

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBBUI-WTW-P23070201C-1
FCC ID: TX2-RTL8922AE
Product: 11be RTL8922AE Combo module
Brand: REALTEK
Model No.: RTL8922AE
Received Date: 2024/8/1
Test Date: 2024/8/28 ~ 2024/11/4
Issued Date: 2025/1/17
Applicant: Realtek Semiconductor Corp.
Address: No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / 723255 / TW2022
Designation Number:

Approved by:



Wen Yu / Assistant Manager

, Date:

2025/1/17

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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBUI-WTW-P23070201C-1	Original release.	2025/1/17

1 Certificate

Product: 11be RTL8922AE Combo module

Brand: REALTEK

Test Model: RTL8922AE

Sample Status: Engineering sample

Applicant: Realtek Semiconductor Corp.

Test Date: 2024/8/28 ~ 2024/11/4

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)

Measurement ANSI C63.10-2013

procedure: KDB 558074 D01 15.247 Meas Guidance v05r02

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 C (Section 15.247)			
Standard / Clause	Test Item	Result	Remark
15.247(b)	RF Output Power	Pass	Meet the requirement of limit.
15.247(e)	Power Spectral Density	Pass	Meet the requirement of limit.
15.247(a)(2)	6 dB Bandwidth	N/A	Refer to Note 1 below
15.247(d)	Conducted Out of Band Emissions	N/A	Refer to Note 1 below
15.207	AC Power Conducted Emissions	N/A	Refer to Note 1 below
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	N/A	Refer to Note 1 below
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -1.8 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	Antenna connector is IPEX, MHF4, MHF4L not a standard connector.

Note:

1. Only RF Output Power, Power Spectral Density and Unwanted Emissions above 1 GHz test items were performed for this addendum. The others testing data refer to original test report.
2. 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:

Parameter	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 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

Product	11be RTL8922AE Combo module
Brand	REALTEK
Test Model	RTL8922AE
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in VHT mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 300 Mbps VHT: up to 400 Mbps 802.11ax: up to 573.5 Mbps 802.11be: up to 688.2 Mbps
Operating Frequency	2.412 GHz ~ 2.472 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20): 13 802.11n (HT40), VHT40, 802.11ax (HE40), 802.11be (EHT40): 9
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone Multi-RU (Small RU): 52-tone + 26-tone, 106-tone + 26-tone
Output Power	62.38 mW (17.95 dBm)

Note:

1. This report is prepared for FCC Class II permissive change. The difference compared with the Report No.: RFBBUI-WTW-P23070201B design is as the following information:
 - ◆ Enable MRU function via software.
2. According to above condition, therefore only the RF Output Power, Power Spectral Density and Unwanted Emissions above 1 GHz test items need to be performed. And all data were verified to meet the requirements.
3. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology used for the EUT.

4. Simultaneously transmission combination.

1TX		
Combination	Technology	
	S0 (Chain 1)	S1 (Chain 0)
1	WLAN (5 GHz)_H	Bluetooth + WLAN (5 GHz)_L
2	WLAN (5 GHz)_L	Bluetooth + WLAN (5 GHz)_H
3	WLAN (5 GHz)_L	Bluetooth + WLAN (6 GHz)
4	WLAN (6 GHz)	Bluetooth + WLAN (5 GHz)_L
5	WLAN (6 GHz)	Bluetooth + WLAN (5 GHz)_H
6	WLAN (5 GHz)_H	Bluetooth + WLAN (6 GHz)
7	WLAN (2.4 GHz)	WLAN (5 GHz) Full
8	WLAN (2.4 GHz)	WLAN (6 GHz)
9	WLAN (5 GHz) Full	Bluetooth
10	WLAN (6 GHz)	Bluetooth
2TX		
1	WLAN (5 GHz)_L	WLAN (5 GHz)_L + Bluetooth
2	WLAN (5 GHz)_H	WLAN (5 GHz)_H + Bluetooth
3	WLAN (6 GHz)	WLAN (6 GHz) + Bluetooth

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

- The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
- The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Ant. Set	RF Port No.	Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	1/2	Chain0/1	REALTEK	RTK-ANT-0022	3.4	2.4~2.4835	PIFA	IPEX, MHF4	300
					5	5.15~5.895			
					5	5.925~7.125			
2	1/2	Chain0/1	ARISTOTLE	RFA-57-JP805-4B-300	-1.87	5.15~5.895	PIFA	IPEX, MHF4	300
					-1.88	5.925~7.125			
3	1/2	Chain0/1	HongBo	260-25096	3.11	2.4~2.4835	Monopole	MHF4L	300
					4.91	5.15~5.895			
					4.73	5.925~7.125			
4	1/2	Chain0/1	ARISTOTLE	RFA-27-C38H1-MHF4300	3	2.4~2.4835	Dipole	IPEX, MHF4	300
					5	5.15~5.895			
					5	5.925~7.125			

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

2. The EUT incorporates a MIMO function:

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	2TX / 1TX Diversity	2RX
802.11g	2TX / 1TX Diversity	2RX
802.11n (HT20)	2TX / 1TX Diversity	2RX
802.11n (HT40)	2TX / 1TX Diversity	2RX
VHT20	2TX / 1TX Diversity	2RX
VHT40	2TX / 1TX Diversity	2RX
802.11ax (HE20)	2TX / 1TX Diversity	2RX
802.11ax (HE40)	2TX / 1TX Diversity	2RX
802.11be (EHT20)	2TX / 1TX Diversity	2RX
802.11be (EHT40)	2TX / 1TX Diversity	2RX
802.11ax (RU26/52/106/242/484)	2TX / 1TX Diversity	2RX
802.11be (RU26/52/106/242/484 MRU52+26/106+26)	2TX / 1TX Diversity	2RX

Note:

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

3.3 Channel List

13 channels are provided for 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
1	2412 MHz	8	2447 MHz
2	2417 MHz	9	2452 MHz
3	2422 MHz	10	2457 MHz
4	2427 MHz	11	2462 MHz
5	2432 MHz	12	2467 MHz
6	2437 MHz	13	2472 MHz
7	2442 MHz		

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

Channel	Frequency	Channel	Frequency
3	2422 MHz	8	2447 MHz
4	2427 MHz	9	2452 MHz
5	2432 MHz	10	2457 MHz
6	2437 MHz	11	2462 MHz
7	2442 MHz		

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. MRU configuration supported in all bandwidths has been pre-tested to determine the worst-case representative of the report. 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.
Worst Case:	1. The worst case of MRU configuration: MRU 52+26 and MRU 106+26 in 20 MHz bandwidth

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

Test Item	EUT Configure Mode	Mode	Transmitter Configuration	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	MRU Index
RF Output Power	-	802.11be (EHT20) 52+26-tone MRU	1Tx / 2Tx	SISO / CDD & Beamforming	1, 13	BPSK	MCS0	1, 3
		802.11be (EHT20) 106+26-tone MRU			1, 13	BPSK	MCS0	1, 2
Power Spectral Density	-	802.11be (EHT20) 52+26-tone MRU	1Tx / 2Tx	SISO / CDD	1, 13	BPSK	MCS0	1, 3
		802.11be (EHT20) 106+26-tone MRU			1, 13	BPSK	MCS0	1, 2
Unwanted Emissions above 1 GHz	A, B, C	802.11be (EHT20) 52+26-tone MRU	1Tx / 2Tx	SISO / CDD	1, 13	BPSK	MCS0	1, 3
		802.11be (EHT20) 106+26-tone MRU			1, 13	BPSK	MCS0	1, 2
EUT Configure Mode:	A	PIFA Antenna						
	B	Monopole Antenna						
	C	Dipole Antenna						

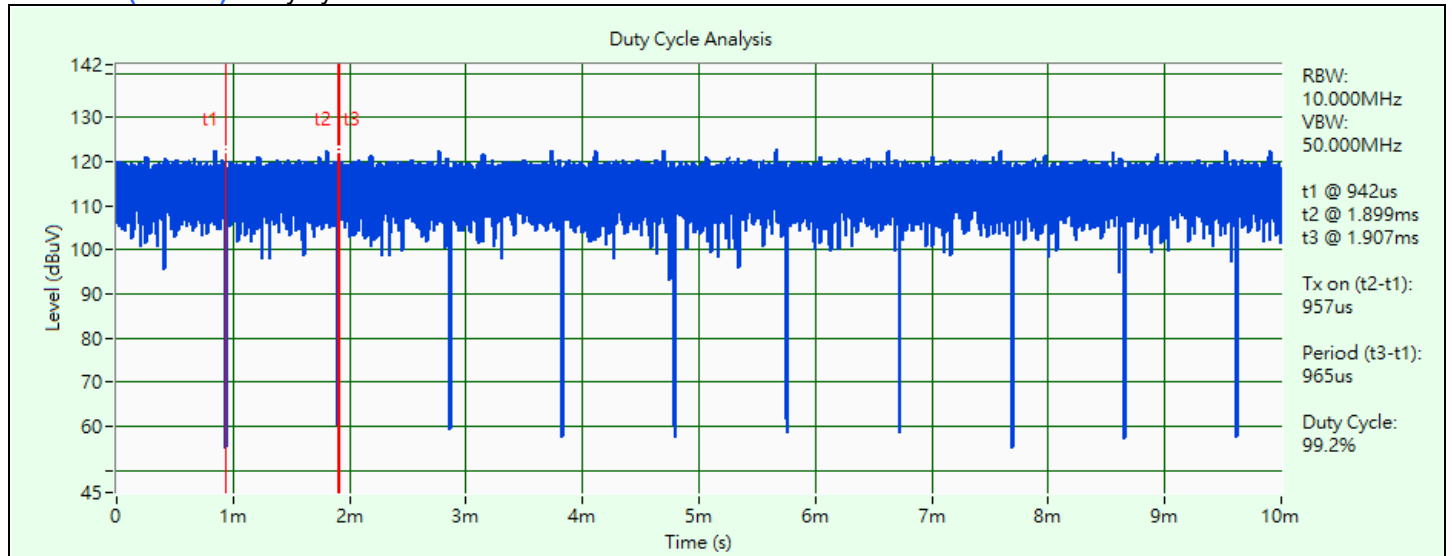
Note:

1. Channel puncturing and bandwidth reduction mechanisms are not supported.
2. In the original report:
 - i. The antenna of types the worst case was pre-test and found when positioned on (X / Y / Z axis):
 - PIFA antenna: Z axis;
 - Monopole antenna: X axis;
 - Dipole antenna: Z axis
 - ii. For 1Tx diversity configuration the worst chain is: Chain 0 (S1)

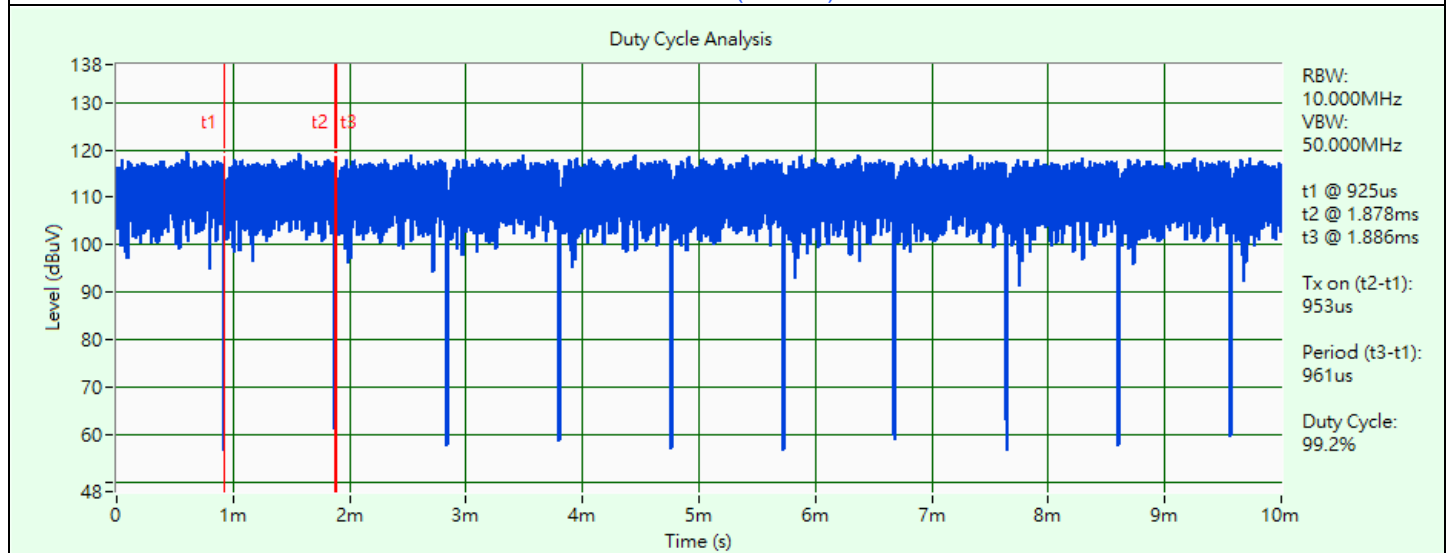
3.5 Duty Cycle of Test Signal

802.11be (EHT20): Duty cycle = 0.957 ms / 0.965 ms x 100% = 99.2%

802.11be (EHT40): Duty cycle = 0.953 ms / 0.961 ms x 100% = 99.2%



802.11be (EHT20)



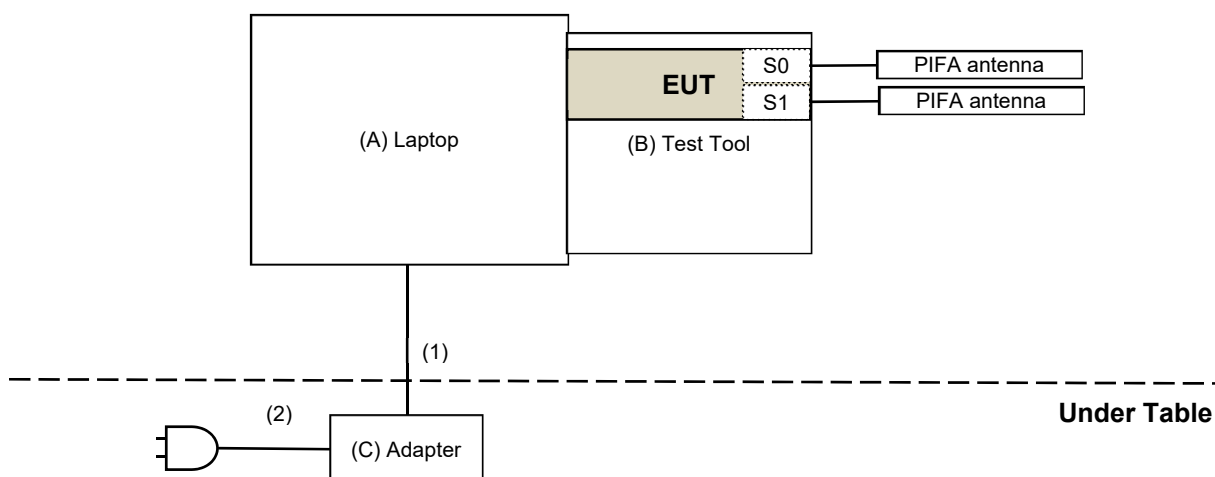
802.11be (EHT40)

3.6 Test Program Used and Operation Descriptions

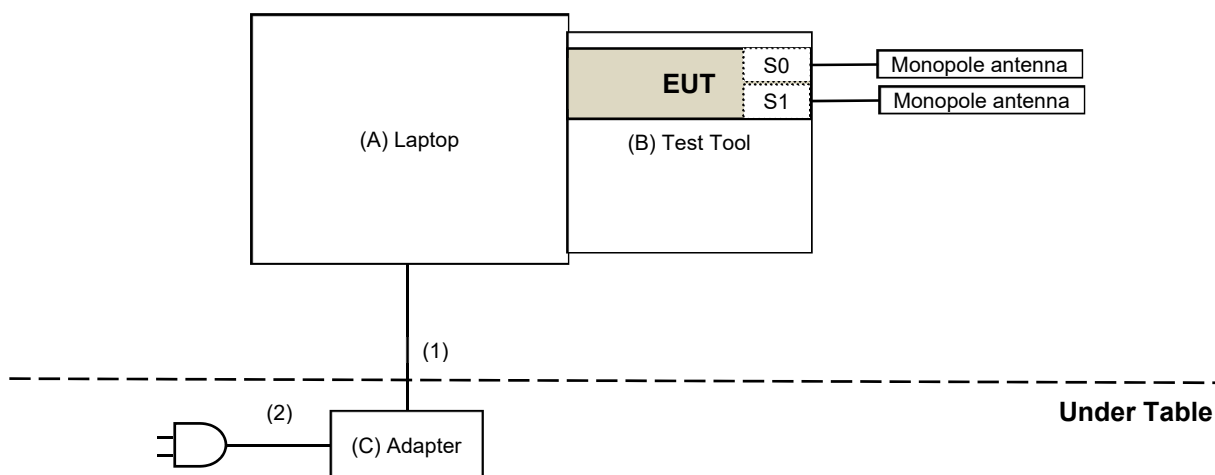
Controlling software (RTL8922A_PCIE_MP_Package_v2.0.39(153036)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

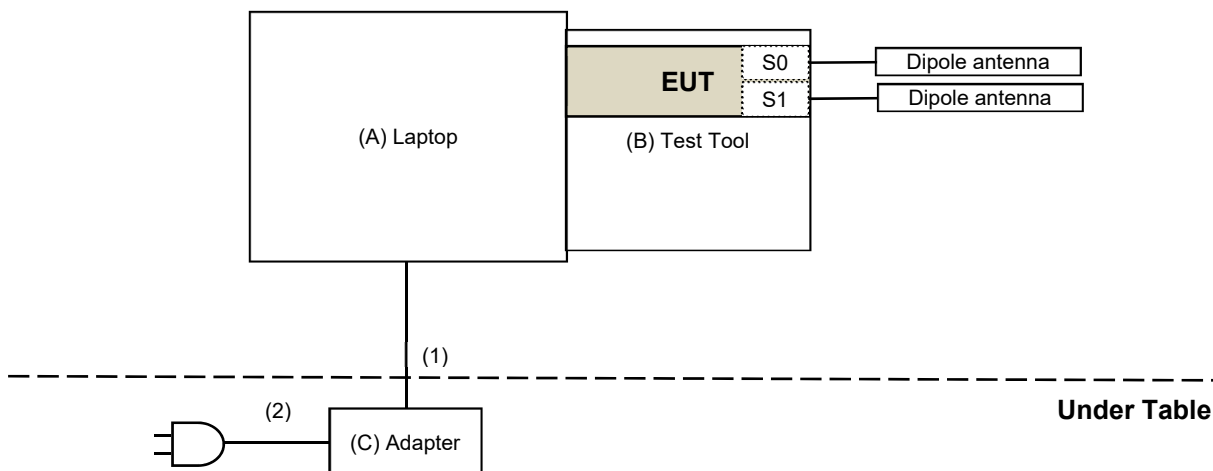
Mode A



Mode B:



Mode C:



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Dell	E5420	FHNS4S1	N/A	Provided by Lab
B	Test Tool	Realtek	NA	NA	N/A	Supplied by applicant
C	Adapter	Dell	LA65NM130	NA	N/A	Provided by Lab

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

4 Test Instruments

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

4.1 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: 2024/10/16 ~ 2024/10/18

4.2 Power Spectral Density

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: 2024/10/16 ~ 2024/10/18

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
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2023/11/12	2024/11/11
	BBHA 9170	9170-739	2023/11/12	2024/11/11
MXA Signal Analyzer Keysight	N9020B	MY60112410	2024/3/13	2025/3/12
Preamplifier EMCI	EMC12630SE	980688	2024/8/8	2025/8/7
	EMC184045SE	980387	2024/8/8	2025/8/7
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-1200	160922	2024/1/29	2025/1/28
	EMC104-SM-SM-2000	180502	2024/1/29	2025/1/28
	EMC104-SM-SM-6000	210704	2023/11/2 2024/10/30	2024/11/1 2025/10/29
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2024/8/28 ~ 2024/11/4

5 Limits of Test Items

5.1 RF Output Power

For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30 dBm)

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

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

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

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

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

5.2 Power Spectral Density

The Maximum of Power Spectral Density Measurement is 8 dBm in any 3 kHz.

5.3 Unwanted Emissions above 1 GHz

Radiated emissions above 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 30 dB below the highest level of the desired power:

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

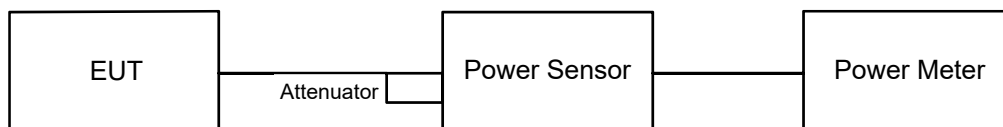
Notes:

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.

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



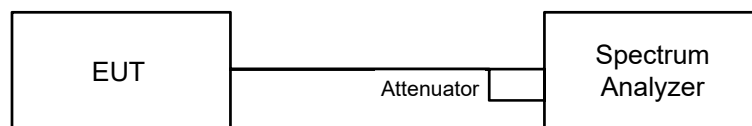
6.1.2 Test Procedure

Average Power:

Average power sensor was 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. Duty factor is not added to measured value.

6.2 Power Spectral Density

6.2.1 Test Setup



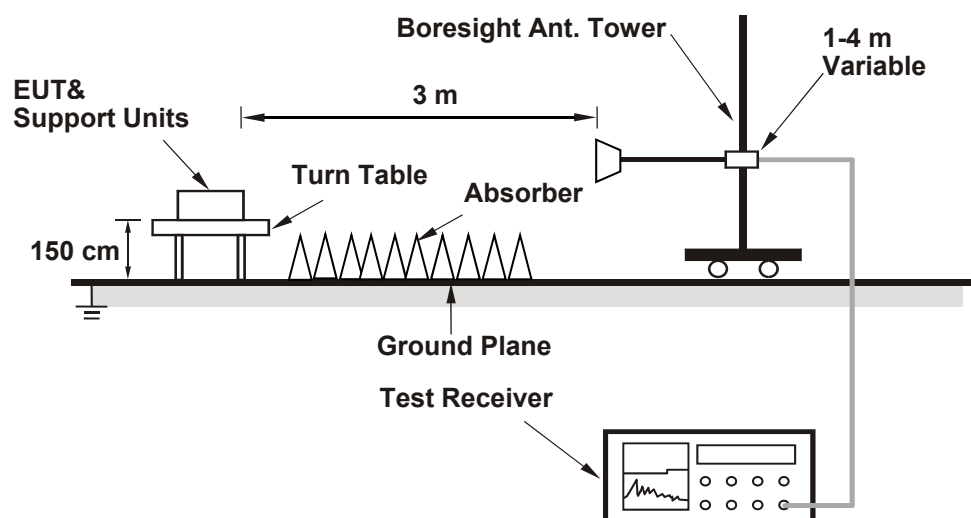
6.2.2 Test Procedure

- Measure the duty cycle (x).
- Set instrument center frequency to DTS channel center frequency.
- Set span to at least 1.5 times the OBW.
- Set RBW to: 3 kHz.
- Set VBW $\geq 3 \times$ RBW.
- Detector = power averaging (RMS) or sample detector (when RMS not available).
- Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW.
- Sweep time = auto couple.
- Do not use sweep triggering. Allow sweep to "free run".
- Employ trace averaging (RMS) mode over a minimum of 100 traces.
- Use the peak marker function to determine the maximum amplitude level.

Note: If Duty cycle < 98%, Add $10 \log (1/x)$, where x is the duty cycle measured in step (a), to the measured PSD to compute the average PSD during the actual transmission time.

6.3 Unwanted Emissions above 1 GHz

6.3.1 Test Setup



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

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 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	23°C, 63% RH	Tested By:	Sampson Chen
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1TX

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	25.645	14.09	30	Pass
13	2472	20.654	13.15	30	Pass

Note: The antenna gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	36.224	15.59	30	Pass
13	2472	28.576	14.56	30	Pass

Note: The antenna gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.

Input Power:	3.3 Vdc	Environmental Conditions:	23°C, 63% RH	Tested By:	Sampson Chen
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2TX

802.11be (EHT20) 52+26-tone MRU CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	13.24	13.34	42.664	16.30	30	Pass
13	2472	12.55	12.67	36.481	15.62	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	14.90	14.98	62.38	17.95	30	Pass
13	2472	11.52	11.56	28.512	14.55	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	13.24	13.34	42.664	16.30	29.59	Pass
13	2472	12.55	12.67	36.481	15.62	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.41-6) = 29.59 dBm.

802.11be (EHT20) 106+26-tone MRU Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	14.90	14.98	62.38	17.95	29.59	Pass
13	2472	11.52	11.56	28.512	14.55	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.41-6) = 29.59 dBm.

7.2 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	23°C, 63% RH	Tested By:	Sampson Chen
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1TX

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-12.82	8	Pass
13	2472	-14.21	8	Pass

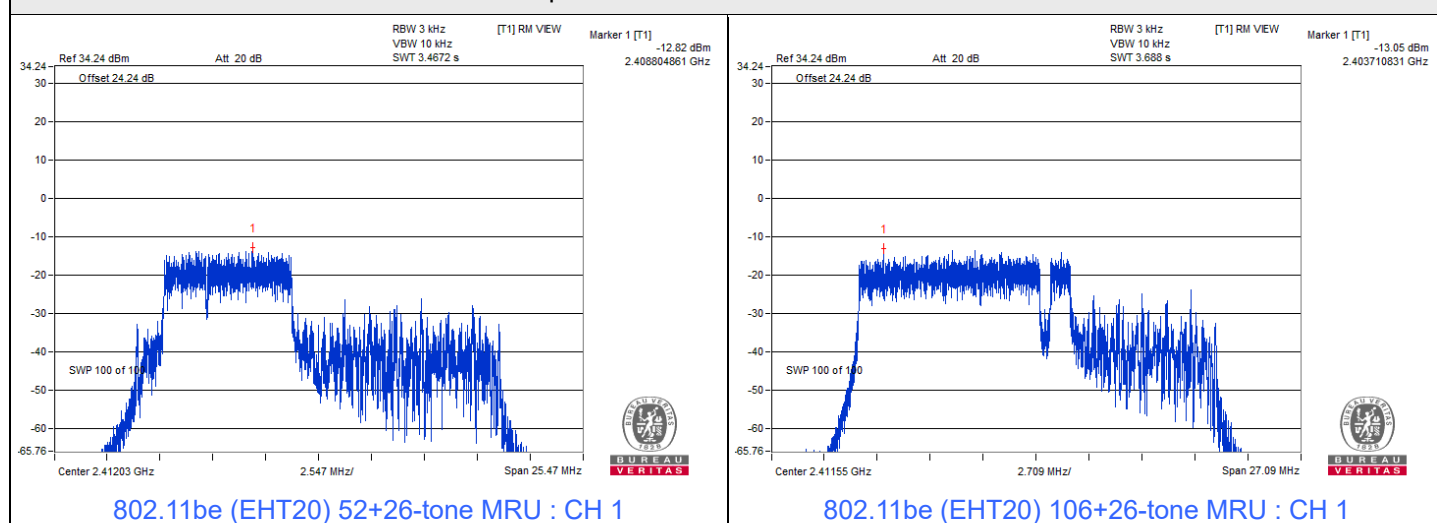
Note: The antenna gain is 3.4 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-13.05	8	Pass
13	2472	-14.54	8	Pass

Note: The antenna gain is 3.4 dBi < 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



Input Power:	3.3 Vdc	Environmental Conditions:	23°C, 63% RH	Tested By:	Sampson Chen
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2TX

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-14.66	-13.77	-11.18	7.59	Pass
13	2472	-14.78	-15.34	-12.04	7.59	Pass

Notes:

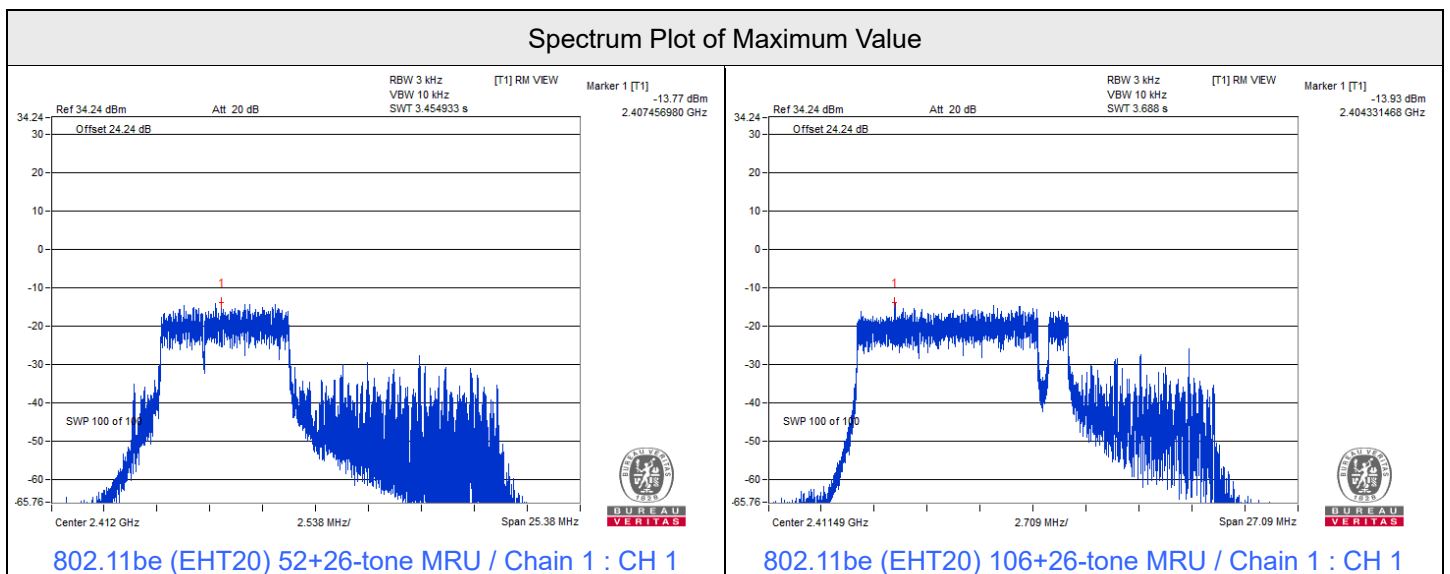
- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- The directional gain is 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.41-6) = 7.59$ dBm/3kHz.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-14.88	-13.93	-11.37	7.59	Pass
13	2472	-18.98	-20.50	-16.66	7.59	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- The directional gain is 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.41-6) = 7.59$ dBm/3kHz.



7.3 Unwanted Emissions above 1 GHz

1TX

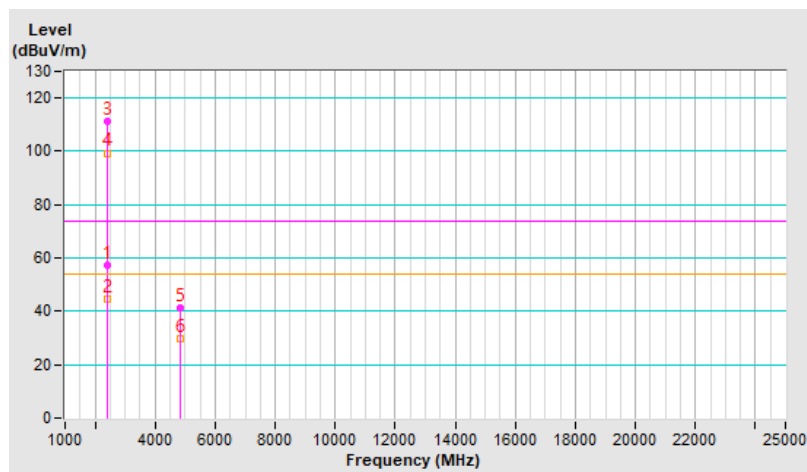
Mode A

RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.3 PK	74.0	-16.7	2.40 H	160	57.5	-0.2
2	2390.00	44.6 AV	54.0	-9.4	2.40 H	160	44.8	-0.2
3	*2412.00	111.3 PK			2.40 H	160	111.5	-0.2
4	*2412.00	99.4 AV			2.40 H	160	99.6	-0.2
5	4824.00	41.1 PK	74.0	-32.9	1.06 H	168	36.5	4.6
6	4824.00	29.5 AV	54.0	-24.5	1.06 H	168	24.9	4.6

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.

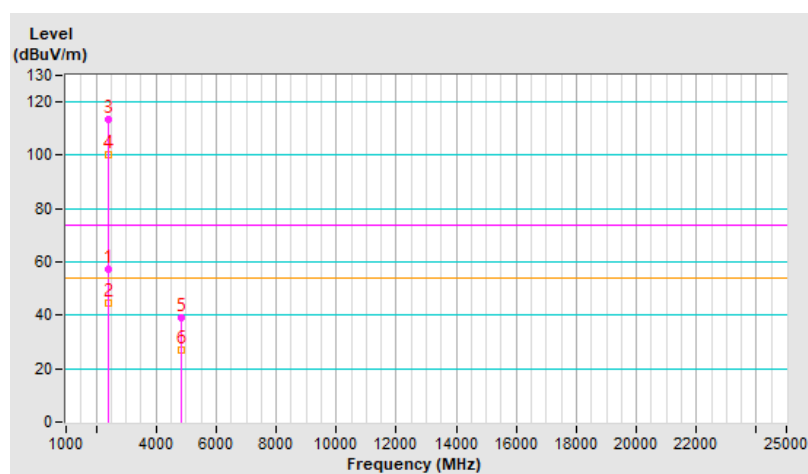


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.1 PK	74.0	-16.9	1.48 V	352	57.3	-0.2
2	2390.00	44.4 AV	54.0	-9.6	1.48 V	352	44.6	-0.2
3	*2412.00	113.5 PK			1.48 V	352	113.7	-0.2
4	*2412.00	100.0 AV			1.48 V	352	100.2	-0.2
5	4824.00	39.2 PK	74.0	-34.8	1.50 V	144	34.6	4.6
6	4824.00	27.2 AV	54.0	-26.8	1.50 V	144	22.6	4.6

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.

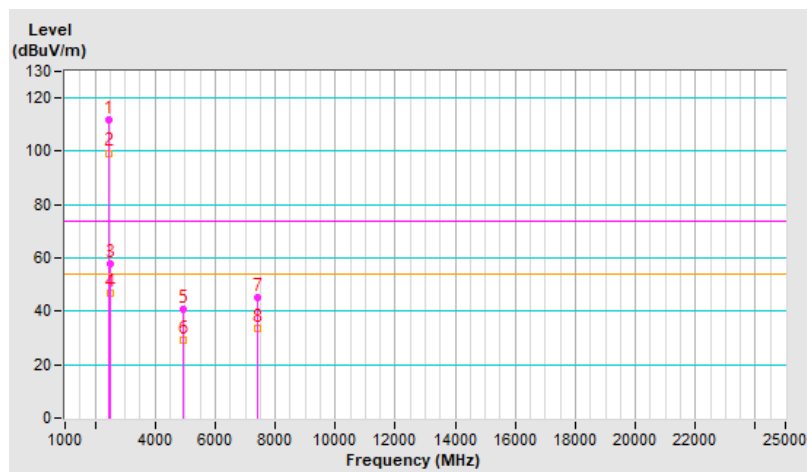


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	111.8 PK			2.52 H	162	111.9	-0.1
2	*2472.00	99.4 AV			2.52 H	162	99.5	-0.1
3	2483.50	57.8 PK	74.0	-16.2	2.52 H	162	57.9	-0.1
4	2483.50	46.9 AV	54.0	-7.1	2.52 H	162	47.0	-0.1
5	4944.00	40.5 PK	74.0	-33.5	2.17 H	172	35.6	4.9
6	4944.00	29.1 AV	54.0	-24.9	2.17 H	172	24.2	4.9
7	7416.00	45.1 PK	74.0	-28.9	1.77 H	114	33.0	12.1
8	7416.00	33.4 AV	54.0	-20.6	1.77 H	114	21.3	12.1

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.

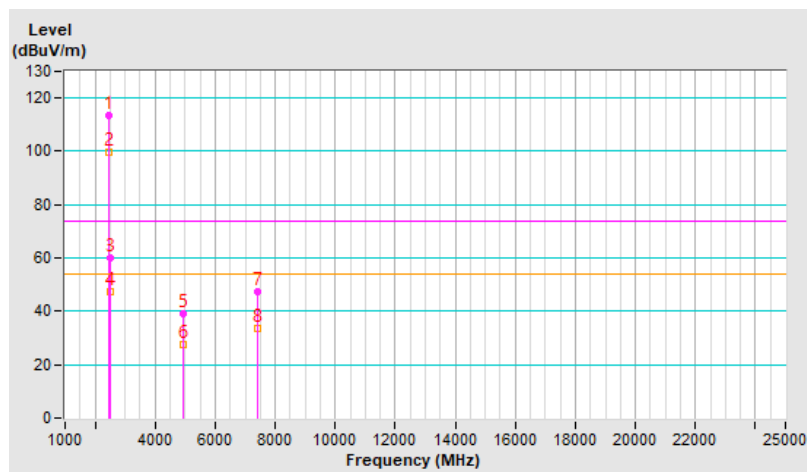


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	113.2 PK			1.28 V	5	113.3	-0.1
2	*2472.00	99.8 AV			1.28 V	5	99.9	-0.1
3	2483.50	59.8 PK	74.0	-14.2	1.28 V	5	59.9	-0.1
4	2483.50	47.6 AV	54.0	-6.4	1.28 V	5	47.7	-0.1
5	4944.00	39.0 PK	74.0	-35.0	2.96 V	283	34.1	4.9
6	4944.00	27.6 AV	54.0	-26.4	2.96 V	283	22.7	4.9
7	7416.00	47.2 PK	74.0	-26.8	1.42 V	116	35.1	12.1
8	7416.00	33.7 AV	54.0	-20.3	1.42 V	116	21.6	12.1

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.

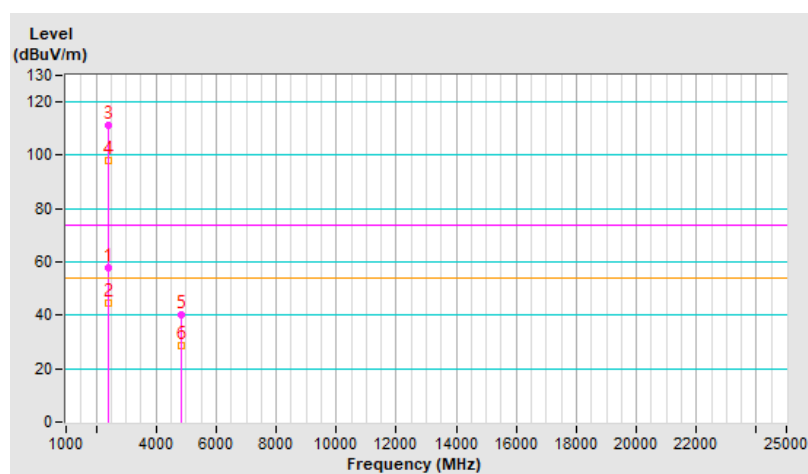


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.8 PK	74.0	-16.2	2.39 H	162	58.0	-0.2
2	2390.00	44.8 AV	54.0	-9.2	2.39 H	162	45.0	-0.2
3	*2412.00	111.0 PK			2.39 H	162	111.2	-0.2
4	*2412.00	98.1 AV			2.39 H	162	98.3	-0.2
5	4824.00	40.2 PK	74.0	-33.8	1.10 H	172	35.6	4.6
6	4824.00	28.8 AV	54.0	-25.2	1.10 H	172	24.2	4.6

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.

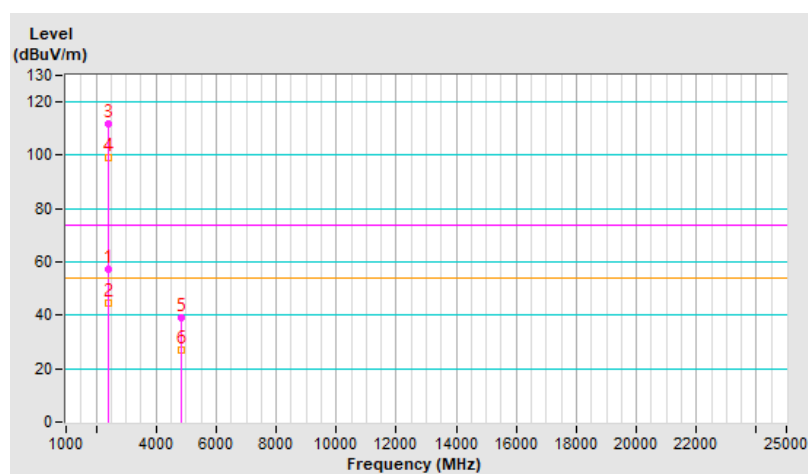


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.1 PK	74.0	-16.9	1.50 V	352	57.3	-0.2
2	2390.00	44.7 AV	54.0	-9.3	1.50 V	352	44.9	-0.2
3	*2412.00	112.0 PK			1.50 V	352	112.2	-0.2
4	*2412.00	98.9 AV			1.50 V	352	99.1	-0.2
5	4824.00	39.2 PK	74.0	-34.8	1.46 V	154	34.6	4.6
6	4824.00	26.9 AV	54.0	-27.1	1.46 V	154	22.3	4.6

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.

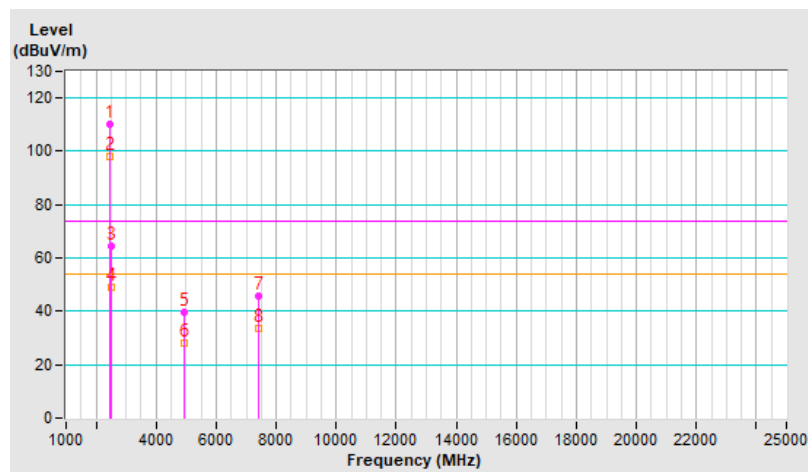


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	110.4 PK			2.51 H	163	110.5	-0.1
2	*2472.00	98.2 AV			2.51 H	163	98.3	-0.1
3	2483.50	64.3 PK	74.0	-9.7	2.51 H	163	64.4	-0.1
4	2483.50	49.0 AV	54.0	-5.0	2.51 H	163	49.1	-0.1
5	4944.00	39.6 PK	74.0	-34.4	2.20 H	170	34.7	4.9
6	4944.00	28.2 AV	54.0	-25.8	2.20 H	170	23.3	4.9
7	7416.00	45.6 PK	74.0	-28.4	1.80 H	119	33.5	12.1
8	7416.00	33.5 AV	54.0	-20.5	1.80 H	119	21.4	12.1

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.

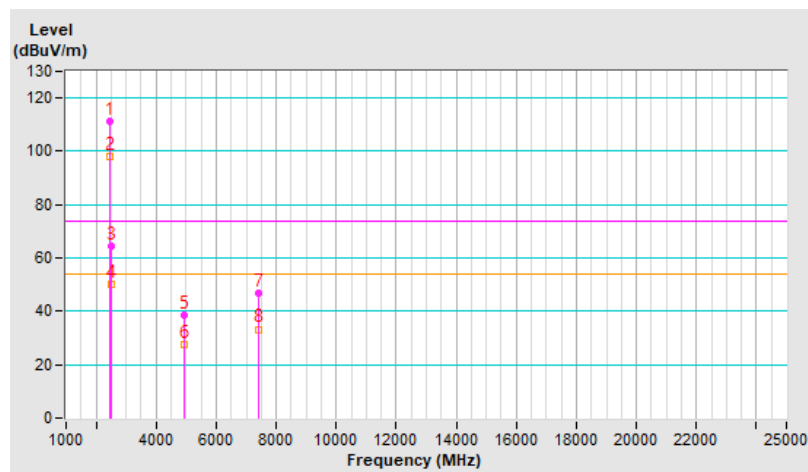


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	111.4 PK			1.30 V	4	111.5	-0.1
2	*2472.00	98.2 AV			1.30 V	4	98.3	-0.1
3	2483.50	64.5 PK	74.0	-9.5	1.30 V	4	64.6	-0.1
4	2483.50	50.0 AV	54.0	-4.0	1.30 V	4	50.1	-0.1
5	4944.00	38.7 PK	74.0	-35.3	2.98 V	290	33.8	4.9
6	4944.00	27.4 AV	54.0	-26.6	2.98 V	290	22.5	4.9
7	7416.00	46.8 PK	74.0	-27.2	1.39 V	122	34.7	12.1
8	7416.00	33.3 AV	54.0	-20.7	1.39 V	122	21.2	12.1

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.



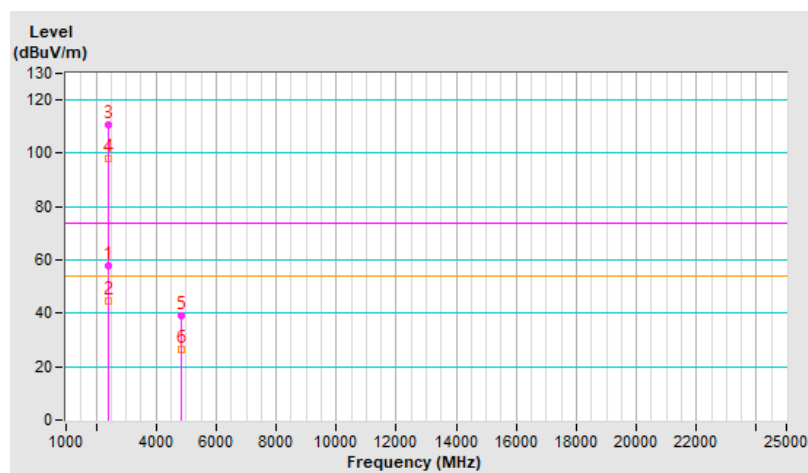
Mode B

RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.6 PK	74.0	-16.4	1.24 H	151	57.8	-0.2
2	2390.00	44.8 AV	54.0	-9.2	1.24 H	151	45.0	-0.2
3	*2412.00	110.5 PK			1.24 H	151	110.7	-0.2
4	*2412.00	98.1 AV			1.24 H	151	98.3	-0.2
5	4824.00	38.9 PK	74.0	-35.1	1.09 H	136	34.3	4.6
6	4824.00	26.3 AV	54.0	-27.7	1.09 H	136	21.7	4.6

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.

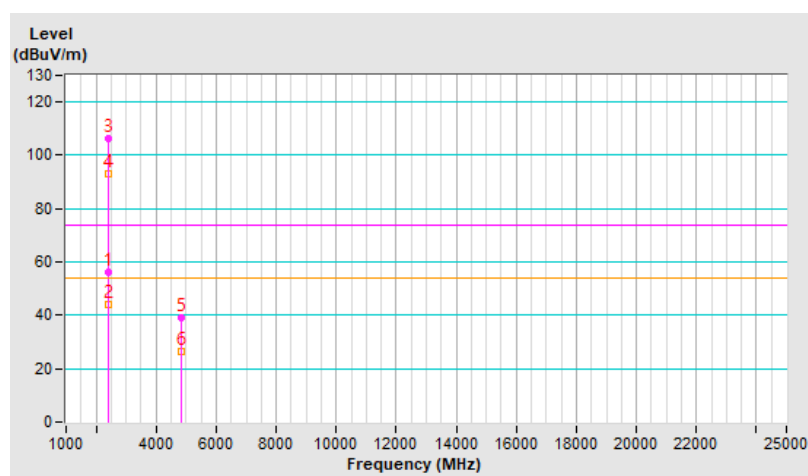


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	56.1 PK	74.0	-17.9	2.84 V	200	56.3	-0.2
2	2390.00	44.2 AV	54.0	-9.8	2.84 V	200	44.4	-0.2
3	*2412.00	106.3 PK			2.84 V	200	106.5	-0.2
4	*2412.00	93.3 AV			2.84 V	200	93.5	-0.2
5	4824.00	39.3 PK	74.0	-34.7	1.30 V	292	34.7	4.6
6	4824.00	26.4 AV	54.0	-27.6	1.30 V	292	21.8	4.6

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.

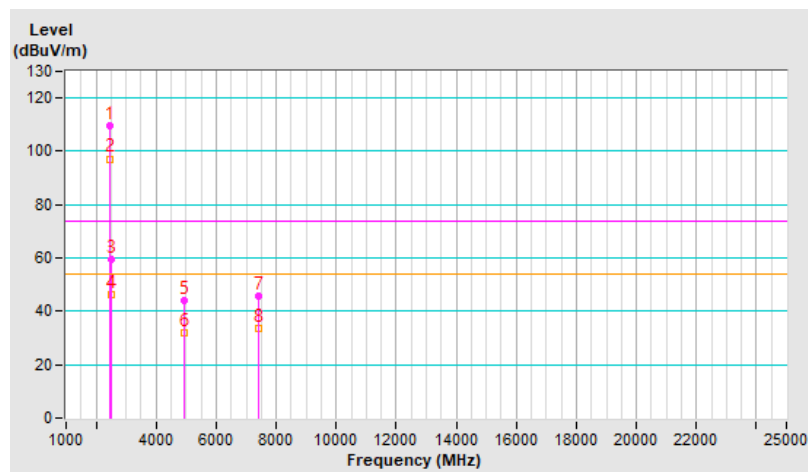


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	109.6 PK			1.25 H	160	109.7	-0.1
2	*2472.00	97.2 AV			1.25 H	160	97.3	-0.1
3	2483.50	59.3 PK	74.0	-14.7	1.25 H	160	59.4	-0.1
4	2483.50	46.3 AV	54.0	-7.7	1.25 H	160	46.4	-0.1
5	4944.00	43.8 PK	74.0	-30.2	1.12 H	128	38.9	4.9
6	4944.00	32.0 AV	54.0	-22.0	1.12 H	128	27.1	4.9
7	7416.00	45.5 PK	74.0	-28.5	1.34 H	124	33.4	12.1
8	7416.00	33.5 AV	54.0	-20.5	1.34 H	124	21.4	12.1

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.

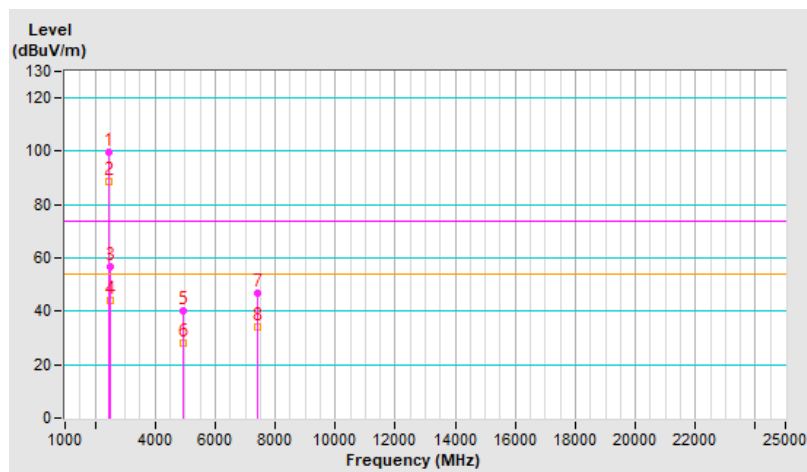


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	99.6 PK			2.12 V	214	99.7	-0.1
2	*2472.00	88.8 AV			2.12 V	214	88.9	-0.1
3	2483.50	56.8 PK	74.0	-17.2	2.12 V	214	56.9	-0.1
4	2483.50	43.9 AV	54.0	-10.1	2.12 V	214	44.0	-0.1
5	4944.00	40.4 PK	74.0	-33.6	1.28 V	286	35.5	4.9
6	4944.00	28.3 AV	54.0	-25.7	1.28 V	286	23.4	4.9
7	7416.00	46.8 PK	74.0	-27.2	2.29 V	137	34.7	12.1
8	7416.00	34.0 AV	54.0	-20.0	2.29 V	137	21.9	12.1

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.

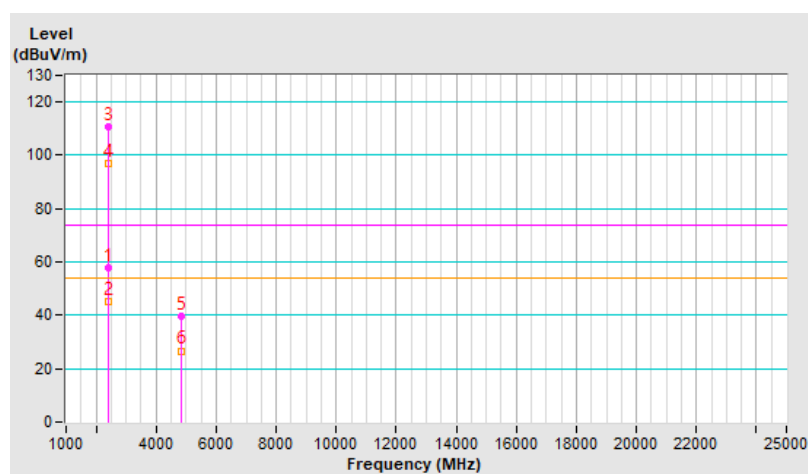


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.9 PK	74.0	-16.1	1.05 H	148	58.1	-0.2
2	2390.00	45.0 AV	54.0	-9.0	1.05 H	148	45.2	-0.2
3	*2412.00	110.5 PK			1.05 H	148	110.7	-0.2
4	*2412.00	97.0 AV			1.05 H	148	97.2	-0.2
5	4824.00	39.8 PK	74.0	-34.2	1.08 H	123	35.2	4.6
6	4824.00	26.7 AV	54.0	-27.3	1.08 H	123	22.1	4.6

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.

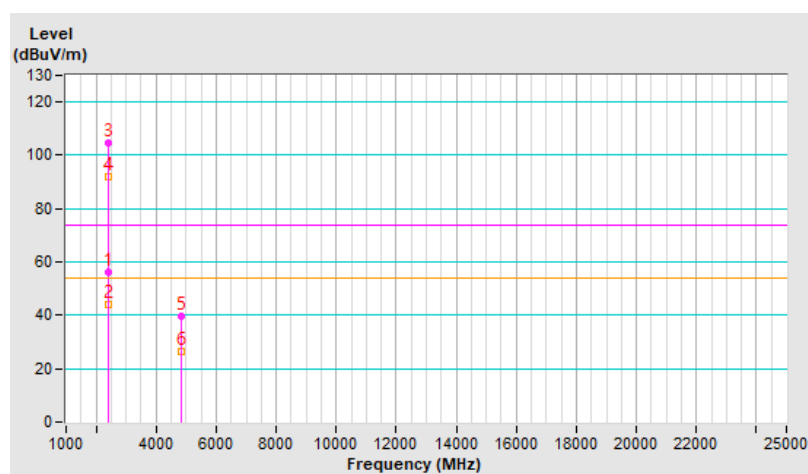


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	56.4 PK	74.0	-17.6	2.85 V	201	56.6	-0.2
2	2390.00	44.2 AV	54.0	-9.8	2.85 V	201	44.4	-0.2
3	*2412.00	104.5 PK			2.85 V	201	104.7	-0.2
4	*2412.00	92.2 AV			2.85 V	201	92.4	-0.2
5	4824.00	39.4 PK	74.0	-34.6	1.27 V	292	34.8	4.6
6	4824.00	26.3 AV	54.0	-27.7	1.27 V	292	21.7	4.6

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.

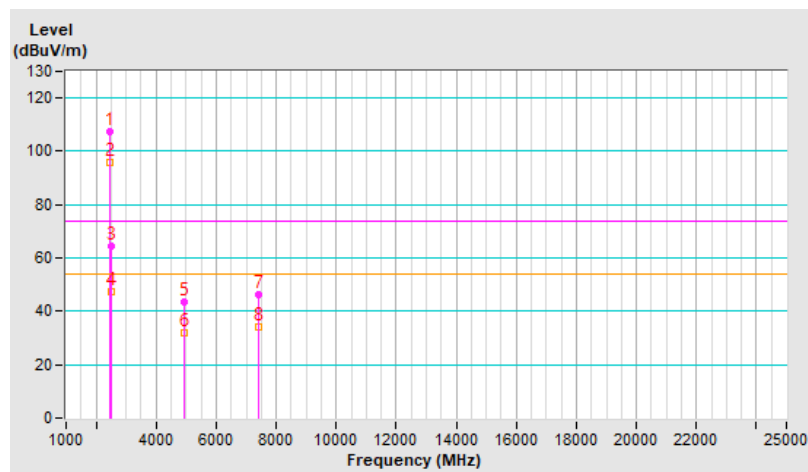


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	107.5 PK			1.25 H	162	107.6	-0.1
2	*2472.00	95.7 AV			1.25 H	162	95.8	-0.1
3	2483.50	64.6 PK	74.0	-9.4	1.25 H	162	64.7	-0.1
4	2483.50	47.6 AV	54.0	-6.4	1.25 H	162	47.7	-0.1
5	4944.00	43.5 PK	74.0	-30.5	1.13 H	137	38.6	4.9
6	4944.00	31.8 AV	54.0	-22.2	1.13 H	137	26.9	4.9
7	7416.00	46.1 PK	74.0	-27.9	1.39 H	114	34.0	12.1
8	7416.00	33.9 AV	54.0	-20.1	1.39 H	114	21.8	12.1

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.

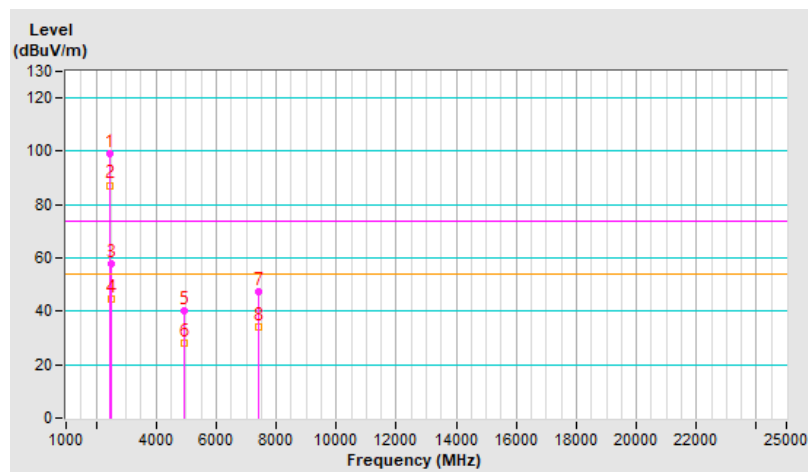


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	99.0 PK			2.10 V	207	99.1	-0.1
2	*2472.00	87.3 AV			2.10 V	207	87.4	-0.1
3	2483.50	57.9 PK	74.0	-16.1	2.10 V	207	58.0	-0.1
4	2483.50	44.5 AV	54.0	-9.5	2.10 V	207	44.6	-0.1
5	4944.00	40.3 PK	74.0	-33.7	1.23 V	285	35.4	4.9
6	4944.00	28.1 AV	54.0	-25.9	1.23 V	285	23.2	4.9
7	7416.00	47.4 PK	74.0	-26.6	2.25 V	129	35.3	12.1
8	7416.00	34.3 AV	54.0	-19.7	2.25 V	129	22.2	12.1

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.



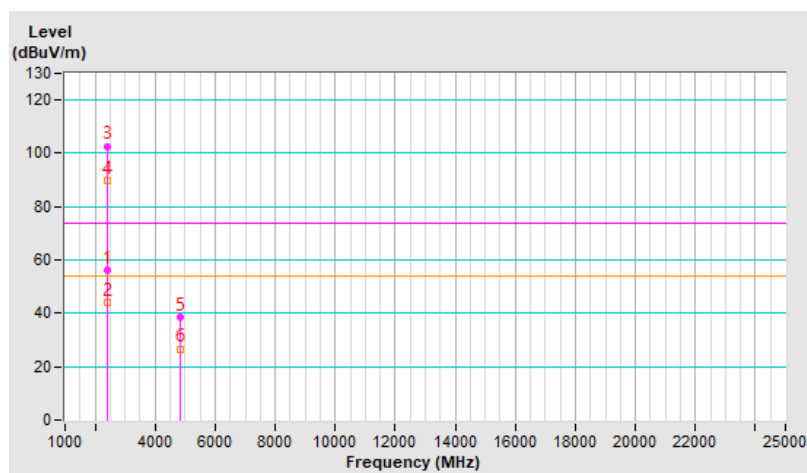
Mode C

RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	56.2 PK	74.0	-17.8	1.39 H	238	56.4	-0.2
2	2390.00	43.8 AV	54.0	-10.2	1.39 H	238	44.0	-0.2
3	*2412.00	102.7 PK			1.39 H	238	102.9	-0.2
4	*2412.00	89.9 AV			1.39 H	238	90.1	-0.2
5	4824.00	38.6 PK	74.0	-35.4	1.49 H	358	34.0	4.6
6	4824.00	26.7 AV	54.0	-27.3	1.49 H	358	22.1	4.6

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.

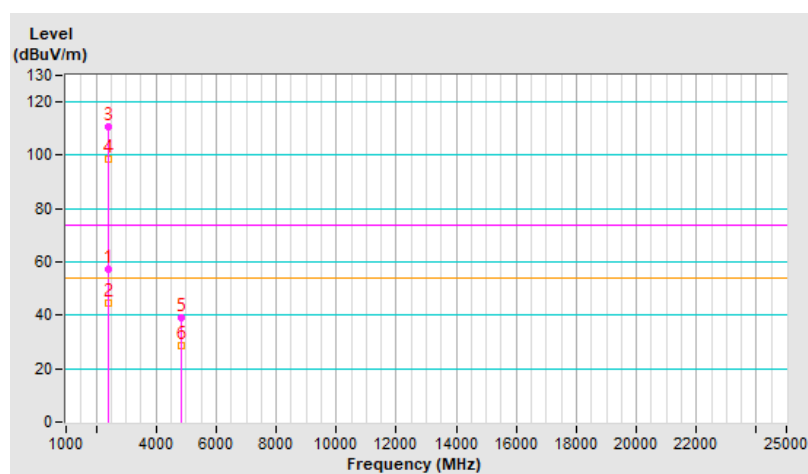


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.2 PK	74.0	-16.8	1.50 V	15	57.4	-0.2
2	2390.00	44.4 AV	54.0	-9.6	1.50 V	15	44.6	-0.2
3	*2412.00	110.5 PK			1.50 V	15	110.7	-0.2
4	*2412.00	98.8 AV			1.50 V	15	99.0	-0.2
5	4824.00	39.0 PK	74.0	-35.0	1.12 V	88	34.4	4.6
6	4824.00	28.5 AV	54.0	-25.5	1.12 V	88	23.9	4.6

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.

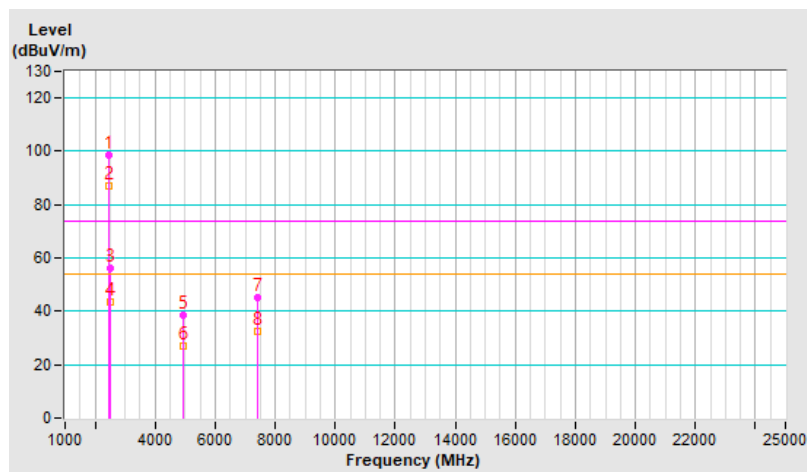


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	98.7 PK			1.19 H	240	98.8	-0.1
2	*2472.00	86.9 AV			1.19 H	240	87.0	-0.1
3	2483.50	56.0 PK	74.0	-18.0	1.19 H	240	56.1	-0.1
4	2483.50	43.7 AV	54.0	-10.3	1.19 H	240	43.8	-0.1
5	4944.00	38.6 PK	74.0	-35.4	1.44 H	345	33.7	4.9
6	4944.00	27.0 AV	54.0	-27.0	1.44 H	345	22.1	4.9
7	7416.00	45.0 PK	74.0	-29.0	1.52 H	358	32.9	12.1
8	7416.00	32.5 AV	54.0	-21.5	1.52 H	358	20.4	12.1

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.

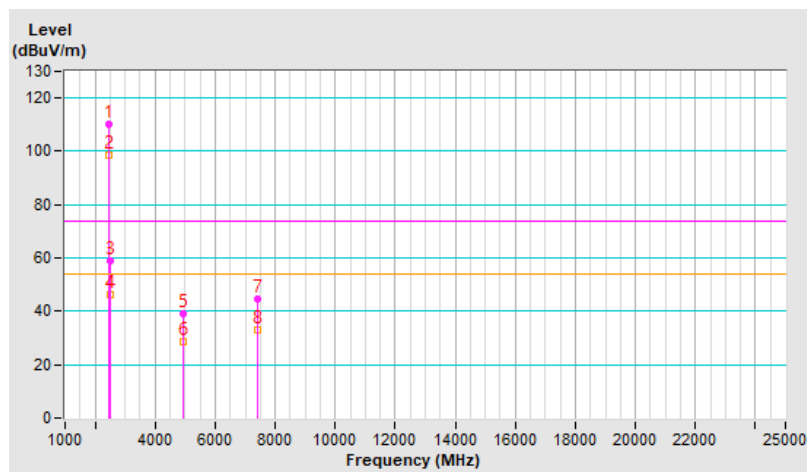


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	110.0 PK			1.29 V	244	110.1	-0.1
2	*2472.00	98.4 AV			1.29 V	244	98.5	-0.1
3	2483.50	59.0 PK	74.0	-15.0	1.29 V	244	59.1	-0.1
4	2483.50	46.0 AV	54.0	-8.0	1.29 V	244	46.1	-0.1
5	4944.00	39.2 PK	74.0	-34.8	1.18 V	84	34.3	4.9
6	4944.00	28.6 AV	54.0	-25.4	1.18 V	84	23.7	4.9
7	7416.00	44.7 PK	74.0	-29.3	1.41 V	101	32.6	12.1
8	7416.00	32.9 AV	54.0	-21.1	1.41 V	101	20.8	12.1

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.

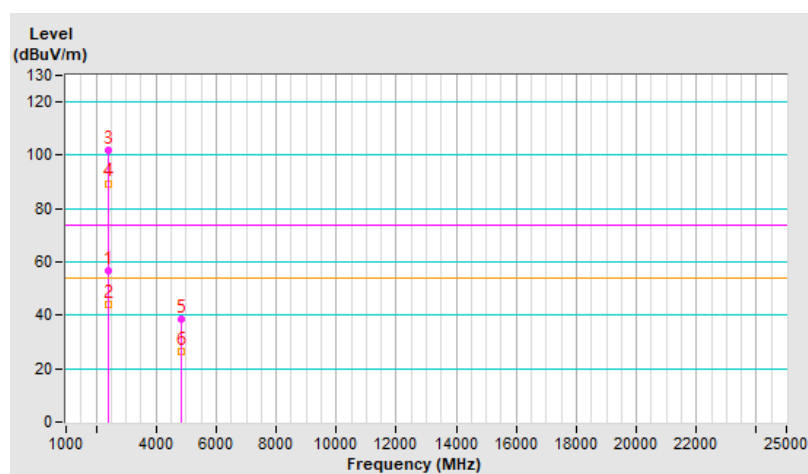


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	56.9 PK	74.0	-17.1	1.37 H	238	57.1	-0.2
2	2390.00	43.9 AV	54.0	-10.1	1.37 H	238	44.1	-0.2
3	*2412.00	101.7 PK			1.37 H	238	101.9	-0.2
4	*2412.00	89.5 AV			1.37 H	238	89.7	-0.2
5	4824.00	38.5 PK	74.0	-35.5	1.46 H	352	33.9	4.6
6	4824.00	26.6 AV	54.0	-27.4	1.46 H	352	22.0	4.6

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.

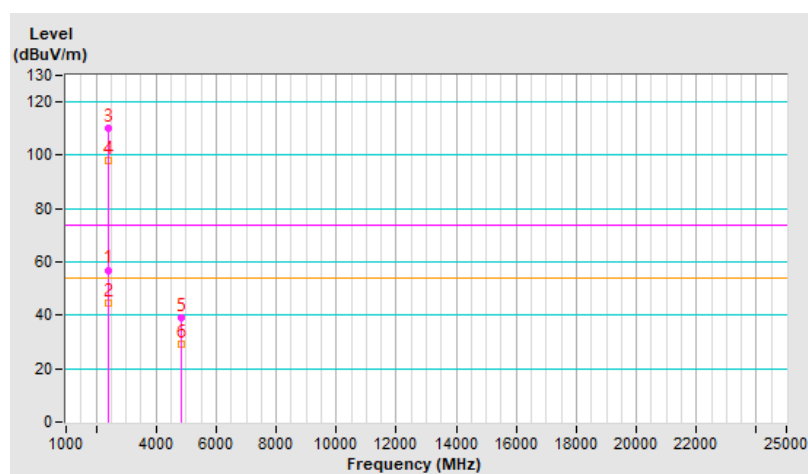


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	2390.00	57.0 PK	74.0	-17.0	1.50 V	14	57.2	-0.2
2	2390.00	44.7 AV	54.0	-9.3	1.50 V	14	44.9	-0.2
3	*2412.00	110.0 PK			1.50 V	14	110.2	-0.2
4	*2412.00	98.2 AV			1.50 V	14	98.4	-0.2
5	4824.00	39.3 PK	74.0	-34.7	1.14 V	79	34.7	4.6
6	4824.00	29.0 AV	54.0	-25.0	1.14 V	79	24.4	4.6

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.

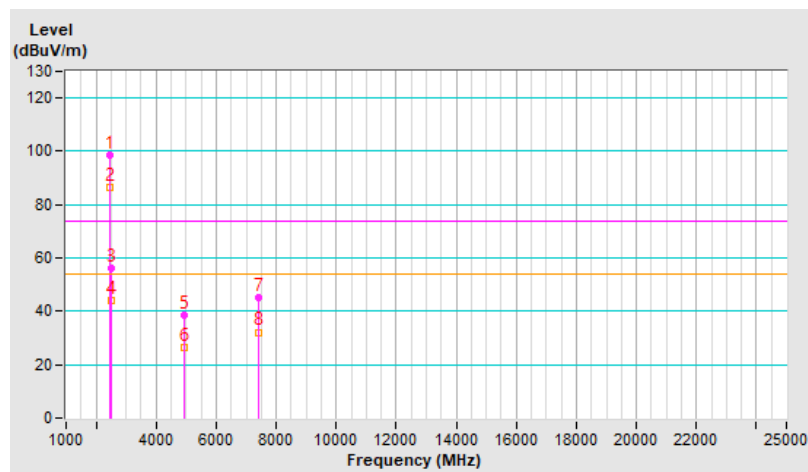


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	98.4 PK			1.18 H	239	98.5	-0.1
2	*2472.00	86.5 AV			1.18 H	239	86.6	-0.1
3	2483.50	56.2 PK	74.0	-17.8	1.18 H	239	56.3	-0.1
4	2483.50	44.1 AV	54.0	-9.9	1.18 H	239	44.2	-0.1
5	4944.00	38.4 PK	74.0	-35.6	1.52 H	345	33.5	4.9
6	4944.00	26.5 AV	54.0	-27.5	1.52 H	345	21.6	4.9
7	7416.00	45.0 PK	74.0	-29.0	1.51 H	352	32.9	12.1
8	7416.00	32.2 AV	54.0	-21.8	1.51 H	352	20.1	12.1

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.

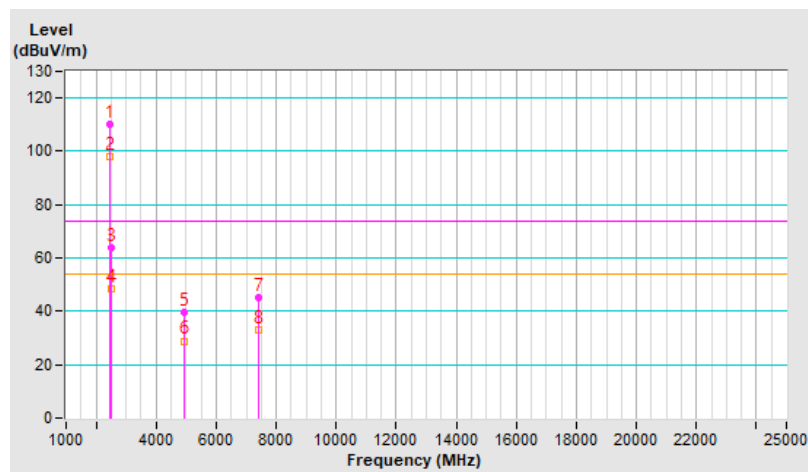


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Sampson Chen		

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	*2472.00	110.2 PK			1.28 V	245	110.3	-0.1
2	*2472.00	98.2 AV			1.28 V	245	98.3	-0.1
3	2483.50	63.7 PK	74.0	-10.3	1.28 V	245	63.8	-0.1
4	2483.50	48.6 AV	54.0	-5.4	1.28 V	245	48.7	-0.1
5	4944.00	39.4 PK	74.0	-34.6	1.13 V	91	34.5	4.9
6	4944.00	28.9 AV	54.0	-25.1	1.13 V	91	24.0	4.9
7	7416.00	44.9 PK	74.0	-29.1	1.40 V	100	32.8	12.1
8	7416.00	33.2 AV	54.0	-20.8	1.40 V	100	21.1	12.1

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.

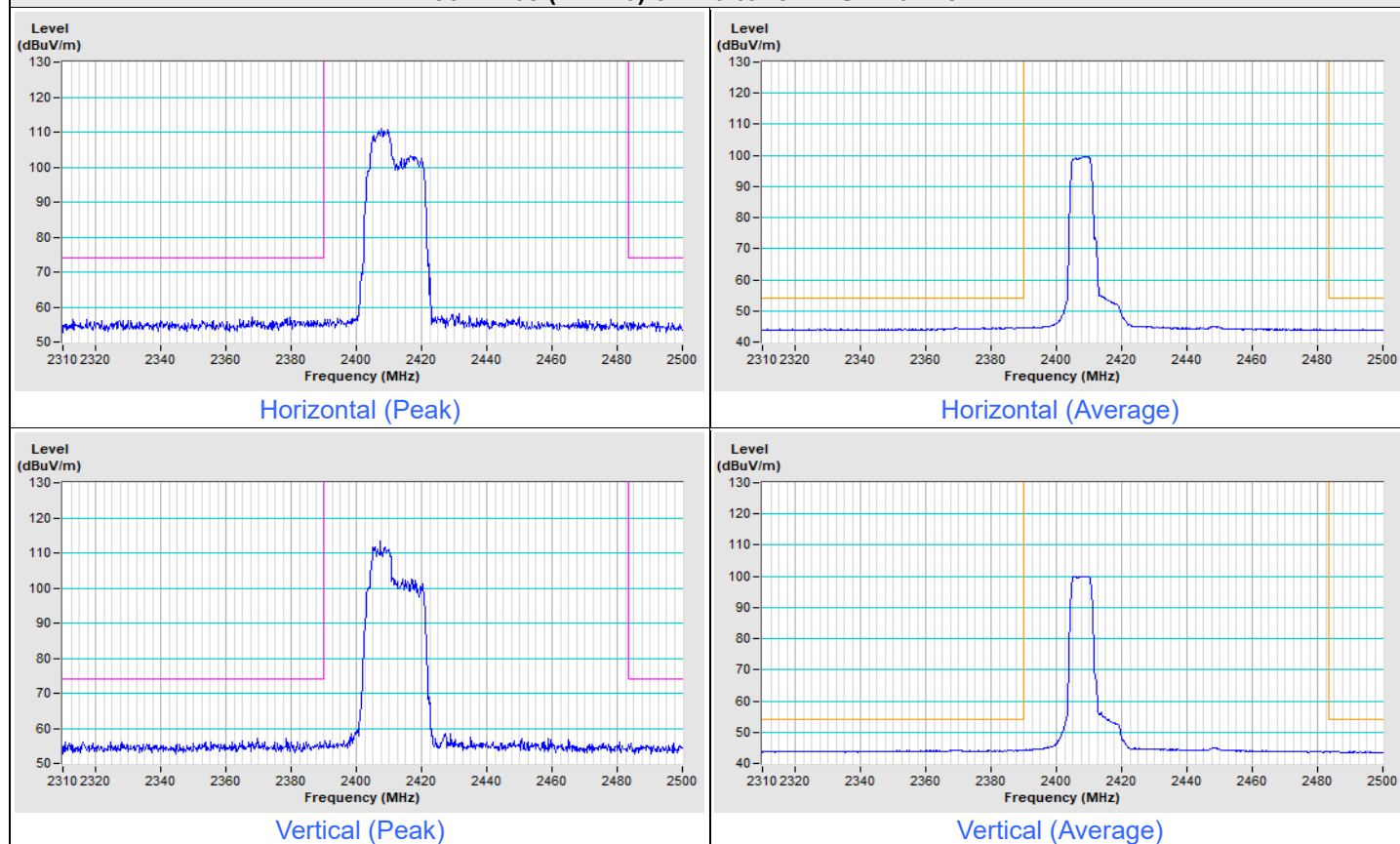


Plot of Band Edge

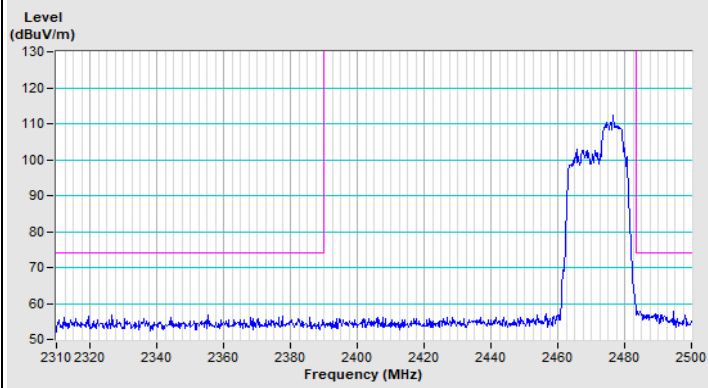
Mode A

Frequency Range	2.31 GHz ~ 2.5 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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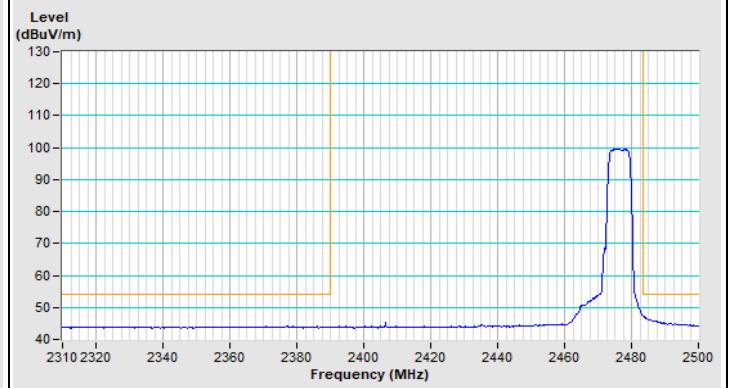
802.11be (EHT20) 52+26-tone MRU Channel 1



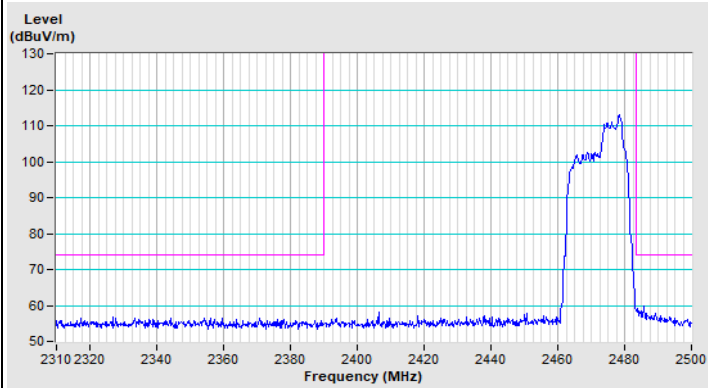
802.11be (EHT20) 52+26-tone MRU Channel 13



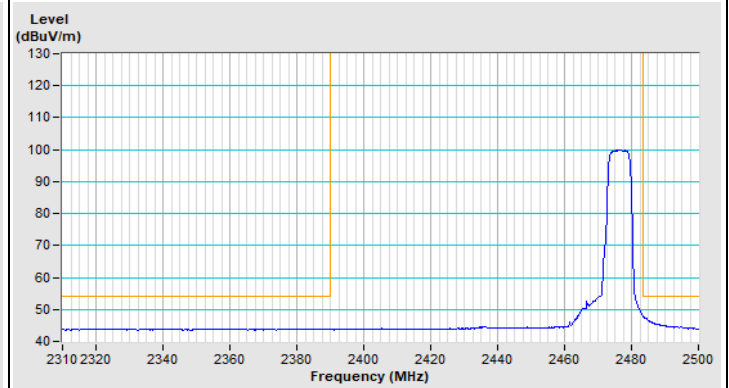
Horizontal (Peak)



Horizontal (Average)



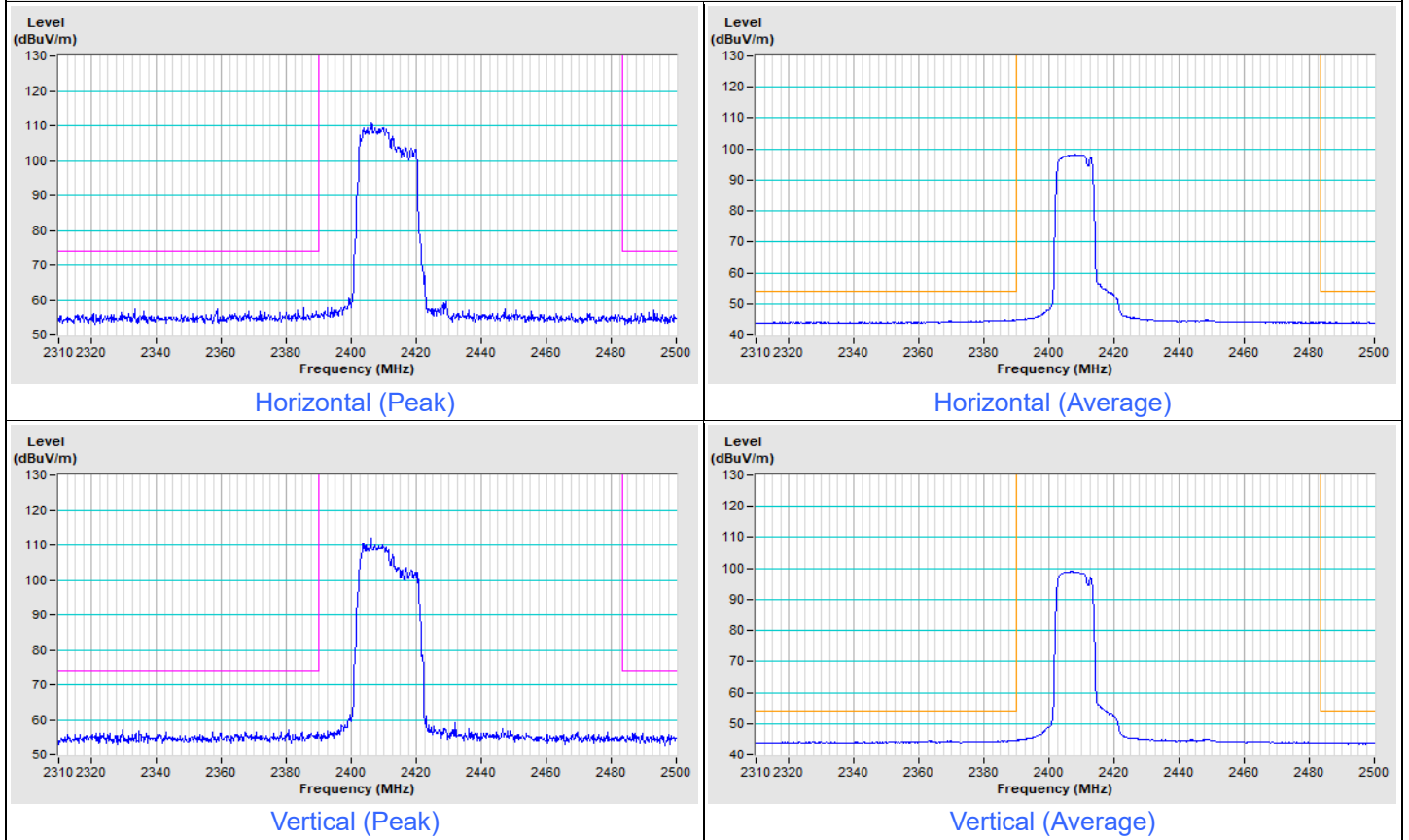
Vertical (Peak)



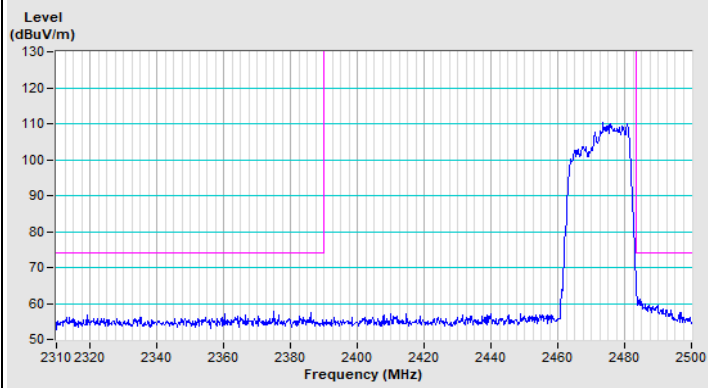
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 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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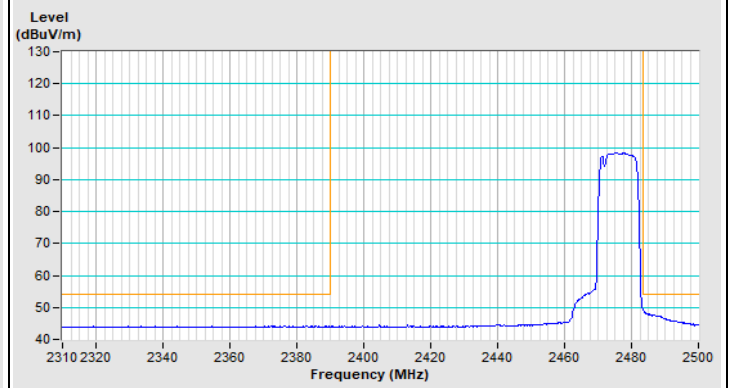
802.11be (EHT20) 106+26-tone MRU Channel 1



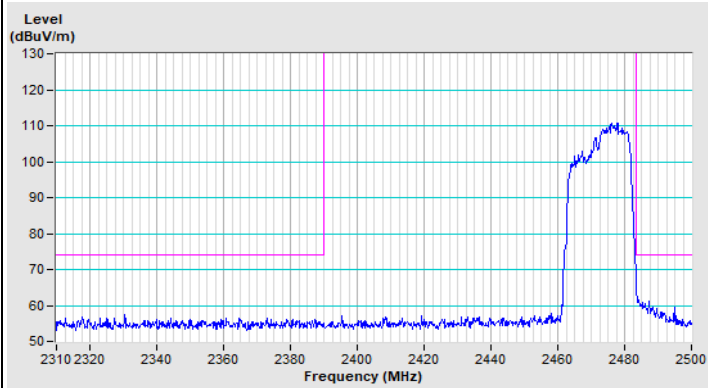
802.11be (EHT20) 106+26-tone MRU Channel 13



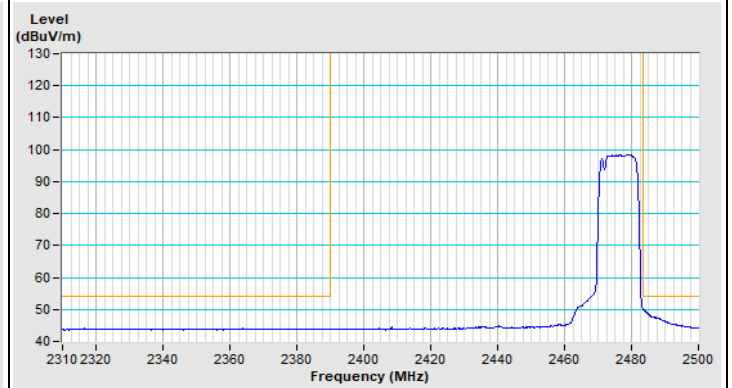
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

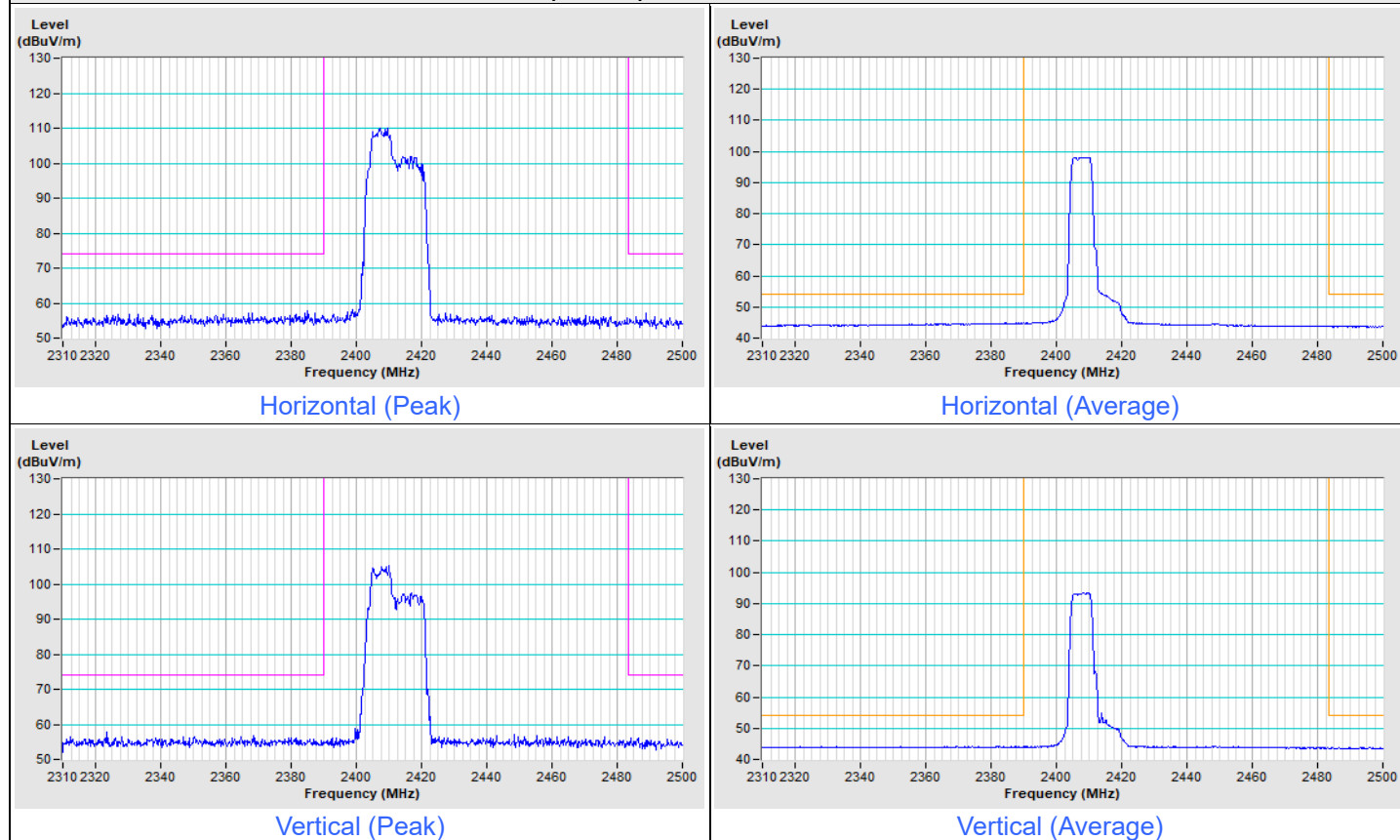


Vertical (Average)

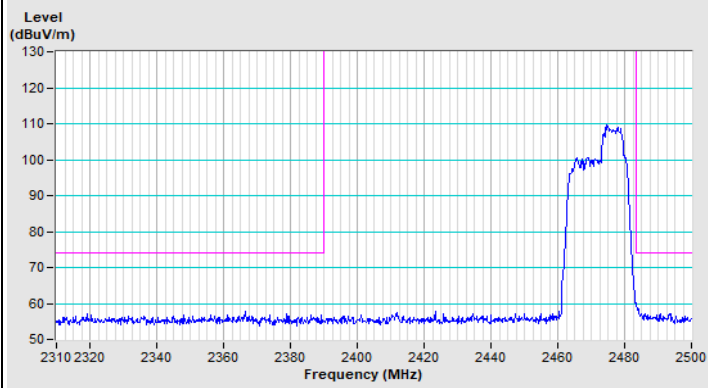
Mode B

Frequency Range	2.31 GHz ~ 2.5 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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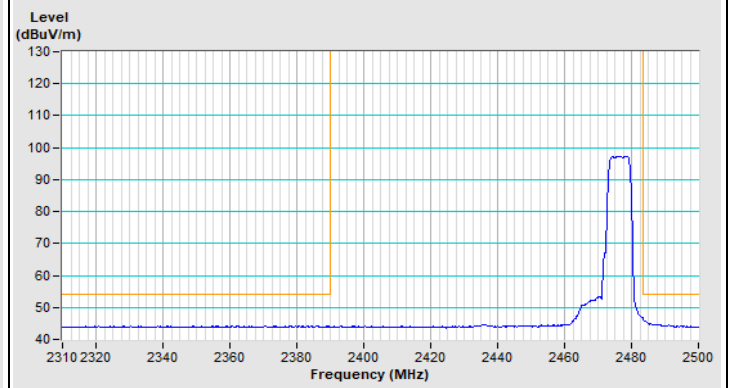
802.11be (EHT20) 52+26-tone MRU Channel 1



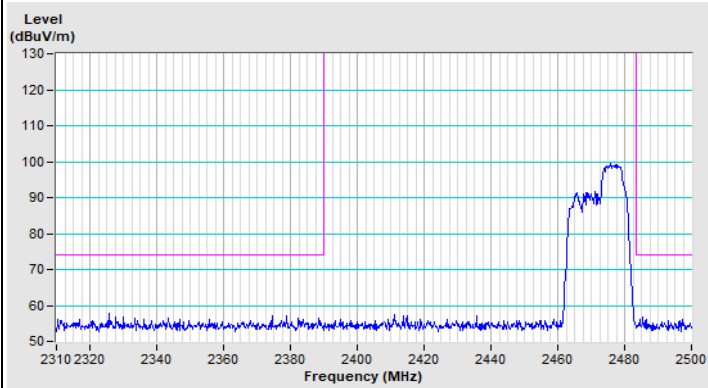
802.11be (EHT20) 52+26-tone MRU Channel 13



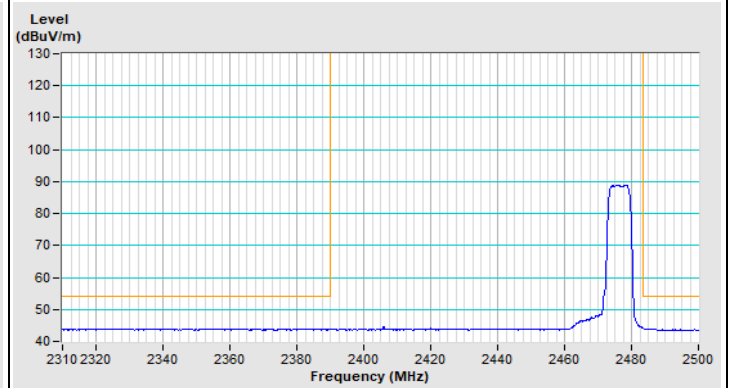
Horizontal (Peak)



Horizontal (Average)



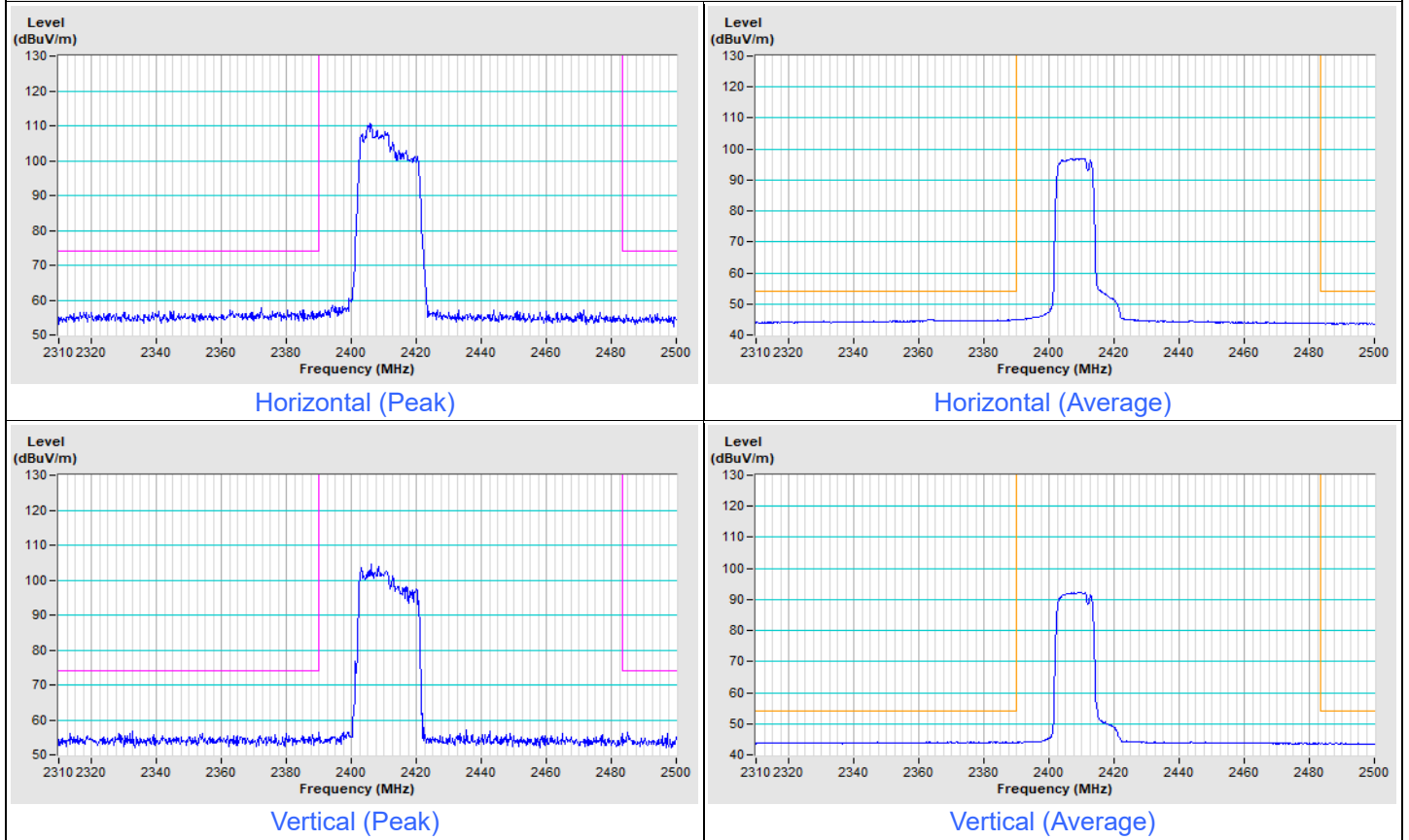
Vertical (Peak)



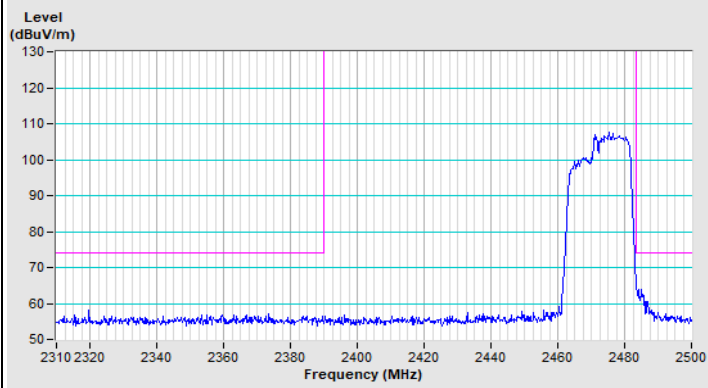
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 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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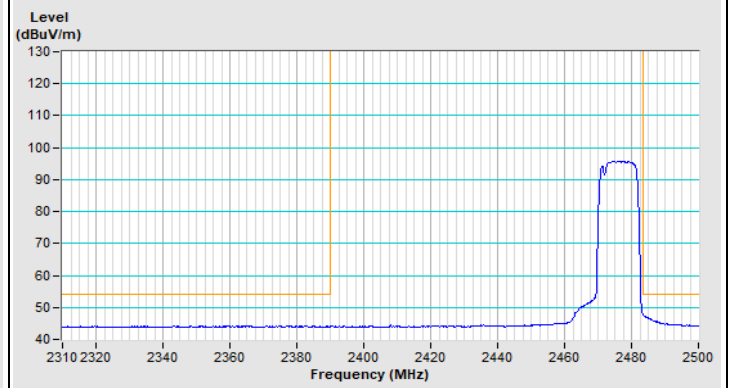
802.11be (EHT20) 106+26-tone MRU Channel 1



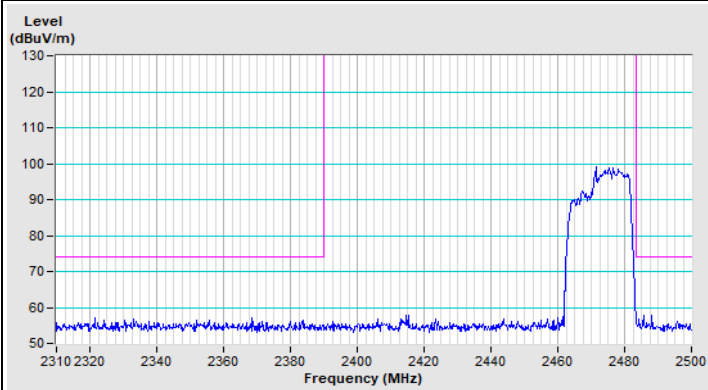
802.11be (EHT20) 106+26-tone MRU Channel 13



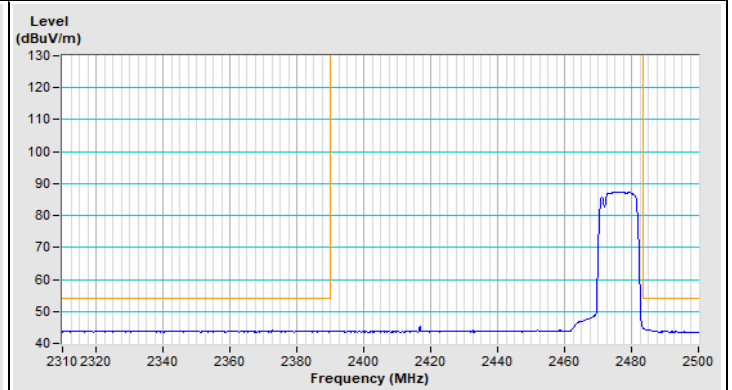
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

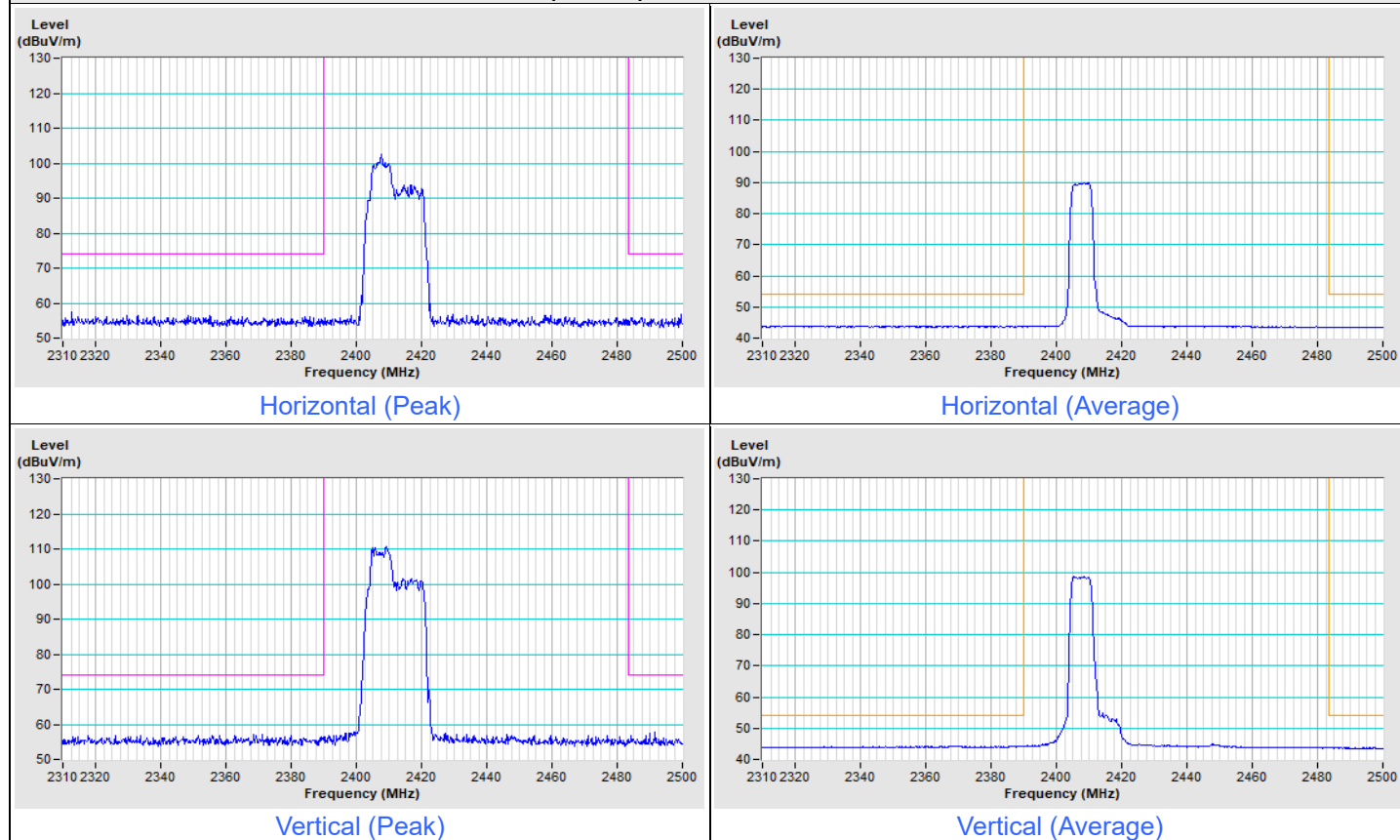


Vertical (Average)

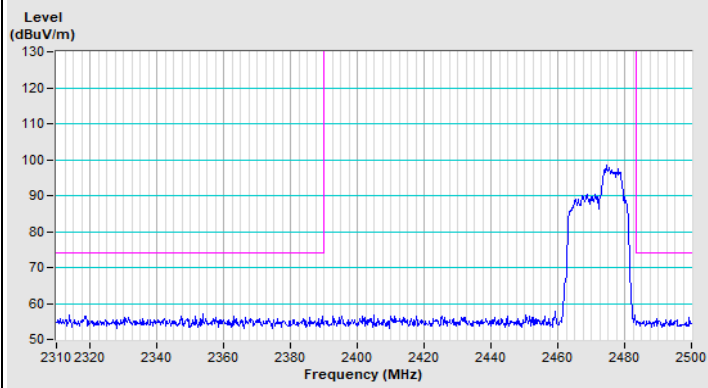
Mode C

Frequency Range	2.31 GHz ~ 2.5 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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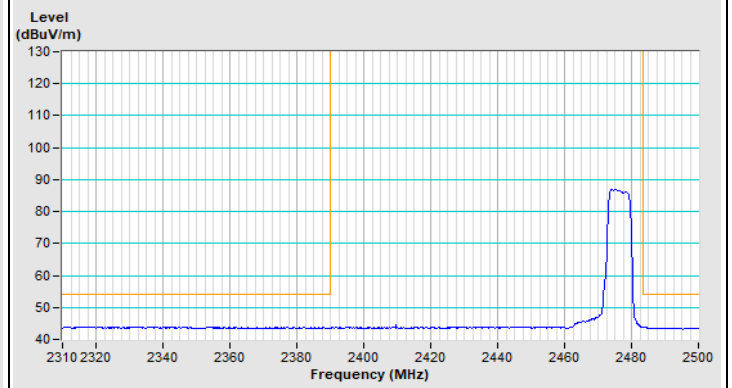
802.11be (EHT20) 52+26-tone MRU Channel 1



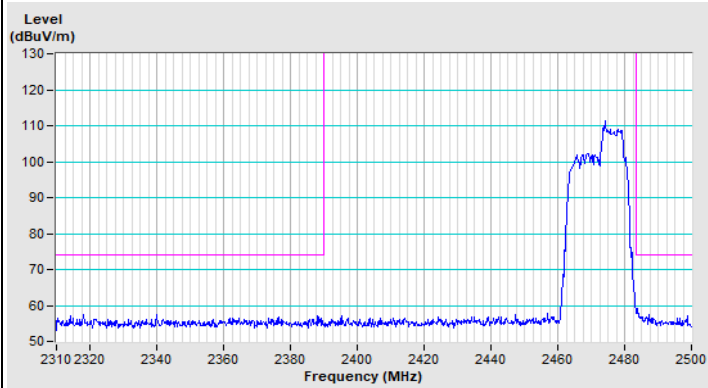
802.11be (EHT20) 52+26-tone MRU Channel 13



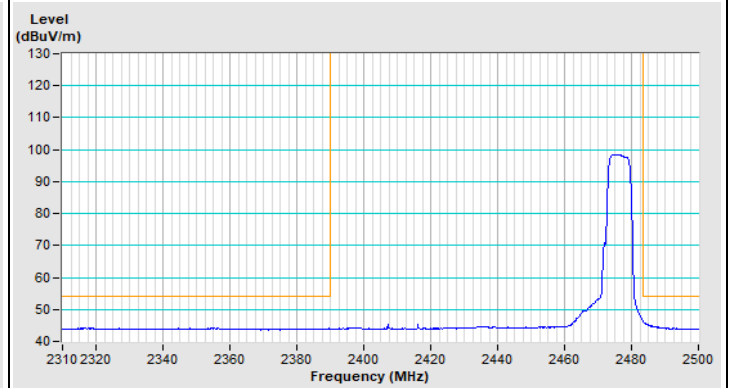
Horizontal (Peak)



Horizontal (Average)



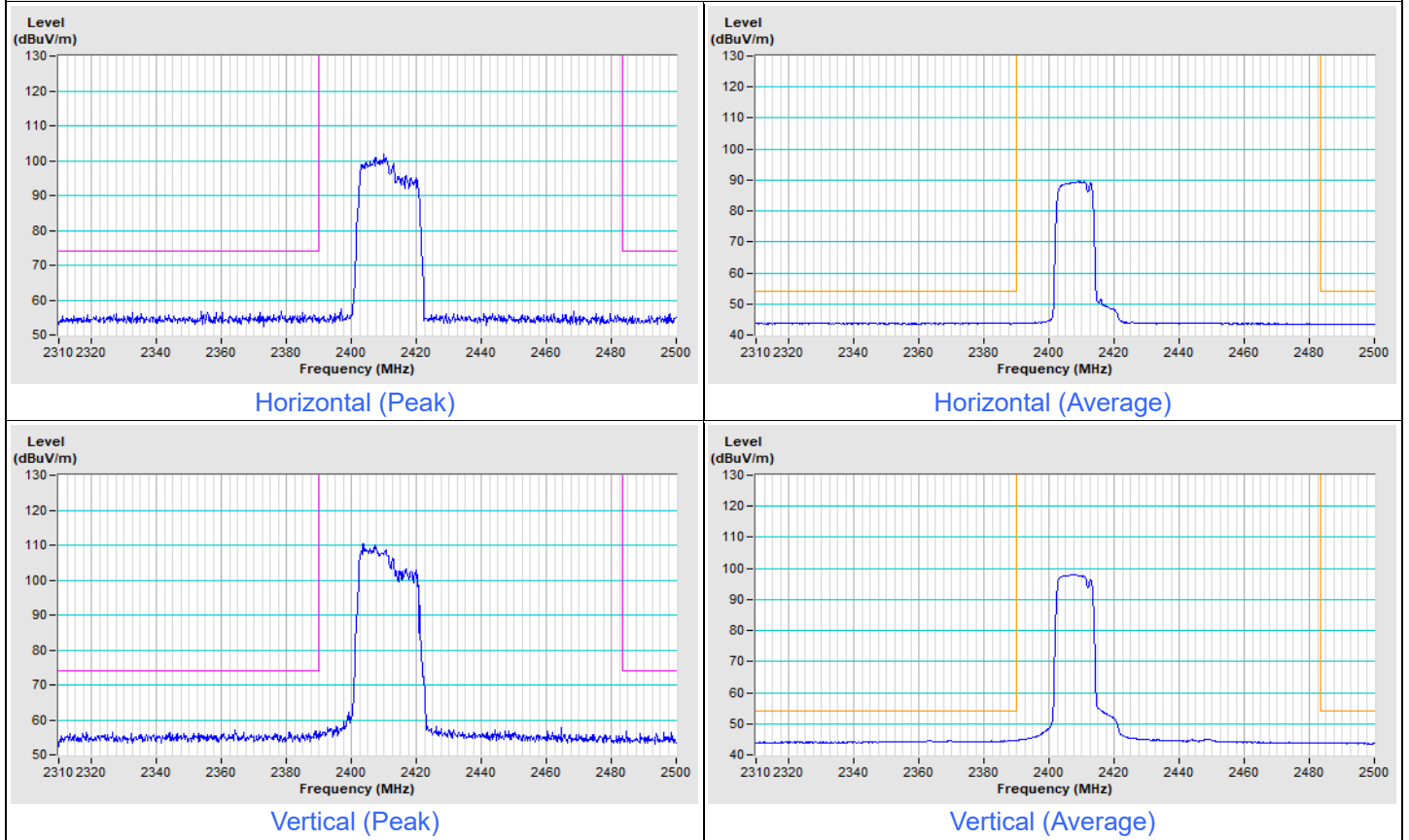
Vertical (Peak)



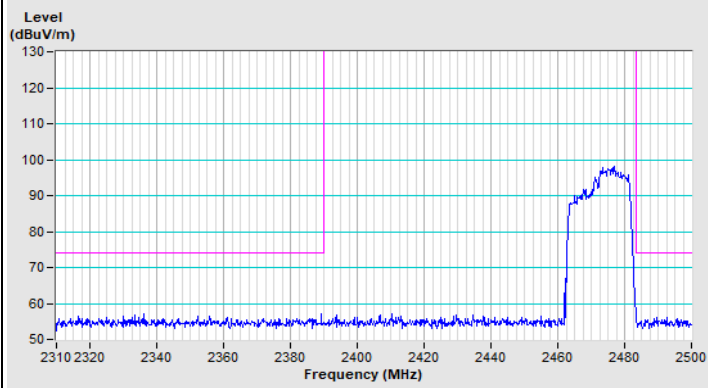
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 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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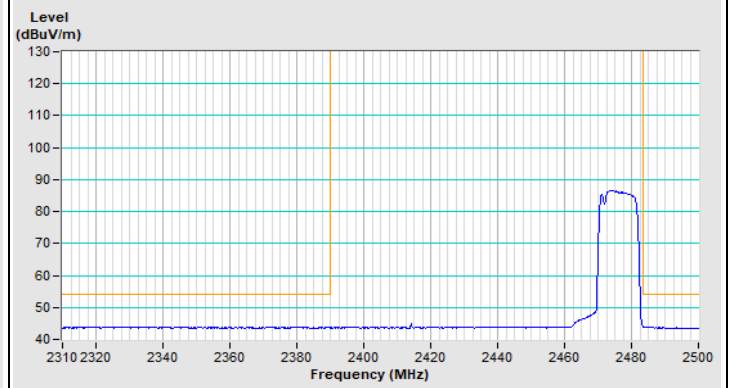
802.11be (EHT20) 106+26-tone MRU Channel 1



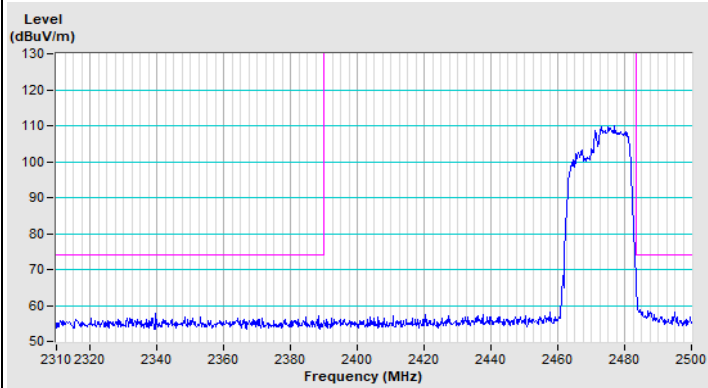
802.11be (EHT20) 106+26-tone MRU Channel 13



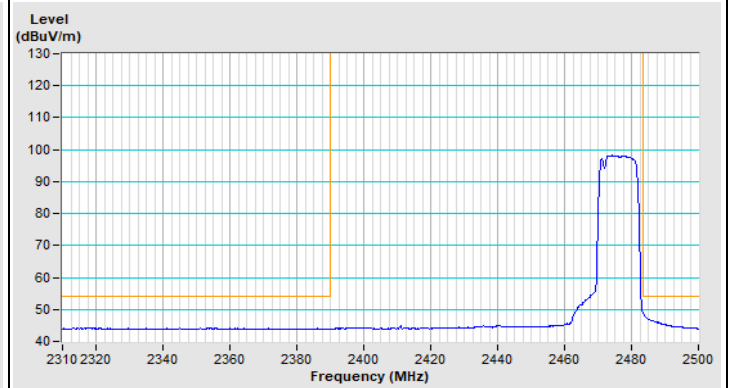
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

2TX

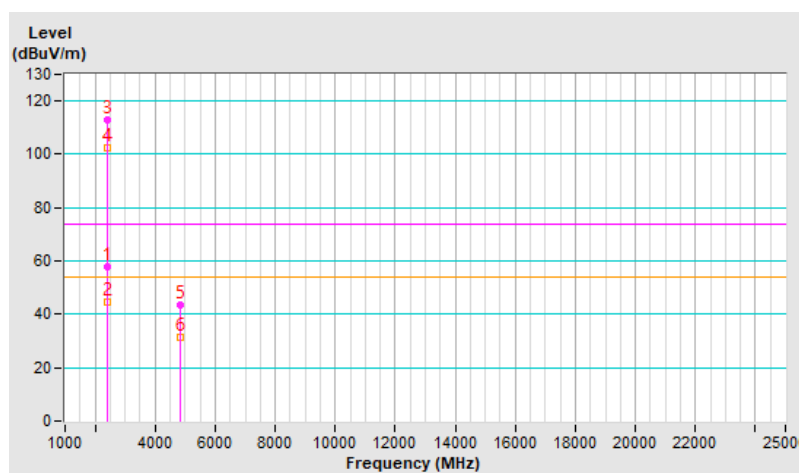
Mode A

RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	57.6 PK	74.0	-16.4	2.70 H	158	57.8	-0.2
2	2390.00	44.7 AV	54.0	-9.3	2.70 H	158	44.9	-0.2
3	*2412.00	113.1 PK			2.70 H	158	113.3	-0.2
4	*2412.00	102.5 AV			2.70 H	158	102.7	-0.2
5	4824.00	43.3 PK	74.0	-30.7	2.23 H	174	38.7	4.6
6	4824.00	31.6 AV	54.0	-22.4	2.23 H	174	27.0	4.6

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.

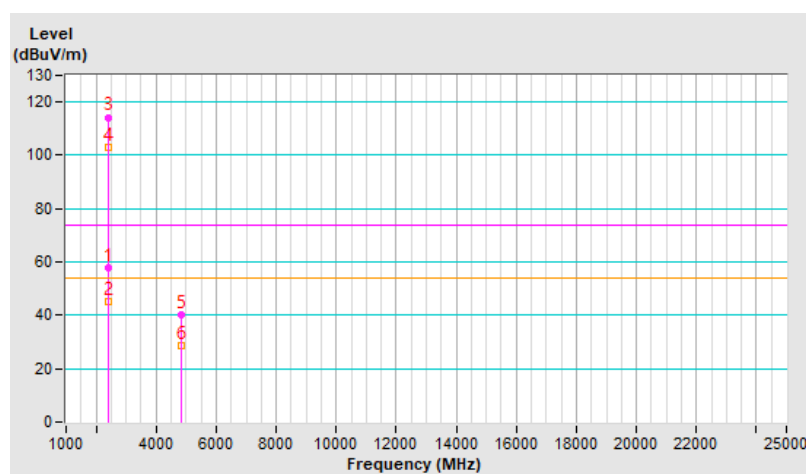


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	57.7 PK	74.0	-16.3	2.06 V	198	57.9	-0.2
2	2390.00	45.1 AV	54.0	-8.9	2.06 V	198	45.3	-0.2
3	*2412.00	114.3 PK			2.06 V	198	114.5	-0.2
4	*2412.00	103.0 AV			2.06 V	198	103.2	-0.2
5	4824.00	40.4 PK	74.0	-33.6	2.87 V	276	35.8	4.6
6	4824.00	28.7 AV	54.0	-25.3	2.87 V	276	24.1	4.6

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.

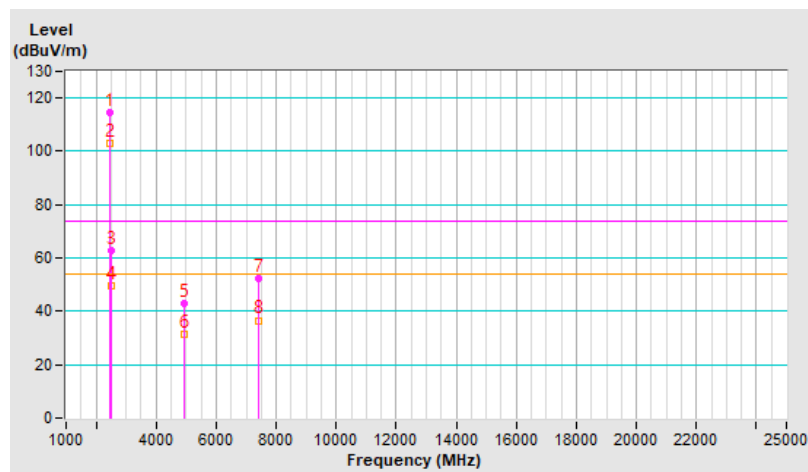


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	114.6 PK			2.48 H	164	114.7	-0.1
2	*2472.00	103.0 AV			2.48 H	164	103.1	-0.1
3	2483.50	62.9 PK	74.0	-11.1	2.48 H	164	63.0	-0.1
4	2483.50	49.8 AV	54.0	-4.2	2.48 H	164	49.9	-0.1
5	4944.00	43.1 PK	74.0	-30.9	1.95 H	177	38.2	4.9
6	4944.00	31.5 AV	54.0	-22.5	1.95 H	177	26.6	4.9
7	7416.00	52.4 PK	74.0	-21.6	1.34 H	76	40.3	12.1
8	7416.00	36.6 AV	54.0	-17.4	1.34 H	76	24.5	12.1

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.

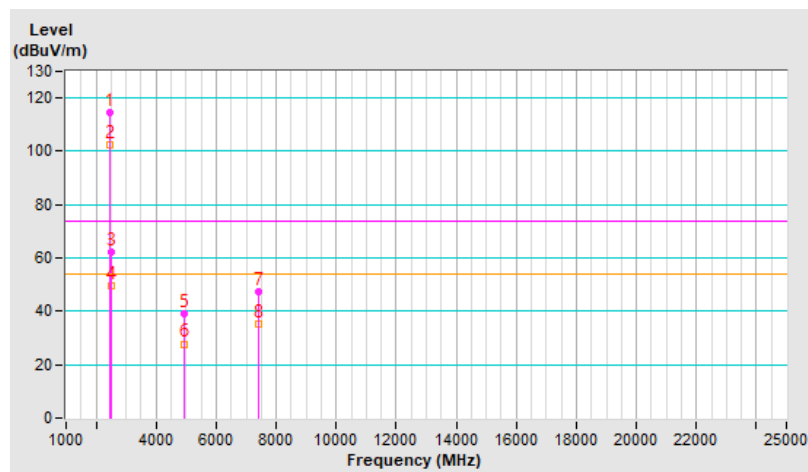


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	114.5 PK			1.61 V	200	114.6	-0.1
2	*2472.00	102.6 AV			1.61 V	200	102.7	-0.1
3	2483.50	62.2 PK	74.0	-11.8	1.61 V	200	62.3	-0.1
4	2483.50	49.7 AV	54.0	-4.3	1.61 V	200	49.8	-0.1
5	4944.00	39.0 PK	74.0	-35.0	1.88 V	249	34.1	4.9
6	4944.00	27.8 AV	54.0	-26.2	1.88 V	249	22.9	4.9
7	7416.00	47.6 PK	74.0	-26.4	1.36 V	72	35.5	12.1
8	7416.00	35.1 AV	54.0	-18.9	1.36 V	72	23.0	12.1

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.

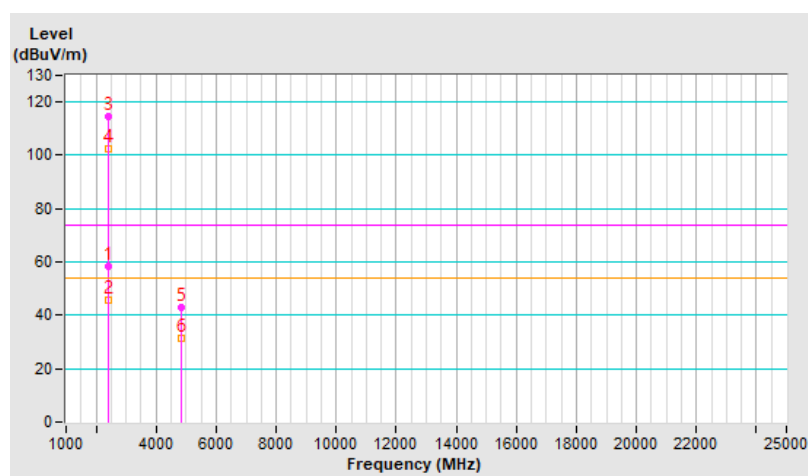


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	58.2 PK	74.0	-15.8	2.70 H	158	58.4	-0.2
2	2390.00	45.6 AV	54.0	-8.4	2.70 H	158	45.8	-0.2
3	*2412.00	114.7 PK			2.70 H	158	114.9	-0.2
4	*2412.00	102.6 AV			2.70 H	158	102.8	-0.2
5	4824.00	43.0 PK	74.0	-31.0	2.20 H	176	38.4	4.6
6	4824.00	31.4 AV	54.0	-22.6	2.20 H	176	26.8	4.6

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.

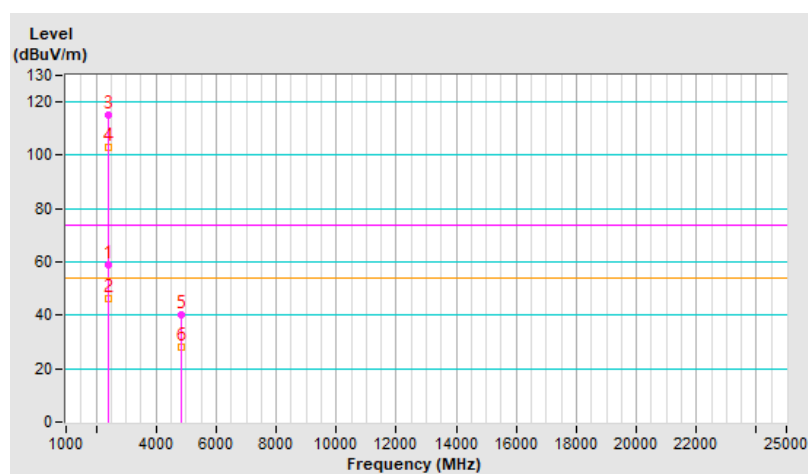


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	58.9 PK	74.0	-15.1	1.00 V	201	59.1	-0.2
2	2390.00	46.2 AV	54.0	-7.8	1.00 V	201	46.4	-0.2
3	*2412.00	115.0 PK			1.00 V	201	115.2	-0.2
4	*2412.00	102.9 AV			1.00 V	201	103.1	-0.2
5	4824.00	40.2 PK	74.0	-33.8	2.90 V	279	35.6	4.6
6	4824.00	28.2 AV	54.0	-25.8	2.90 V	279	23.6	4.6

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.

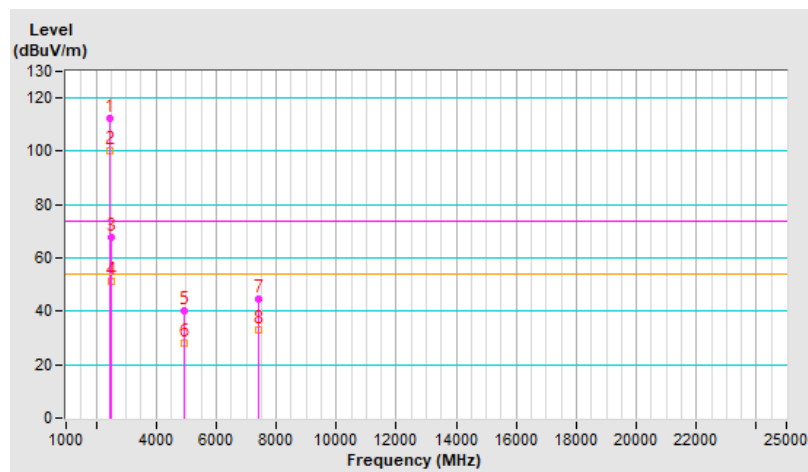


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	112.1 PK			2.58 H	137	112.2	-0.1
2	*2472.00	100.0 AV			2.58 H	137	100.1	-0.1
3	2483.50	67.5 PK	74.0	-6.5	2.58 H	137	67.6	-0.1
4	2483.50	51.4 AV	54.0	-2.6	2.58 H	137	51.5	-0.1
5	4944.00	40.0 PK	74.0	-34.0	1.93 H	180	35.1	4.9
6	4944.00	28.1 AV	54.0	-25.9	1.93 H	180	23.2	4.9
7	7416.00	44.8 PK	74.0	-29.2	1.30 H	74	32.7	12.1
8	7416.00	33.0 AV	54.0	-21.0	1.30 H	74	20.9	12.1

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.

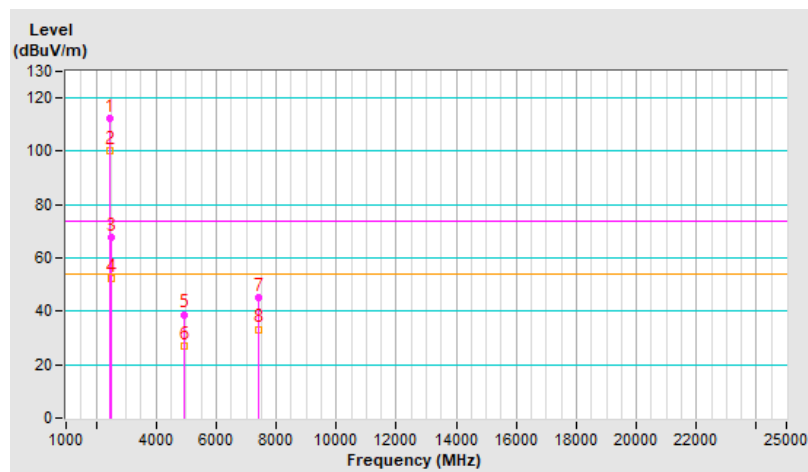


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	112.3 PK			1.50 V	207	112.4	-0.1
2	*2472.00	100.2 AV			1.50 V	207	100.3	-0.1
3	2483.50	67.9 PK	74.0	-6.1	1.50 V	207	68.0	-0.1
4	2483.50	52.2 AV	54.0	-1.8	1.50 V	207	52.3	-0.1
5	4944.00	38.8 PK	74.0	-35.2	1.85 V	253	33.9	4.9
6	4944.00	27.1 AV	54.0	-26.9	1.85 V	253	22.2	4.9
7	7416.00	45.1 PK	74.0	-28.9	1.38 V	75	33.0	12.1
8	7416.00	33.3 AV	54.0	-20.7	1.38 V	75	21.2	12.1

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.



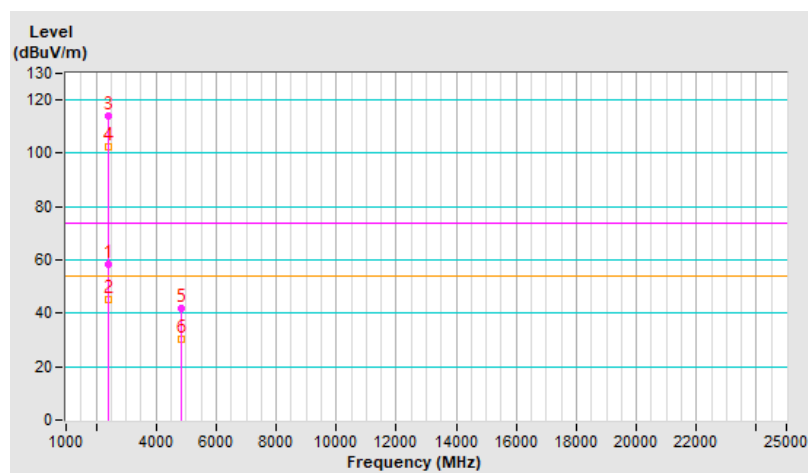
Mode B

RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	58.2 PK	74.0	-15.8	1.24 H	171	58.4	-0.2
2	2390.00	45.2 AV	54.0	-8.8	1.24 H	171	45.4	-0.2
3	*2412.00	113.9 PK			1.24 H	171	114.1	-0.2
4	*2412.00	102.4 AV			1.24 H	171	102.6	-0.2
5	4824.00	41.8 PK	74.0	-32.2	1.01 H	107	37.2	4.6
6	4824.00	30.1 AV	54.0	-23.9	1.01 H	107	25.5	4.6

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.

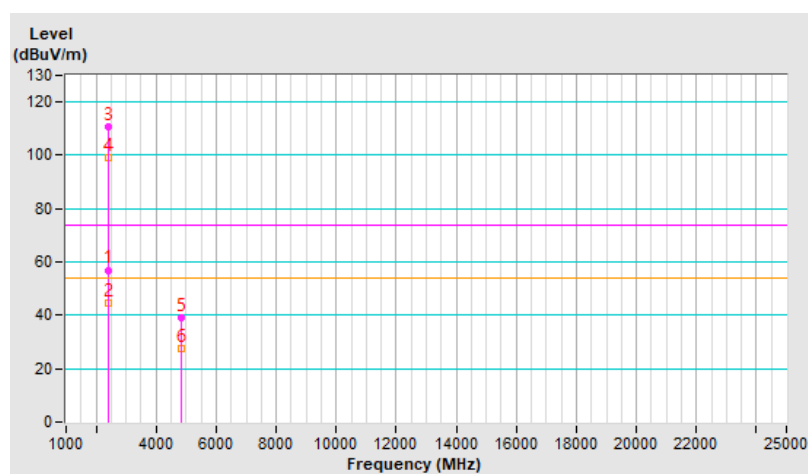


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	57.0 PK	74.0	-17.0	3.17 V	233	57.2	-0.2
2	2390.00	44.7 AV	54.0	-9.3	3.17 V	233	44.9	-0.2
3	*2412.00	110.6 PK			3.17 V	233	110.8	-0.2
4	*2412.00	99.1 AV			3.17 V	233	99.3	-0.2
5	4824.00	39.2 PK	74.0	-34.8	1.14 V	300	34.6	4.6
6	4824.00	27.3 AV	54.0	-26.7	1.14 V	300	22.7	4.6

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.

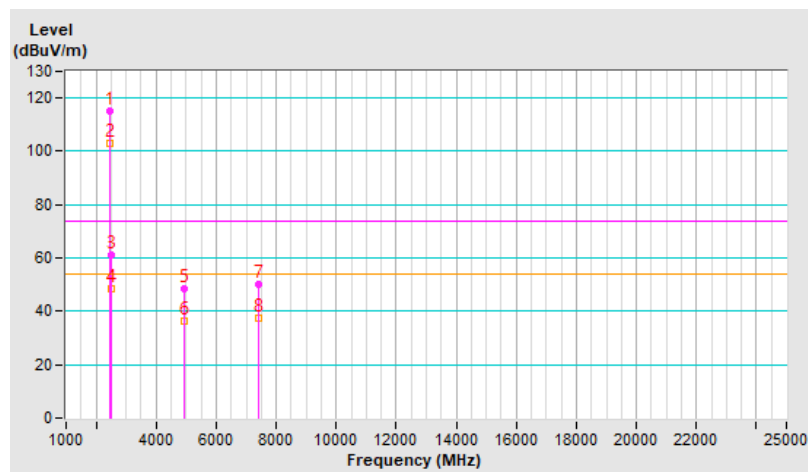


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	115.2 PK			1.20 H	174	115.3	-0.1
2	*2472.00	103.1 AV			1.20 H	174	103.2	-0.1
3	2483.50	61.0 PK	74.0	-13.0	1.20 H	174	61.1	-0.1
4	2483.50	48.6 AV	54.0	-5.4	1.20 H	174	48.7	-0.1
5	4944.00	48.4 PK	74.0	-25.6	1.18 H	110	43.5	4.9
6	4944.00	36.5 AV	54.0	-17.5	1.18 H	110	31.6	4.9
7	7416.00	50.3 PK	74.0	-23.7	1.19 H	121	38.2	12.1
8	7416.00	37.6 AV	54.0	-16.4	1.19 H	121	25.5	12.1

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.

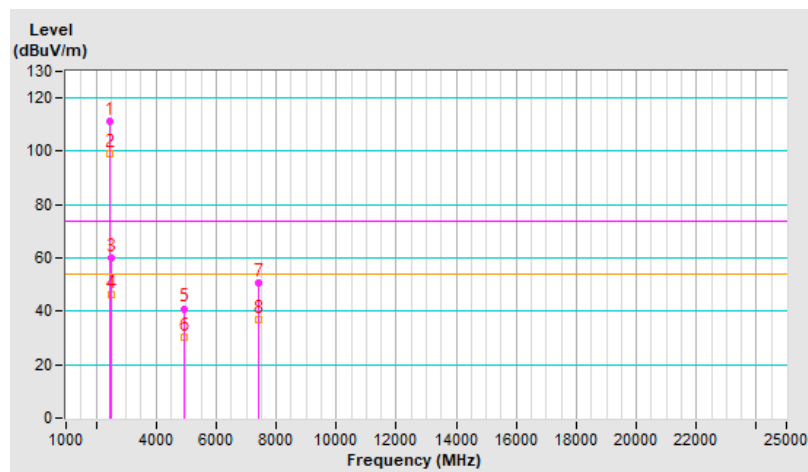


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	111.0 PK			2.63 V	234	111.1	-0.1
2	*2472.00	99.2 AV			2.63 V	234	99.3	-0.1
3	2483.50	60.2 PK	74.0	-13.8	2.63 V	234	60.3	-0.1
4	2483.50	46.0 AV	54.0	-8.0	2.63 V	234	46.1	-0.1
5	4944.00	41.0 PK	74.0	-33.0	1.48 V	280	36.1	4.9
6	4944.00	30.4 AV	54.0	-23.6	1.48 V	280	25.5	4.9
7	7416.00	50.5 PK	74.0	-23.5	1.50 V	134	38.4	12.1
8	7416.00	37.0 AV	54.0	-17.0	1.50 V	134	24.9	12.1

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.

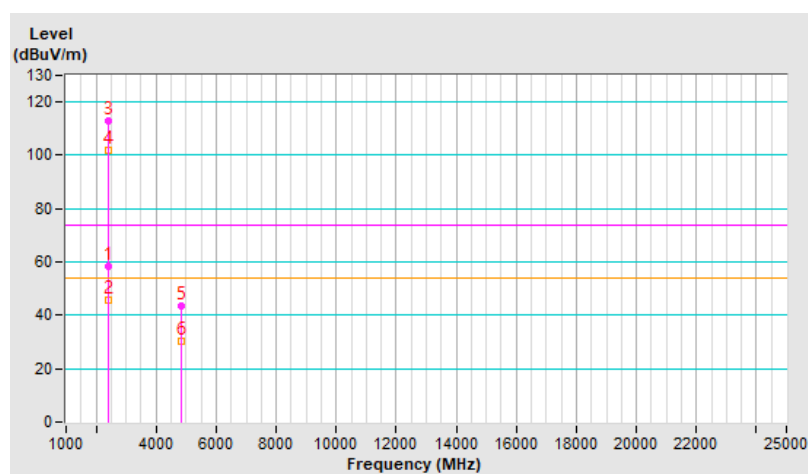


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	58.6 PK	74.0	-15.4	1.25 H	176	58.8	-0.2
2	2390.00	45.7 AV	54.0	-8.3	1.25 H	176	45.9	-0.2
3	*2412.00	112.7 PK			1.25 H	176	112.9	-0.2
4	*2412.00	101.8 AV			1.25 H	176	102.0	-0.2
5	4824.00	43.5 PK	74.0	-30.5	1.05 H	110	38.9	4.6
6	4824.00	30.2 AV	54.0	-23.8	1.05 H	110	25.6	4.6

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.

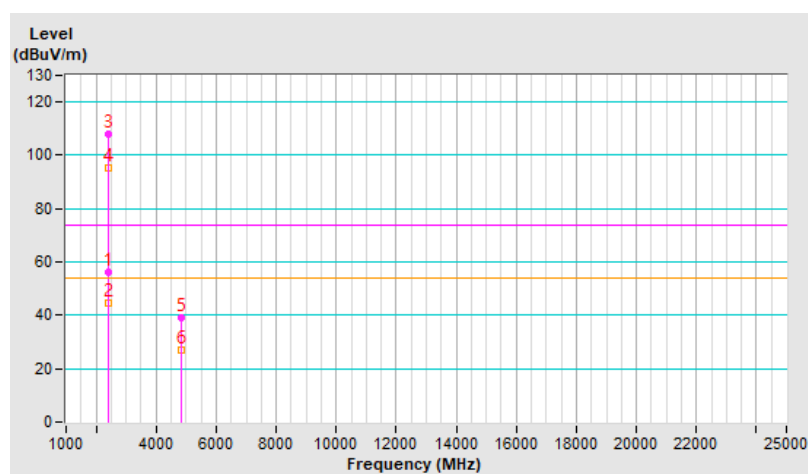


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	56.3 PK	74.0	-17.7	1.04 V	300	56.5	-0.2
2	2390.00	44.5 AV	54.0	-9.5	1.04 V	300	44.7	-0.2
3	*2412.00	107.9 PK			1.04 V	300	108.1	-0.2
4	*2412.00	95.5 AV			1.04 V	300	95.7	-0.2
5	4824.00	39.0 PK	74.0	-35.0	1.16 V	295	34.4	4.6
6	4824.00	27.2 AV	54.0	-26.8	1.16 V	295	22.6	4.6

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.

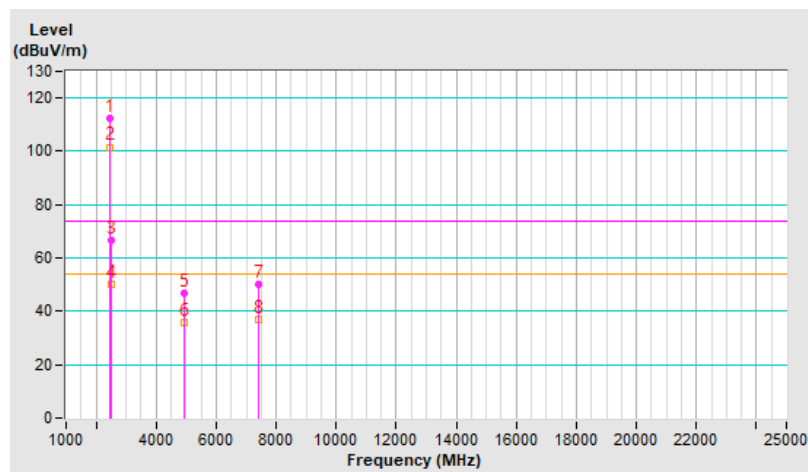


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	112.5 PK			1.21 H	179	112.6	-0.1
2	*2472.00	101.6 AV			1.21 H	179	101.7	-0.1
3	2483.50	66.6 PK	74.0	-7.4	1.21 H	179	66.7	-0.1
4	2483.50	50.3 AV	54.0	-3.7	1.21 H	179	50.4	-0.1
5	4944.00	46.9 PK	74.0	-27.1	1.20 H	108	42.0	4.9
6	4944.00	35.7 AV	54.0	-18.3	1.20 H	108	30.8	4.9
7	7416.00	50.2 PK	74.0	-23.8	1.23 H	125	38.1	12.1
8	7416.00	37.0 AV	54.0	-17.0	1.23 H	125	24.9	12.1

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.

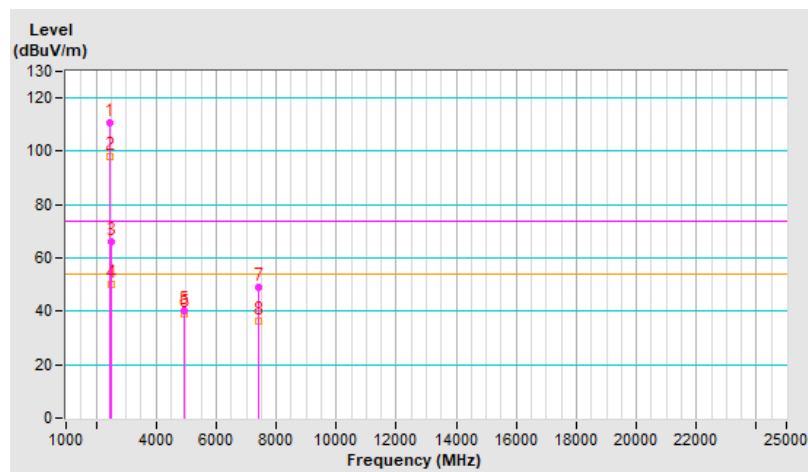


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	110.6 PK			2.62 V	242	110.7	-0.1
2	*2472.00	98.1 AV			2.62 V	242	98.2	-0.1
3	2483.50	65.9 PK	74.0	-8.1	2.62 V	242	66.0	-0.1
4	2483.50	50.0 AV	54.0	-4.0	2.62 V	242	50.1	-0.1
5	4944.00	40.1 PK	74.0	-33.9	1.49 V	283	35.2	4.9
6	4944.00	39.0 AV	54.0	-15.0	1.49 V	283	34.1	4.9
7	7416.00	48.9 PK	74.0	-25.1	1.53 V	136	36.8	12.1
8	7416.00	36.5 AV	54.0	-17.5	1.53 V	136	24.4	12.1

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.



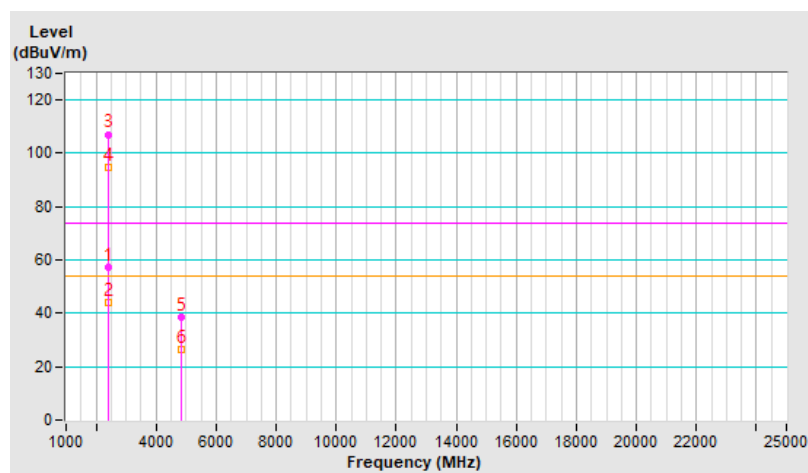
Mode C

RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	57.5 PK	74.0	-16.5	1.56 H	235	57.7	-0.2
2	2390.00	44.1 AV	54.0	-9.9	1.56 H	235	44.3	-0.2
3	*2412.00	107.1 PK			1.56 H	235	107.3	-0.2
4	*2412.00	94.5 AV			1.56 H	235	94.7	-0.2
5	4824.00	38.3 PK	74.0	-35.7	1.53 H	358	33.7	4.6
6	4824.00	26.6 AV	54.0	-27.4	1.53 H	358	22.0	4.6

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.

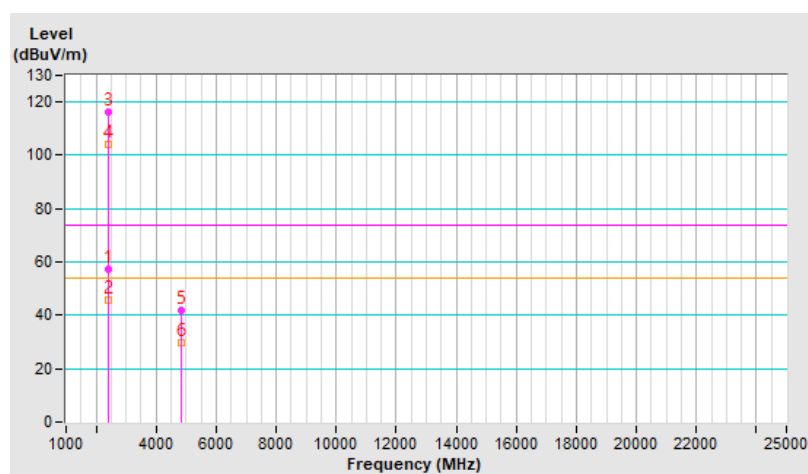


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	57.5 PK	74.0	-16.5	1.62 V	240	57.7	-0.2
2	2390.00	45.6 AV	54.0	-8.4	1.62 V	240	45.8	-0.2
3	*2412.00	116.1 PK			1.62 V	240	116.3	-0.2
4	*2412.00	104.1 AV			1.62 V	240	104.3	-0.2
5	4824.00	42.0 PK	74.0	-32.0	1.40 V	81	37.4	4.6
6	4824.00	29.6 AV	54.0	-24.4	1.40 V	81	25.0	4.6

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.

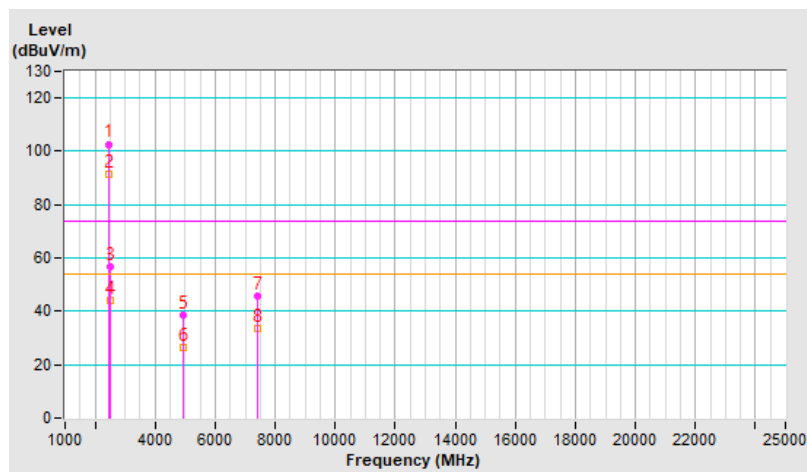


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	102.7 PK			1.53 H	235	102.8	-0.1
2	*2472.00	91.6 AV			1.53 H	235	91.7	-0.1
3	2483.50	56.8 PK	74.0	-17.2	1.53 H	235	56.9	-0.1
4	2483.50	44.3 AV	54.0	-9.7	1.53 H	235	44.4	-0.1
5	4944.00	38.4 PK	74.0	-35.6	1.50 H	360	33.5	4.9
6	4944.00	26.6 AV	54.0	-27.4	1.50 H	360	21.7	4.9
7	7416.00	45.5 PK	74.0	-28.5	1.33 H	68	33.4	12.1
8	7416.00	33.8 AV	54.0	-20.2	1.33 H	68	21.7	12.1

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.

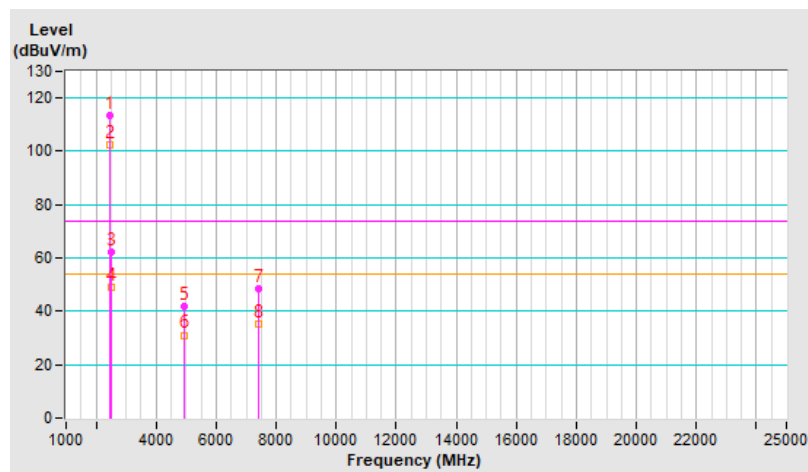


RF Mode	802.11be (EHT20) 52+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	113.4 PK			1.55 V	21	113.5	-0.1
2	*2472.00	102.6 AV			1.55 V	21	102.7	-0.1
3	2483.50	62.0 PK	74.0	-12.0	1.55 V	21	62.1	-0.1
4	2483.50	49.1 AV	54.0	-4.9	1.55 V	21	49.2	-0.1
5	4944.00	41.9 PK	74.0	-32.1	1.16 V	78	37.0	4.9
6	4944.00	31.1 AV	54.0	-22.9	1.16 V	78	26.2	4.9
7	7416.00	48.2 PK	74.0	-25.8	1.70 V	128	36.1	12.1
8	7416.00	35.0 AV	54.0	-19.0	1.70 V	128	22.9	12.1

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.

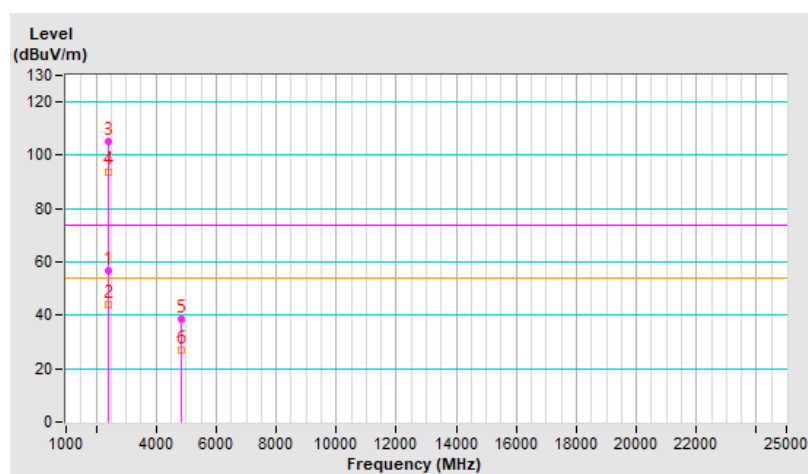


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	56.6 PK	74.0	-17.4	1.58 H	235	56.8	-0.2
2	2390.00	44.1 AV	54.0	-9.9	1.58 H	235	44.3	-0.2
3	*2412.00	105.4 PK			1.58 H	235	105.6	-0.2
4	*2412.00	93.9 AV			1.58 H	235	94.1	-0.2
5	4824.00	38.6 PK	74.0	-35.4	1.50 H	356	34.0	4.6
6	4824.00	26.9 AV	54.0	-27.1	1.50 H	356	22.3	4.6

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.

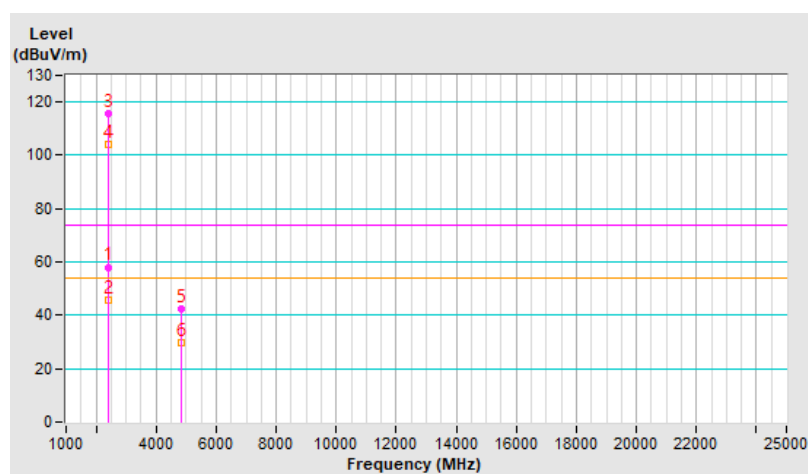


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	2390.00	58.1 PK	74.0	-15.9	1.28 V	244	58.3	-0.2
2	2390.00	45.6 AV	54.0	-8.4	1.28 V	244	45.8	-0.2
3	*2412.00	115.6 PK			1.28 V	244	115.8	-0.2
4	*2412.00	104.0 AV			1.28 V	244	104.2	-0.2
5	4824.00	42.3 PK	74.0	-31.7	1.07 V	85	37.7	4.6
6	4824.00	29.8 AV	54.0	-24.2	1.07 V	85	25.2	4.6

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.

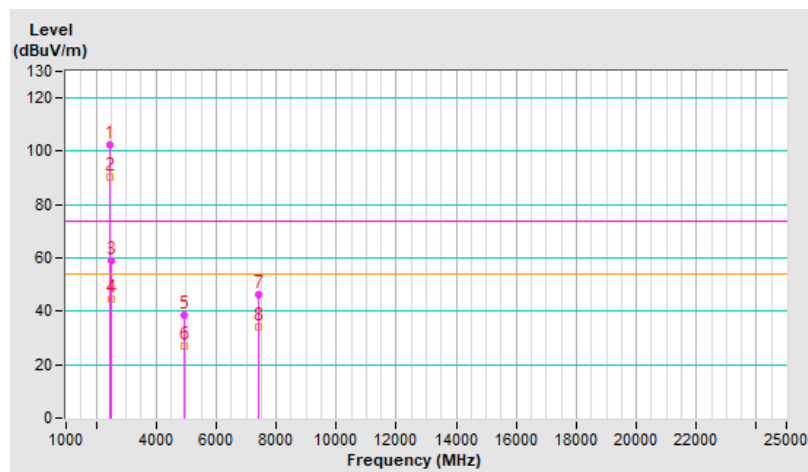


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	102.4 PK			1.26 H	237	102.5	-0.1
2	*2472.00	90.5 AV			1.26 H	237	90.6	-0.1
3	2483.50	59.1 PK	74.0	-14.9	1.26 H	237	59.2	-0.1
4	2483.50	44.7 AV	54.0	-9.3	1.26 H	237	44.8	-0.1
5	4944.00	38.7 PK	74.0	-35.3	1.53 H	342	33.8	4.9
6	4944.00	27.0 AV	54.0	-27.0	1.53 H	342	22.1	4.9
7	7416.00	46.0 PK	74.0	-28.0	1.35 H	73	33.9	12.1
8	7416.00	34.0 AV	54.0	-20.0	1.35 H	73	21.9	12.1

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.

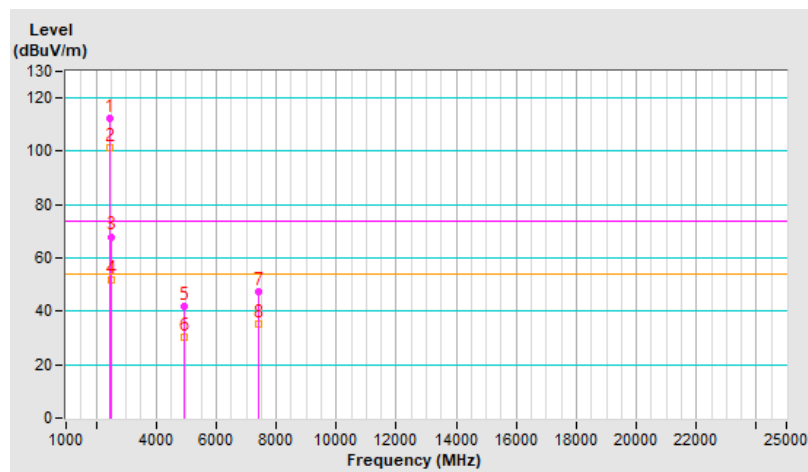


RF Mode	802.11be (EHT20) 106+26-tone MRU	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27 °C, 73 % RH
Tested By	Sampson Chen		

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	*2472.00	112.3 PK			1.55 V	21	112.4	-0.1
2	*2472.00	101.5 AV			1.55 V	21	101.6	-0.1
3	2483.50	68.0 PK	74.0	-6.0	1.55 V	21	68.1	-0.1
4	2483.50	51.8 AV	54.0	-2.2	1.55 V	21	51.9	-0.1
5	4944.00	41.6 PK	74.0	-32.4	1.11 V	72	36.7	4.9
6	4944.00	30.5 AV	54.0	-23.5	1.11 V	72	25.6	4.9
7	7416.00	47.5 PK	74.0	-26.5	1.66 V	142	35.4	12.1
8	7416.00	35.0 AV	54.0	-19.0	1.66 V	142	22.9	12.1

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.

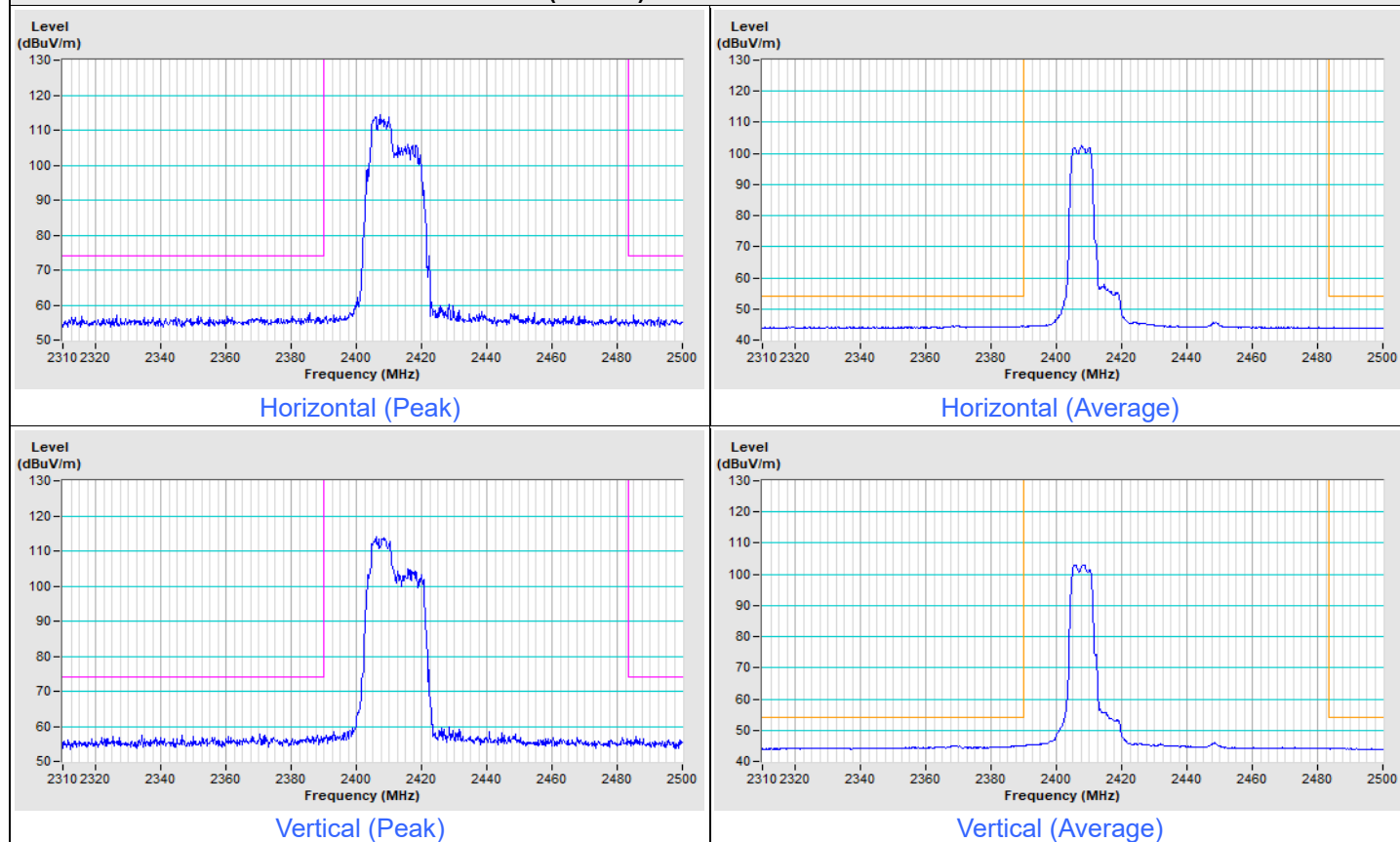


Plot of Band Edge

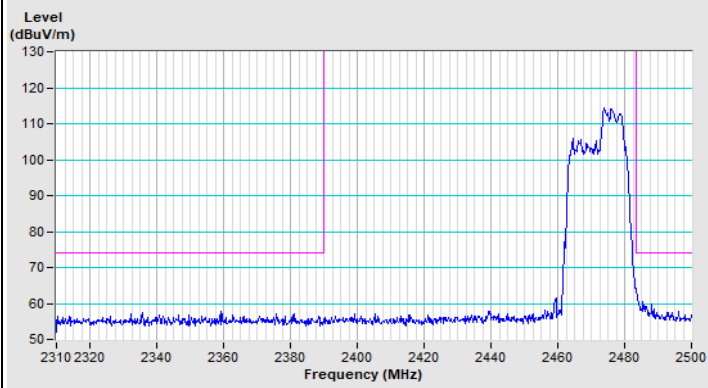
Mode A

Frequency Range	2.31 GHz ~ 2.5 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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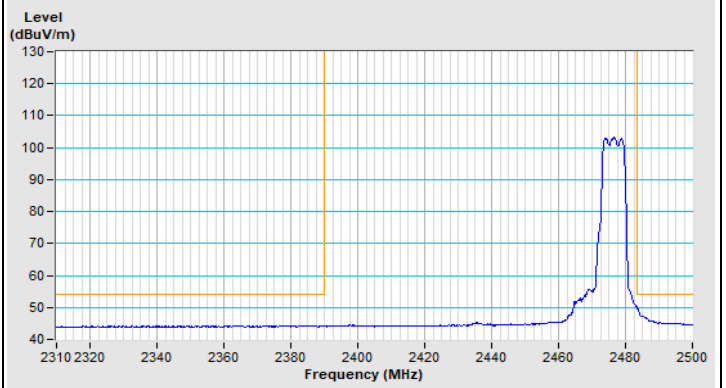
802.11be (EHT20) 52+26-tone MRU Channel 1



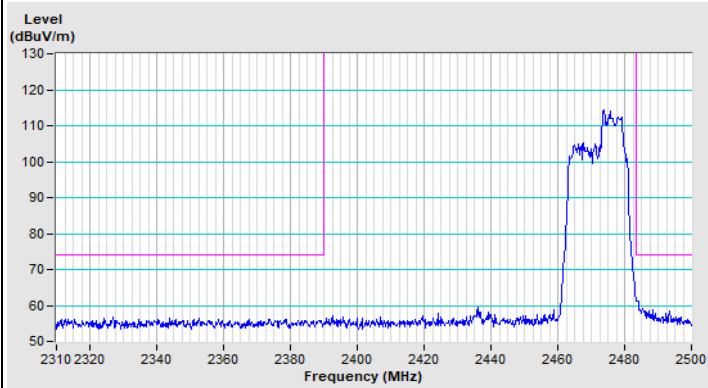
802.11be (EHT20) 52+26-tone MRU Channel 13



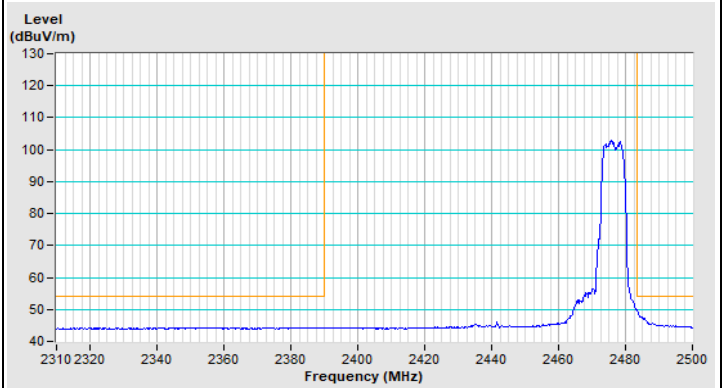
Horizontal (Peak)



Horizontal (Average)



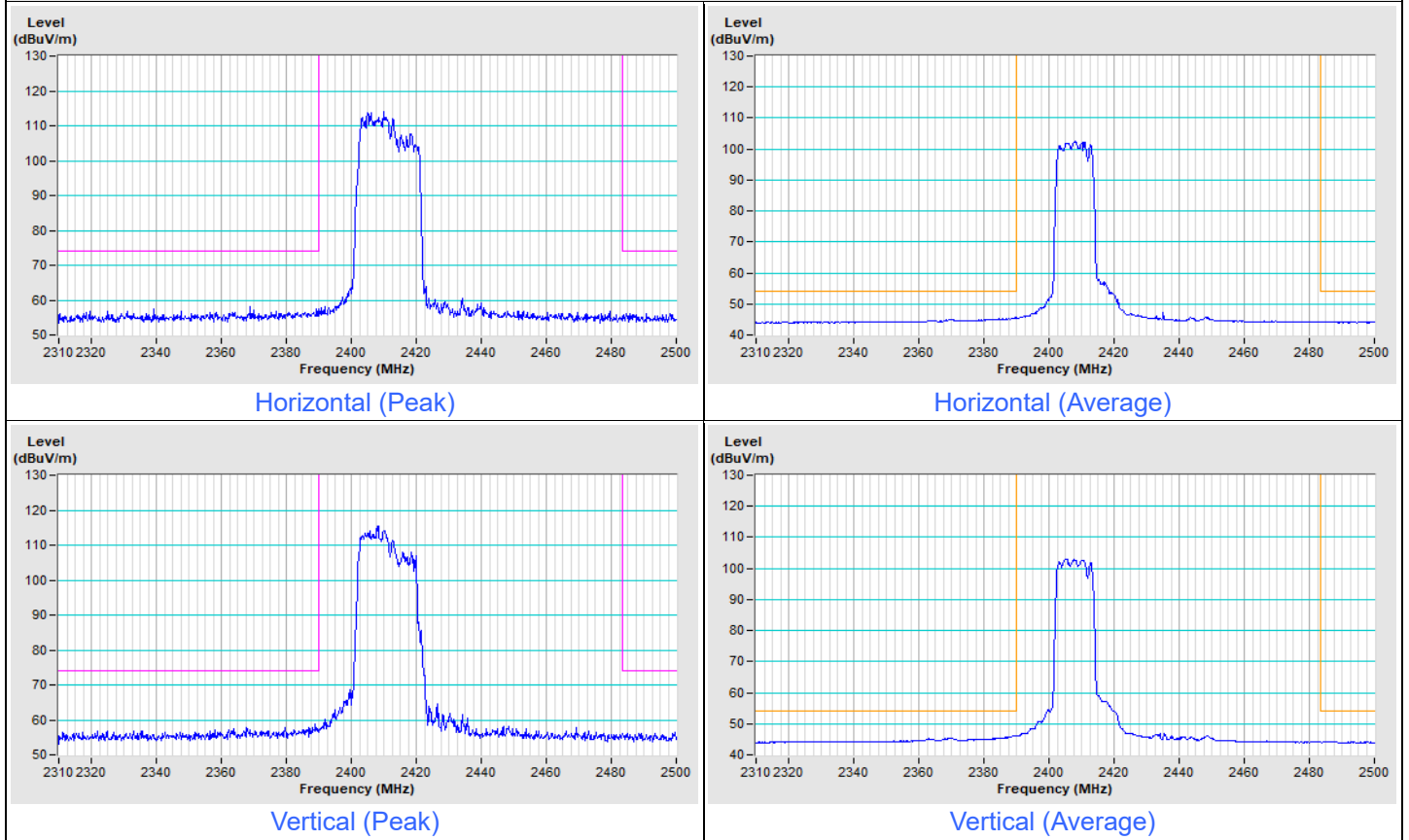
Vertical (Peak)



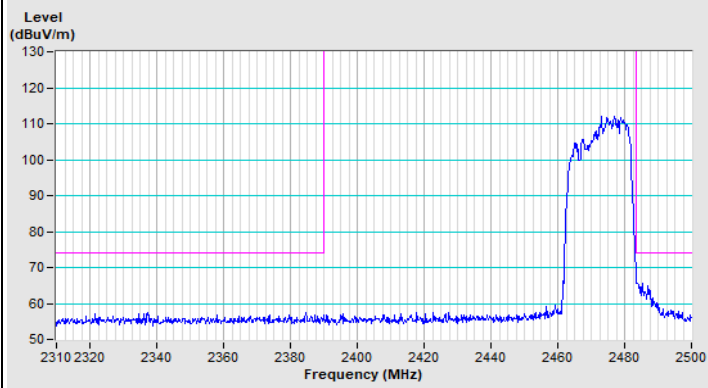
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 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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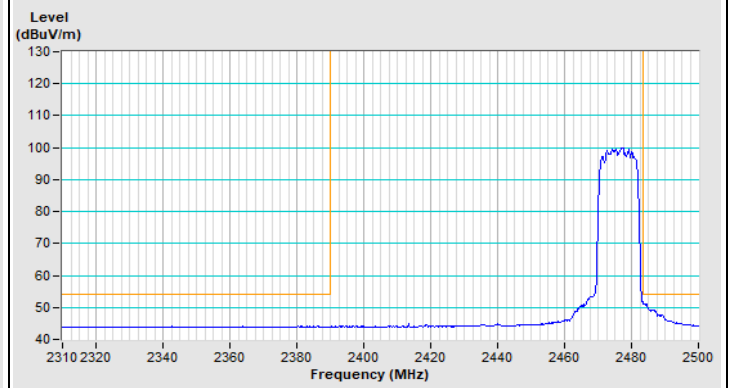
802.11be (EHT20) 106+26-tone MRU Channel 1



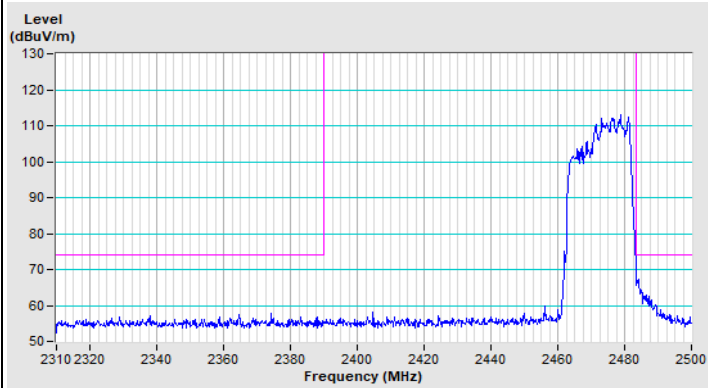
802.11be (EHT20) 106+26-tone MRU Channel 13



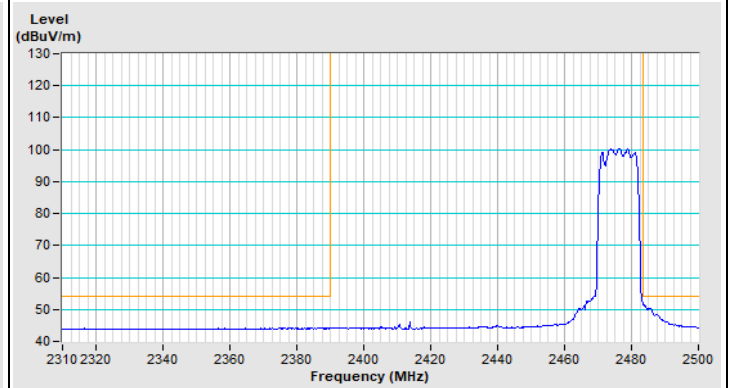
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

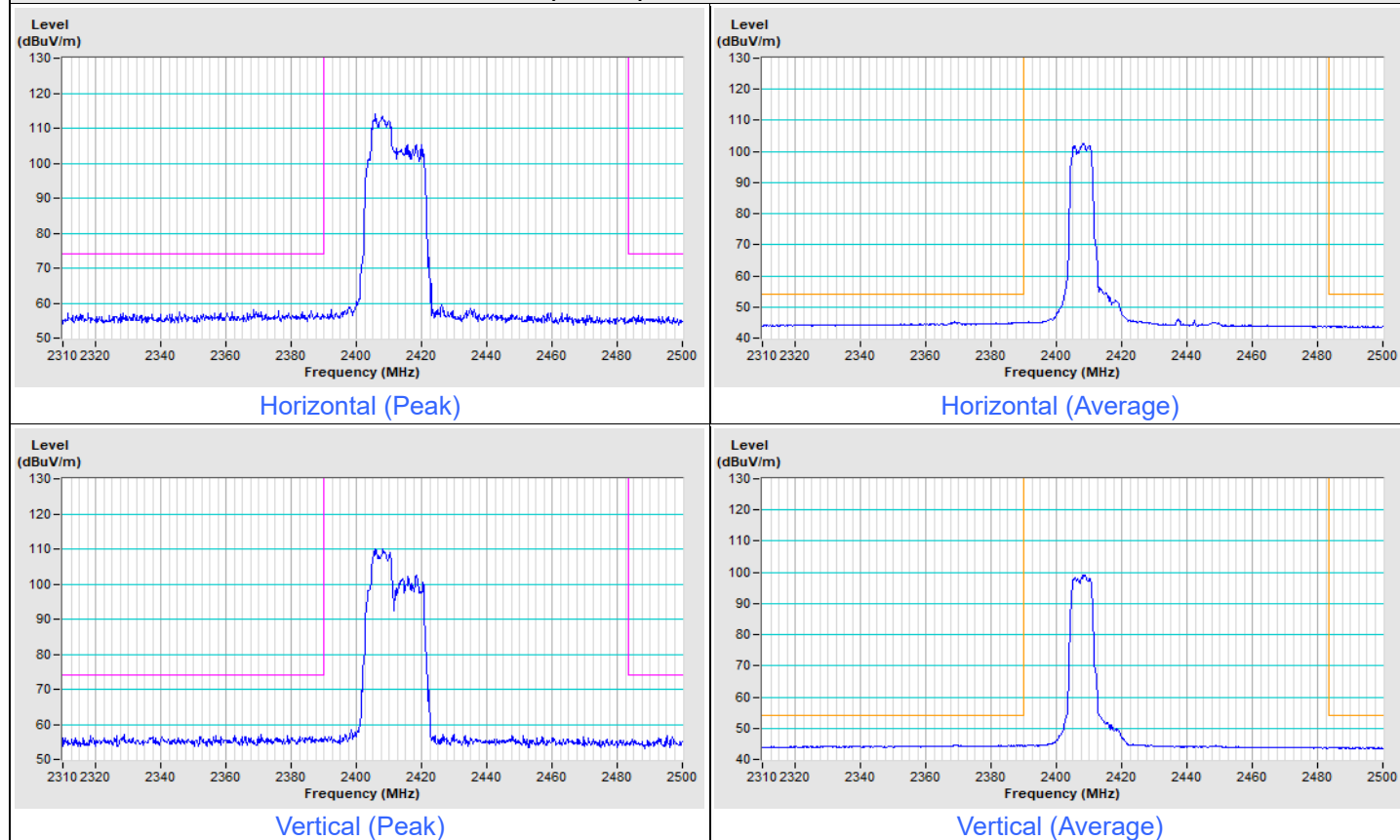


Vertical (Average)

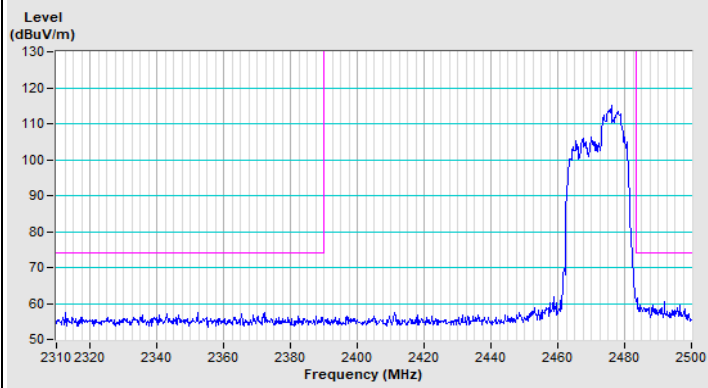
Mode B

Frequency Range	2.31 GHz ~ 2.5 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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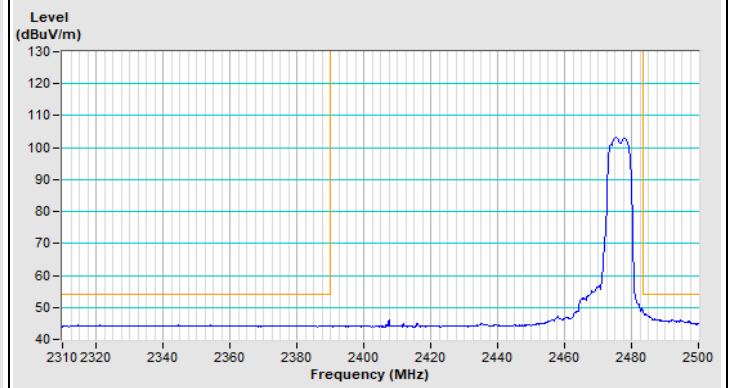
802.11be (EHT20) 52+26-tone MRU Channel 1



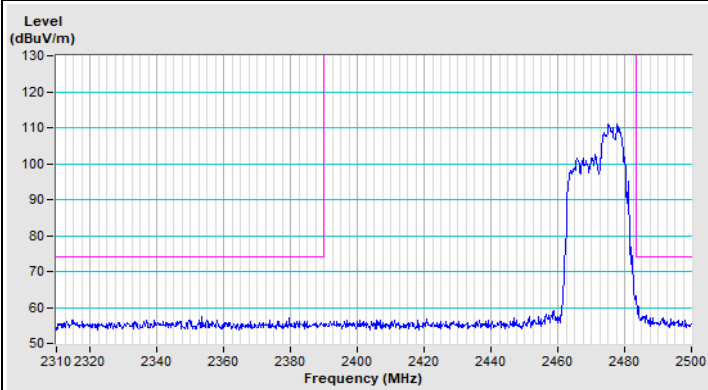
802.11be (EHT20) 52+26-tone MRU Channel 13



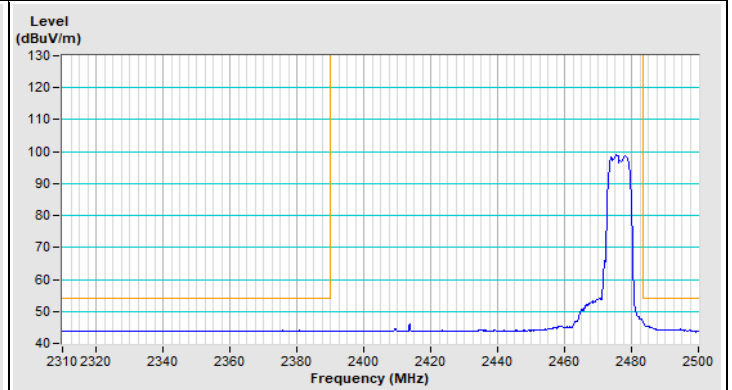
Horizontal (Peak)



Horizontal (Average)



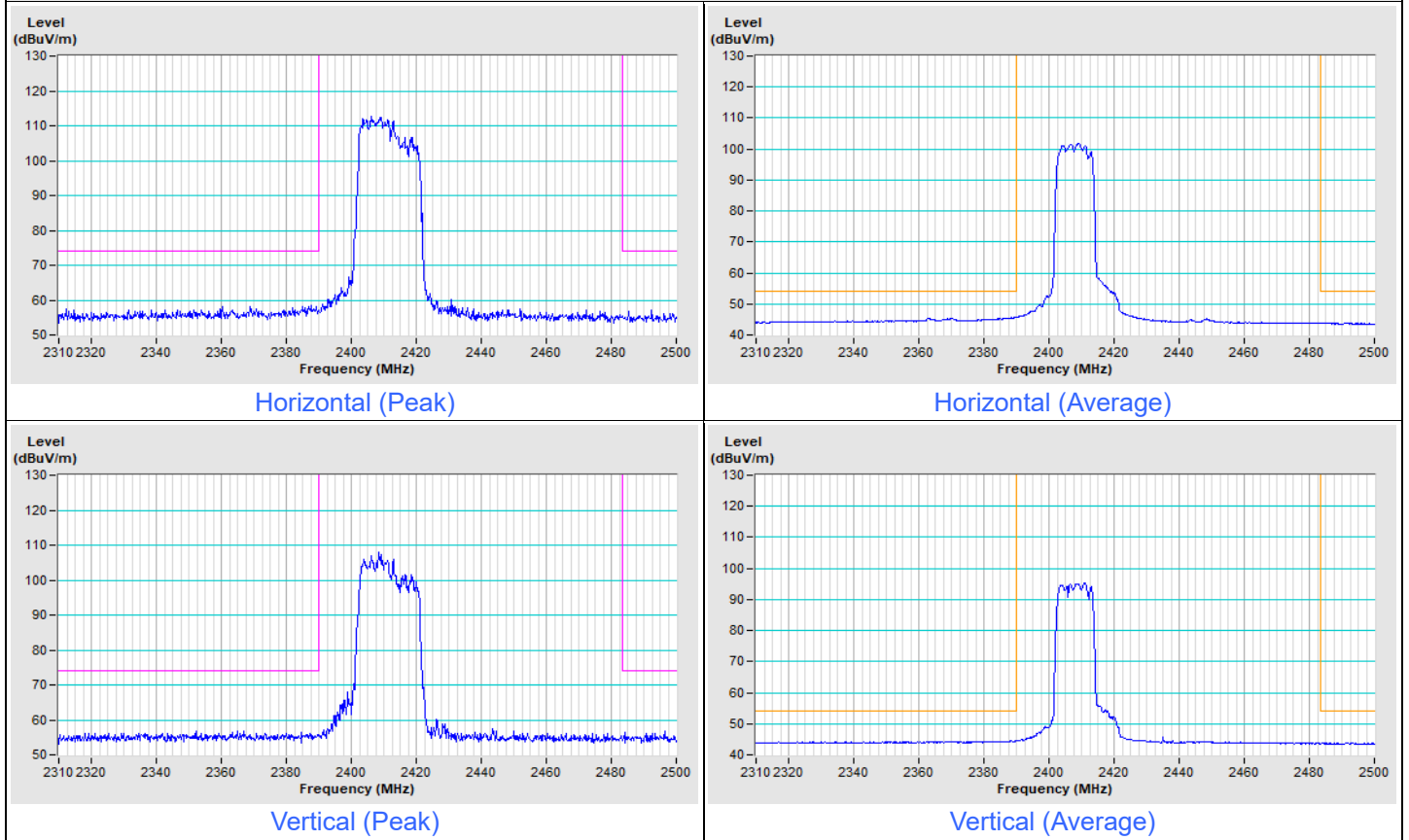
Vertical (Peak)



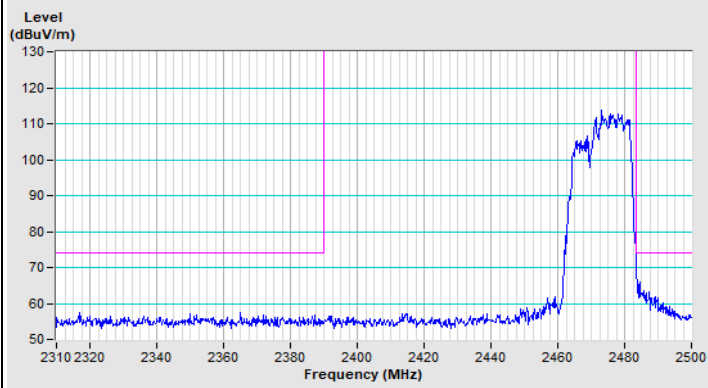
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 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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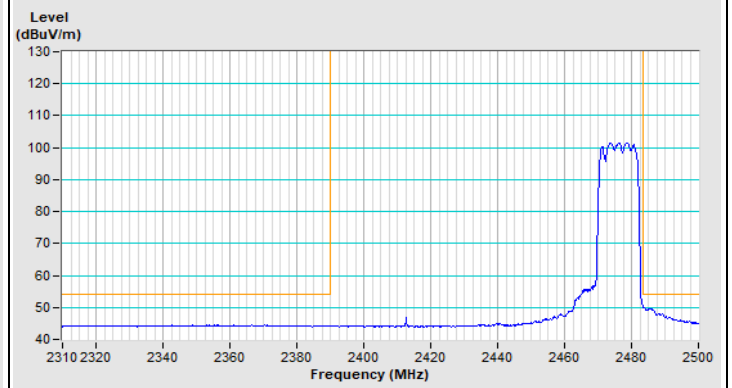
802.11be (EHT20) 106+26-tone MRU Channel 1



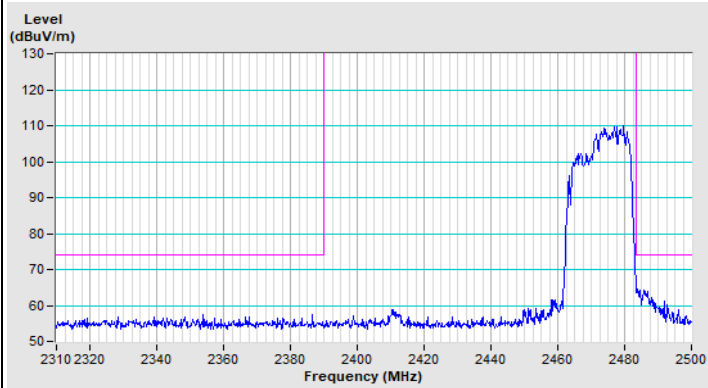
802.11be (EHT20) 106+26-tone MRU Channel 13



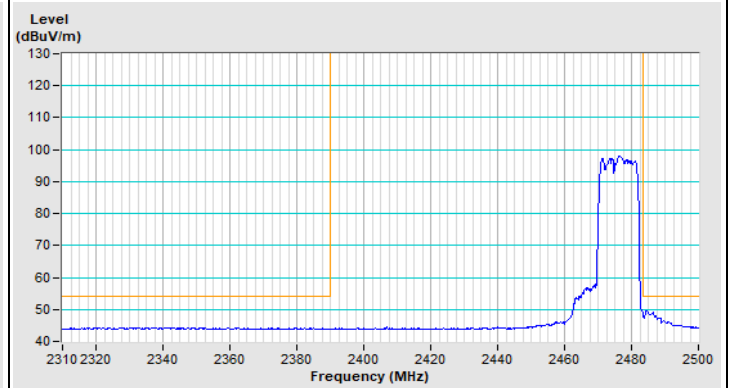
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

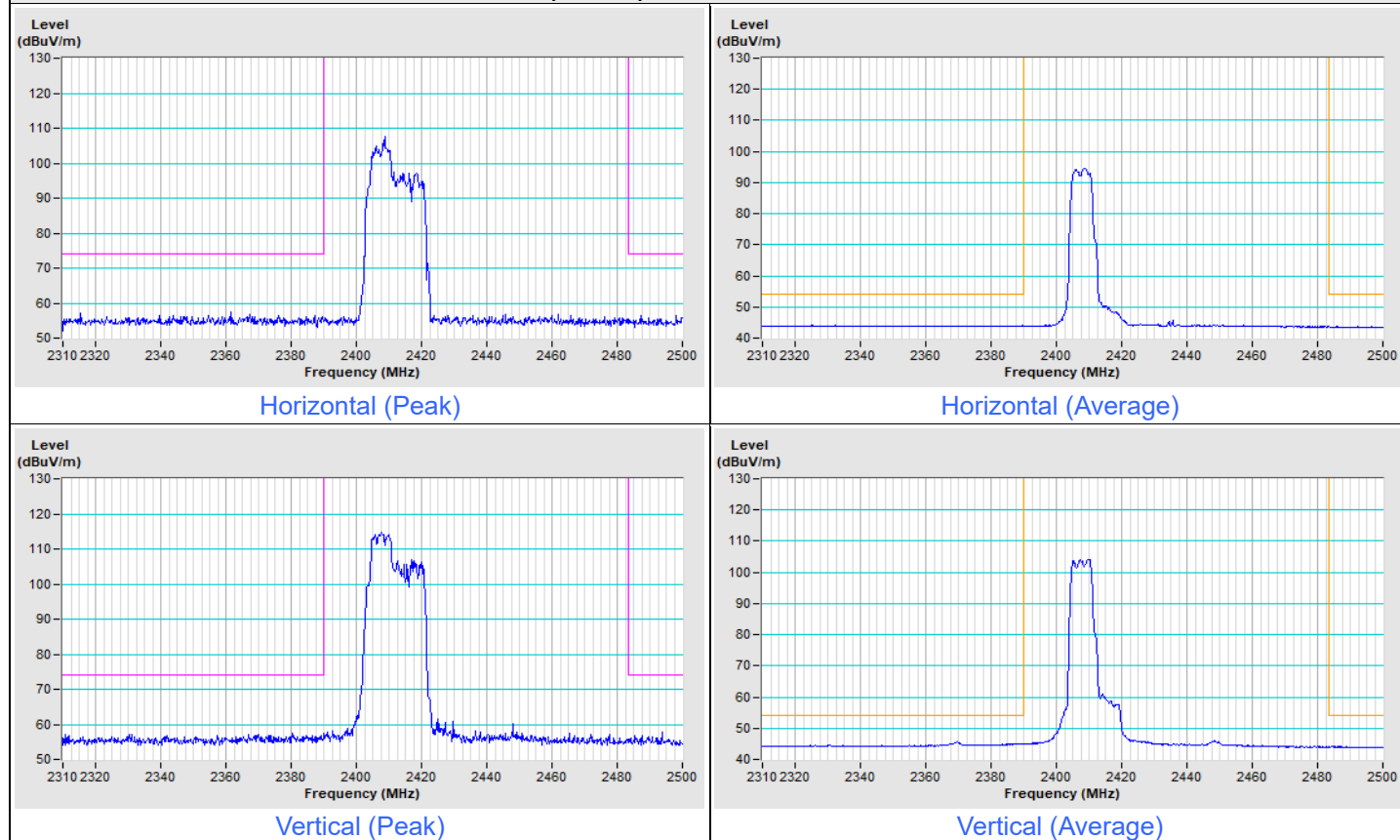


Vertical (Average)

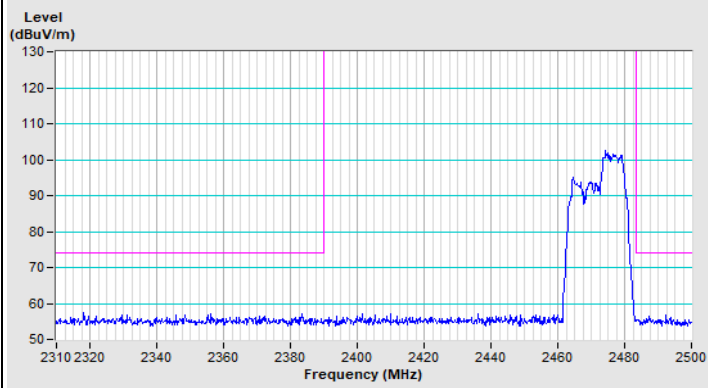
Mode C

Frequency Range	2.31 GHz ~ 2.5 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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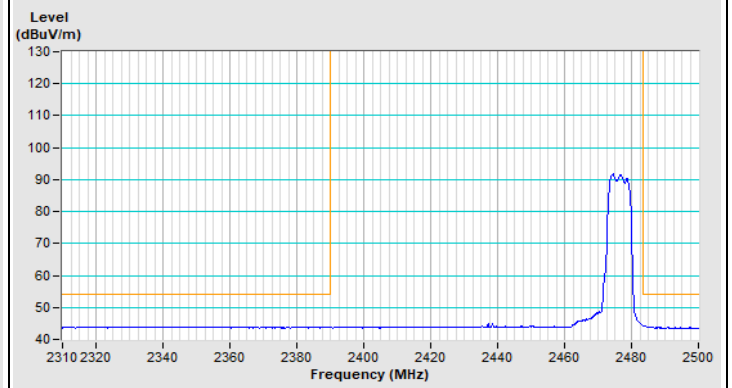
802.11be (EHT20) 52+26-tone MRU Channel 1



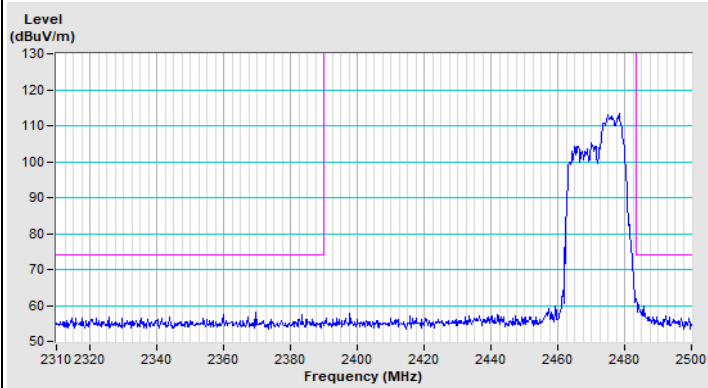
802.11be (EHT20) 52+26-tone MRU Channel 13



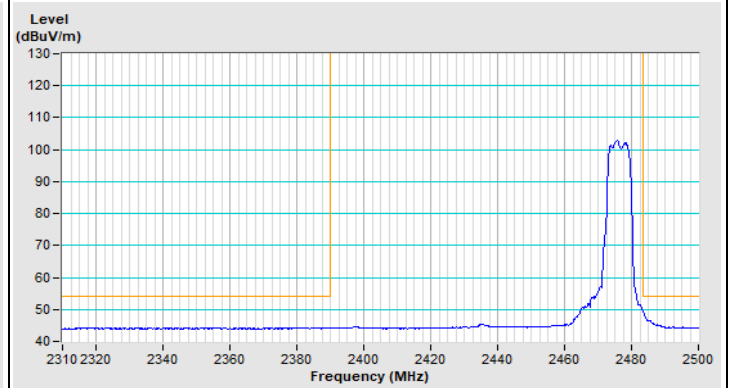
Horizontal (Peak)



Horizontal (Average)



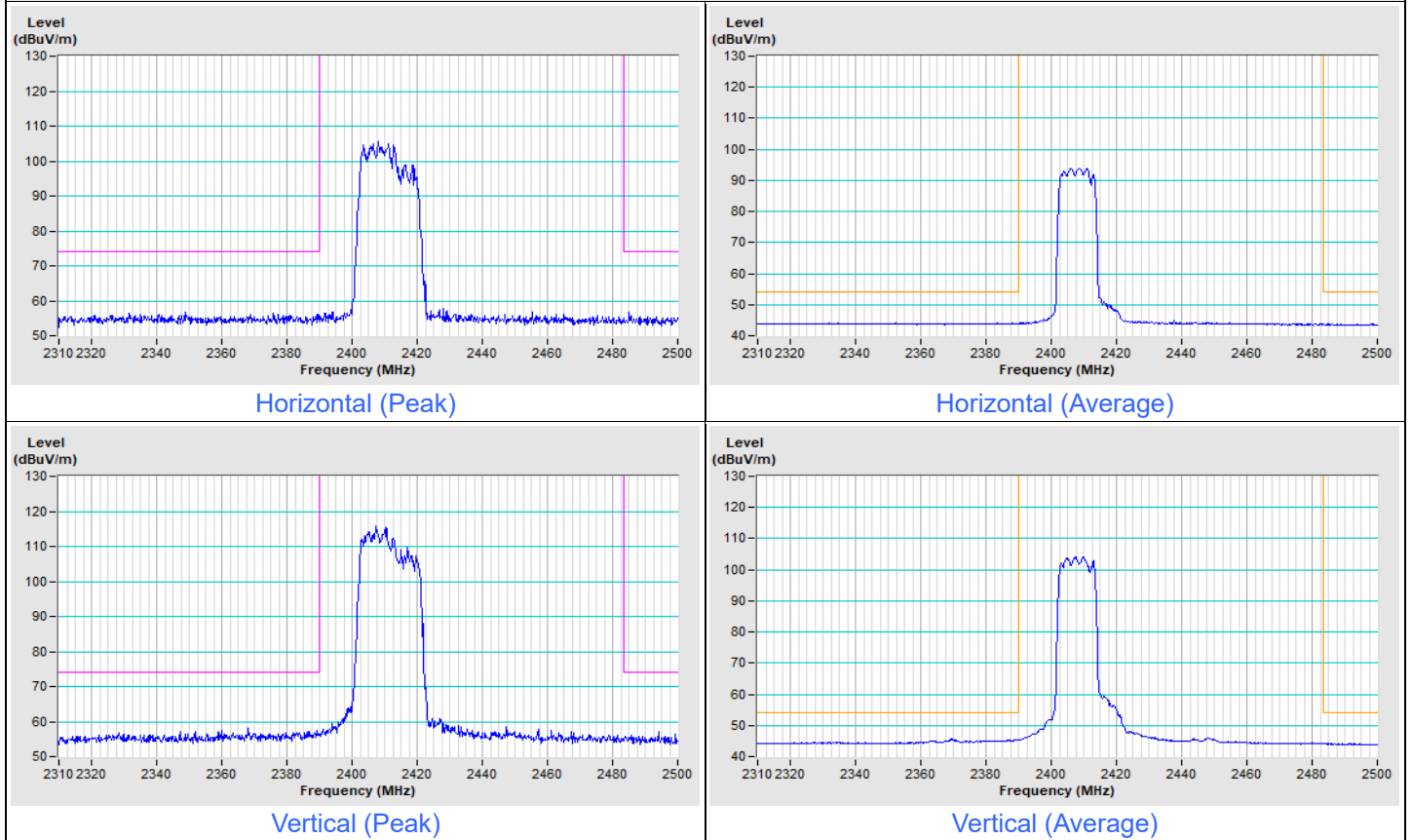
Vertical (Peak)



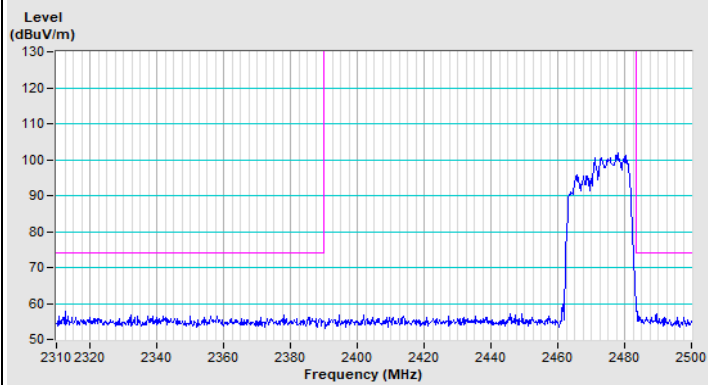
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 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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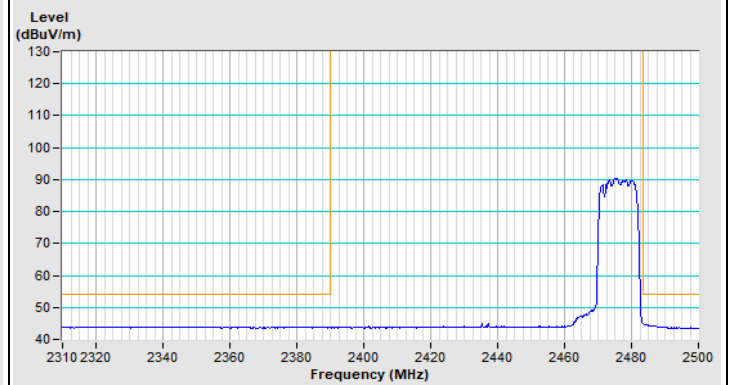
802.11be (EHT20) 106+26-tone MRU Channel 1



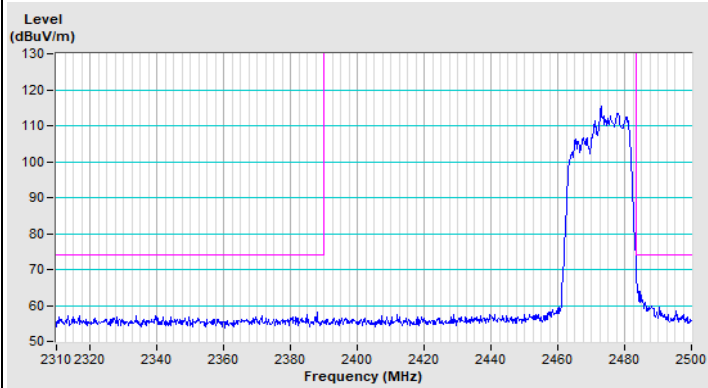
802.11be (EHT20) 106+26-tone MRU Channel 13



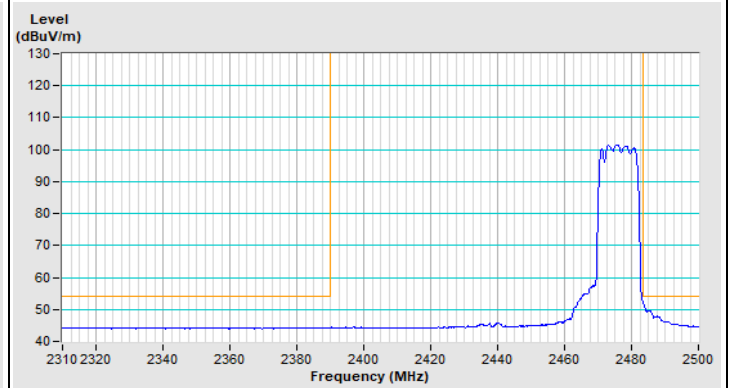
Horizontal (Peak)



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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Fax: 886-2-26051924

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Email: service.adt@bureauveritas.com

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

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

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