

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBENL-WTW-P24060724-2

FCC ID: RYK-WNFQ291BEBT

Product: WiFi 7/BT module

Brand: Sparklan

Model No.: WNFQ-291BEI(BT)

Series Model: WNFQ-291BE(BT)

Received Date: 2024/8/16

Test Date: 2024/10/25 ~ 2024/12/20

Issued Date: 2025/4/11

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FCC Registration / 723255 / TW2022

Designation Number:

Approved by: _____, **Date:** 2025/4/11
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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBENL-WTW-P24060724-2	Original release.	2025/4/11

1 Certificate

Product: WiFi 7/BT module

Brand: Sparklan

Test Model: WNFQ-291BEI(BT)

Series Model: WNFQ-291BE(BT)

Sample Status: Engineering sample

Applicant: SparkLAN Communications, Inc.

Test Date: 2024/10/25 ~ 2024/12/20

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

Measurement procedure: ANSI C63.10-2013
KDB 987594 D02 U-NII 6 GHz EMC Measurement v03
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)(7) 15.407(a)(8)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(7) 15.407(a)(8)	Maximum Power Spectral Density	N/A	Refer to Note 1 below
15.407(a)(11)	Emission Bandwidth	N/A	Refer to Note 1 below
---	Occupied Bandwidth	N/A	Refer to Note 1 below
15.407(b)(9)	AC Power Conducted Emissions	N/A	Refer to Note 1 below
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -1.1 dB at 199.67 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -7.9 dB at 5925.00 MHz
15.407(b)(7)	In-Band Emission Mask	N/A	Refer to Note 1 below
15.407(d)(6)	Contention-based Protocol	N/A	Refer to Note 1 below
15.407(a)(7)	APC 6dB Below AP	N/A	Refer to Note 1 below
15.203	Antenna Requirement	Pass	Antenna connector is MHF 4L, I-PEX MHF4, RP-SMA (M), MHF4L to SMA-F not a standard connector.

Note:

- Only RF Output Power and Unwanted Emissions test items were performed for this addendum. The others testing data refer to original test report (Original FCC ID: J9C-QCNCM865).
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
Unwanted Emissions below 1 GHz	30 MHz ~ 1 GHz	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 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	WiFi 7/BT module
Brand	Sparklan
Test Model	WNFQ-291BEI(BT)
Series Model	WNFQ-291BE(BT)
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 4096QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11ax: up to 2969.7 Mbps 802.11be: up to 5764.7 Mbps
Operating Frequency	5.935 GHz ~ 6.415 GHz 6.425 GHz ~ 6.525 GHz 6.535 GHz ~ 6.865 GHz 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20), 802.11be (EHT20): 60 802.11ax (HE40), 802.11be (EHT40): 29 802.11ax (HE80), 802.11be (EHT80): 14 802.11ax (HE160), 802.11be (EHT160): 7 802.11be (EHT320): 6
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone, 4 * 996-tone Multi-RU (Small RU): 52-tone + 26-tone, 106-tone + 26-tone Multi-RU (Large RU): 484-tone + 242-tone, 996-tone + 484-tone, 996-tone + 484-tone + 242-tone, 2 * 996-tone + 484-tone, 3 * 996-tone, 3 * 996-tone + 484-tone
Channel Puncturing (Large RU)	80 MHz punctured by 20 MHz, 160 MHz punctured by 20 MHz 160 MHz punctured by 40 MHz, 320 MHz punctured by 40 MHz, 320 MHz punctured by 80 MHz, 320 MHz punctured by 80+40 MHz
Output Power	(under control of low power indoor AP) 5.935 GHz ~ 6.415 GHz: EIRP: 98.404 mW (19.93 dBm) 6.425 GHz ~ 6.525 GHz: EIRP: 90.84 mW (19.58 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 89.744 mW (19.53 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 86.366 mW (19.36 dBm) (under control of standard power AP) 5.935 GHz ~ 6.415 GHz: EIRP: 218.004 mW (23.38 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 214.4 mW (23.31 dBm)
Equipment Class	6CD: 15E 6 GHz Dual client

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with the original design is as the following:
 - ◆ Add Dipole antenna and Chip antenna (Refer to section 3.2)
 - ◆ Change shielding case and add thermal pad.
 - ◆ Change temperature operating range to -40 °C ~ 85 °C
2. According to above conditions, there are RF Output Power and Unwanted Emissions test items need to be performed. All data for meeting the requirement is verified.
3. All models are listed as below.

Brand	Model	Difference
Sparklan	WNFQ-291BEI(BT)	All models are electrically identical, different model names are for marketing purpose.
	WNFQ-291BE(BT)	

From the above models, model: WNFQ-291BEI(BT) was selected as representative model for the test and its data was recorded in this report.

4. There are Bluetooth (EDR, BLE, QHS) and WLAN (2.4 GHz & 5 GHz & 5.9 GHz & 6 GHz) technology used for the EUT.
5. Simultaneously transmission combination.

DBS			
Combination	Technology		
1	WLAN(2.4GHz) _Ant 0+1		WLAN(5GHz) _Ant 0+1
2	WLAN(2.4GHz) _Ant 0+1		WLAN(6GHz) _Ant 0+1
HBS+BT			
Combination	Technology		
3	Bluetooth _Ant 0+1		WLAN(5GHz) _Ant 0+1
4	Bluetooth _Ant 0+1		WLAN(6GHz) _Ant 0+1
5	WLAN(5GHz _U-NII-1, U-NII-2A) _Ant 0+1	WLAN(5GHz _U-NII-2C, U-NII-3, U-NII-4) _Ant 0+1	Bluetooth
6	WLAN(5GHz _U-NII-1, U-NII-2A) Ant 0+1	WLAN(6GHz) _Ant 0+1	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

6. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
7. 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.

Original									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0/1	Hong-Bo	260-25094	3.53 3.06 3.07 4.81 4.2	2.4~2.4835 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.850	0.74 1.16 1.18 1.26 1.28	PIFA	MHF 4L	300
2	Chain0/1	Hong-Bo	260-25083	5.09 5.14 5.09 5.16 5.12	5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	1.29 1.35 1.38 1.45 1.50	PIFA	MHF 4L	300
3	Chain0/1	Hong-Bo	260-25084	3.22 3.35 3.42 4.77 4.72 4.71 4.75 4.29 4.81 4.74	2.4~2.4835 5.150~5.250 5.250~5.350 5.470~5.725 5.725~5.850 5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	0.49 0.76 0.77 0.80 0.84 0.84 0.86 0.91 0.96 0.98	Monopole	MHF 4L	200
Newly									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)	
4	Chain0/1	SparkLAN	AD-513AX	3.11 4.46 4.07 4.53 4.06 4.04 3.97	2.4~2.4835 5.150~5.850 5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	I-PEX MHF4	150	
5	Chain0/1	SparkLAN	AD-510AX	2.27 2.88 2.6 3.23 3.34 3.52 3.52	2.4~2.4835 5.150~5.850 5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP-SMA (M)	150	
6	Chain0/1	SparkLAN	AD-512AX	2.35 3.00 2.80 2.87 3.02 3.02 2.61	2.4~2.4835 5.150~5.850 5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP-SMA (M)	150	
7	Chain0/1	SparkLAN	AD-516AX	1.65 4.3 3.98 4 4 3.91 3.78	2.4~2.4835 5.150~5.850 5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	I-PEX MHF4	250	
8	Chain0/1	Johanson	2450AD18A6050	2 1.5 2.7 2.7 2.7 2.7 2.7	2.4~2.4835 5.150~5.850 5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Chip	MHF4L to SMA-F	-	

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

2. The EUT incorporates a MIMO function:

6 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX / 1TX (fixed chain 0)	2RX
802.11ax (HE20)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (HE40)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (HE80)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (HE160)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT20)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT40)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT80)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT160)	2TX / 1TX (fixed chain 0)	2RX
802.11be (EHT320)	2TX / 1TX (fixed chain 0)	2RX
802.11ax (RU26/52/106/242/484/996/2*996)	2TX / 1TX (fixed chain 0)	2RX
802.11be (RU26/52/106/242/484/996/2*996/4*996/ MRU52+26/106+26/484+242/996+484 996+484+242/ 2*996+484/3*996/3*996+484)	2TX / 1TX (fixed chain 0)	2RX

Note: The modulation and bandwidth are similar for 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, 320 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 Channel List

U-NII-5:

25 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
2	5935 MHz	1	5955 MHz	5	5975 MHz	9	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz	25	6075 MHz
29	6095 MHz	33	6115 MHz	37	6135 MHz	41	6155 MHz
45	6175 MHz	49	6195 MHz	53	6215 MHz	57	6235 MHz
61	6255 MHz	65	6275 MHz	69	6295 MHz	73	6315 MHz
77	6335 MHz	81	6355 MHz	85	6375 MHz	89	6395 MHz
93	6415 MHz						

12 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz	27	6085 MHz
35	6125 MHz	43	6165 MHz	51	6205 MHz	59	6245 MHz
67	6285 MHz	75	6325 MHz	83	6365 MHz	91	6405 MHz

6 channels are provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz	55	6225 MHz
71	6305 MHz	87	6385 MHz				

3 channels are provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency	Channel	Frequency	Channel	Frequency
15	6025 MHz	47	6185 MHz	79	6345 MHz

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
31	6105 MHz	63	6265 MHz

U-NII-6: (under control of a low-power indoor access point only)

5 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435 MHz	101	6455 MHz	105	6475 MHz	109	6495 MHz
113	6515 MHz						

3 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency
99	6445 MHz	107	6485 MHz	*115	6525 MHz

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

Channel	Frequency
103	6465 MHz

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

Channel	Frequency
*111	6505 MHz

1 channel is provided for 802.11be (EHT320):

Channel	Frequency
*95	6425 MHz

U-NII-7:

17 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535 MHz	121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz	145	6675 MHz
149	6695 MHz	153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz						

8 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

5 channels are provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*119	6545 MHz	135	6625 MHz	151	6705 MHz	167	6785 MHz
*183	6865 MHz						

2 channels are provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency	Channel	Frequency
143	6665 MHz	*175	6825 MHz

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
*127	6585 MHz	*159	6745 MHz

U-NII-8: (under control of a low-power indoor access point only)

13 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
185	6875 MHz	189	6895 MHz	193	6915 MHz	197	6935 MHz
201	6955 MHz	205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz	229	7095 MHz
233	7115 MHz						

6 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
187	6885 MHz	195	6925 MHz	203	6965 MHz	211	7005 MHz
219	7045 MHz	227	7085 MHz				

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

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

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

Channel	Frequency
207	6985 MHz

1 channel is provided for 802.11be (EHT320):

Channel	Frequency
*191	6905 MHz

Note: * mean these are straddle channels and operating under control by under control of a low-power indoor access point only.

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The Dipole and Chip of antenna type in antennas can be used in the following ways: X / Y / Z axis. Pre-scan in these ways and find the worst case as a representative test condition. 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.
Worst Case:	1. Dipole antenna the worst case was found when positioned on (X / Y / Z axis): Y axis 2. Chip antenna the worst case was found when positioned on (X / Y / Z axis): Z axis

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

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	A	802.11a	under control of low power indoor AP	NSS1	1Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)				3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)				7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)				15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT320)				31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
		802.11a	under control of low power indoor AP	NSS1	2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)				3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)				7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)				15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT320)				31, 63, 95, 127, 159, 191	BPSK	MCS0	NA

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	A	802.11be (EHT20) 26-tone RU	under control of low power indoor AP	NSS1	2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	0, 0, 0, 8, 0, 0, 8, 0, 0, 8, 8, 0, 0, 8
		802.11be (EHT20) 52-tone RU				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	37, 37, 37, 40, 37, 37, 40, 37, 37, 40, 37, 37, 40, 40, 37, 37, 40
		802.11be (EHT20) 106-tone RU				2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	53, 53, 53, 54, 53, 53, 54, 53, 53, 54, 54, 53, 53, 54
		802.11a	under control of standard power AP	NSS1	2Tx	2, 1, 45, 93, 117, 149, 181	BPSK	6Mb/s	NA
		802.11be (EHT20)				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	NA
		802.11be (EHT40)				3, 43, 91, 123, 155, 179	BPSK	MCS0	NA
		802.11be (EHT80)				7, 39, 87, 135, 151, 167	BPSK	MCS0	NA
		802.11be (EHT160)				15, 47, 79, 143	BPSK	MCS0	NA
		802.11be (EHT320)				31, 63	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	0, 0, 0, 8, 0, 0, 8, 8
		802.11be (EHT20) 52-tone RU				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	37, 37, 37, 40, 37, 37, 40, 40
		802.11be (EHT20) 106-tone RU				2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	53, 53, 53, 54, 53, 53, 54, 54
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT160)	under control of low power indoor AP	NSS1	1Tx	15	BPSK	MCS0	NA
		802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	45	BPSK	MCS0	NA

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tx Ant.	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions above 1 GHz	C, D	802.11be (EHT160)	under control of	NSS1	1Tx	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT320)	low power indoor AP	NSS1	2Tx	31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
		802.11be (EHT20)	under control of standard power AP	NSS1	2Tx	2, 1, 45, 93, 117, 149, 181	BPSK	MCS0	NA
EUT Configure Mode:	A	EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)							
	B	EUT with 50 ohm terminator							
	C	EUT with Dipole antenna (Model: AD-513AX)							
	D	EUT with Chip antenna (Model: 2450AD18A6050)							

- Note:
- Only Maximum RF Output Power, Frequency Stability and Unwanted Emissions Above 1GHz tests were performed for this addendum. Refer to original report for other test data. The others testing data refer to the original report and evaluated of the summary as following:
 - No changes are made to the module itself; this C2PC is for adding new sets of antennas and change operating temperature.
 - The worst-case (max) antenna gain is still the same as original approved antennas, and only the antenna type is different. Therefore, for test items performed using conducted method / conducted method + max antenna gain, the original test results remain valid.
 - Conducted Output power was verified to be same as original filing.
 - CBP was originally tested with lower antenna gain using conducted method. Since the new antenna gains for 6GHz bands are higher than the lowest antenna gain among the original antenna sets, Contention Based Protocol was not re-tested. the CBP mechanism only supported bandwidth reduction.
 - The tested channel was selected the worst case as mode within the each band of UNII5/6/7/8 to represent in test report.
 - In the original report: For 1Tx diversity configuration the worst chain is: Chain 0

3.5 Duty Cycle of Test Signal

under control of low power indoor AP

1Tx

802.11a: Duty cycle = 2.09 ms / 2.117 ms x 100% = 98.7%

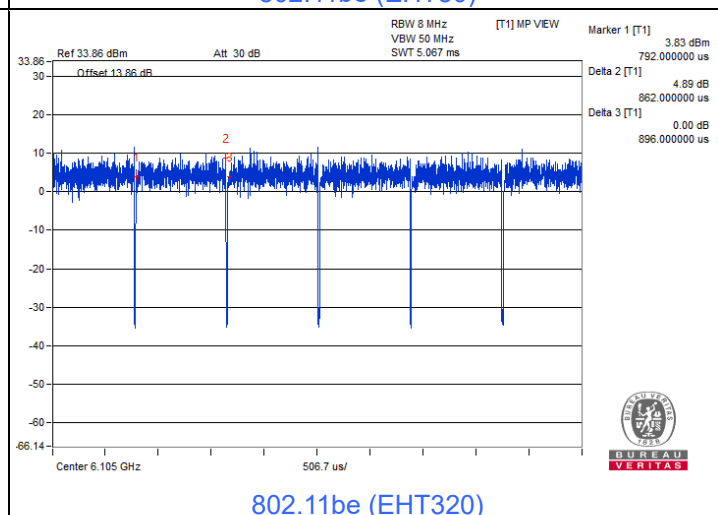
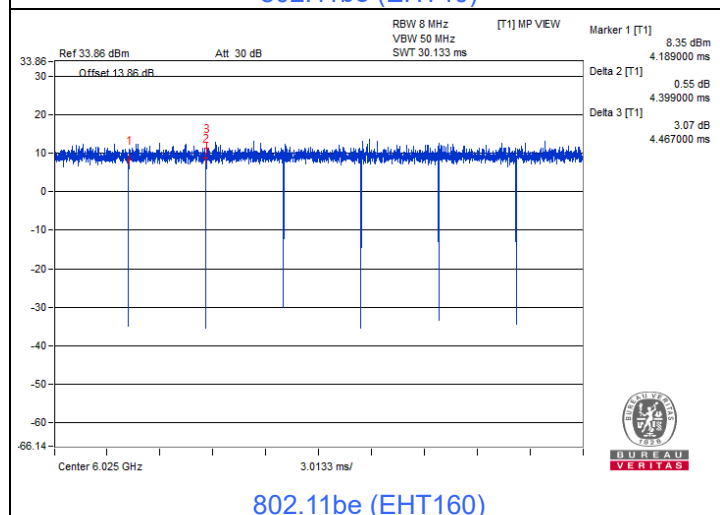
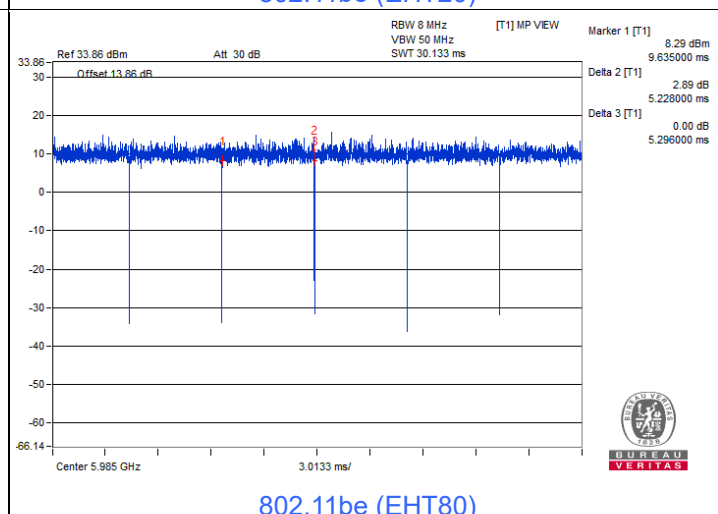
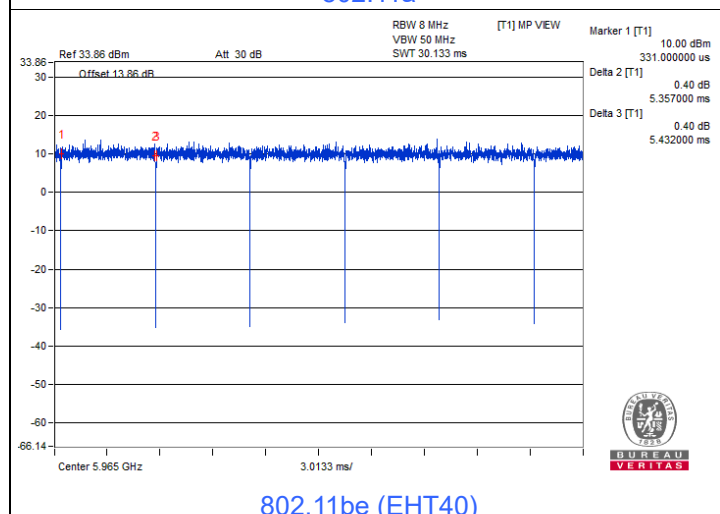
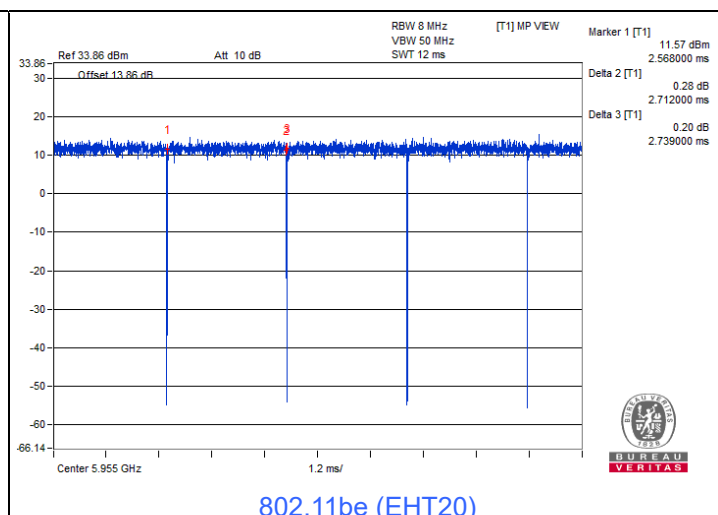
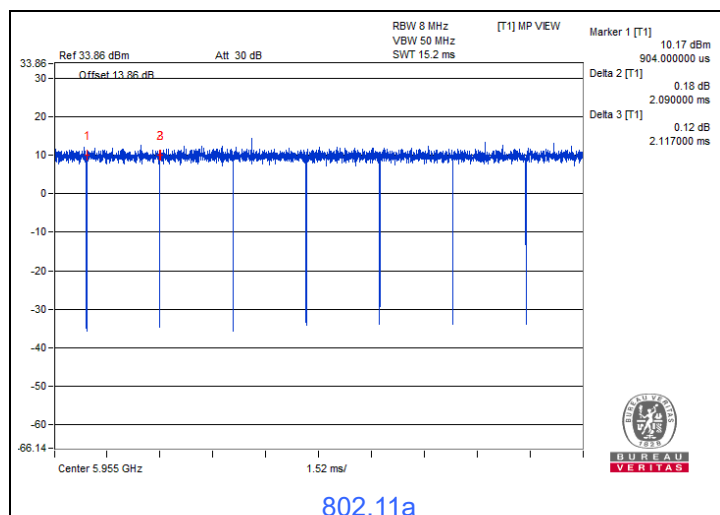
802.11be (EHT20): Duty cycle = 2.712 ms / 2.739 ms x 100% = 99.0%

802.11be (EHT40): Duty cycle = 5.357 ms / 5.432 ms x 100% = 98.6%

802.11be (EHT80): Duty cycle = 5.228 ms / 5.296 ms x 100% = 98.7%

802.11be (EHT160): Duty cycle = 4.399 ms / 4.467 ms x 100% = 98.5%

802.11be (EHT320): Duty cycle = 0.862 ms / 0.896 ms x 100% = 96.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$



2Tx

802.11a: Duty cycle = 2.081 ms / 2.12 ms x 100% = 98.2%

802.11be (EHT20): Duty cycle = 2.729 ms / 2.782 ms x 100% = 98.1%

802.11be (EHT40): Duty cycle = 1.599 ms / 1.618 ms x 100% = 98.8%

802.11be (EHT80): Duty cycle = 1.011 ms / 1.023 ms x 100% = 98.8%

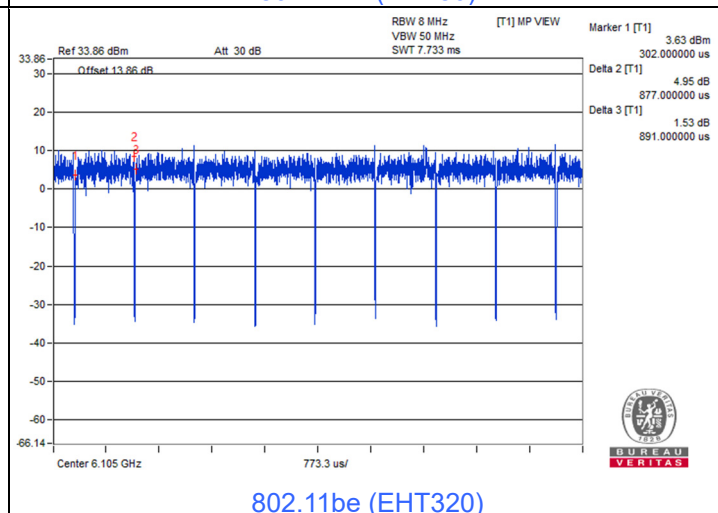
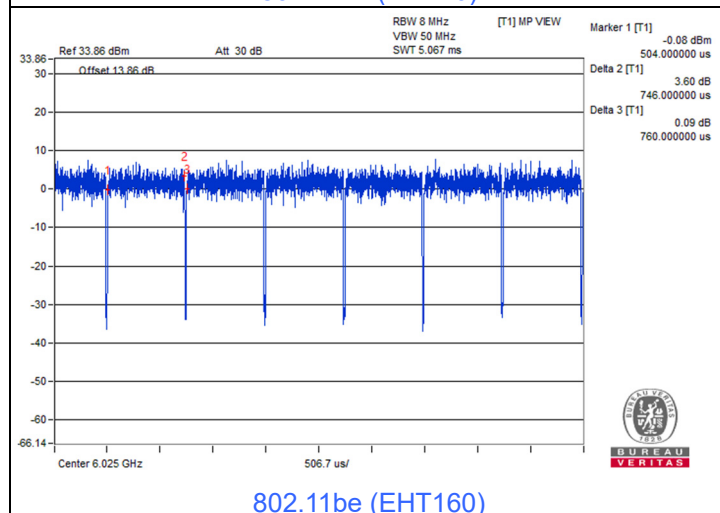
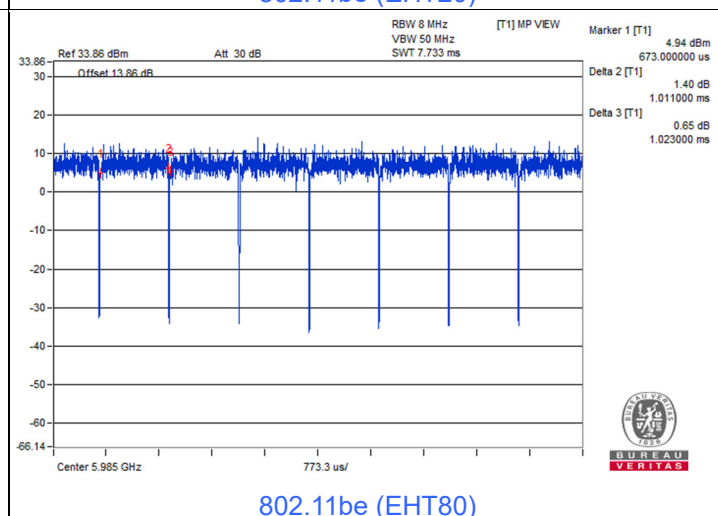
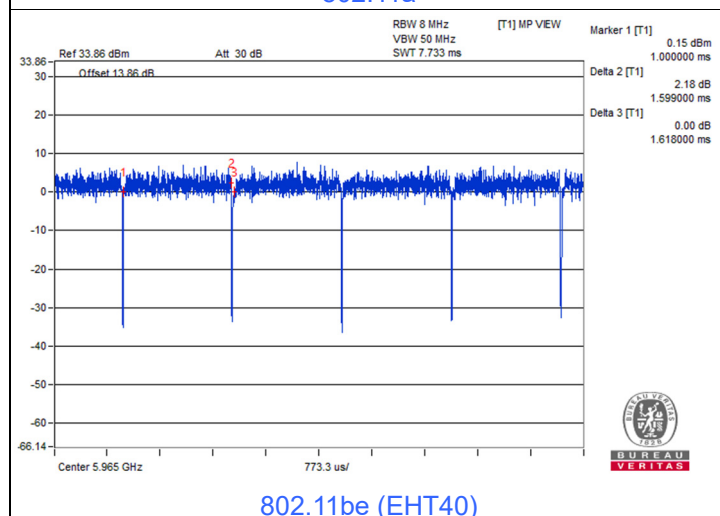
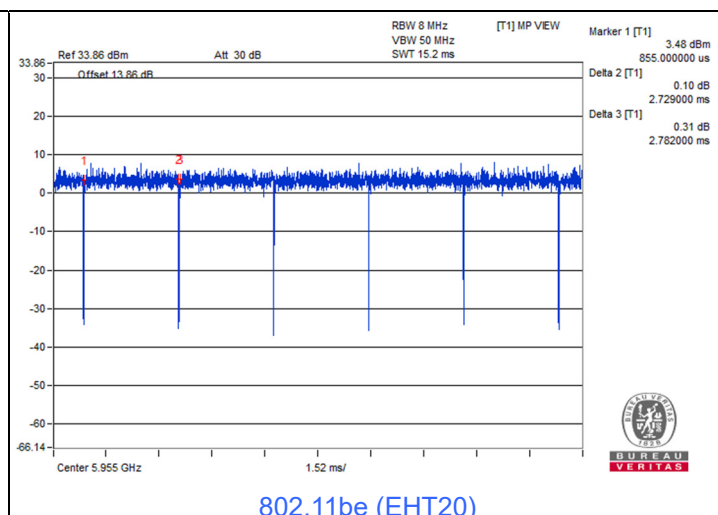
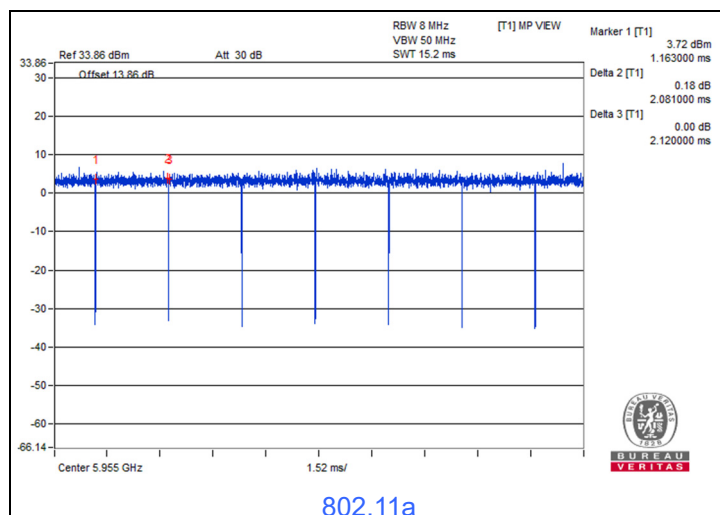
802.11be (EHT160): Duty cycle = 0.746 ms / 0.76 ms x 100% = 98.2%

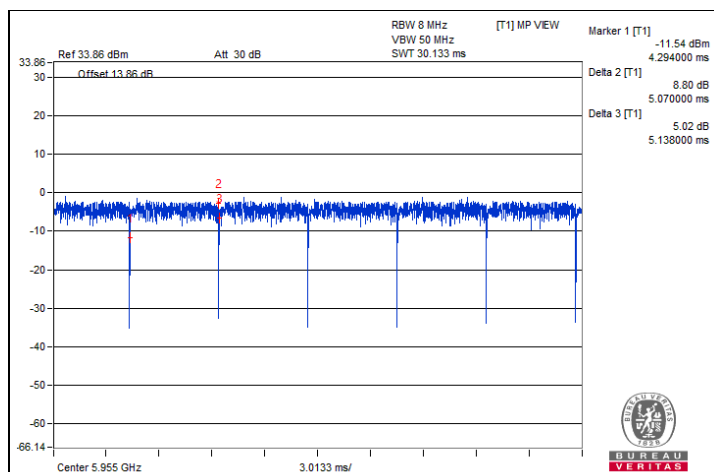
802.11be (EHT320): Duty cycle = 0.877 ms / 0.891 ms x 100% = 98.4%

802.11be (EHT20) 26-tone RU: Duty cycle = 5.07 ms / 5.138 ms x 100% = 98.7%

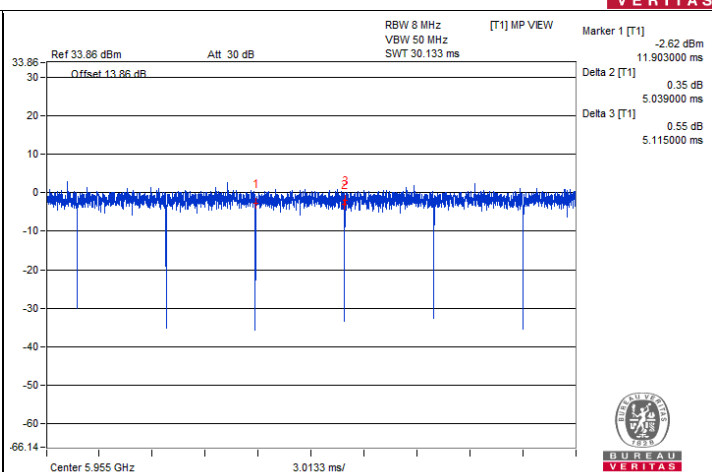
802.11be (EHT20) 52-tone RU: Duty cycle = 5.039 ms / 5.115 ms x 100% = 98.5%

802.11be (EHT20) 106-tone RU: Duty cycle = 3.047 ms / 3.07 ms x 100% = 99.3%

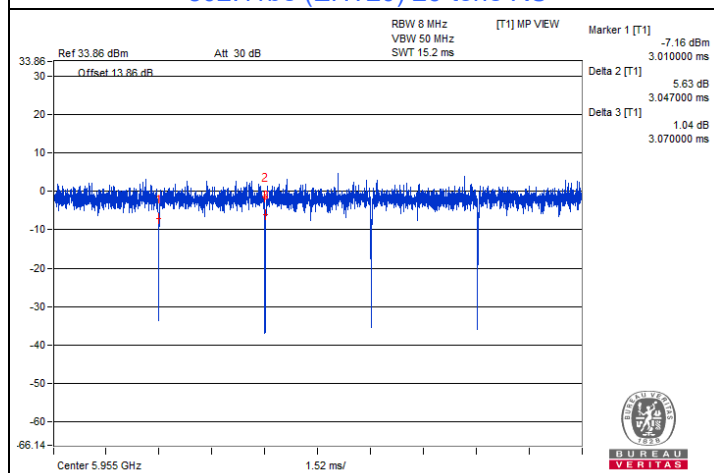




802.11be (EHT20) 26-tone RU



802.11be (EHT20) 52-tone RU



802.11be (EHT20) 106-tone RU

under control of standard power AP

2Tx

802.11a: Duty cycle = 2.086 ms / 2.121 ms x 100% = 98.3%

802.11be (EHT20): Duty cycle = 2.717 ms / 2.744 ms x 100% = 99.0%

802.11be (EHT40): Duty cycle = 5.371 ms / 5.409 ms x 100% = 99.3%

802.11be (EHT80): Duty cycle = 1.023 ms / 1.032 ms x 100% = 99.1%

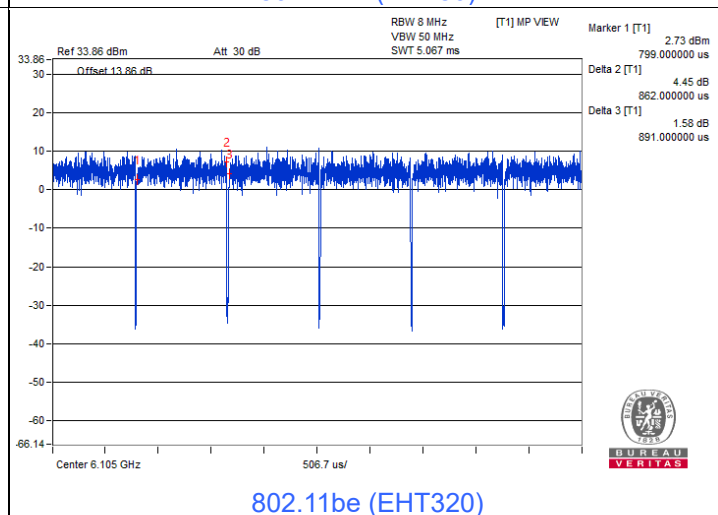
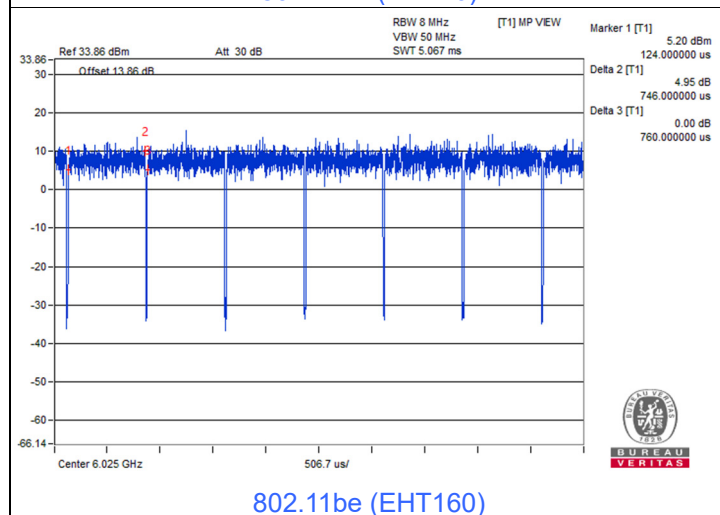
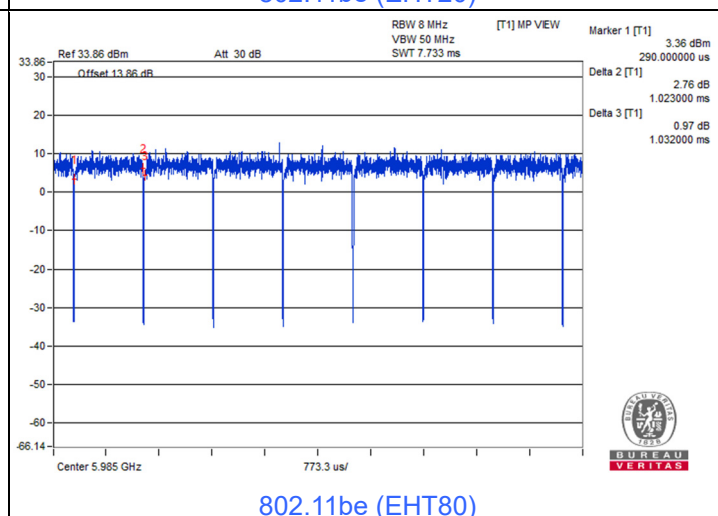
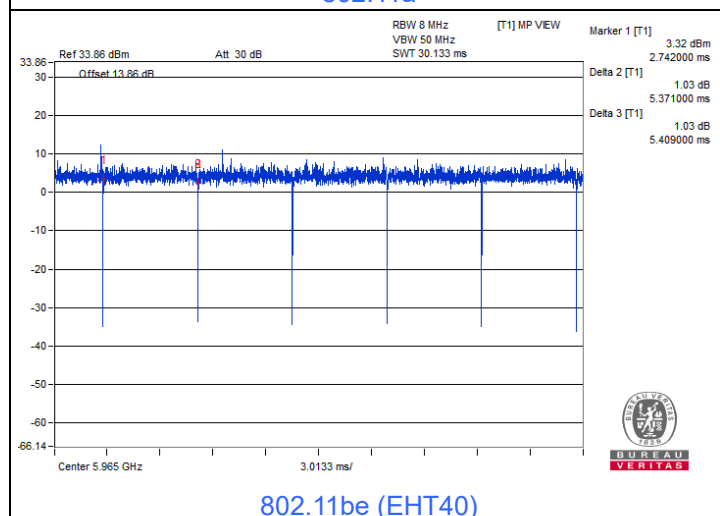
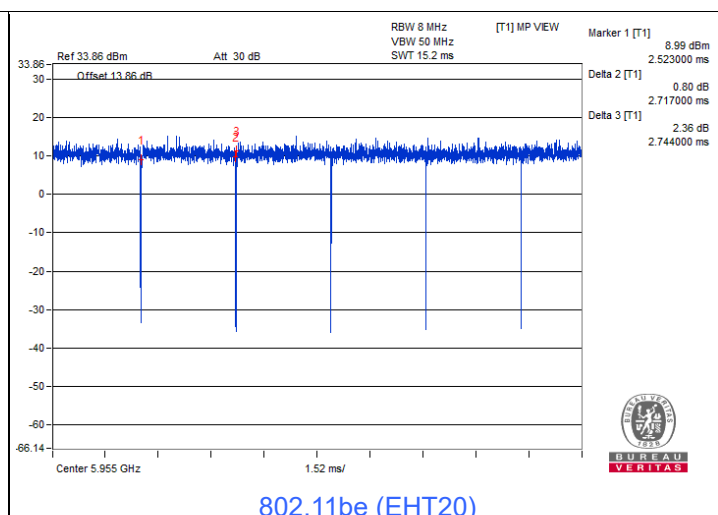
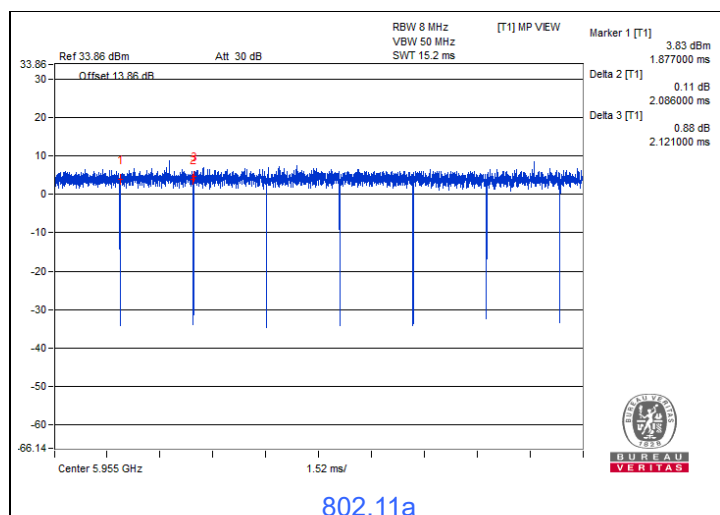
802.11be (EHT160): Duty cycle = 0.746 ms / 0.76 ms x 100% = 98.2%

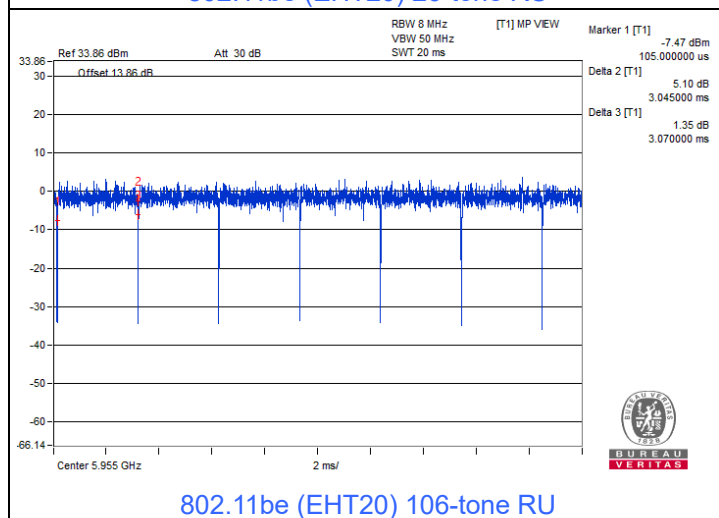
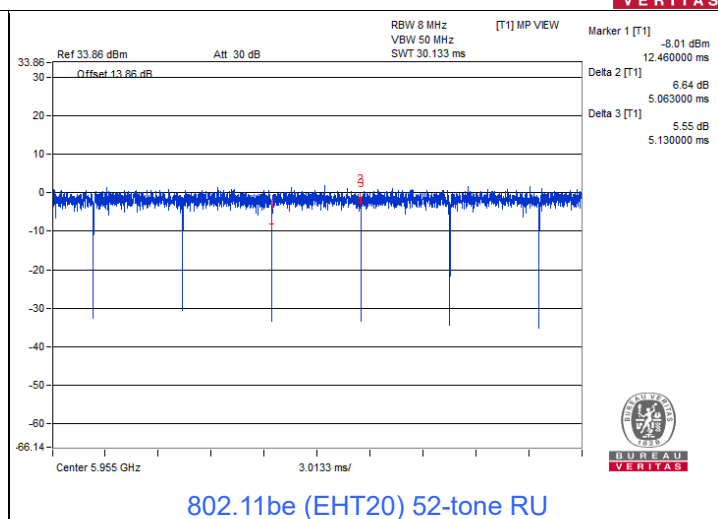
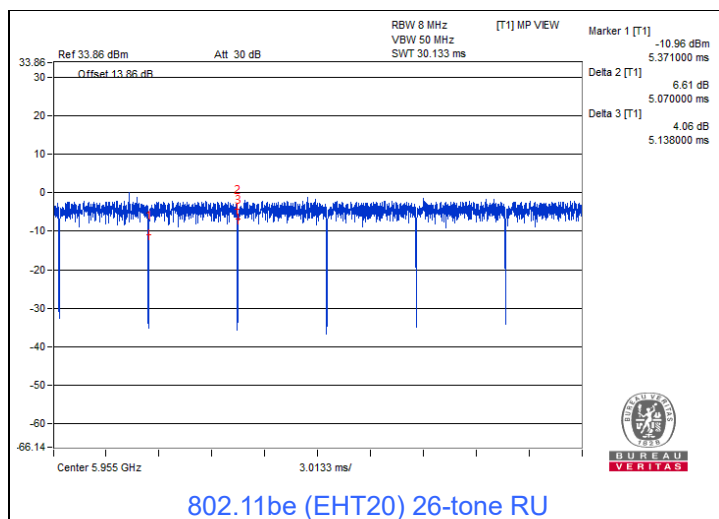
802.11be (EHT320): Duty cycle = 0.862 ms / 0.891 ms x 100% = 96.7%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

802.11be (EHT20) 26-tone RU: Duty cycle = 5.07 ms / 5.138 ms x 100% = 98.7%

802.11be (EHT20) 52-tone RU: Duty cycle = 5.063 ms / 5.13 ms x 100% = 98.7%

802.11be (EHT20) 106-tone RU: Duty cycle = 3.045 ms / 3.07 ms x 100% = 99.2%





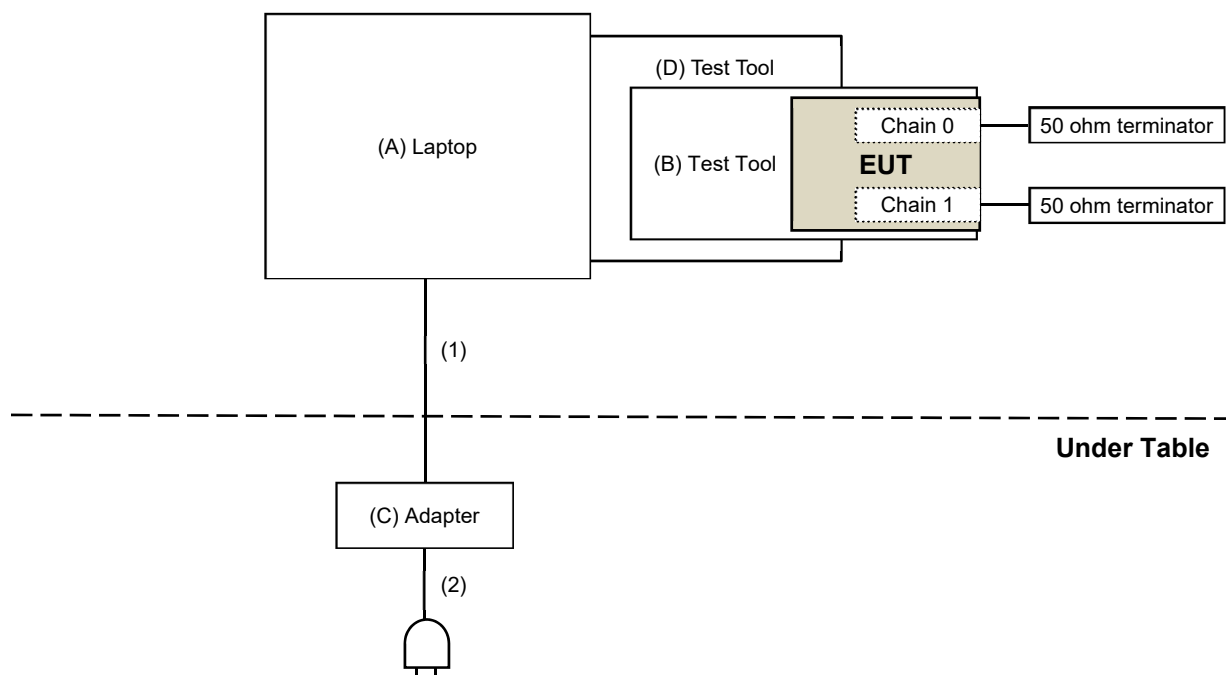
3.6 Test Program Used and Operation Descriptions

Controlling software (WLQN QRCT Module V4.0.00195.4) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

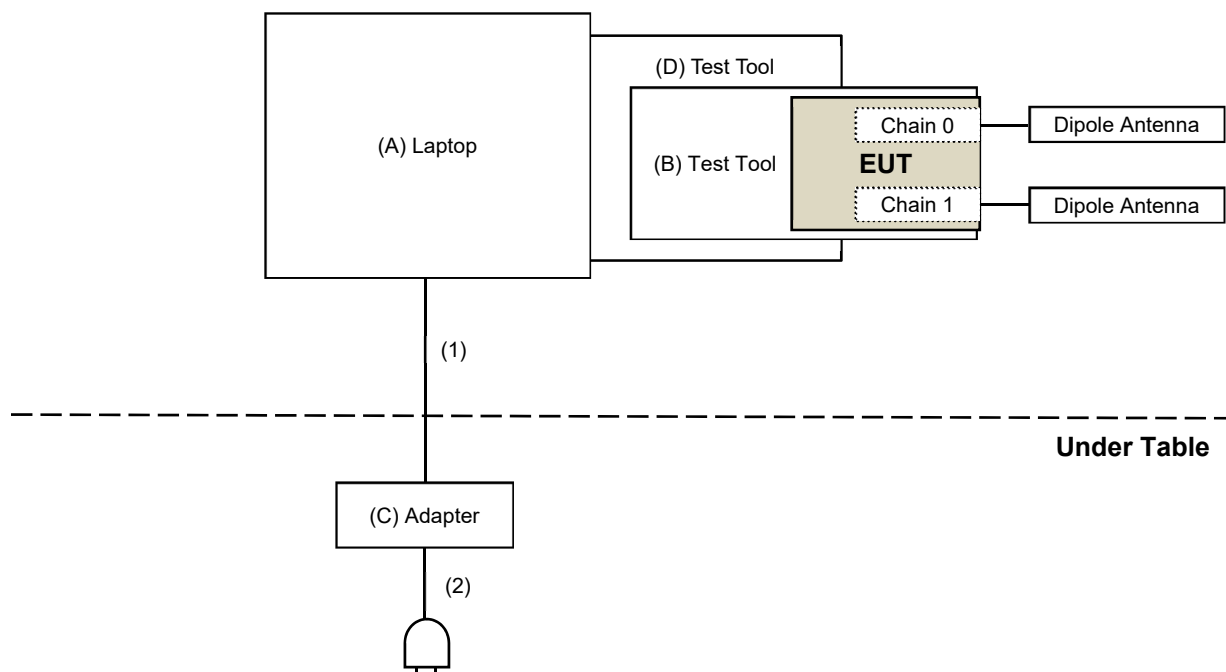
For Unwanted Emission test below 1G

Mode B

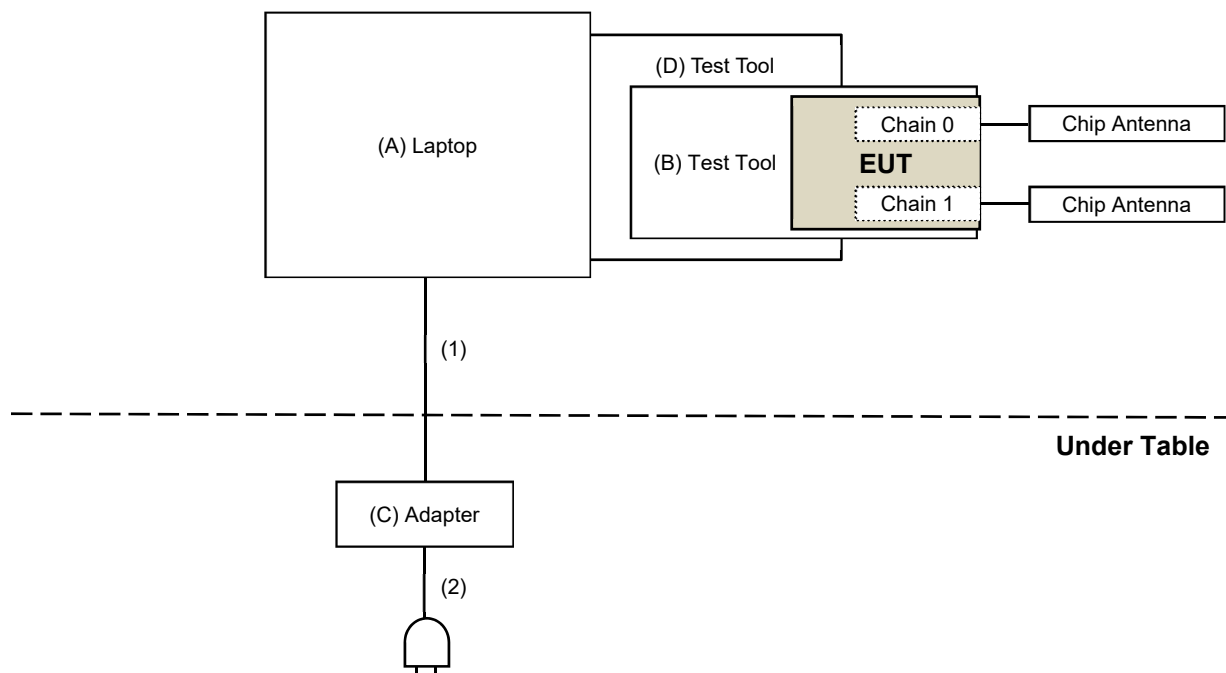


For Unwanted Emission test above 1G

Mode C



Mode D



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Dell	E6430	N/A	N/A	Supplied by applicant
B	Test Tool	Qualcomm	N/A	N/A	N/A	Supplied by applicant
C	Adapter	Dell	HAS65NM130	N/A	N/A	Supplied by applicant
D	Test Tool	Qualcomm	N/A	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	0	Supplied by applicant
2	AC Cable	1	1.5	No	0	Supplied by applicant

4 Test Instruments

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

4.1 Maximum RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Pulse Power Sensor Anritsu	MA2411B	1726434	2024/6/7	2025/6/6
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/10/30

4.2 Unwanted Emissions below 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/10/25

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0842	2024/10/8	2025/10/7
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2024/3/25	2025/3/24
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2024/3/30	2025/3/29
Loop Antenna TESEQ	HLA 6121	63620	2024/10/17	2025/10/16
Preamplifier EMCI	EMC330N	980538	2024/3/30	2025/3/29
	EMC001340	980142	2024/2/19	2025/2/18
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20	2025/5/19
RF Coaxial Cable JYBAO	5D-FB	LOOPCAB-001	2024/2/19	2025/2/18
		LOOPCAB-002	2024/2/19	2025/2/18
RF Coaxial Cable PEWC	8D	966-5-1	2024/3/30	2025/3/29
		966-5-2	2024/3/30	2025/3/29
		966-5-3	2024/3/30	2025/3/29
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2024/10/29

4.3 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2024/3/25	2025/3/24
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1819	2023/11/12 2024/11/10	2024/11/11 2025/11/9
	BBHA 9170	9170-739	2023/11/12 2024/11/10	2024/11/11 2025/11/9
Preamplifier EMCI	EMC12630SE	980509	2024/1/29	2025/1/28
	EMC184045SE	980387	2024/8/8	2025/8/7
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20	2025/5/19
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2024/1/29	2025/1/28
	EMC102-KM-KM-4000	200214	2024/1/29	2025/1/28
	EMC104-SM-SM-1500	180503	2024/3/16	2025/3/15
	EMC104-SM-SM-2000	180501	2024/3/16	2025/3/15
	EMC104-SM-SM-6000	180506	2024/3/16	2025/3/15
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2024/11/1 ~ 2024/12/20

5 Limits of Test Items

5.1 Maximum RF Output Power

Operation Band	Equipment Class	Limit
		Maximum Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6CD: 15E 6 GHz Dual client (under control of a low-power indoor access point)	EIRP 24 dBm
U-NII-5 U-NII-7	6CD: 15E 6 GHz Dual client (under control of a Standard power access point)	EIRP 30 dBm

Per KDB 662911 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.

5.2 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	$2400/F(\text{kHz})$	300
0.490 ~ 1.705	$24000/F(\text{kHz})$	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).

5.3 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

Frequencies (MHz)	EIRP Limit	Equivalent Field Strength at 3 m
5925 MHz > F > 7125 MHz	Peak: -7 (dBm/MHz)	88.2 (dBuV/m)
	Average: -27 (dBm/MHz)	68.2 (dBuV/m)

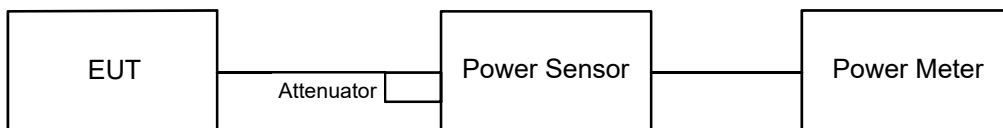
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup



6.1.2 Test Procedure

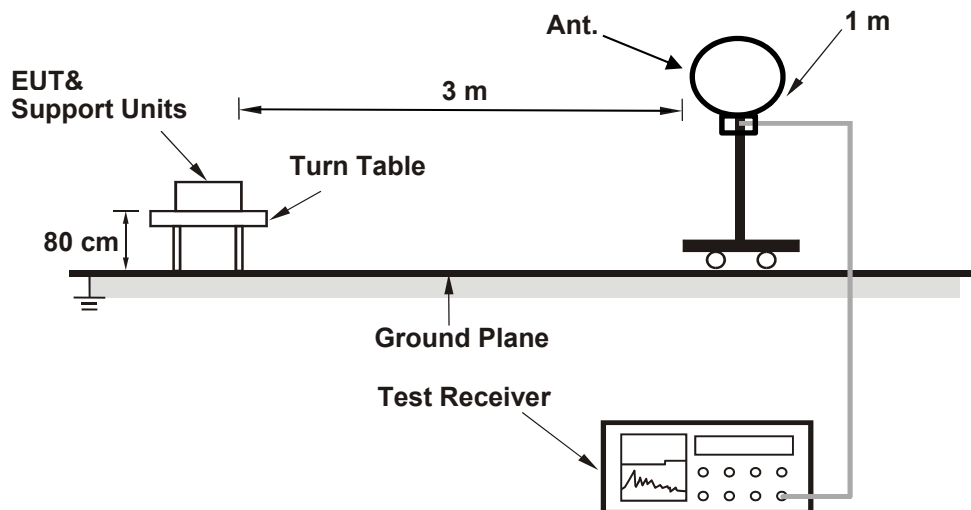
Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to average. Duty factor is not added to measured value.

6.2 Unwanted Emissions below 1 GHz

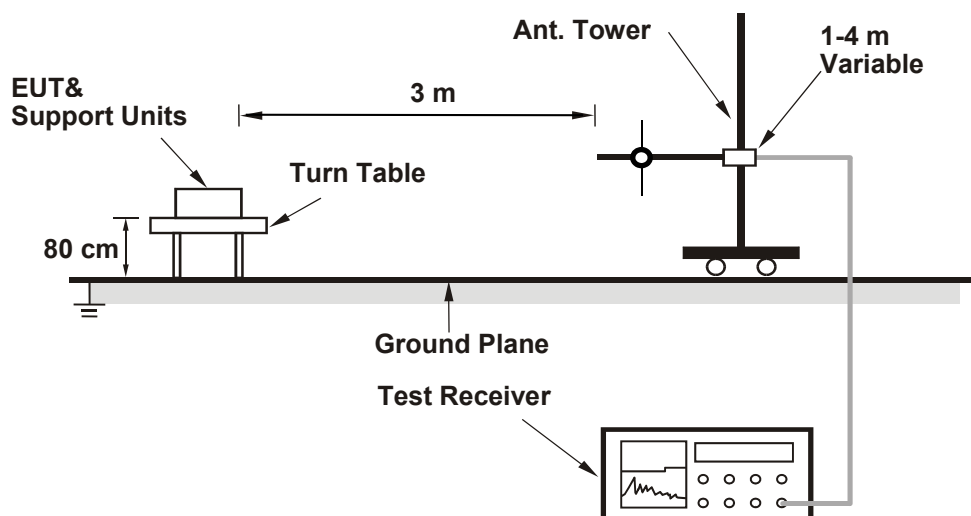
6.2.1 Test Setup

For Radiated Configuration:

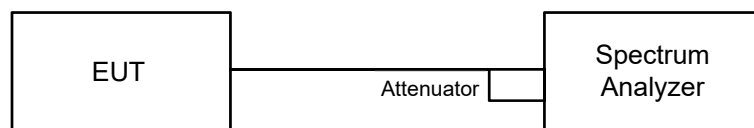
For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For Conducted Configuration:



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

6.2.2 Test Procedure

Radiated versus Conducted Measurement.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test

For Radiated emission below 30 MHz

- e-1.1. 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.
- e-1.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-1.3. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- e-1.4. 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-1.5. 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

- e-2.1. 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.
- e-2.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-2.3. 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.
- e-2.4. 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-2.5. 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.

Radiated versus Conducted Measurement

For Radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation).

For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

Conducted Unwanted Emission Convert Formula

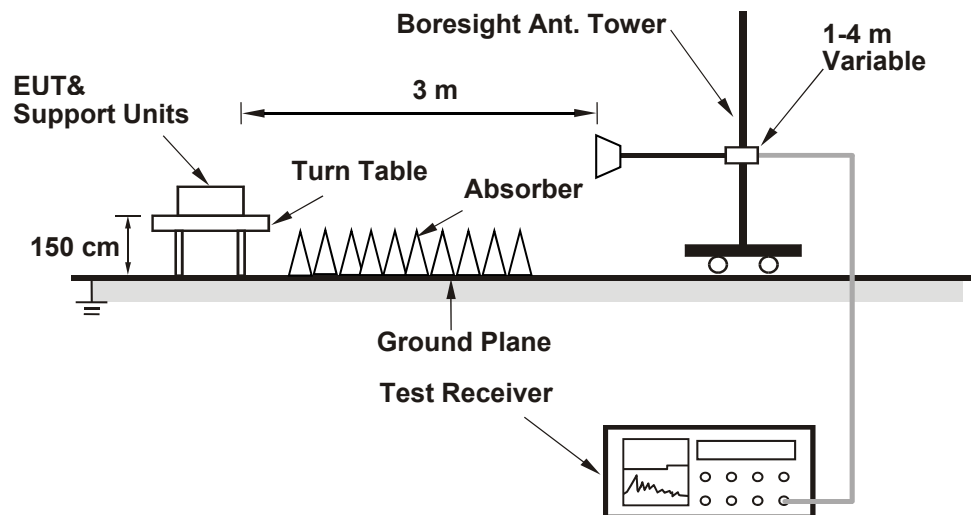
- a. $\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$
 $d = \text{measurement distance in 3 meters.}$
- b. $\text{EIRP Level (dBm)} = \text{Raw Value(dBm)} + \text{Correction Factor(dB)}$
- c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal.
 For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.
 For the band edge the gain for the specific band may have been used.

Notes:

1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:
 For frequencies between 30 MHz and 1000 MHz, add 4.7 dB.
2. The conducted emission test was considered some factor to compute test result.

6.3 Unwanted Emissions above 1 GHz

6.3.1 Test Setup



6.3.2 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 Maximum RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Ko
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under control of low power indoor AP

1Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	2.244	3.51	5.14	7.329	8.65	24	Pass
1	5955	4.909	6.91	5.14	16.032	12.05	24	Pass
45	6175	4.898	6.90	5.14	15.996	12.04	24	Pass
93	6415	4.624	6.65	5.14	15.101	11.79	24	Pass
97	6435	4.699	6.72	5.09	15.171	11.81	24	Pass
105	6475	4.498	6.53	5.09	14.522	11.62	24	Pass
113	6515	4.688	6.71	5.09	15.135	11.8	24	Pass
117	6535	4.677	6.70	5.16	15.345	11.86	24	Pass
149	6695	4.624	6.65	5.16	15.171	11.81	24	Pass
181	6855	4.375	6.41	5.16	14.354	11.57	24	Pass
185	6875	4.808	6.82	5.16	15.775	11.98	24	Pass
209	6995	5.212	7.17	5.12	16.944	12.29	24	Pass
233	7115	2.317	3.65	5.12	7.532	8.77	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.2529	-5.97	5.14	0.8259	-0.83	24	Pass
1	5955	5.408	7.33	5.14	17.662	12.47	24	Pass
45	6175	5.105	7.08	5.14	16.672	12.22	24	Pass
93	6415	5.248	7.20	5.14	17.139	12.34	24	Pass
97	6435	5.248	7.20	5.09	16.943	12.29	24	Pass
105	6475	5.117	7.09	5.09	16.52	12.18	24	Pass
113	6515	5.458	7.37	5.09	17.621	12.46	24	Pass
117	6535	5.408	7.33	5.16	17.743	12.49	24	Pass
149	6695	5.224	7.18	5.16	17.14	12.34	24	Pass
181	6855	4.932	6.93	5.16	16.182	12.09	24	Pass
185	6875	5.521	7.42	5.16	18.114	12.58	24	Pass
209	6995	6.026	7.80	5.12	19.59	12.92	24	Pass
233	7115	0.2183	-6.61	5.12	0.7097	-1.49	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	7.907	8.98	5.14	25.823	14.12	24	Pass
43	6165	7.43	8.71	5.14	24.265	13.85	24	Pass
91	6405	7.656	8.84	5.14	25.004	13.98	24	Pass
99	6445	7.161	8.55	5.09	23.119	13.64	24	Pass
107	6485	7.129	8.53	5.09	23.016	13.62	24	Pass
115	6525	7.516	8.76	5.16	24.66	13.92	24	Pass
123	6565	7.278	8.62	5.16	23.879	13.78	24	Pass
155	6725	7.161	8.55	5.16	23.495	13.71	24	Pass
179	6845	7.079	8.50	5.16	23.226	13.66	24	Pass
187	6885	7.178	8.56	5.12	23.335	13.68	24	Pass
211	7005	7.079	8.50	5.12	23.013	13.62	24	Pass
227	7085	7.096	8.51	5.12	23.068	13.63	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	11.482	10.60	5.14	37.499	15.74	24	Pass
39	6145	10.99	10.41	5.14	35.892	15.55	24	Pass
87	6385	11.015	10.42	5.14	35.974	15.56	24	Pass
103	6465	13.646	11.35	5.09	44.056	16.44	24	Pass
119	6545	12.162	10.85	5.16	39.903	16.01	24	Pass
151	6705	12.05	10.81	5.16	39.535	15.97	24	Pass
183	6865	12.56	10.99	5.16	41.209	16.15	24	Pass
199	6945	12.078	10.82	5.12	39.264	15.94	24	Pass
215	7025	11.858	10.74	5.12	38.549	15.86	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	28.314	14.52	5.14	92.47	19.66	24	Pass
47	6185	28.249	14.51	5.14	92.258	19.65	24	Pass
79	6345	25.527	14.07	5.14	83.368	19.21	24	Pass
111	6505	26.669	14.26	5.09	86.101	19.35	24	Pass
143	6665	26.792	14.28	5.16	87.903	19.44	24	Pass
175	6825	26.242	14.19	5.16	86.099	19.35	24	Pass
207	6985	25.351	14.04	5.12	82.413	19.16	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
31	6105	21.928	13.41	5.14	71.614	18.55	24	Pass
63	6265	20.701	13.16	5.14	67.607	18.3	24	Pass
95	6425	19.634	12.93	5.14	64.122	18.07	24	Pass
127	6585	20.184	13.05	5.16	66.223	18.21	24	Pass
159	6745	21.727	13.37	5.16	71.285	18.53	24	Pass
191	6905	20.749	13.17	5.12	67.452	18.29	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 5.14 dBi.
2. For U-NII-6, The antenna gain is 5.09 dBi.
3. For U-NII-7, The antenna gain is 5.16 dBi.
4. For U-NII-8, The antenna gain is 5.12 dBi.

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Ko
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2Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-1.05	-2.47	1.3515	1.31	5.14	4.414	6.45	24	Pass
1	5955	-1.04	-1.65	1.471	1.68	5.14	4.804	6.82	24	Pass
45	6175	-1.82	-1.76	1.3245	1.22	5.14	4.326	6.36	24	Pass
93	6415	-1.44	-2.37	1.2972	1.13	5.14	4.236	6.27	24	Pass
97	6435	-1.03	-1.86	1.4405	1.59	5.09	4.651	6.68	24	Pass
105	6475	-0.97	-1.80	1.4605	1.65	5.09	4.715	6.74	24	Pass
113	6515	-0.99	-1.97	1.4315	1.56	5.09	4.622	6.65	24	Pass
117	6535	-1.14	-1.86	1.4208	1.53	5.16	4.662	6.69	24	Pass
149	6695	-1.44	-1.61	1.408	1.49	5.16	4.62	6.65	24	Pass
181	6855	-1.53	-2.04	1.3282	1.23	5.16	4.358	6.39	24	Pass
185	6875	-1.94	-2.26	1.234	0.91	5.16	4.049	6.07	24	Pass
209	6995	-1.81	-1.98	1.293	1.12	5.12	4.203	6.24	24	Pass
233	7115	-1.93	-2.23	1.2396	0.93	5.12	4.03	6.05	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.03	-12.90	0.11395	-9.43	5.14	0.3721	-4.29	24	Pass
1	5955	-0.66	-1.29	1.602	2.05	5.14	5.232	7.19	24	Pass
45	6175	-1.44	-1.39	1.4439	1.60	5.14	4.716	6.74	24	Pass
93	6415	-1.11	-2.02	1.4025	1.47	5.14	4.58	6.61	24	Pass
97	6435	-0.68	-1.58	1.5501	1.90	5.09	5.004	6.99	24	Pass
105	6475	-0.77	-1.52	1.5422	1.88	5.09	4.979	6.97	24	Pass
113	6515	-0.73	-1.51	1.5516	1.91	5.09	5.009	7	24	Pass
117	6535	-0.91	-1.59	1.5044	1.77	5.16	4.936	6.93	24	Pass
149	6695	-1.11	-1.27	1.5209	1.82	5.16	4.99	6.98	24	Pass
181	6855	-1.05	-1.65	1.4691	1.67	5.16	4.82	6.83	24	Pass
185	6875	-1.24	-1.59	1.445	1.60	5.16	4.741	6.76	24	Pass
209	6995	-1.11	-1.48	1.4857	1.72	5.12	4.83	6.84	24	Pass
233	7115	-11.71	-12.46	0.12421	-9.06	5.12	0.4038	-3.94	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	2.81	3.05	3.928	5.94	5.14	12.828	11.08	24	Pass
43	6165	2.66	3.08	3.877	5.88	5.14	12.662	11.02	24	Pass
91	6405	2.66	3.05	3.863	5.87	5.14	12.616	11.01	24	Pass
99	6445	2.92	2.81	3.869	5.88	5.09	12.491	10.97	24	Pass
107	6485	2.77	3.04	3.906	5.92	5.09	12.61	11.01	24	Pass
115	6525	2.68	3.00	3.849	5.85	5.16	12.628	11.01	24	Pass
123	6565	2.75	3.08	3.916	5.93	5.16	12.848	11.09	24	Pass
155	6725	2.86	3.10	3.974	5.99	5.16	13.039	11.15	24	Pass
179	6845	2.62	3.00	3.823	5.82	5.16	12.543	10.98	24	Pass
187	6885	2.38	2.32	3.436	5.36	5.12	11.17	10.48	24	Pass
211	7005	2.84	2.74	3.802	5.80	5.12	12.36	10.92	24	Pass
227	7085	2.85	2.84	3.851	5.86	5.12	12.519	10.98	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	4.14	4.72	5.559	7.45	5.14	18.155	12.59	24	Pass
39	6145	3.85	5.00	5.589	7.47	5.14	18.253	12.61	24	Pass
87	6385	4.51	5.14	6.091	7.85	5.14	19.892	12.99	24	Pass
103	6465	5.42	5.47	7.007	8.46	5.09	22.622	13.55	24	Pass
119	6545	4.43	5.51	6.33	8.01	5.16	20.768	13.17	24	Pass
151	6705	4.44	5.03	5.964	7.76	5.16	19.568	12.92	24	Pass
183	6865	4.44	4.93	5.891	7.70	5.16	19.328	12.86	24	Pass
199	6945	4.34	4.88	5.793	7.63	5.12	18.832	12.75	24	Pass
215	7025	4.18	4.90	5.708	7.56	5.12	18.556	12.68	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	8.09	8.44	13.424	11.28	5.14	43.841	16.42	24	Pass
47	6185	8.29	8.39	13.648	11.35	5.14	44.573	16.49	24	Pass
79	6345	7.95	8.49	13.301	11.24	5.14	43.439	16.38	24	Pass
111	6505	8.20	8.28	13.337	11.25	5.09	43.058	16.34	24	Pass
143	6665	8.13	8.27	13.216	11.21	5.16	43.361	16.37	24	Pass
175	6825	8.16	8.37	13.417	11.28	5.16	44.021	16.44	24	Pass
207	6985	8.10	8.33	13.264	11.23	5.12	43.12	16.35	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	11.57	11.98	30.131	14.79	5.14	98.404	19.93	24	Pass
63	6265	11.44	11.93	29.527	14.70	5.14	96.432	19.84	24	Pass
95	6425	11.09	11.75	27.815	14.44	5.14	90.84	19.58	24	Pass
127	6585	11.06	11.64	27.353	14.37	5.16	89.744	19.53	24	Pass
159	6745	11.20	11.40	26.986	14.31	5.16	88.54	19.47	24	Pass
191	6905	10.96	11.49	26.567	14.24	5.12	86.366	19.36	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-19.47	-20.08	0.021115	-16.75	5.14	0.06896	-11.61	24	Pass
1	5955	-9.55	-9.82	0.2151	-6.67	5.14	0.7025	-1.53	24	Pass
45	6175	-9.85	-10.23	0.19836	-7.03	5.14	0.6478	-1.89	24	Pass
93	6415	-9.80	-10.50	0.19384	-7.13	5.14	0.6331	-1.99	24	Pass
97	6435	-9.99	-10.37	0.19206	-7.17	5.09	0.6201	-2.08	24	Pass
105	6475	-9.78	-10.12	0.20247	-6.94	5.09	0.6537	-1.85	24	Pass
113	6515	-9.63	-9.91	0.211	-6.76	5.09	0.6812	-1.67	24	Pass
117	6535	-9.64	-10.03	0.20795	-6.82	5.16	0.6823	-1.66	24	Pass
149	6695	-9.38	-9.63	0.2242	-6.49	5.16	0.7356	-1.33	24	Pass
181	6855	-9.86	-10.09	0.20123	-6.96	5.16	0.6602	-1.8	24	Pass
185	6875	-9.62	-10.28	0.2029	-6.93	5.16	0.6657	-1.77	24	Pass
209	6995	-9.62	-9.94	0.2105	-6.77	5.12	0.6843	-1.65	24	Pass
233	7115	-18.79	-18.90	0.0261	-15.83	5.12	0.08485	-10.71	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-17.09	-17.98	0.03547	-14.50	5.14	0.1158	-9.36	24	Pass
1	5955	-6.29	-7.21	0.4251	-3.72	5.14	1.388	1.42	24	Pass
45	6175	-6.95	-7.81	0.3674	-4.35	5.14	1.2	0.79	24	Pass
93	6415	-6.75	-7.49	0.3896	-4.09	5.14	1.272	1.05	24	Pass
97	6435	-6.91	-7.99	0.3626	-4.41	5.09	1.171	0.68	24	Pass
105	6475	-6.73	-7.89	0.3749	-4.26	5.09	1.21	0.83	24	Pass
113	6515	-6.35	-7.41	0.4133	-3.84	5.09	1.334	1.25	24	Pass
117	6535	-6.77	-7.59	0.3846	-4.15	5.16	1.262	1.01	24	Pass
149	6695	-6.67	-7.80	0.3812	-4.19	5.16	1.251	0.97	24	Pass
181	6855	-6.83	-7.87	0.3708	-4.31	5.16	1.217	0.85	24	Pass
185	6875	-6.88	-7.91	0.3669	-4.35	5.16	1.204	0.81	24	Pass
209	6995	-6.94	-7.50	0.3801	-4.20	5.12	1.236	0.92	24	Pass
233	7115	-17.06	-17.25	0.03852	-14.14	5.12	0.1252	-9.02	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-15.12	-16.10	0.05531	-12.57	5.14	0.1806	-7.43	24	Pass
1	5955	-3.32	-4.03	0.861	-0.65	5.14	2.812	4.49	24	Pass
45	6175	-3.64	-4.26	0.8075	-0.93	5.14	2.637	4.21	24	Pass
93	6415	-3.75	-4.59	0.7692	-1.14	5.14	2.512	4	24	Pass
97	6435	-3.65	-4.20	0.8117	-0.91	5.09	2.621	4.18	24	Pass
105	6475	-2.94	-4.32	0.878	-0.57	5.09	2.835	4.52	24	Pass
113	6515	-3.08	-4.58	0.8404	-0.76	5.09	2.713	4.33	24	Pass
117	6535	-2.96	-4.15	0.8904	-0.50	5.16	2.921	4.66	24	Pass
149	6695	-3.36	-3.85	0.8734	-0.59	5.16	2.866	4.57	24	Pass
181	6855	-3.47	-4.32	0.8196	-0.86	5.16	2.689	4.3	24	Pass
185	6875	-3.49	-3.95	0.8504	-0.70	5.16	2.79	4.46	24	Pass
209	6995	-3.76	-4.61	0.7667	-1.15	5.12	2.492	3.97	24	Pass
233	7115	-14.68	-14.95	0.06603	-11.80	5.12	0.2147	-6.68	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-6, The maximum gain is 5.09 dBi.
4. For U-NII-7, The maximum gain is 5.16 dBi.
5. For U-NII-8, The maximum gain is 5.12 dBi.

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Ko
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under control of standard power AP

2Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-1.17	-1.69	1.4415	1.59	5.14	4.708	6.73	30	Pass
1	5955	14.25	14.67	55.916	17.48	5.14	182.615	22.62	30	Pass
45	6175	14.14	14.61	54.849	17.39	5.14	179.13	22.53	30	Pass
93	6415	14.15	14.32	53.041	17.25	5.14	173.225	22.39	30	Pass
117	6535	14.26	14.23	53.154	17.26	5.16	174.396	22.42	30	Pass
149	6695	14.54	14.41	56.05	17.49	5.16	183.897	22.65	30	Pass
181	6855	14.12	14.08	51.408	17.11	5.16	168.667	22.27	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.09	-12.97	0.11227	-9.50	5.14	0.3667	-4.36	30	Pass
1	5955	14.77	15.23	63.334	18.02	5.14	206.841	23.16	30	Pass
45	6175	14.94	15.51	66.752	18.24	5.14	218.004	23.38	30	Pass
93	6415	14.66	14.86	59.861	17.77	5.14	195.499	22.91	30	Pass
117	6535	15.01	15.27	65.347	18.15	5.16	214.4	23.31	30	Pass
149	6695	15.11	15.06	64.497	18.10	5.16	211.612	23.26	30	Pass
181	6855	14.66	14.59	58.016	17.64	5.16	190.348	22.8	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	14.45	14.83	58.27	17.65	5.14	190.303	22.79	30	Pass
43	6165	14.61	15.05	60.896	17.85	5.14	198.879	22.99	30	Pass
91	6405	14.30	14.59	55.689	17.46	5.14	181.873	22.6	30	Pass
123	6565	14.76	14.80	60.122	17.79	5.16	197.257	22.95	30	Pass
155	6725	14.77	14.58	58.699	17.69	5.16	192.589	22.85	30	Pass
179	6845	14.62	14.14	54.915	17.40	5.16	180.174	22.56	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	13.49	14.03	47.629	16.78	5.14	155.551	21.92	30	Pass
39	6145	13.61	14.03	48.254	16.84	5.14	157.592	21.98	30	Pass
87	6385	13.38	13.70	45.219	16.55	5.14	147.68	21.69	30	Pass
135	6625	14.08	13.75	49.3	16.93	5.16	161.751	22.09	30	Pass
151	6705	14.02	13.77	49.058	16.91	5.16	160.957	22.07	30	Pass
167	6785	14.07	13.71	49.023	16.90	5.16	160.842	22.06	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	14.11	14.45	53.624	17.29	5.14	175.129	22.43	30	Pass
47	6185	13.92	14.47	52.65	17.21	5.14	171.948	22.35	30	Pass
79	6345	13.85	14.45	52.127	17.17	5.14	170.24	22.31	30	Pass
143	6665	14.27	13.93	51.447	17.11	5.16	168.795	22.27	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	13.51	13.85	46.705	16.69	5.14	152.533	21.83	30	Pass
63	6265	13.26	13.79	45.117	16.54	5.14	147.347	21.68	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-19.94	-20.20	0.019689	-17.06	5.14	0.0643	-11.92	30	Pass
1	5955	7.58	8.20	12.335	10.91	5.14	40.285	16.05	30	Pass
45	6175	7.47	8.17	12.146	10.84	5.14	39.667	15.98	30	Pass
93	6415	8.03	8.28	13.083	11.17	5.14	42.727	16.31	30	Pass
117	6535	7.89	7.38	11.622	10.65	5.16	38.131	15.81	30	Pass
149	6695	7.84	7.34	11.501	10.61	5.16	37.734	15.77	30	Pass
181	6855	7.95	7.72	12.153	10.85	5.16	39.873	16.01	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-17.41	-18.06	0.03379	-14.71	5.14	0.1104	-9.57	30	Pass
1	5955	10.81	11.43	25.95	14.14	5.14	84.75	19.28	30	Pass
45	6175	10.51	11.29	24.705	13.93	5.14	80.684	19.07	30	Pass
93	6415	10.51	10.56	22.622	13.55	5.14	73.881	18.69	30	Pass
117	6535	11.08	10.82	24.901	13.96	5.16	81.699	19.12	30	Pass
149	6695	11.15	10.86	25.222	14.02	5.16	82.752	19.18	30	Pass
181	6855	10.24	10.10	20.801	13.18	5.16	68.247	18.34	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-15.53	-16.37	0.05106	-12.92	5.14	0.1668	-7.78	30	Pass
1	5955	13.74	14.12	49.482	16.94	5.14	161.602	22.08	30	Pass
45	6175	13.37	13.95	46.558	16.68	5.14	152.053	21.82	30	Pass
93	6415	13.56	13.84	46.909	16.71	5.14	153.199	21.85	30	Pass
117	6535	14.36	14.13	53.172	17.26	5.16	174.455	22.42	30	Pass
149	6695	14.32	14.16	53.101	17.25	5.16	174.222	22.41	30	Pass
181	6855	14.53	14.11	54.142	17.34	5.16	177.637	22.5	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi.
3. For U-NII-7, The maximum gain is 5.16 dBi.

7.2 Unwanted Emissions below 1 GHz

under control of low power indoor AP

Mode A

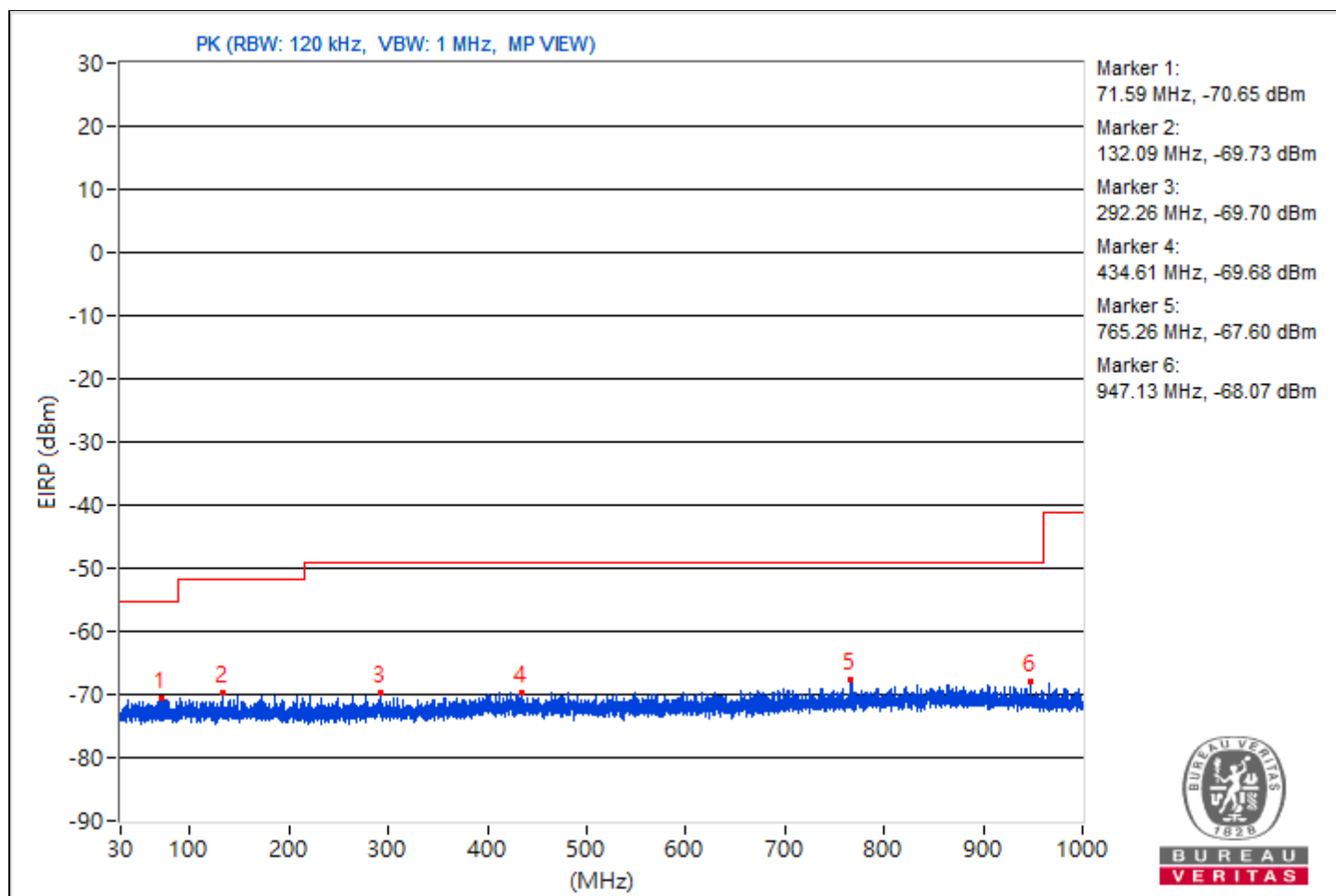
1Tx

RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	22°C, 11% RH
Tested By	Kevin Ko		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	71.59	24.61 PK	40	-15.39	-80.51	9.86	-70.65
2	132.09	25.53 PK	43.5	-17.97	-79.59	9.86	-69.73
3	292.26	25.56 PK	46	-20.44	-79.56	9.86	-69.7
4	434.61	25.58 PK	46	-20.42	-79.54	9.86	-69.68
5	765.26	27.66 PK	46	-18.34	-77.46	9.86	-67.6
6	947.13	27.19 PK	46	-18.81	-77.93	9.86	-68.07

Notes:

1. Margin value = Emission Level - Limit value
2. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



Mode B

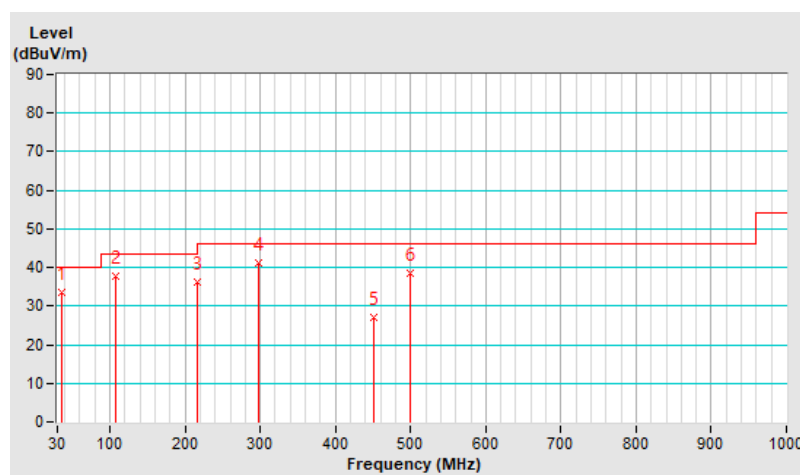
1Tx

RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24 °C, 65 % RH
Tested By	Willy Lin		

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	35.34	33.6 QP	40.0	-6.4	3.00 H	281	52.0	-18.4
2	107.52	37.6 QP	43.5	-5.9	1.50 H	322	58.4	-20.8
3	216.58	36.1 QP	46.0	-9.9	1.00 H	136	57.0	-20.9
4	297.70	41.0 QP	46.0	-5.0	2.00 H	193	58.0	-17.0
5	450.60	27.2 QP	46.0	-18.8	1.50 H	320	40.0	-12.8
6	499.52	38.6 QP	46.0	-7.4	1.50 H	204	50.6	-12.0

Remarks:

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

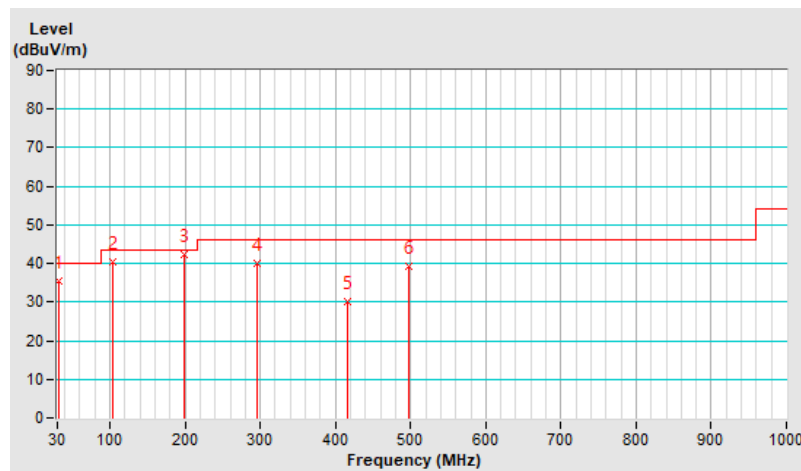


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.79	35.6 QP	40.0	-4.4	3.00 V	270	54.3	-18.7
2	103.39	40.5 QP	43.5	-3.0	1.50 V	301	62.0	-21.5
3	199.67	42.4 QP	43.5	-1.1	1.50 V	150	63.3	-20.9
4	296.50	40.1 QP	46.0	-5.9	2.00 V	198	57.1	-17.0
5	417.00	30.2 QP	46.0	-15.8	1.00 V	214	43.9	-13.7
6	497.48	39.1 QP	46.0	-6.9	1.50 V	331	51.1	-12.0

Remarks:

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



under control of standard power AP

Mode A

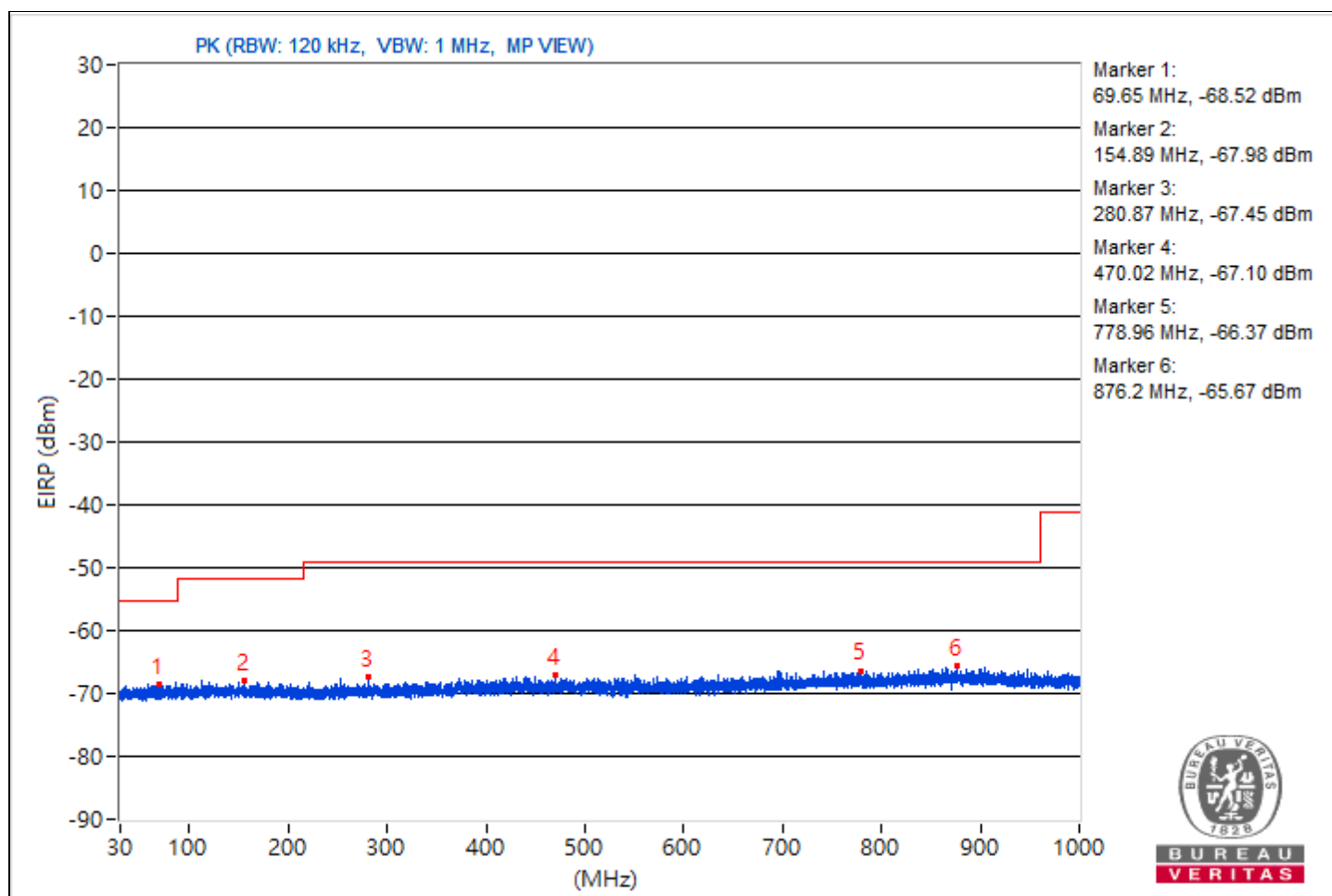
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	22°C, 11% RH
Tested By	Kevin Ko		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	69.65	26.74 PK	40	-13.26	-80.33	-82.78	9.86	-68.52
2	154.89	27.28 PK	43.5	-16.22	-79.73	-82.37	9.86	-67.98
3	280.87	27.81 PK	46	-18.19	-79.25	-81.73	9.86	-67.45
4	470.02	28.16 PK	46	-17.84	-79.13	-81.01	9.86	-67.1
5	778.96	28.89 PK	46	-17.11	-78.1	-80.81	9.86	-66.37
6	876.2	29.59 PK	46	-16.41	-78.04	-79.1	9.86	-65.67

Notes:

1. Margin value = Emission Level - Limit value
2. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



Mode B

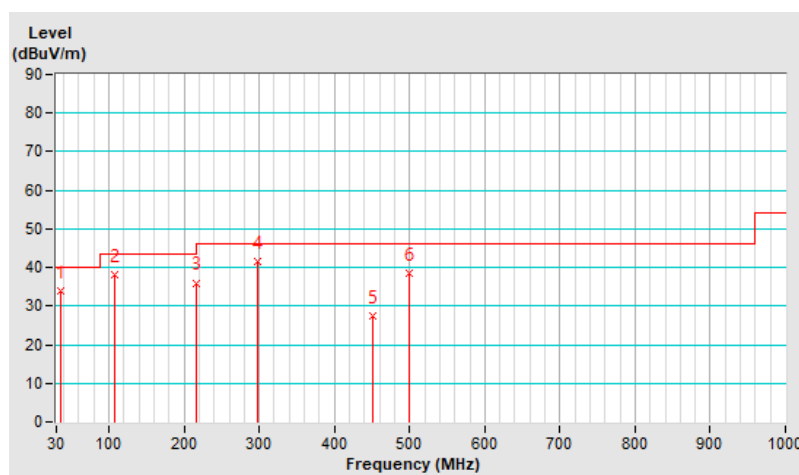
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24 °C, 65 % RH
Tested By	Willy Lin		

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	35.64	33.8 QP	40.0	-6.2	2.00 H	278	52.2	-18.4
2	108.27	38.2 QP	43.5	-5.3	1.50 H	313	58.9	-20.7
3	216.53	36.0 QP	46.0	-10.0	1.50 H	133	56.9	-20.9
4	298.10	41.5 QP	46.0	-4.5	3.00 H	174	58.5	-17.0
5	451.14	27.4 QP	46.0	-18.6	1.50 H	303	40.2	-12.8
6	499.33	38.6 QP	46.0	-7.4	2.00 H	189	50.6	-12.0

Remarks:

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

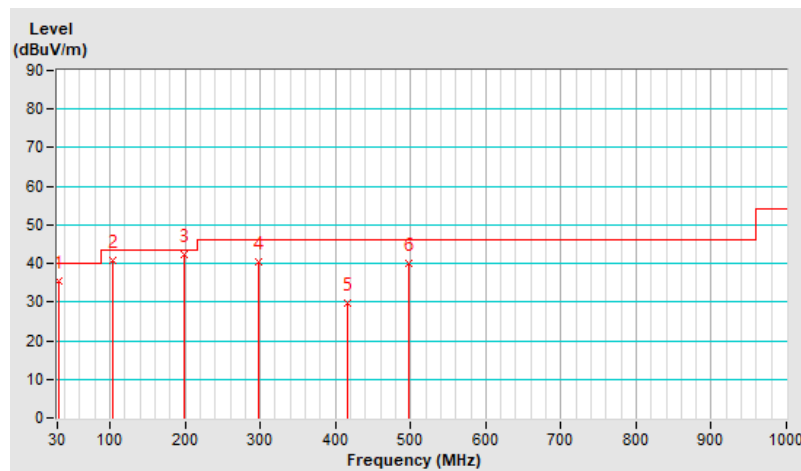


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.57	35.4 QP	40.0	-4.6	3.00 V	255	54.1	-18.7
2	103.12	40.7 QP	43.5	-2.8	2.00 V	301	62.2	-21.5
3	199.30	42.2 QP	43.5	-1.3	1.50 V	162	63.1	-20.9
4	296.76	40.3 QP	46.0	-5.7	1.50 V	199	57.3	-17.0
5	416.68	29.7 QP	46.0	-16.3	2.00 V	209	43.5	-13.8
6	498.10	39.9 QP	46.0	-6.1	1.00 V	313	51.9	-12.0

Remarks:

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



7.3 Unwanted Emissions above 1 GHz

under control of low power indoor AP

Mode C

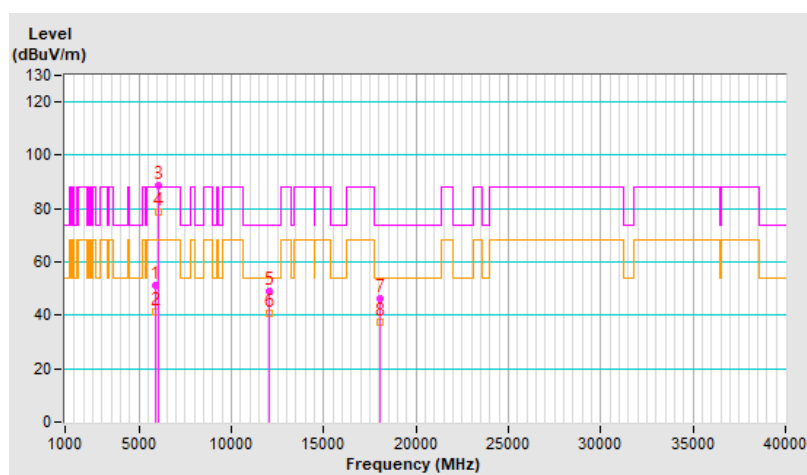
1Tx

RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 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 (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	51.2 PK	88.2	-37.0	1.29 H	107	48.5	2.7
2	#5925.00	41.3 AV	68.2	-26.9	1.29 H	107	38.6	2.7
3	*6025.00	88.9 PK			1.29 H	107	86.1	2.8
4	*6025.00	78.5 AV			1.29 H	107	75.7	2.8
5	12050.00	48.9 PK	74.0	-25.1	1.10 H	222	36.7	12.2
6	12050.00	40.8 AV	54.0	-13.2	1.10 H	222	28.6	12.2
7	18075.00	46.3 PK	74.0	-27.7	1.24 H	179	52.1	-5.8
8	18075.00	37.2 AV	54.0	-16.8	1.24 H	179	43.0	-5.8

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.

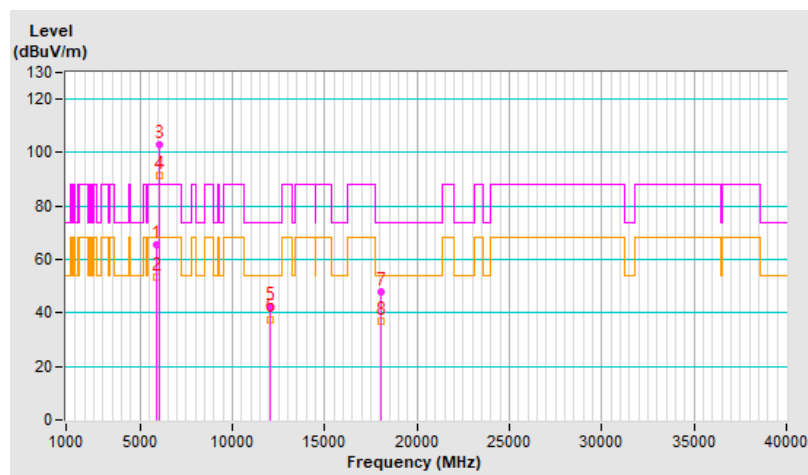


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	65.3 PK	88.2	-22.9	2.33 V	127	62.6	2.7
2	#5925.00	53.4 AV	68.2	-14.8	2.33 V	127	50.7	2.7
3	*6025.00	103.1 PK			2.33 V	127	100.3	2.8
4	*6025.00	91.2 AV			2.33 V	127	88.4	2.8
5	12050.00	42.6 PK	74.0	-31.4	1.27 V	203	30.4	12.2
6	12050.00	37.7 AV	54.0	-16.3	1.27 V	203	25.5	12.2
7	18075.00	47.9 PK	74.0	-26.1	1.10 V	181	53.7	-5.8
8	18075.00	37.1 AV	54.0	-16.9	1.10 V	181	42.9	-5.8

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.

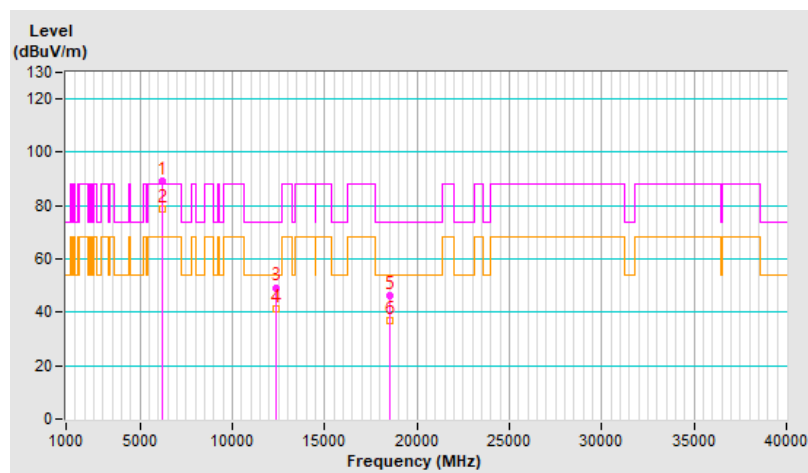


RF Mode	802.11be (EHT160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6185.00	89.2 PK			1.28 H	92	85.8	3.4
2	*6185.00	78.6 AV			1.28 H	92	75.2	3.4
3	12370.00	49.3 PK	74.0	-24.7	1.11 H	221	37.9	11.4
4	12370.00	41.2 AV	54.0	-12.8	1.11 H	221	29.8	11.4
5	18555.00	46.1 PK	74.0	-27.9	1.22 H	170	51.9	-5.8
6	18555.00	37.1 AV	54.0	-16.9	1.22 H	170	42.9	-5.8

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.

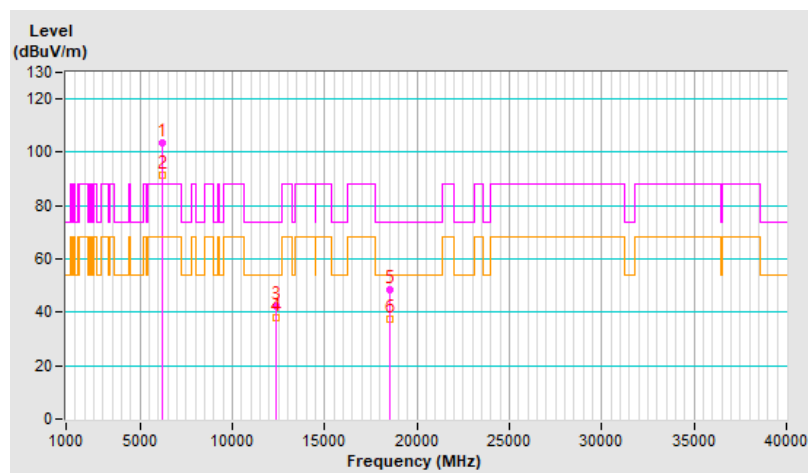


RF Mode	802.11be (EHT160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6185.00	103.3 PK			2.32 V	131	99.9	3.4
2	*6185.00	91.2 AV			2.32 V	131	87.8	3.4
3	12370.00	42.6 PK	74.0	-31.4	1.32 V	212	31.2	11.4
4	12370.00	37.9 AV	54.0	-16.1	1.32 V	212	26.5	11.4
5	18555.00	48.2 PK	74.0	-25.8	1.10 V	166	54.0	-5.8
6	18555.00	37.2 AV	54.0	-16.8	1.10 V	166	43.0	-5.8

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.

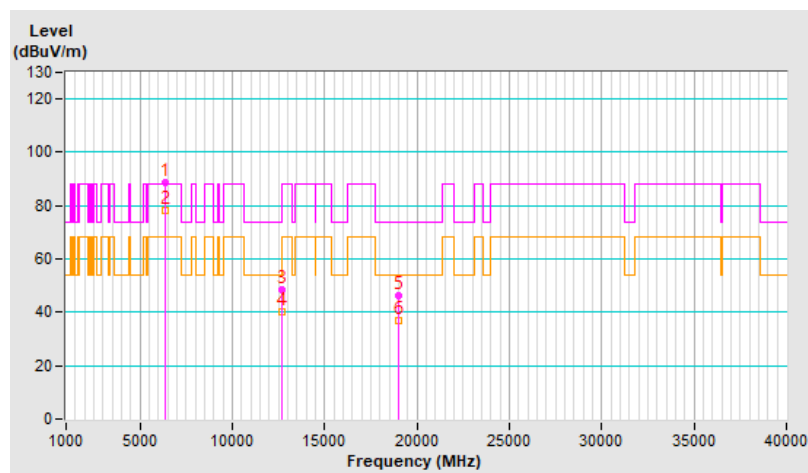


RF Mode	802.11be (EHT160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6345.00	88.7 PK			1.34 H	92	84.6	4.1
2	*6345.00	78.4 AV			1.34 H	92	74.3	4.1
3	12690.00	48.6 PK	74.0	-25.4	1.16 H	222	36.7	11.9
4	12690.00	40.3 AV	54.0	-13.7	1.16 H	222	28.4	11.9
5	19035.00	46.3 PK	74.0	-27.7	1.29 H	180	51.9	-5.6
6	19035.00	37.0 AV	54.0	-17.0	1.29 H	180	42.6	-5.6

Remarks:

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

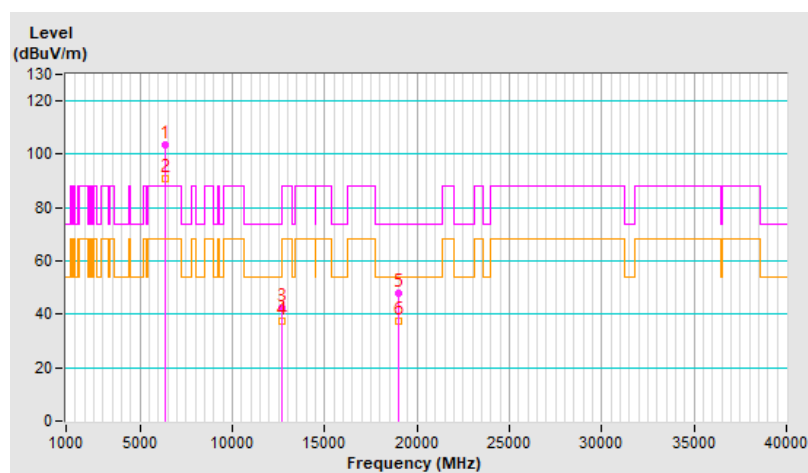


RF Mode	802.11be (EHT160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6345.00	103.3 PK			2.37 V	118	99.2	4.1
2	*6345.00	91.1 AV			2.37 V	118	87.0	4.1
3	12690.00	42.4 PK	74.0	-31.6	1.27 V	193	30.5	11.9
4	12690.00	37.6 AV	54.0	-16.4	1.27 V	193	25.7	11.9
5	19035.00	48.0 PK	74.0	-26.0	1.07 V	175	53.6	-5.6
6	19035.00	37.2 AV	54.0	-16.8	1.07 V	175	42.8	-5.6

Remarks:

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

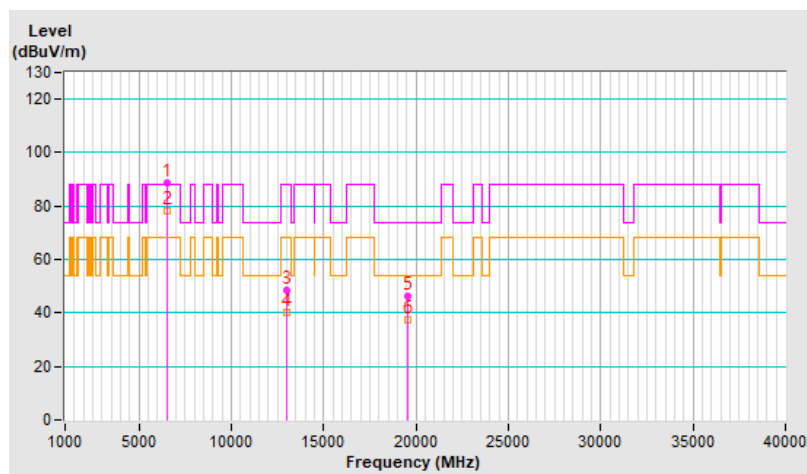


RF Mode	802.11be (EHT160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6505.00	88.5 PK			1.27 H	117	83.5	5.0
2	*6505.00	78.2 AV			1.27 H	117	73.2	5.0
3	#13010.00	48.3 PK	88.2	-39.9	1.09 H	216	36.0	12.3
4	#13010.00	40.4 AV	68.2	-27.8	1.09 H	216	28.1	12.3
5	19515.00	46.2 PK	74.0	-27.8	1.27 H	188	51.8	-5.6
6	19515.00	37.3 AV	54.0	-16.7	1.27 H	188	42.9	-5.6

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.

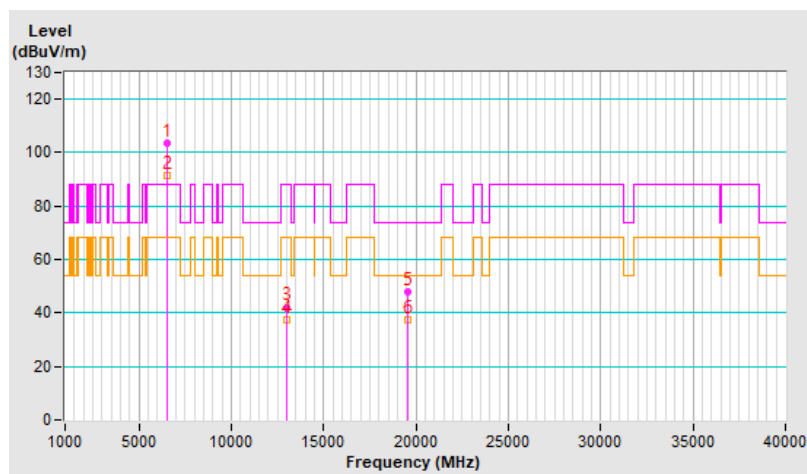


RF Mode	802.11be (EHT160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6505.00	103.4 PK			2.32 V	134	98.4	5.0
2	*6505.00	91.3 AV			2.32 V	134	86.3	5.0
3	#13010.00	42.1 PK	88.2	-46.1	1.26 V	205	29.8	12.3
4	#13010.00	37.2 AV	68.2	-31.0	1.26 V	205	24.9	12.3
5	19515.00	48.0 PK	74.0	-26.0	1.10 V	177	53.6	-5.6
6	19515.00	37.4 AV	54.0	-16.6	1.10 V	177	43.0	-5.6

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.

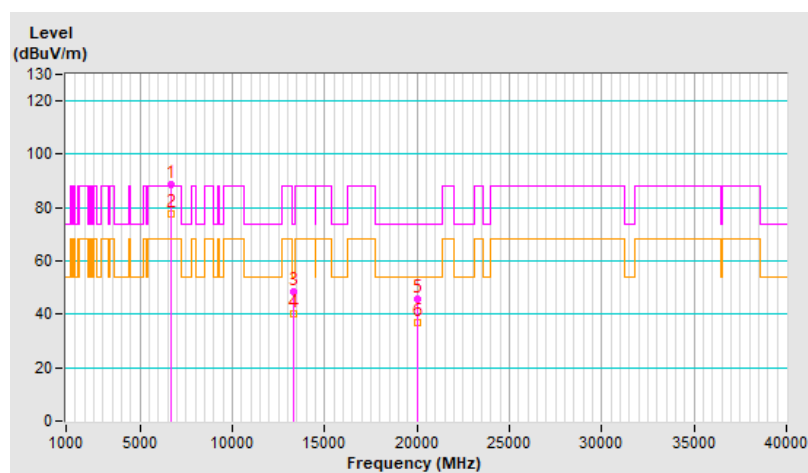


RF Mode	802.11be (EHT160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6665.00	88.5 PK			1.30 H	130	82.9	5.6
2	*6665.00	77.9 AV			1.30 H	130	72.3	5.6
3	13330.00	48.5 PK	74.0	-25.5	1.14 H	236	34.8	13.7
4	13330.00	40.4 AV	54.0	-13.6	1.14 H	236	26.7	13.7
5	19995.00	45.6 PK	74.0	-28.4	1.25 H	191	50.7	-5.1
6	19995.00	36.8 AV	54.0	-17.2	1.25 H	191	41.9	-5.1

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.

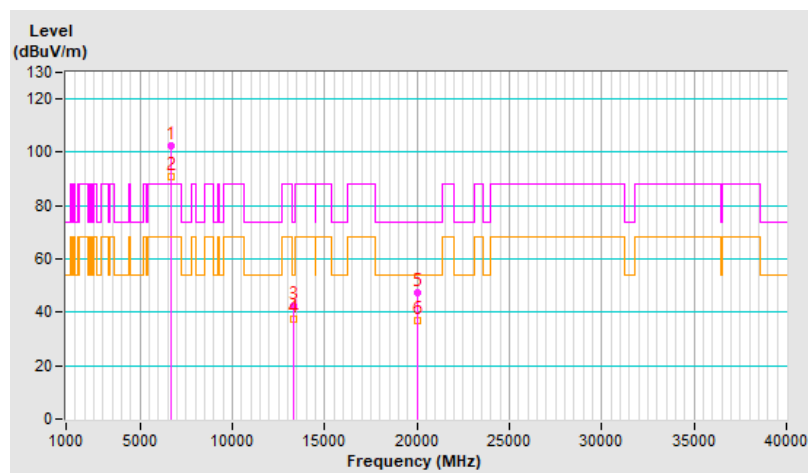


RF Mode	802.11be (EHT160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6665.00	102.5 PK			2.35 V	123	96.9	5.6
2	*6665.00	90.8 AV			2.35 V	123	85.2	5.6
3	13330.00	42.3 PK	74.0	-31.7	1.23 V	210	28.6	13.7
4	13330.00	37.6 AV	54.0	-16.4	1.23 V	210	23.9	13.7
5	19995.00	47.3 PK	74.0	-26.7	1.11 V	166	52.4	-5.1
6	19995.00	36.7 AV	54.0	-17.3	1.11 V	166	41.8	-5.1

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.

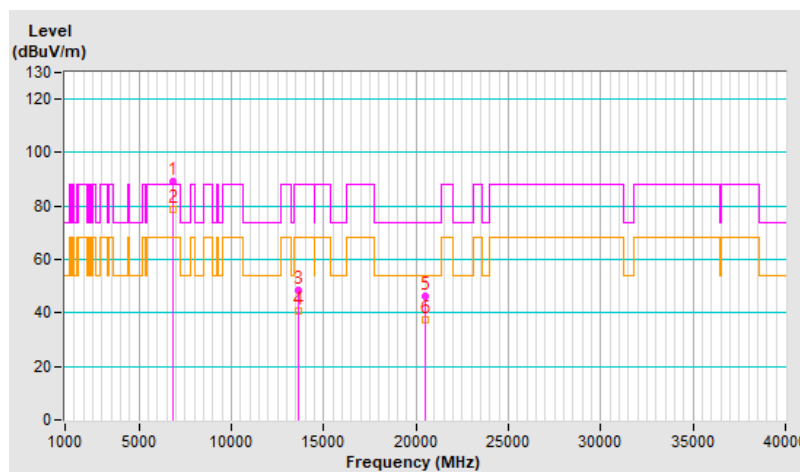


RF Mode	802.11be (EHT160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6825.00	89.1 PK			1.30 H	99	83.6	5.5
2	*6825.00	78.5 AV			1.30 H	99	73.0	5.5
3	#13650.00	48.7 PK	88.2	-39.5	1.12 H	211	34.8	13.9
4	#13650.00	40.5 AV	68.2	-27.7	1.12 H	211	26.6	13.9
5	20475.00	46.2 PK	74.0	-27.8	1.25 H	177	50.4	-4.2
6	20475.00	37.4 AV	54.0	-16.6	1.25 H	177	41.6	-4.2

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.

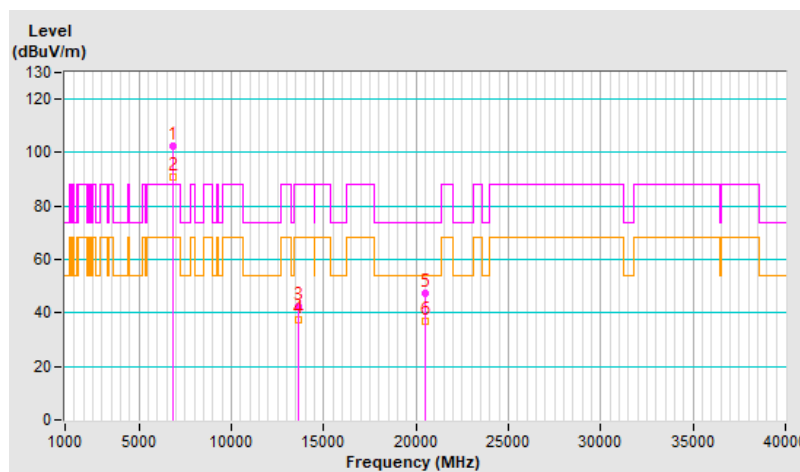


RF Mode	802.11be (EHT160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6825.00	102.6 PK			2.39 V	114	97.1	5.5
2	*6825.00	90.9 AV			2.39 V	114	85.4	5.5
3	#13650.00	42.5 PK	88.2	-45.7	1.30 V	200	28.6	13.9
4	#13650.00	37.6 AV	68.2	-30.6	1.30 V	200	23.7	13.9
5	20475.00	47.5 PK	74.0	-26.5	1.11 V	184	51.7	-4.2
6	20475.00	36.8 AV	54.0	-17.2	1.11 V	184	41.0	-4.2

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.

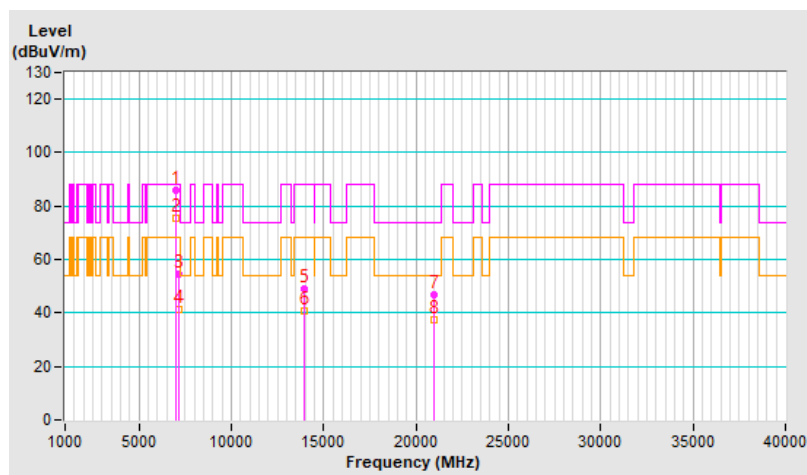


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6985.00	86.0 PK			1.50 H	108	79.5	6.5
2	*6985.00	75.3 AV			1.50 H	108	68.8	6.5
3	#7125.00	54.3 PK	88.2	-33.9	1.50 H	108	47.2	7.1
4	#7125.00	41.5 AV	68.2	-26.7	1.50 H	108	34.4	7.1
5	#13970.00	48.9 PK	88.2	-39.3	1.06 H	235	34.1	14.8
6	#13970.00	40.7 AV	68.2	-27.5	1.06 H	235	25.9	14.8
7	20955.00	47.0 PK	74.0	-27.0	1.24 H	186	51.0	-4.0
8	20955.00	37.6 AV	54.0	-16.4	1.24 H	186	41.6	-4.0

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.

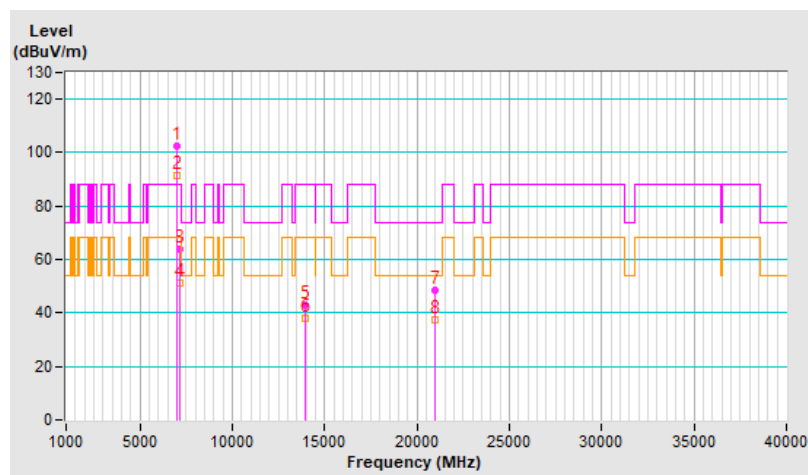


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6985.00	102.5 PK			2.21 V	120	96.0	6.5
2	*6985.00	91.5 AV			2.21 V	120	85.0	6.5
3	#7125.00	63.8 PK	88.2	-24.4	2.21 V	120	56.7	7.1
4	#7125.00	51.3 AV	68.2	-16.9	2.21 V	120	44.2	7.1
5	#13970.00	42.9 PK	88.2	-45.3	1.30 V	218	28.1	14.8
6	#13970.00	38.2 AV	68.2	-30.0	1.30 V	218	23.4	14.8
7	20955.00	48.3 PK	74.0	-25.7	1.08 V	170	52.3	-4.0
8	20955.00	37.2 AV	54.0	-16.8	1.08 V	170	41.2	-4.0

Remarks:

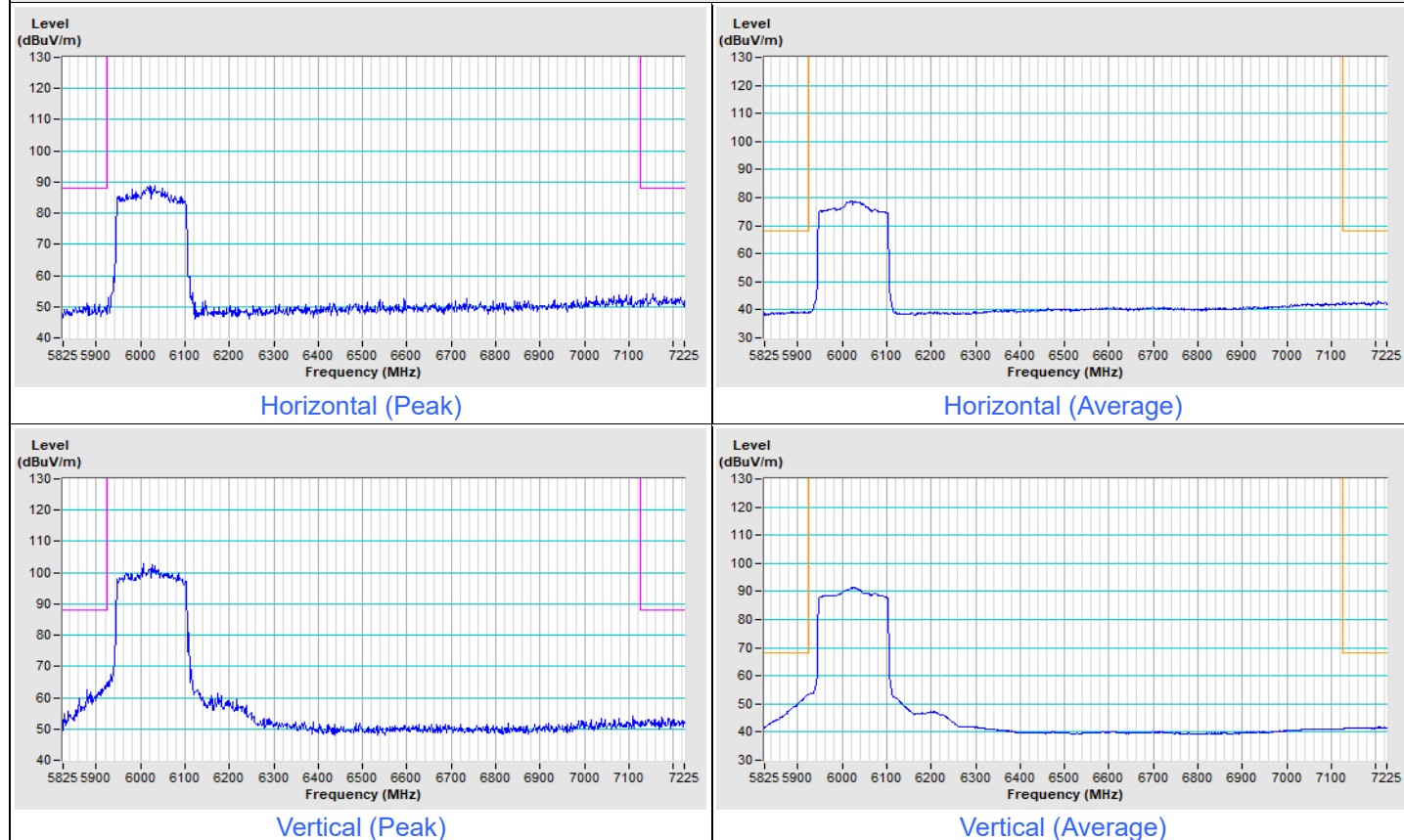
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

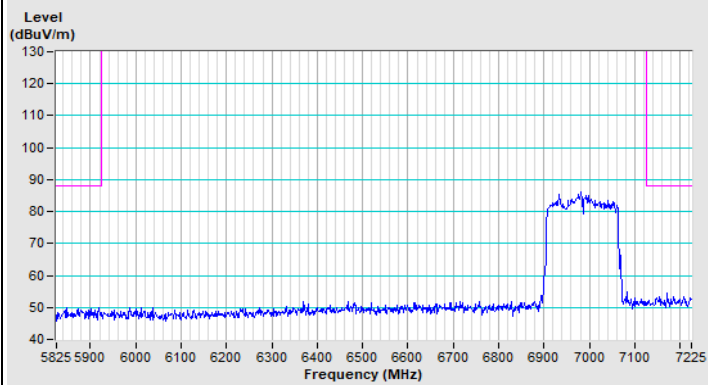


Plot of Band Edge

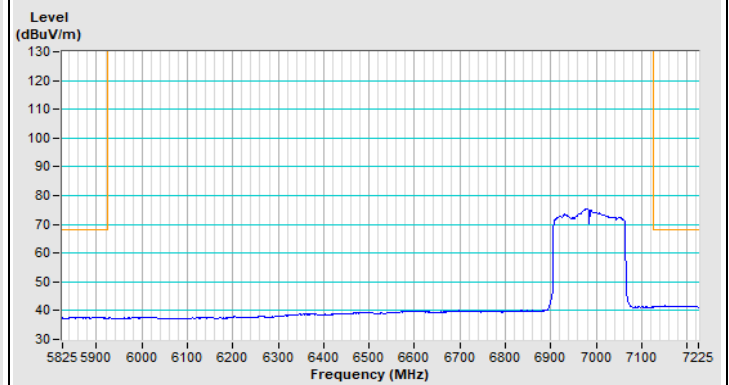
Frequency Range	5.825 GHz ~ 7.225 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 15

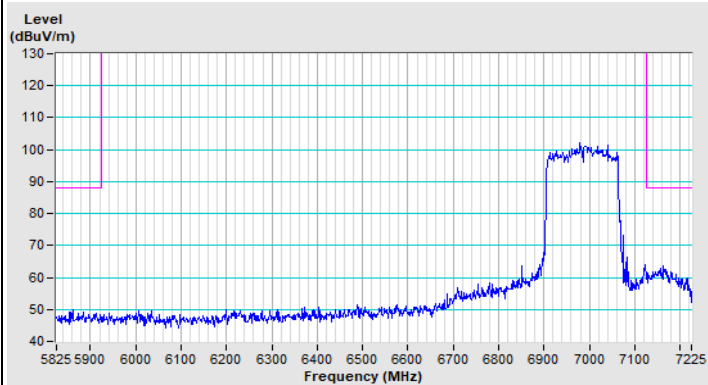


802.11be (EHT160) Channel 207

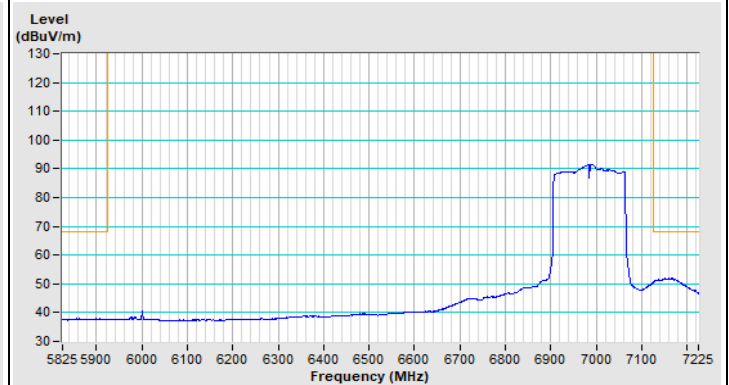
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



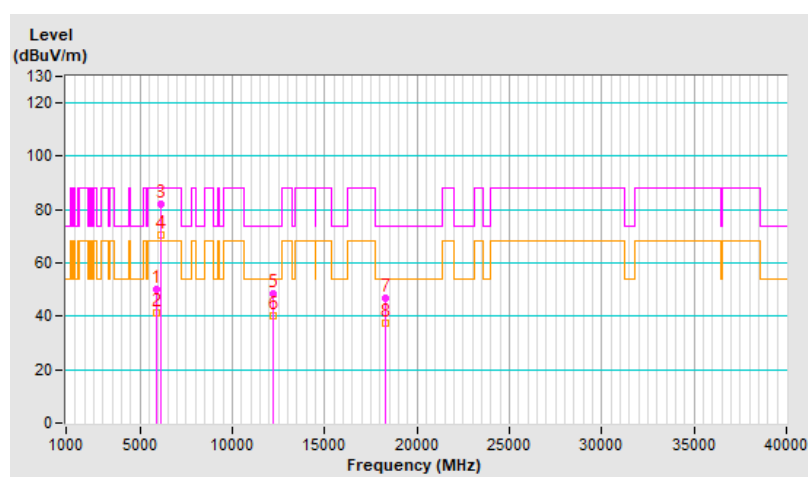
Vertical (Average)

RF Mode	802.11be (EHT320)	Channel	CH 31 : 6105 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 (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	50.3 PK	88.2	-37.9	1.50 H	111	47.6	2.7
2	#5925.00	41.3 AV	68.2	-26.9	1.50 H	111	38.6	2.7
3	*6105.00	82.1 PK			1.50 H	111	78.9	3.2
4	*6105.00	70.3 AV			1.50 H	111	67.1	3.2
5	12210.00	48.7 PK	74.0	-25.3	1.06 H	237	36.6	12.1
6	12210.00	40.4 AV	54.0	-13.6	1.06 H	237	28.3	12.1
7	18315.00	46.8 PK	74.0	-27.2	1.22 H	168	52.7	-5.9
8	18315.00	37.6 AV	54.0	-16.4	1.22 H	168	43.5	-5.9

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.

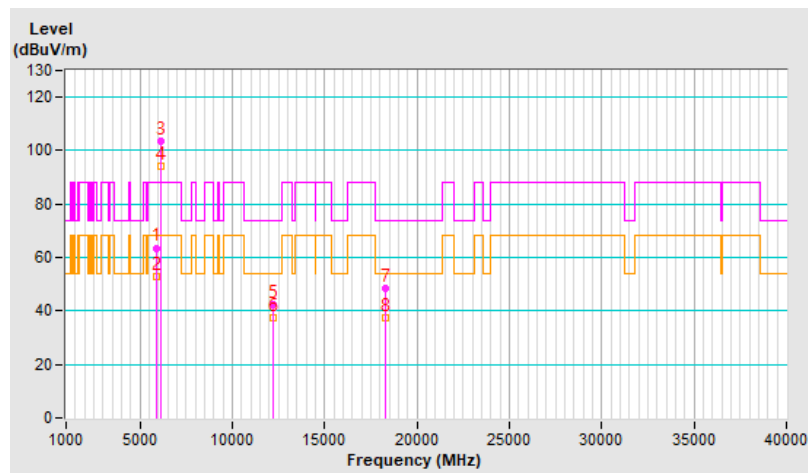


RF Mode	802.11be (EHT320)	Channel	CH 31 : 6105 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	63.6 PK	88.2	-24.6	2.18 V	126	60.9	2.7
2	#5925.00	53.1 AV	68.2	-15.1	2.18 V	126	50.4	2.7
3	*6105.00	103.7 PK			2.18 V	126	100.5	3.2
4	*6105.00	94.3 AV			2.18 V	126	91.1	3.2
5	12210.00	42.2 PK	74.0	-31.8	1.33 V	218	30.1	12.1
6	12210.00	37.3 AV	54.0	-16.7	1.33 V	218	25.2	12.1
7	18315.00	48.5 PK	74.0	-25.5	1.08 V	187	54.4	-5.9
8	18315.00	37.4 AV	54.0	-16.6	1.08 V	187	43.3	-5.9

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.

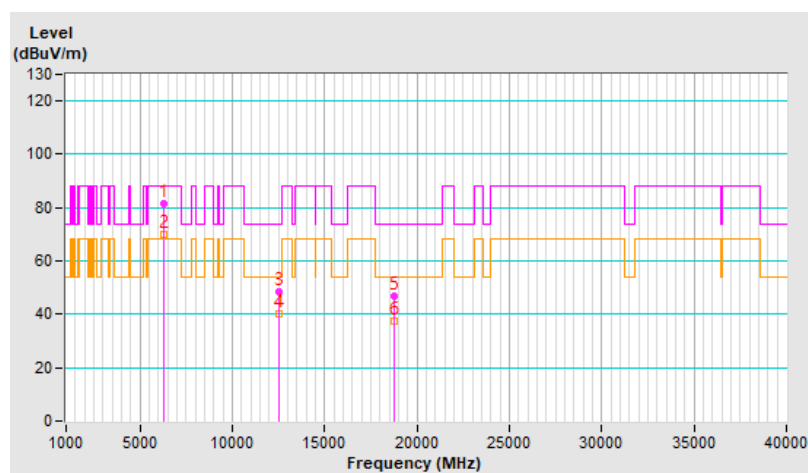


RF Mode	802.11be (EHT320)	Channel	CH 63 : 6265 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6265.00	81.5 PK			1.50 H	110	77.9	3.6
2	*6265.00	69.9 AV			1.50 H	110	66.3	3.6
3	12530.00	48.4 PK	74.0	-25.6	1.10 H	229	36.6	11.8
4	12530.00	40.4 AV	54.0	-13.6	1.10 H	229	28.6	11.8
5	18795.00	46.8 PK	74.0	-27.2	1.28 H	168	52.5	-5.7
6	18795.00	37.5 AV	54.0	-16.5	1.28 H	168	43.2	-5.7

Remarks:

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

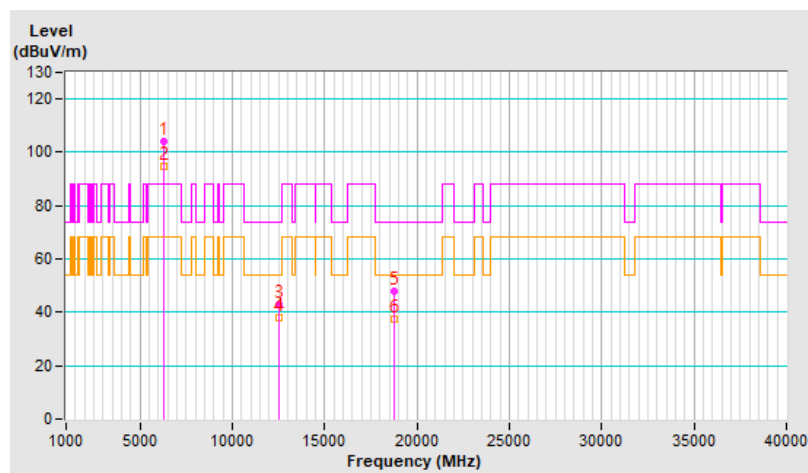


RF Mode	802.11be (EHT320)	Channel	CH 63 : 6265 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6265.00	103.9 PK			2.19 V	142	100.3	3.6
2	*6265.00	94.6 AV			2.19 V	142	91.0	3.6
3	12530.00	43.0 PK	74.0	-31.0	1.26 V	209	31.2	11.8
4	12530.00	37.8 AV	54.0	-16.2	1.26 V	209	26.0	11.8
5	18795.00	47.9 PK	74.0	-26.1	1.07 V	172	53.6	-5.7
6	18795.00	37.3 AV	54.0	-16.7	1.07 V	172	43.0	-5.7

Remarks:

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

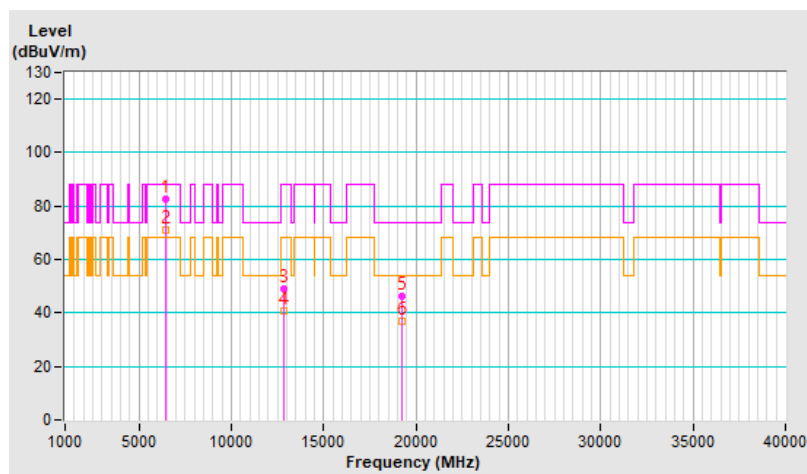


RF Mode	802.11be (EHT320)	Channel	CH 95 : 6425 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6425.00	82.8 PK			1.47 H	114	78.2	4.6
2	*6425.00	70.8 AV			1.47 H	114	66.2	4.6
3	#12850.00	49.0 PK	88.2	-39.2	1.10 H	220	37.0	12.0
4	#12850.00	40.7 AV	68.2	-27.5	1.10 H	220	28.7	12.0
5	19275.00	46.1 PK	74.0	-27.9	1.24 H	176	51.4	-5.3
6	19275.00	36.9 AV	54.0	-17.1	1.24 H	176	42.2	-5.3

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.

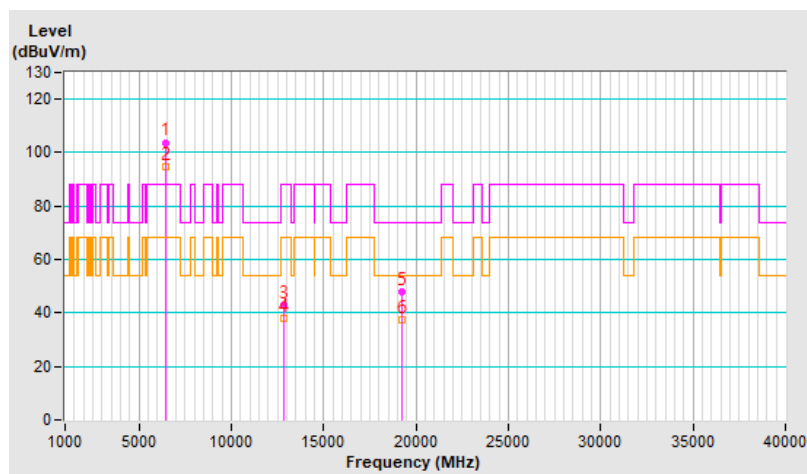


RF Mode	802.11be (EHT320)	Channel	CH 95 : 6425 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6425.00	103.8 PK			2.21 V	119	99.2	4.6
2	*6425.00	94.6 AV			2.21 V	119	90.0	4.6
3	#12850.00	42.7 PK	88.2	-45.5	1.27 V	217	30.7	12.0
4	#12850.00	37.9 AV	68.2	-30.3	1.27 V	217	25.9	12.0
5	19275.00	48.0 PK	74.0	-26.0	1.06 V	183	53.3	-5.3
6	19275.00	37.4 AV	54.0	-16.6	1.06 V	183	42.7	-5.3

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.

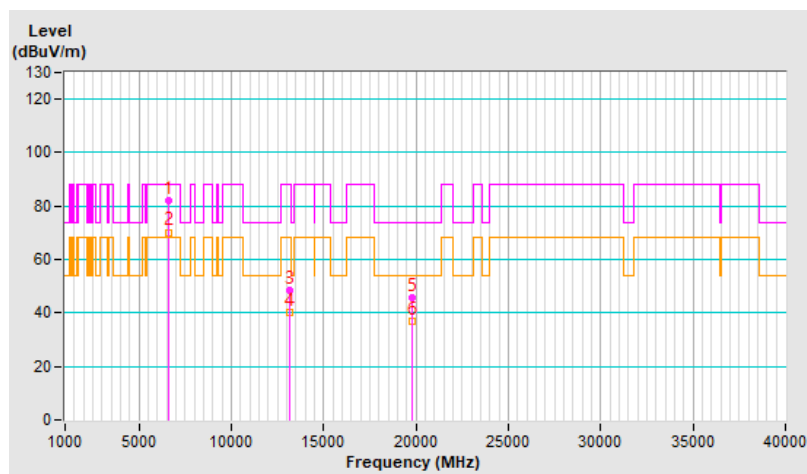


RF Mode	802.11be (EHT320)	Channel	CH 127 : 6585 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6585.00	81.9 PK			1.55 H	122	76.4	5.5
2	*6585.00	70.2 AV			1.55 H	122	64.7	5.5
3	#13170.00	48.3 PK	88.2	-39.9	1.05 H	215	35.9	12.4
4	#13170.00	40.3 AV	68.2	-27.9	1.05 H	215	27.9	12.4
5	19755.00	45.6 PK	74.0	-28.4	1.23 H	193	50.8	-5.2
6	19755.00	36.7 AV	54.0	-17.3	1.23 H	193	41.9	-5.2

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.

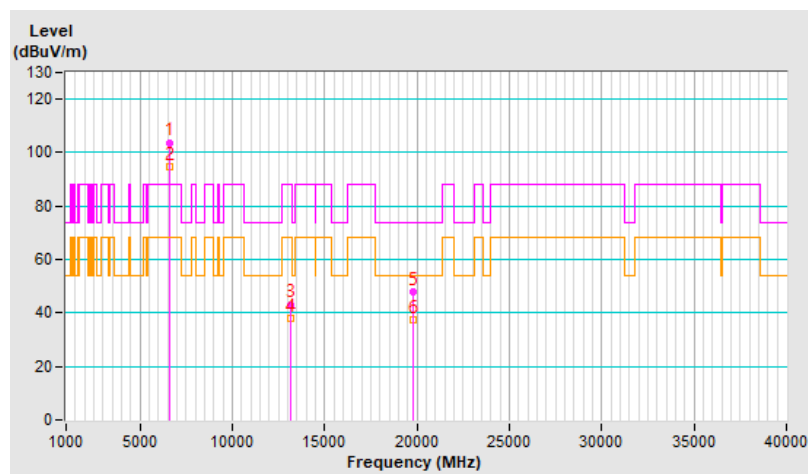


RF Mode	802.11be (EHT320)	Channel	CH 127 : 6585 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6585.00	103.8 PK			2.14 V	137	98.3	5.5
2	*6585.00	94.5 AV			2.14 V	137	89.0	5.5
3	#13170.00	43.2 PK	88.2	-45.0	1.29 V	190	30.8	12.4
4	#13170.00	38.1 AV	68.2	-30.1	1.29 V	190	25.7	12.4
5	19755.00	48.1 PK	74.0	-25.9	1.08 V	186	53.3	-5.2
6	19755.00	37.4 AV	54.0	-16.6	1.08 V	186	42.6	-5.2

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.

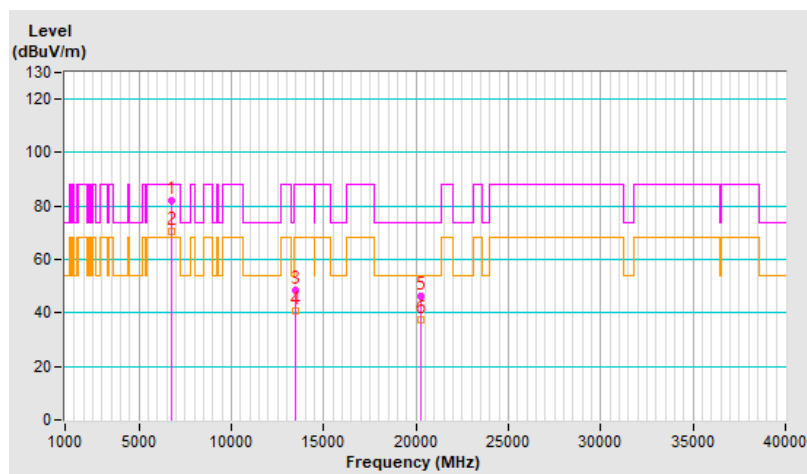


RF Mode	802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6745.00	82.0 PK			1.48 H	105	76.3	5.7
2	*6745.00	70.3 AV			1.48 H	105	64.6	5.7
3	#13490.00	48.6 PK	88.2	-39.6	1.16 H	206	34.7	13.9
4	#13490.00	40.8 AV	68.2	-27.4	1.16 H	206	26.9	13.9
5	20235.00	46.3 PK	74.0	-27.7	1.26 H	186	50.8	-4.5
6	20235.00	37.2 AV	54.0	-16.8	1.26 H	186	41.7	-4.5

Remarks:

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

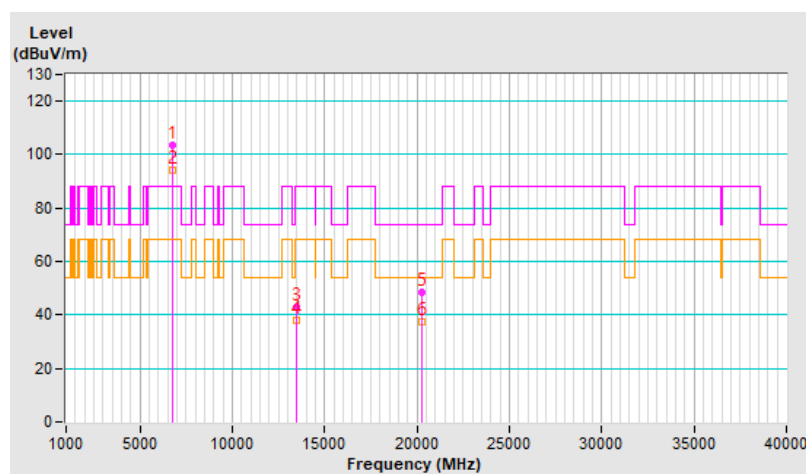


RF Mode	802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6745.00	103.5 PK			2.22 V	129	97.8	5.7
2	*6745.00	94.0 AV			2.22 V	129	88.3	5.7
3	#13490.00	43.0 PK	88.2	-45.2	1.22 V	207	29.1	13.9
4	#13490.00	38.2 AV	68.2	-30.0	1.22 V	207	24.3	13.9
5	20235.00	48.2 PK	74.0	-25.8	1.05 V	194	52.7	-4.5
6	20235.00	37.2 AV	54.0	-16.8	1.05 V	194	41.7	-4.5

Remarks:

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

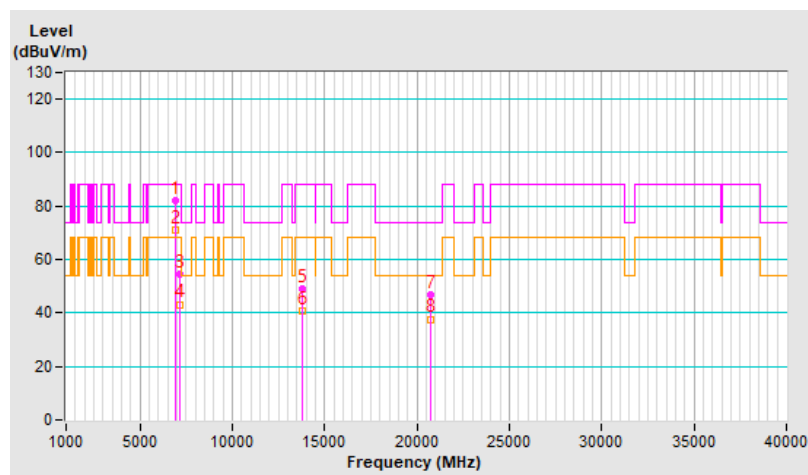


RF Mode	802.11be (EHT320)	Channel	CH 191 : 6905 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6905.00	81.9 PK			1.01 H	105	76.1	5.8
2	*6905.00	70.9 AV			1.01 H	105	65.1	5.8
3	#7125.00	54.5 PK	88.2	-33.7	1.01 H	105	47.4	7.1
4	#7125.00	43.2 AV	68.2	-25.0	1.01 H	105	36.1	7.1
5	#13810.00	48.8 PK	88.2	-39.4	1.05 H	208	35.0	13.8
6	#13810.00	40.6 AV	68.2	-27.6	1.05 H	208	26.8	13.8
7	20715.00	46.8 PK	74.0	-27.2	1.19 H	186	50.8	-4.0
8	20715.00	37.7 AV	54.0	-16.3	1.19 H	186	41.7	-4.0

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.

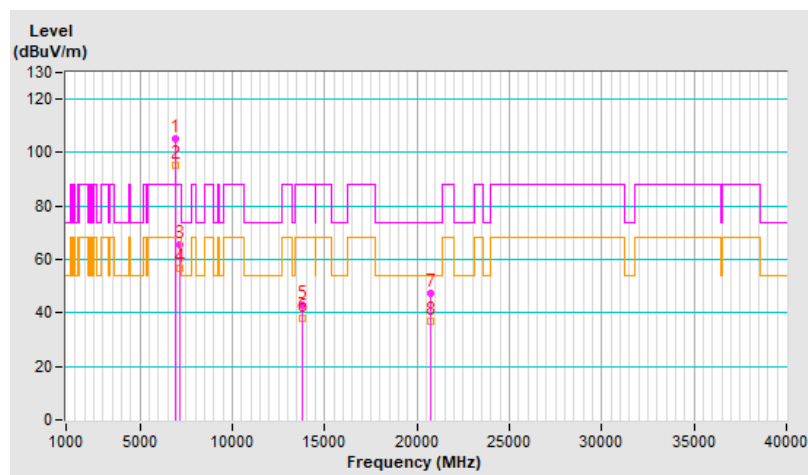


RF Mode	802.11be (EHT320)	Channel	CH 191 : 6905 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6905.00	105.3 PK			2.15 V	111	99.5	5.8
2	*6905.00	95.3 AV			2.15 V	111	89.5	5.8
3	#7125.00	65.5 PK	88.2	-22.7	2.15 V	111	58.4	7.1
4	#7125.00	56.5 AV	68.2	-11.7	2.15 V	111	49.4	7.1
5	#13810.00	42.8 PK	88.2	-45.4	1.27 V	211	29.0	13.8
6	#13810.00	38.1 AV	68.2	-30.1	1.27 V	211	24.3	13.8
7	20715.00	47.4 PK	74.0	-26.6	1.15 V	192	51.4	-4.0
8	20715.00	36.7 AV	54.0	-17.3	1.15 V	192	40.7	-4.0

Remarks:

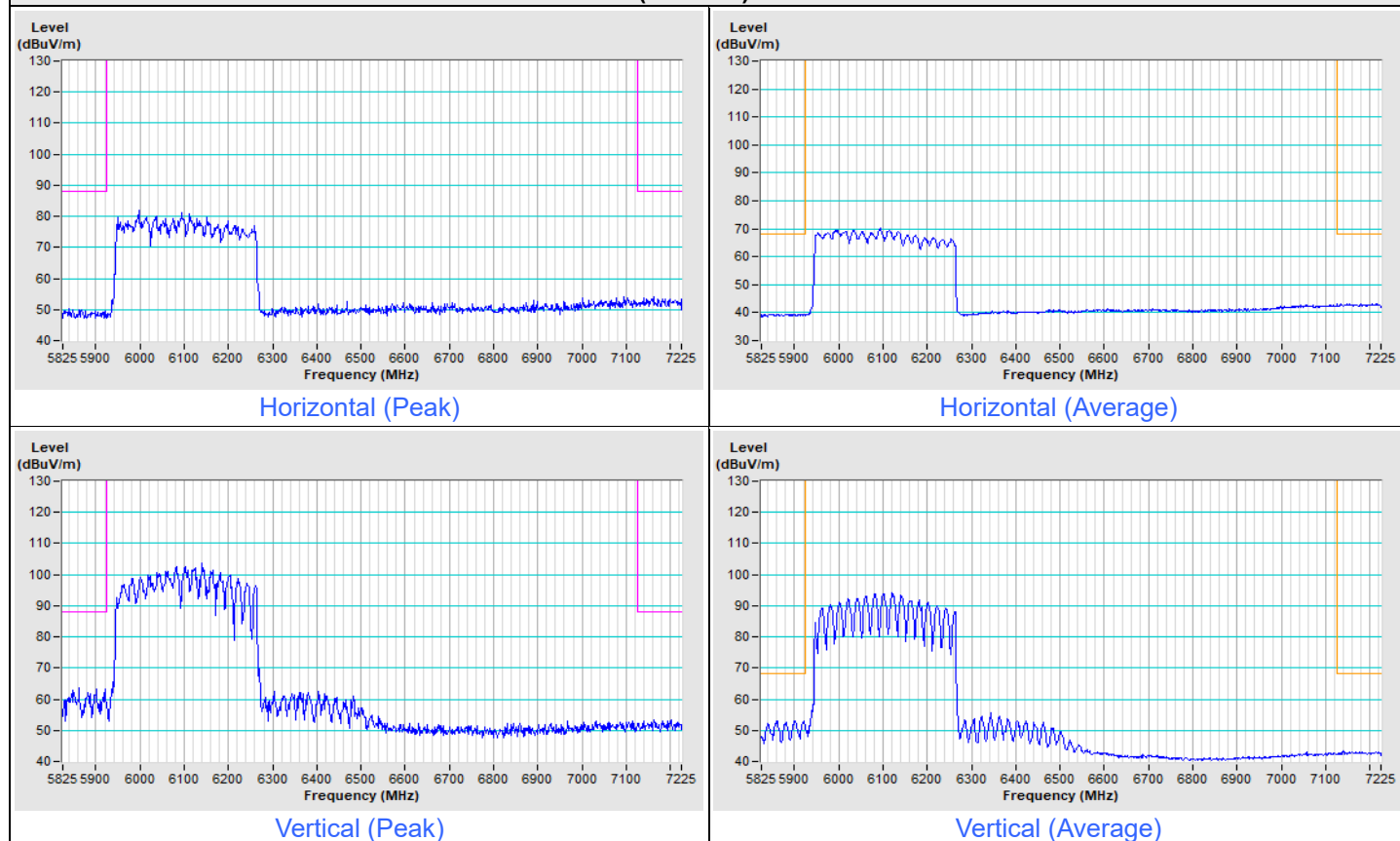
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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



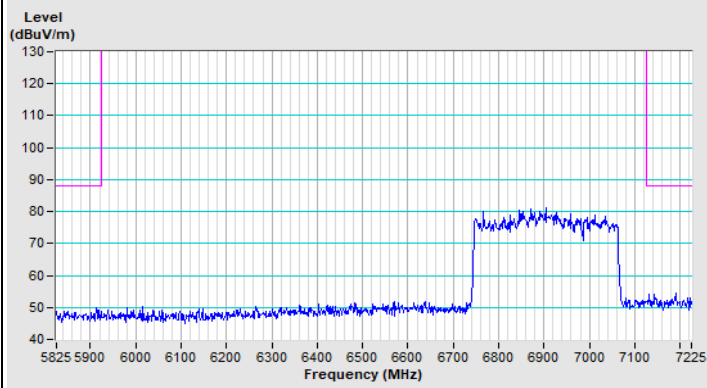
Plot of Band Edge

Frequency Range	5.825 GHz ~ 7.225 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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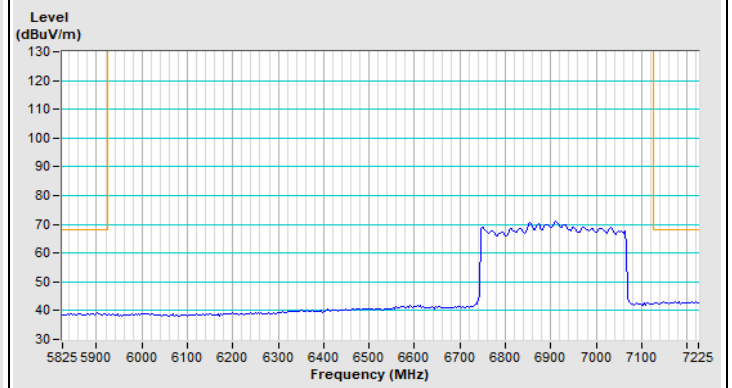
802.11be (EHT320) Channel 31



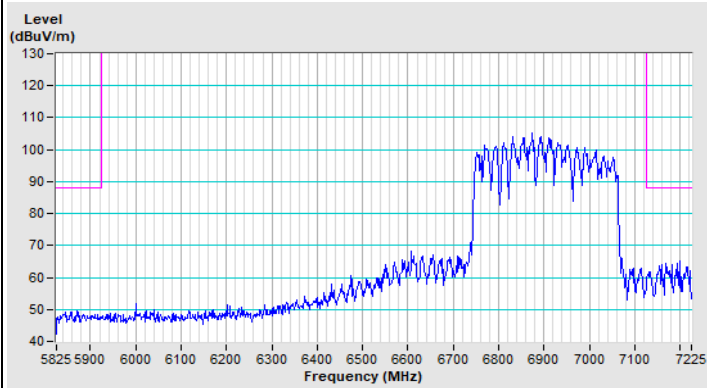
802.11be (EHT320) Channel 191



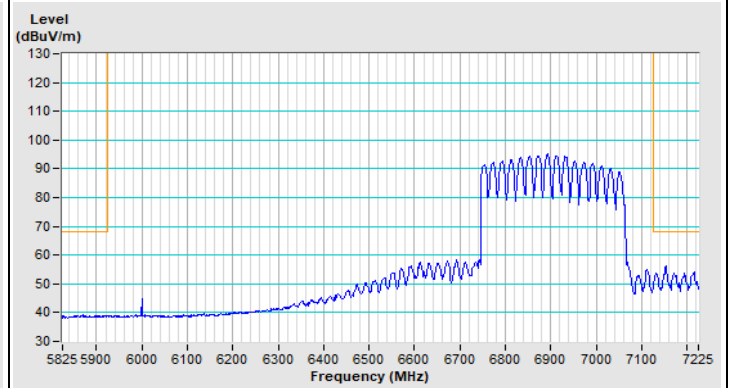
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

Mode D

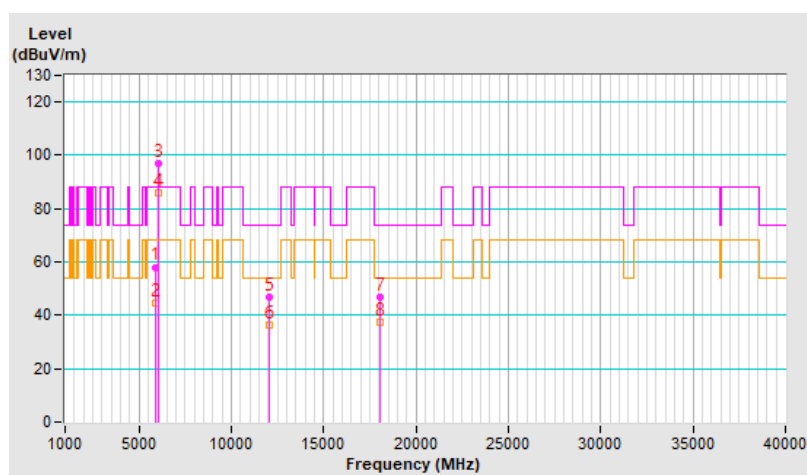
1Tx

RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	58.1 PK	88.2	-30.1	1.30 H	22	55.5	2.6
2	#5925.00	44.7 AV	68.2	-23.5	1.30 H	22	42.1	2.6
3	*6025.00	96.8 PK			1.01 H	341	94.3	2.5
4	*6025.00	85.7 AV			1.01 H	341	83.2	2.5
5	12050.00	46.8 PK	74.0	-27.2	2.60 H	256	34.7	12.1
6	12050.00	36.1 AV	54.0	-17.9	2.60 H	256	24.0	12.1
7	18075.00	47.0 PK	74.0	-27.0	1.95 H	257	47.0	0.0
8	18075.00	37.5 AV	54.0	-16.5	1.95 H	257	37.5	0.0

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.

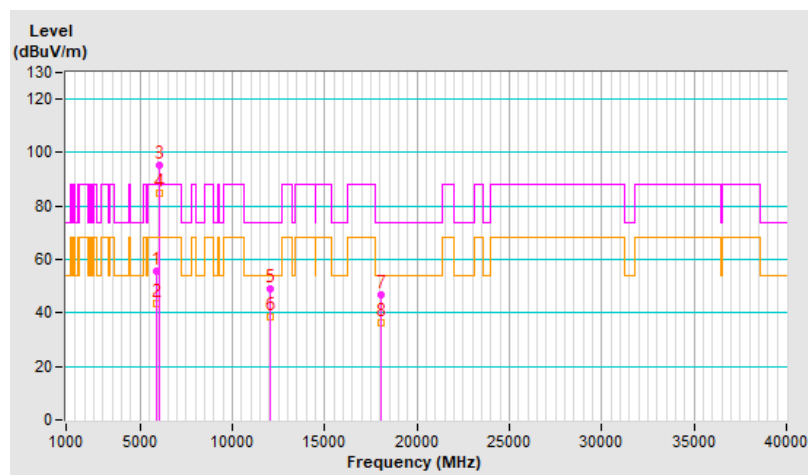


RF Mode	802.11be (EHT160)	Channel	CH 15 : 6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	55.8 PK	88.2	-32.4	1.39 V	115	53.2	2.6
2	#5925.00	43.3 AV	68.2	-24.9	1.39 V	115	40.7	2.6
3	*6025.00	95.2 PK			1.39 V	115	92.7	2.5
4	*6025.00	84.8 AV			1.39 V	115	82.3	2.5
5	12050.00	48.8 PK	74.0	-25.2	3.05 V	241	36.7	12.1
6	12050.00	38.3 AV	54.0	-15.7	3.05 V	241	26.2	12.1
7	18075.00	46.8 PK	74.0	-27.2	2.02 V	118	46.8	0.0
8	18075.00	36.3 AV	54.0	-17.7	2.02 V	118	36.3	0.0

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.

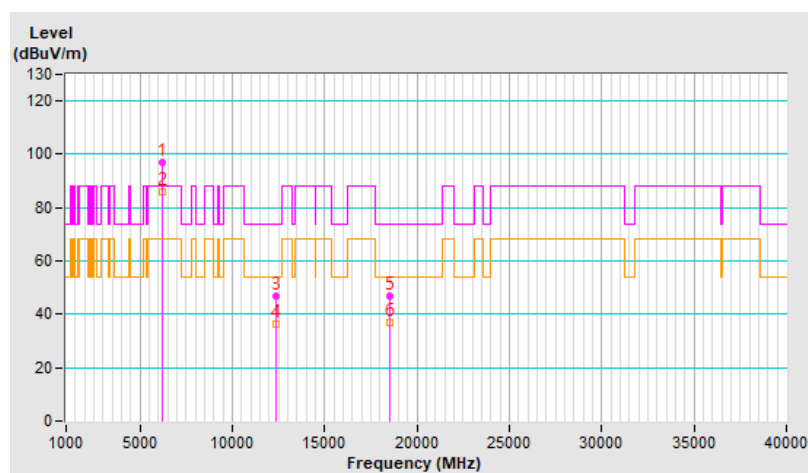


RF Mode	802.11be (EHT160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6185.00	96.7 PK			1.02 H	350	93.6	3.1
2	*6185.00	85.9 AV			1.02 H	350	82.8	3.1
3	12370.00	47.0 PK	74.0	-27.0	2.60 H	255	35.7	11.3
4	12370.00	36.5 AV	54.0	-17.5	2.60 H	255	25.2	11.3
5	18555.00	46.8 PK	74.0	-27.2	1.99 H	246	46.8	0.0
6	18555.00	37.0 AV	54.0	-17.0	1.99 H	246	37.0	0.0

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.

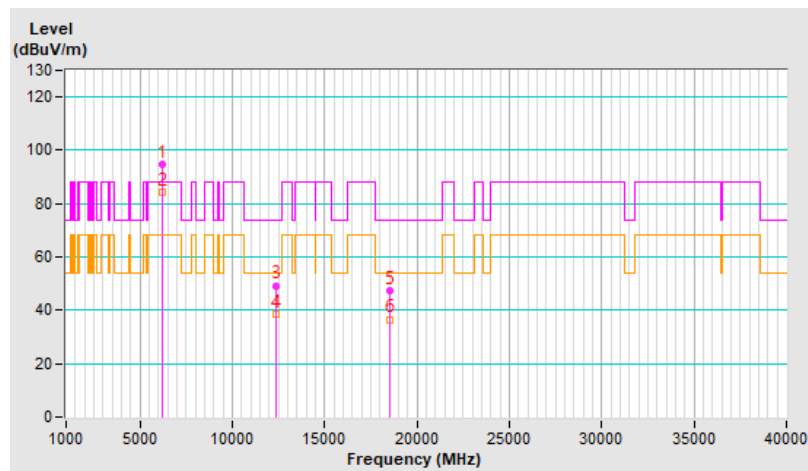


RF Mode	802.11be (EHT160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6185.00	94.8 PK			1.36 V	117	91.7	3.1
2	*6185.00	84.5 AV			1.36 V	117	81.4	3.1
3	12370.00	49.3 PK	74.0	-24.7	3.08 V	239	38.0	11.3
4	12370.00	38.7 AV	54.0	-15.3	3.08 V	239	27.4	11.3
5	18555.00	47.2 PK	74.0	-26.8	1.97 V	113	47.2	0.0
6	18555.00	36.6 AV	54.0	-17.4	1.97 V	113	36.6	0.0

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.

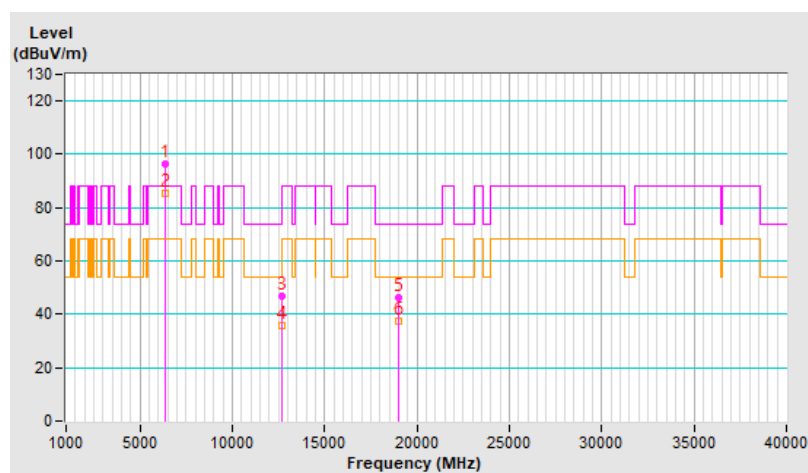


RF Mode	802.11be (EHT160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6345.00	96.2 PK			1.00 H	350	92.6	3.6
2	*6345.00	85.3 AV			1.00 H	350	81.7	3.6
3	12690.00	46.8 PK	74.0	-27.2	2.64 H	265	34.8	12.0
4	12690.00	36.0 AV	54.0	-18.0	2.64 H	265	24.0	12.0
5	19035.00	46.5 PK	74.0	-27.5	1.98 H	255	46.5	0.0
6	19035.00	37.2 AV	54.0	-16.8	1.98 H	255	37.2	0.0

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.

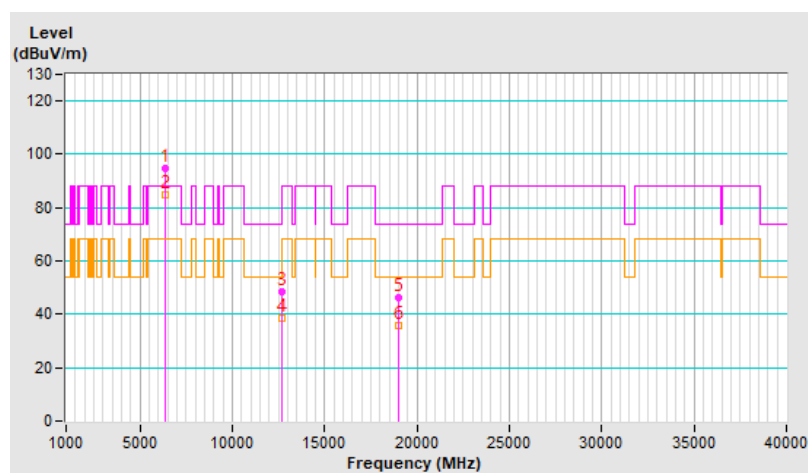


RF Mode	802.11be (EHT160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6345.00	94.7 PK			1.11 V	103	91.1	3.6
2	*6345.00	84.6 AV			1.11 V	103	81.0	3.6
3	12690.00	48.7 PK	74.0	-25.3	3.04 V	247	36.7	12.0
4	12690.00	38.5 AV	54.0	-15.5	3.04 V	247	26.5	12.0
5	19035.00	46.3 PK	74.0	-27.7	2.00 V	130	46.3	0.0
6	19035.00	35.9 AV	54.0	-18.1	2.00 V	130	35.9	0.0

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.

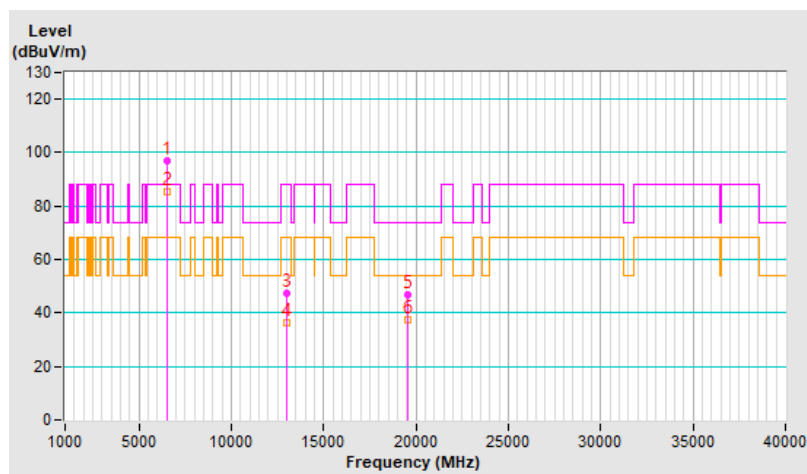


RF Mode	802.11be (EHT160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6505.00	96.7 PK			1.03 H	349	92.2	4.5
2	*6505.00	85.5 AV			1.03 H	349	81.0	4.5
3	#13010.00	47.3 PK	88.2	-40.9	2.65 H	271	35.4	11.9
4	#13010.00	36.5 AV	68.2	-31.7	2.65 H	271	24.6	11.9
5	19515.00	47.0 PK	74.0	-27.0	1.96 H	253	47.0	0.0
6	19515.00	37.5 AV	54.0	-16.5	1.96 H	253	37.5	0.0

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.

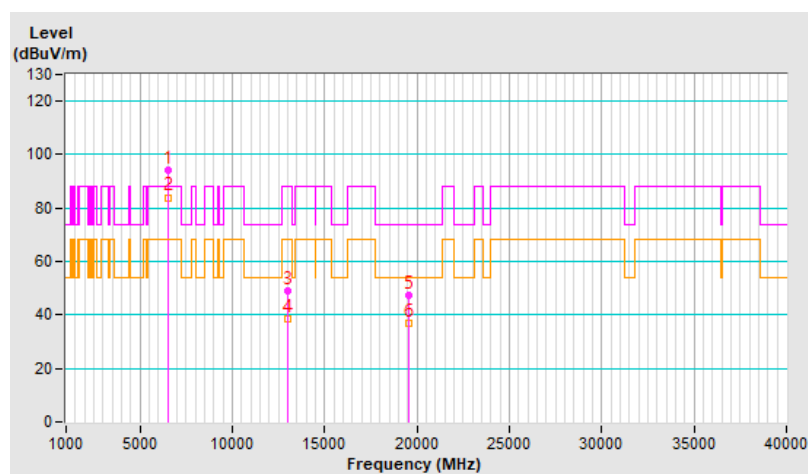


RF Mode	802.11be (EHT160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6505.00	94.1 PK			1.13 V	89	89.6	4.5
2	*6505.00	84.0 AV			1.13 V	89	79.5	4.5
3	#13010.00	49.1 PK	88.2	-39.1	3.02 V	237	37.2	11.9
4	#13010.00	38.7 AV	68.2	-29.5	3.02 V	237	26.8	11.9
5	19515.00	47.1 PK	74.0	-26.9	2.02 V	103	47.1	0.0
6	19515.00	36.7 AV	54.0	-17.3	2.02 V	103	36.7	0.0

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.

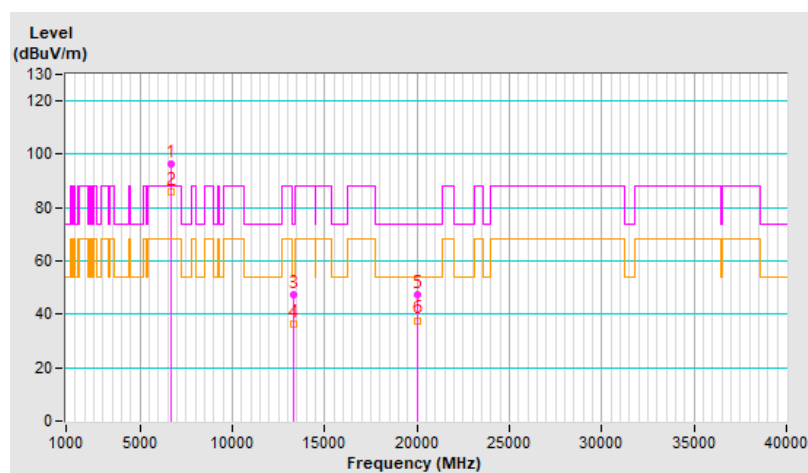


RF Mode	802.11be (EHT160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6665.00	96.6 PK			1.05 H	355	91.4	5.2
2	*6665.00	85.7 AV			1.05 H	355	80.5	5.2
3	13330.00	47.6 PK	74.0	-26.4	2.65 H	253	34.5	13.1
4	13330.00	36.5 AV	54.0	-17.5	2.65 H	253	23.4	13.1
5	19995.00	47.3 PK	74.0	-26.7	1.94 H	264	47.3	0.0
6	19995.00	37.7 AV	54.0	-16.3	1.94 H	264	37.7	0.0

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.

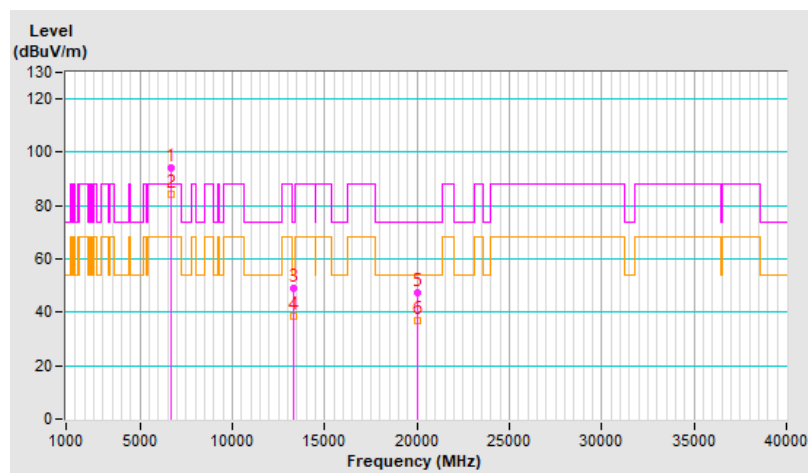


RF Mode	802.11be (EHT160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6665.00	94.4 PK			1.18 V	119	89.2	5.2
2	*6665.00	84.2 AV			1.18 V	119	79.0	5.2
3	13330.00	48.9 PK	74.0	-25.1	3.11 V	218	35.8	13.1
4	13330.00	38.5 AV	54.0	-15.5	3.11 V	218	25.4	13.1
5	19995.00	47.6 PK	74.0	-26.4	2.01 V	104	47.6	0.0
6	19995.00	36.9 AV	54.0	-17.1	2.01 V	104	36.9	0.0

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.

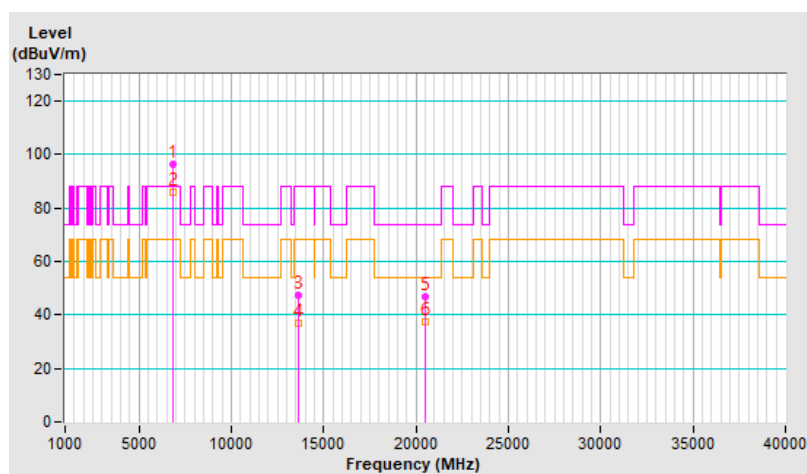


RF Mode	802.11be (EHT160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6825.00	96.3 PK			1.05 H	342	91.2	5.1
2	*6825.00	85.8 AV			1.05 H	342	80.7	5.1
3	#13650.00	47.6 PK	88.2	-40.6	2.61 H	269	34.2	13.4
4	#13650.00	36.8 AV	68.2	-31.4	2.61 H	269	23.4	13.4
5	20475.00	47.0 PK	74.0	-27.0	1.94 H	249	47.0	0.0
6	20475.00	37.3 AV	54.0	-16.7	1.94 H	249	37.3	0.0

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.

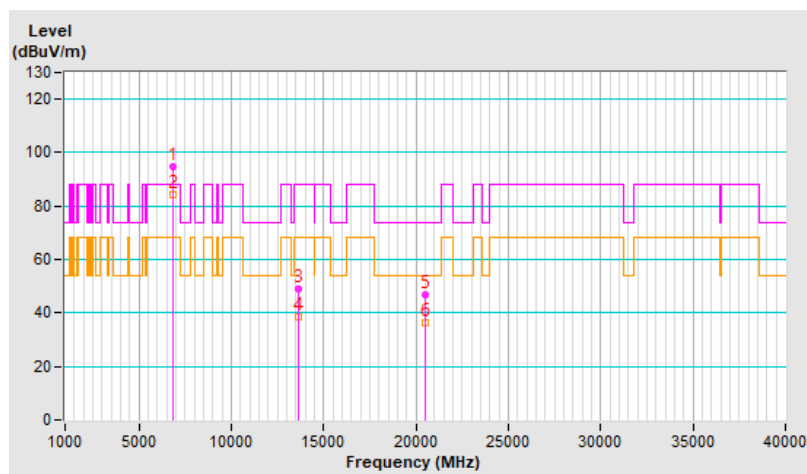


RF Mode	802.11be (EHT160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6825.00	94.6 PK			1.18 V	116	89.5	5.1
2	*6825.00	84.2 AV			1.18 V	116	79.1	5.1
3	#13650.00	48.8 PK	88.2	-39.4	3.08 V	249	35.4	13.4
4	#13650.00	38.5 AV	68.2	-29.7	3.08 V	249	25.1	13.4
5	20475.00	46.7 PK	74.0	-27.3	1.97 V	99	46.7	0.0
6	20475.00	36.3 AV	54.0	-17.7	1.97 V	99	36.3	0.0

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.

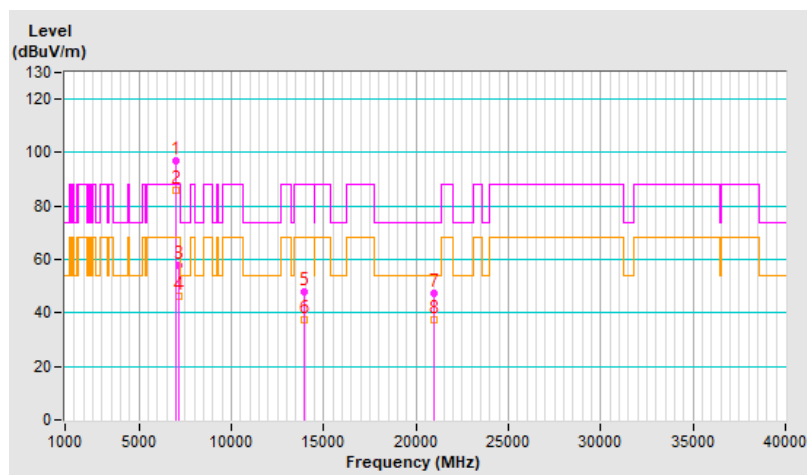


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6985.00	96.8 PK			1.06 H	343	90.6	6.2
2	*6985.00	85.8 AV			1.06 H	343	79.6	6.2
3	#7125.00	57.9 PK	88.2	-30.3	1.06 H	343	51.1	6.8
4	#7125.00	46.4 AV	68.2	-21.8	1.06 H	343	39.6	6.8
5	#13970.00	48.0 PK	88.2	-40.2	2.51 H	289	33.4	14.6
6	#13970.00	37.3 AV	68.2	-30.9	2.51 H	289	22.7	14.6
7	20955.00	47.2 PK	74.0	-26.8	1.99 H	273	47.2	0.0
8	20955.00	37.3 AV	54.0	-16.7	1.99 H	273	37.3	0.0

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.

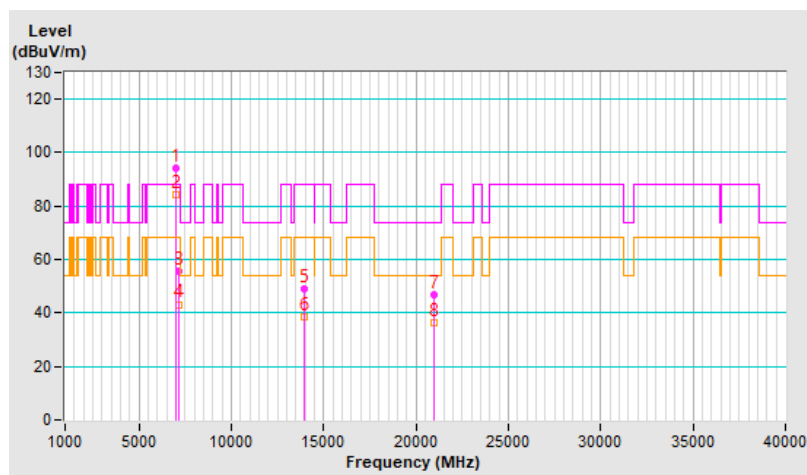


RF Mode	802.11be (EHT160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6985.00	94.2 PK			1.12 V	80	88.0	6.2
2	*6985.00	84.1 AV			1.12 V	80	77.9	6.2
3	#7125.00	55.4 PK	88.2	-32.8	1.12 V	80	48.6	6.8
4	#7125.00	43.2 AV	68.2	-25.0	1.12 V	80	36.4	6.8
5	#13970.00	49.0 PK	88.2	-39.2	3.19 V	250	34.4	14.6
6	#13970.00	38.5 AV	68.2	-29.7	3.19 V	250	23.9	14.6
7	20955.00	46.8 PK	74.0	-27.2	2.01 V	122	46.8	0.0
8	20955.00	36.2 AV	54.0	-17.8	2.01 V	122	36.2	0.0

Remarks:

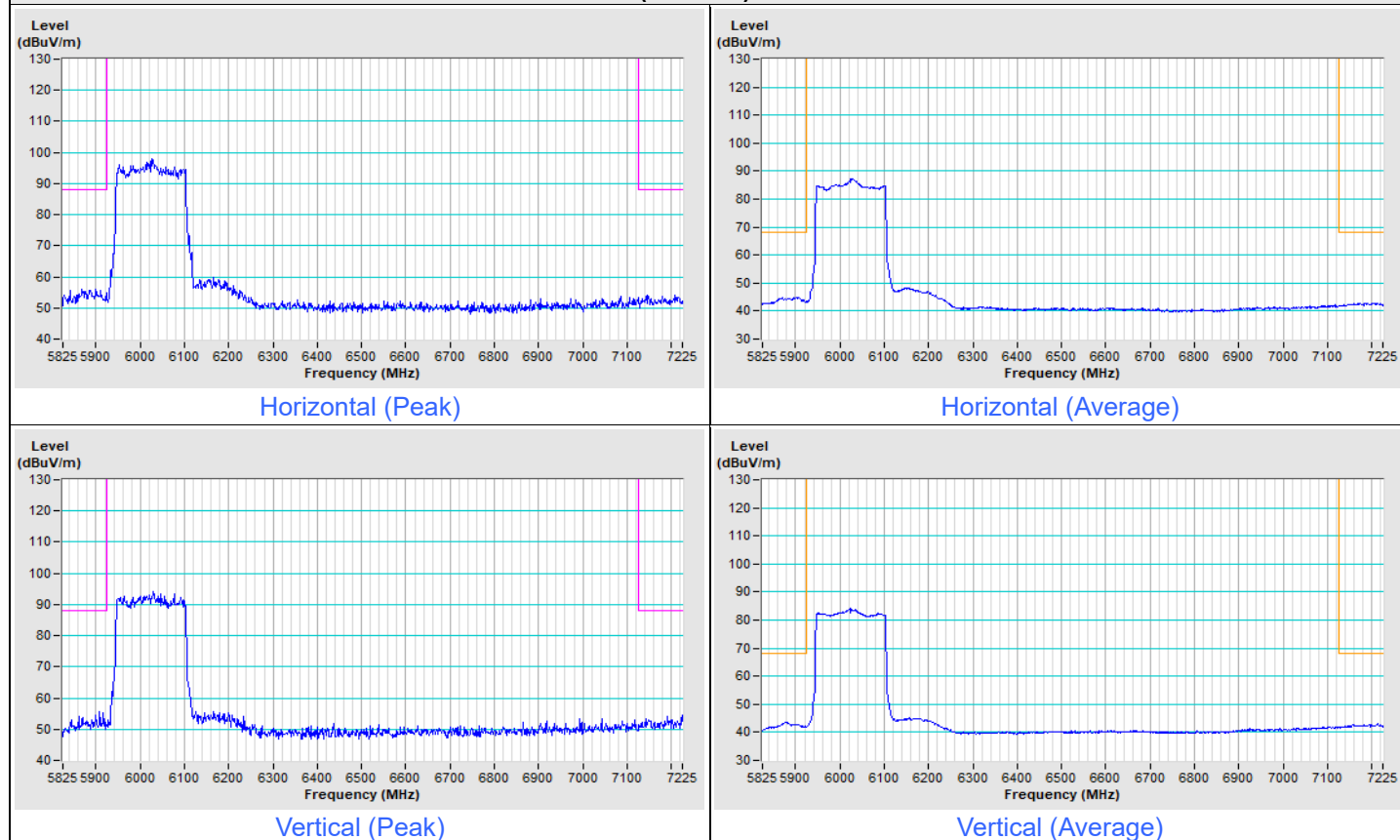
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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



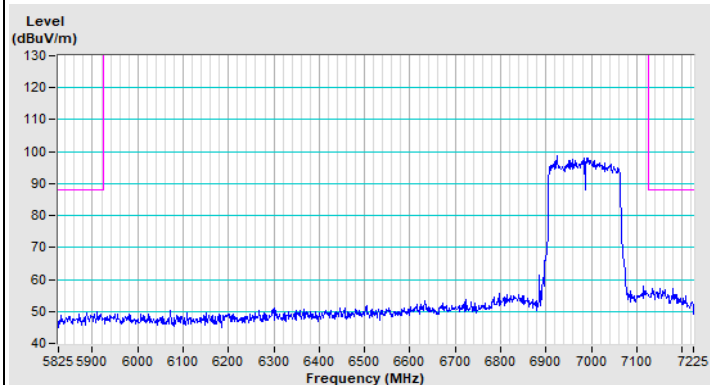
Plot of Band Edge

Frequency Range	5.825 GHz ~ 7.225 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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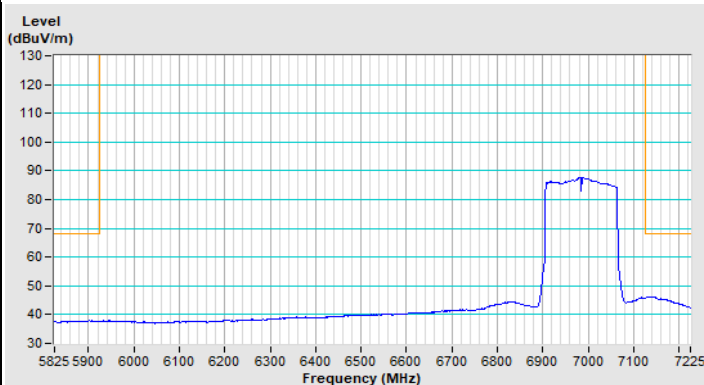
802.11be (EHT160) Channel 15



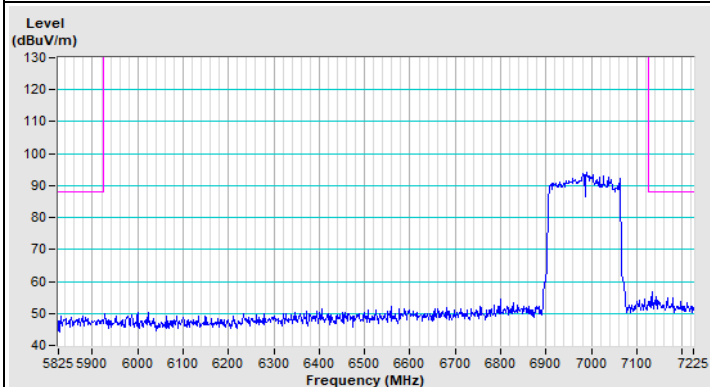
802.11be (EHT160) Channel 207



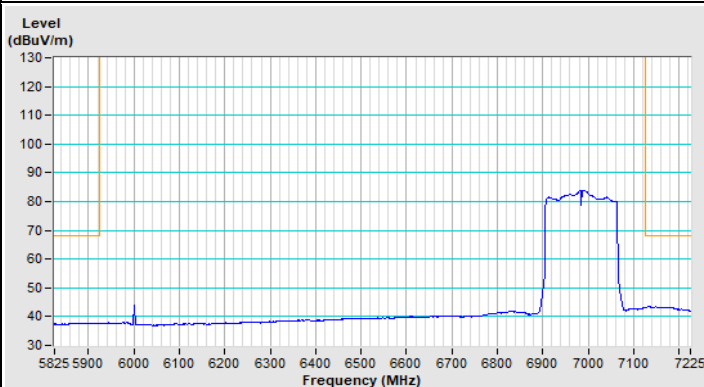
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



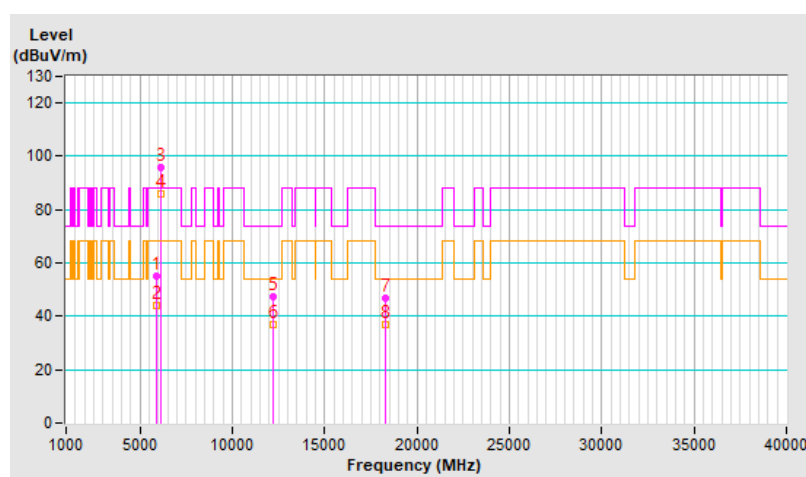
Vertical (Average)

RF Mode	802.11be (EHT320)	Channel	CH 31 : 6105 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	55.1 PK	88.2	-33.1	1.16 H	324	52.5	2.6
2	#5925.00	44.2 AV	68.2	-24.0	1.16 H	324	41.6	2.6
3	*6105.00	95.6 PK			1.16 H	324	92.8	2.8
4	*6105.00	85.7 AV			1.16 H	324	82.9	2.8
5	12210.00	47.6 PK	74.0	-26.4	2.57 H	284	35.5	12.1
6	12210.00	36.9 AV	54.0	-17.1	2.57 H	284	24.8	12.1
7	18315.00	46.7 PK	74.0	-27.3	1.98 H	262	46.7	0.0
8	18315.00	37.1 AV	54.0	-16.9	1.98 H	262	37.1	0.0

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.

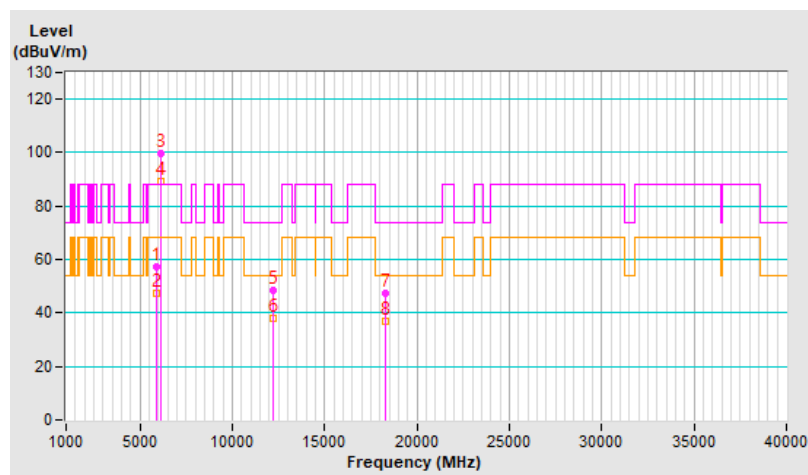


RF Mode	802.11be (EHT320)	Channel	CH 31 : 6105 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	57.3 PK	88.2	-30.9	2.83 V	75	54.7	2.6
2	#5925.00	47.2 AV	68.2	-21.0	2.83 V	75	44.6	2.6
3	*6105.00	99.8 PK			2.83 V	75	97.0	2.8
4	*6105.00	89.4 AV			2.83 V	75	86.6	2.8
5	12210.00	48.5 PK	74.0	-25.5	3.14 V	248	36.4	12.1
6	12210.00	38.2 AV	54.0	-15.8	3.14 V	248	26.1	12.1
7	18315.00	47.2 PK	74.0	-26.8	2.02 V	114	47.2	0.0
8	18315.00	36.7 AV	54.0	-17.3	2.02 V	114	36.7	0.0

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.

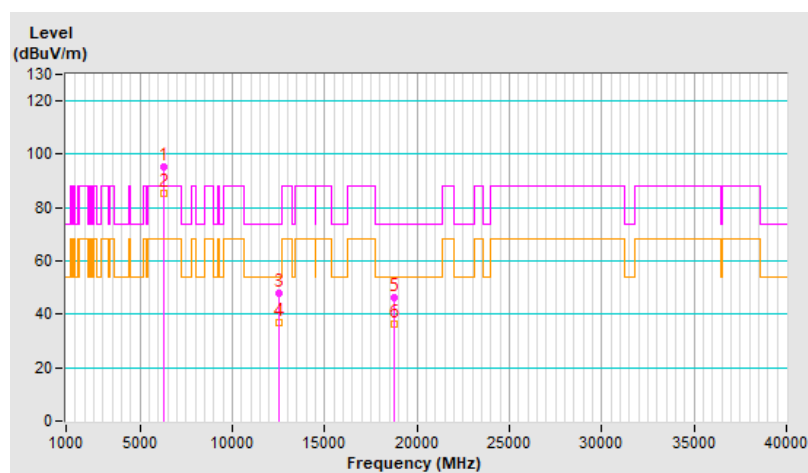


RF Mode	802.11be (EHT320)	Channel	CH 63 : 6265 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6265.00	95.2 PK			1.10 H	316	91.9	3.3
2	*6265.00	85.5 AV			1.10 H	316	82.2	3.3
3	12530.00	47.8 PK	74.0	-26.2	2.56 H	276	35.9	11.9
4	12530.00	37.1 AV	54.0	-16.9	2.56 H	276	25.2	11.9
5	18795.00	46.1 PK	74.0	-27.9	2.03 H	272	46.1	0.0
6	18795.00	36.2 AV	54.0	-17.8	2.03 H	272	36.2	0.0

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.

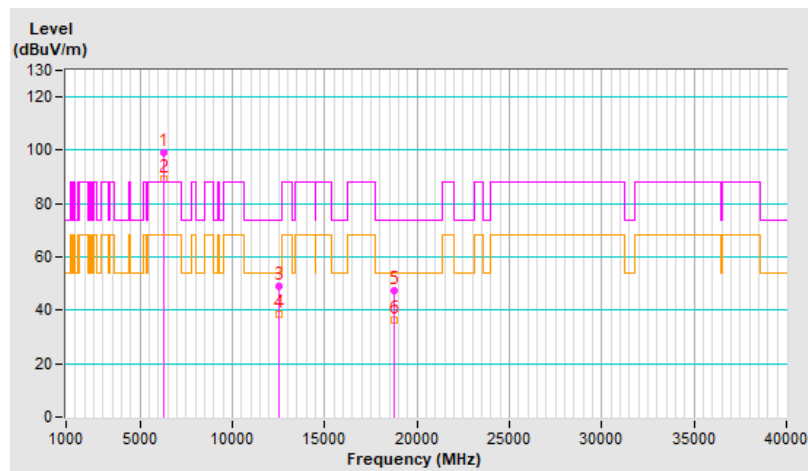


RF Mode	802.11be (EHT320)	Channel	CH 63 : 6265 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6265.00	99.3 PK			3.07 V	60	96.0	3.3
2	*6265.00	89.1 AV			3.07 V	60	85.8	3.3
3	12530.00	48.8 PK	74.0	-25.2	3.14 V	236	36.9	11.9
4	12530.00	38.6 AV	54.0	-15.4	3.14 V	236	26.7	11.9
5	18795.00	47.1 PK	74.0	-26.9	2.02 V	113	47.1	0.0
6	18795.00	36.5 AV	54.0	-17.5	2.02 V	113	36.5	0.0

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.

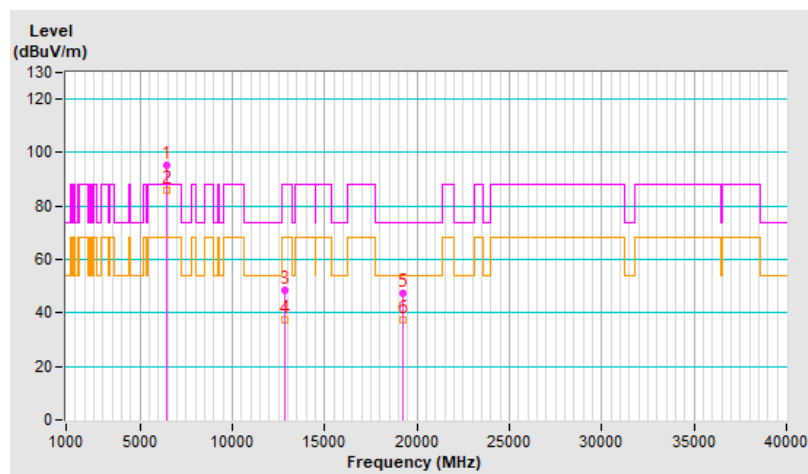


RF Mode	802.11be (EHT320)	Channel	CH 95 : 6425 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6425.00	95.3 PK			1.21 H	327	91.3	4.0
2	*6425.00	85.7 AV			1.21 H	327	81.7	4.0
3	#12850.00	48.3 PK	88.2	-39.9	2.53 H	264	36.3	12.0
4	#12850.00	37.3 AV	68.2	-30.9	2.53 H	264	25.3	12.0
5	19275.00	47.6 PK	74.0	-26.4	1.86 H	234	47.6	0.0
6	19275.00	37.5 AV	54.0	-16.5	1.86 H	234	37.5	0.0

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.

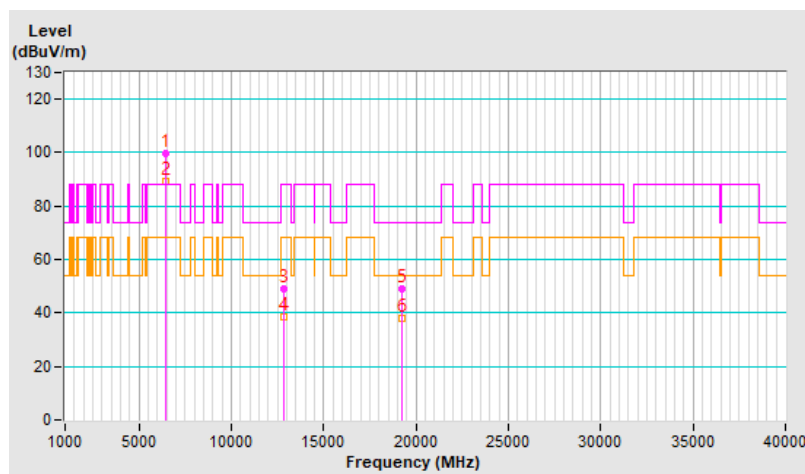


RF Mode	802.11be (EHT320)	Channel	CH 95 : 6425 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6425.00	99.5 PK			3.13 V	62	95.5	4.0
2	*6425.00	89.3 AV			3.13 V	62	85.3	4.0
3	#12850.00	48.9 PK	88.2	-39.3	3.07 V	261	36.9	12.0
4	#12850.00	38.4 AV	68.2	-29.8	3.07 V	261	26.4	12.0
5	19275.00	48.8 PK	74.0	-25.2	2.02 V	118	48.8	0.0
6	19275.00	37.9 AV	54.0	-16.1	2.02 V	118	37.9	0.0

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.

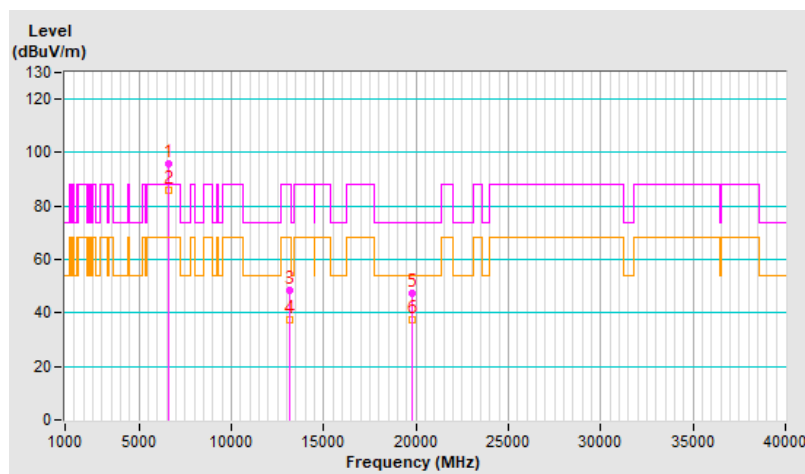


RF Mode	802.11be (EHT320)	Channel	CH 127 : 6585 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6585.00	95.6 PK			1.22 H	320	90.5	5.1
2	*6585.00	85.9 AV			1.22 H	320	80.8	5.1
3	#13170.00	48.2 PK	88.2	-40.0	2.49 H	289	36.1	12.1
4	#13170.00	37.4 AV	68.2	-30.8	2.49 H	289	25.3	12.1
5	19755.00	47.3 PK	74.0	-26.7	1.91 H	250	47.3	0.0
6	19755.00	37.5 AV	54.0	-16.5	1.91 H	250	37.5	0.0

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.

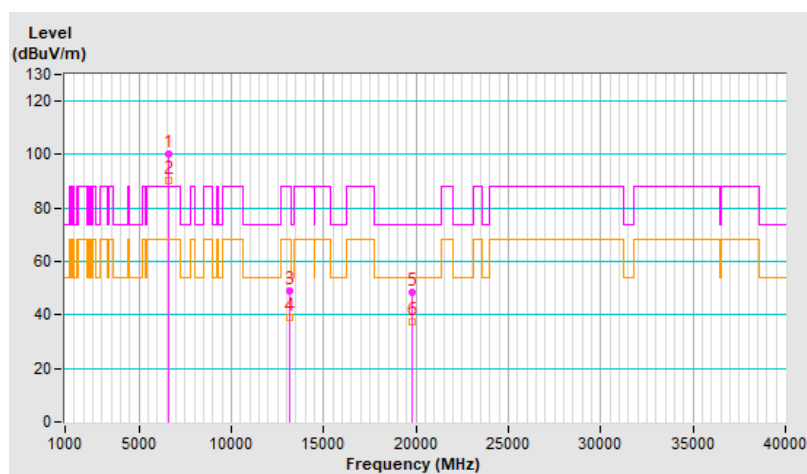


RF Mode	802.11be (EHT320)	Channel	CH 127 : 6585 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6585.00	100.3 PK			3.09 V	58	95.2	5.1
2	*6585.00	90.1 AV			3.09 V	58	85.0	5.1
3	#13170.00	49.1 PK	88.2	-39.1	3.19 V	234	37.0	12.1
4	#13170.00	39.0 AV	68.2	-29.2	3.19 V	234	26.9	12.1
5	19755.00	48.4 PK	74.0	-25.6	1.97 V	132	48.4	0.0
6	19755.00	37.6 AV	54.0	-16.4	1.97 V	132	37.6	0.0

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.

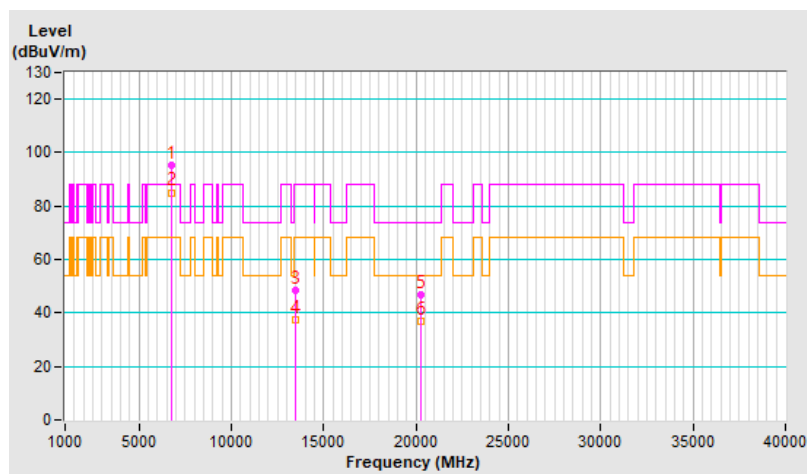


RF Mode	802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6745.00	95.5 PK			1.06 H	316	90.6	4.9
2	*6745.00	85.1 AV			1.06 H	316	80.2	4.9
3	#13490.00	48.5 PK	88.2	-39.7	2.58 H	257	35.1	13.4
4	#13490.00	37.5 AV	68.2	-30.7	2.58 H	257	24.1	13.4
5	20235.00	46.9 PK	74.0	-27.1	1.97 H	259	46.9	0.0
6	20235.00	37.1 AV	54.0	-16.9	1.97 H	259	37.1	0.0

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.

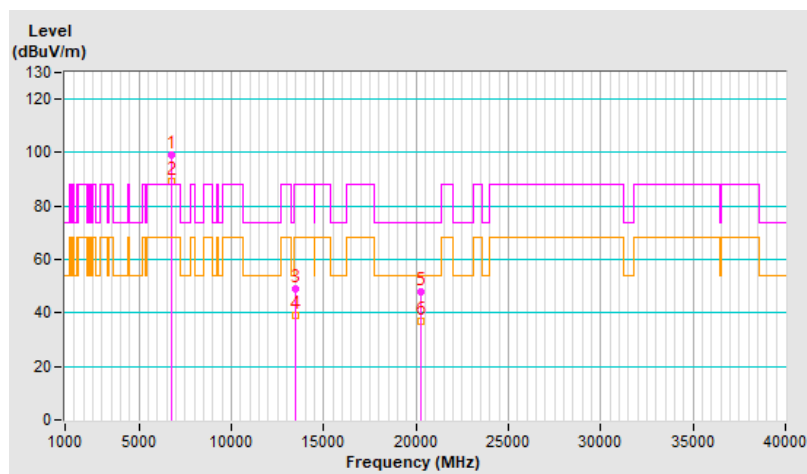


RF Mode	802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6745.00	99.1 PK			3.16 V	62	94.2	4.9
2	*6745.00	89.2 AV			3.16 V	62	84.3	4.9
3	#13490.00	49.2 PK	88.2	-39.0	3.20 V	225	35.8	13.4
4	#13490.00	39.2 AV	68.2	-29.0	3.20 V	225	25.8	13.4
5	20235.00	47.7 PK	74.0	-26.3	1.98 V	130	47.7	0.0
6	20235.00	37.1 AV	54.0	-16.9	1.98 V	130	37.1	0.0

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.

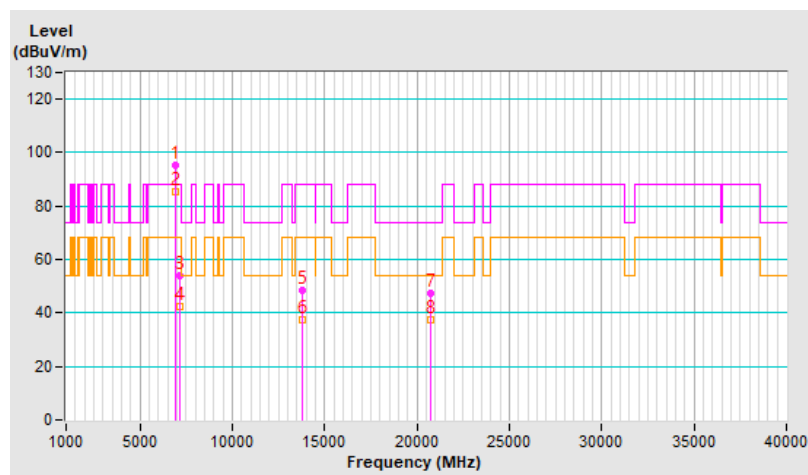


RF Mode	802.11be (EHT320)	Channel	CH 191 : 6905 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6905.00	95.5 PK			1.03 H	327	89.9	5.6
2	*6905.00	85.3 AV			1.03 H	327	79.7	5.6
3	#7125.00	53.9 PK	88.2	-34.3	1.03 H	327	47.1	6.8
4	#7125.00	42.3 AV	68.2	-25.9	1.03 H	327	35.5	6.8
5	#13810.00	48.5 PK	88.2	-39.7	2.64 H	246	34.9	13.6
6	#13810.00	37.5 AV	68.2	-30.7	2.64 H	246	23.9	13.6
7	20715.00	47.1 PK	74.0	-26.9	1.96 H	271	47.1	0.0
8	20715.00	37.2 AV	54.0	-16.8	1.96 H	271	37.2	0.0

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.

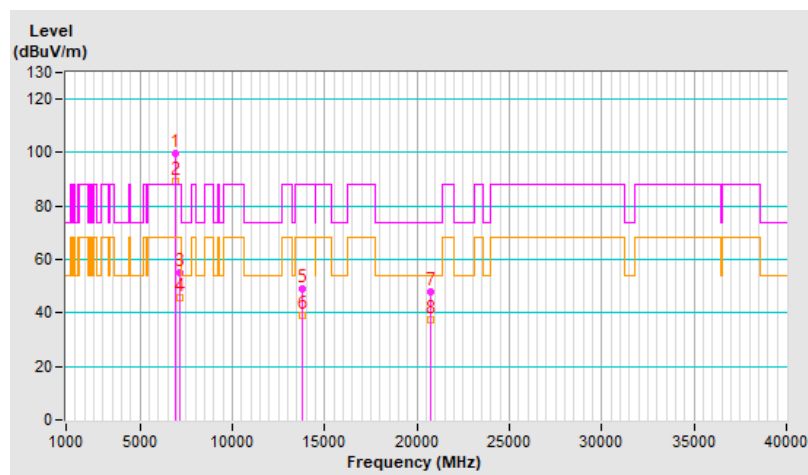


RF Mode	802.11be (EHT320)	Channel	CH 191 : 6905 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6905.00	99.8 PK			3.06 V	64	94.2	5.6
2	*6905.00	89.3 AV			3.06 V	64	83.7	5.6
3	#7125.00	55.1 PK	88.2	-33.1	3.06 V	64	48.3	6.8
4	#7125.00	45.7 AV	68.2	-22.5	3.06 V	64	38.9	6.8
5	#13810.00	49.2 PK	88.2	-39.0	3.09 V	251	35.6	13.6
6	#13810.00	38.9 AV	68.2	-29.3	3.09 V	251	25.3	13.6
7	20715.00	47.9 PK	74.0	-26.1	2.01 V	118	47.9	0.0
8	20715.00	37.3 AV	54.0	-16.7	2.01 V	118	37.3	0.0

Remarks:

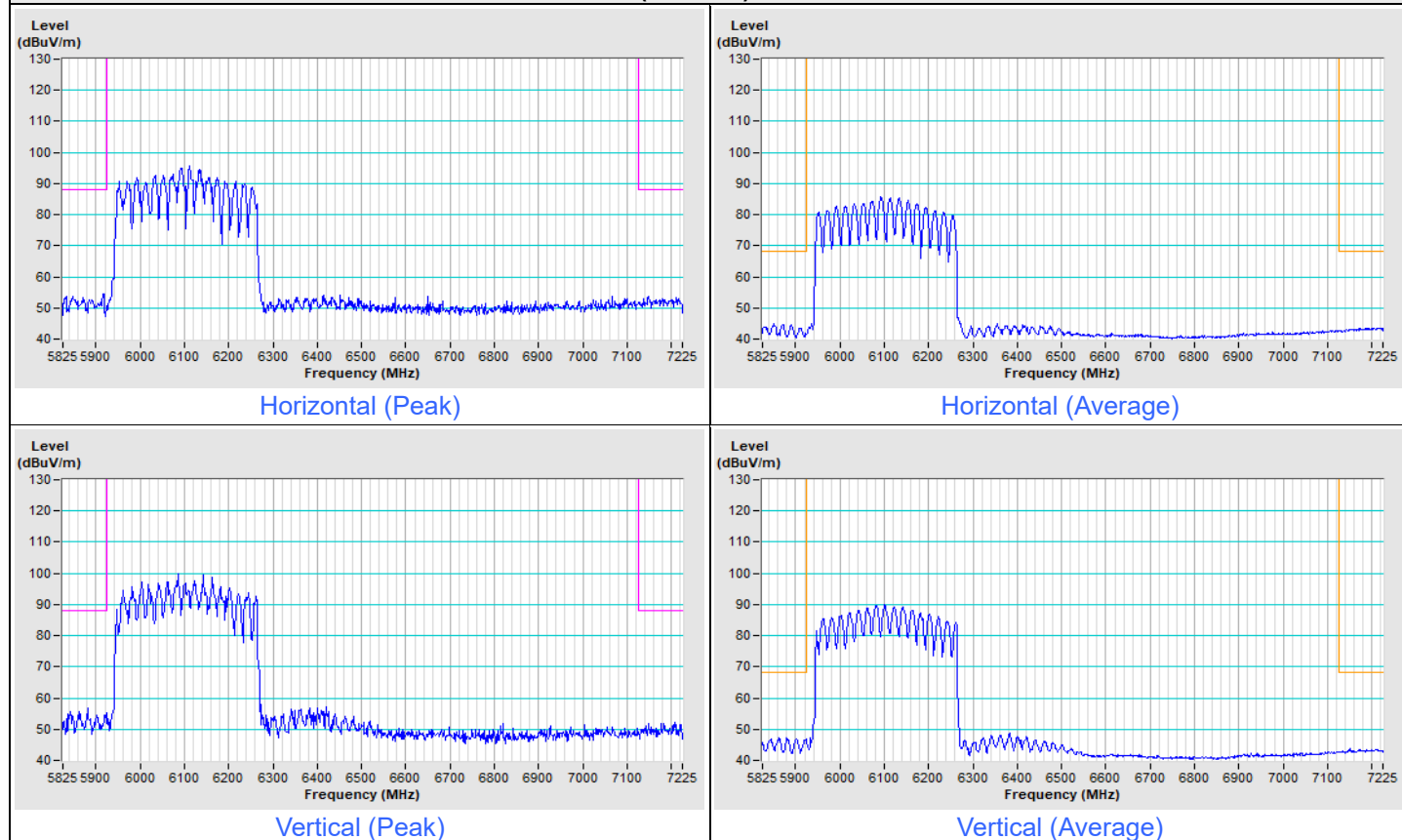
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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



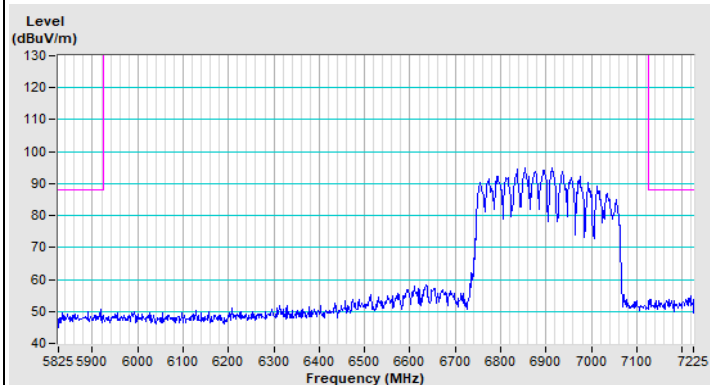
Plot of Band Edge

Frequency Range	5.825 GHz ~ 7.225 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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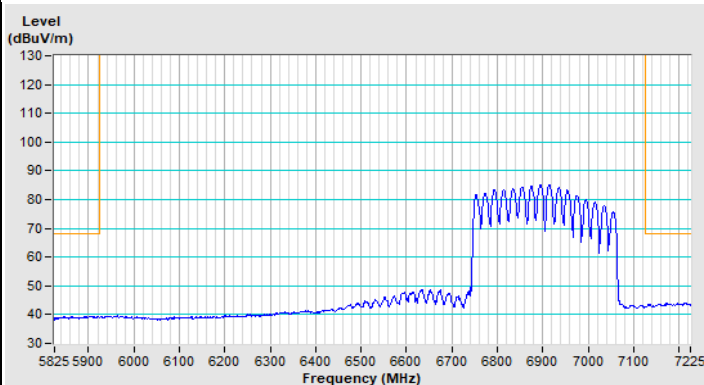
802.11be (EHT320) Channel 31



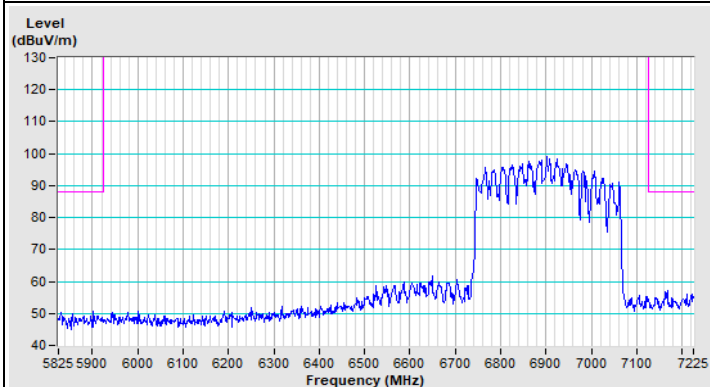
802.11be (EHT320) Channel 191



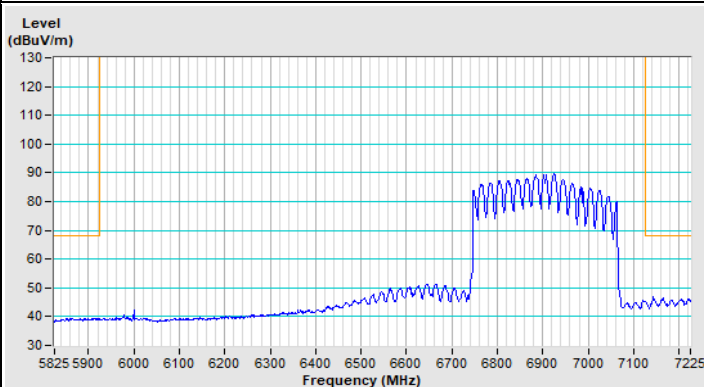
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

under control of standard power AP

Mode C

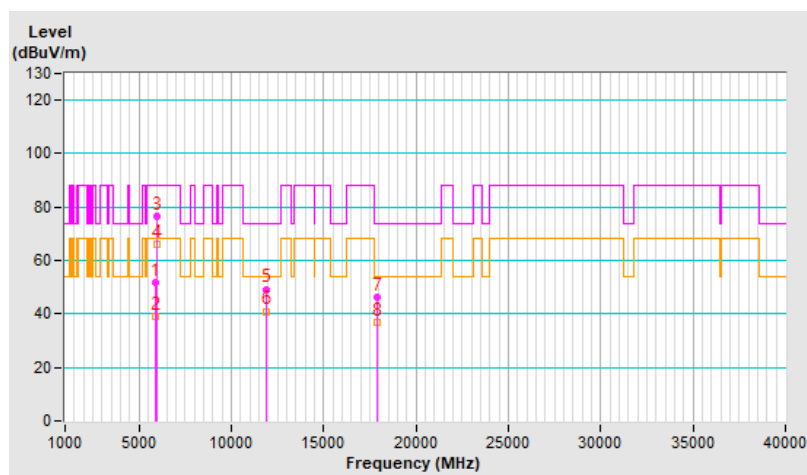
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 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 (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	51.6 PK	88.2	-36.6	1.15 H	110	48.9	2.7
2	#5925.00	39.1 AV	68.2	-29.1	1.15 H	110	36.4	2.7
3	*5935.00	76.6 PK			1.15 H	110	74.0	2.6
4	*5935.00	66.2 AV			1.15 H	110	63.6	2.6
5	11920.00	49.3 PK	74.0	-24.7	1.12 H	216	37.1	12.2
6	11920.00	41.0 AV	54.0	-13.0	1.12 H	216	28.8	12.2
7	17880.00	46.0 PK	74.0	-28.0	1.21 H	182	23.0	23.0
8	17880.00	36.9 AV	54.0	-17.1	1.21 H	182	13.9	23.0

Remarks:

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

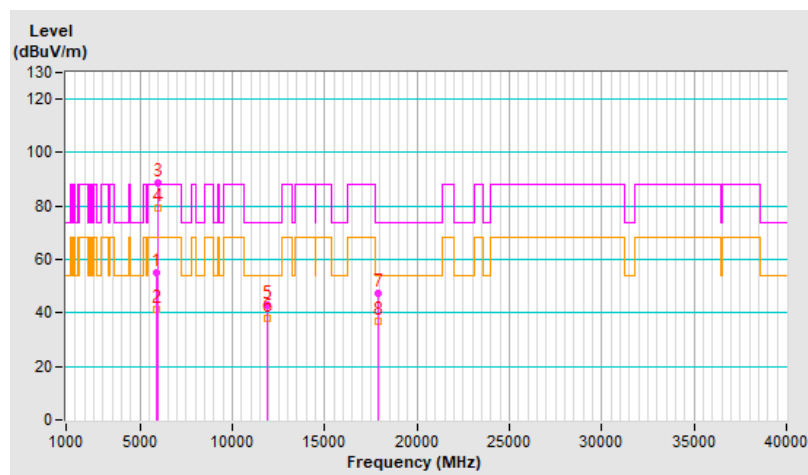


RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	54.9 PK	88.2	-33.3	2.29 V	127	52.2	2.7
2	#5925.00	41.3 AV	68.2	-26.9	2.29 V	127	38.6	2.7
3	*5935.00	88.6 PK			2.29 V	127	86.0	2.6
4	*5935.00	79.3 AV			2.29 V	127	76.7	2.6
5	11920.00	43.1 PK	74.0	-30.9	1.29 V	202	30.9	12.2
6	11920.00	38.0 AV	54.0	-16.0	1.29 V	202	25.8	12.2
7	17880.00	47.6 PK	74.0	-26.4	1.08 V	176	24.6	23.0
8	17880.00	36.8 AV	54.0	-17.2	1.08 V	176	13.8	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.

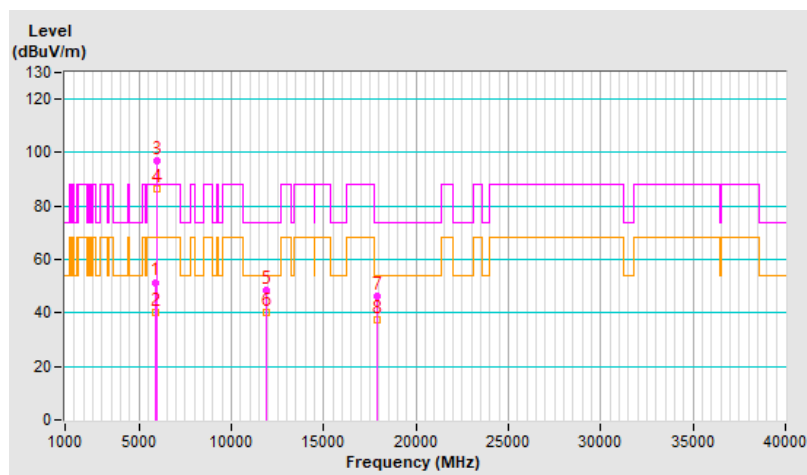


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	51.5 PK	88.2	-36.7	1.00 H	111	48.8	2.7
2	#5925.00	40.2 AV	68.2	-28.0	1.00 H	111	37.5	2.7
3	*5955.00	96.9 PK			1.00 H	111	94.3	2.6
4	*5955.00	86.5 AV			1.00 H	111	83.9	2.6
5	11910.00	48.2 PK	74.0	-25.8	1.12 H	234	36.0	12.2
6	11910.00	40.4 AV	54.0	-13.6	1.12 H	234	28.2	12.2
7	17865.00	46.3 PK	74.0	-27.7	1.22 H	180	23.7	22.6
8	17865.00	37.3 AV	54.0	-16.7	1.22 H	180	14.7	22.6

Remarks:

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

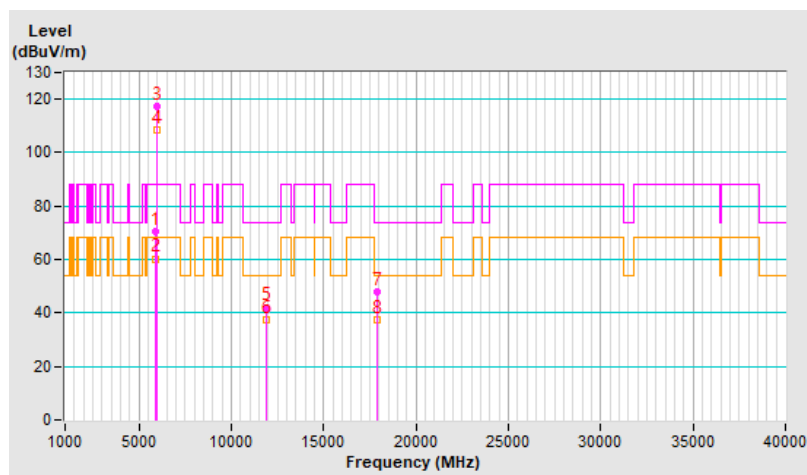


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	#5925.00	70.5 PK	88.2	-17.7	2.17 V	127	67.8	2.7
2	#5925.00	60.3 AV	68.2	-7.9	2.17 V	127	57.6	2.7
3	*5955.00	117.5 PK			2.17 V	127	114.9	2.6
4	*5955.00	108.7 AV			2.17 V	127	106.1	2.6
5	11910.00	42.1 PK	74.0	-31.9	1.25 V	209	29.9	12.2
6	11910.00	37.3 AV	54.0	-16.7	1.25 V	209	25.1	12.2
7	17865.00	48.0 PK	74.0	-26.0	1.12 V	191	25.4	22.6
8	17865.00	37.5 AV	54.0	-16.5	1.12 V	191	14.9	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.

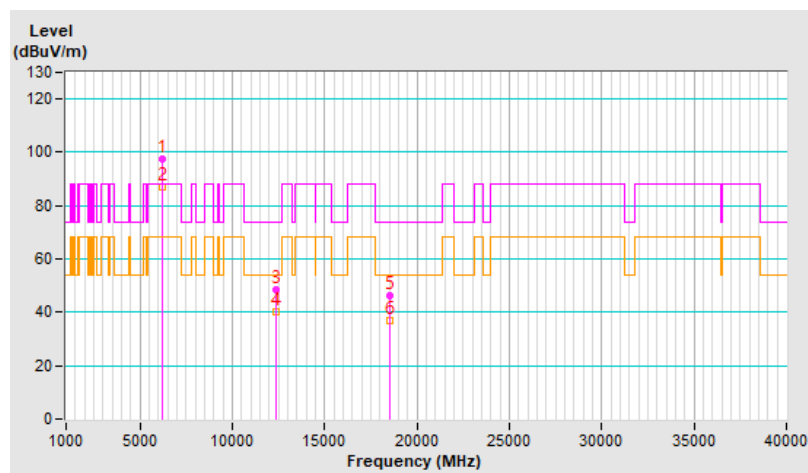


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6175.00	97.3 PK			1.00 H	99	93.9	3.4
2	*6175.00	86.9 AV			1.00 H	99	83.5	3.4
3	12350.00	48.3 PK	74.0	-25.7	1.04 H	214	36.8	11.5
4	12350.00	40.3 AV	54.0	-13.7	1.04 H	214	28.8	11.5
5	18525.00	46.3 PK	74.0	-27.7	1.21 H	178	52.2	-5.9
6	18525.00	36.9 AV	54.0	-17.1	1.21 H	178	42.8	-5.9

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.

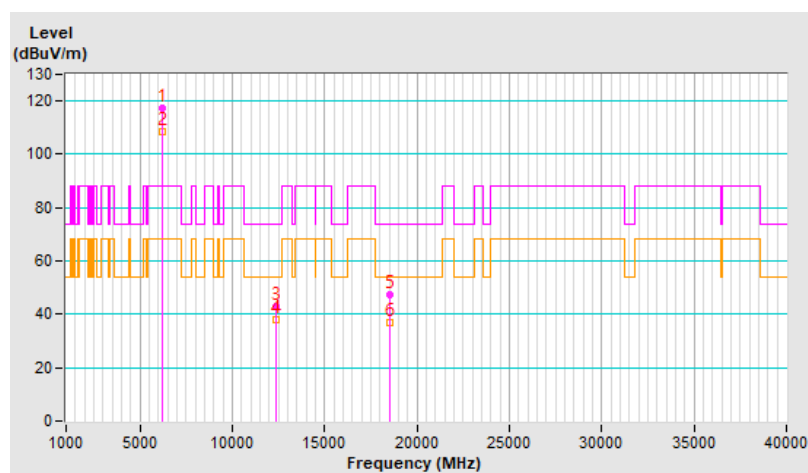


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6175.00	117.5 PK			2.14 V	137	114.1	3.4
2	*6175.00	108.7 AV			2.14 V	137	105.3	3.4
3	12350.00	43.0 PK	74.0	-31.0	1.23 V	205	31.5	11.5
4	12350.00	38.0 AV	54.0	-16.0	1.23 V	205	26.5	11.5
5	18525.00	47.6 PK	74.0	-26.4	1.08 V	176	53.5	-5.9
6	18525.00	36.8 AV	54.0	-17.2	1.08 V	176	42.7	-5.9

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.

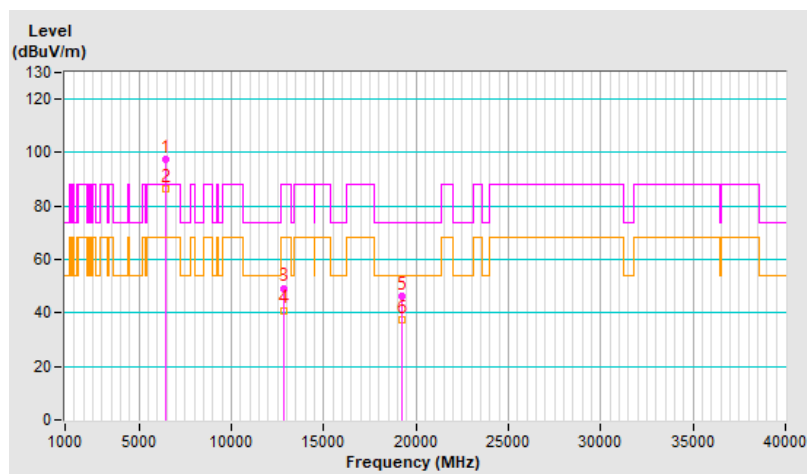


RF Mode	802.11be (EHT20)	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6415.00	97.3 PK			1.00 H	127	92.8	4.5
2	*6415.00	86.6 AV			1.00 H	127	82.1	4.5
3	#12830.00	49.3 PK	88.2	-38.9	1.15 H	217	37.4	11.9
4	#12830.00	41.0 AV	68.2	-27.2	1.15 H	217	29.1	11.9
5	19245.00	46.5 PK	74.0	-27.5	1.26 H	177	51.9	-5.4
6	19245.00	37.3 AV	54.0	-16.7	1.26 H	177	42.7	-5.4

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.

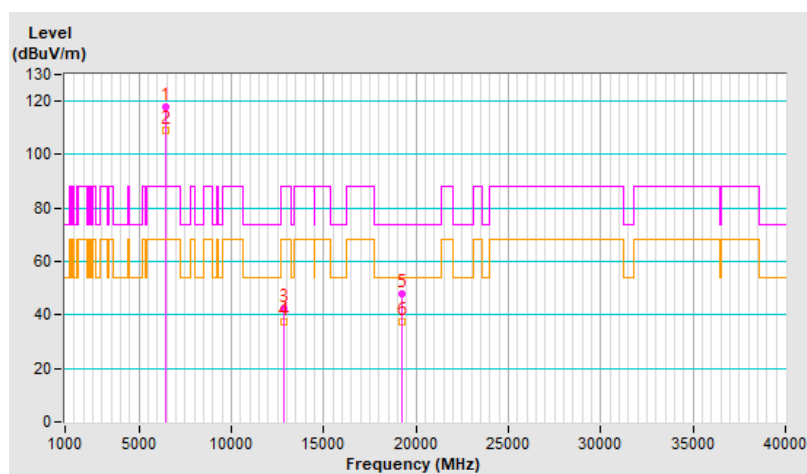


RF Mode	802.11be (EHT20)	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6415.00	117.8 PK			2.11 V	131	113.3	4.5
2	*6415.00	109.1 AV			2.11 V	131	104.6	4.5
3	#12830.00	42.4 PK	88.2	-45.8	1.29 V	210	30.5	11.9
4	#12830.00	37.4 AV	68.2	-30.8	1.29 V	210	25.5	11.9
5	19245.00	48.0 PK	74.0	-26.0	1.08 V	170	53.4	-5.4
6	19245.00	37.5 AV	54.0	-16.5	1.08 V	170	42.9	-5.4

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.

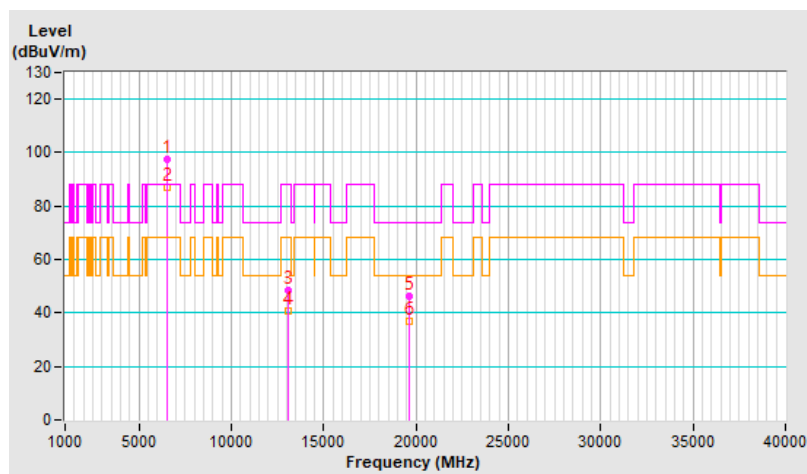


RF Mode	802.11be (EHT20)	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6535.00	97.6 PK			1.01 H	104	92.5	5.1
2	*6535.00	87.0 AV			1.01 H	104	81.9	5.1
3	#13070.00	48.7 PK	88.2	-39.5	1.09 H	229	36.5	12.2
4	#13070.00	40.6 AV	68.2	-27.6	1.09 H	229	28.4	12.2
5	19605.00	46.0 PK	74.0	-28.0	1.19 H	192	51.6	-5.6
6	19605.00	37.0 AV	54.0	-17.0	1.19 H	192	42.6	-5.6

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.

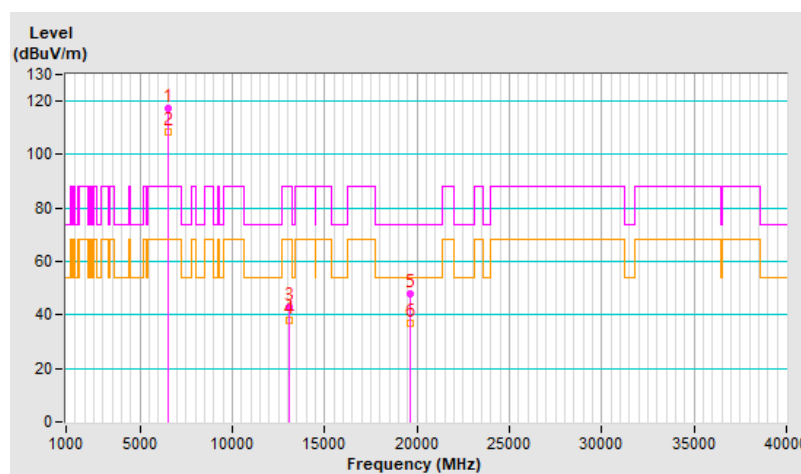


RF Mode	802.11be (EHT20)	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6535.00	117.3 PK			2.12 V	131	112.2	5.1
2	*6535.00	108.3 AV			2.12 V	131	103.2	5.1
3	#13070.00	43.0 PK	88.2	-45.2	1.32 V	198	30.8	12.2
4	#13070.00	38.2 AV	68.2	-30.0	1.32 V	198	26.0	12.2
5	19605.00	47.8 PK	74.0	-26.2	1.10 V	175	53.4	-5.6
6	19605.00	37.0 AV	54.0	-17.0	1.10 V	175	42.6	-5.6

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.

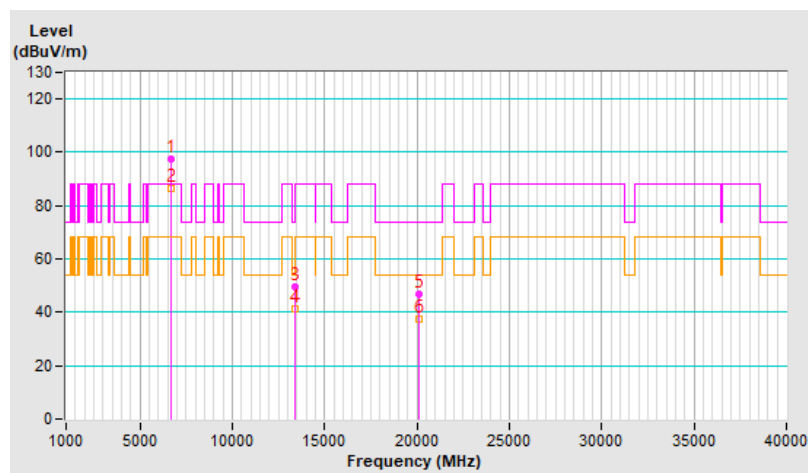


RF Mode	802.11be (EHT20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6695.00	97.3 PK			1.01 H	114	91.7	5.6
2	*6695.00	86.7 AV			1.01 H	114	81.1	5.6
3	13390.00	49.5 PK	74.0	-24.5	1.12 H	231	35.5	14.0
4	13390.00	41.2 AV	54.0	-12.8	1.12 H	231	27.2	14.0
5	20085.00	46.8 PK	74.0	-27.2	1.24 H	168	51.8	-5.0
6	20085.00	37.4 AV	54.0	-16.6	1.24 H	168	42.4	-5.0

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.

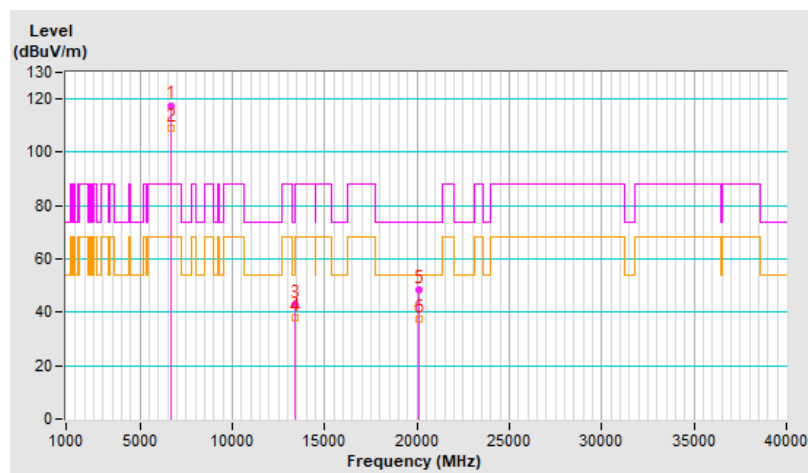


RF Mode	802.11be (EHT20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6695.00	117.6 PK			2.13 V	119	112.0	5.6
2	*6695.00	108.8 AV			2.13 V	119	103.2	5.6
3	13390.00	42.9 PK	74.0	-31.1	1.30 V	215	28.9	14.0
4	13390.00	37.9 AV	54.0	-16.1	1.30 V	215	23.9	14.0
5	20085.00	48.2 PK	74.0	-25.8	1.05 V	170	53.2	-5.0
6	20085.00	37.5 AV	54.0	-16.5	1.05 V	170	42.5	-5.0

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.

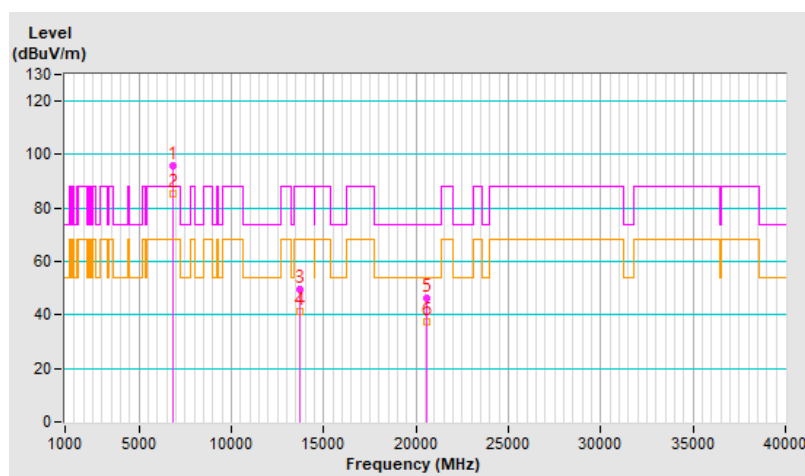


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6855.00	95.6 PK			1.01 H	108	90.0	5.6
2	*6855.00	85.3 AV			1.01 H	108	79.7	5.6
3	#13710.00	49.4 PK	88.2	-38.8	1.08 H	236	35.7	13.7
4	#13710.00	41.1 AV	68.2	-27.1	1.08 H	236	27.4	13.7
5	20565.00	46.5 PK	74.0	-27.5	1.29 H	164	50.8	-4.3
6	20565.00	37.5 AV	54.0	-16.5	1.29 H	164	41.8	-4.3

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.

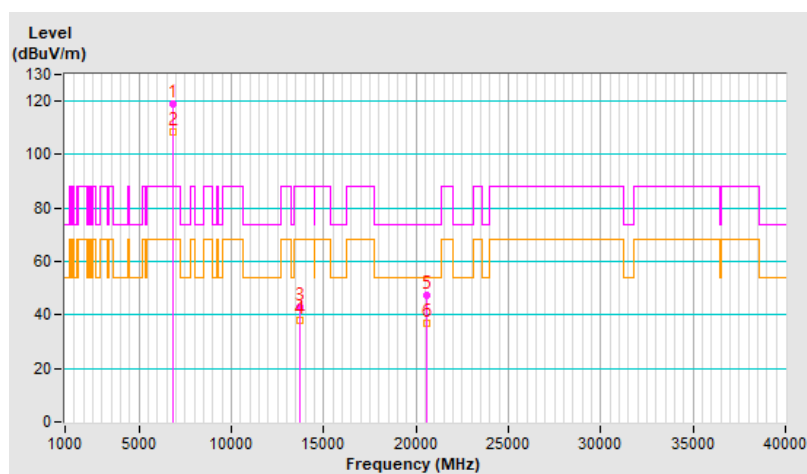


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

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	*6855.00	119.2 PK			2.08 V	133	113.6	5.6
2	*6855.00	108.5 AV			2.08 V	133	102.9	5.6
3	#13710.00	43.1 PK	88.2	-45.1	1.32 V	201	29.4	13.7
4	#13710.00	37.9 AV	68.2	-30.3	1.32 V	201	24.2	13.7
5	20565.00	47.6 PK	74.0	-26.4	1.05 V	167	51.9	-4.3
6	20565.00	36.7 AV	54.0	-17.3	1.05 V	167	41.0	-4.3

Remarks:

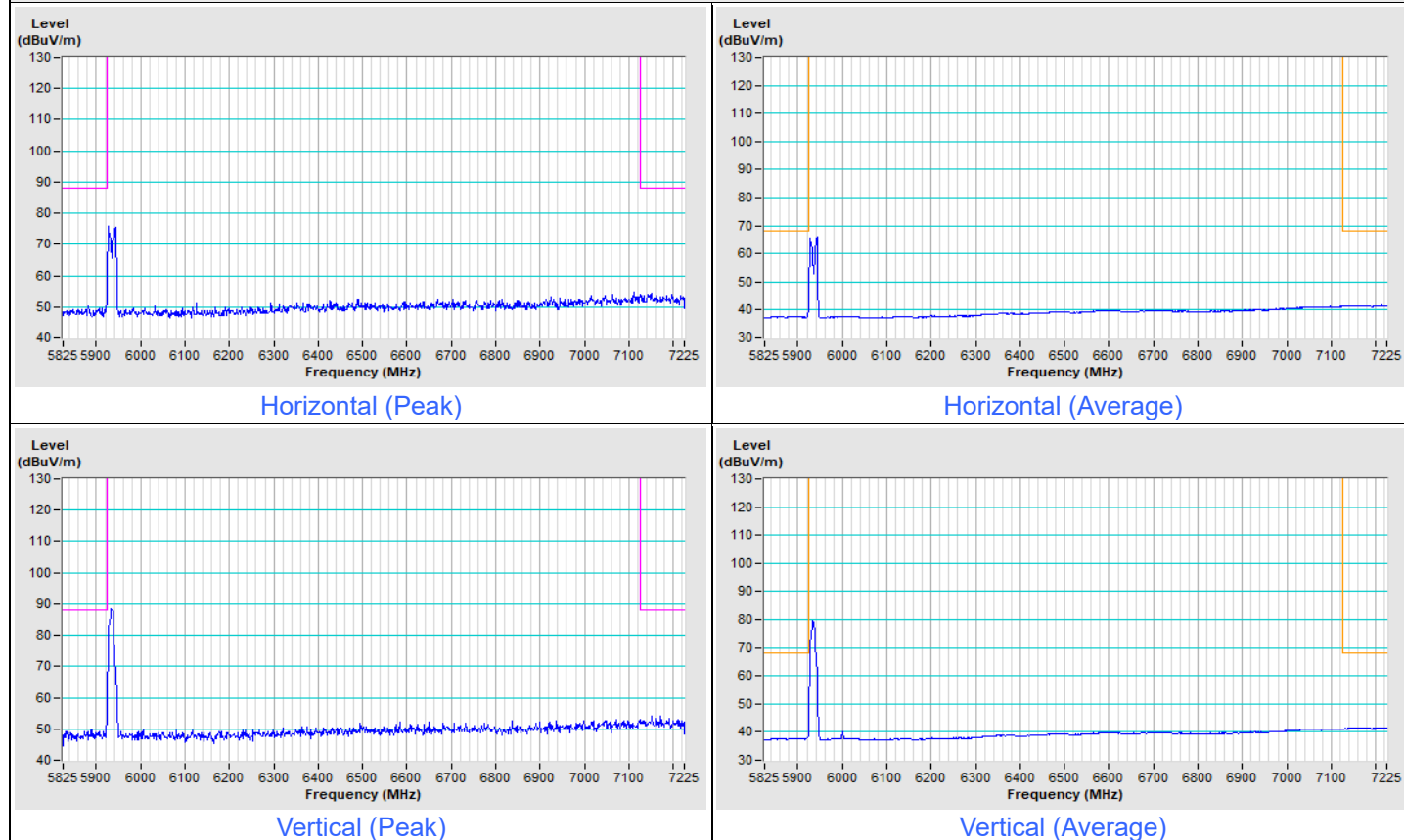
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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



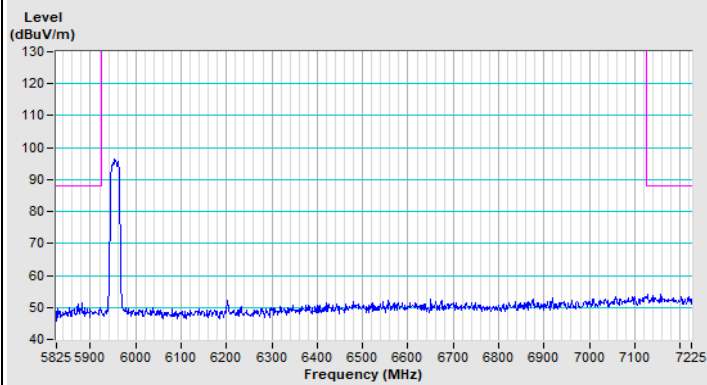
Plot of Band Edge

Frequency Range	5.825 GHz ~ 7.225 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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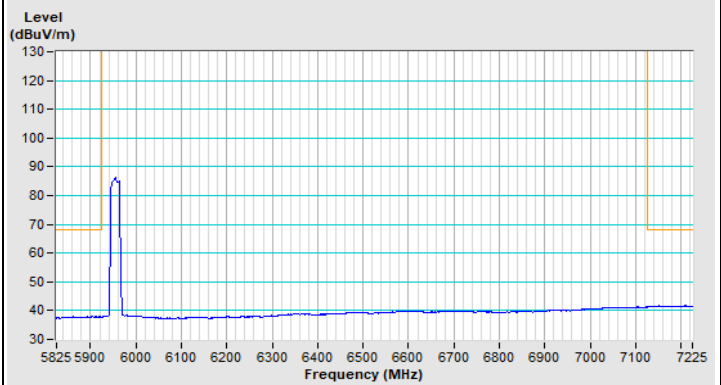
802.11be (EHT20) Channel 2



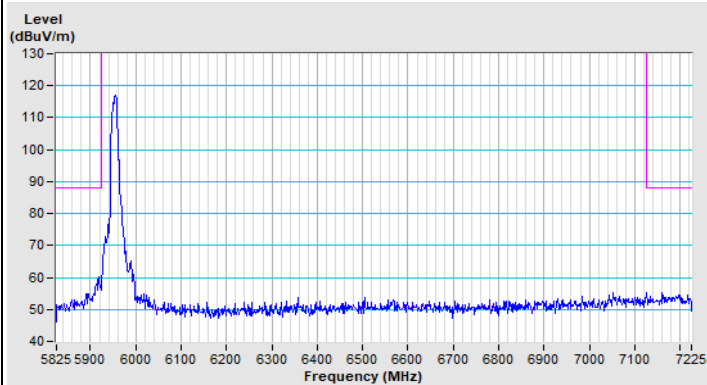
802.11be (EHT20) Channel 1



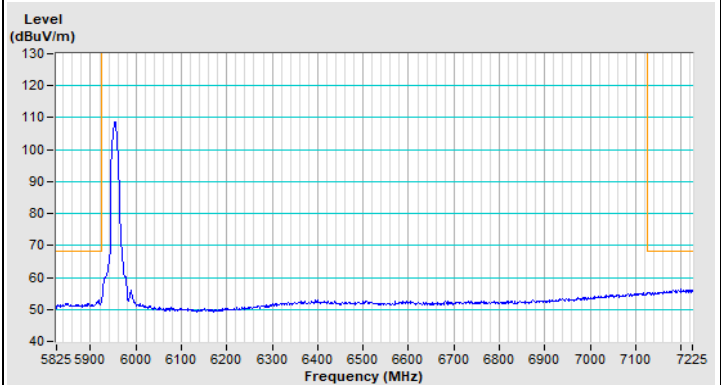
Horizontal (Peak)



Horizontal (Average)

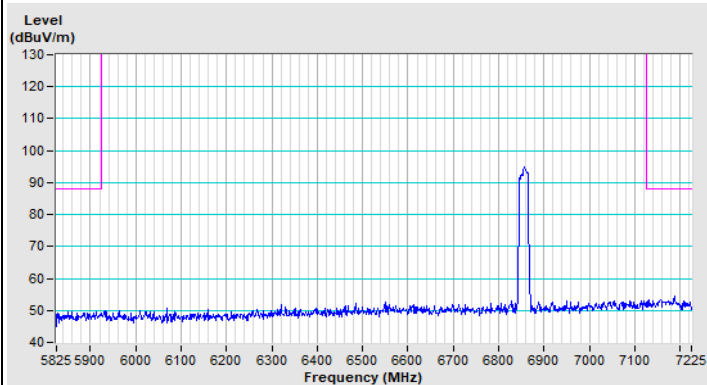


Vertical (Peak)

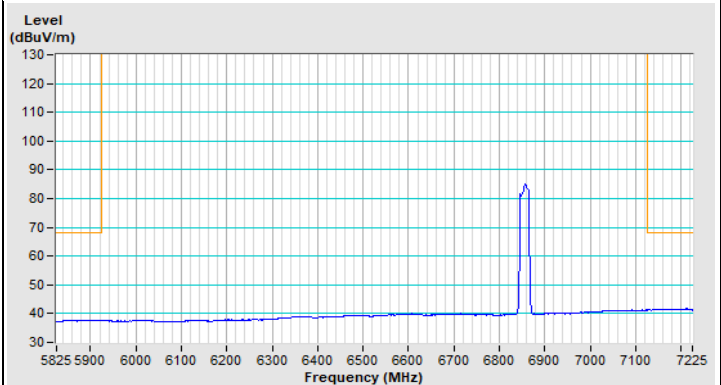


Vertical (Average)

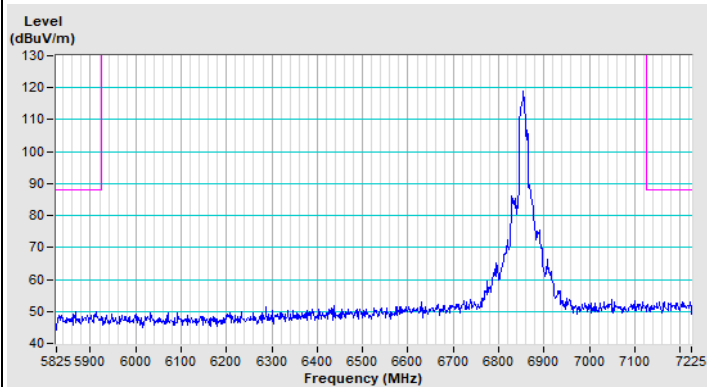
802.11be (EHT20) Channel 181



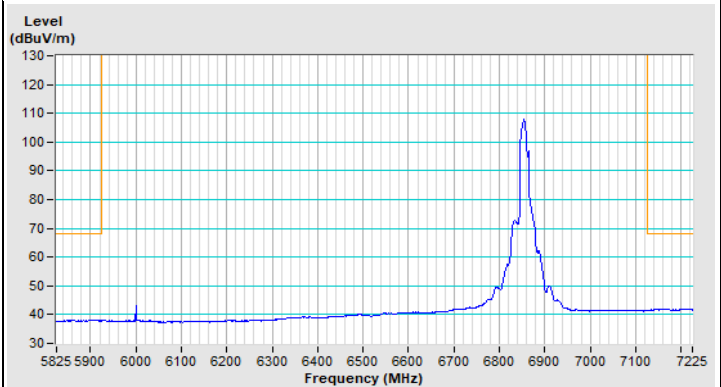
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

Mode D

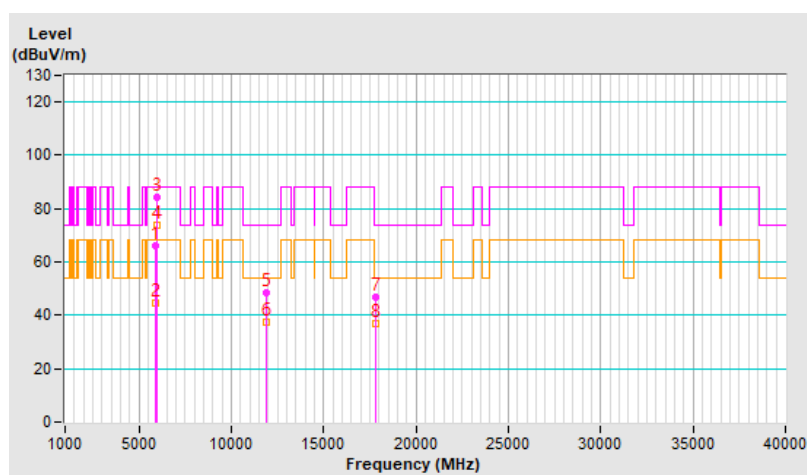
2Tx

RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 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 (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	66.1 PK	88.2	-22.1	1.02 H	334	63.5	2.6
2	#5925.00	44.8 AV	68.2	-23.4	1.02 H	334	42.2	2.6
3	*5935.00	84.1 PK			1.02 H	334	81.6	2.5
4	*5935.00	73.7 AV			1.02 H	334	71.2	2.5
5	11870.00	48.3 PK	74.0	-25.7	2.55 H	265	36.3	12.0
6	11870.00	37.4 AV	54.0	-16.6	2.55 H	265	25.4	12.0
7	17805.00	46.7 PK	74.0	-27.3	1.99 H	256	24.5	22.2
8	17805.00	36.9 AV	54.0	-17.1	1.99 H	256	14.7	22.2

Remarks:

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

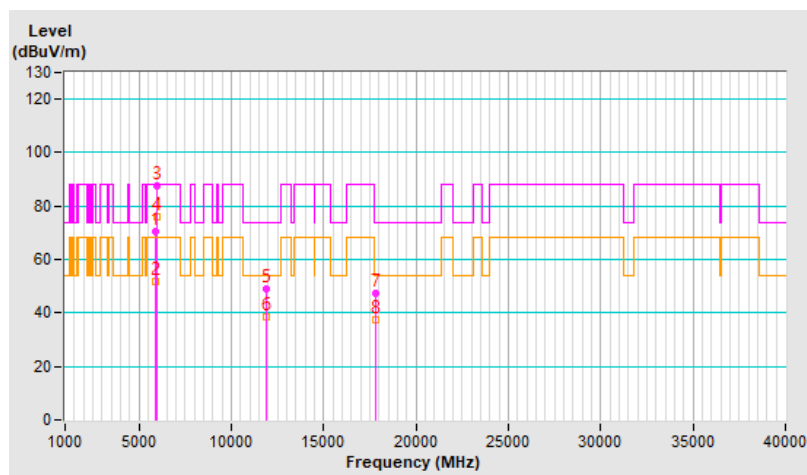


RF Mode	802.11be (EHT20)	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	70.7 PK	88.2	-17.5	3.07 V	68	68.1	2.6
2	#5925.00	51.8 AV	68.2	-16.4	3.07 V	68	49.2	2.6
3	*5935.00	87.8 PK			3.07 V	68	85.3	2.5
4	*5935.00	76.2 AV			3.07 V	68	73.7	2.5
5	11870.00	48.8 PK	74.0	-25.2	3.13 V	239	36.8	12.0
6	11870.00	38.7 AV	54.0	-15.3	3.13 V	239	26.7	12.0
7	17805.00	47.5 PK	74.0	-26.5	1.56 V	120	25.3	22.2
8	17805.00	37.5 AV	54.0	-16.5	1.56 V	120	15.3	22.2

Remarks:

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

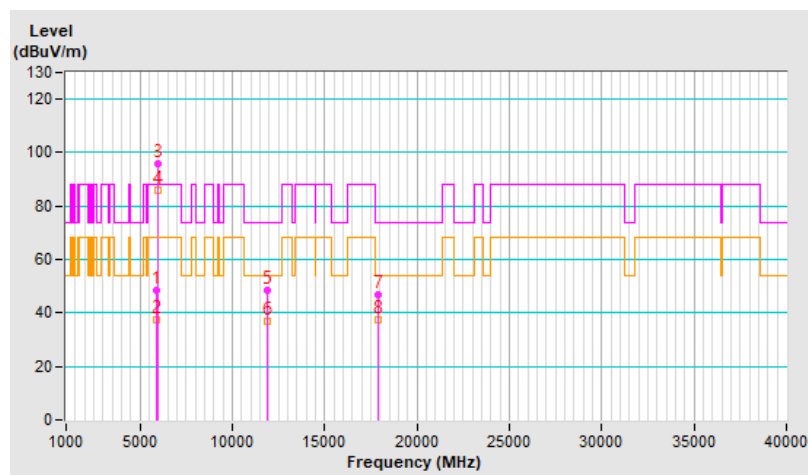


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	48.2 PK	88.2	-40.0	1.02 H	335	45.6	2.6
2	#5925.00	37.2 AV	68.2	-31.0	1.02 H	335	34.6	2.6
3	*5955.00	95.9 PK			1.02 H	335	93.5	2.4
4	*5955.00	85.7 AV			1.02 H	335	83.3	2.4
5	11910.00	48.2 PK	74.0	-25.8	2.67 H	261	36.0	12.2
6	11910.00	37.1 AV	54.0	-16.9	2.67 H	261	24.9	12.2
7	17865.00	46.6 PK	74.0	-27.4	2.02 H	262	23.4	23.2
8	17865.00	37.4 AV	54.0	-16.6	2.02 H	262	14.2	23.2

Remarks:

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

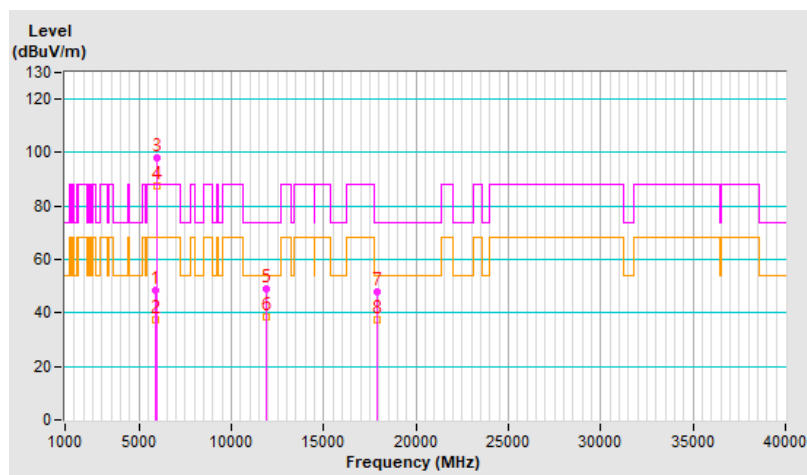


RF Mode	802.11be (EHT20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	#5925.00	48.6 PK	88.2	-39.6	3.05 V	70	46.0	2.6
2	#5925.00	37.4 AV	68.2	-30.8	3.05 V	70	34.8	2.6
3	*5955.00	97.9 PK			3.05 V	70	95.5	2.4
4	*5955.00	87.8 AV			3.05 V	70	85.4	2.4
5	11910.00	49.2 PK	74.0	-24.8	3.13 V	214	37.0	12.2
6	11910.00	38.4 AV	54.0	-15.6	3.13 V	214	26.2	12.2
7	17865.00	47.7 PK	74.0	-26.3	2.14 V	84	24.5	23.2
8	17865.00	37.4 AV	54.0	-16.6	2.14 V	84	14.2	23.2

Remarks:

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

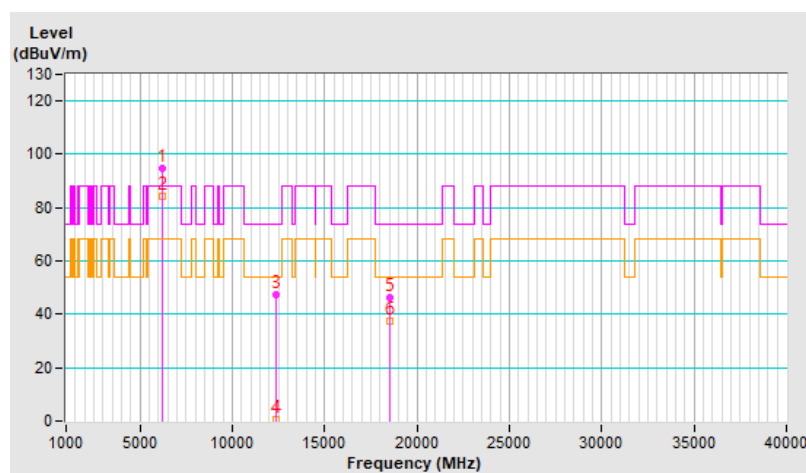


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6175.00	94.6 PK			1.04 H	336	91.6	3.0
2	*6175.00	84.3 AV			1.04 H	336	81.3	3.0
3	12350.00	47.5 PK	74.0	-26.5	2.66 H	257	36.2	11.3
4	12350.00	0.4 AV	54.0	-53.6	2.66 H	257	-10.9	11.3
5	18525.00	46.1 PK	74.0	-27.9	1.99 H	274	46.1	0.0
6	18525.00	37.4 AV	54.0	-16.6	1.99 H	274	37.4	0.0

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.

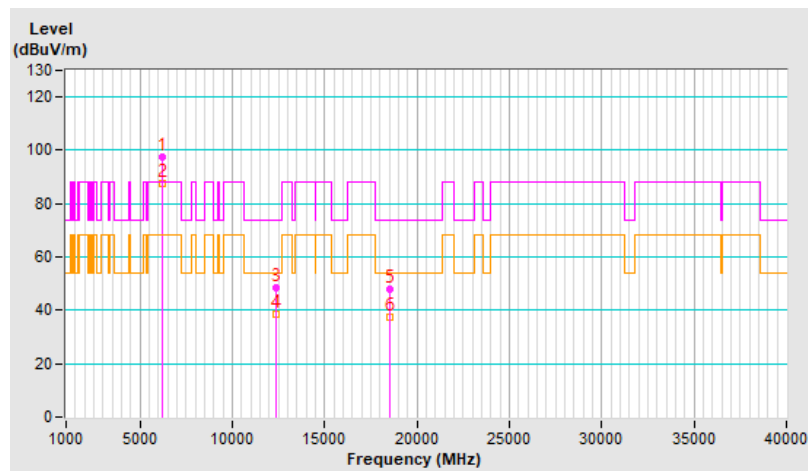


RF Mode	802.11be (EHT20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6175.00	97.4 PK			3.12 V	68	94.4	3.0
2	*6175.00	87.4 AV			3.12 V	68	84.4	3.0
3	12350.00	48.7 PK	74.0	-25.3	3.11 V	227	37.4	11.3
4	12350.00	38.6 AV	54.0	-15.4	3.11 V	227	27.3	11.3
5	18525.00	48.1 PK	74.0	-25.9	2.03 V	102	48.1	0.0
6	18525.00	37.5 AV	54.0	-16.5	2.03 V	102	37.5	0.0

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.

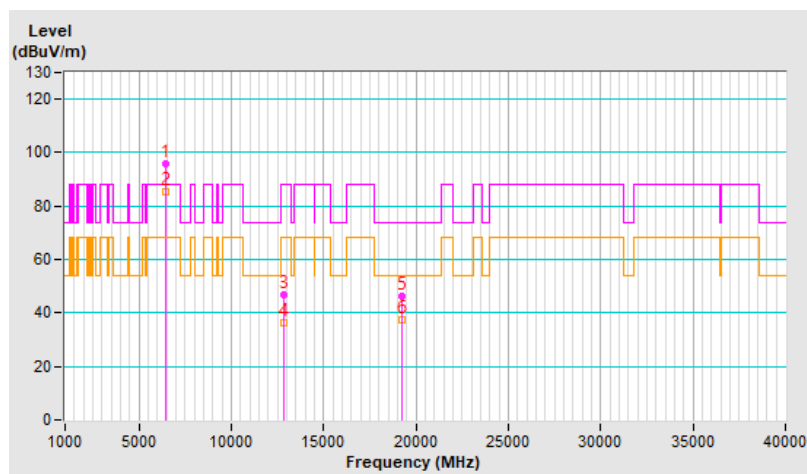


RF Mode	802.11be (EHT20)	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6415.00	95.7 PK			2.61 H	122	91.7	4.0
2	*6415.00	85.6 AV			2.61 H	122	81.6	4.0
3	#12830.00	46.9 PK	88.2	-41.3	2.64 H	281	35.1	11.8
4	#12830.00	36.3 AV	68.2	-31.9	2.64 H	281	24.5	11.8
5	19245.00	46.3 PK	74.0	-27.7	1.98 H	262	46.3	0.0
6	19245.00	37.4 AV	54.0	-16.6	1.98 H	262	37.4	0.0

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.

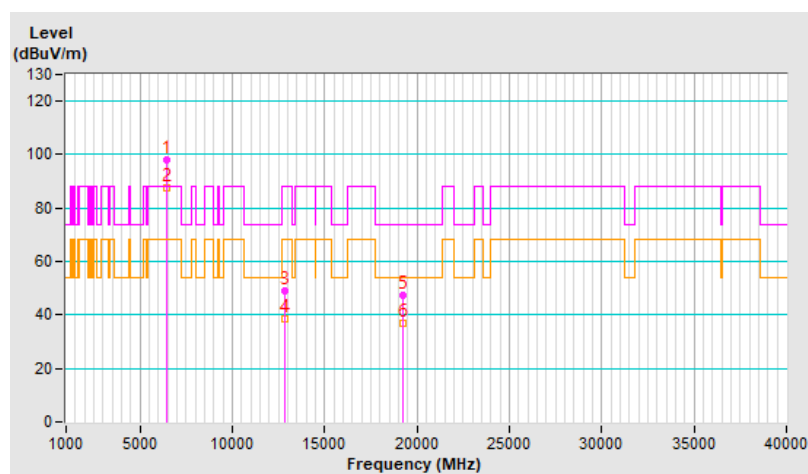


RF Mode	802.11be (EHT20)	Channel	CH 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6415.00	98.1 PK			3.01 V	69	94.1	4.0
2	*6415.00	87.6 AV			3.01 V	69	83.6	4.0
3	#12830.00	48.8 PK	88.2	-39.4	3.15 V	220	37.0	11.8
4	#12830.00	38.4 AV	68.2	-29.8	3.15 V	220	26.6	11.8
5	19245.00	47.5 PK	74.0	-26.5	2.09 V	88	47.5	0.0
6	19245.00	37.1 AV	54.0	-16.9	2.09 V	88	37.1	0.0

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.

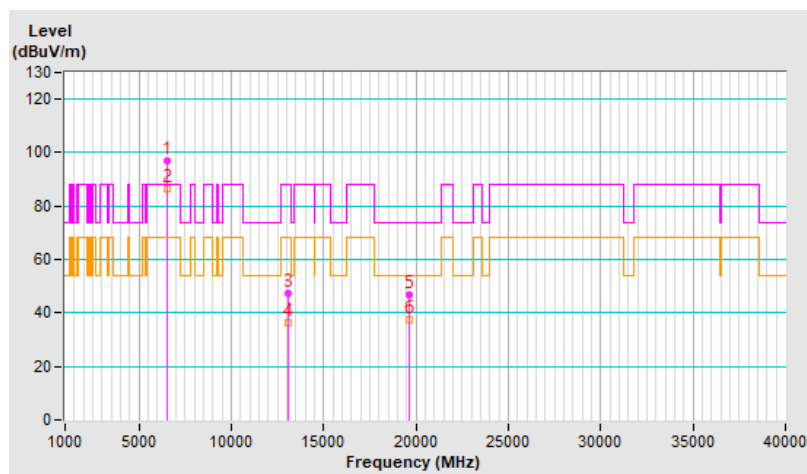


RF Mode	802.11be (EHT20)	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6535.00	97.1 PK			2.60 H	120	92.3	4.8
2	*6535.00	86.7 AV			2.60 H	120	81.9	4.8
3	#13070.00	47.3 PK	88.2	-40.9	2.61 H	276	35.4	11.9
4	#13070.00	36.5 AV	68.2	-31.7	2.61 H	276	24.6	11.9
5	19605.00	46.7 PK	74.0	-27.3	2.01 H	249	46.7	0.0
6	19605.00	37.6 AV	54.0	-16.4	2.01 H	249	37.6	0.0

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.

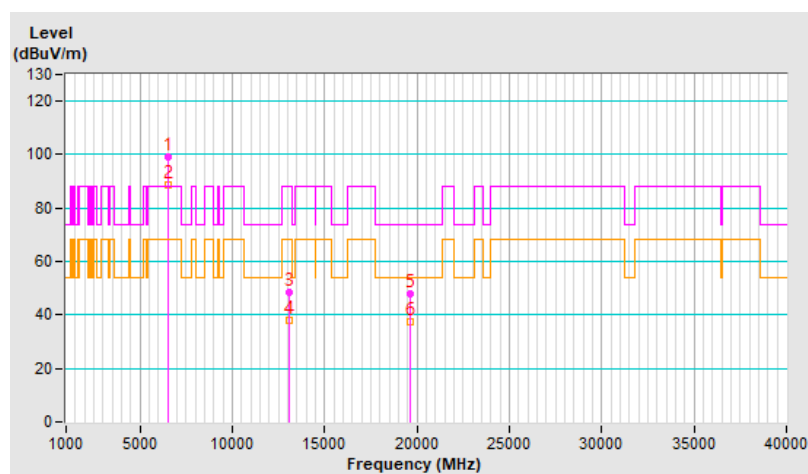


RF Mode	802.11be (EHT20)	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6535.00	99.2 PK			2.87 V	66	94.4	4.8
2	*6535.00	88.7 AV			2.87 V	66	83.9	4.8
3	#13070.00	48.5 PK	88.2	-39.7	3.15 V	223	36.6	11.9
4	#13070.00	38.1 AV	68.2	-30.1	3.15 V	223	26.2	11.9
5	19605.00	48.0 PK	74.0	-26.0	2.05 V	94	48.0	0.0
6	19605.00	37.4 AV	54.0	-16.6	2.05 V	94	37.4	0.0

Remarks:

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

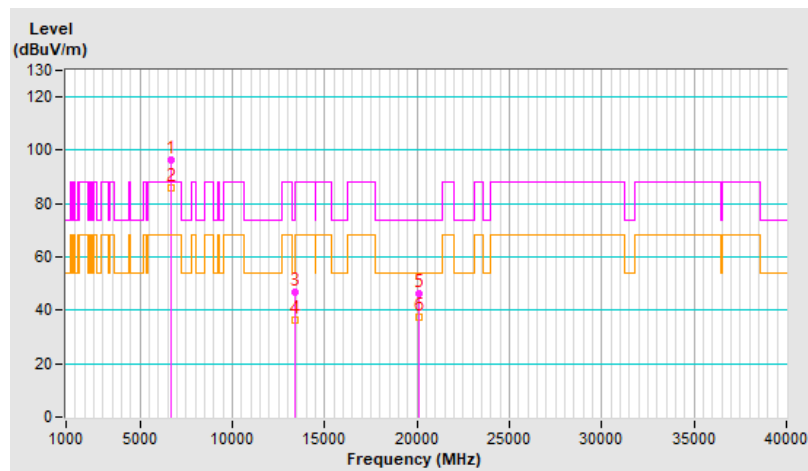


RF Mode	802.11be (EHT20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6695.00	96.4 PK			2.74 H	119	91.3	5.1
2	*6695.00	86.1 AV			2.74 H	119	81.0	5.1
3	13390.00	46.9 PK	74.0	-27.1	2.55 H	284	33.3	13.6
4	13390.00	36.1 AV	54.0	-17.9	2.55 H	284	22.5	13.6
5	20085.00	46.5 PK	74.0	-27.5	1.99 H	239	46.5	0.0
6	20085.00	37.3 AV	54.0	-16.7	1.99 H	239	37.3	0.0

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.

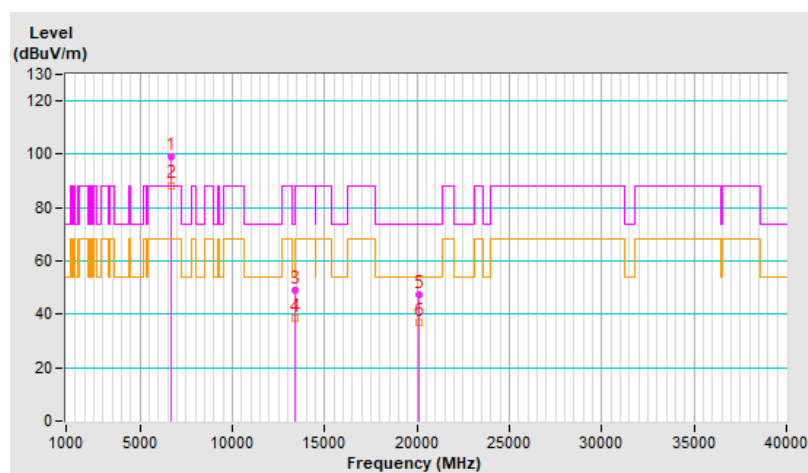


RF Mode	802.11be (EHT20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6695.00	98.9 PK			2.85 V	70	93.8	5.1
2	*6695.00	88.4 AV			2.85 V	70	83.3	5.1
3	13390.00	49.2 PK	74.0	-24.8	3.13 V	223	35.6	13.6
4	13390.00	38.5 AV	54.0	-15.5	3.13 V	223	24.9	13.6
5	20085.00	47.6 PK	74.0	-26.4	2.03 V	83	47.6	0.0
6	20085.00	37.0 AV	54.0	-17.0	2.03 V	83	37.0	0.0

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.

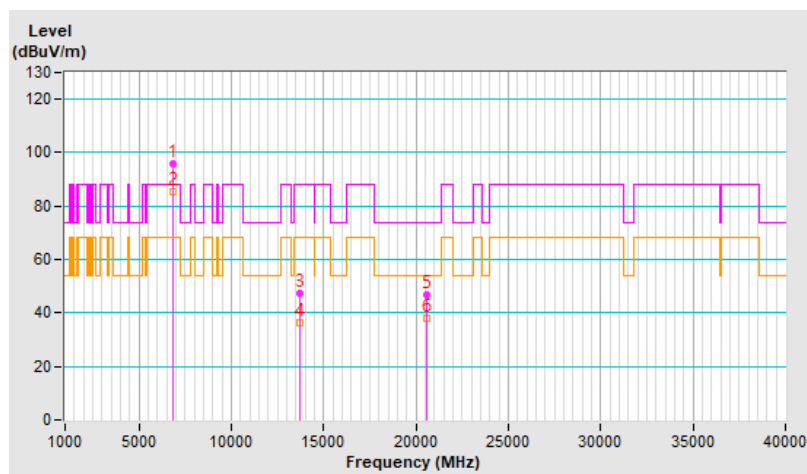


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6855.00	95.9 PK			2.51 H	117	90.5	5.4
2	*6855.00	85.6 AV			2.51 H	117	80.2	5.4
3	#13710.00	47.1 PK	88.2	-41.1	2.67 H	298	33.7	13.4
4	#13710.00	36.4 AV	68.2	-31.8	2.67 H	298	23.0	13.4
5	20565.00	47.0 PK	74.0	-27.0	1.98 H	248	47.0	0.0
6	20565.00	37.8 AV	54.0	-16.2	1.98 H	248	37.8	0.0

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.

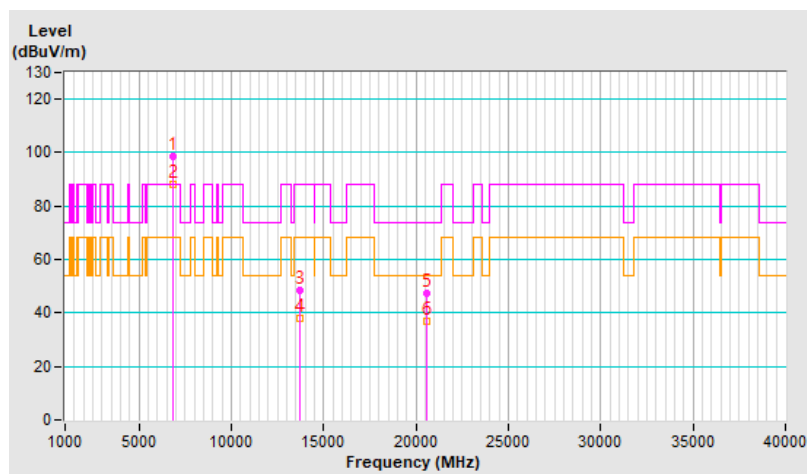


RF Mode	802.11be (EHT20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tank Wu		

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	*6855.00	98.5 PK			2.82 V	67	93.1	5.4
2	*6855.00	88.2 AV			2.82 V	67	82.8	5.4
3	#13710.00	48.7 PK	88.2	-39.5	3.08 V	235	35.3	13.4
4	#13710.00	38.0 AV	68.2	-30.2	3.08 V	235	24.6	13.4
5	20565.00	47.6 PK	74.0	-26.4	1.98 V	97	47.6	0.0
6	20565.00	36.9 AV	54.0	-17.1	1.98 V	97	36.9	0.0

Remarks:

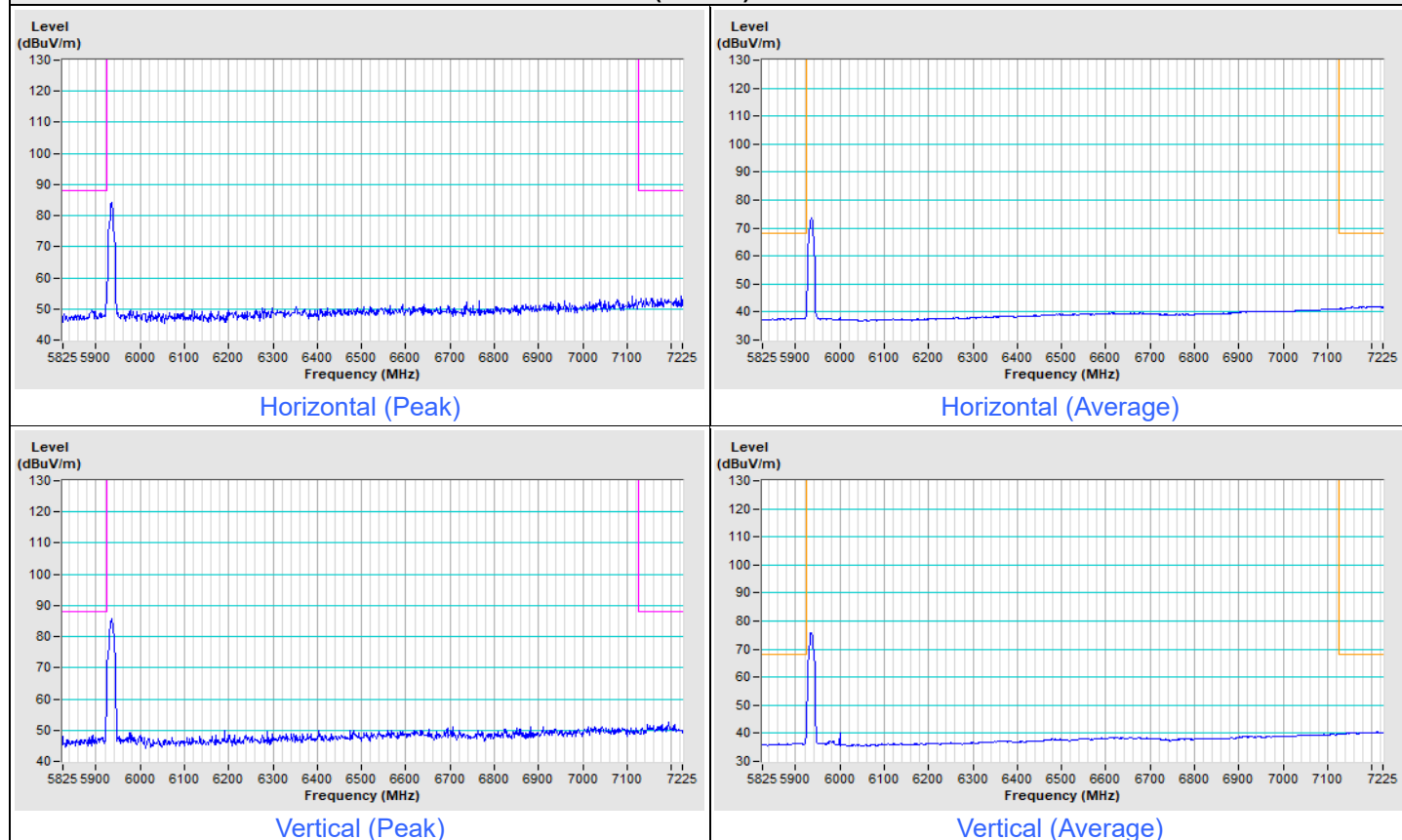
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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

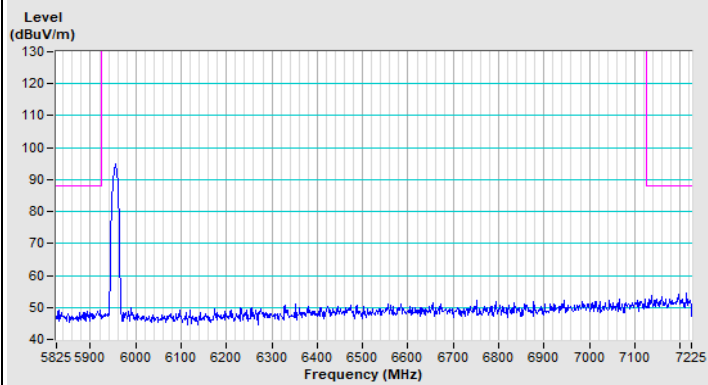


Plot of Band Edge

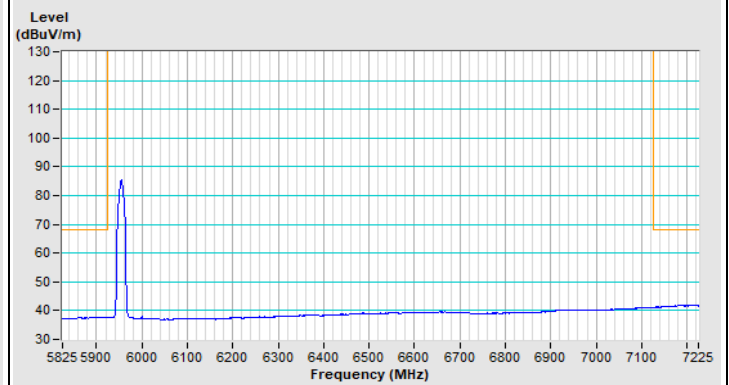
Frequency Range	5.825 GHz ~ 7.225 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT20) Channel 2

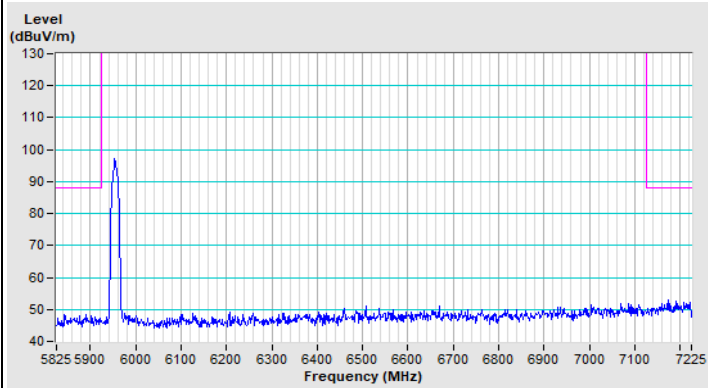


802.11be (EHT20) Channel 1

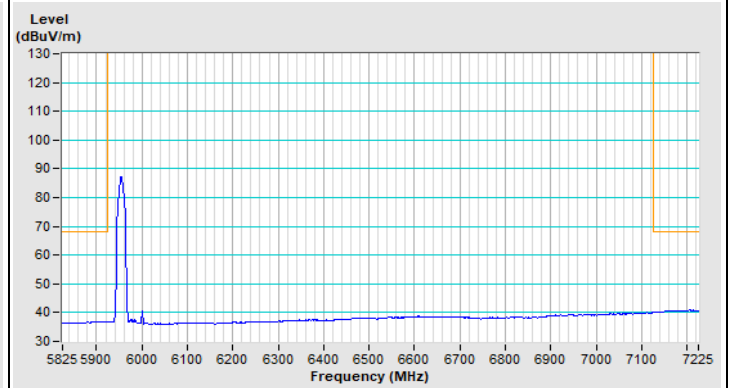
Horizontal (Peak)



Horizontal (Average)

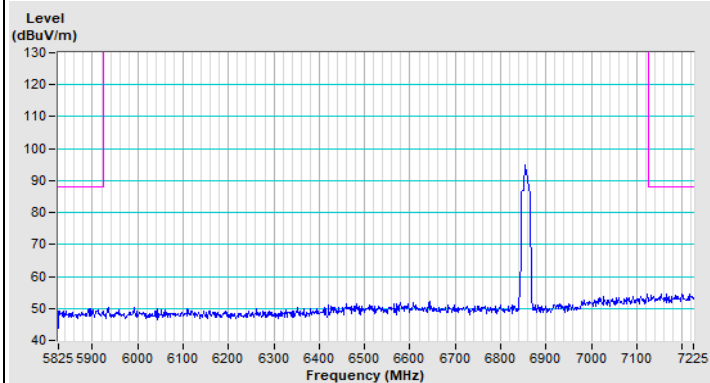


Vertical (Peak)

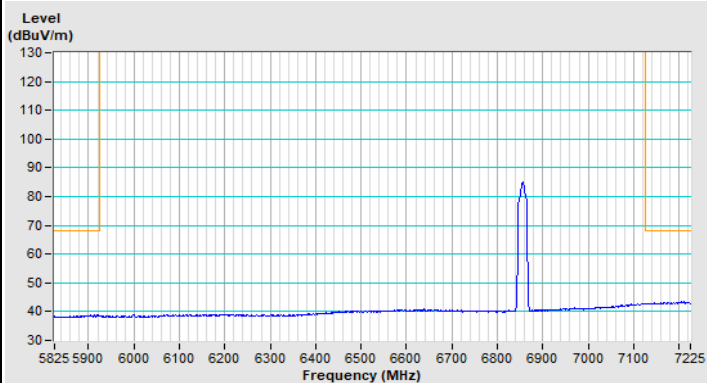


Vertical (Average)

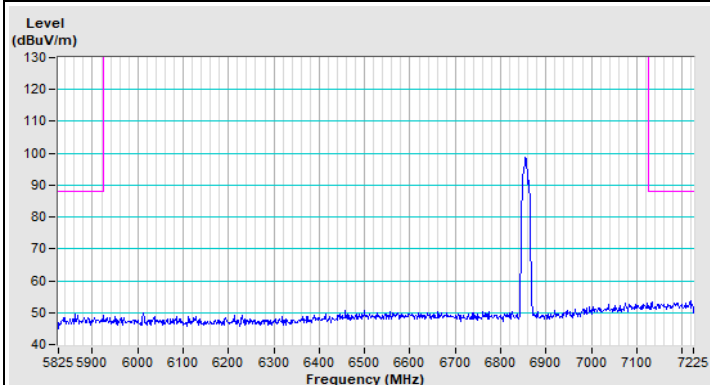
802.11be (EHT20) Channel 181



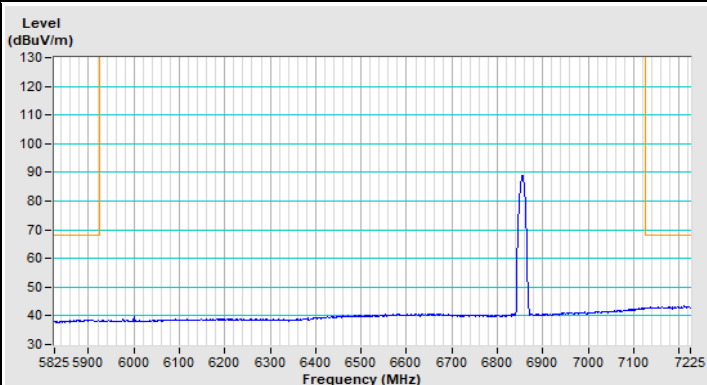
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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