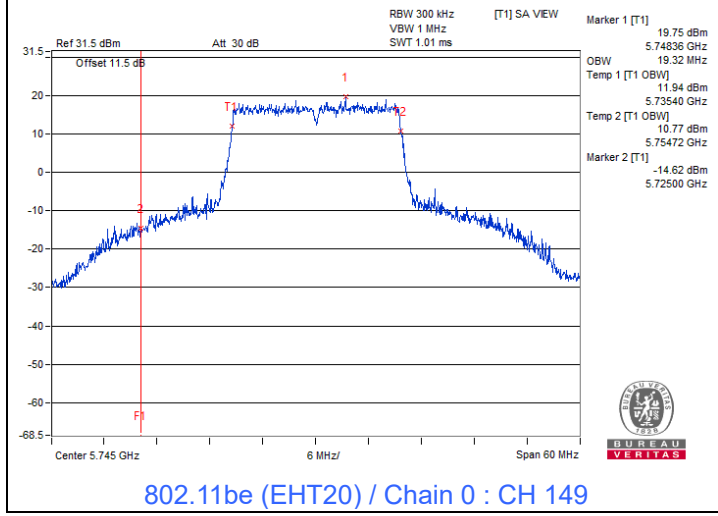
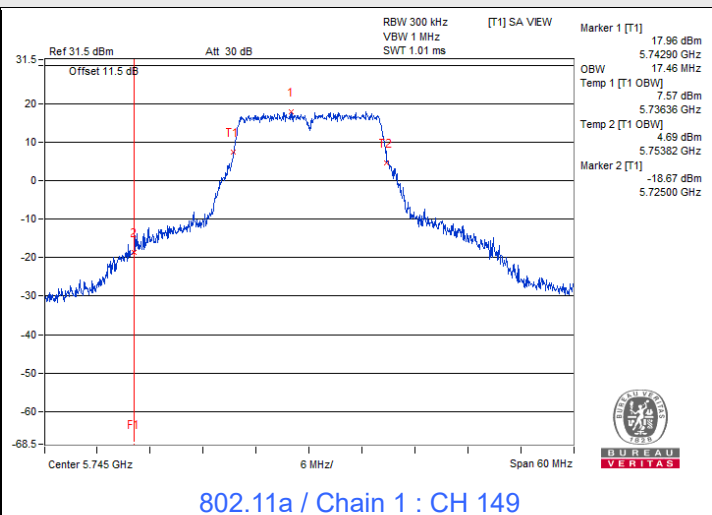
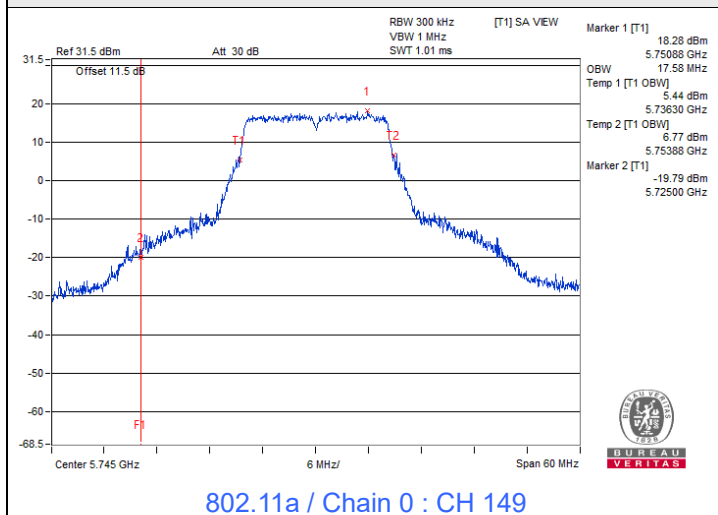
802.11be (EHT40) / Chain 1 : CH 46



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

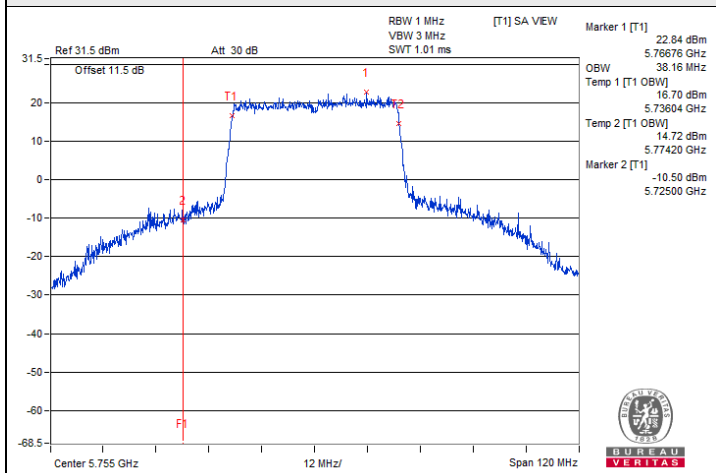


Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)

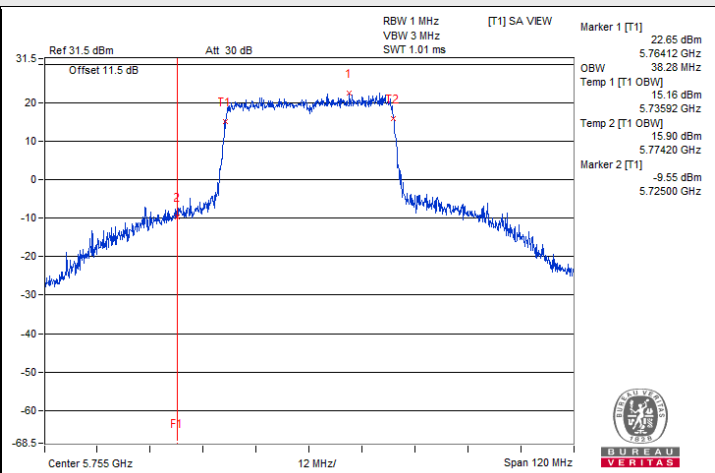




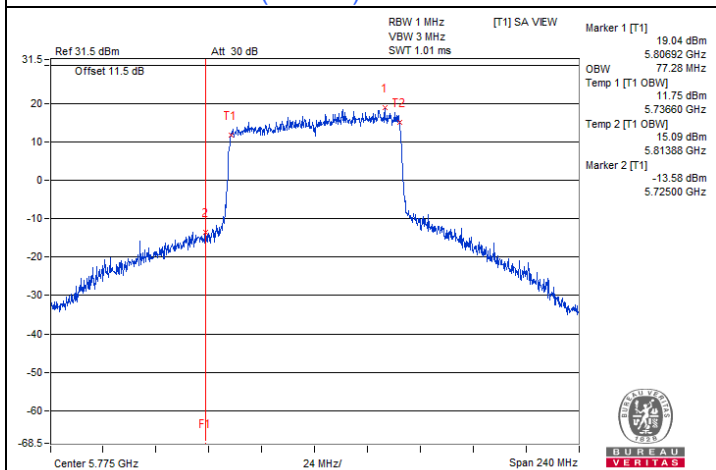
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



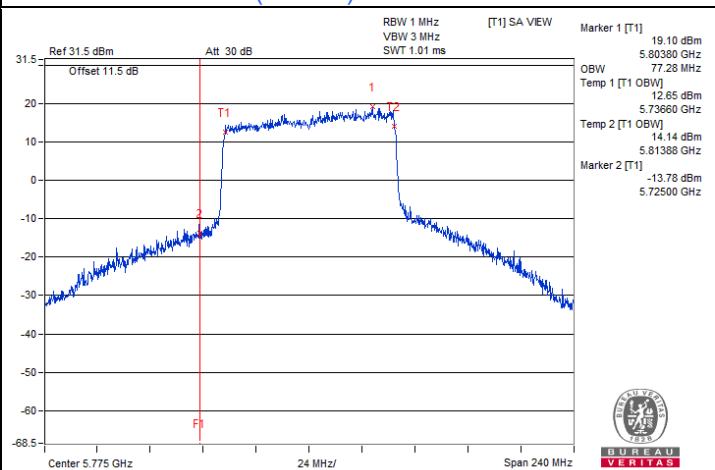
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	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	5179.9968	Pass	5179.9957	Pass	5179.9977	Pass	5179.9968	Pass
30	120	5179.9832	Pass	5179.9843	Pass	5179.9825	Pass	5179.9825	Pass
20	120	5179.979	Pass	5179.9762	Pass	5179.9785	Pass	5179.9797	Pass
10	120	5179.9876	Pass	5179.9842	Pass	5179.9879	Pass	5179.9832	Pass
0	120	5179.9993	Pass	5179.999	Pass	5179.9984	Pass	5180.0002	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9789	Pass	5179.9759	Pass	5179.9783	Pass	5179.9789	Pass
	120	5179.979	Pass	5179.9762	Pass	5179.9785	Pass	5179.9797	Pass
	102	5179.9822	Pass	5179.9825	Pass	5179.984	Pass	5179.9862	Pass

7.7 AC Power Conducted Emissions

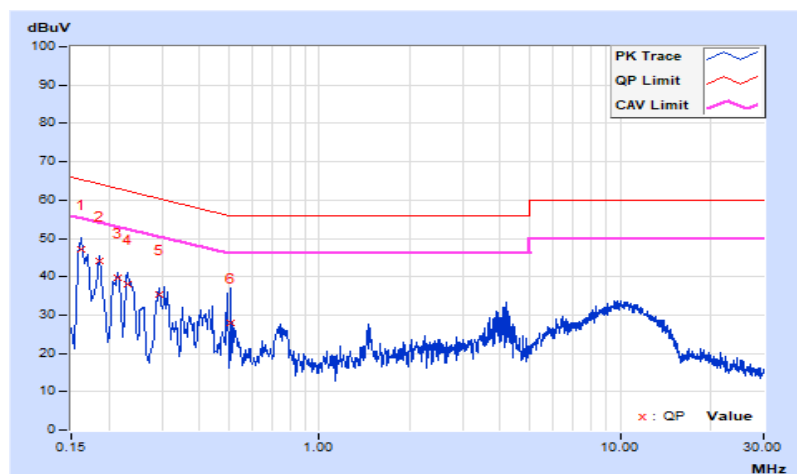
Test Mode A

RF Mode	802.11a	Channel	CH 40 : 5200 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, 70% RH
Tested By	Luis Lee		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16200	9.68	37.38	17.83	47.06	27.51	65.36	55.36	-18.30	-27.85
2	0.18568	9.69	34.27	19.86	43.96	29.55	64.23	54.23	-20.27	-24.68
3	0.21400	9.71	29.95	13.02	39.66	22.73	63.05	53.05	-23.39	-30.32
4	0.23000	9.72	28.22	13.66	37.94	23.38	62.45	52.45	-24.51	-29.07
5	0.29400	9.76	25.69	14.40	35.45	24.16	60.41	50.41	-24.96	-26.25
6	0.51000	9.83	18.13	4.25	27.96	14.08	56.00	46.00	-28.04	-31.92

Remarks:

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

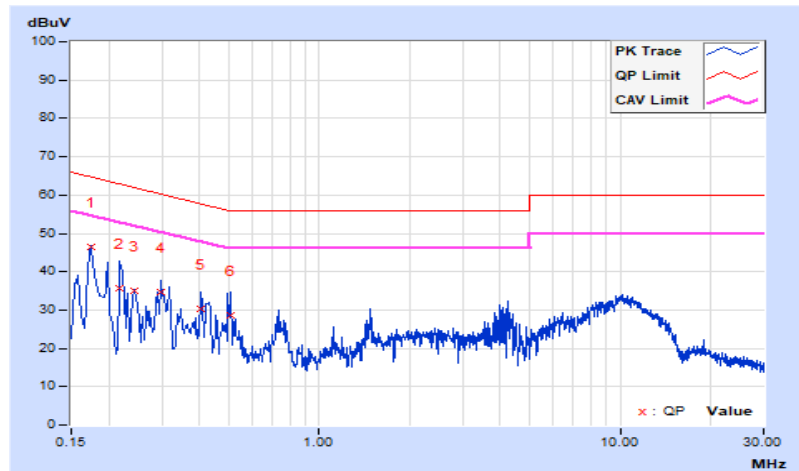


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Luis Lee		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17400	9.69	36.64	22.31	46.33	32.00	64.77	54.77	-18.44	-22.77
2	0.21800	9.71	26.13	10.49	35.84	20.20	62.89	52.89	-27.05	-32.69
3	0.24200	9.73	25.36	12.81	35.09	22.54	62.03	52.03	-26.94	-29.49
4	0.29800	9.77	24.85	13.72	34.62	23.49	60.30	50.30	-25.68	-26.81
5	0.40600	9.84	20.33	11.80	30.17	21.64	57.73	47.73	-27.56	-26.09
6	0.50600	9.85	18.85	4.68	28.70	14.53	56.00	46.00	-27.30	-31.47

Remarks:

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



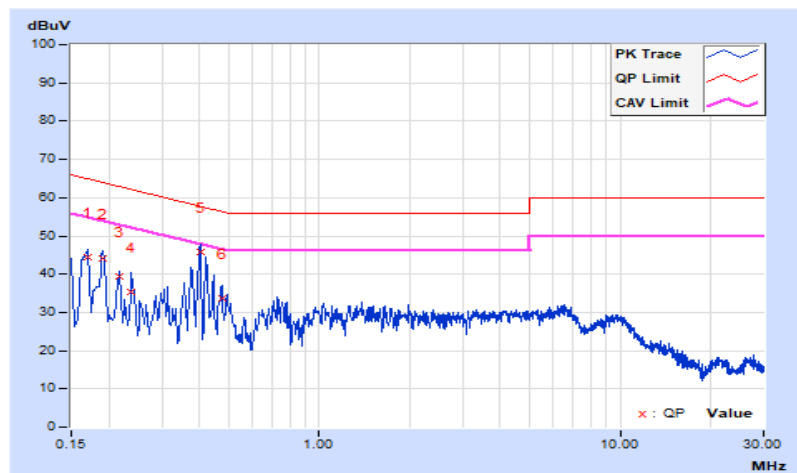
Test Mode B

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	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, 70% RH
Tested By	Luis Lee		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17000	9.69	34.86	21.08	44.55	30.77	64.96	54.96	-20.41	-24.19
2	0.19000	9.70	34.42	22.07	44.12	31.77	64.04	54.04	-19.92	-22.27
3	0.21800	9.71	29.53	16.31	39.24	26.02	62.89	52.89	-23.65	-26.87
4	0.23800	9.72	25.74	14.78	35.46	24.50	62.17	52.17	-26.71	-27.67
5	0.40179	9.82	35.95	27.12	45.77	36.94	57.82	47.82	-12.05	-10.88
6	0.47400	9.82	23.70	13.88	33.52	23.70	56.44	46.44	-22.92	-22.74

Remarks:

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

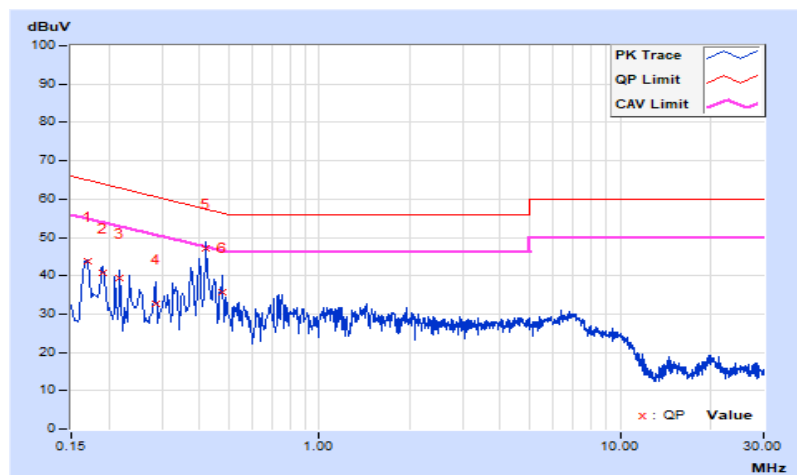


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Luis Lee		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16932	9.69	34.04	19.67	43.73	29.36	64.99	54.99	-21.26	-25.63
2	0.19000	9.70	31.18	20.84	40.88	30.54	64.04	54.04	-23.16	-23.50
3	0.21800	9.71	29.81	16.66	39.52	26.37	62.89	52.89	-23.37	-26.52
4	0.28600	9.76	22.90	13.33	32.66	23.09	60.64	50.64	-27.98	-27.55
5	0.42200	9.84	37.34	30.31	47.18	40.15	57.41	47.41	-10.23	-7.26
6	0.47800	9.85	25.96	17.22	35.81	27.07	56.37	46.37	-20.56	-19.30

Remarks:

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



Test Mode C

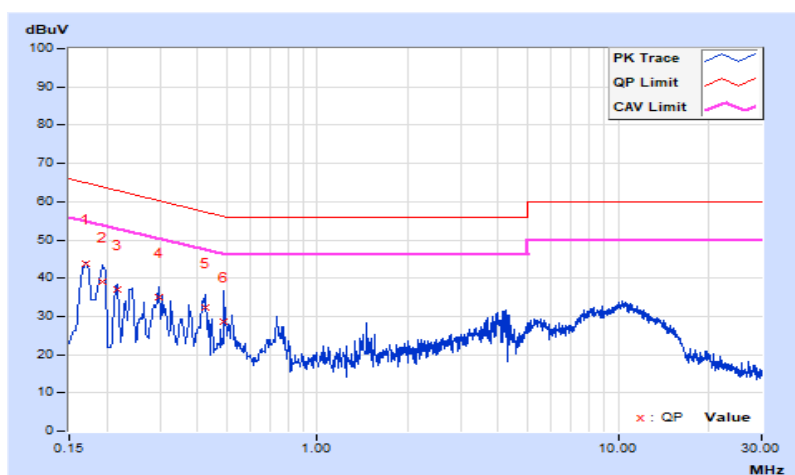
RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Luis Lee		

Phase Of Power : Line (L)

No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16932	9.69	34.15	18.72	43.84	28.41	64.99	54.99	-21.15	-26.58
2	0.19367	9.70	29.43	16.91	39.13	26.61	63.88	53.88	-24.75	-27.27
3	0.21748	9.71	27.49	12.18	37.20	21.89	62.91	52.91	-25.71	-31.02
4	0.29800	9.76	25.37	15.14	35.13	24.90	60.30	50.30	-25.17	-25.40
5	0.42600	9.82	22.66	15.46	32.48	25.28	57.33	47.33	-24.85	-22.05
6	0.49000	9.82	18.73	4.83	28.55	14.65	56.17	46.17	-27.62	-31.52

Remarks:

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

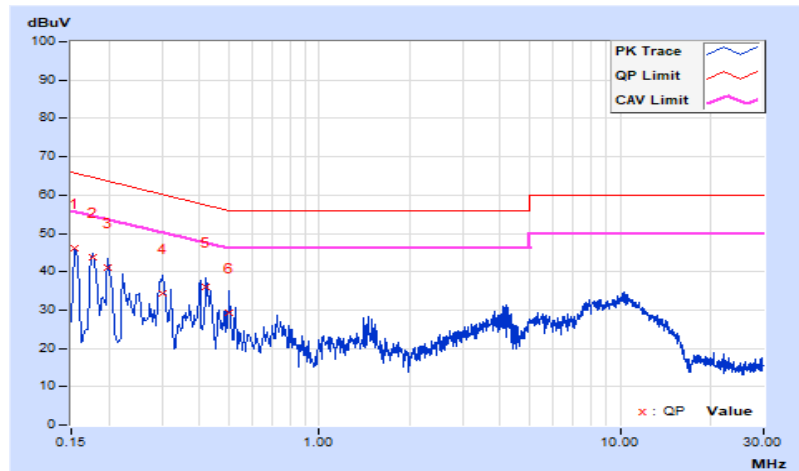


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 70% RH
Tested By	Luis Lee		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	9.68	36.31	20.87	45.99	30.55	65.78	55.78	-19.79	-25.23
2	0.17800	9.69	34.07	21.27	43.76	30.96	64.58	54.58	-20.82	-23.62
3	0.19800	9.70	31.26	16.83	40.96	26.53	63.69	53.69	-22.73	-27.16
4	0.30200	9.77	24.73	14.96	34.50	24.73	60.19	50.19	-25.69	-25.46
5	0.42200	9.84	26.02	21.31	35.86	31.15	57.41	47.41	-21.55	-16.26
6	0.50200	9.85	19.56	8.59	29.41	18.44	56.00	46.00	-26.59	-27.56

Remarks:

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



7.8 Unwanted Emissions below 1 GHz

Test Mode A

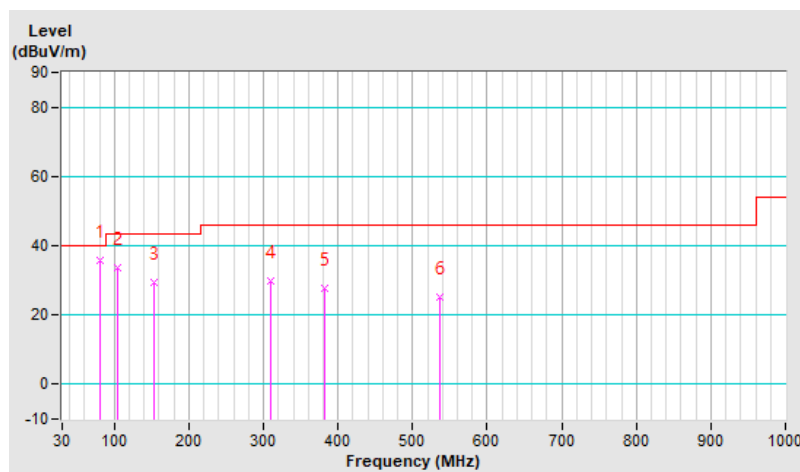
RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 67% RH
Tested By	Luis Lee		

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	80.44	35.8 QP	40.0	-4.2	1.00 H	123	42.3	-6.5
2	103.72	33.8 QP	43.5	-9.7	1.00 H	276	40.3	-6.5
3	153.19	29.3 QP	43.5	-14.2	1.49 H	253	35.8	-6.5
4	310.33	29.7 QP	46.0	-16.3	1.00 H	322	36.2	-6.5
5	382.11	27.8 QP	46.0	-18.2	1.00 H	56	34.3	-6.5
6	537.31	25.3 QP	46.0	-20.7	1.49 H	50	31.8	-6.5

Remarks:

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

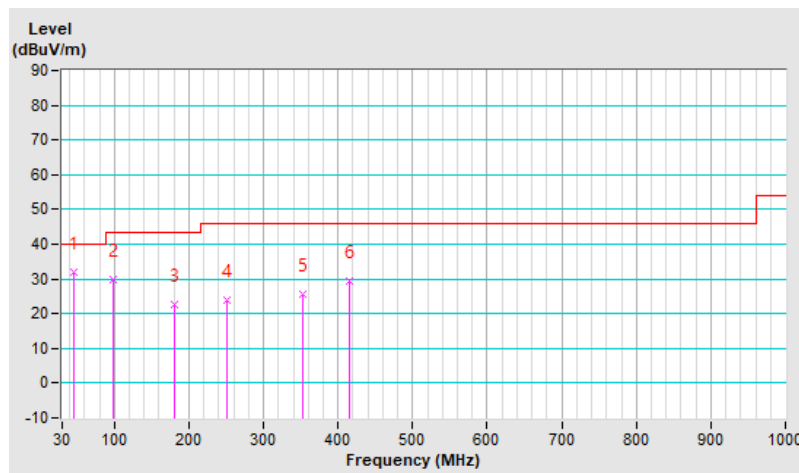


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 67% RH
Tested By	Luis Lee		

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	45.52	32.1 QP	40.0	-7.9	1.01 V	83	38.6	-6.5
2	97.90	29.8 QP	43.5	-13.7	1.01 V	18	36.3	-6.5
3	180.35	22.8 QP	43.5	-20.7	1.01 V	126	29.3	-6.5
4	250.19	24.0 QP	46.0	-22.0	1.01 V	163	30.5	-6.5
5	352.04	25.5 QP	46.0	-20.5	1.49 V	351	32.0	-6.5
6	416.06	29.4 QP	46.0	-16.6	1.49 V	136	35.9	-6.5

Remarks:

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



Test Mode B

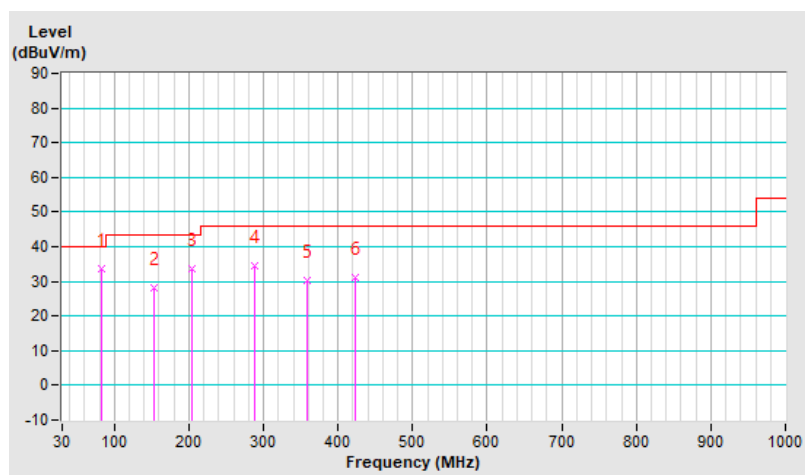
RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 67% RH
Tested By	Luis Lee		

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	82.38	33.5 QP	40.0	-6.5	1.49 H	3	40.0	-6.5
2	153.19	28.3 QP	43.5	-15.2	1.49 H	268	34.8	-6.5
3	204.60	33.8 QP	43.5	-9.7	1.49 H	189	40.3	-6.5
4	288.99	34.4 QP	46.0	-11.6	1.01 H	275	40.9	-6.5
5	358.83	30.1 QP	46.0	-15.9	1.01 H	286	36.6	-6.5
6	422.85	31.2 QP	46.0	-14.8	1.49 H	132	37.7	-6.5

Remarks:

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

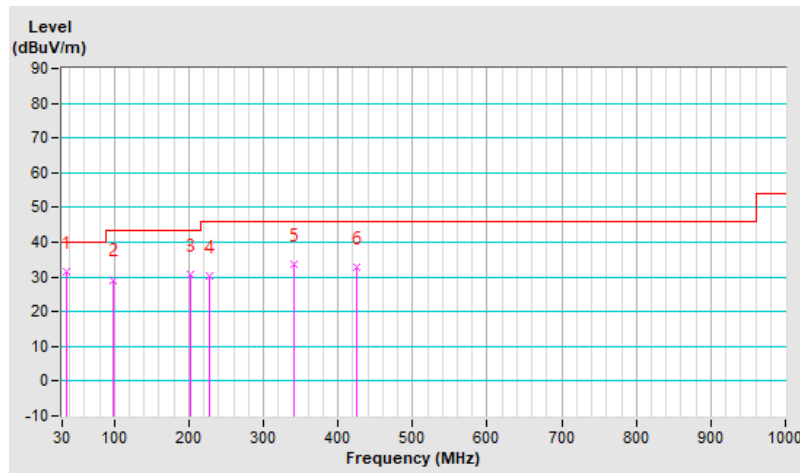


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 67% RH
Tested By	Luis Lee		

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	36.79	31.7 QP	40.0	-8.3	1.49 V	18	38.2	-6.5
2	97.90	29.2 QP	43.5	-14.3	1.49 V	18	35.7	-6.5
3	202.66	30.8 QP	43.5	-12.7	1.49 V	109	37.3	-6.5
4	227.88	30.4 QP	46.0	-15.6	1.00 V	60	36.9	-6.5
5	340.40	33.7 QP	46.0	-12.3	1.49 V	228	40.2	-6.5
6	425.76	32.9 QP	46.0	-13.1	1.00 V	170	39.4	-6.5

Remarks:

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



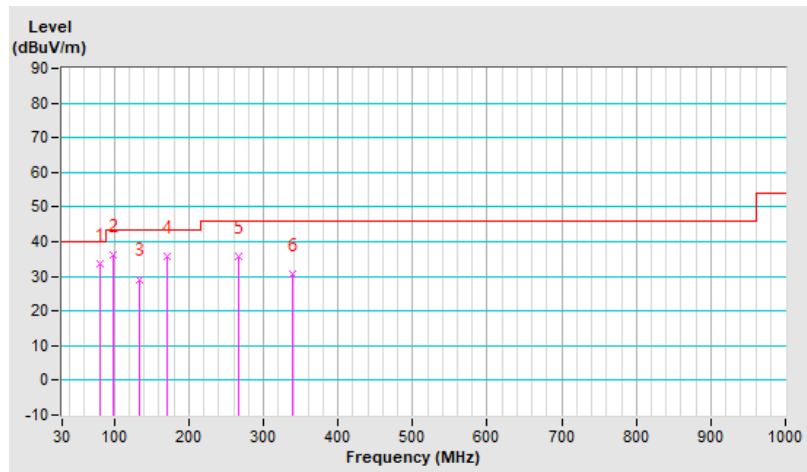
Test Mode C

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°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	80.44	33.7 QP	40.0	-6.3	1.01 H	178	40.2	-6.5
2	98.87	36.1 QP	43.5	-7.4	1.01 H	130	42.6	-6.5
3	133.79	29.2 QP	43.5	-14.3	1.01 H	255	35.7	-6.5
4	171.62	35.6 QP	43.5	-7.9	1.49 H	239	42.1	-6.5
5	266.68	35.6 QP	46.0	-10.4	1.01 H	225	42.1	-6.5
6	339.43	30.8 QP	46.0	-15.2	1.01 H	68	37.3	-6.5

Remarks:

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

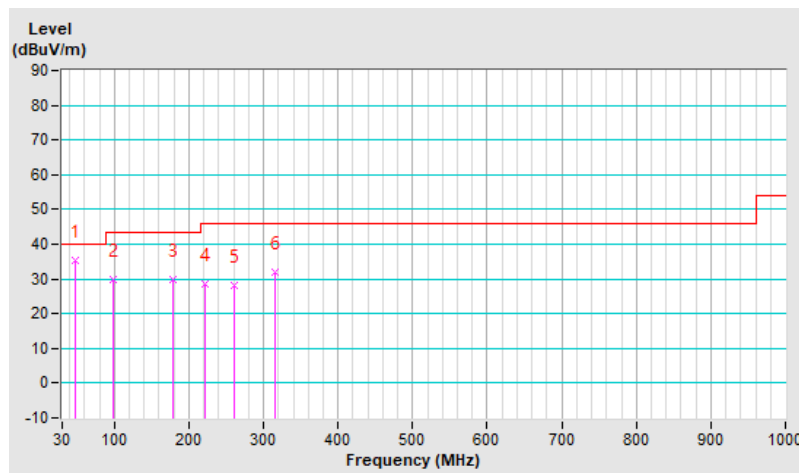


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 67% RH
Tested By	Luis Lee		

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	47.46	35.5 QP	40.0	-4.5	1.49 V	18	42.0	-6.5
2	97.90	29.9 QP	43.5	-13.6	1.49 V	18	36.4	-6.5
3	179.38	30.0 QP	43.5	-13.5	1.00 V	167	36.5	-6.5
4	222.06	28.5 QP	46.0	-17.5	1.00 V	305	35.0	-6.5
5	260.86	28.3 QP	46.0	-17.7	1.49 V	317	34.8	-6.5
6	315.18	32.0 QP	46.0	-14.0	1.00 V	211	38.5	-6.5

Remarks:

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



7.9 Unwanted Emissions above 1 GHz

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	1.97 H	170	49.3	12.7
2	5150.00	49.0 AV	54.0	-5.0	1.97 H	170	36.3	12.7
3	*5180.00	115.2 PK			1.97 H	170	72.1	43.1
4	*5180.00	106.2 AV			1.97 H	170	63.1	43.1
5	#10360.00	59.9 PK	68.2	-8.3	1.95 H	236	38.2	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	66.2 PK	74.0	-7.8	1.55 V	121	53.5	12.7
2	5150.00	53.5 AV	54.0	-0.5	1.55 V	121	40.8	12.7
3	*5180.00	120.0 PK			1.55 V	121	76.9	43.1
4	*5180.00	110.3 AV			1.55 V	121	67.2	43.1
5	#10360.00	60.2 PK	68.2	-8.0	2.25 V	195	38.5	21.7

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	115.7 PK			2.15 H	176	72.7	43.0
2	*5200.00	106.4 AV			2.15 H	176	63.4	43.0
3	#10400.00	60.7 PK	68.2	-7.5	1.88 H	228	38.7	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	121.8 PK			1.60 V	122	78.8	43.0
2	*5200.00	111.9 AV			1.60 V	122	68.9	43.0
3	#10400.00	61.0 PK	68.2	-7.2	2.29 V	192	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	116.3 PK			2.09 H	172	73.3	43.0
2	*5240.00	106.5 AV			2.09 H	172	63.5	43.0
3	5350.00	60.4 PK	74.0	-13.6	2.09 H	172	47.5	12.9
4	5350.00	47.4 AV	54.0	-6.6	2.09 H	172	34.5	12.9
5	#10480.00	60.5 PK	68.2	-7.7	1.92 H	226	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	*5240.00	122.1 PK			1.56 V	121	79.1	43.0
2	*5240.00	112.4 AV			1.56 V	121	69.4	43.0
3	5350.00	61.1 PK	74.0	-12.9	1.56 V	121	48.2	12.9
4	5350.00	48.1 AV	54.0	-5.9	1.56 V	121	35.2	12.9
5	#10480.00	60.8 PK	68.2	-7.4	2.21 V	189	38.9	21.9

Remarks:

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



RF Mode	802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.7 PK	74.0	-12.3	1.98 H	168	49.0	12.7
2	5150.00	49.2 AV	54.0	-4.8	1.98 H	168	36.5	12.7
3	*5180.00	116.8 PK			1.98 H	168	73.7	43.1
4	*5180.00	104.4 AV			1.98 H	168	61.3	43.1
5	#10360.00	60.2 PK	68.2	-8.0	1.92 H	225	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	66.7 PK	74.0	-7.3	1.55 V	119	54.0	12.7
2	5150.00	53.5 AV	54.0	-0.5	1.55 V	119	40.8	12.7
3	*5180.00	121.5 PK			1.55 V	119	78.4	43.1
4	*5180.00	109.2 AV			1.55 V	119	66.1	43.1
5	#10360.00	60.4 PK	68.2	-7.8	2.18 V	192	38.7	21.7

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	118.1 PK			2.09 H	167	75.1	43.0
2	*5200.00	105.7 AV			2.09 H	167	62.7	43.0
3	#10400.00	60.7 PK	68.2	-7.5	1.95 H	221	38.7	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	123.2 PK			1.53 V	124	80.2	43.0
2	*5200.00	111.1 AV			1.53 V	124	68.1	43.0
3	#10400.00	60.9 PK	68.2	-7.3	2.28 V	193	38.9	22.0

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	118.5 PK			2.08 H	170	75.5	43.0
2	*5240.00	106.2 AV			2.08 H	170	63.2	43.0
3	5350.00	60.9 PK	74.0	-13.1	2.08 H	170	48.0	12.9
4	5350.00	47.5 AV	54.0	-6.5	2.08 H	170	34.6	12.9
5	#10480.00	60.4 PK	68.2	-7.8	1.92 H	223	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	124.1 PK			1.64 V	117	81.1	43.0
2	*5240.00	111.2 AV			1.64 V	117	68.2	43.0
3	5350.00	61.3 PK	74.0	-12.7	1.64 V	117	48.4	12.9
4	5350.00	48.1 AV	54.0	-5.9	1.64 V	117	35.2	12.9
5	#10480.00	60.6 PK	68.2	-7.6	2.21 V	188	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.7 PK	74.0	-13.3	1.97 H	166	48.0	12.7
2	5150.00	48.7 AV	54.0	-5.3	1.97 H	166	36.0	12.7
3	*5190.00	111.6 PK			1.97 H	166	68.5	43.1
4	*5190.00	99.0 AV			1.97 H	166	55.9	43.1
5	#10380.00	60.1 PK	68.2	-8.1	1.82 H	221	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	66.4 PK	74.0	-7.6	1.53 V	212	53.7	12.7
2	5150.00	53.7 AV	54.0	-0.3	1.53 V	212	41.0	12.7
3	*5190.00	117.0 PK			1.53 V	212	73.9	43.1
4	*5190.00	104.9 AV			1.53 V	212	61.8	43.1
5	#10380.00	60.4 PK	68.2	-7.8	2.28 V	182	38.5	21.9

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.92 H	173	50.7	12.7
2	5150.00	50.1 AV	54.0	-3.9	1.92 H	173	37.4	12.7
3	*5230.00	115.3 PK			1.92 H	173	72.3	43.0
4	*5230.00	102.6 AV			1.92 H	173	59.6	43.0
5	5350.00	60.5 PK	74.0	-13.5	1.92 H	173	47.6	12.9
6	5350.00	47.5 AV	54.0	-6.5	1.92 H	173	34.6	12.9
7	#10460.00	60.5 PK	68.2	-7.7	1.95 H	228	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	68.3 PK	74.0	-5.7	1.62 V	215	55.6	12.7
2	5150.00	53.6 AV	54.0	-0.4	1.62 V	215	40.9	12.7
3	*5230.00	121.0 PK			1.62 V	215	78.0	43.0
4	*5230.00	108.3 AV			1.62 V	215	65.3	43.0
5	5350.00	61.1 PK	74.0	-12.9	1.62 V	215	48.2	12.9
6	5350.00	48.3 AV	54.0	-5.7	1.62 V	215	35.4	12.9
7	#10460.00	60.8 PK	68.2	-7.4	2.21 V	192	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 (EHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.2 PK	74.0	-12.8	1.89 H	170	48.5	12.7
2	5150.00	48.7 AV	54.0	-5.3	1.89 H	170	36.0	12.7
3	*5210.00	108.2 PK			1.89 H	170	65.2	43.0
4	*5210.00	95.7 AV			1.89 H	170	52.7	43.0
5	5350.00	60.9 PK	74.0	-13.1	1.89 H	170	48.0	12.9
6	5350.00	47.4 AV	54.0	-6.6	1.89 H	170	34.5	12.9
7	#10420.00	60.3 PK	68.2	-7.9	1.99 H	223	38.3	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	65.3 PK	74.0	-8.7	1.61 V	214	52.6	12.7
2	5150.00	53.5 AV	54.0	-0.5	1.61 V	214	40.8	12.7
3	*5210.00	114.5 PK			1.61 V	214	71.5	43.0
4	*5210.00	101.2 AV			1.61 V	214	58.2	43.0
5	5350.00	61.4 PK	74.0	-12.6	1.61 V	214	48.5	12.9
6	5350.00	48.2 AV	54.0	-5.8	1.61 V	214	35.3	12.9
7	#10420.00	60.5 PK	68.2	-7.7	2.21 V	189	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.2 PK	74.0	-13.8	1.88 H	172	47.5	12.7
2	5150.00	47.0 AV	54.0	-7.0	1.88 H	172	34.3	12.7
3	*5260.00	111.8 PK			1.88 H	172	68.8	43.0
4	*5260.00	101.7 AV			1.88 H	172	58.7	43.0
5	#10520.00	60.1 PK	68.2	-8.1	1.82 H	222	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	60.3 PK	74.0	-13.7	1.51 V	124	47.6	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.51 V	124	34.5	12.7
3	*5260.00	116.2 PK			1.51 V	124	73.2	43.0
4	*5260.00	106.9 AV			1.51 V	124	63.9	43.0
5	#10520.00	60.4 PK	68.2	-7.8	2.21 V	195	38.5	21.9

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	110.1 PK			2.15 H	167	67.0	43.1
2	*5300.00	100.9 AV			2.15 H	167	57.8	43.1
3	10600.00	60.5 PK	74.0	-13.5	1.89 H	223	38.5	22.0
4	10600.00	47.2 AV	54.0	-6.8	1.89 H	223	25.2	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	115.9 PK			1.61 V	130	72.8	43.1
2	*5300.00	106.3 AV			1.61 V	130	63.2	43.1
3	10600.00	60.6 PK	74.0	-13.4	2.28 V	199	38.6	22.0
4	10600.00	47.5 AV	54.0	-6.5	2.28 V	199	25.5	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.

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.3 PK			2.32 H	158	67.1	43.2
2	*5320.00	101.0 AV			2.32 H	158	57.8	43.2
3	5350.00	60.4 PK	74.0	-13.6	2.32 H	158	47.5	12.9
4	5350.00	48.6 AV	54.0	-5.4	2.32 H	158	35.7	12.9
5	10640.00	60.7 PK	74.0	-13.3	1.89 H	221	38.4	22.3
6	10640.00	47.5 AV	54.0	-6.5	1.89 H	221	25.2	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	116.4 PK			1.63 V	129	73.2	43.2
2	*5320.00	106.5 AV			1.63 V	129	63.3	43.2
3	5350.00	63.1 PK	74.0	-10.9	1.63 V	129	50.2	12.9
4	5350.00	49.9 AV	54.0	-4.1	1.63 V	129	37.0	12.9
5	10640.00	60.9 PK	74.0	-13.1	2.20 V	192	38.6	22.3
6	10640.00	47.7 AV	54.0	-6.3	2.20 V	192	25.4	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.2 PK	74.0	-13.8	2.34 H	165	47.5	12.7
2	5150.00	46.9 AV	54.0	-7.1	2.34 H	165	34.2	12.7
3	*5260.00	112.5 PK			2.34 H	165	69.5	43.0
4	*5260.00	99.7 AV			2.34 H	165	56.7	43.0
5	#10520.00	60.4 PK	68.2	-7.8	1.85 H	223	38.5	21.9

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.51 V	214	47.6	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.51 V	214	34.5	12.7
3	*5260.00	117.8 PK			1.51 V	214	74.8	43.0
4	*5260.00	106.1 AV			1.51 V	214	63.1	43.0
5	#10520.00	60.6 PK	68.2	-7.6	2.20 V	188	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 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	112.7 PK			2.18 H	157	69.6	43.1
2	*5300.00	100.2 AV			2.18 H	157	57.1	43.1
3	10600.00	60.5 PK	74.0	-13.5	1.85 H	221	38.5	22.0
4	10600.00	47.0 AV	54.0	-7.0	1.85 H	221	25.0	22.0

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.6 PK			1.51 V	211	74.5	43.1
2	*5300.00	105.9 AV			1.51 V	211	62.8	43.1
3	10600.00	60.7 PK	74.0	-13.3	2.19 V	186	38.7	22.0
4	10600.00	47.4 AV	54.0	-6.6	2.19 V	186	25.4	22.0

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.0 PK			1.98 H	162	68.8	43.2
2	*5320.00	99.8 AV			1.98 H	162	56.6	43.2
3	5350.00	60.9 PK	74.0	-13.1	1.98 H	162	48.0	12.9
4	5350.00	47.9 AV	54.0	-6.1	1.98 H	162	35.0	12.9
5	10640.00	60.8 PK	74.0	-13.2	1.95 H	228	38.5	22.3
6	10640.00	47.5 AV	54.0	-6.5	1.95 H	228	25.2	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	118.0 PK			1.48 V	210	74.8	43.2
2	*5320.00	106.0 AV			1.48 V	210	62.8	43.2
3	5350.00	63.5 PK	74.0	-10.5	1.48 V	210	50.6	12.9
4	5350.00	51.1 AV	54.0	-2.9	1.48 V	210	38.2	12.9
5	10640.00	61.0 PK	74.0	-13.0	2.21 V	193	38.7	22.3
6	10640.00	47.8 AV	54.0	-6.2	2.21 V	193	25.5	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.



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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.2 PK	74.0	-13.8	1.97 H	162	47.5	12.7
2	5150.00	46.9 AV	54.0	-7.1	1.97 H	162	34.2	12.7
3	*5270.00	110.4 PK			1.97 H	162	67.4	43.0
4	*5270.00	98.1 AV			1.97 H	162	55.1	43.0
5	#10540.00	60.1 PK	68.2	-8.1	1.82 H	224	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	60.7 PK	74.0	-13.3	1.48 V	212	48.0	12.7
2	5150.00	47.2 AV	54.0	-6.8	1.48 V	212	34.5	12.7
3	*5270.00	115.4 PK			1.48 V	212	72.4	43.0
4	*5270.00	103.2 AV			1.48 V	212	60.2	43.0
5	#10540.00	60.4 PK	68.2	-7.8	2.19 V	189	38.5	21.9

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.7 PK			1.87 H	165	67.6	43.1
2	*5310.00	98.0 AV			1.87 H	165	54.9	43.1
3	5350.00	61.5 PK	74.0	-12.5	1.87 H	165	48.6	12.9
4	5350.00	49.3 AV	54.0	-4.7	1.87 H	165	36.4	12.9
5	10620.00	60.3 PK	74.0	-13.7	1.89 H	231	38.2	22.1
6	10620.00	47.1 AV	54.0	-6.9	1.89 H	231	25.0	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	115.4 PK			1.47 V	212	72.3	43.1
2	*5310.00	102.7 AV			1.47 V	212	59.6	43.1
3	5350.00	65.1 PK	74.0	-8.9	1.47 V	212	52.2	12.9
4	5350.00	52.7 AV	54.0	-1.3	1.47 V	212	39.8	12.9
5	10620.00	60.6 PK	74.0	-13.4	2.22 V	185	38.5	22.1
6	10620.00	47.5 AV	54.0	-6.5	2.22 V	185	25.4	22.1

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.89 H	170	47.6	12.7
2	5150.00	47.3 AV	54.0	-6.7	1.89 H	170	34.6	12.7
3	*5290.00	107.4 PK			1.89 H	170	64.3	43.1
4	*5290.00	95.1 AV			1.89 H	170	52.0	43.1
5	5350.00	60.9 PK	74.0	-13.1	1.89 H	170	48.0	12.9
6	5350.00	48.1 AV	54.0	-5.9	1.89 H	170	35.2	12.9
7	#10580.00	60.2 PK	68.2	-8.0	1.89 H	229	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	60.7 PK	74.0	-13.3	1.47 V	213	48.0	12.7
2	5150.00	48.1 AV	54.0	-5.9	1.47 V	213	35.4	12.7
3	*5290.00	113.2 PK			1.47 V	213	70.1	43.1
4	*5290.00	100.6 AV			1.47 V	213	57.5	43.1
5	5350.00	62.7 PK	74.0	-11.3	1.47 V	213	49.8	12.9
6	5350.00	50.2 AV	54.0	-3.8	1.47 V	213	37.3	12.9
7	#10580.00	60.4 PK	68.2	-7.8	2.21 V	182	38.4	22.0

Remarks:

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



RF Mode	802.11be (EHT160)	Channel	CH 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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.4 PK	74.0	-8.6	1.91 H	175	52.7	12.7
2	5150.00	49.9 AV	54.0	-4.1	1.91 H	175	37.2	12.7
3	*5250.00	105.0 PK			1.91 H	175	62.1	42.9
4	*5250.00	92.1 AV			1.91 H	175	49.2	42.9
5	5350.00	61.9 PK	74.0	-12.1	1.91 H	175	49.0	12.9
6	5350.00	48.5 AV	54.0	-5.5	1.91 H	175	35.6	12.9
7	#10500.00	60.1 PK	68.2	-8.1	1.90 H	221	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	69.2 PK	74.0	-4.8	1.50 V	209	56.5	12.7
2	5150.00	53.7 AV	54.0	-0.3	1.50 V	209	41.0	12.7
3	*5250.00	110.2 PK			1.50 V	209	67.3	42.9
4	*5250.00	97.2 AV			1.50 V	209	54.3	42.9
5	5350.00	70.4 PK	74.0	-3.6	1.50 V	209	57.5	12.9
6	5350.00	51.7 AV	54.0	-2.3	1.50 V	209	38.8	12.9
7	#10500.00	60.4 PK	68.2	-7.8	2.20 V	189	38.5	21.9

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.5 PK	74.0	-13.5	1.98 H	155	47.5	13.0
2	5460.00	47.5 AV	54.0	-6.5	1.98 H	155	34.5	13.0
3	#5470.00	61.5 PK	68.2	-6.7	1.98 H	155	48.5	13.0
4	*5500.00	109.1 PK			1.98 H	155	65.6	43.5
5	*5500.00	99.4 AV			1.98 H	155	55.9	43.5
6	11000.00	61.3 PK	74.0	-12.7	1.95 H	223	38.5	22.8
7	11000.00	48.0 AV	54.0	-6.0	1.95 H	223	25.2	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	60.7 PK	74.0	-13.3	1.64 V	133	47.7	13.0
2	5460.00	48.0 AV	54.0	-6.0	1.64 V	133	35.0	13.0
3	#5470.00	63.0 PK	68.2	-5.2	1.64 V	133	50.0	13.0
4	*5500.00	115.4 PK			1.64 V	133	71.9	43.5
5	*5500.00	105.6 AV			1.64 V	133	62.1	43.5
6	11000.00	61.5 PK	74.0	-12.5	2.22 V	189	38.7	22.8
7	11000.00	48.3 AV	54.0	-5.7	2.22 V	189	25.5	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	109.5 PK			2.00 H	142	65.9	43.6
2	*5580.00	99.7 AV			2.00 H	142	56.1	43.6
3	11160.00	60.7 PK	74.0	-13.3	1.89 H	231	38.4	22.3
4	11160.00	47.5 AV	54.0	-6.5	1.89 H	231	25.2	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	115.9 PK			1.54 V	131	72.3	43.6
2	*5580.00	105.8 AV			1.54 V	131	62.2	43.6
3	11160.00	60.9 PK	74.0	-13.1	2.21 V	182	38.6	22.3
4	11160.00	47.7 AV	54.0	-6.3	2.21 V	182	25.4	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	109.1 PK			1.99 H	141	64.9	44.2
2	*5700.00	99.4 AV			1.99 H	141	55.2	44.2
3	#5725.00	62.2 PK	68.2	-6.0	1.99 H	141	48.5	13.7
4	11400.00	61.8 PK	74.0	-12.2	1.82 H	213	38.4	23.4
5	11400.00	48.5 AV	54.0	-5.5	1.82 H	213	25.1	23.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.2 PK			1.54 V	131	70.0	44.2
2	*5700.00	104.1 AV			1.54 V	131	59.9	44.2
3	#5725.00	68.0 PK	68.2	-0.2	1.54 V	131	54.3	13.7
4	11400.00	62.0 PK	74.0	-12.0	2.09 V	188	38.6	23.4
5	11400.00	48.8 AV	54.0	-5.2	2.09 V	188	25.4	23.4

Remarks:

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.5 PK	68.2	-7.7	2.08 H	145	47.5	13.0
2	*5720.00	110.6 PK			2.08 H	145	66.2	44.4
3	*5720.00	100.8 AV			2.08 H	145	56.4	44.4
4	#5850.00	61.7 PK	68.2	-6.5	2.08 H	145	47.7	14.0
5	11440.00	61.5 PK	74.0	-12.5	1.82 H	215	38.2	23.3
6	11440.00	48.5 AV	54.0	-5.5	1.82 H	215	25.2	23.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.8 PK	68.2	-7.4	1.51 V	135	47.8	13.0
2	*5720.00	115.3 PK			1.51 V	135	70.9	44.4
3	*5720.00	105.2 AV			1.51 V	135	60.8	44.4
4	#5850.00	62.0 PK	68.2	-6.2	1.51 V	135	48.0	14.0
5	11440.00	61.8 PK	74.0	-12.2	2.21 V	195	38.5	23.3
6	11440.00	48.8 AV	54.0	-5.2	2.21 V	195	25.5	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 (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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.6 PK	74.0	-13.4	2.05 H	158	47.6	13.0
2	5460.00	47.8 AV	54.0	-6.2	2.05 H	158	34.8	13.0
3	#5470.00	62.0 PK	68.2	-6.2	2.05 H	158	49.0	13.0
4	*5500.00	111.7 PK			2.05 H	158	68.2	43.5
5	*5500.00	99.1 AV			2.05 H	158	55.6	43.5
6	11000.00	61.2 PK	74.0	-12.8	1.92 H	223	38.4	22.8
7	11000.00	48.0 AV	54.0	-6.0	1.92 H	223	25.2	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	62.3 PK	74.0	-11.7	1.53 V	129	49.3	13.0
2	5460.00	49.3 AV	54.0	-4.7	1.53 V	129	36.3	13.0
3	#5470.00	63.5 PK	68.2	-4.7	1.53 V	129	50.5	13.0
4	*5500.00	117.2 PK			1.53 V	129	73.7	43.5
5	*5500.00	104.6 AV			1.53 V	129	61.1	43.5
6	11000.00	61.4 PK	74.0	-12.6	2.25 V	187	38.6	22.8
7	11000.00	48.2 AV	54.0	-5.8	2.25 V	187	25.4	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	802.11be (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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	112.0 PK			1.90 H	156	68.4	43.6
2	*5580.00	99.3 AV			1.90 H	156	55.7	43.6
3	11160.00	60.8 PK	74.0	-13.2	1.93 H	220	38.5	22.3
4	11160.00	47.5 AV	54.0	-6.5	1.93 H	220	25.2	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	117.2 PK			1.51 V	128	73.6	43.6
2	*5580.00	104.8 AV			1.51 V	128	61.2	43.6
3	11160.00	61.0 PK	74.0	-13.0	2.19 V	192	38.7	22.3
4	11160.00	47.8 AV	54.0	-6.2	2.19 V	192	25.5	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.



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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.6 PK			2.02 H	140	66.4	44.2
2	*5700.00	98.4 AV			2.02 H	140	54.2	44.2
3	#5725.00	62.2 PK	68.2	-6.0	2.02 H	140	48.5	13.7
4	11400.00	61.6 PK	74.0	-12.4	1.95 H	223	38.2	23.4
5	11400.00	48.5 AV	54.0	-5.5	1.95 H	223	25.1	23.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	116.3 PK			1.50 V	125	72.1	44.2
2	*5700.00	103.2 AV			1.50 V	125	59.0	44.2
3	#5725.00	67.7 PK	68.2	-0.5	1.50 V	125	54.0	13.7
4	11400.00	62.0 PK	74.0	-12.0	2.21 V	192	38.6	23.4
5	11400.00	48.8 AV	54.0	-5.2	2.21 V	192	25.4	23.4

Remarks:

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.0 PK	68.2	-7.2	2.04 H	144	48.0	13.0
2	*5720.00	112.1 PK			2.04 H	144	67.7	44.4
3	*5720.00	99.9 AV			2.04 H	144	55.5	44.4
4	#5850.00	62.1 PK	68.2	-6.1	2.04 H	144	48.1	14.0
5	11440.00	61.7 PK	74.0	-12.3	1.95 H	228	38.4	23.3
6	11440.00	48.5 AV	54.0	-5.5	1.95 H	228	25.2	23.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.5 PK	68.2	-6.7	1.59 V	128	48.5	13.0
2	*5720.00	117.0 PK			1.59 V	128	72.6	44.4
3	*5720.00	104.5 AV			1.59 V	128	60.1	44.4
4	#5850.00	62.6 PK	68.2	-5.6	1.59 V	128	48.6	14.0
5	11440.00	61.9 PK	74.0	-12.1	2.18 V	188	38.6	23.3
6	11440.00	48.8 AV	54.0	-5.2	2.18 V	188	25.5	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	2.03 H	160	48.0	13.0
2	5460.00	48.0 AV	54.0	-6.0	2.03 H	160	35.0	13.0
3	#5470.00	62.0 PK	68.2	-6.2	2.03 H	160	49.0	13.0
4	*5510.00	109.0 PK			2.03 H	160	65.4	43.6
5	*5510.00	96.3 AV			2.03 H	160	52.7	43.6
6	11020.00	60.9 PK	74.0	-13.1	1.86 H	231	38.2	22.7
7	11020.00	47.8 AV	54.0	-6.2	1.86 H	231	25.1	22.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.2 PK	74.0	-10.8	1.61 V	132	50.2	13.0
2	5460.00	50.3 AV	54.0	-3.7	1.61 V	132	37.3	13.0
3	#5470.00	66.6 PK	68.2	-1.6	1.61 V	132	53.6	13.0
4	*5510.00	114.6 PK			1.61 V	132	71.0	43.6
5	*5510.00	101.9 AV			1.61 V	132	58.3	43.6
6	11020.00	61.2 PK	74.0	-12.8	2.21 V	197	38.5	22.7
7	11020.00	48.1 AV	54.0	-5.9	2.21 V	197	25.4	22.7

Remarks:

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

RF Mode	802.11be (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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	108.6 PK			2.01 H	160	65.0	43.6
2	*5550.00	96.7 AV			2.01 H	160	53.1	43.6
3	11100.00	60.5 PK	74.0	-13.5	1.92 H	223	38.2	22.3
4	11100.00	47.4 AV	54.0	-6.6	1.92 H	223	25.1	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	114.6 PK			1.60 V	132	71.0	43.6
2	*5550.00	101.8 AV			1.60 V	132	58.2	43.6
3	11100.00	60.9 PK	74.0	-13.1	2.25 V	195	38.6	22.3
4	11100.00	47.7 AV	54.0	-6.3	2.25 V	195	25.4	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	110.4 PK			2.17 H	144	66.3	44.1
2	*5670.00	97.9 AV			2.17 H	144	53.8	44.1
3	#5725.00	62.9 PK	68.2	-5.3	2.17 H	144	49.2	13.7
4	11340.00	61.1 PK	74.0	-12.9	1.85 H	231	38.2	22.9
5	11340.00	48.1 AV	54.0	-5.9	1.85 H	231	25.2	22.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	114.8 PK			1.58 V	129	70.7	44.1
2	*5670.00	102.3 AV			1.58 V	129	58.2	44.1
3	#5725.00	67.0 PK	68.2	-1.2	1.58 V	129	53.3	13.7
4	11340.00	61.4 PK	74.0	-12.6	2.18 V	192	38.5	22.9
5	11340.00	48.5 AV	54.0	-5.5	2.18 V	192	25.6	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.3 PK	68.2	-7.9	2.06 H	144	47.3	13.0
2	*5710.00	109.9 PK			2.06 H	144	65.6	44.3
3	*5710.00	97.6 AV			2.06 H	144	53.3	44.3
4	#5850.00	61.5 PK	68.2	-6.7	2.06 H	144	47.5	14.0
5	11420.00	61.8 PK	74.0	-12.2	1.89 H	226	38.4	23.4
6	11420.00	48.6 AV	54.0	-5.4	1.89 H	226	25.2	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	60.6 PK	68.2	-7.6	1.54 V	128	47.6	13.0
2	*5710.00	115.3 PK			1.54 V	128	71.0	44.3
3	*5710.00	102.5 AV			1.54 V	128	58.2	44.3
4	#5850.00	61.8 PK	68.2	-6.4	1.54 V	128	47.8	14.0
5	11420.00	62.0 PK	74.0	-12.0	2.18 V	189	38.6	23.4
6	11420.00	48.9 AV	54.0	-5.1	2.18 V	189	25.5	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.9 PK	74.0	-12.1	1.99 H	159	48.9	13.0
2	5460.00	48.8 AV	54.0	-5.2	1.99 H	159	35.8	13.0
3	#5470.00	62.2 PK	68.2	-6.0	1.99 H	159	49.2	13.0
4	*5530.00	106.3 PK			1.99 H	159	62.7	43.6
5	*5530.00	93.7 AV			1.99 H	159	50.1	43.6
6	11060.00	60.6 PK	74.0	-13.4	1.95 H	229	38.2	22.4
7	11060.00	47.6 AV	54.0	-6.4	1.95 H	229	25.2	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	66.0 PK	74.0	-8.0	1.53 V	129	53.0	13.0
2	5460.00	52.7 AV	54.0	-1.3	1.53 V	129	39.7	13.0
3	#5470.00	67.2 PK	68.2	-1.0	1.53 V	129	54.2	13.0
4	*5530.00	111.9 PK			1.53 V	129	68.3	43.6
5	*5530.00	99.7 AV			1.53 V	129	56.1	43.6
6	11060.00	60.9 PK	74.0	-13.1	2.22 V	185	38.5	22.4
7	11060.00	47.8 AV	54.0	-6.2	2.22 V	185	25.4	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	106.1 PK			1.82 H	161	62.4	43.7
2	*5610.00	94.4 AV			1.82 H	161	50.7	43.7
3	#5725.00	61.2 PK	68.2	-7.0	1.82 H	161	47.5	13.7
4	11220.00	60.6 PK	74.0	-13.4	1.94 H	223	38.2	22.4
5	11220.00	47.5 AV	54.0	-6.5	1.94 H	223	25.1	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	112.6 PK			1.47 V	131	68.9	43.7
2	*5610.00	100.0 AV			1.47 V	131	56.3	43.7
3	#5725.00	63.2 PK	68.2	-5.0	1.47 V	131	49.5	13.7
4	11220.00	60.8 PK	74.0	-13.2	2.18 V	199	38.4	22.4
5	11220.00	47.7 AV	54.0	-6.3	2.18 V	199	25.3	22.4

Remarks:

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.4 PK	68.2	-7.8	2.02 H	139	47.4	13.0
2	*5690.00	107.4 PK			2.02 H	139	63.3	44.1
3	*5690.00	94.4 AV			2.02 H	139	50.3	44.1
4	#5850.00	61.5 PK	68.2	-6.7	2.02 H	139	47.5	14.0
5	11380.00	61.3 PK	74.0	-12.7	1.95 H	229	38.2	23.1
6	11380.00	48.2 AV	54.0	-5.8	1.95 H	229	25.1	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	#5470.00	60.6 PK	68.2	-7.6	1.44 V	130	47.6	13.0
2	*5690.00	111.8 PK			1.44 V	130	67.7	44.1
3	*5690.00	99.3 AV			1.44 V	130	55.2	44.1
4	#5850.00	61.8 PK	68.2	-6.4	1.44 V	130	47.8	14.0
5	11380.00	61.6 PK	74.0	-12.4	2.16 V	195	38.5	23.1
6	11380.00	48.5 AV	54.0	-5.5	2.16 V	195	25.4	23.1

Remarks:

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



RF Mode	802.11be (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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	2.08 H	147	48.5	13.0
2	5460.00	48.0 AV	54.0	-6.0	2.08 H	147	35.0	13.0
3	#5470.00	61.5 PK	68.2	-6.7	2.08 H	147	48.5	13.0
4	*5570.00	102.7 PK			2.08 H	147	59.0	43.7
5	*5570.00	90.5 AV			2.08 H	147	46.8	43.7
6	#5725.00	61.7 PK	68.2	-6.5	2.08 H	147	48.0	13.7
7	11140.00	60.5 PK	74.0	-13.5	1.99 H	223	38.2	22.3
8	11140.00	47.3 AV	54.0	-6.7	1.99 H	223	25.0	22.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.1 PK	74.0	-8.9	1.65 V	129	52.1	13.0
2	5460.00	51.7 AV	54.0	-2.3	1.65 V	129	38.7	13.0
3	#5470.00	67.8 PK	68.2	-0.4	1.65 V	129	54.8	13.0
4	*5570.00	107.7 PK			1.65 V	129	64.0	43.7
5	*5570.00	95.3 AV			1.65 V	129	51.6	43.7
6	#5725.00	64.3 PK	68.2	-3.9	1.65 V	129	50.6	13.7
7	11140.00	60.7 PK	74.0	-13.3	2.21 V	192	38.4	22.3
8	11140.00	47.5 AV	54.0	-6.5	2.21 V	192	25.2	22.3

Remarks:

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.20	60.1 PK	68.2	-8.1	2.16 H	147	46.9	13.2
2	*5745.00	117.4 PK			2.16 H	147	72.8	44.6
3	*5745.00	108.0 AV			2.16 H	147	63.4	44.6
4	#5964.80	61.0 PK	68.2	-7.2	2.16 H	147	46.7	14.3
5	11490.00	61.7 PK	74.0	-12.3	1.92 H	223	38.5	23.2
6	11490.00	48.4 AV	54.0	-5.6	1.92 H	223	25.2	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	#5645.60	60.3 PK	68.2	-7.9	1.52 V	127	47.0	13.3
2	*5745.00	121.9 PK			1.52 V	127	77.3	44.6
3	*5745.00	112.1 AV			1.52 V	127	67.5	44.6
4	#5964.00	61.3 PK	68.2	-6.9	1.52 V	127	47.0	14.3
5	11490.00	62.0 PK	74.0	-12.0	2.08 V	185	38.8	23.2
6	11490.00	48.8 AV	54.0	-5.2	2.08 V	185	25.6	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5613.20	59.7 PK	68.2	-8.5	1.98 H	144	46.6	13.1
2	*5785.00	118.0 PK			1.98 H	144	73.2	44.8
3	*5785.00	108.2 AV			1.98 H	144	63.4	44.8
4	#5941.20	60.1 PK	68.2	-8.1	1.98 H	144	45.9	14.2
5	11570.00	61.5 PK	74.0	-12.5	1.99 H	228	38.5	23.0
6	11570.00	48.3 AV	54.0	-5.7	1.99 H	228	25.3	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	#5631.60	61.0 PK	68.2	-7.2	1.46 V	127	47.9	13.1
2	*5785.00	121.8 PK			1.46 V	127	77.0	44.8
3	*5785.00	112.0 AV			1.46 V	127	67.2	44.8
4	#5954.00	61.9 PK	68.2	-6.3	1.46 V	127	47.7	14.2
5	11570.00	61.7 PK	74.0	-12.3	2.10 V	187	38.7	23.0
6	11570.00	48.5 AV	54.0	-5.5	2.10 V	187	25.5	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5629.20	60.0 PK	68.2	-8.2	1.96 H	141	46.9	13.1
2	*5825.00	117.9 PK			1.96 H	141	73.2	44.7
3	*5825.00	107.6 AV			1.96 H	141	62.9	44.7
4	#5995.20	60.2 PK	68.2	-8.0	1.96 H	141	45.8	14.4
5	11650.00	61.1 PK	74.0	-12.9	1.88 H	221	38.5	22.6
6	11650.00	47.8 AV	54.0	-6.2	1.88 H	221	25.2	22.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.40	60.3 PK	68.2	-7.9	1.45 V	120	47.2	13.1
2	*5825.00	121.0 PK			1.45 V	120	76.3	44.7
3	*5825.00	111.2 AV			1.45 V	120	66.5	44.7
4	#5966.80	61.1 PK	68.2	-7.1	1.45 V	120	46.8	14.3
5	11650.00	61.3 PK	74.0	-12.7	2.07 V	189	38.7	22.6
6	11650.00	48.0 AV	54.0	-6.0	2.07 V	189	25.4	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.40	59.4 PK	68.2	-8.8	1.97 H	143	46.3	13.1
2	*5745.00	119.3 PK			1.97 H	143	74.7	44.6
3	*5745.00	107.2 AV			1.97 H	143	62.6	44.6
4	#5952.80	61.0 PK	68.2	-7.2	1.97 H	143	46.8	14.2
5	11490.00	61.7 PK	74.0	-12.3	1.95 H	228	38.5	23.2
6	11490.00	48.5 AV	54.0	-5.5	1.95 H	228	25.3	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	#5634.40	61.0 PK	68.2	-7.2	1.50 V	124	47.9	13.1
2	*5745.00	123.3 PK			1.50 V	124	78.7	44.6
3	*5745.00	110.4 AV			1.50 V	124	65.8	44.6
4	#5994.40	61.3 PK	68.2	-6.9	1.50 V	124	46.9	14.4
5	11490.00	61.9 PK	74.0	-12.1	2.11 V	185	38.7	23.2
6	11490.00	48.7 AV	54.0	-5.3	2.11 V	185	25.5	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5625.60	59.8 PK	68.2	-8.4	1.91 H	144	46.7	13.1
2	*5785.00	119.0 PK			1.91 H	144	74.2	44.8
3	*5785.00	106.9 AV			1.91 H	144	62.1	44.8
4	#5969.60	61.1 PK	68.2	-7.1	1.91 H	144	46.8	14.3
5	11570.00	61.5 PK	74.0	-12.5	1.82 H	221	38.5	23.0
6	11570.00	48.2 AV	54.0	-5.8	1.82 H	221	25.2	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	#5630.00	61.4 PK	68.2	-6.8	1.57 V	119	48.3	13.1
2	*5785.00	123.6 PK			1.57 V	119	78.8	44.8
3	*5785.00	110.9 AV			1.57 V	119	66.1	44.8
4	#5997.60	61.4 PK	68.2	-6.8	1.57 V	119	47.0	14.4
5	11570.00	61.7 PK	74.0	-12.3	2.13 V	185	38.7	23.0
6	11570.00	48.5 AV	54.0	-5.5	2.13 V	185	25.5	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.40	59.7 PK	68.2	-8.5	1.89 H	143	46.6	13.1
2	*5825.00	119.1 PK			1.89 H	143	74.4	44.7
3	*5825.00	106.7 AV			1.89 H	143	62.0	44.7
4	#5959.60	61.5 PK	68.2	-6.7	1.89 H	143	47.3	14.2
5	11650.00	60.8 PK	74.0	-13.2	1.89 H	231	38.2	22.6
6	11650.00	47.7 AV	54.0	-6.3	1.89 H	231	25.1	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	#5648.40	60.2 PK	68.2	-8.0	1.50 V	120	46.9	13.3
2	*5825.00	122.5 PK			1.50 V	120	77.8	44.7
3	*5825.00	109.8 AV			1.50 V	120	65.1	44.7
4	#5967.60	61.8 PK	68.2	-6.4	1.50 V	120	47.5	14.3
5	11650.00	61.2 PK	74.0	-12.8	2.07 V	189	38.6	22.6
6	11650.00	48.0 AV	54.0	-6.0	2.07 V	189	25.4	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.80	61.0 PK	68.2	-7.2	2.05 H	142	47.8	13.2
2	*5755.00	116.5 PK			2.05 H	142	71.9	44.6
3	*5755.00	103.2 AV			2.05 H	142	58.6	44.6
4	#5981.20	61.9 PK	68.2	-6.3	2.05 H	142	47.6	14.3
5	11510.00	61.6 PK	74.0	-12.4	1.89 H	229	38.5	23.1
6	11510.00	48.3 AV	54.0	-5.7	1.89 H	229	25.2	23.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.60	64.3 PK	68.2	-3.9	1.49 V	126	51.0	13.3
2	*5755.00	120.7 PK			1.49 V	126	76.1	44.6
3	*5755.00	108.0 AV			1.49 V	126	63.4	44.6
4	#5954.80	61.9 PK	68.2	-6.3	1.49 V	126	47.7	14.2
5	11510.00	61.8 PK	74.0	-12.2	2.18 V	187	38.7	23.1
6	11510.00	48.5 AV	54.0	-5.5	2.18 V	187	25.4	23.1

Remarks:

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



RF Mode	802.11be (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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.00	60.4 PK	68.2	-7.8	2.06 H	145	47.2	13.2
2	*5795.00	116.5 PK			2.06 H	145	71.7	44.8
3	*5795.00	103.4 AV			2.06 H	145	58.6	44.8
4	#5969.60	61.9 PK	68.2	-6.3	2.06 H	145	47.6	14.3
5	11590.00	61.1 PK	74.0	-12.9	1.91 H	220	38.3	22.8
6	11590.00	47.9 AV	54.0	-6.1	1.91 H	220	25.1	22.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.00	61.3 PK	68.2	-6.9	1.50 V	127	48.2	13.1
2	*5795.00	120.9 PK			1.50 V	127	76.1	44.8
3	*5795.00	107.5 AV			1.50 V	127	62.7	44.8
4	#5978.00	62.5 PK	68.2	-5.7	1.50 V	127	48.2	14.3
5	11590.00	61.4 PK	74.0	-12.6	2.12 V	182	38.6	22.8
6	11590.00	48.3 AV	54.0	-5.7	2.12 V	182	25.5	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	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	62.6 PK	68.2	-5.6	2.00 H	143	49.3	13.3
2	*5775.00	112.7 PK			2.00 H	143	68.0	44.7
3	*5775.00	99.1 AV			2.00 H	143	54.4	44.7
4	#5926.80	62.3 PK	68.2	-5.9	2.00 H	143	48.2	14.1
5	11550.00	61.2 PK	74.0	-12.8	1.85 H	223	38.2	23.0
6	11550.00	48.2 AV	54.0	-5.8	1.85 H	223	25.2	23.0

Antenna Polarity & Test Distance : Vertical at 3 m

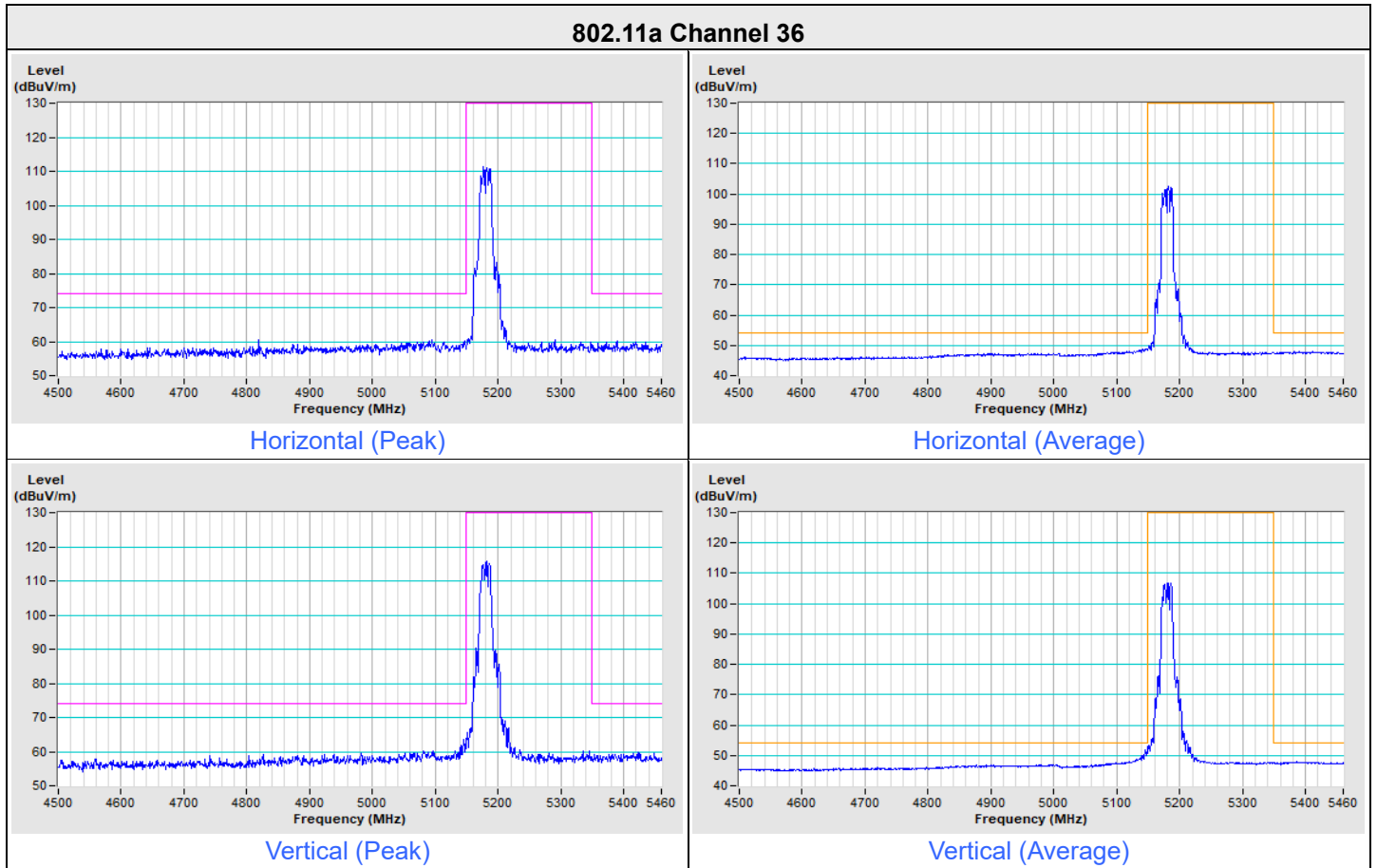
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.20	68.0 PK	68.2	-0.2	1.58 V	122	54.7	13.3
2	*5775.00	115.7 PK			1.58 V	122	71.0	44.7
3	*5775.00	103.7 AV			1.58 V	122	59.0	44.7
4	#5927.60	65.1 PK	68.2	-3.1	1.58 V	122	50.9	14.2
5	11550.00	61.5 PK	74.0	-12.5	2.18 V	192	38.5	23.0
6	11550.00	48.4 AV	54.0	-5.6	2.18 V	192	25.4	23.0

Remarks:

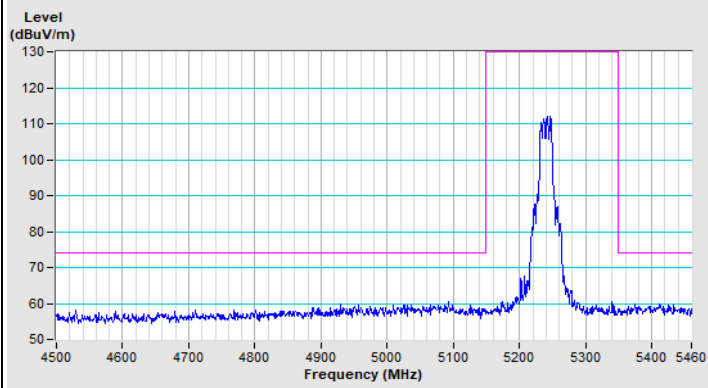
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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

Plot of Band Edge

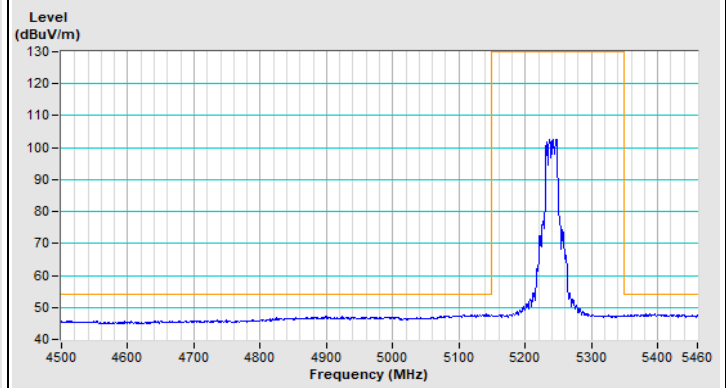
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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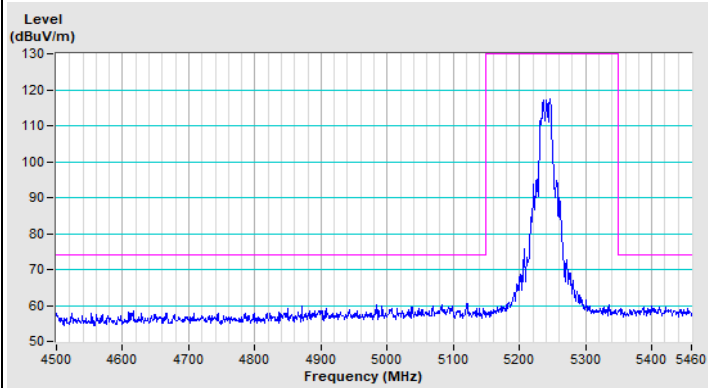
802.11a Channel 48



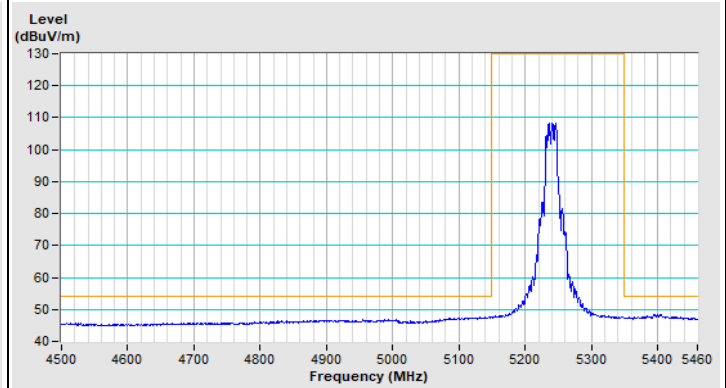
Horizontal (Peak)



Horizontal (Average)



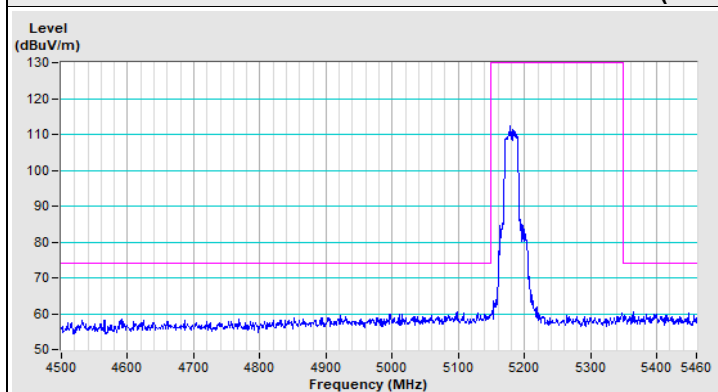
Vertical (Peak)



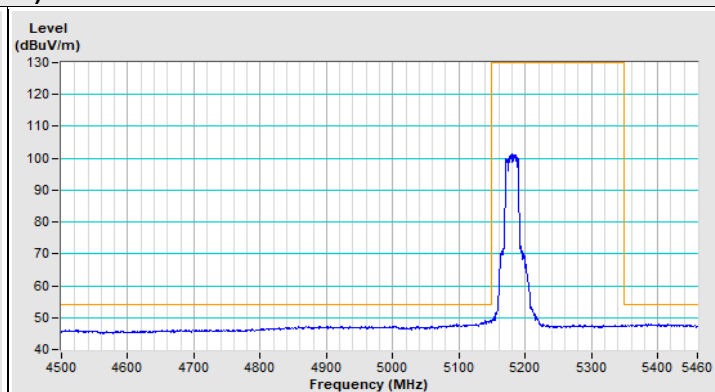
Vertical (Average)

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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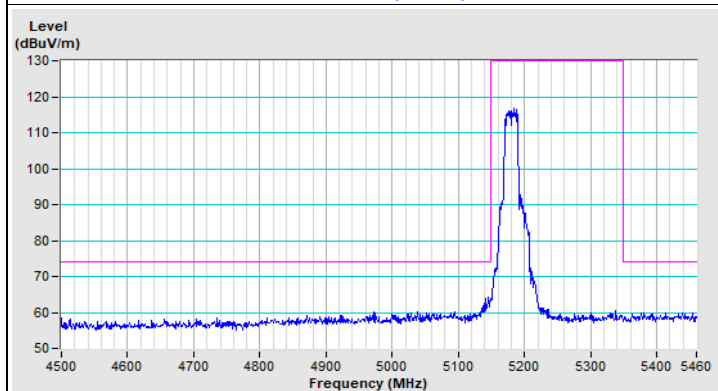
802.11be (EHT20) Channel 36



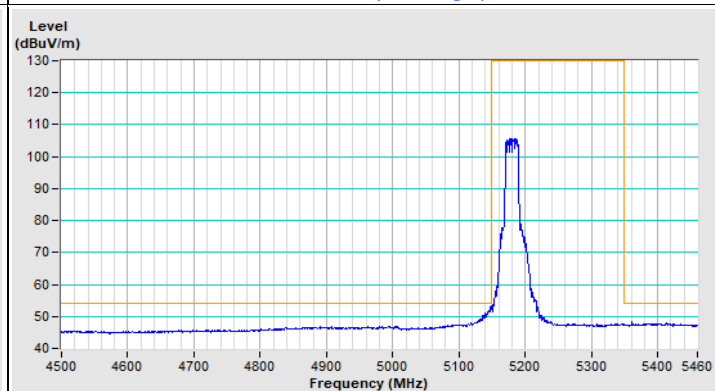
Horizontal (Peak)



Horizontal (Average)

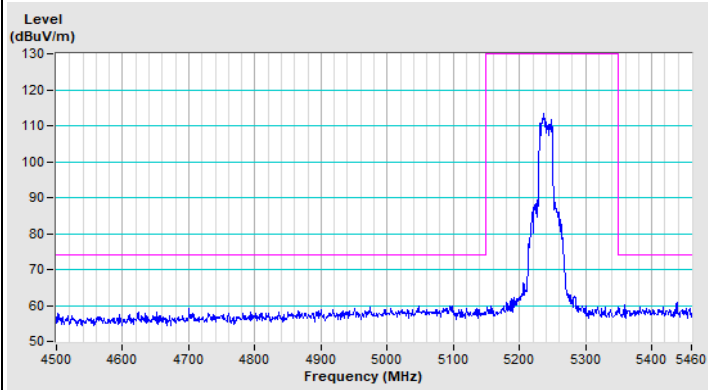


Vertical (Peak)

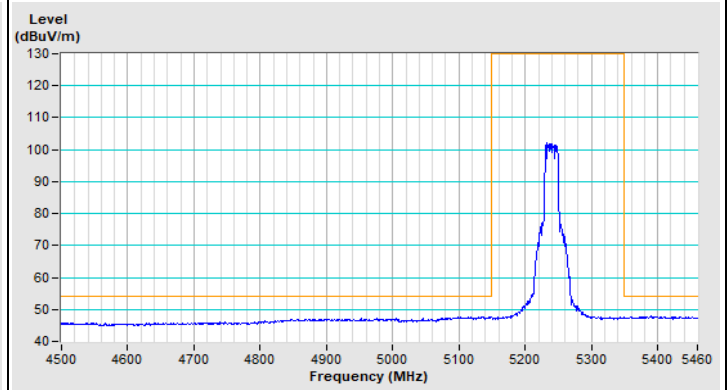


Vertical (Average)

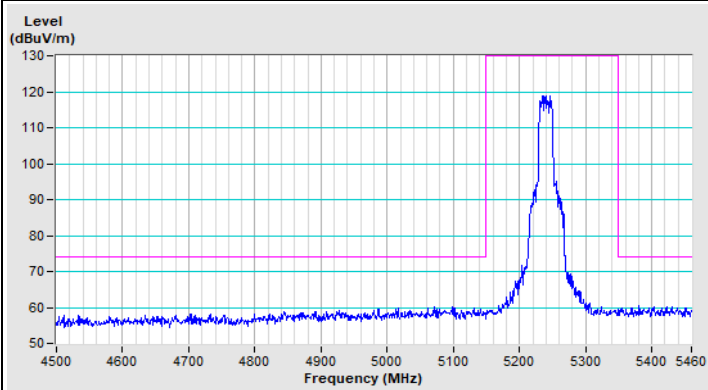
802.11be (EHT20) Channel 48



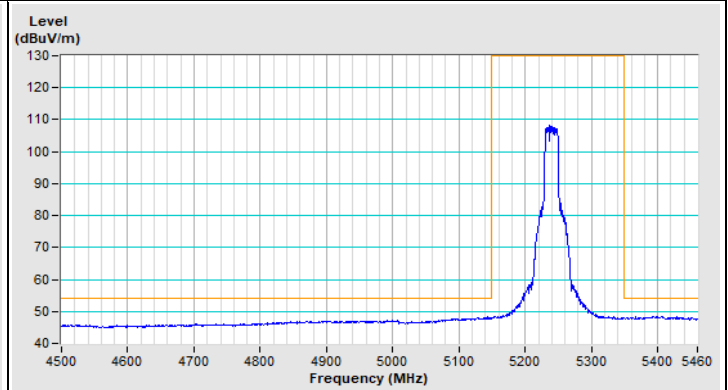
Horizontal (Peak)



Horizontal (Average)



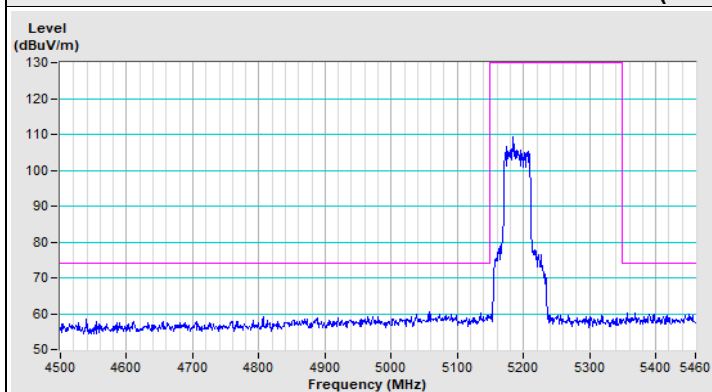
Vertical (Peak)



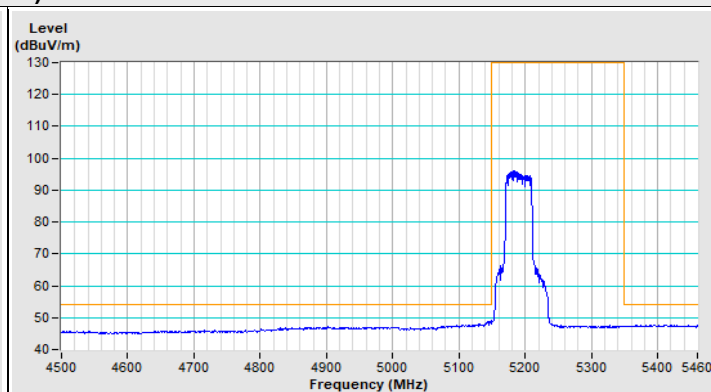
Vertical (Average)

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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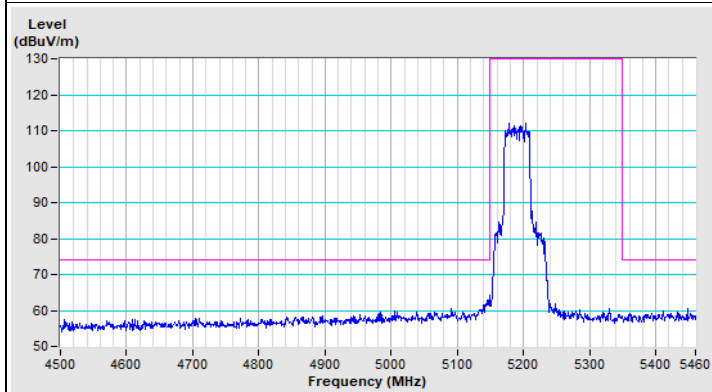
802.11be (EHT40) Channel 38



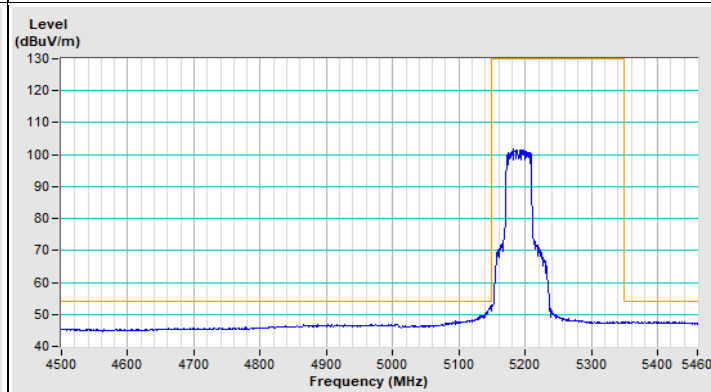
Horizontal (Peak)



Horizontal (Average)

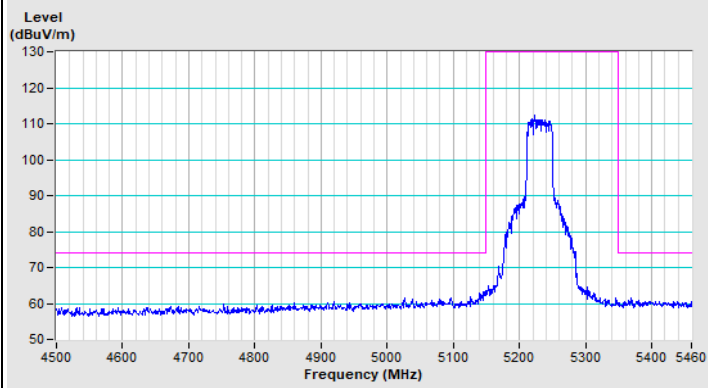


Vertical (Peak)

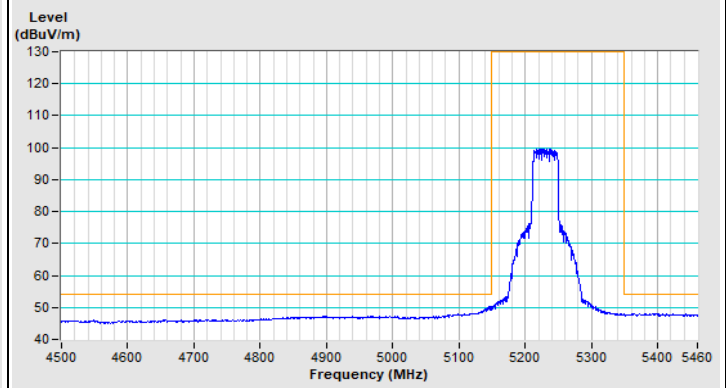


Vertical (Average)

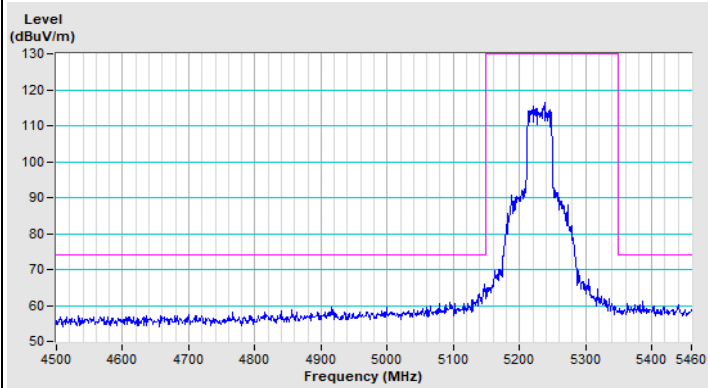
802.11be (EHT40) Channel 46



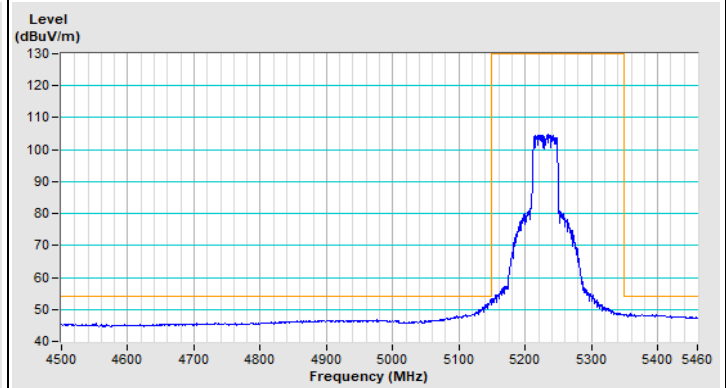
Horizontal (Peak)



Horizontal (Average)



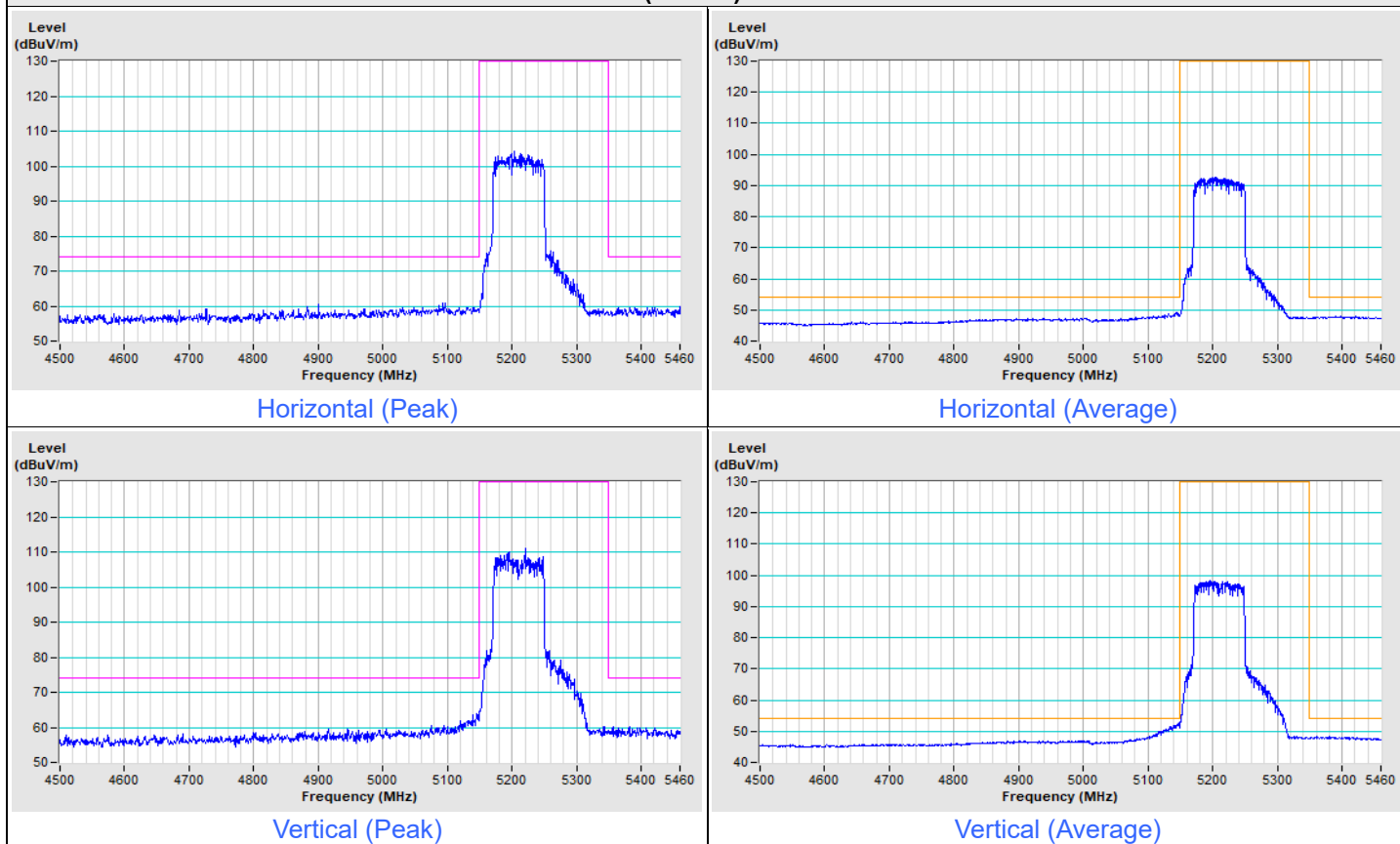
Vertical (Peak)



Vertical (Average)

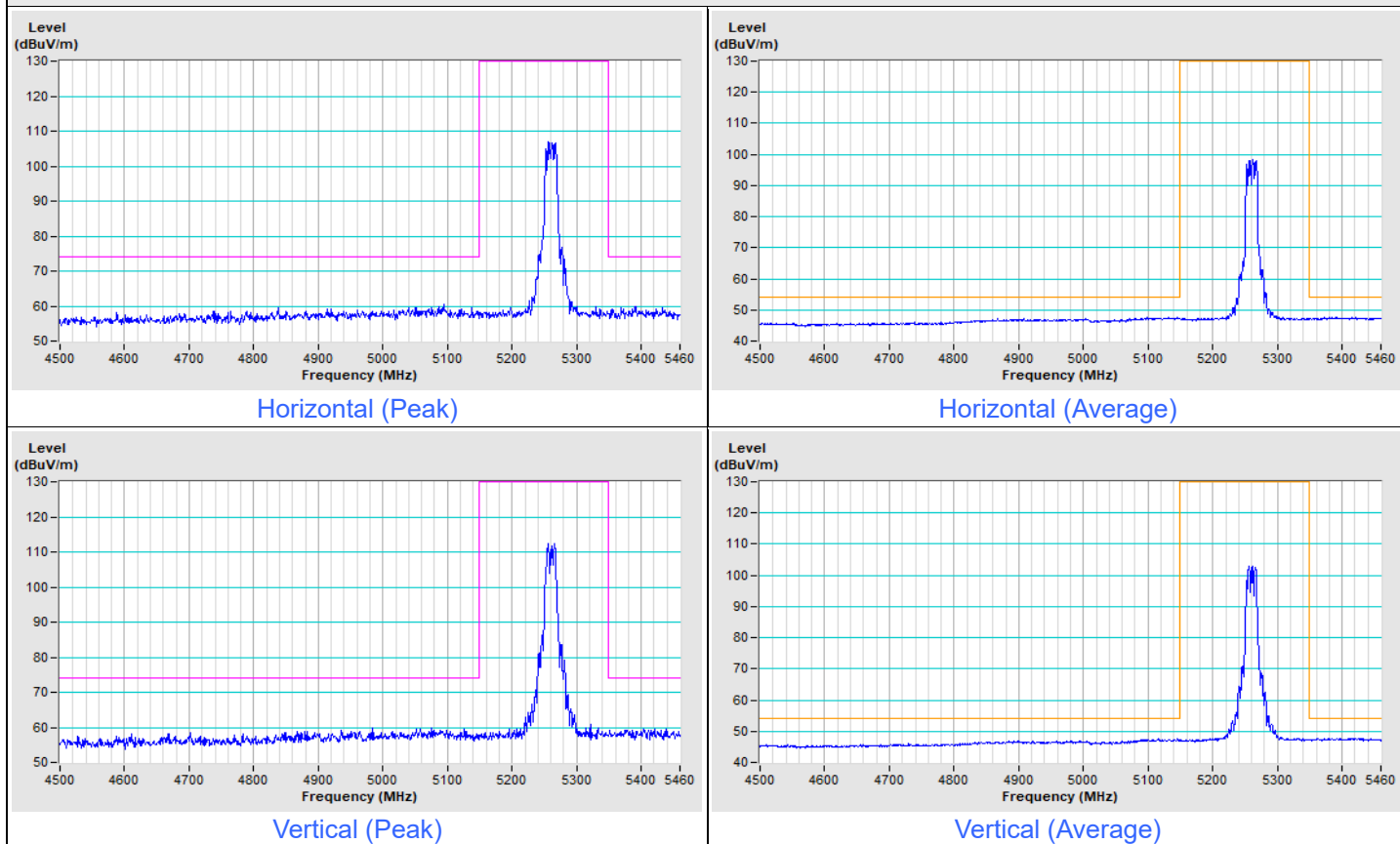
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 42

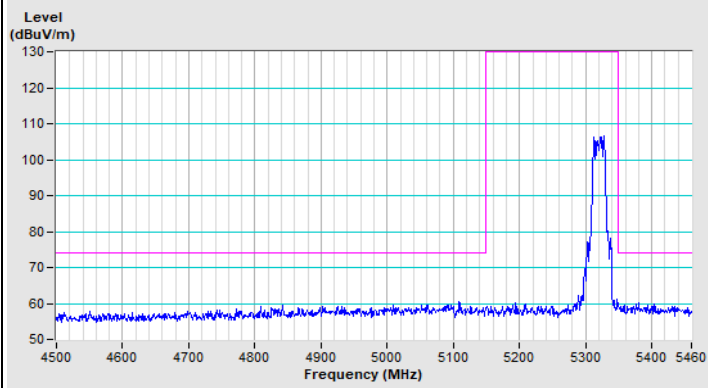


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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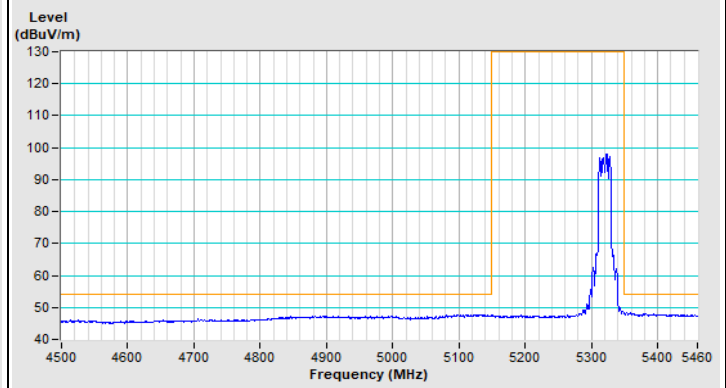
802.11a Channel 52



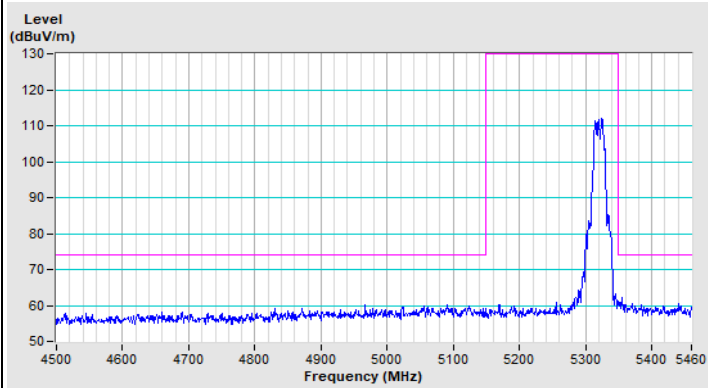
802.11a Channel 64



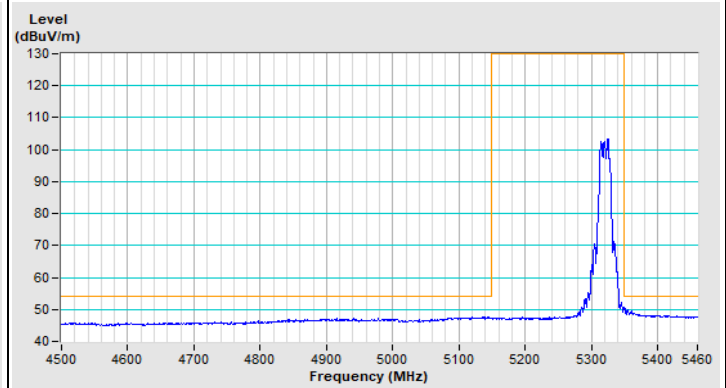
Horizontal (Peak)



Horizontal (Average)



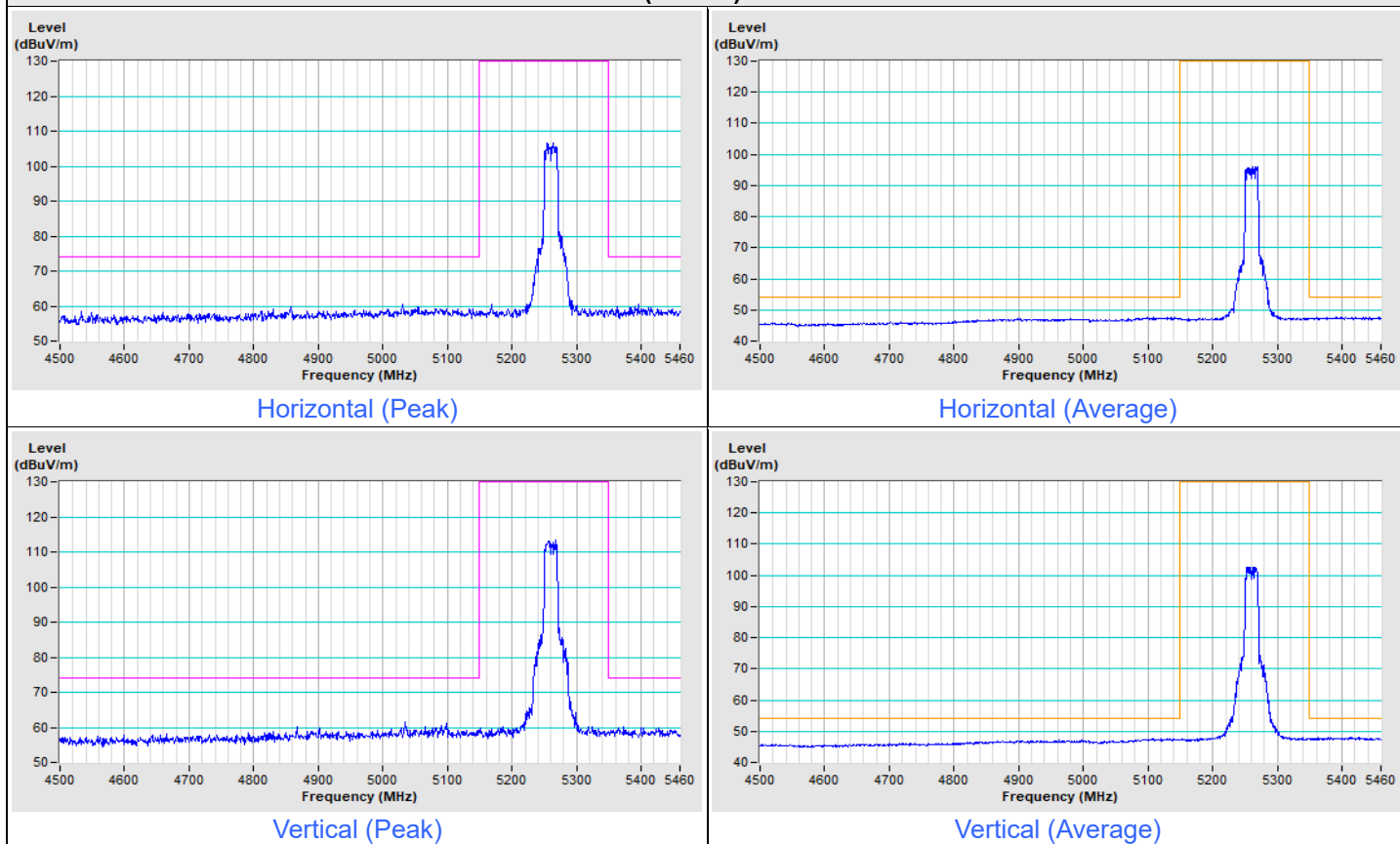
Vertical (Peak)



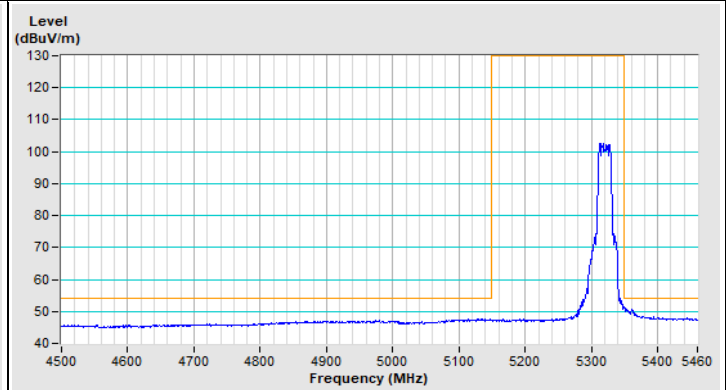
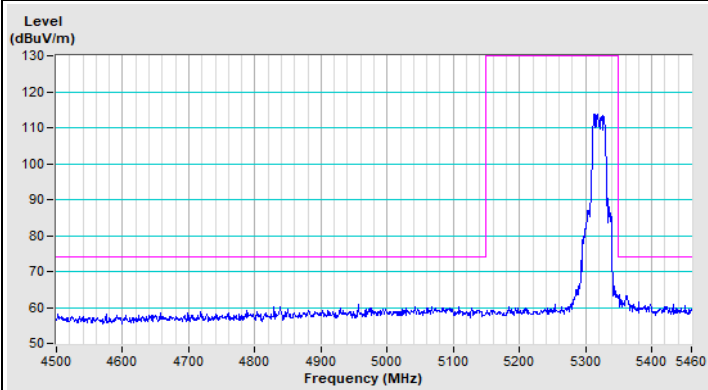
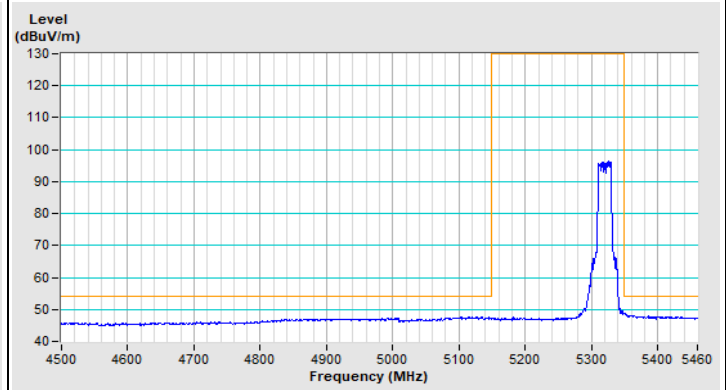
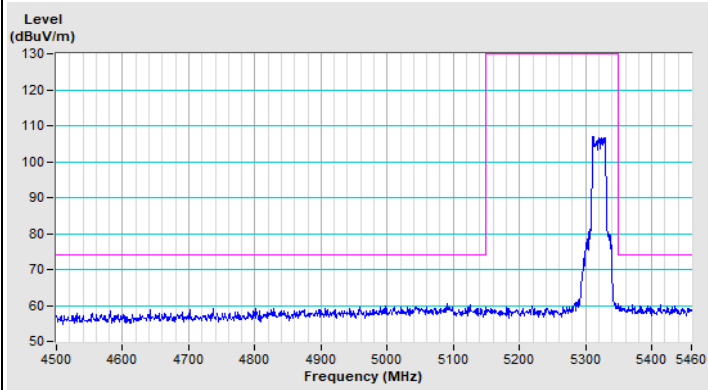
Vertical (Average)

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

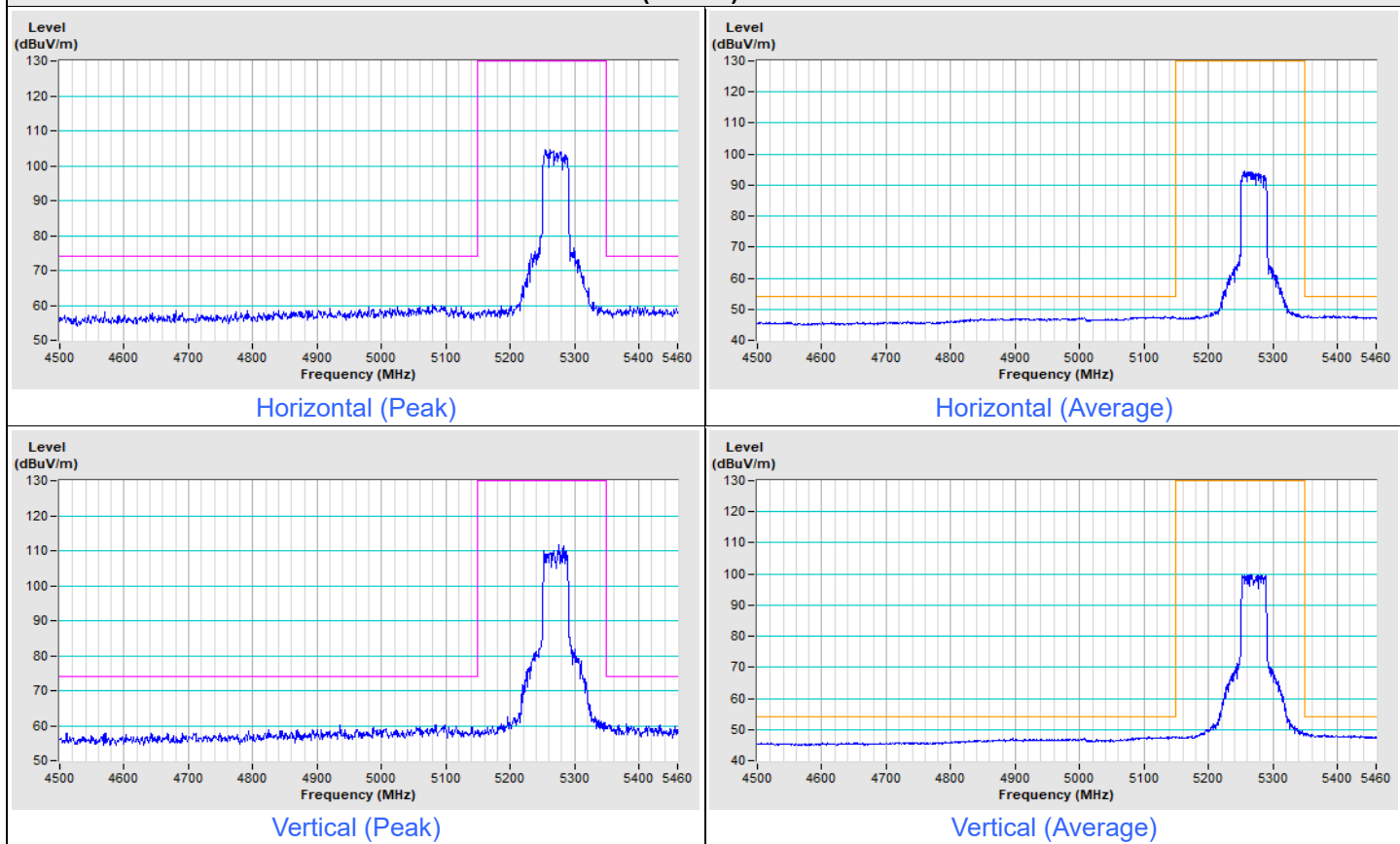


802.11be (EHT20) Channel 64

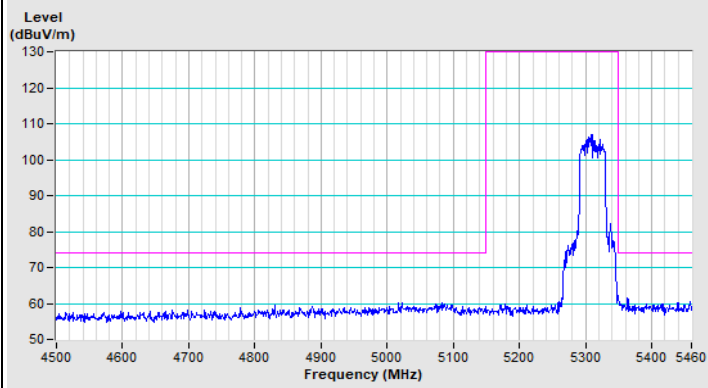


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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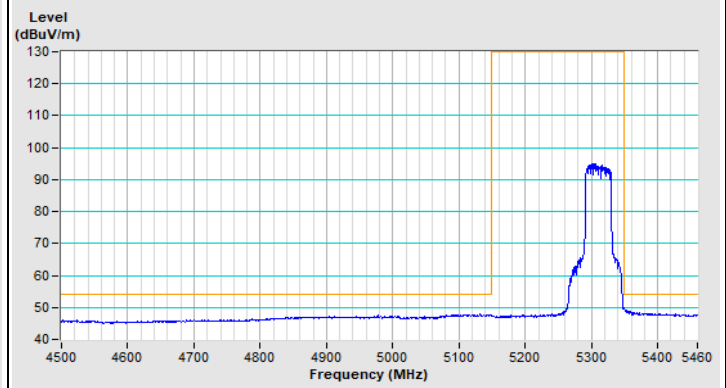
802.11be (EHT40) Channel 54



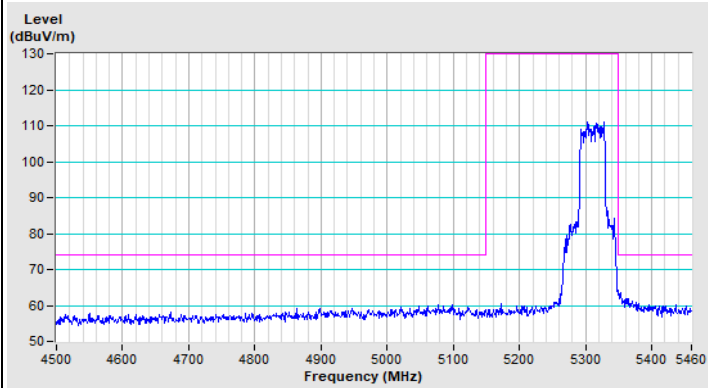
802.11be (EHT40) Channel 62



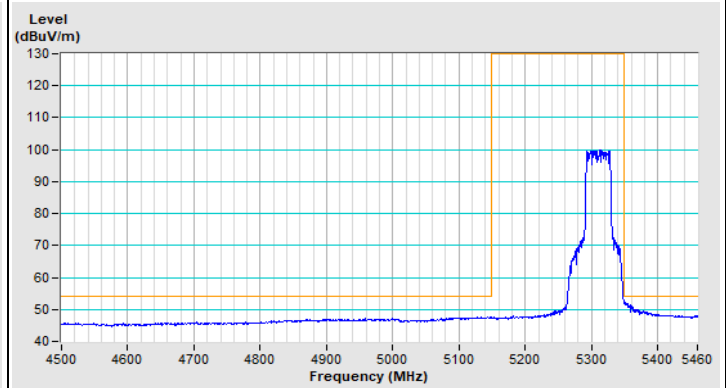
Horizontal (Peak)



Horizontal (Average)



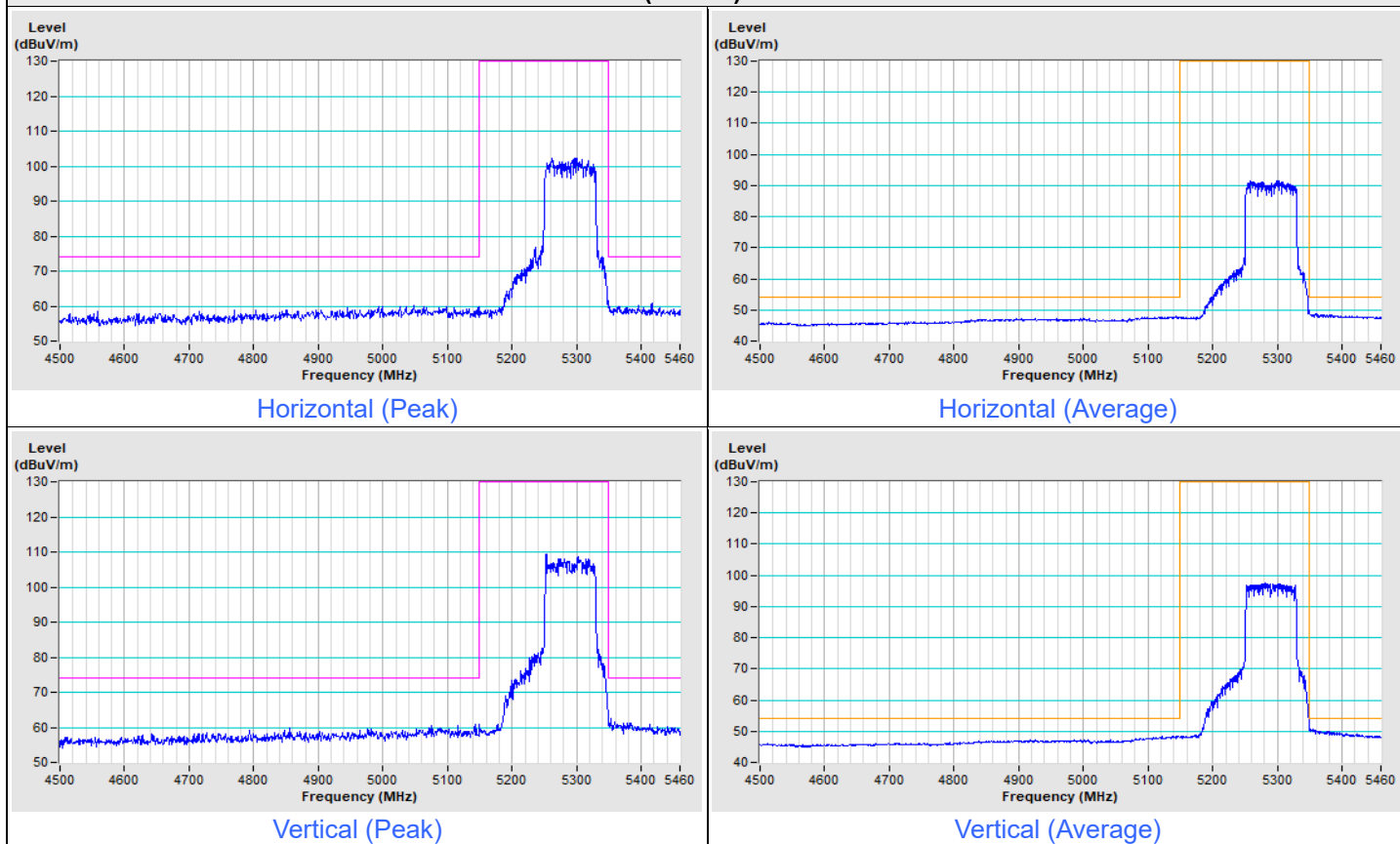
Vertical (Peak)



Vertical (Average)

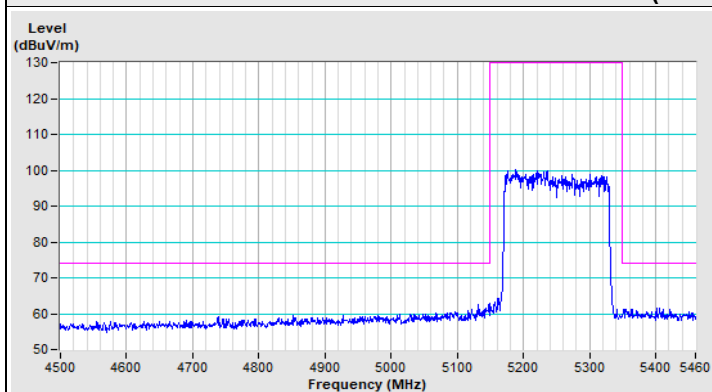
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 58

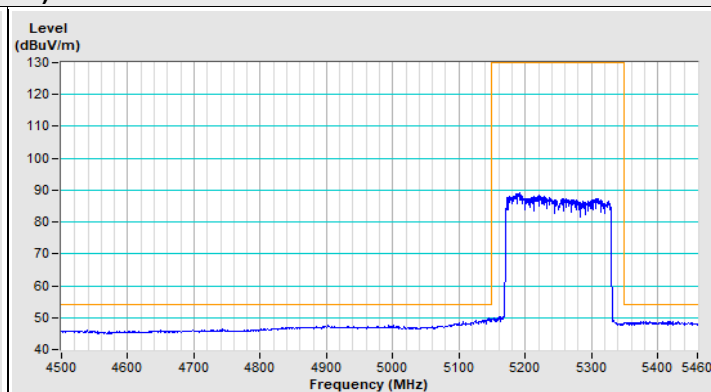


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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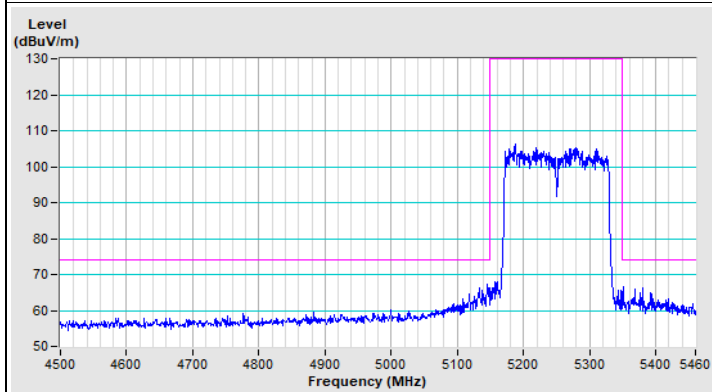
802.11be (EHT160) Channel 50



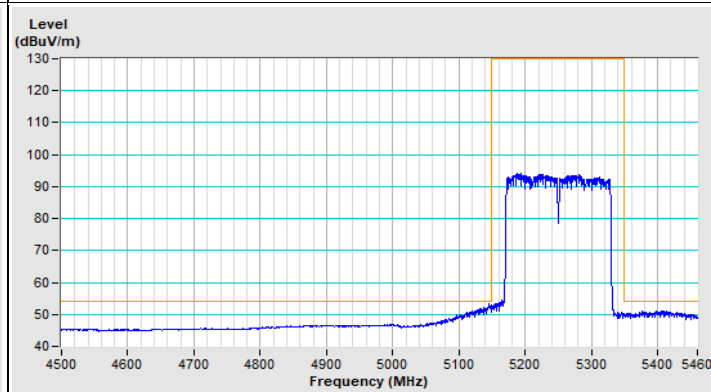
Horizontal (Peak)



Horizontal (Average)



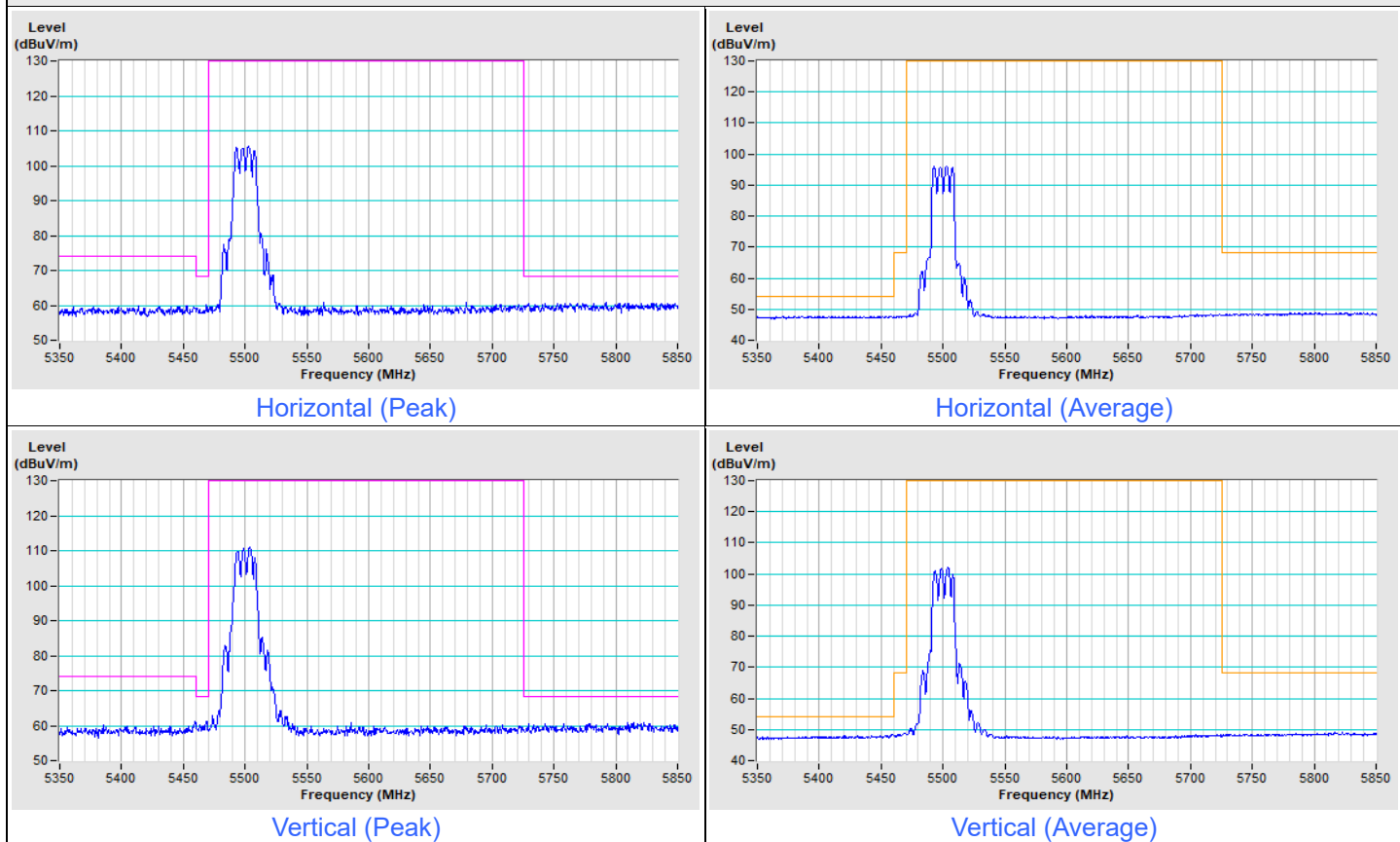
Vertical (Peak)



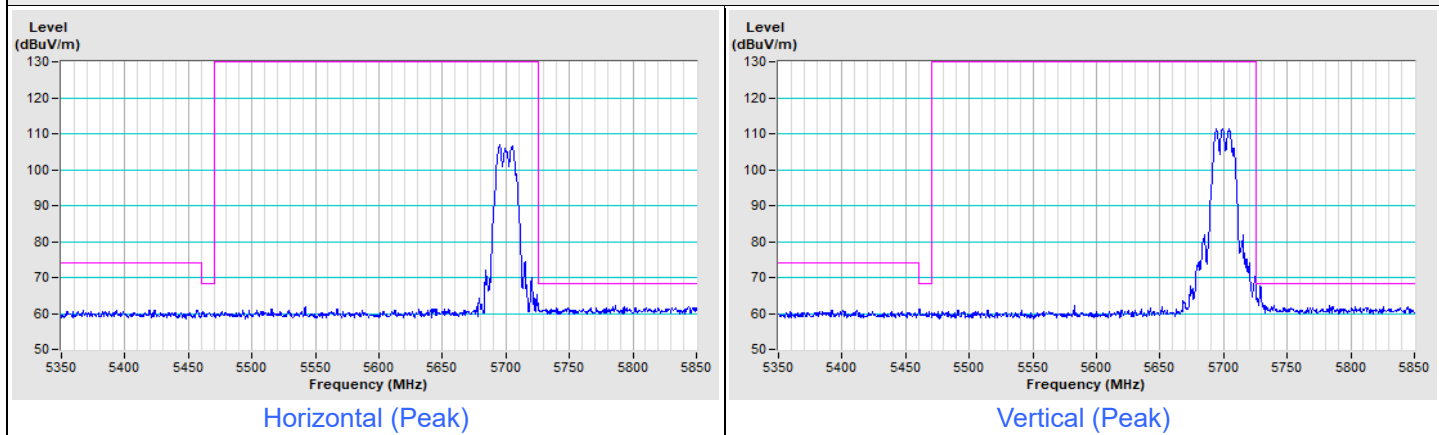
Vertical (Average)

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

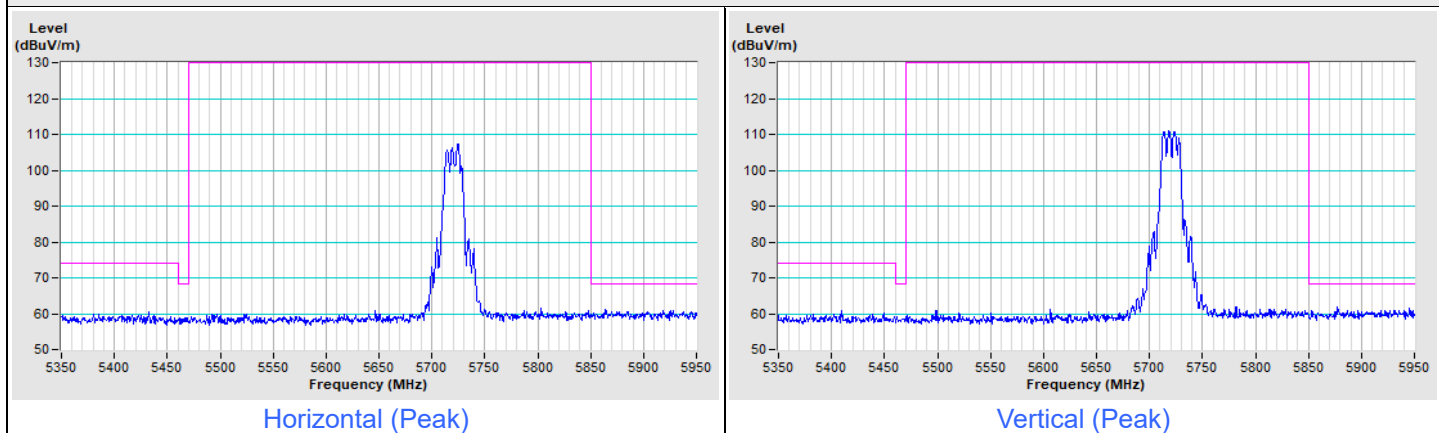


802.11a Channel 140



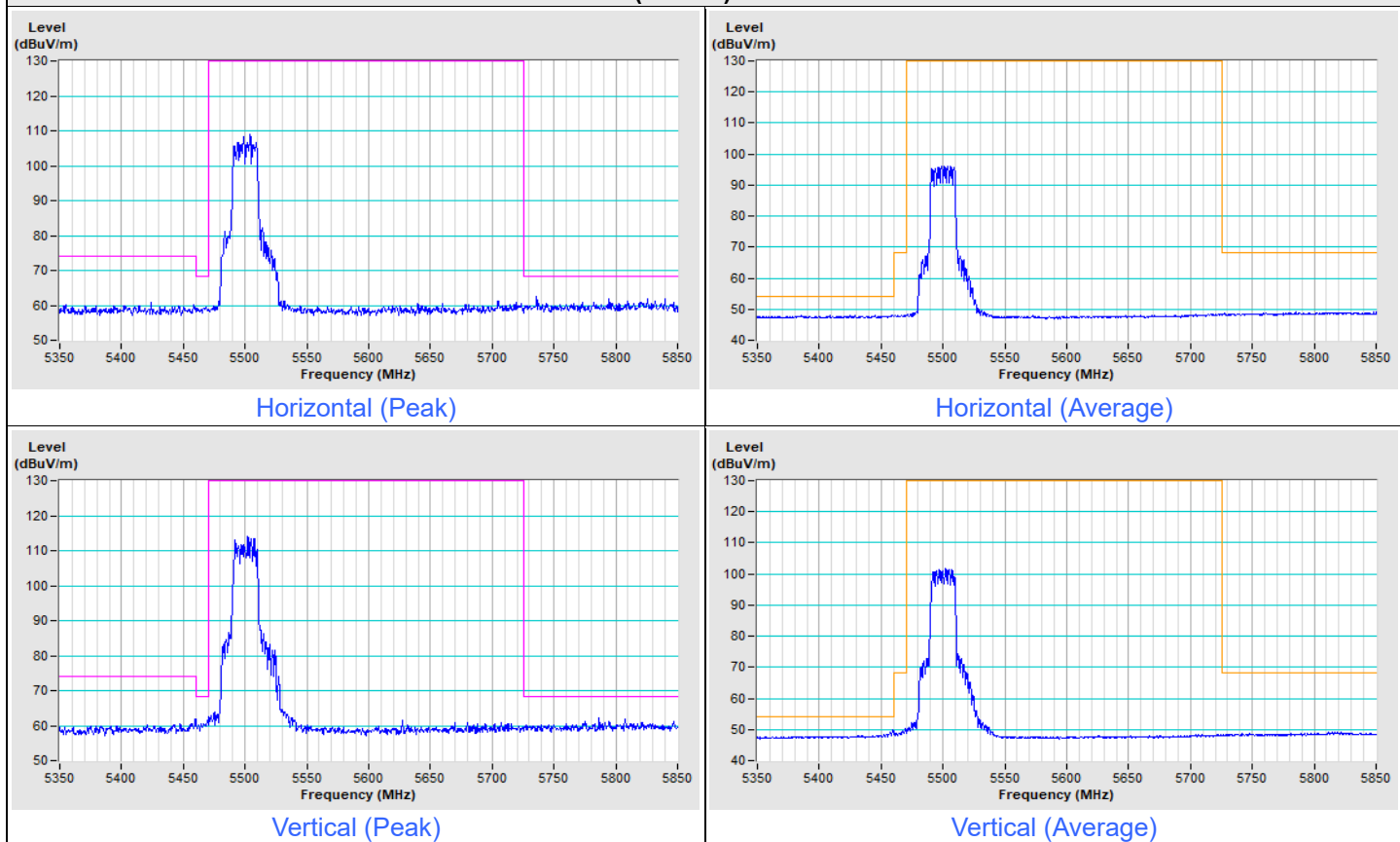
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

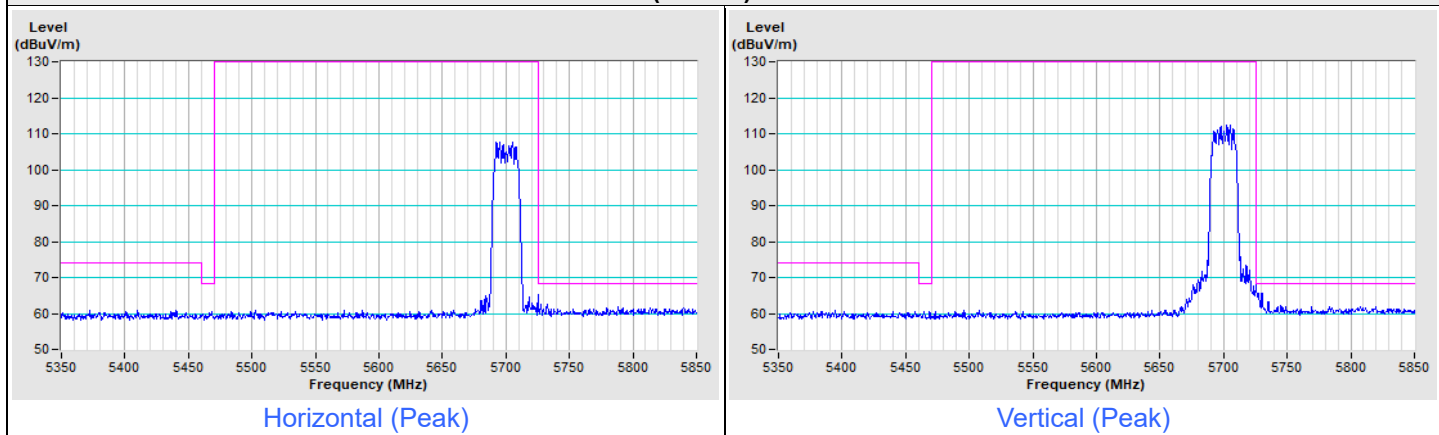


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT20) Channel 100

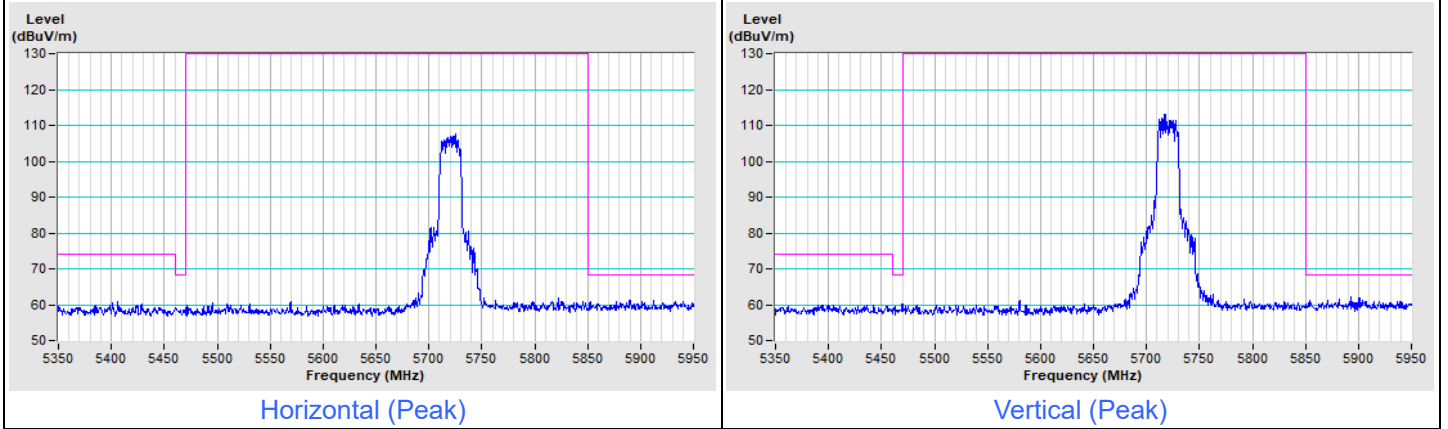


802.11be (EHT20) Channel 140



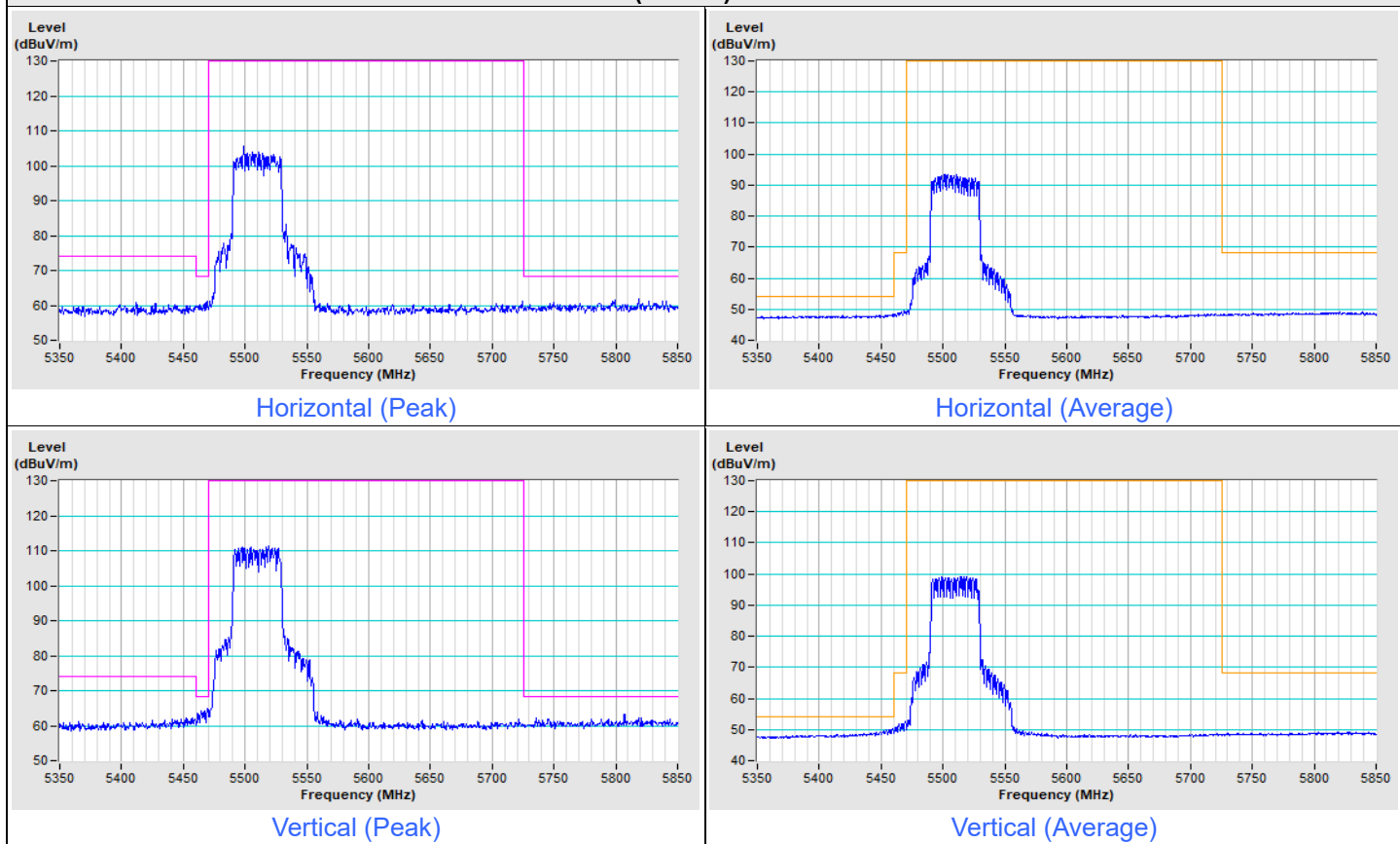
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT20) Channel 144

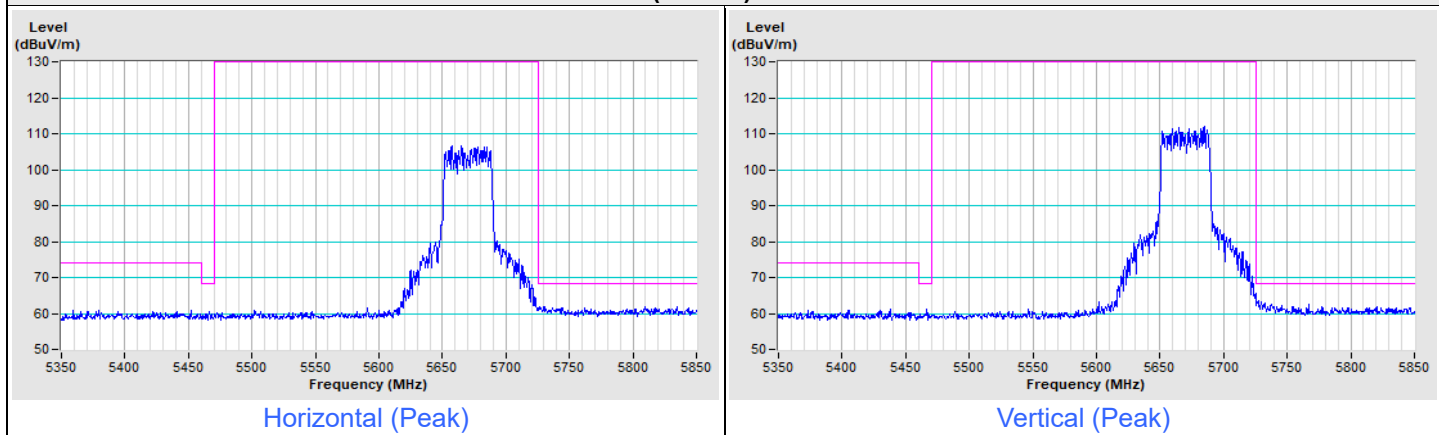


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT40) Channel 102

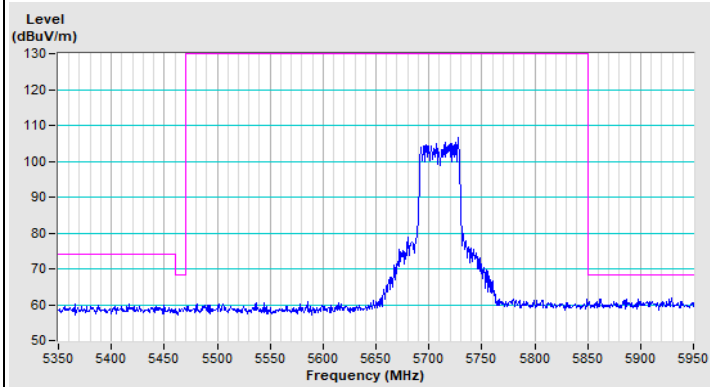


802.11be (EHT40) Channel 134

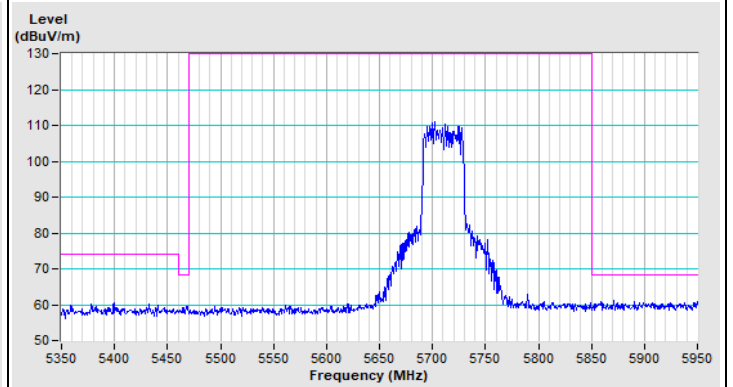


Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT40) Channel 142



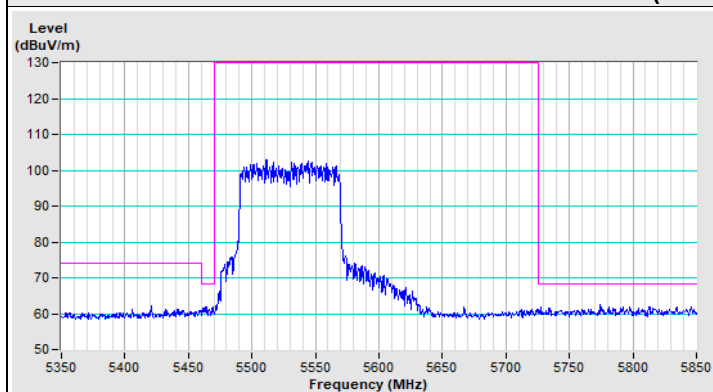
Horizontal (Peak)



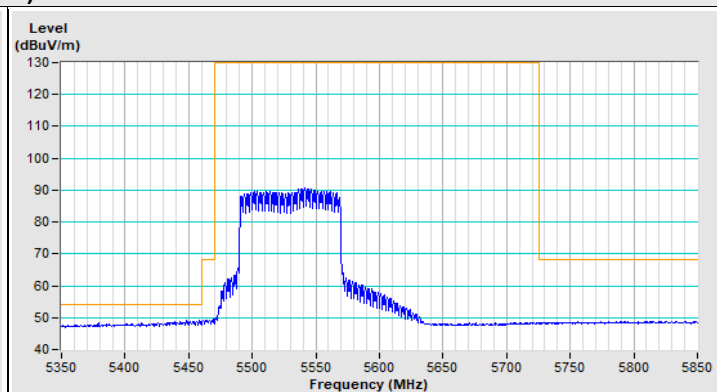
Vertical (Peak)

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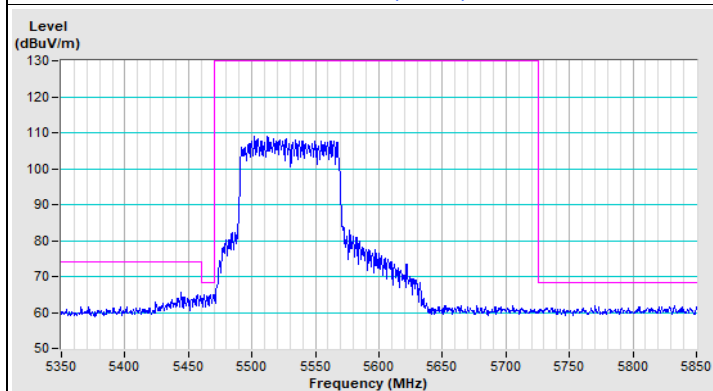
802.11be (EHT80) Channel 106



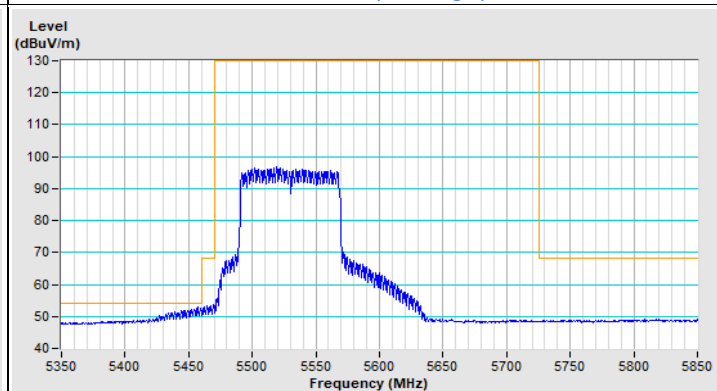
Horizontal (Peak)



Horizontal (Average)

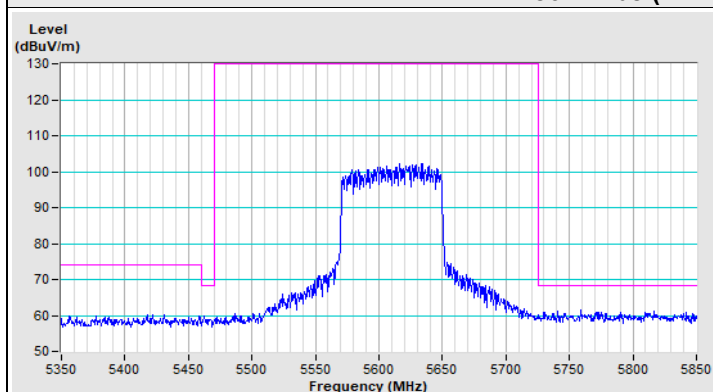


Vertical (Peak)

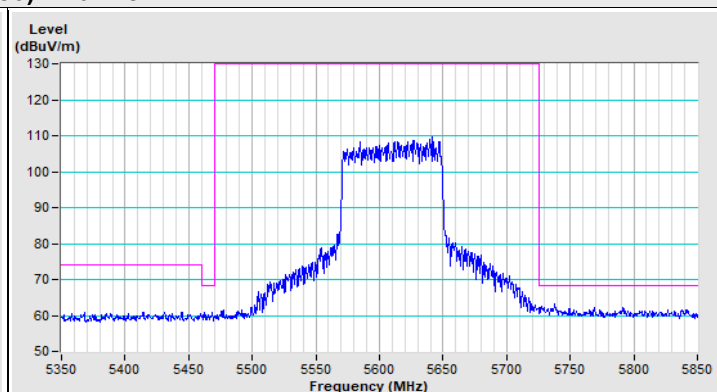


Vertical (Average)

802.11be (EHT80) Channel 122



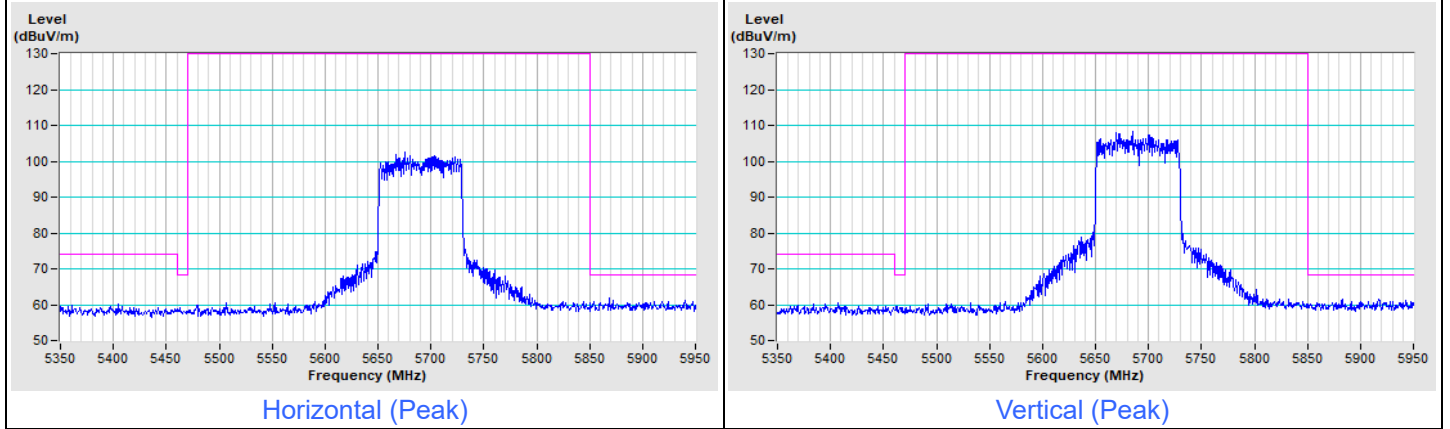
Horizontal (Peak)



Vertical (Peak)

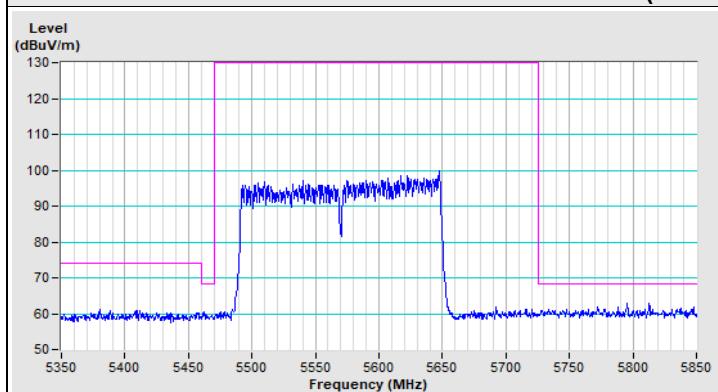
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT80) Channel 138

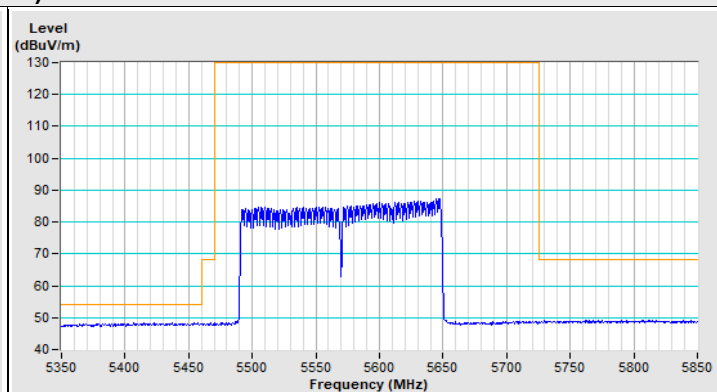


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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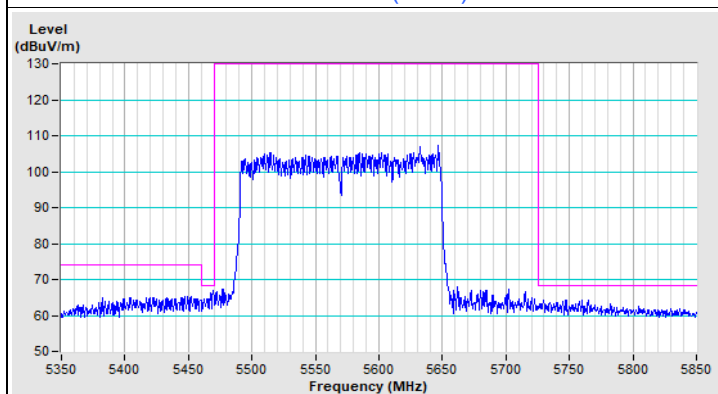
802.11be (EHT160) Channel 114



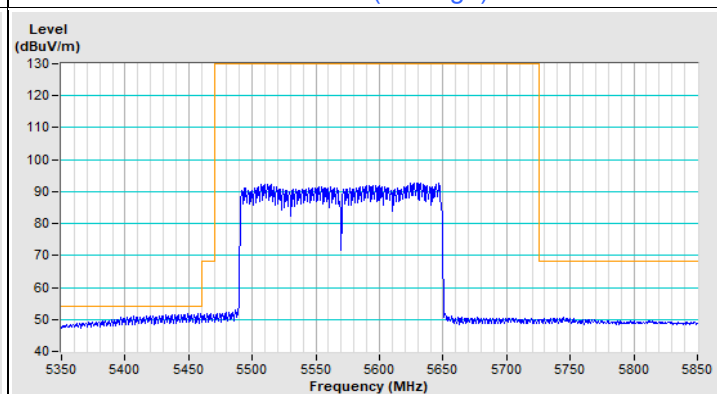
Horizontal (Peak)



Horizontal (Average)

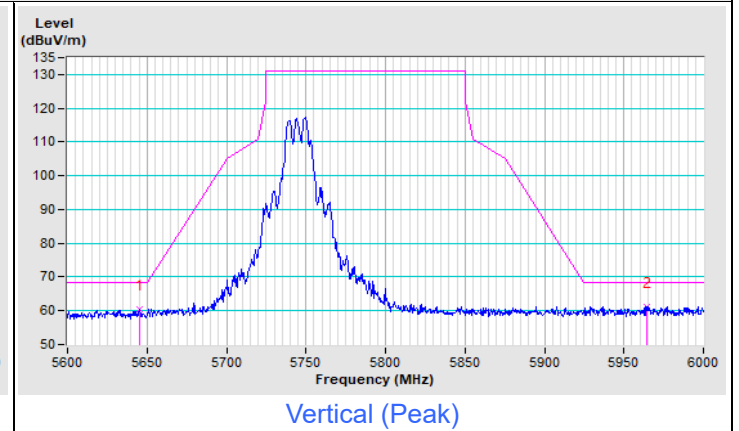
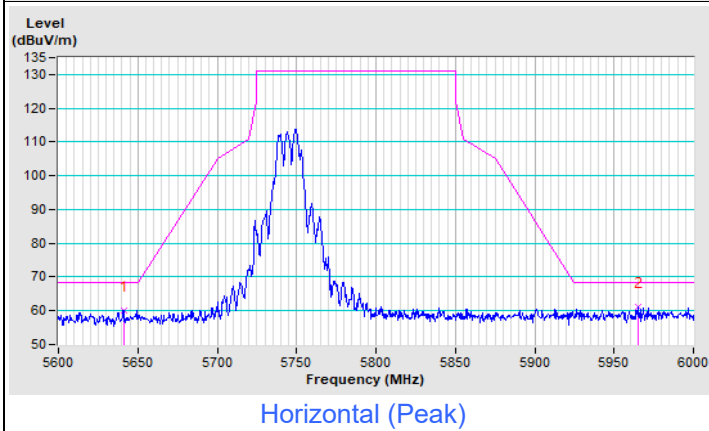
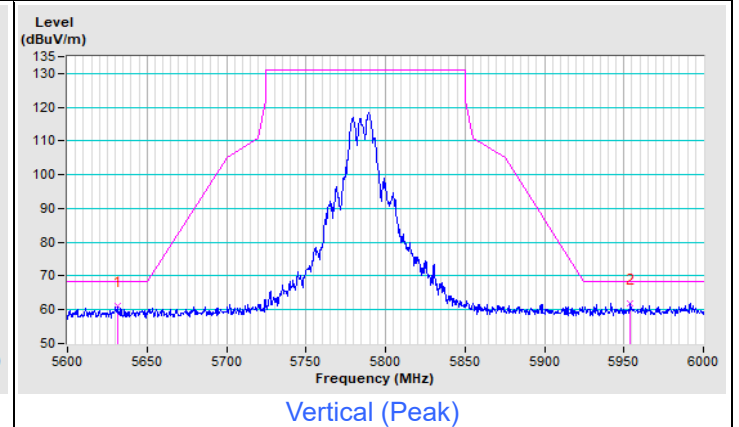
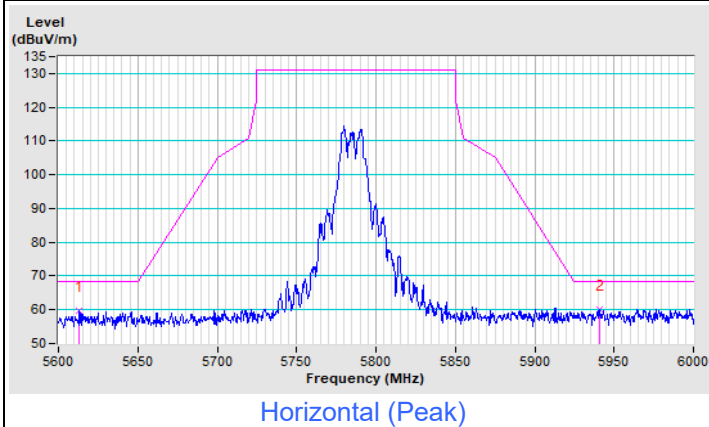
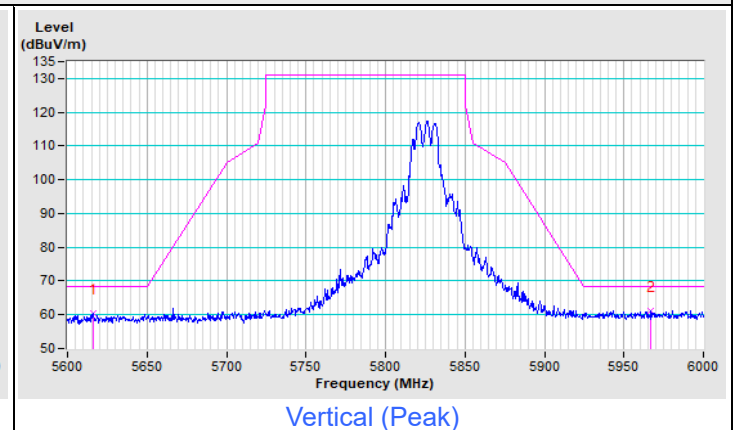
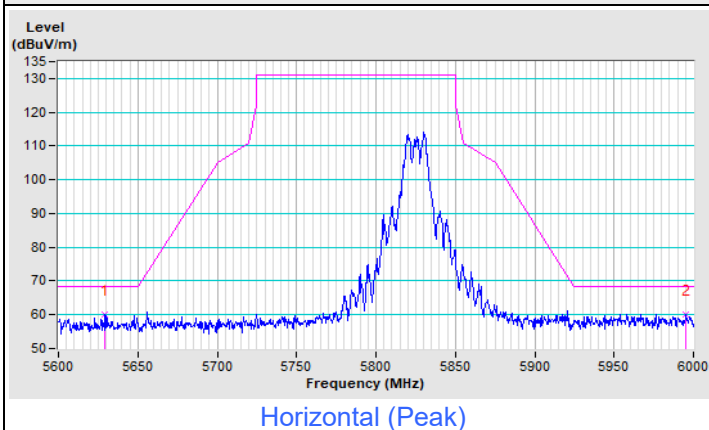


Vertical (Peak)



Vertical (Average)

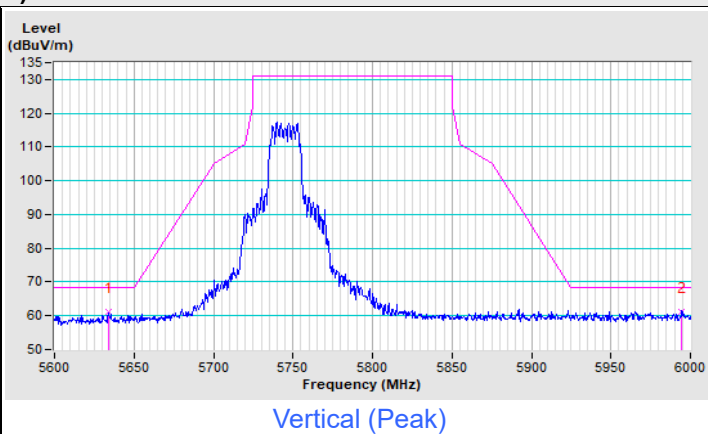
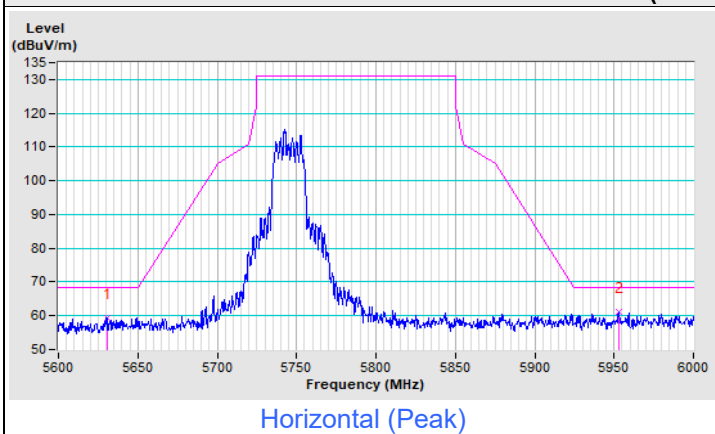
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 149**802.11a Channel 157****802.11a Channel 165**

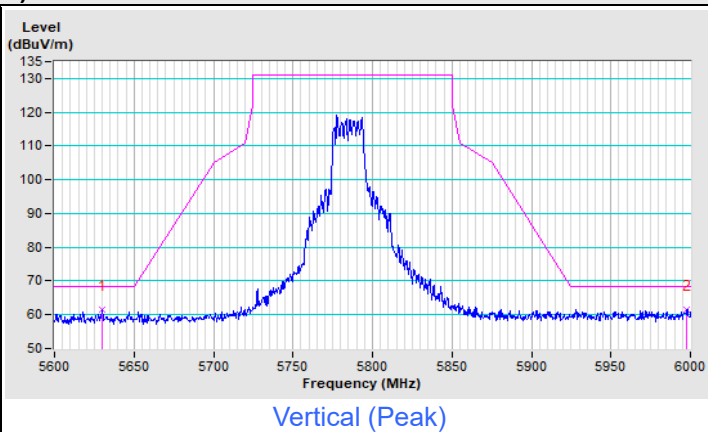
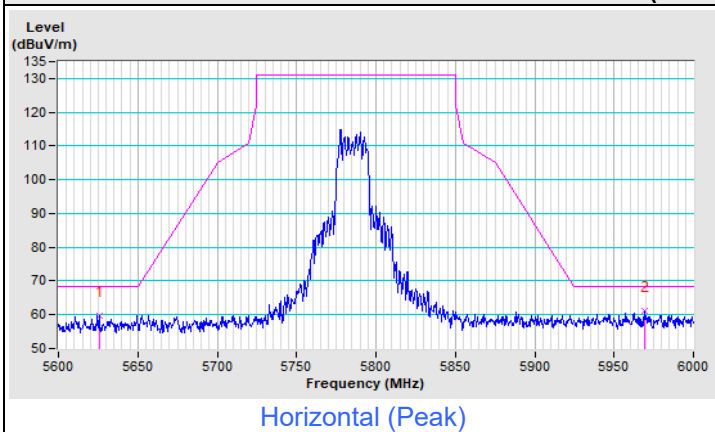


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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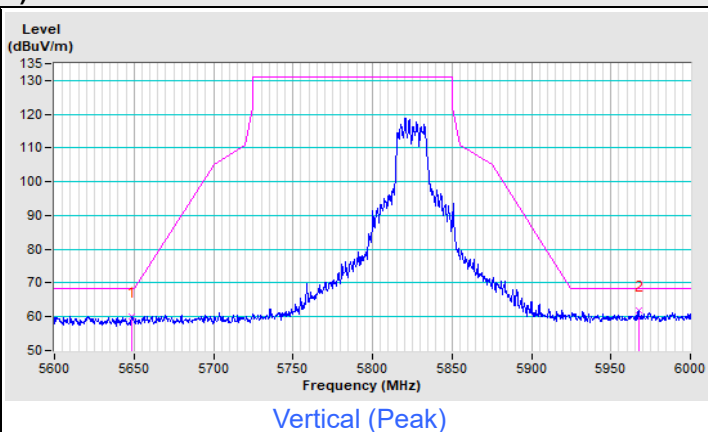
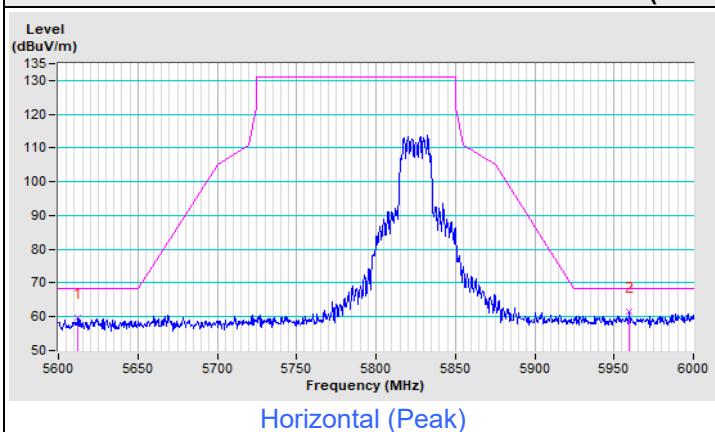
802.11be (EHT20) Channel 149



802.11be (EHT20) Channel 157

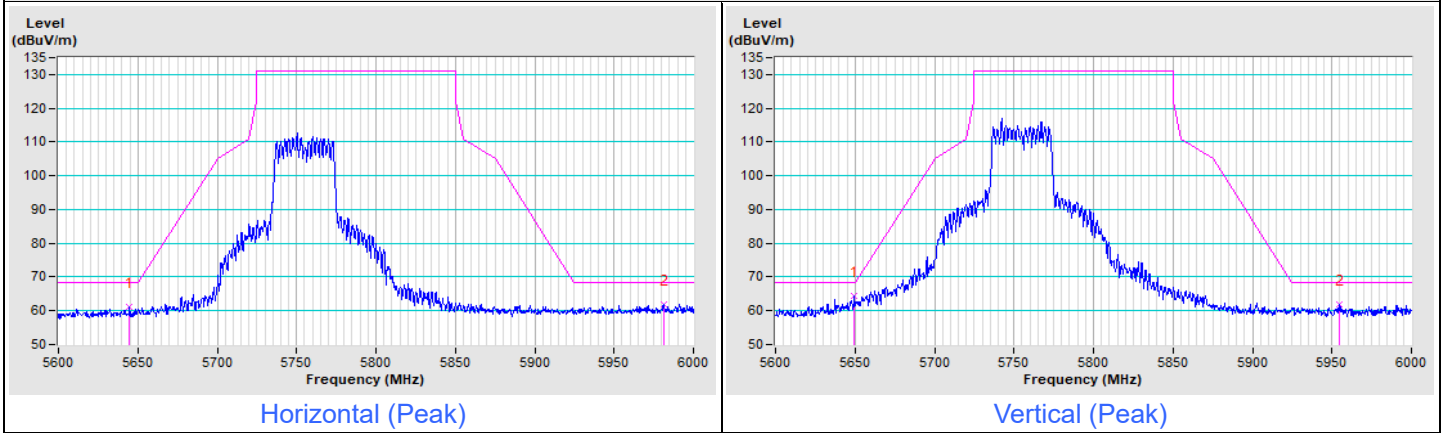


802.11be (EHT20) Channel 165

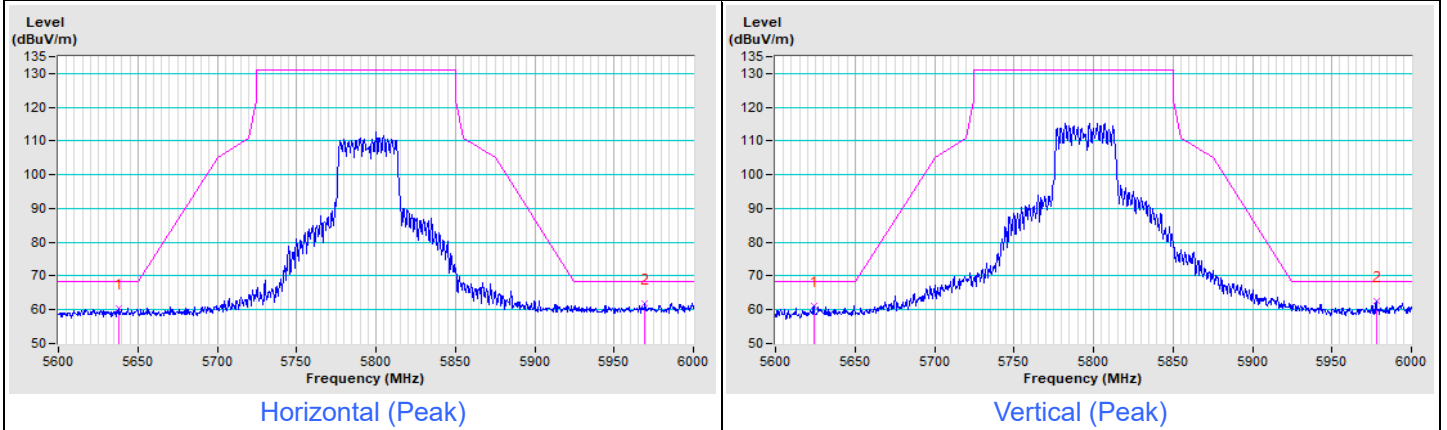


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT40) Channel 151

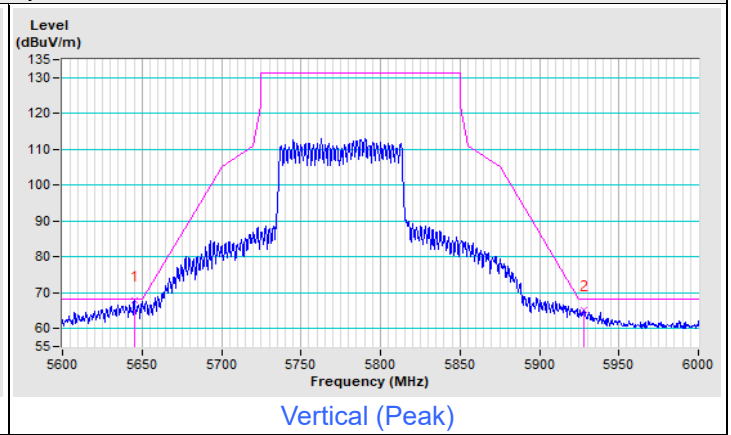
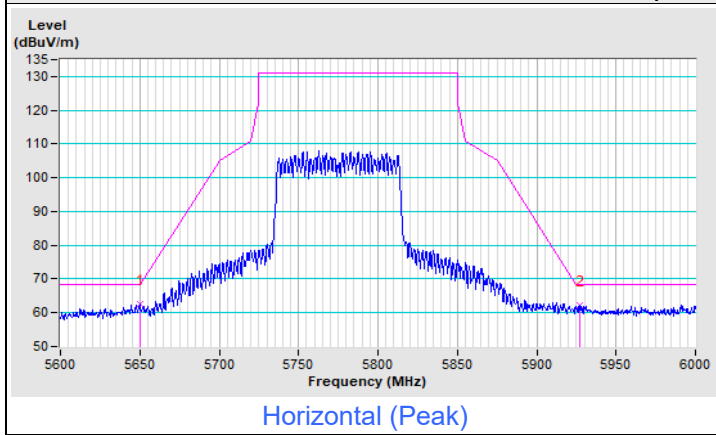


802.11be (EHT40) Channel 159



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:

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Email: service.adt@bureauveritas.com

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

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

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