

802.11g Out-of-Band Emissions - Ant 0

Channel 01 (2412MHz)

Low Band Edge

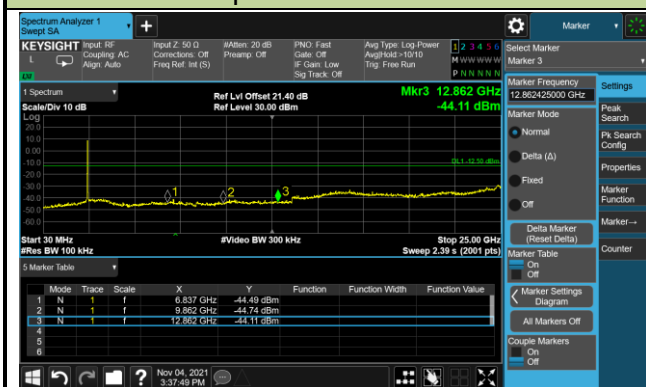


Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)

High Band Edge



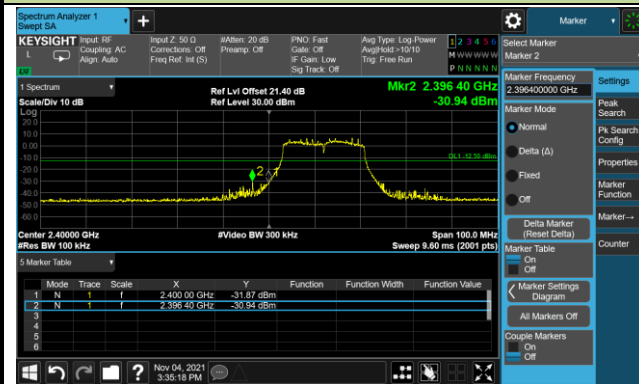
Spurious Emission



802.11n-HT20 Out-of-Band Emissions - Ant 0

Channel 01 (2412MHz)

Low Band Edge



Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)

High Band Edge



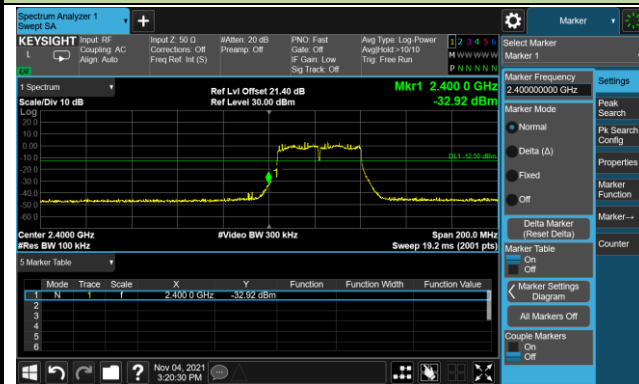
Spurious Emission



802.11n-HT40 Out-of-Band Emissions - Ant 0

Channel 03 (2422MHz)

Low Band Edge

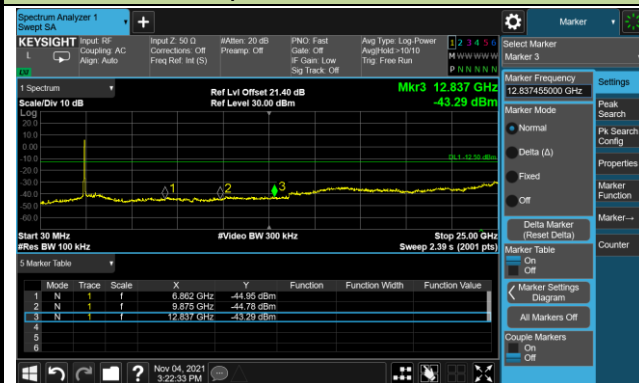


Spurious Emission



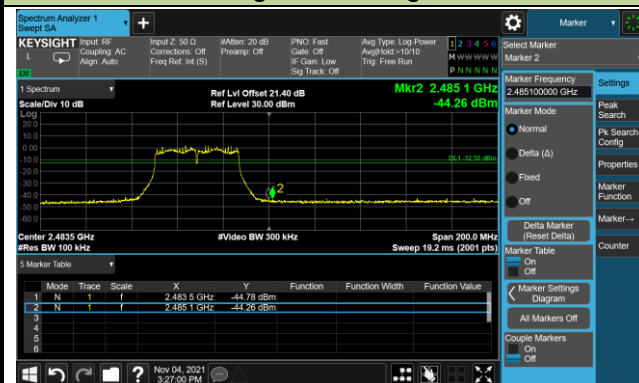
Channel 06 (2437MHz)

Spurious Emission



Channel 09 (2452MHz)

High Band Edge



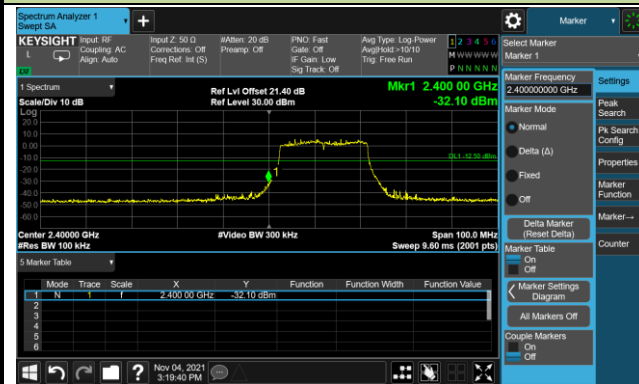
Spurious Emission



802.11ax-HE20 Out-of-Band Emissions - Ant 0

Channel 01 (2412MHz)

Low Band Edge

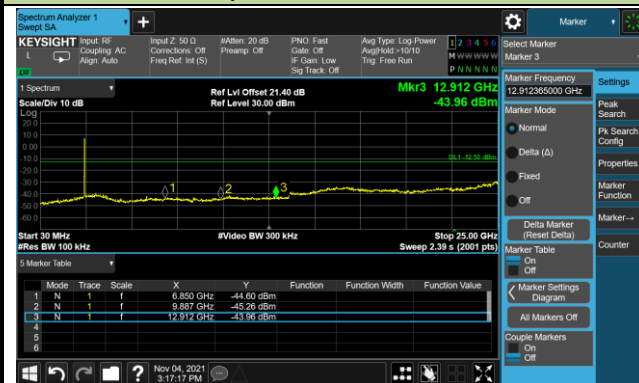


Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)

High Band Edge



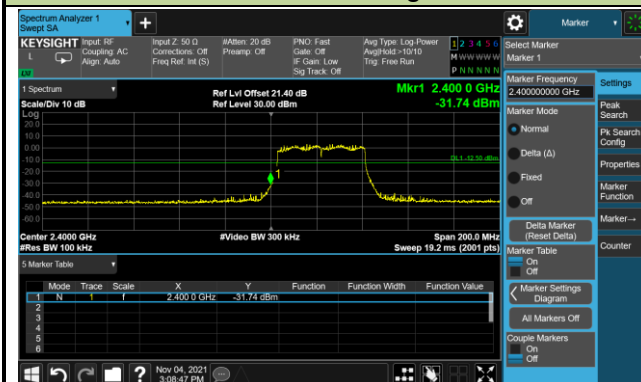
Spurious Emission



802.11ax-HE40 Out-of-Band Emissions - Ant 0

Channel 03 (2422MHz)

Low Band Edge



Spurious Emission



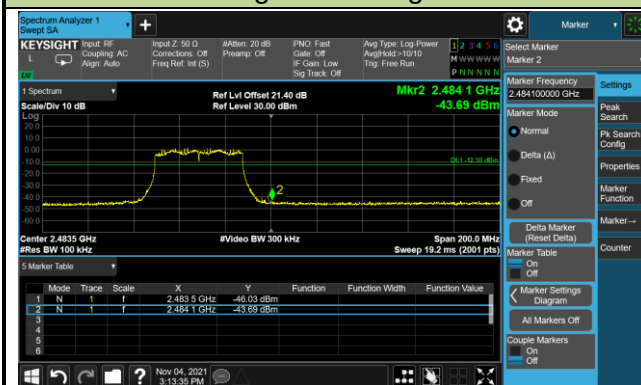
Channel 06 (2437MHz)

Spurious Emission



Channel 09 (2452MHz)

High Band Edge



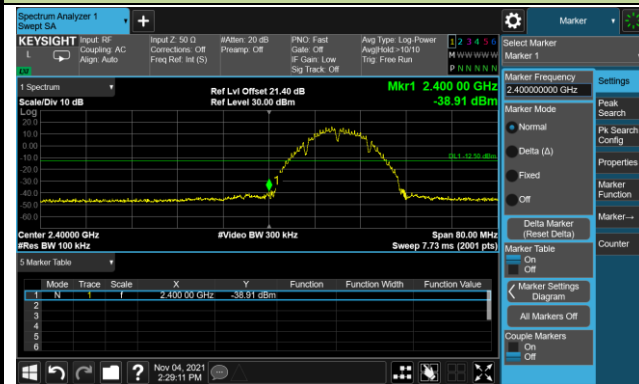
Spurious Emission



802.11b Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

Low Band Edge

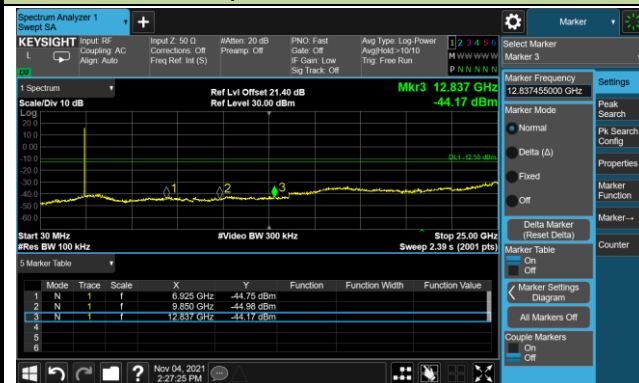


Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)

High Band Edge



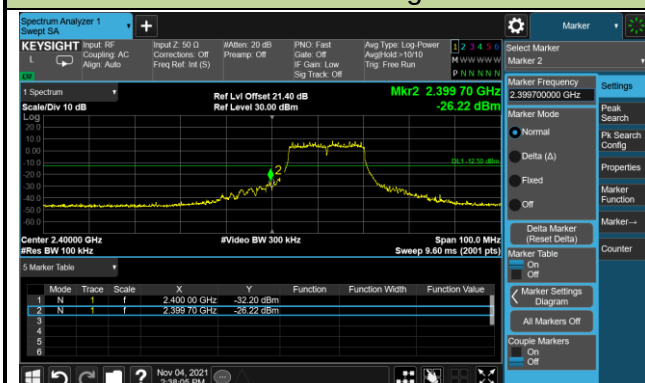
Spurious Emission



802.11g Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

Low Band Edge



Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)

High Band Edge



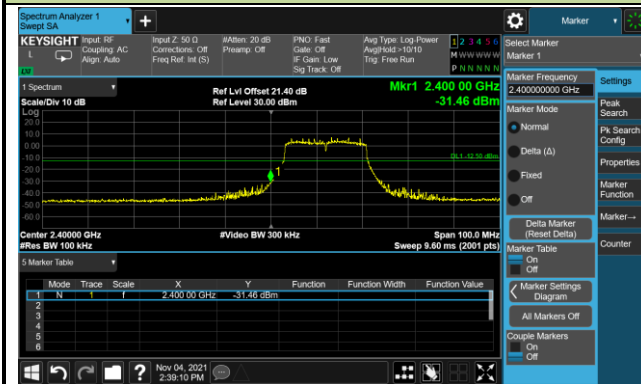
Spurious Emission



802.11n-HT20 Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

Low Band Edge



Spurious Emission



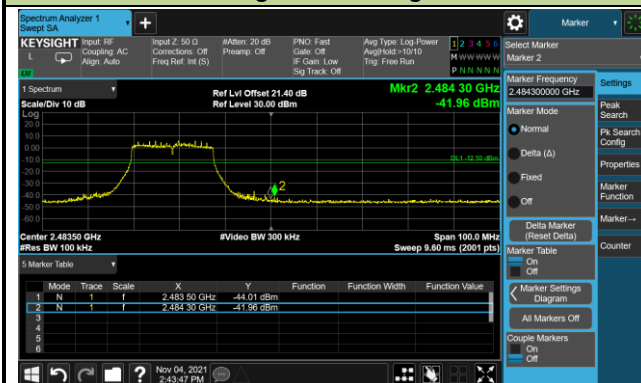
Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)

High Band Edge



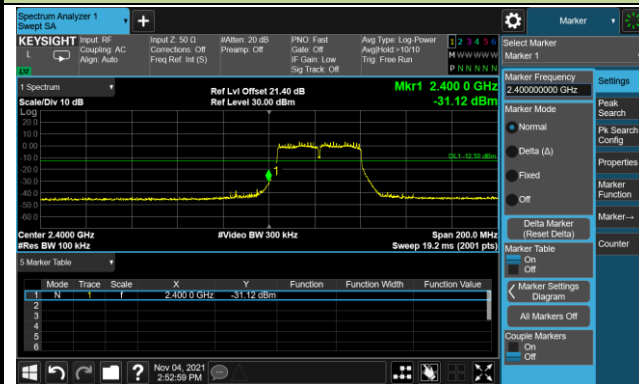
Spurious Emission



802.11n-HT40 Out-of-Band Emissions - Ant 1

Channel 03 (2422MHz)

Low Band Edge

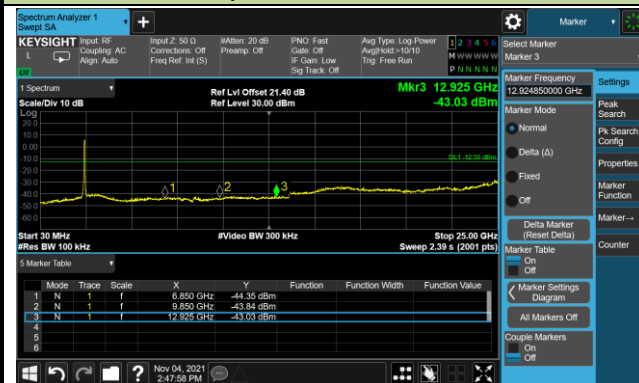


Spurious Emission



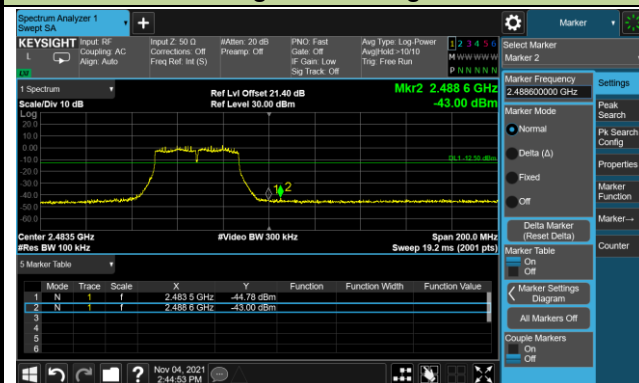
Channel 06 (2437MHz)

Spurious Emission



Channel 09 (2452MHz)

High Band Edge



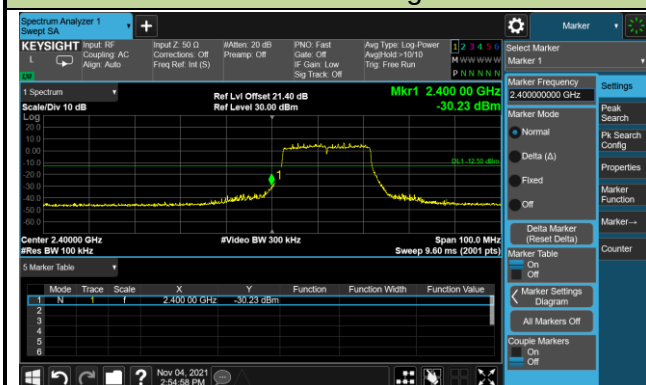
Spurious Emission



802.11ax-HE20 Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

Low Band Edge



Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)

High Band Edge



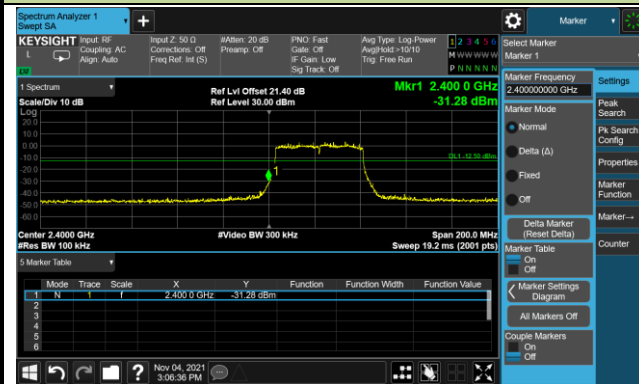
Spurious Emission



802.11ax-HE40 Out-of-Band Emissions - Ant 1

Channel 03 (2422MHz)

Low Band Edge

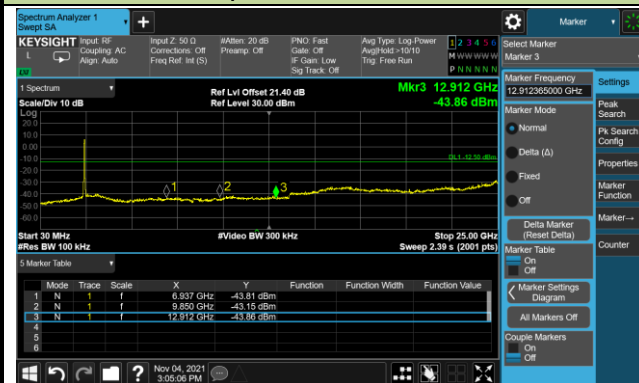


Spurious Emission



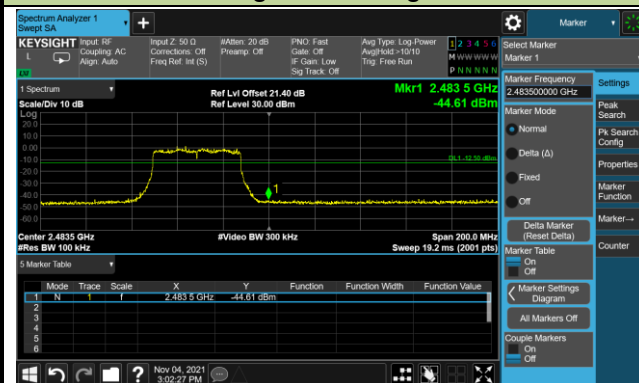
Channel 06 (2437MHz)

Spurious Emission



Channel 09 (2452MHz)

High Band Edge



Spurious Emission



7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [μ V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

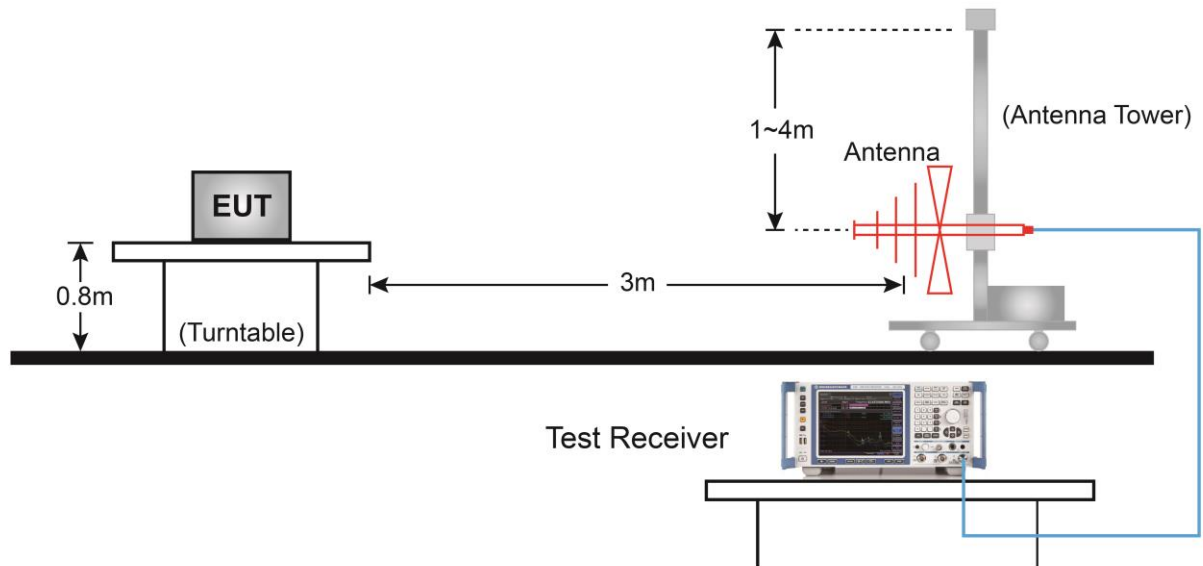
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.

If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.

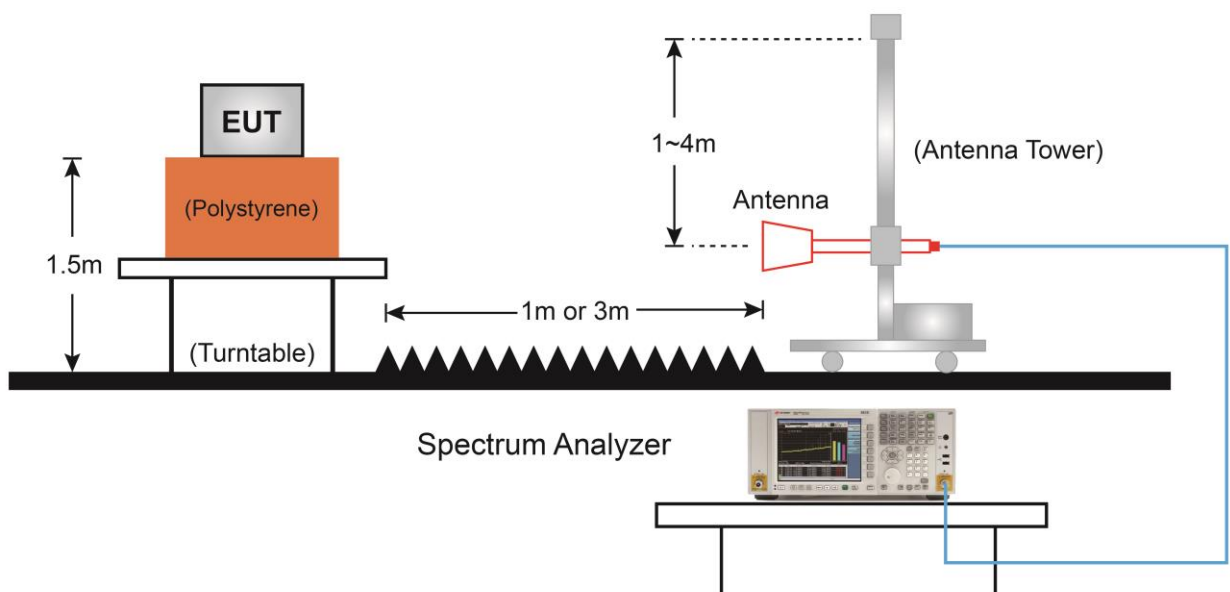
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.6.4.Test Setup

Below 1GHz Test Setup:

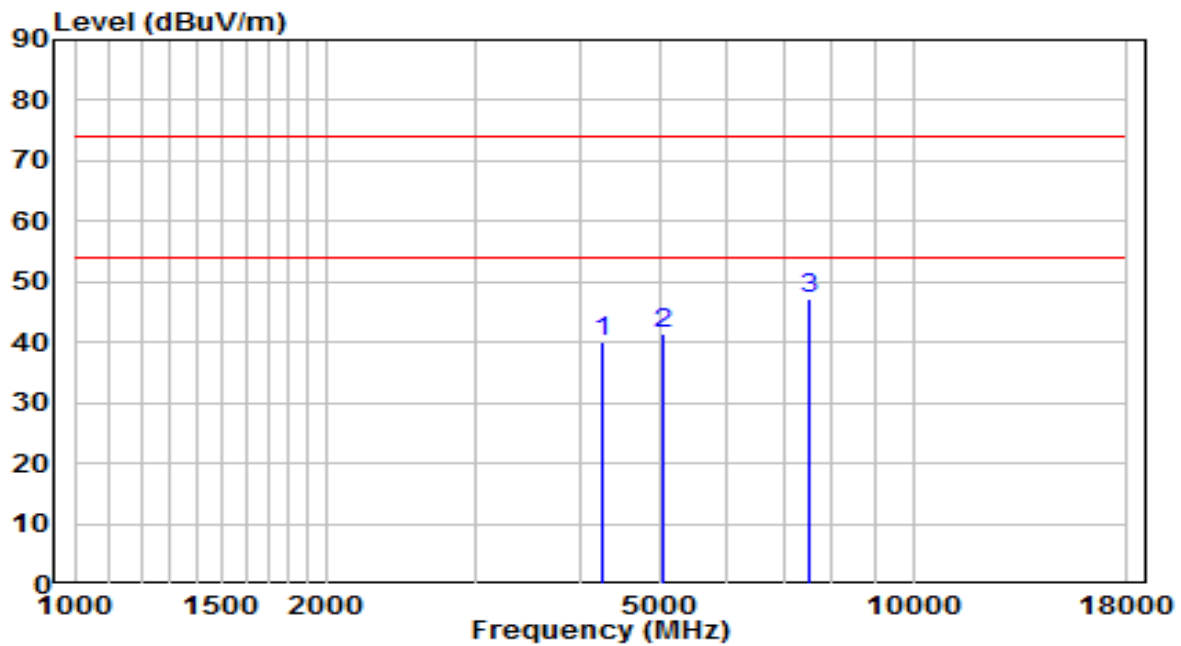


Above 1GHz Test Setup:



7.6.5. Test Result

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	AC 120V/60Hz

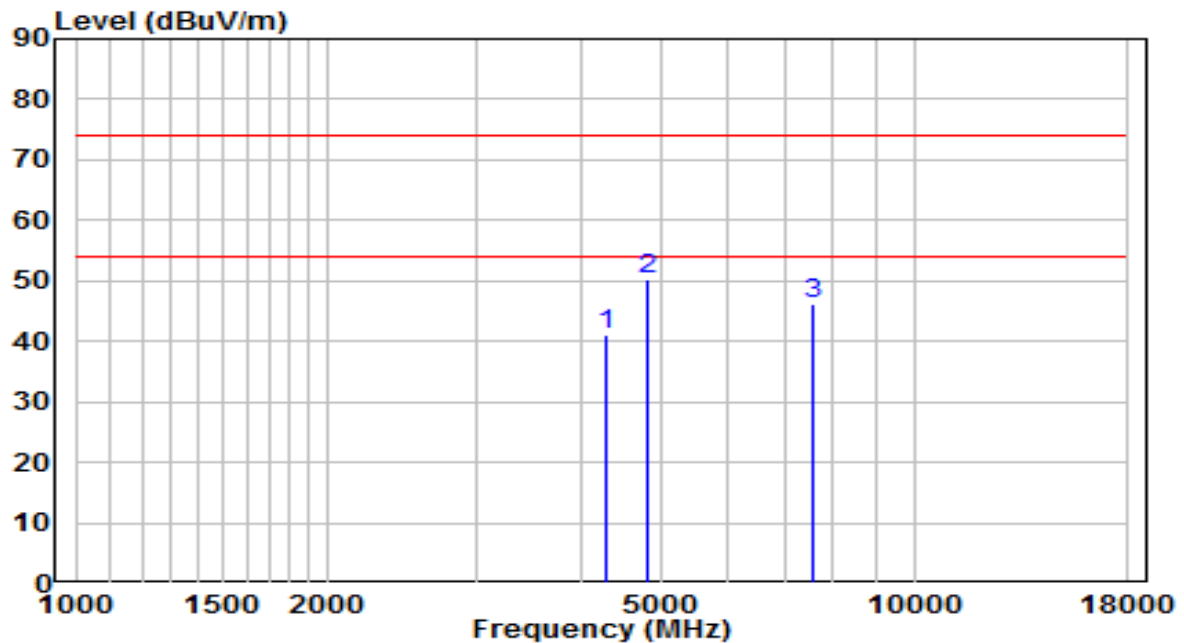


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4264.000	37.90	2.17	40.07	-33.93	74.00	Peak
2	5029.000	37.39	4.00	41.39	-32.61	74.00	Peak
3	* 7502.500	34.04	13.02	47.06	-26.94	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	AC 120V/60Hz

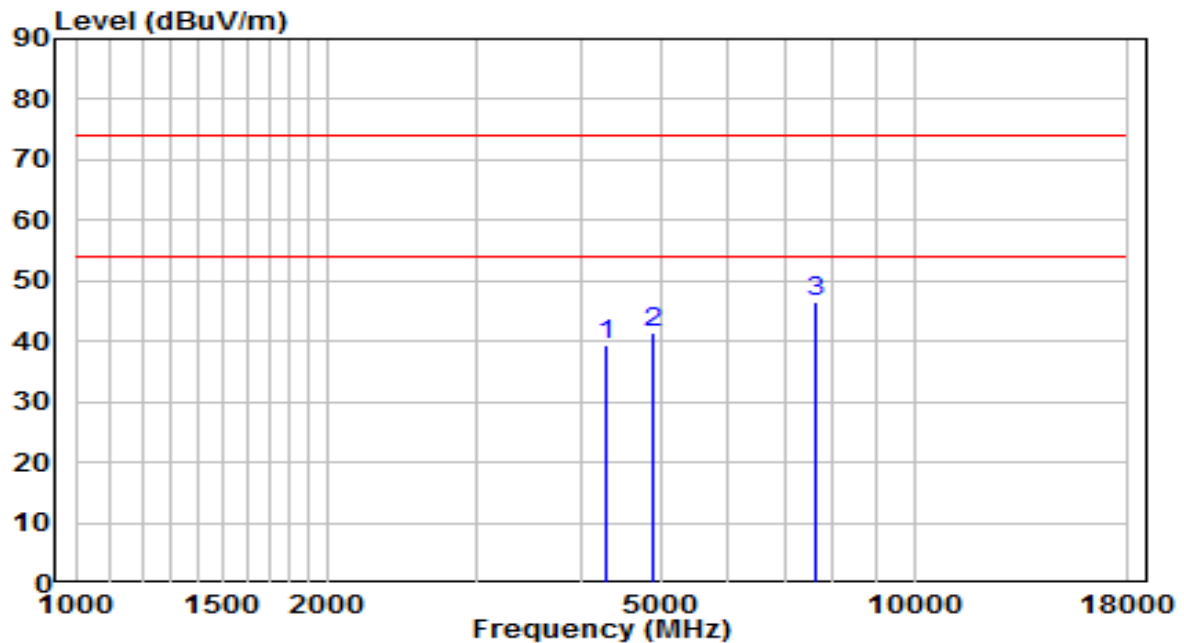


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	4289.500	38.76	2.26	41.02	-32.98	74.00	Peak
2	* 4825.000	46.61	3.64	50.24	-23.76	74.00	Peak
3	7579.000	33.20	13.08	46.28	-27.72	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	AC 120V/60Hz

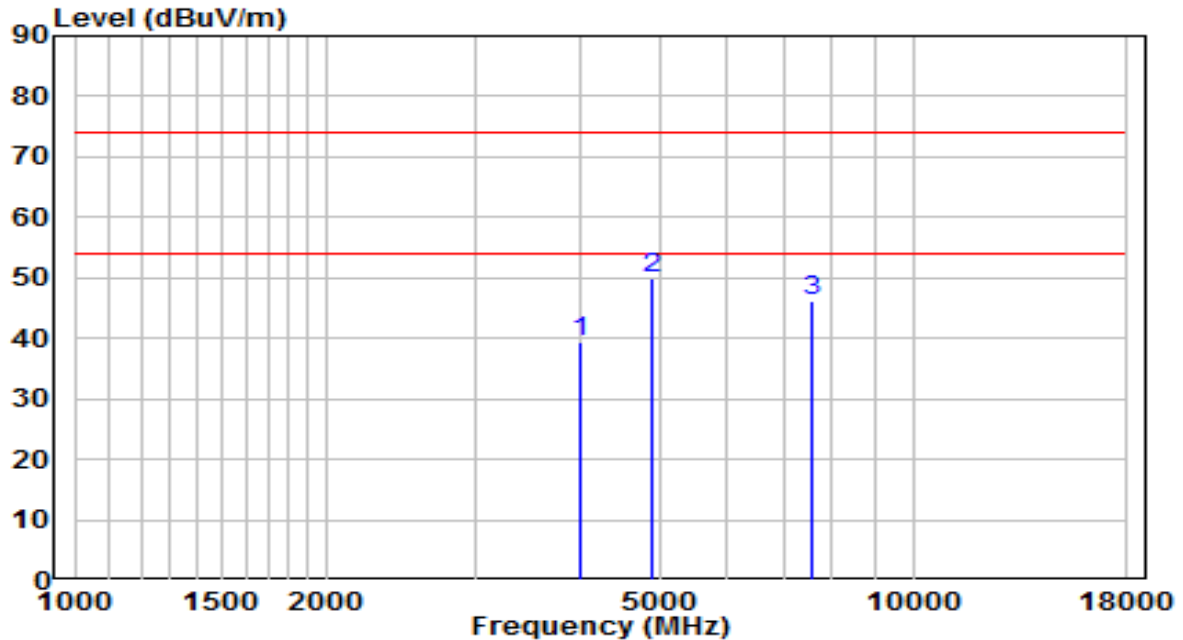


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4306.500	36.94	2.33	39.26	-34.74	74.00	Peak
2	4876.000	37.69	3.73	41.42	-32.58	74.00	Peak
3	* 7655.500	33.23	13.14	46.37	-27.63	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	AC 120V/60Hz

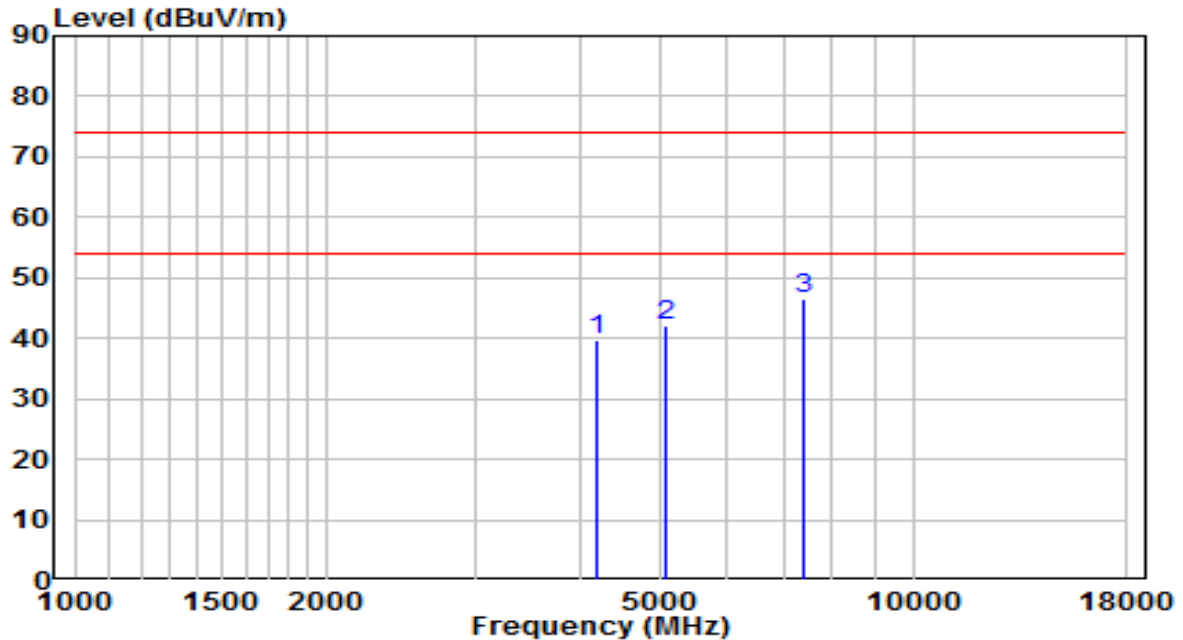


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	4017.500	38.05	1.25	39.29	-34.71	74.00	Peak
2	* 4876.000	46.06	3.73	49.79	-24.21	74.00	Peak
3	7562.000	32.98	13.07	46.05	-27.95	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	AC 120V/60Hz

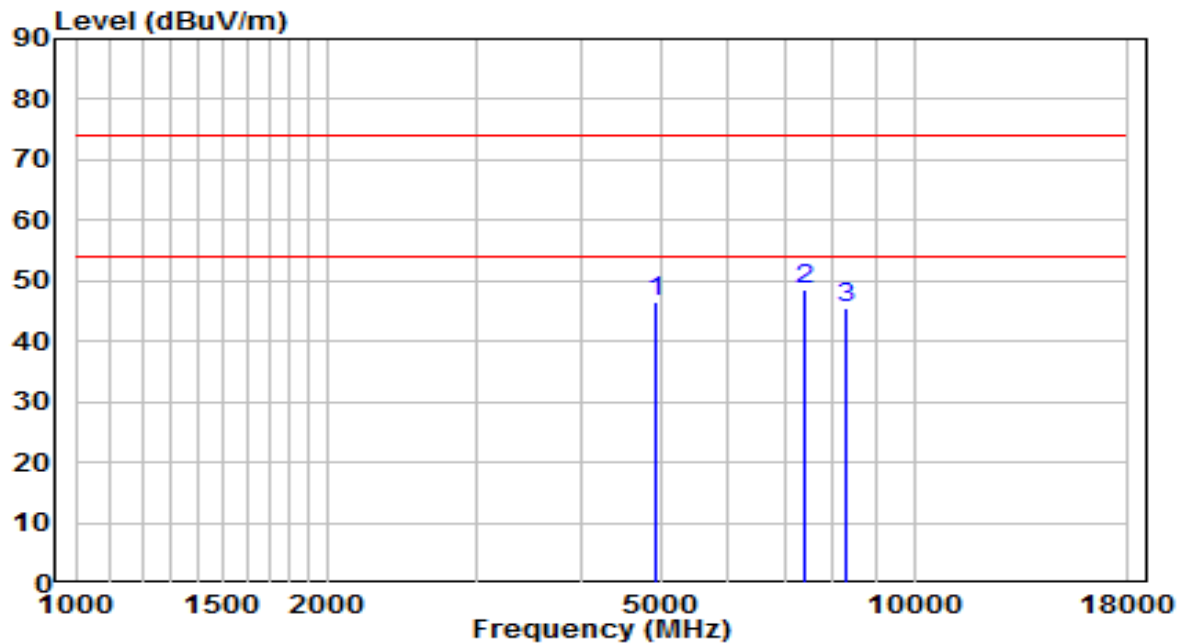


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	4187.500	37.75	1.88	39.64	-34.36	74.00	Peak
2	5054.500	38.14	4.04	42.18	-31.82	74.00	Peak
3	* 7383.500	34.06	12.50	46.56	-27.44	74.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
- Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	AC 120V/60Hz

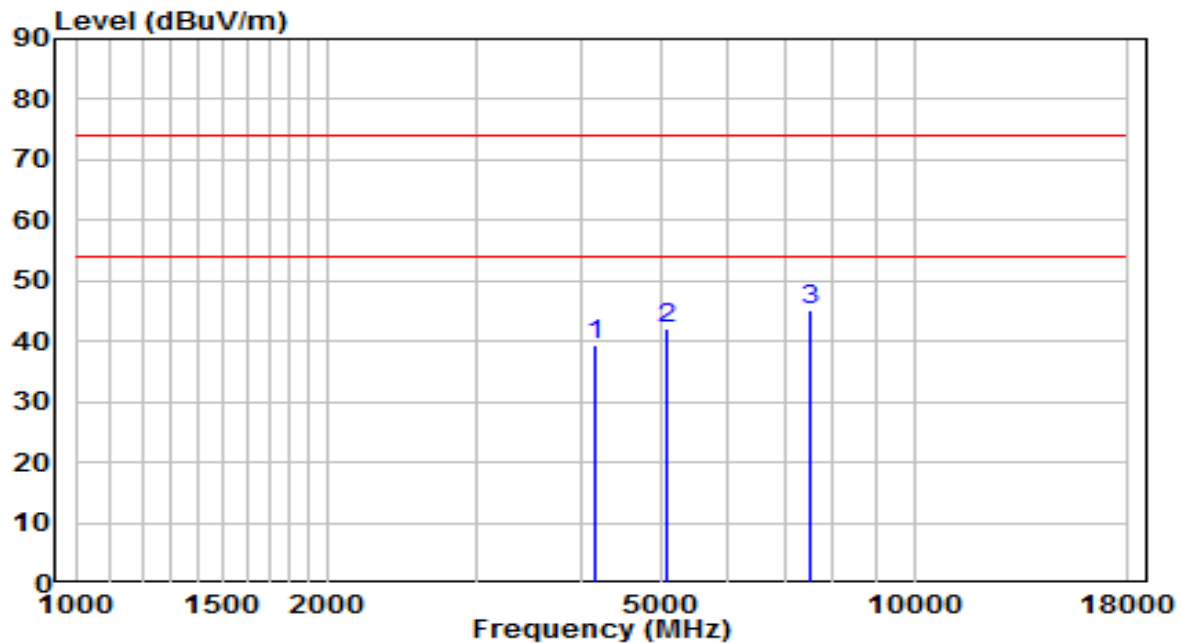


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4927.000	42.86	3.82	46.68	-27.32	74.00	Peak
2	* 7383.500	35.95	12.50	48.45	-25.55	74.00	Peak
3	8284.500	32.10	13.56	45.66	-28.34	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	AC 120V/60Hz

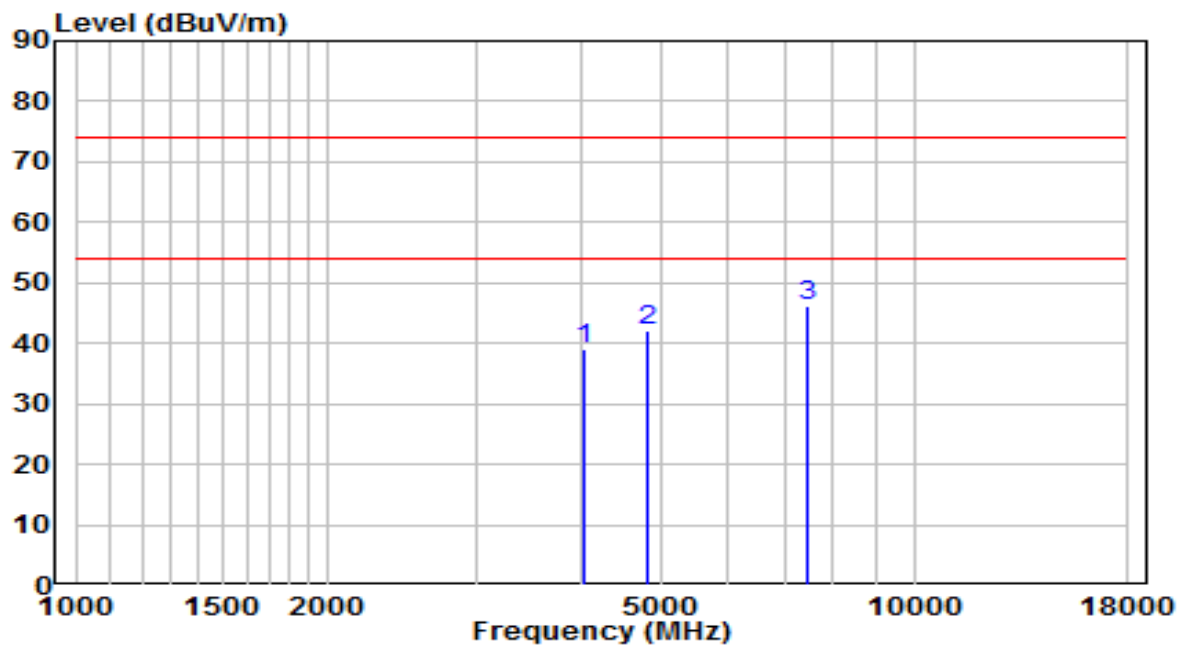


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	4162.000	37.57	1.79	39.36	-34.64	74.00	Peak
2	5071.500	38.09	4.07	42.15	-31.85	74.00	Peak
3	* 7502.500	32.24	13.02	45.26	-28.74	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	AC 120V/60Hz

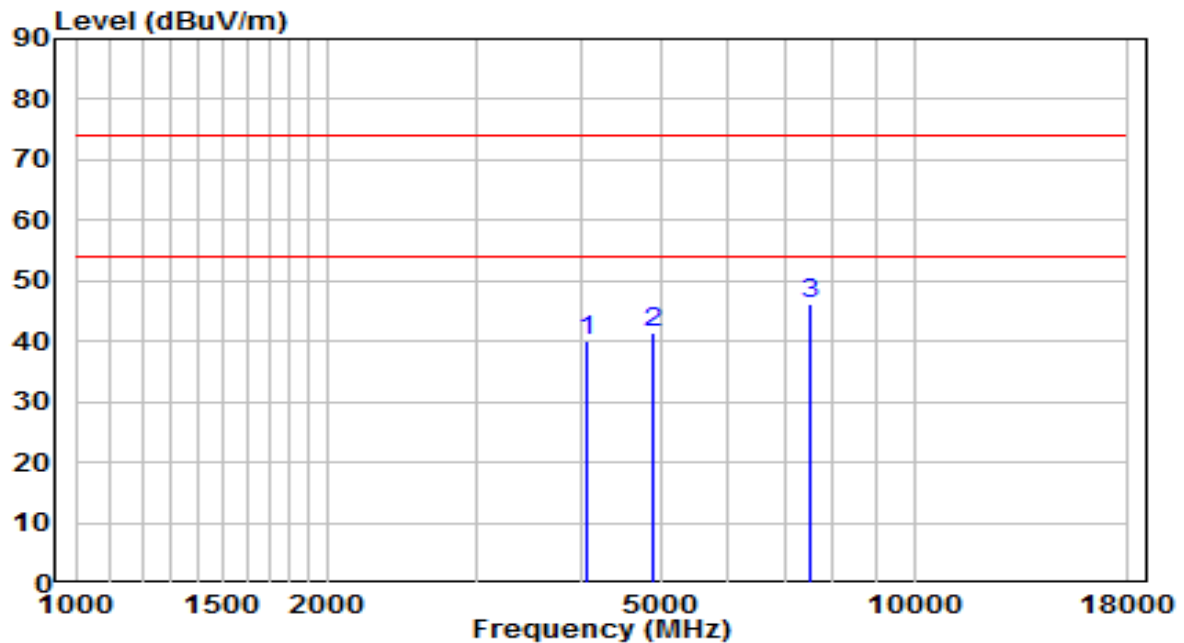


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4043.000	37.62	1.34	38.96	-35.04	74.00	Peak
2	4825.000	38.50	3.64	42.13	-31.87	74.00	Peak
3	* 7468.500	33.19	12.88	46.06	-27.94	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at Channel 2437MHz	Test Voltage	AC 120V/60Hz

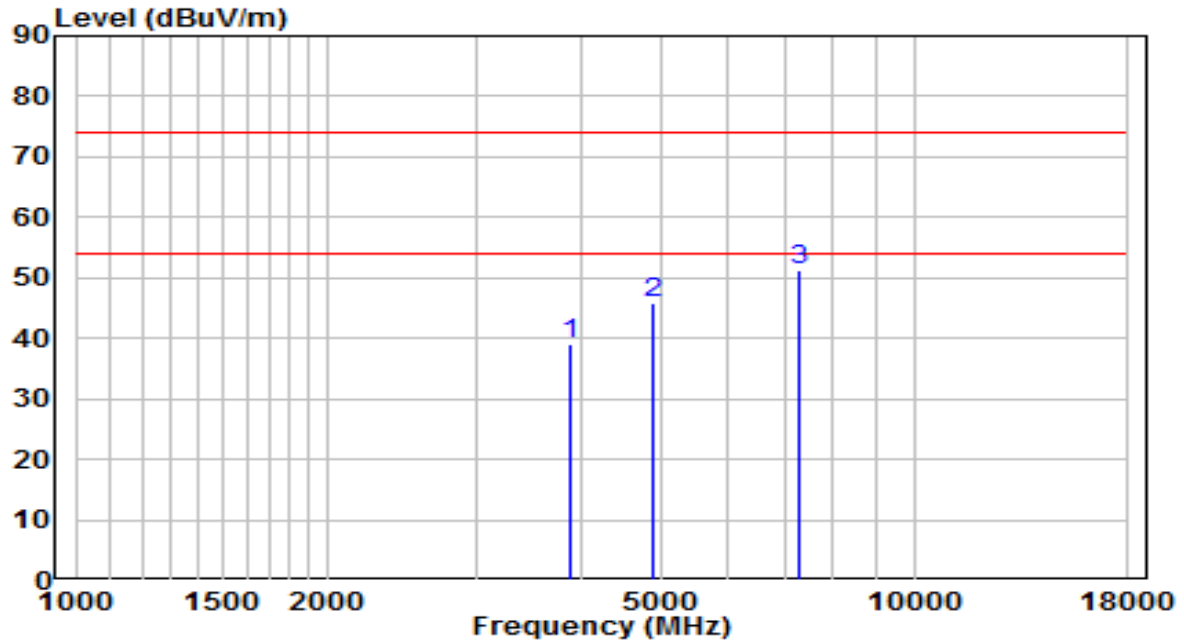


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4077.000	38.51	1.47	39.98	-34.02	74.00	Peak
2	4884.500	37.59	3.74	41.33	-32.67	74.00	Peak
3	* 7511.000	33.11	13.02	46.13	-27.87	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at Channel 2437MHz	Test Voltage	AC 120V/60Hz

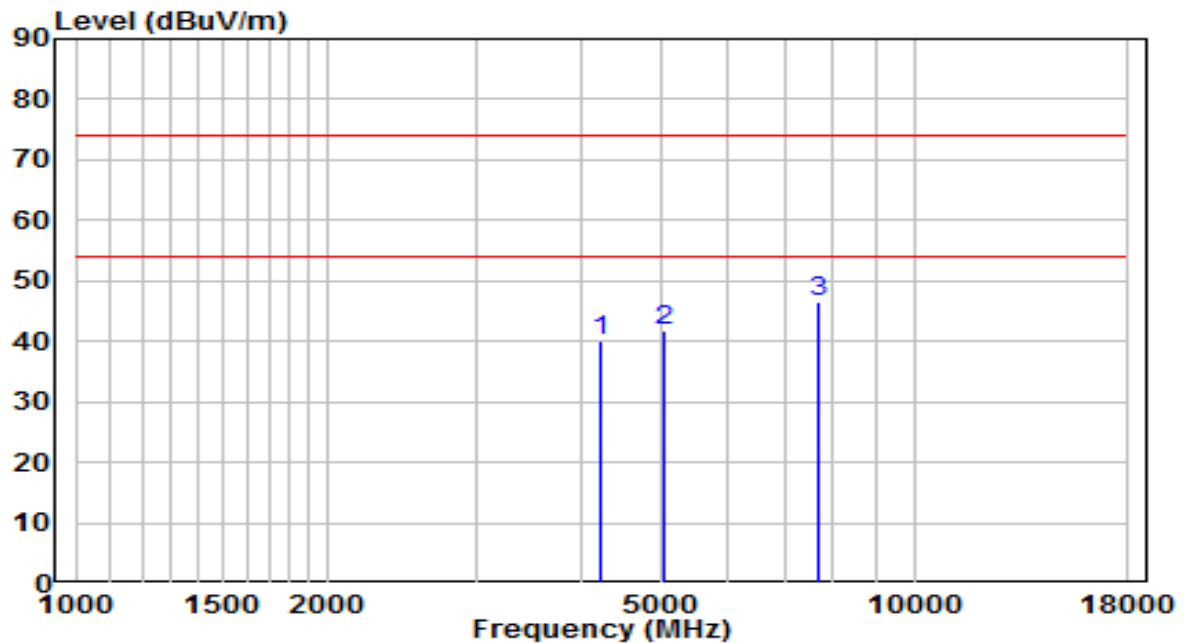


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3890.000	38.10	0.85	38.95	-35.05	74.00	Peak
2	4876.000	42.09	3.73	45.81	-28.19	74.00	Peak
3	* 7315.500	39.18	12.20	51.38	-22.62	74.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
- Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	AC 120V/60Hz

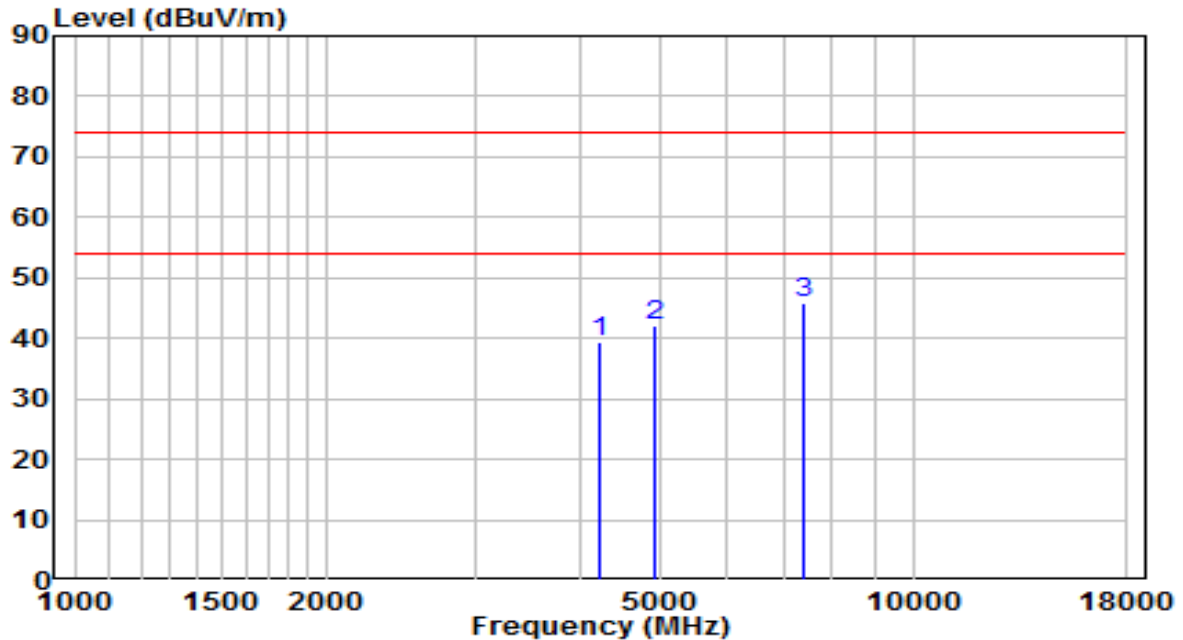


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4238.500	37.84	2.07	39.92	-34.08	74.00	Peak
2	5020.500	37.62	3.98	41.60	-32.40	74.00	Peak
3	* 7664.000	33.26	13.15	46.41	-27.59	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	AC 120V/60Hz

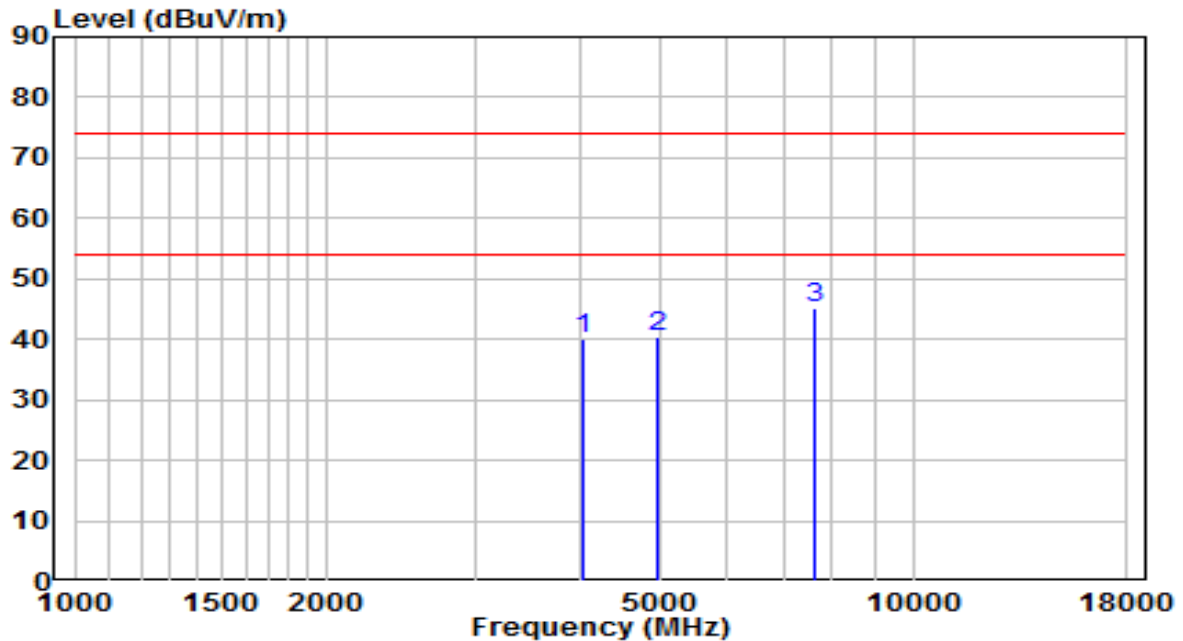


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4238.500	37.48	2.07	39.56	-34.44	74.00	Peak
2	4927.000	38.18	3.82	42.00	-32.00	74.00	Peak
3	* 7400.500	33.35	12.57	45.92	-28.08	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	AC 120V/60Hz

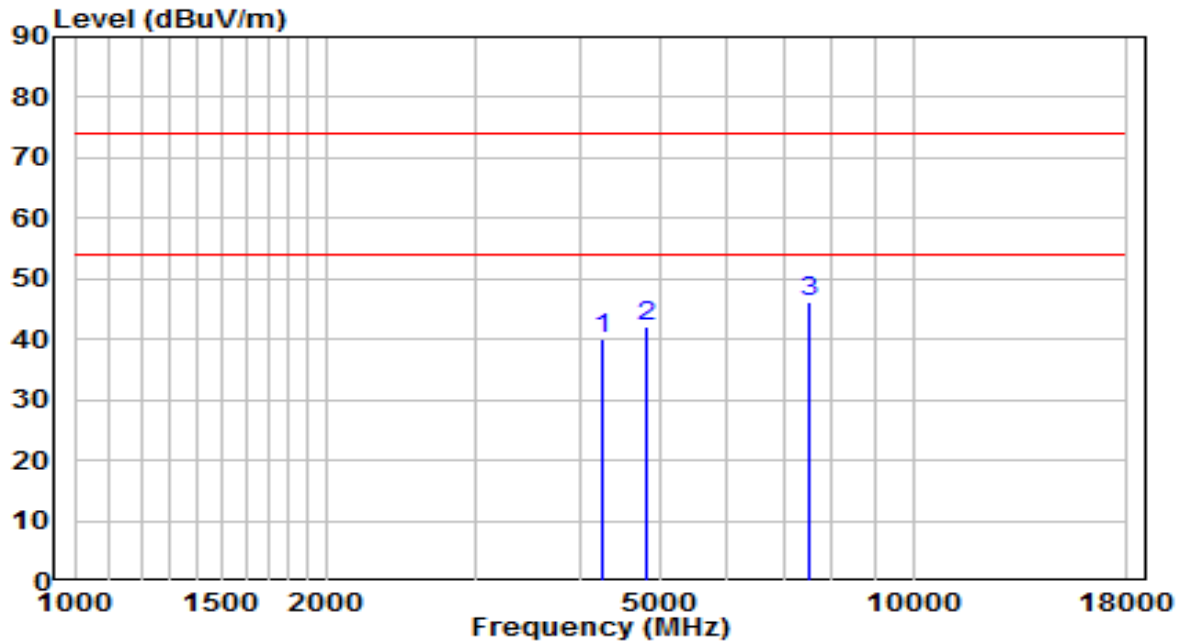


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4034.500	38.66	1.31	39.97	-34.03	74.00	Peak
2	4961.000	36.55	3.88	40.43	-33.57	74.00	Peak
3	* 7613.000	32.12	13.11	45.23	-28.77	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	AC 120V/60Hz

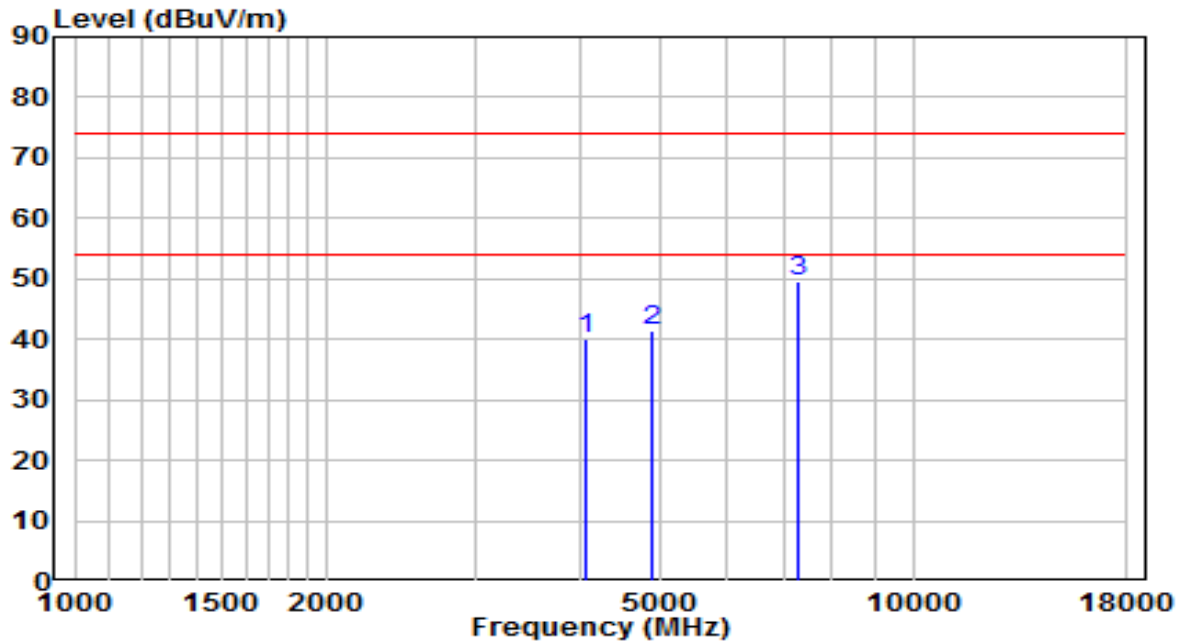


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4272.500	37.78	2.20	39.98	-34.02	74.00	Peak
2	4825.000	38.41	3.64	42.04	-31.96	74.00	Peak
3	* 7502.500	33.22	13.02	46.23	-27.77	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

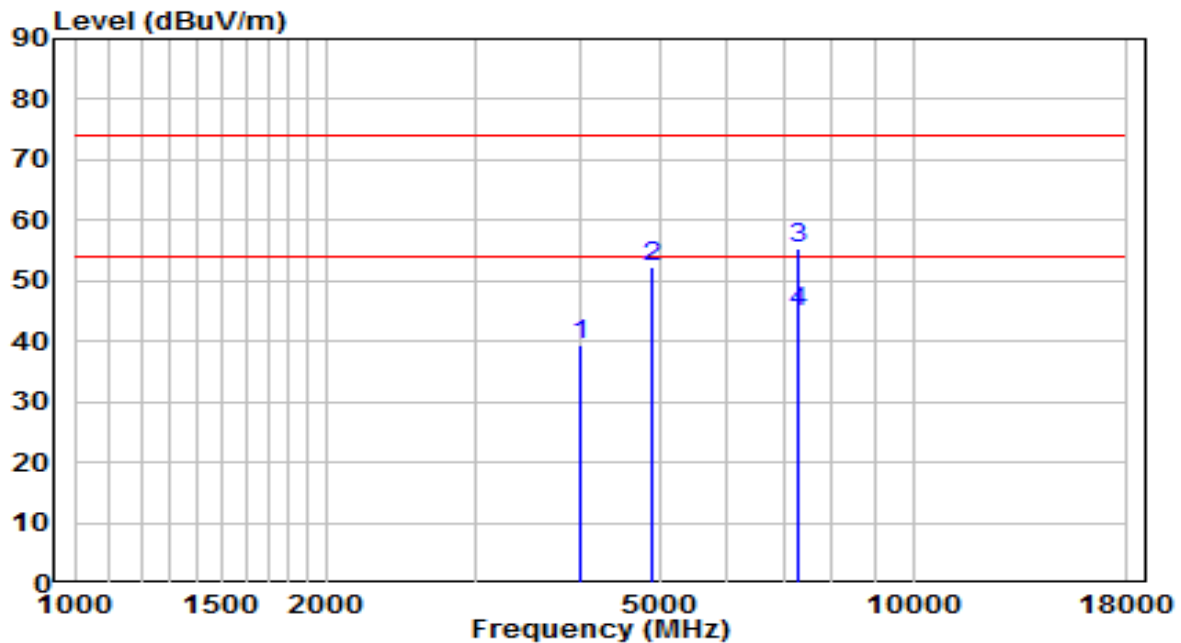


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4077.000	38.55	1.47	40.02	-33.98	74.00	Peak
2	4876.000	37.84	3.73	41.57	-32.43	74.00	Peak
3	* 7307.000	37.58	12.16	49.74	-24.26	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

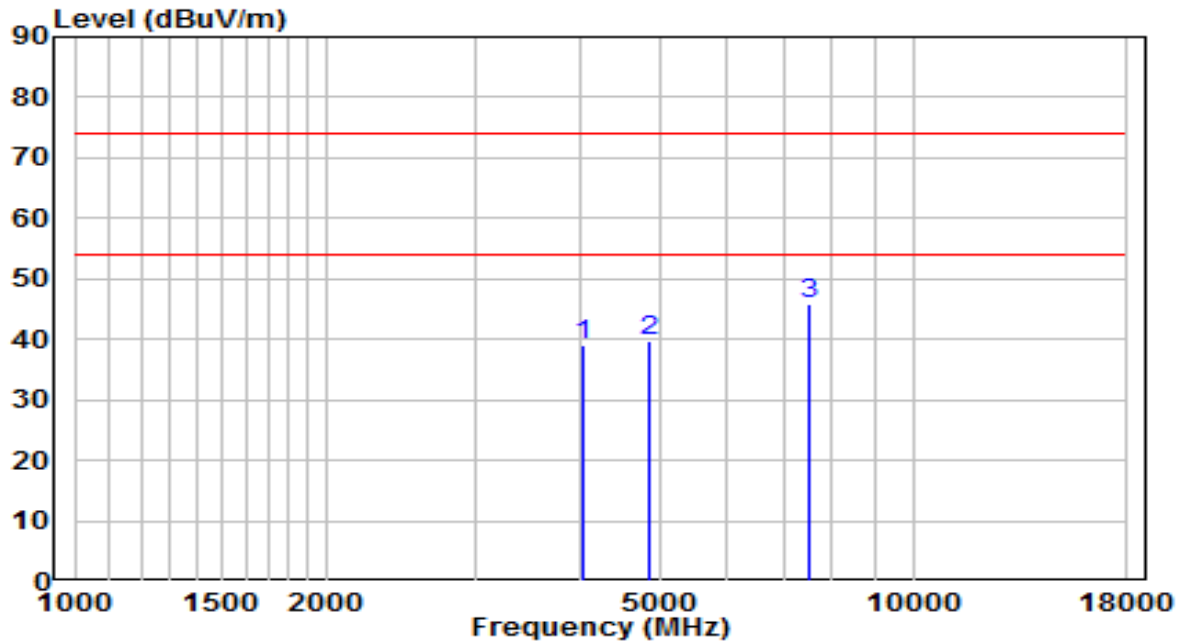


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4000.500	38.21	1.18	39.39	-34.61	74.00	Peak
2	4876.000	48.58	3.73	52.31	-21.69	74.00	Peak
3	7307.000	43.10	12.16	55.26	-18.74	74.00	Peak
4	* 7310.500	32.67	12.18	44.85	-9.15	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	AC 120V/60Hz

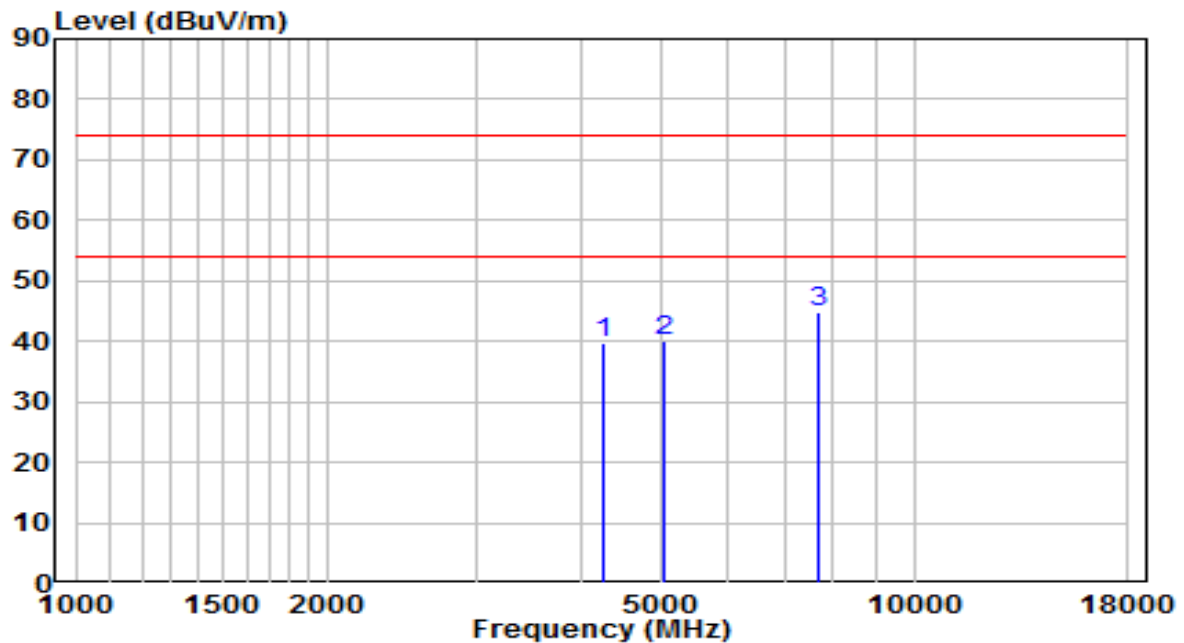


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4051.500	37.64	1.37	39.01	-34.99	74.00	Peak
2	4833.500	36.22	3.65	39.87	-34.13	74.00	Peak
3	* 7519.500	32.87	13.03	45.90	-28.10	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.1°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	AC 120V/60Hz

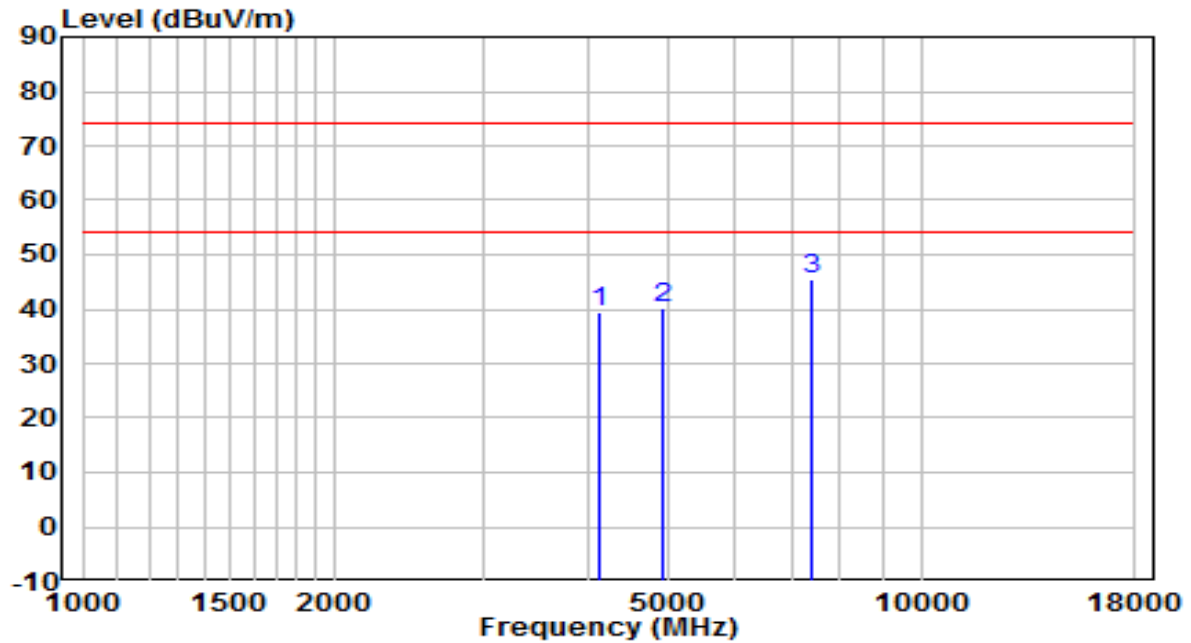


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4264.000	37.44	2.17	39.60	-34.40	74.00	Peak
2	5046.000	35.94	4.03	39.97	-34.03	74.00	Peak
3	* 7698.000	31.81	13.18	44.99	-29.01	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	AC 120V/60Hz

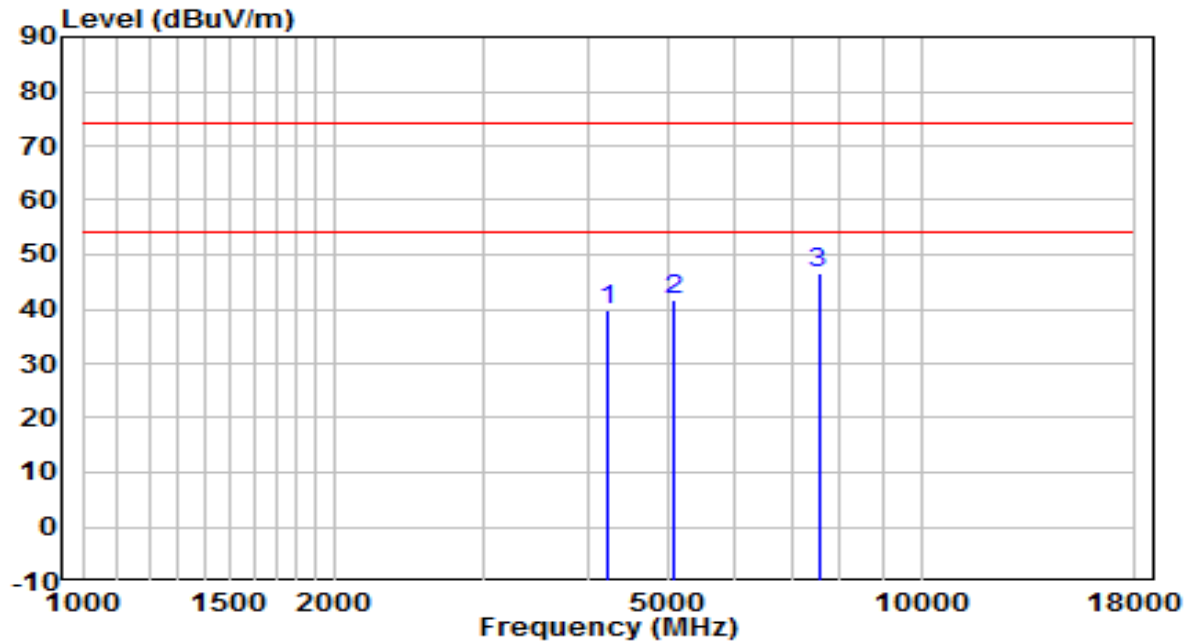


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4136.500	37.57	1.69	39.26	-34.74	74.00	Peak
2	4918.500	36.31	3.80	40.11	-33.89	74.00	Peak
3	* 7426.000	32.66	12.69	45.35	-28.65	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	AC 120V/60Hz

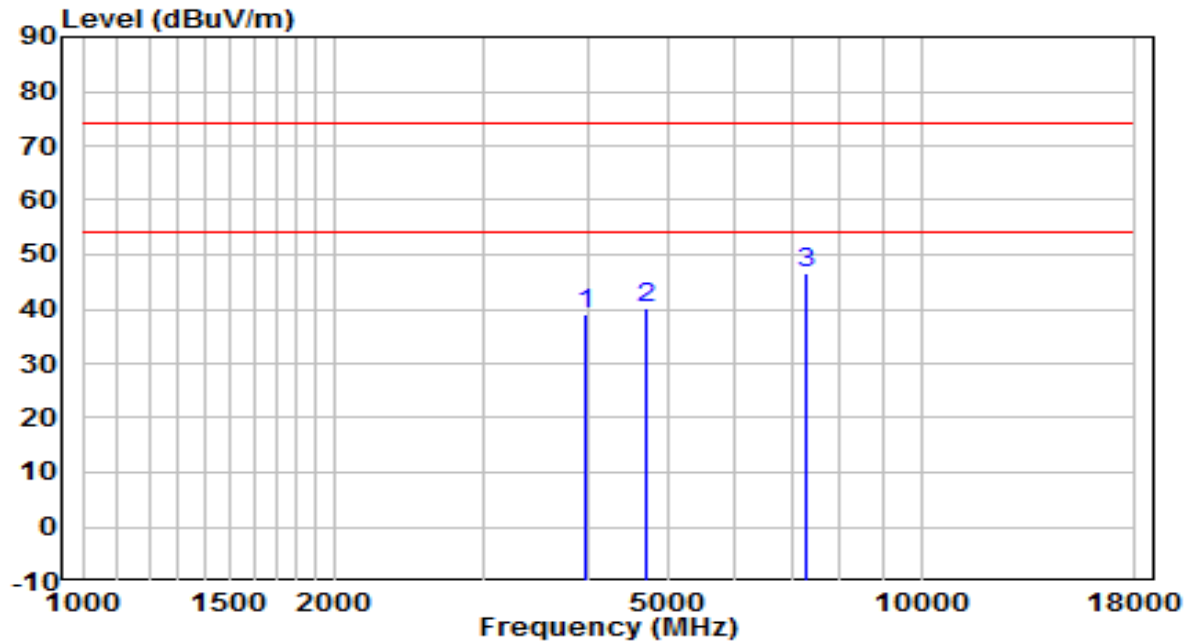


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4221.500	37.78	2.01	39.79	-34.21	74.00	Peak
2	5054.500	37.60	4.04	41.64	-32.36	74.00	Peak
3	* 7545.000	33.40	13.05	46.45	-27.55	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT40 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

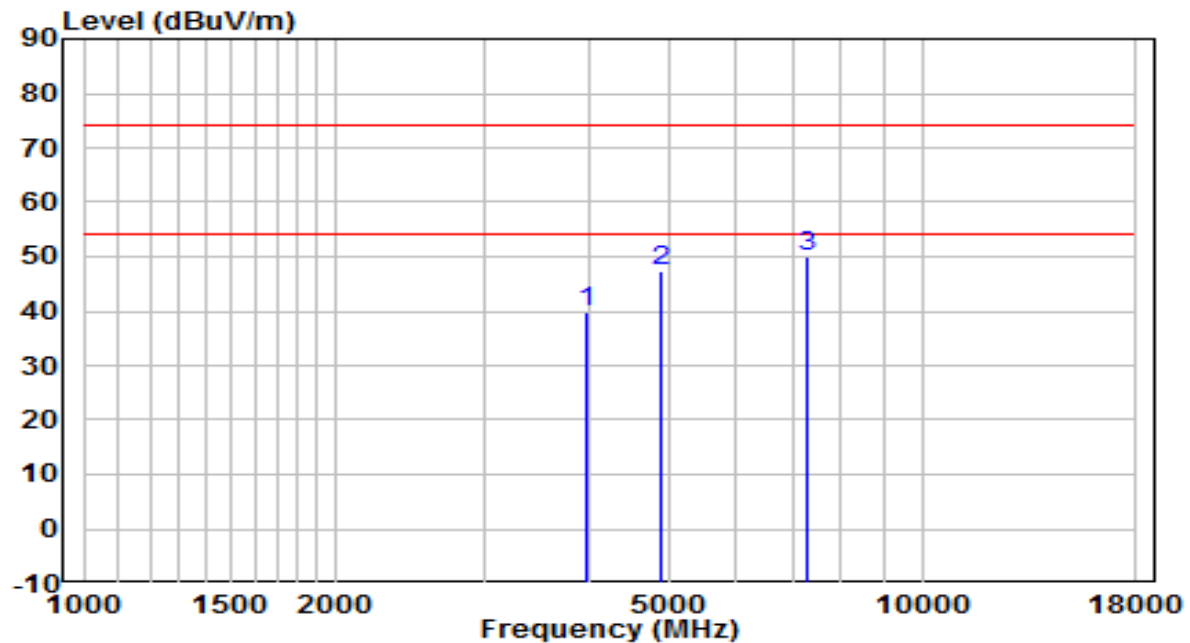


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3966.500	38.14	1.08	39.22	-34.78	74.00	Peak
2	4697.500	36.66	3.41	40.06	-33.94	74.00	Peak
3	* 7307.000	34.39	12.16	46.55	-27.45	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT40 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

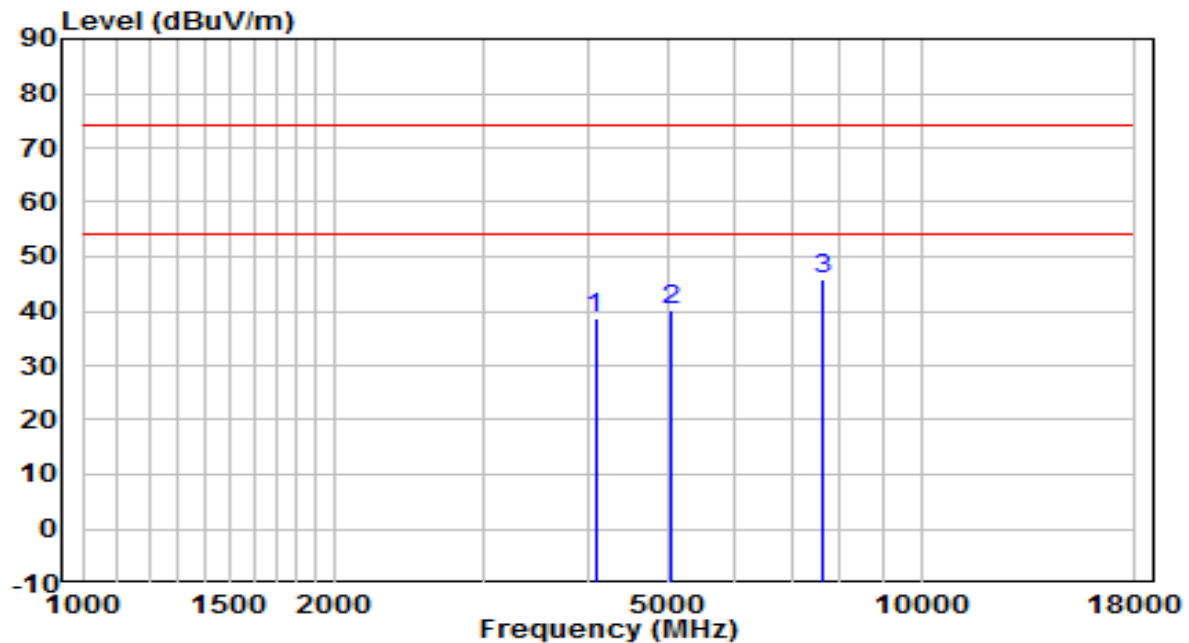


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3975.000	38.59	1.10	39.70	-34.30	74.00	Peak
2	4876.000	43.63	3.73	47.35	-26.65	74.00	Peak
3	* 7315.500	37.83	12.20	50.03	-23.97	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	AC 120V/60Hz

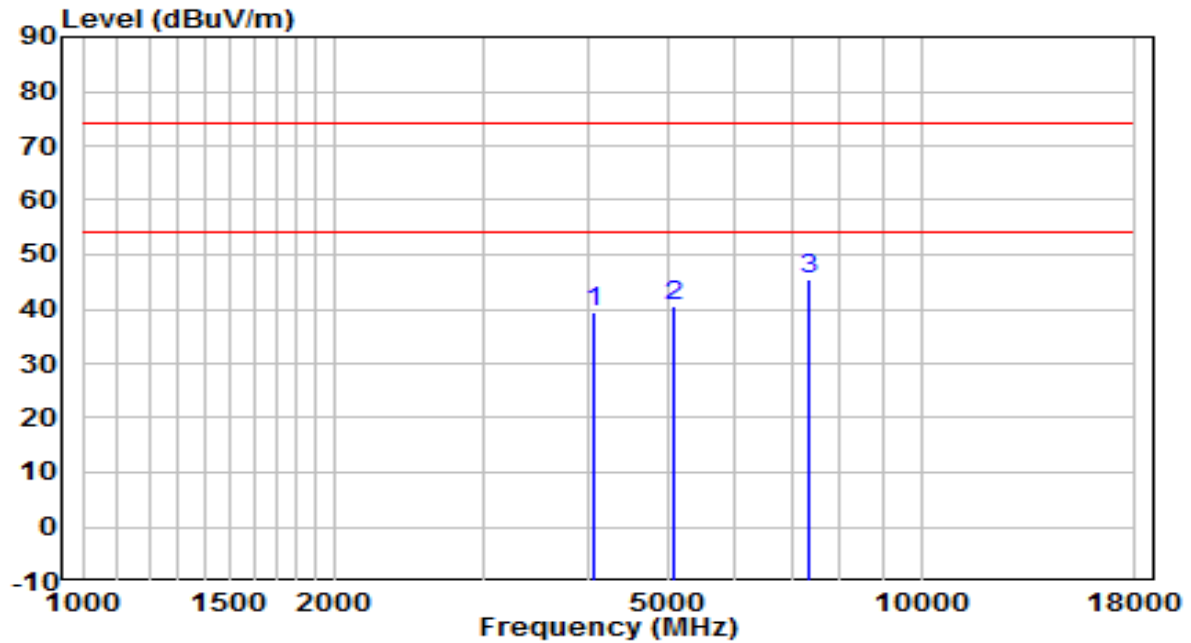


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4085.500	37.06	1.50	38.56	-35.44	74.00	Peak
2	5020.500	36.14	3.98	40.13	-33.87	74.00	Peak
3	* 7604.500	32.57	13.10	45.67	-28.33	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	AC 120V/60Hz

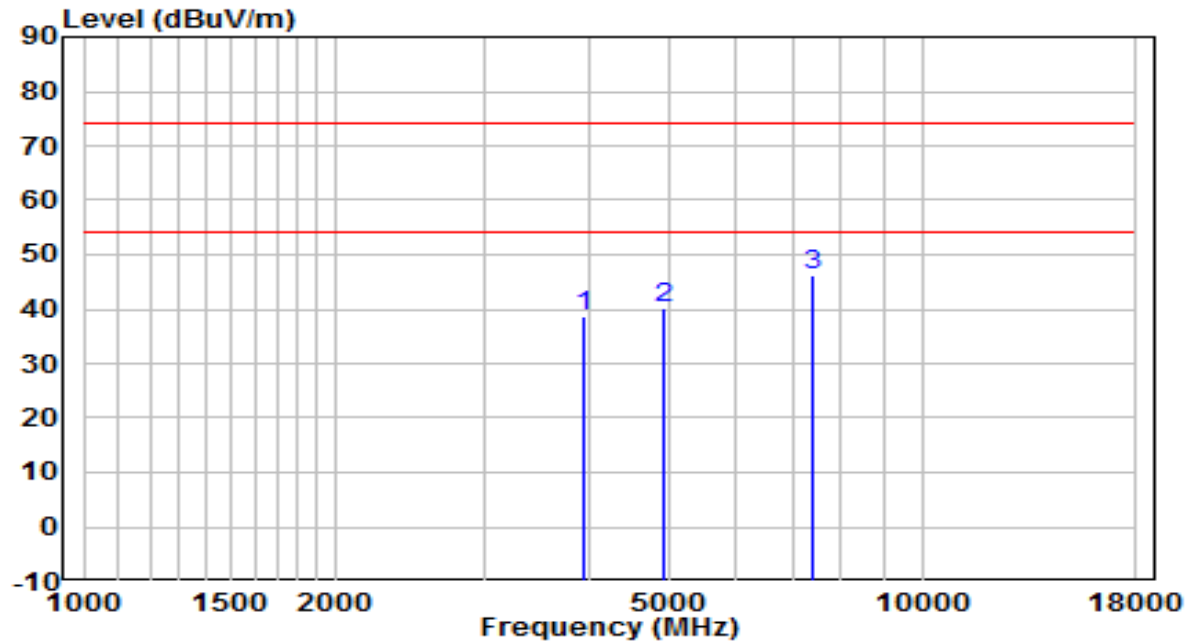


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4077.000	37.81	1.47	39.27	-34.73	74.00	Peak
2	5071.500	36.60	4.07	40.67	-33.33	74.00	Peak
3	* 7332.500	33.21	12.27	45.49	-28.51	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	AC 120V/60Hz

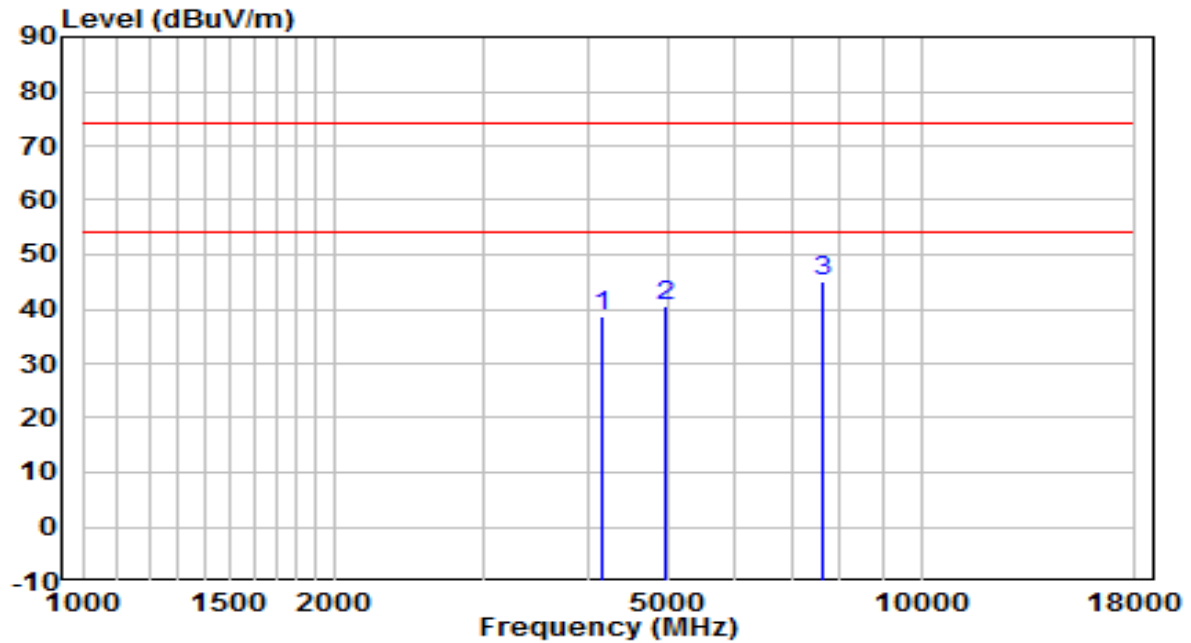


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3949.500	37.50	1.03	38.53	-35.47	74.00	Peak
2	4918.500	36.31	3.80	40.11	-33.89	74.00	Peak
3	* 7409.000	33.66	12.61	46.27	-27.73	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	AC 120V/60Hz

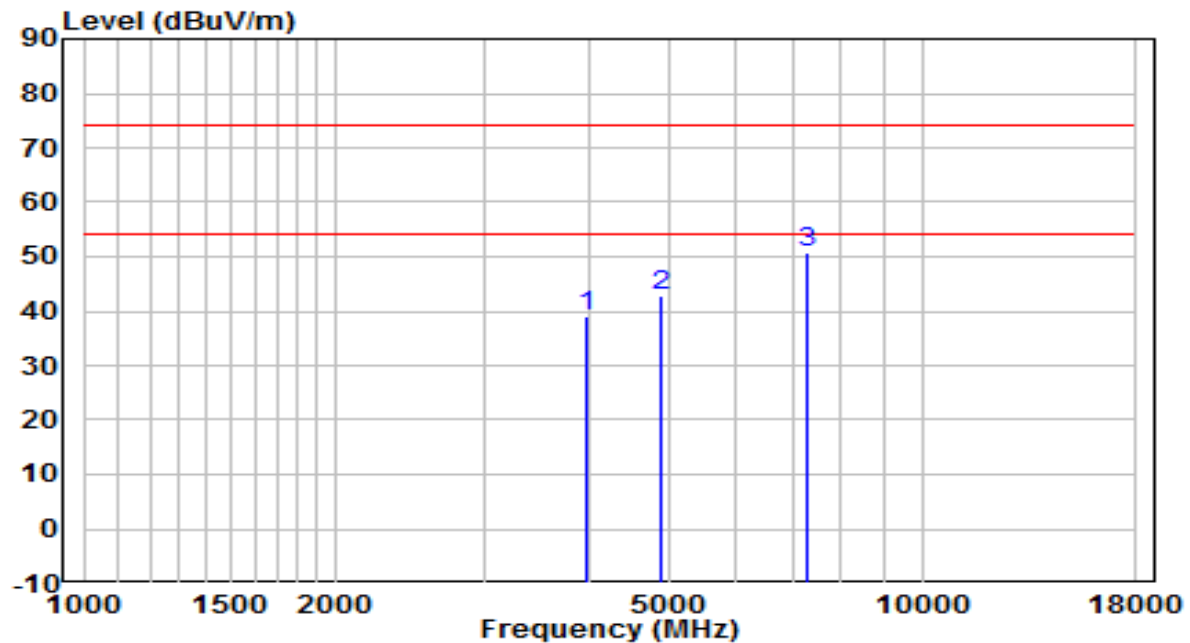


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4162.000	36.93	1.79	38.71	-35.29	74.00	Peak
2	4952.500	36.82	3.86	40.69	-33.31	74.00	Peak
3	* 7604.500	31.94	13.10	45.04	-28.96	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE20 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

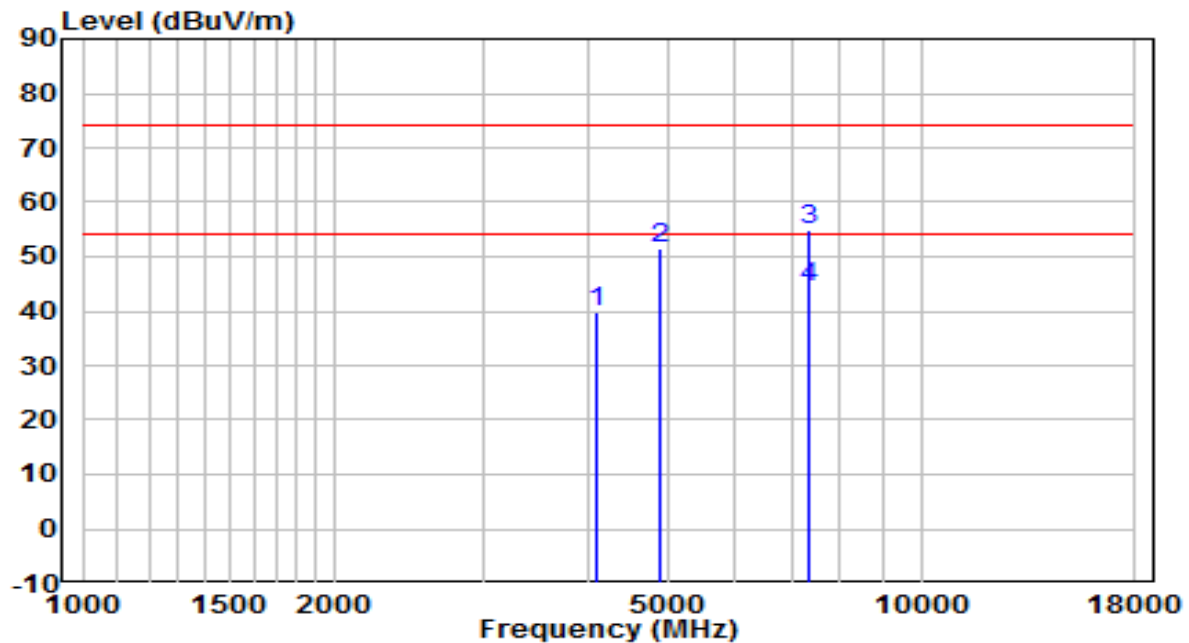


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3992.000	37.83	1.16	38.98	-35.02	74.00	Peak
2	4867.500	38.99	3.71	42.70	-31.30	74.00	Peak
3	* 7307.000	38.51	12.16	50.67	-23.33	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE20 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

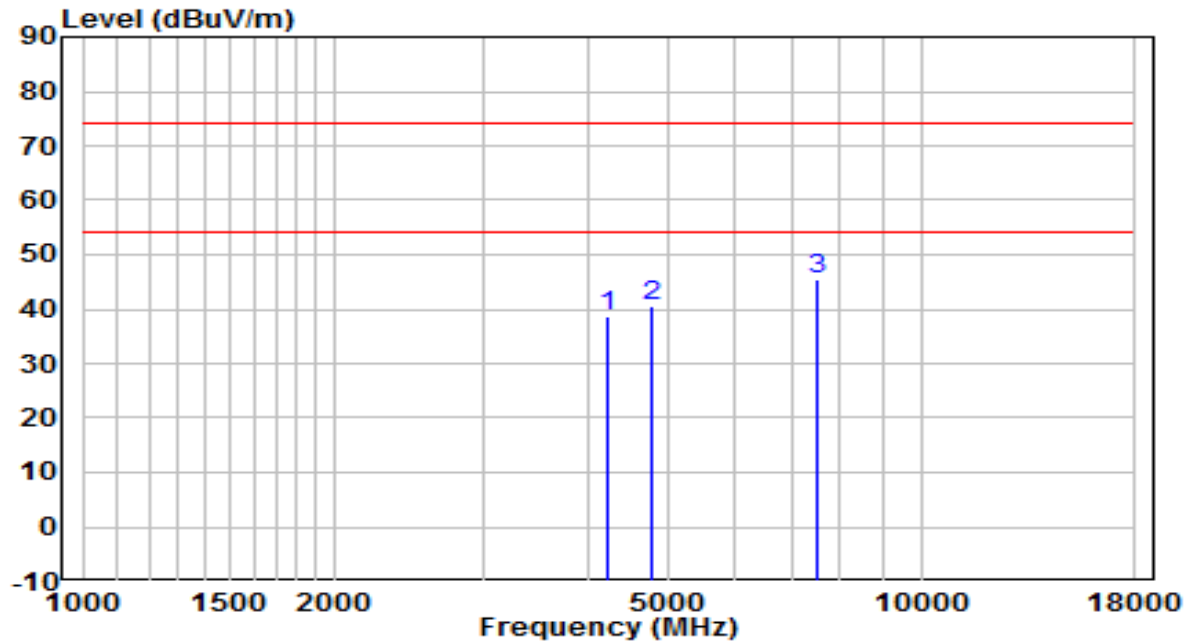


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4102.500	38.10	1.56	39.66	-34.34	74.00	Peak
2	4884.500	47.60	3.74	51.34	-22.66	74.00	Peak
3	7324.000	42.52	12.24	54.75	-19.25	74.00	Peak
4	* 7324.000	32.26	12.24	44.50	-9.50	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	AC 120V/60Hz

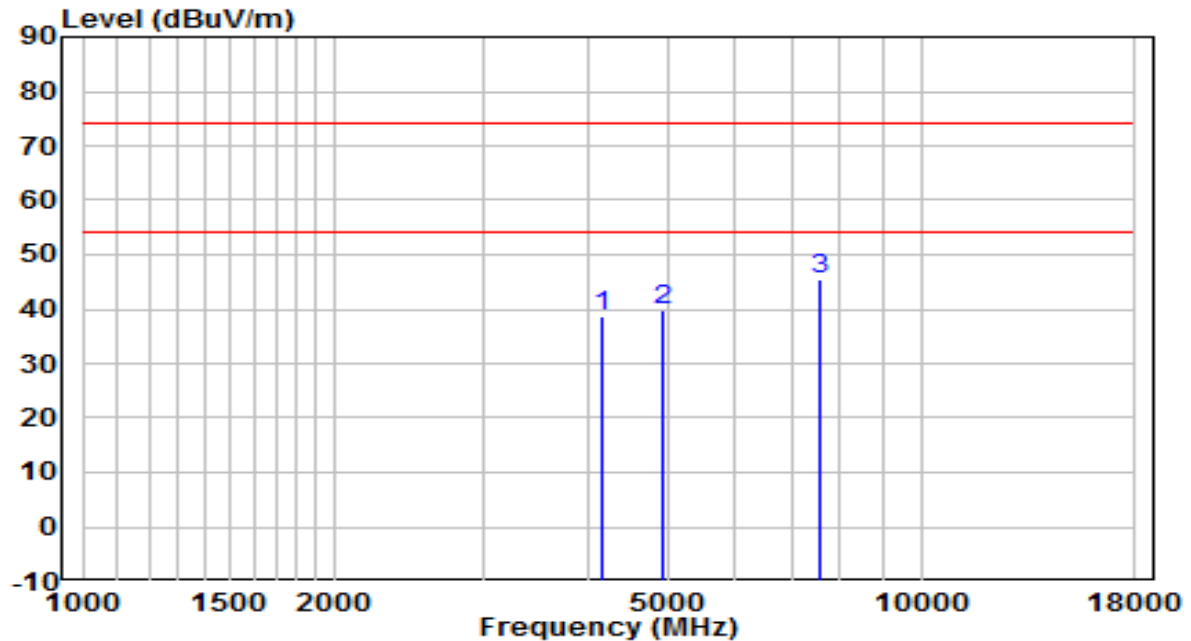


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4213.000	36.86	1.98	38.84	-35.16	74.00	Peak
2	4774.000	36.88	3.54	40.42	-33.58	74.00	Peak
3	* 7502.500	32.50	13.02	45.51	-28.49	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	AC 120V/60Hz

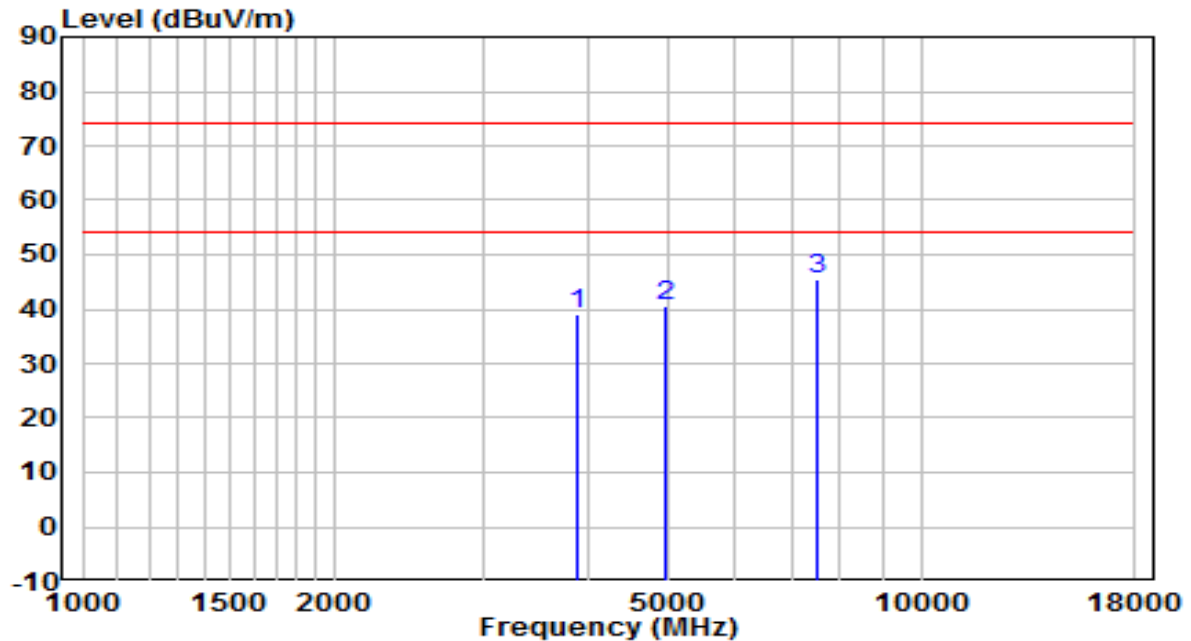


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4153.500	36.84	1.75	38.59	-35.41	74.00	Peak
2	4935.500	36.00	3.83	39.83	-34.17	74.00	Peak
3	* 7570.500	32.44	13.07	45.51	-28.49	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	AC 120V/60Hz

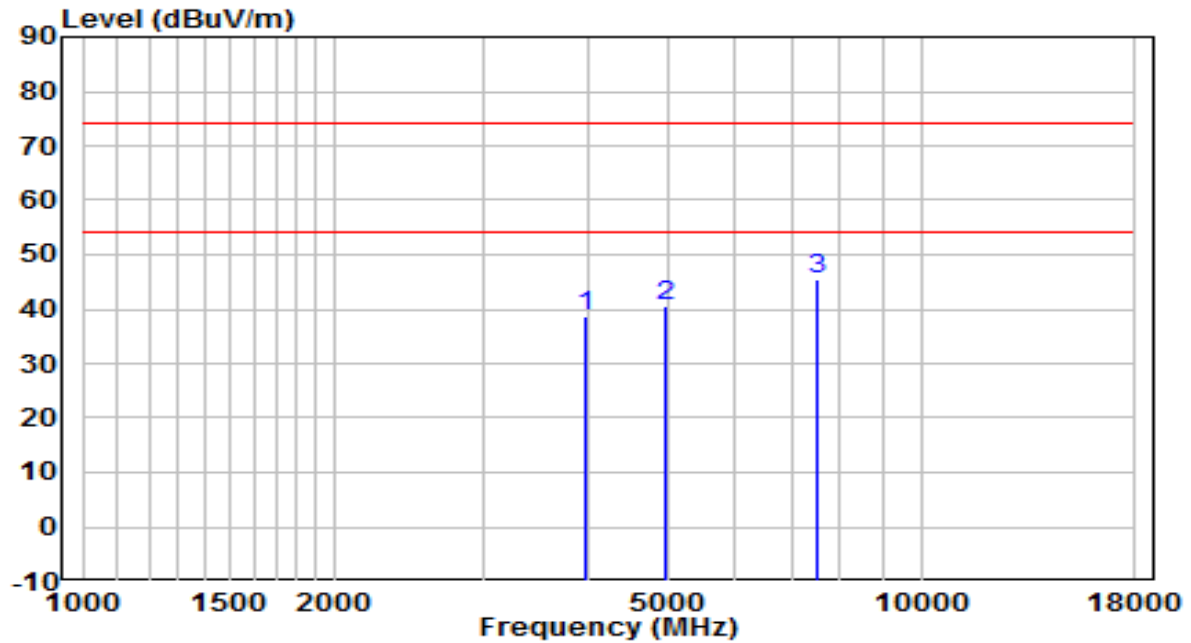


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3890.000	38.24	0.85	39.09	-34.91	74.00	Peak
2	4952.500	36.86	3.86	40.73	-33.27	74.00	Peak
3	* 7494.000	32.62	12.99	45.60	-28.40	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	AC 120V/60Hz

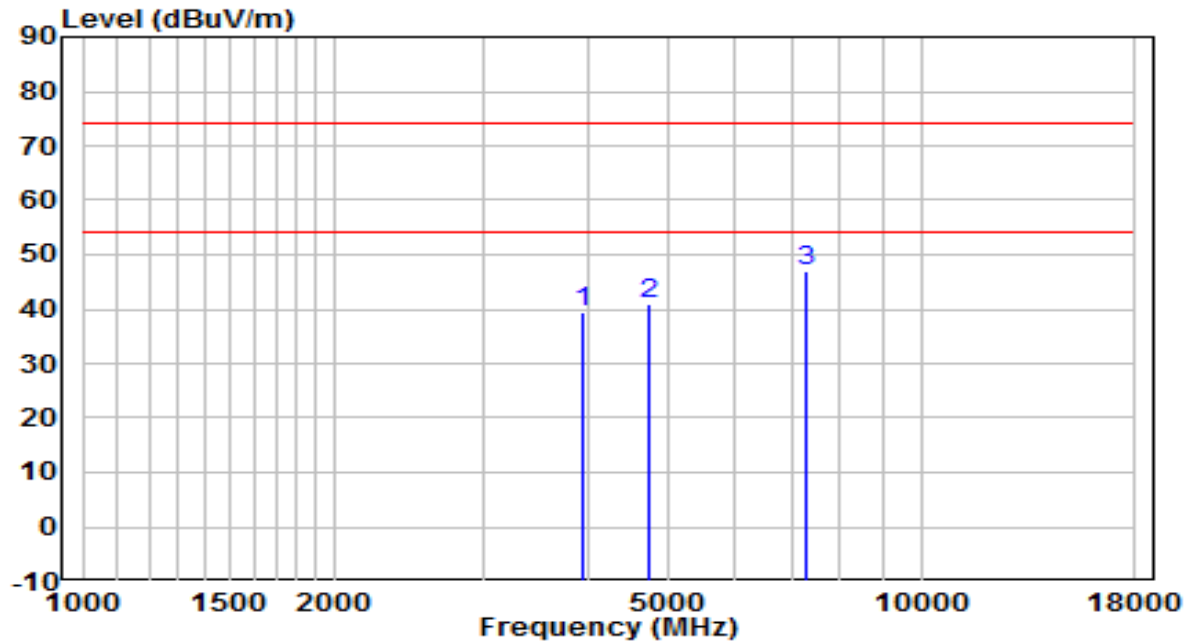


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3975.000	37.75	1.10	38.85	-35.15	74.00	Peak
2	4969.500	36.62	3.90	40.51	-33.49	74.00	Peak
3	* 7519.500	32.53	13.03	45.56	-28.44	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE40 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

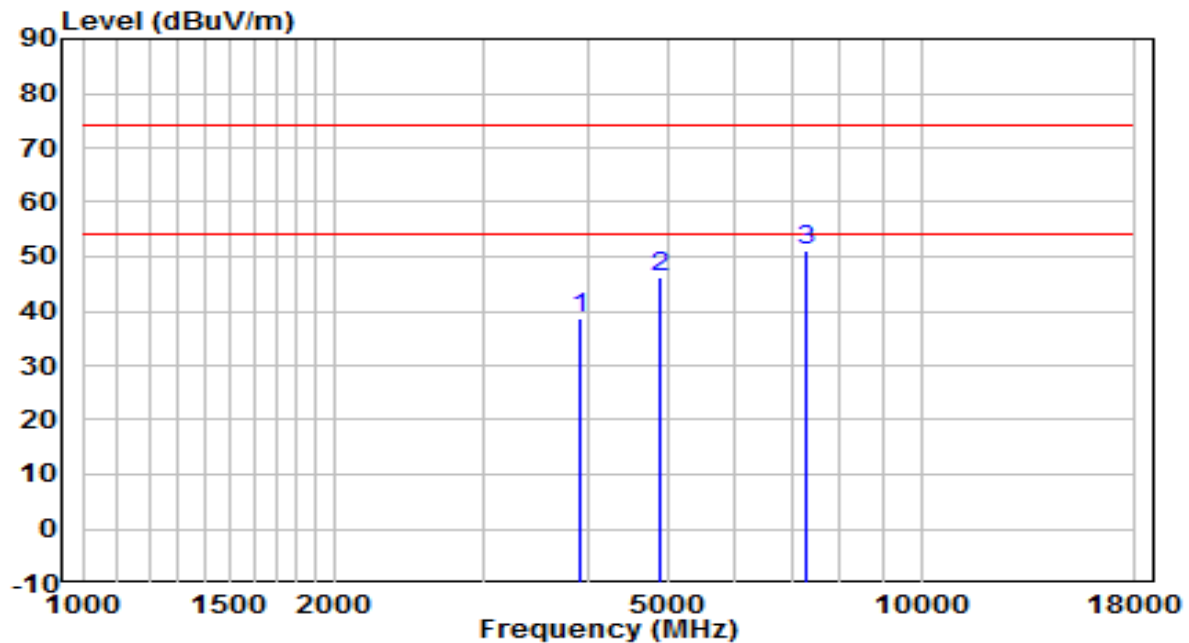


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3941.000	38.40	1.00	39.40	-34.60	74.00	Peak
2	4731.500	37.58	3.47	41.05	-32.95	74.00	Peak
3	* 7315.500	34.82	12.20	47.02	-26.98	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE40 at Channel 2437MHz	Test Voltage	AC 120V/60Hz

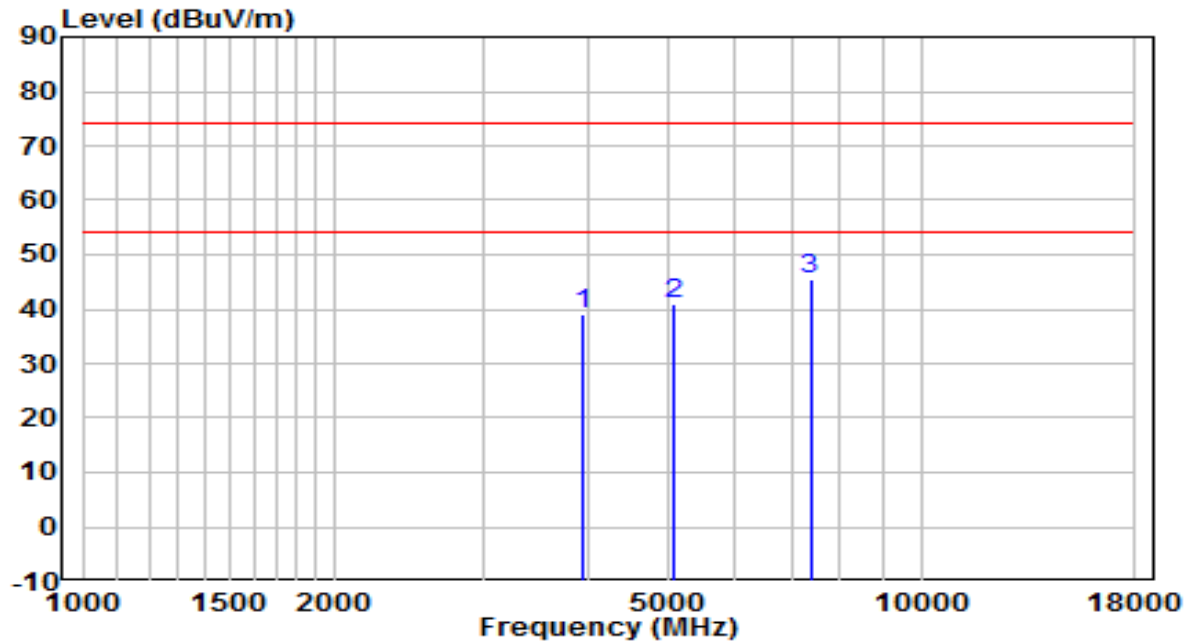


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3915.500	37.69	0.92	38.61	-35.39	74.00	Peak
2	4876.000	42.45	3.73	46.18	-27.82	74.00	Peak
3	* 7315.500	38.80	12.20	51.00	-23.00	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	AC 120V/60Hz

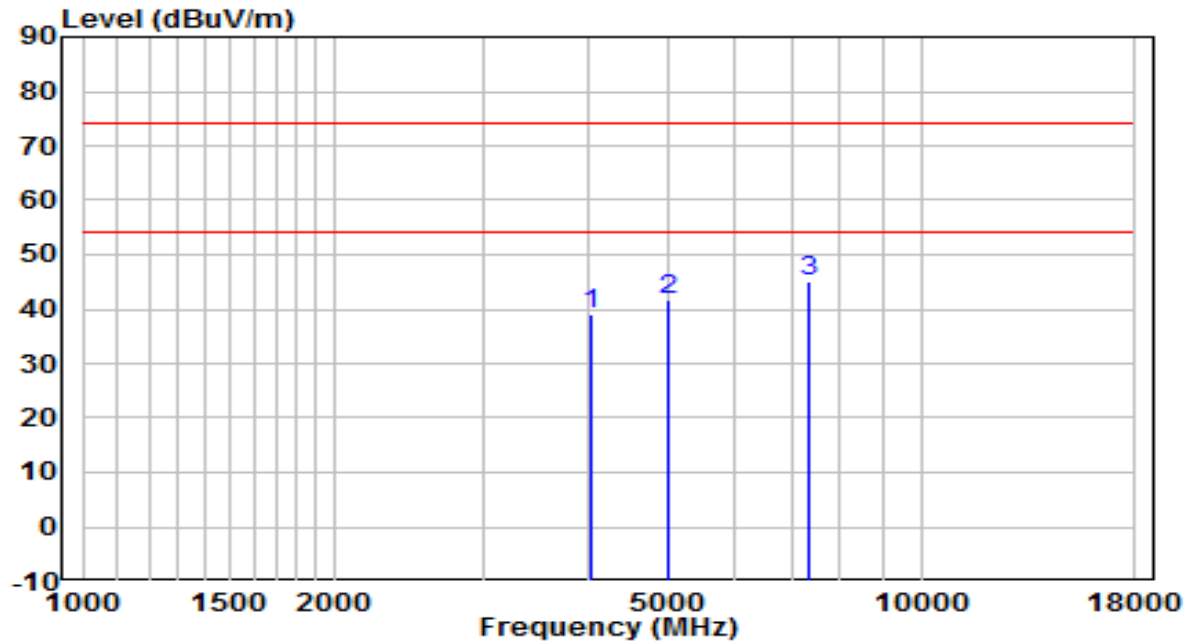


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	3958.000	37.96	1.05	39.01	-34.99	74.00	Peak
2	5063.000	37.01	4.05	41.07	-32.93	74.00	Peak
3	* 7375.000	33.02	12.46	45.48	-28.52	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-08
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	28.2°C/55.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	AC 120V/60Hz



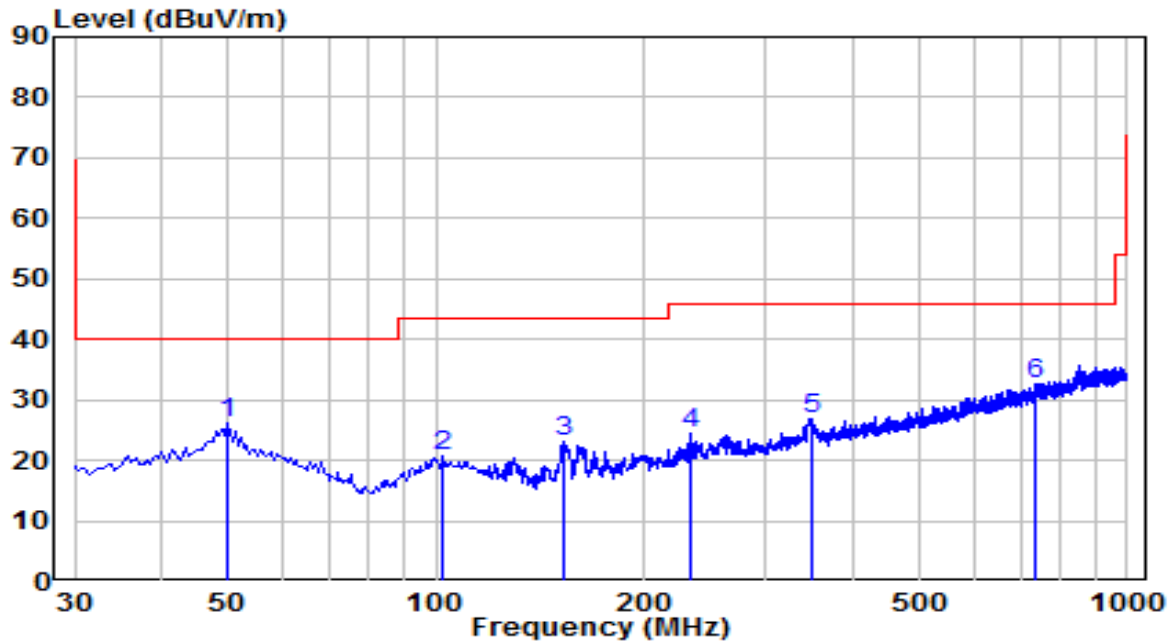
No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4051.500	37.67	1.37	39.04	-34.96	74.00	Peak
2	4995.000	37.80	3.94	41.74	-32.26	74.00	Peak
3	* 7349.500	32.71	12.35	45.05	-28.95	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

The Result of Radiated Emission below 1GHz:

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-19
Factor	VULB 9162	Temp. / Humidity	25.2°C /43.4%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	AC 120V/60Hz

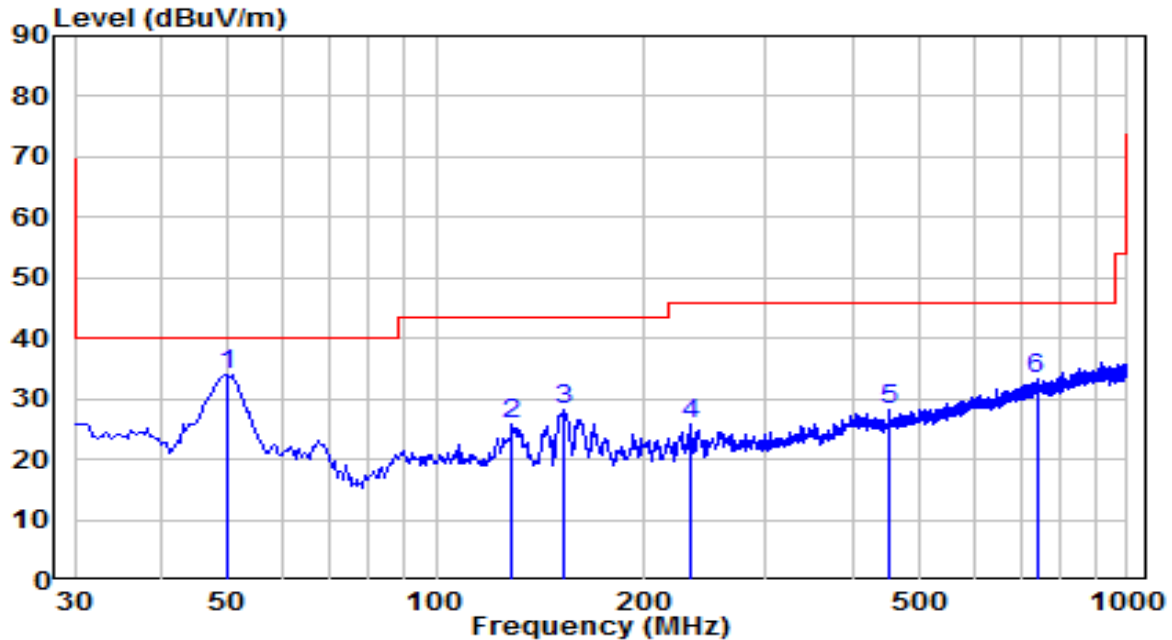


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	49.885	4.12	22.04	26.16	-13.84	40.00	Peak
2	102.265	1.71	19.07	20.78	-22.72	43.50	Peak
3	153.675	7.16	16.10	23.26	-20.24	43.50	Peak
4	232.730	4.59	19.81	24.40	-21.60	46.00	Peak
5	350.100	3.72	23.23	26.95	-19.05	46.00	Peak
6	* 735.190	2.65	29.88	32.53	-13.47	46.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The amplitude of Radiated emissions (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-19
Factor	VULB 9162	Temp. / Humidity	25.2°C /43.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	*	49.885	11.87	22.04	33.92	-6.08	40.00	Peak
2		128.940	9.29	16.39	25.67	-17.83	43.50	Peak
3		153.190	12.24	16.09	28.32	-15.18	43.50	Peak
4		233.700	5.93	19.86	25.79	-20.21	46.00	Peak
5		453.405	3.06	24.98	28.04	-17.96	46.00	Peak
6		739.555	3.19	29.94	33.14	-12.86	46.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The amplitude of Radiated emissions (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency [MHz]	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.7.3.Test Setting

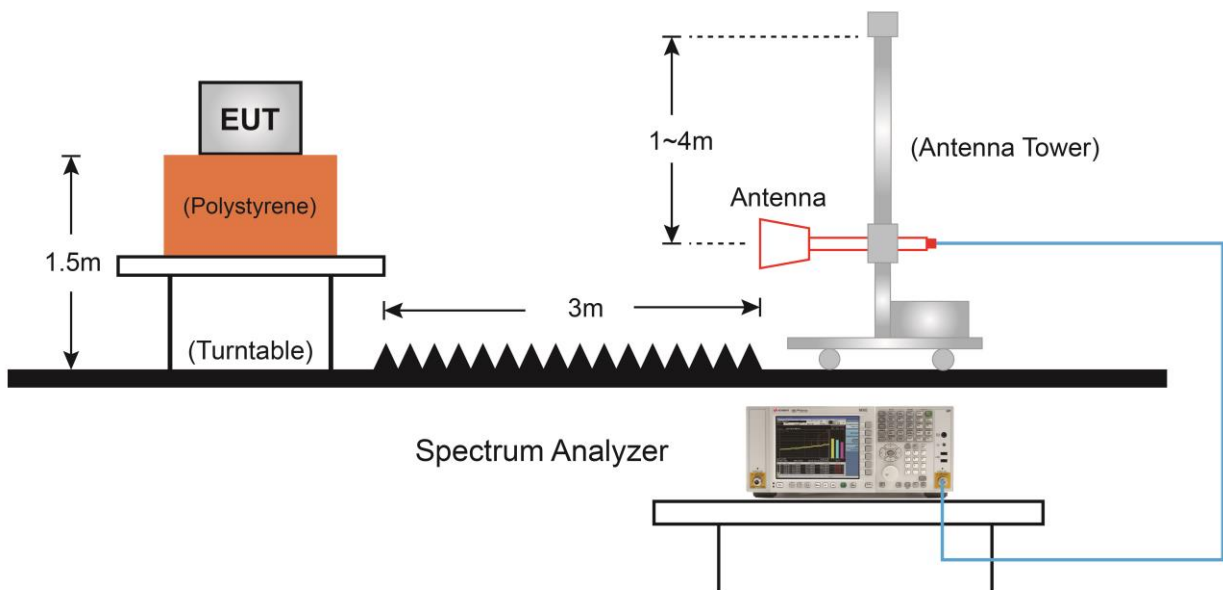
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

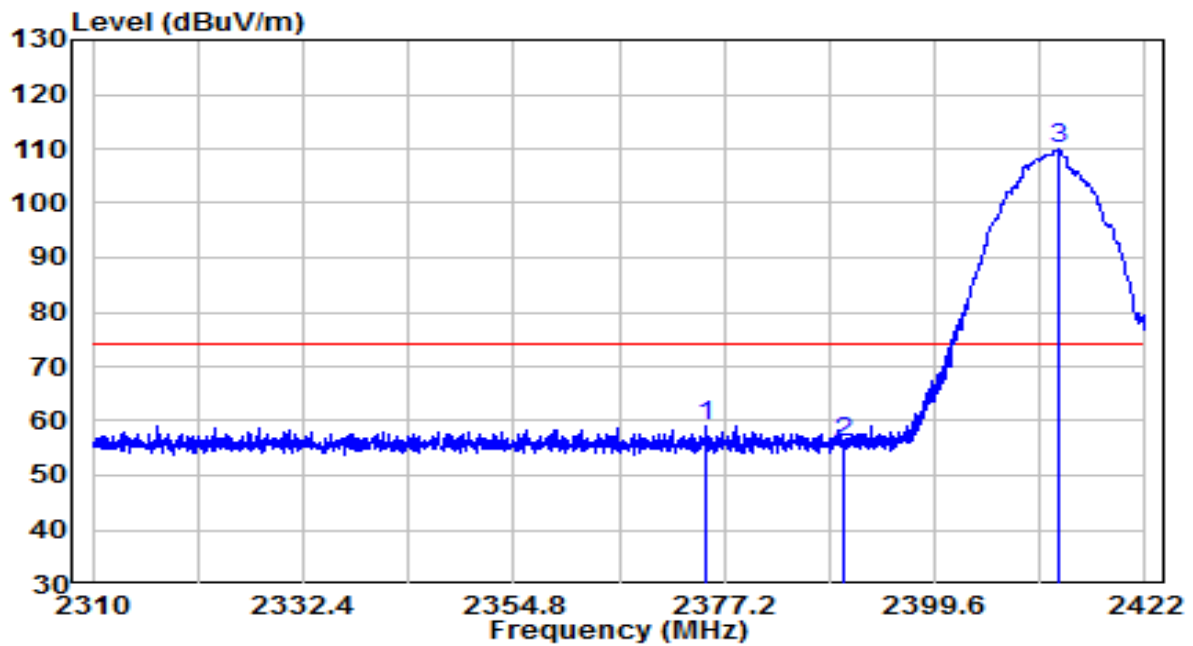
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Average Type = Voltage
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Trace was allowed to stabilize

7.7.4.Test Setup



7.7.5. Test Result

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	AC 120V/60Hz

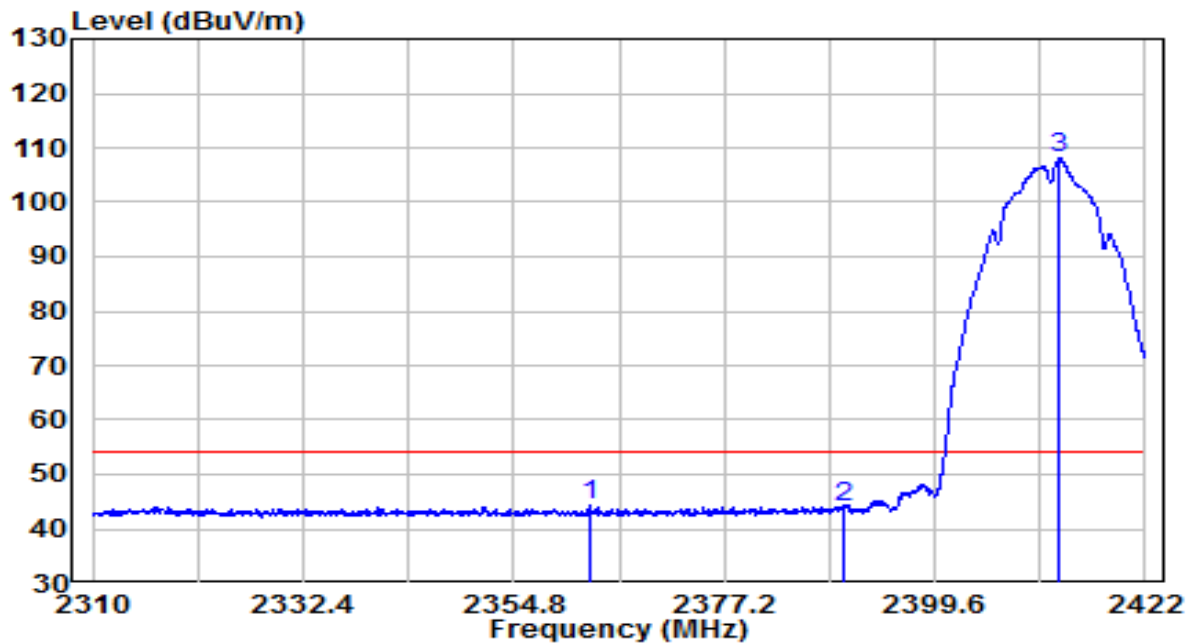


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2375.296	26.83	32.16	58.98	-15.02	74.00	Peak
2	2390.000	23.81	32.22	56.03	-17.97	74.00	Peak
3	* 2412.816	77.69	32.31	110.01	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	AC 120V/60Hz

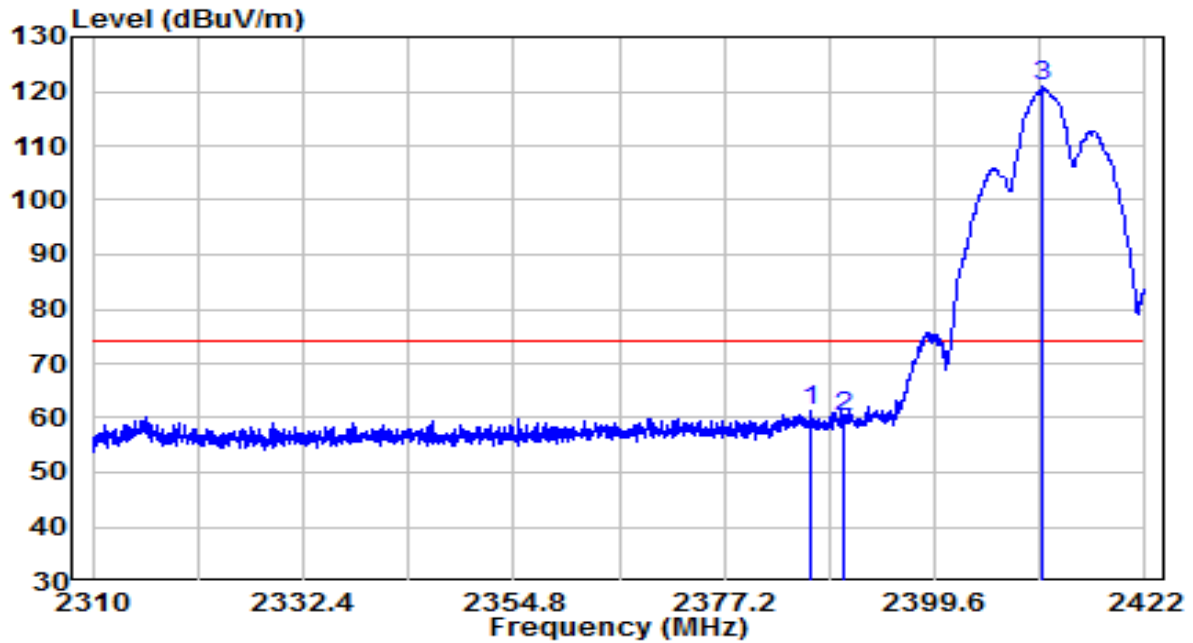


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2362.808	12.15	32.10	44.25	-9.75	54.00	Average
2	2390.000	11.89	32.22	44.11	-9.89	54.00	Average
3	* 2412.928	75.64	32.31	107.96	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	AC 120V/60Hz

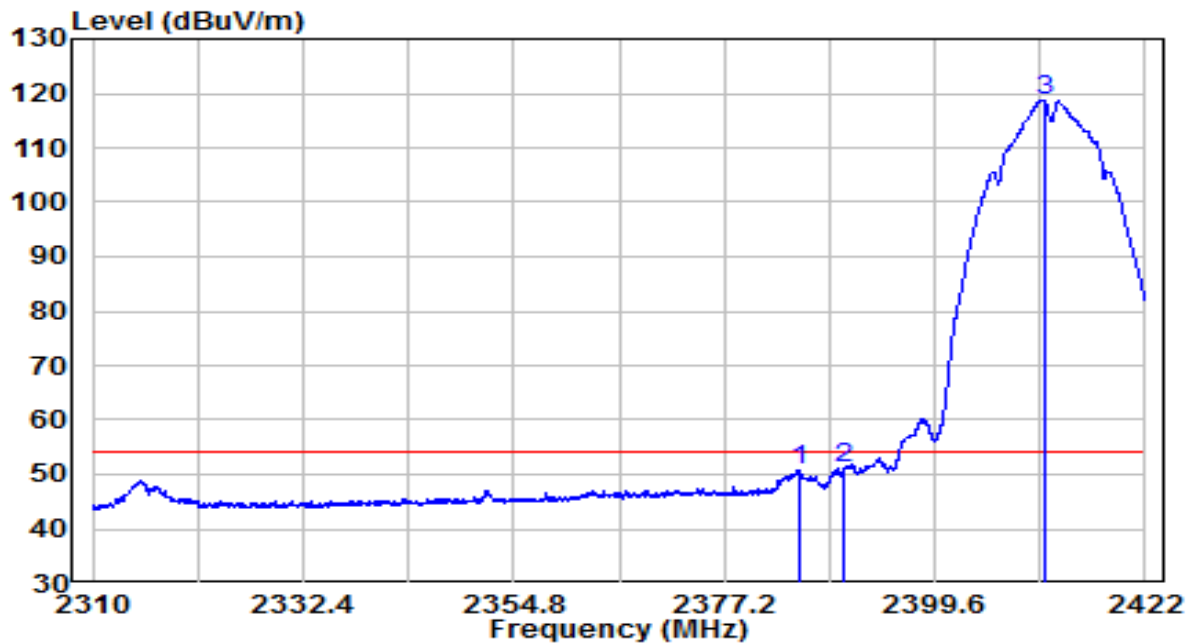


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	2386.328	29.21	32.20	61.41	-12.59	74.00	Peak
2	2390.000	28.02	32.22	60.24	-13.76	74.00	Peak
3	* 2411.080	88.46	32.31	120.77	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	AC 120V/60Hz

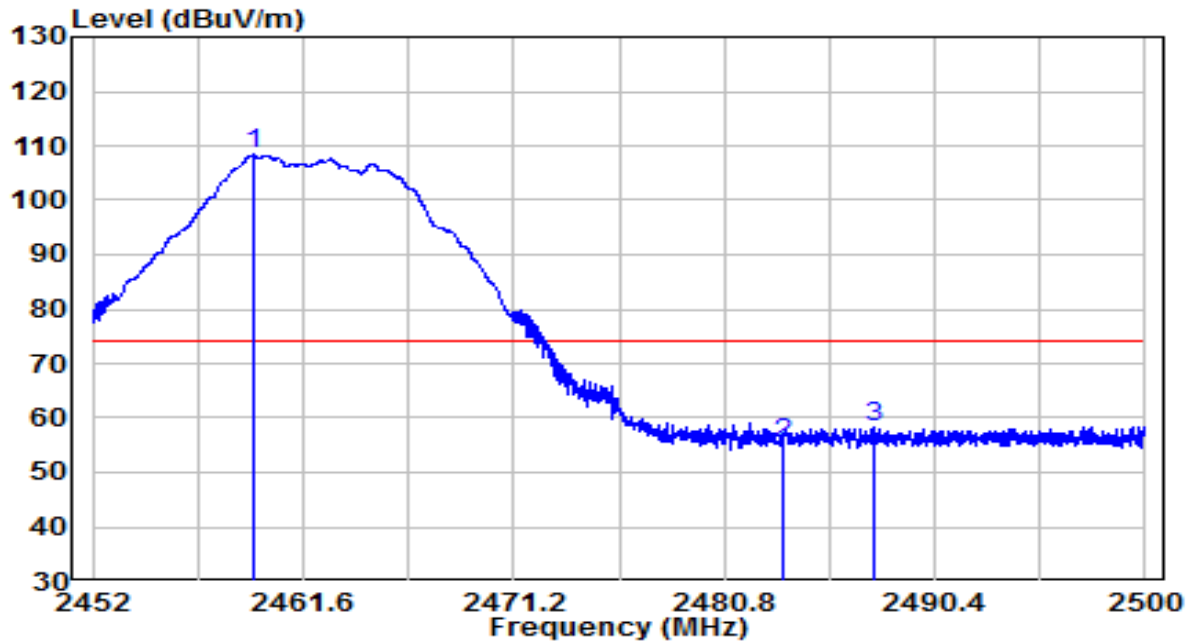


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2385.096	18.66	32.20	50.86	-3.14	54.00	Average
2	2390.000	19.06	32.22	51.28	-2.72	54.00	Average
3	* 2411.248	86.56	32.31	118.86	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	AC 120V/60Hz

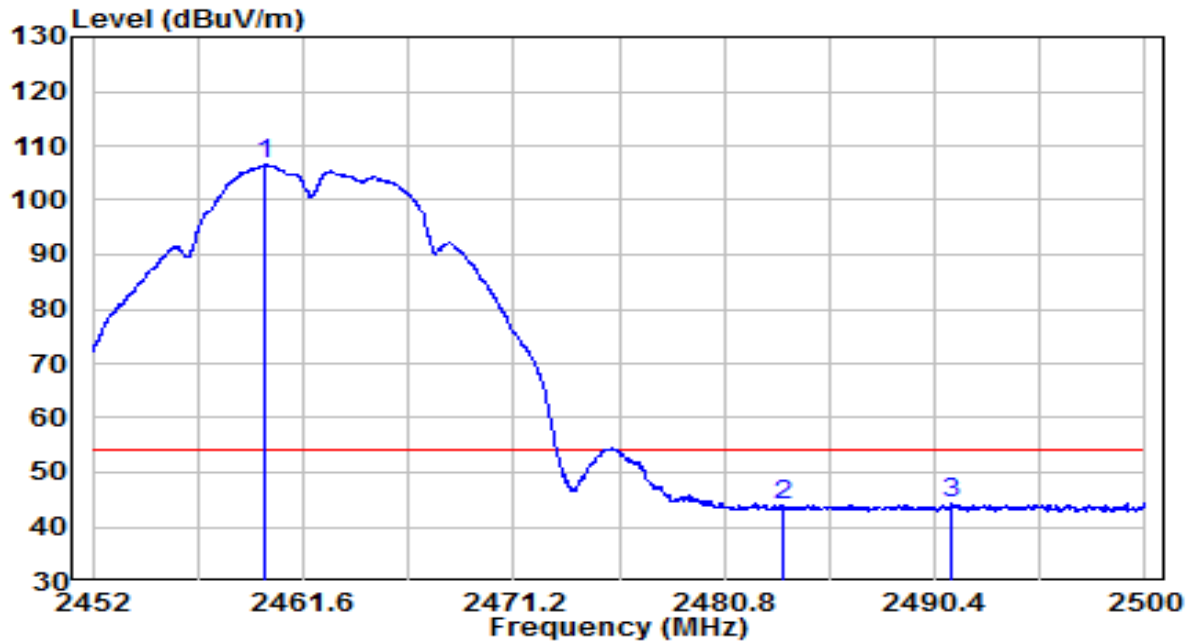


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2459.296	75.79	32.51	108.30	N/A	N/A	Peak
2		2483.500	22.76	32.61	55.38	-18.62	74.00	Peak
3		2487.592	25.85	32.63	58.48	-15.52	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	AC 120V/60Hz

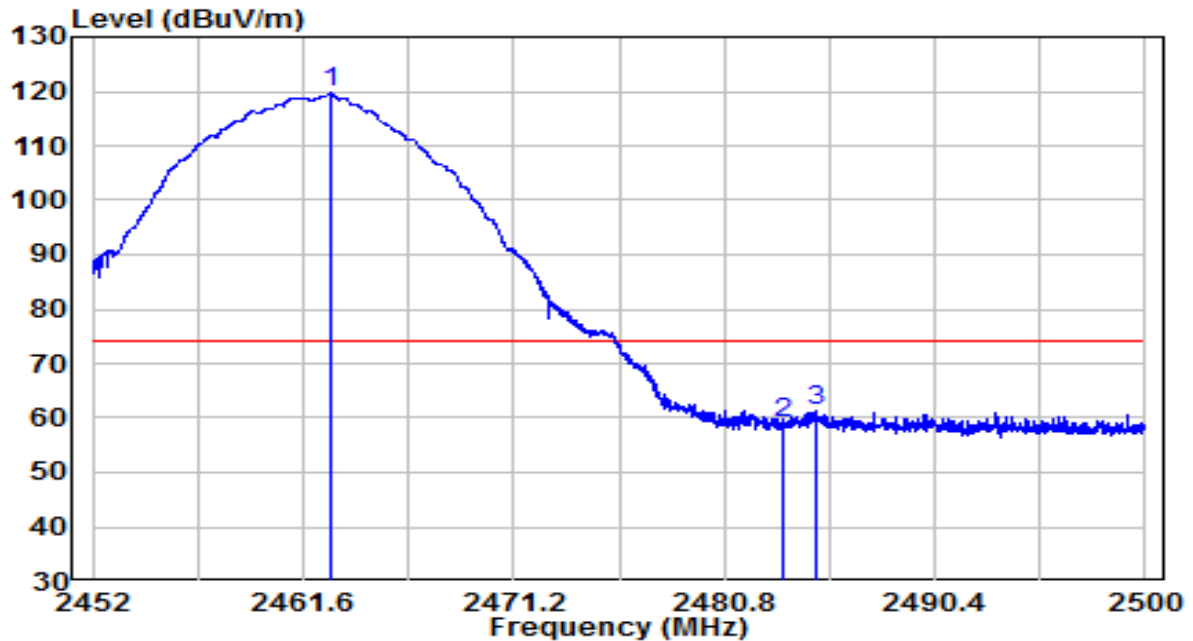


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2459.896	73.96	32.51	106.47	N/A	N/A	Average
2		2483.500	11.30	32.61	43.91	-10.09	54.00	Average
3		2491.168	11.63	32.64	44.27	-9.73	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	AC 120V/60Hz

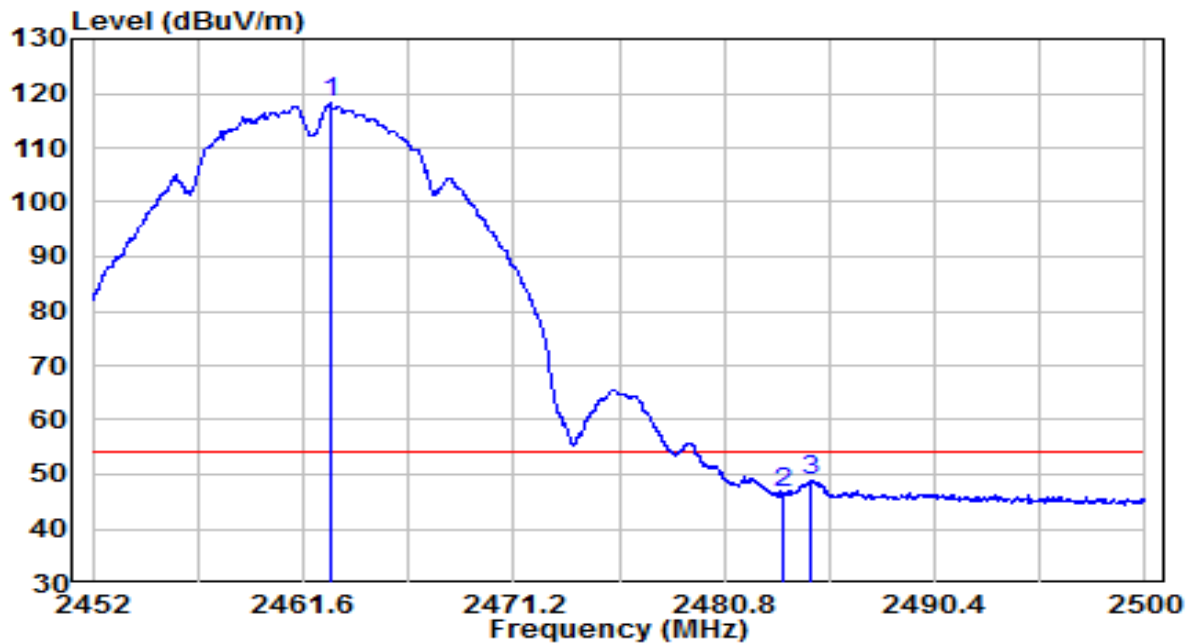


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2462.872	87.15	32.52	119.68	N/A	N/A	Peak
2		2483.500	26.50	32.61	59.11	-14.89	74.00	Peak
3		2484.976	28.79	32.62	61.40	-12.60	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	AC 120V/60Hz

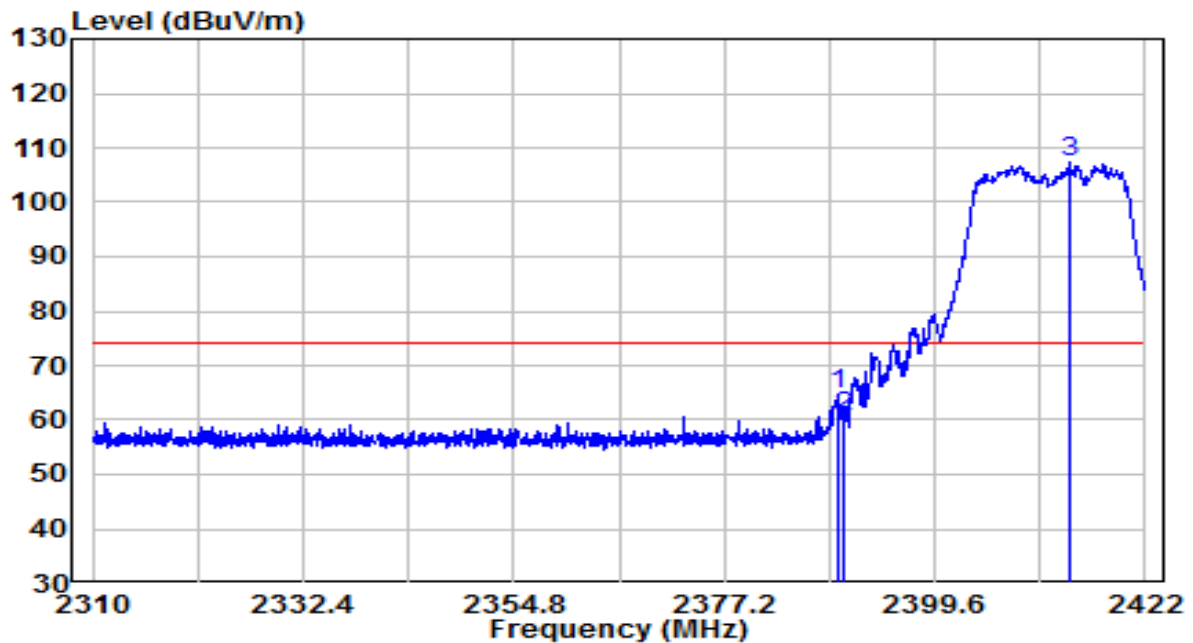


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2462.872	85.74	32.52	118.26	N/A	N/A	Average
2		2483.500	13.94	32.61	46.55	-7.45	54.00	Average
3		2484.760	16.38	32.62	49.00	-5.00	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2412MHz	Test Voltage	AC 120V/60Hz

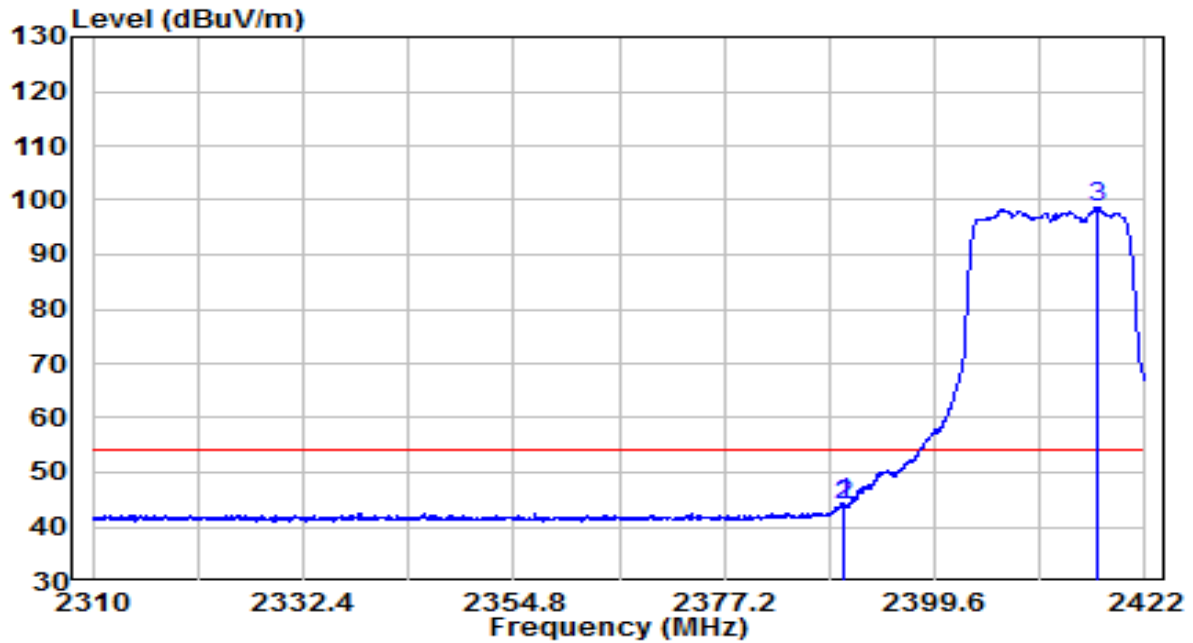


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2389.296	32.58	32.22	64.79	-9.21	74.00	Peak
2	2390.000	28.29	32.22	60.51	-13.49	74.00	Peak
3	* 2413.936	75.00	32.32	107.31	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2412MHz	Test Voltage	AC 120V/60Hz

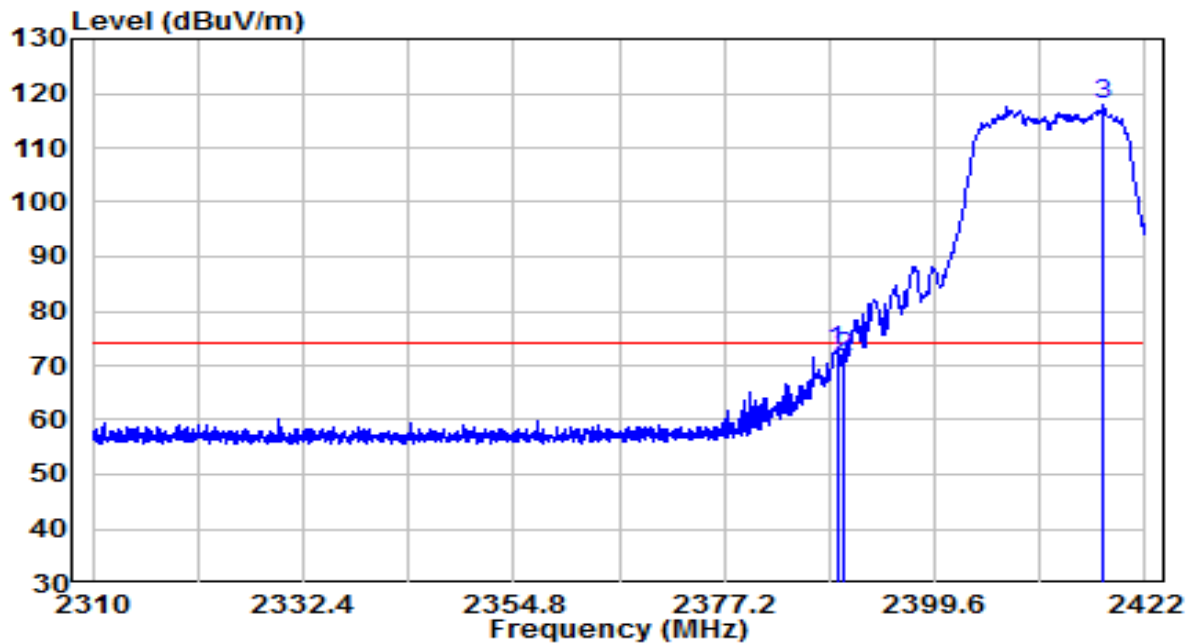


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2389.800	12.31	32.22	44.52	-9.48	54.00	Average
2	2390.000	11.59	32.22	43.80	-10.20	54.00	Average
3	* 2417.016	66.35	32.33	98.68	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2412MHz	Test Voltage	AC 120V/60Hz

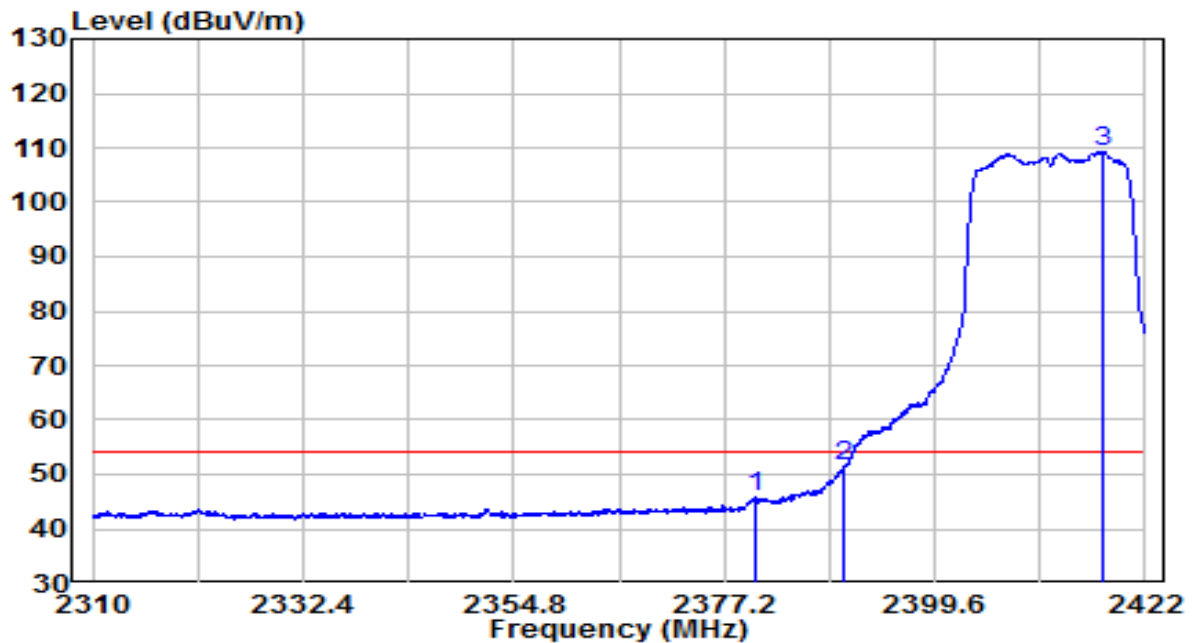


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2389.184	40.56	32.21	72.77	-1.23	74.00	Peak
2	2390.000	39.14	32.22	71.36	-2.64	74.00	Peak
3	* 2417.520	85.72	32.33	118.05	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2412MHz	Test Voltage	AC 120V/60Hz

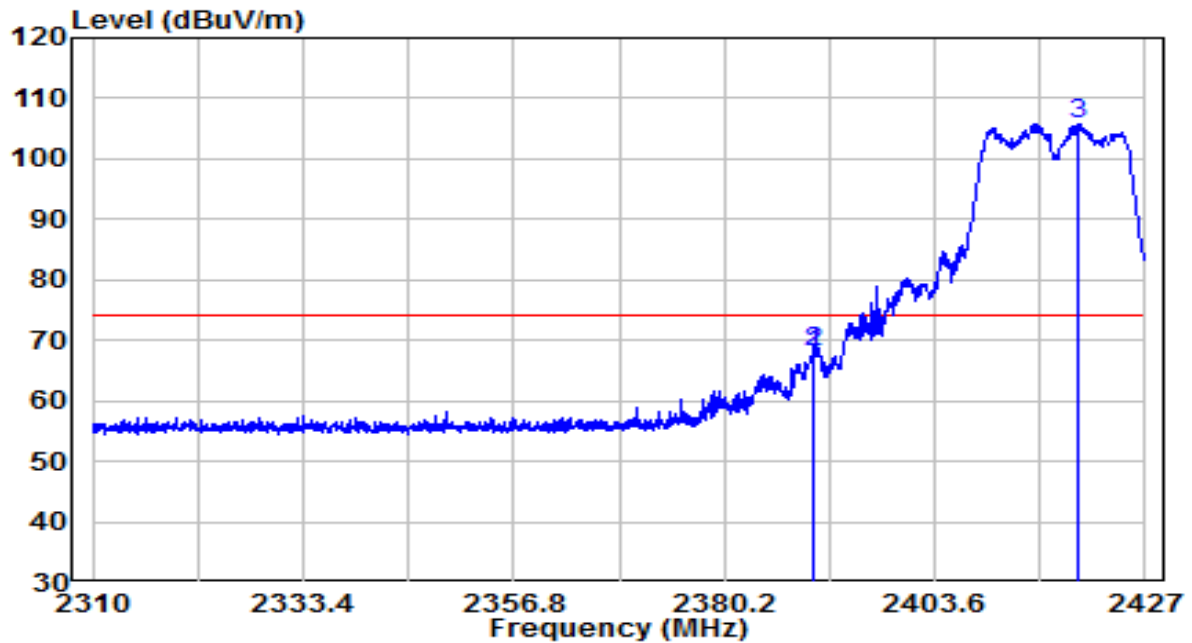


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2380.616	13.66	32.18	45.84	-8.16	54.00	Average
2	2390.000	19.32	32.22	51.54	-2.46	54.00	Average
3	* 2417.464	76.85	32.33	109.19	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-19
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	24.9°C/43.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2417Mhz	Test Voltage	AC 120V/60Hz

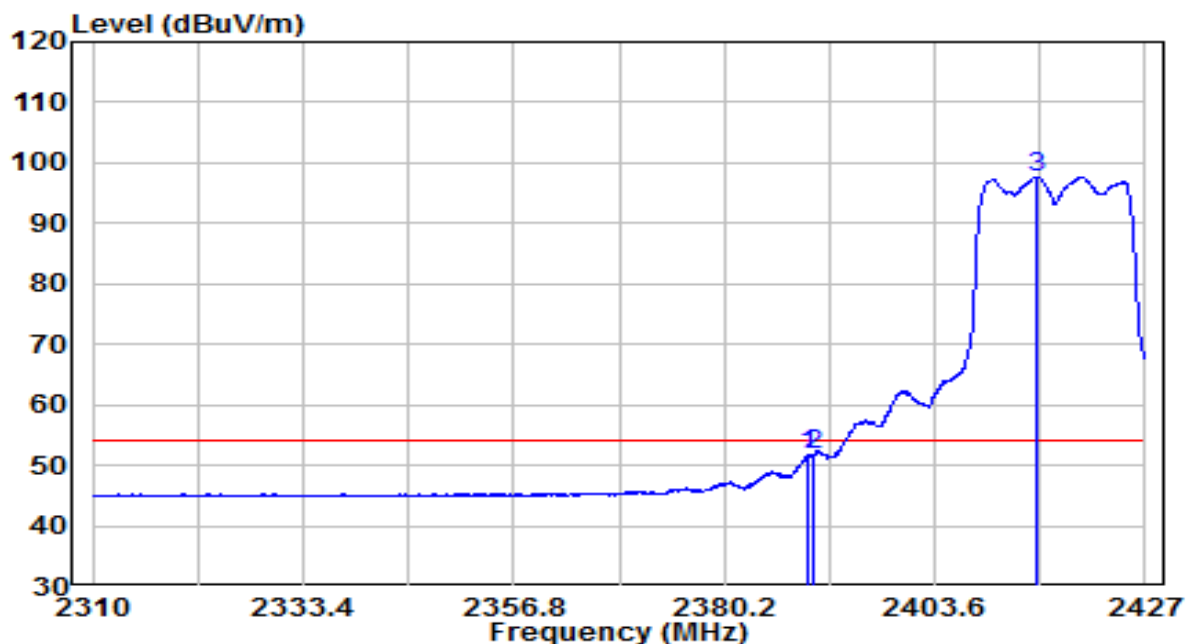


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB/m)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	35.54	32.22	67.76	-6.24	74.00	Peak
2	2390.086	35.85	32.22	68.07	-5.93	74.00	Peak
3	* 2419.512	73.51	32.34	105.85	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-19
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	24.9°C/43.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2417Mhz	Test Voltage	AC 120V/60Hz

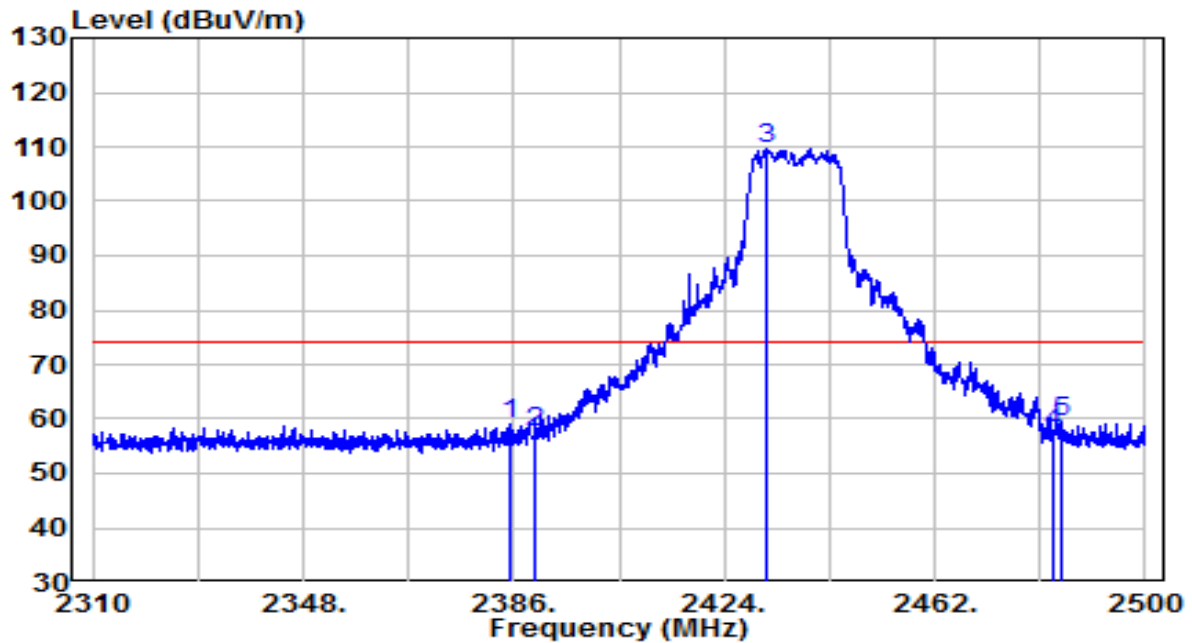


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB/m)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2389.560	19.56	32.22	51.78	-2.22	54.00	Average
2	2390.000	19.48	32.22	51.70	-2.30	54.00	Average
3	* 2414.890	65.39	32.32	97.71	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2437MHz	Test Voltage	AC 120V/60Hz

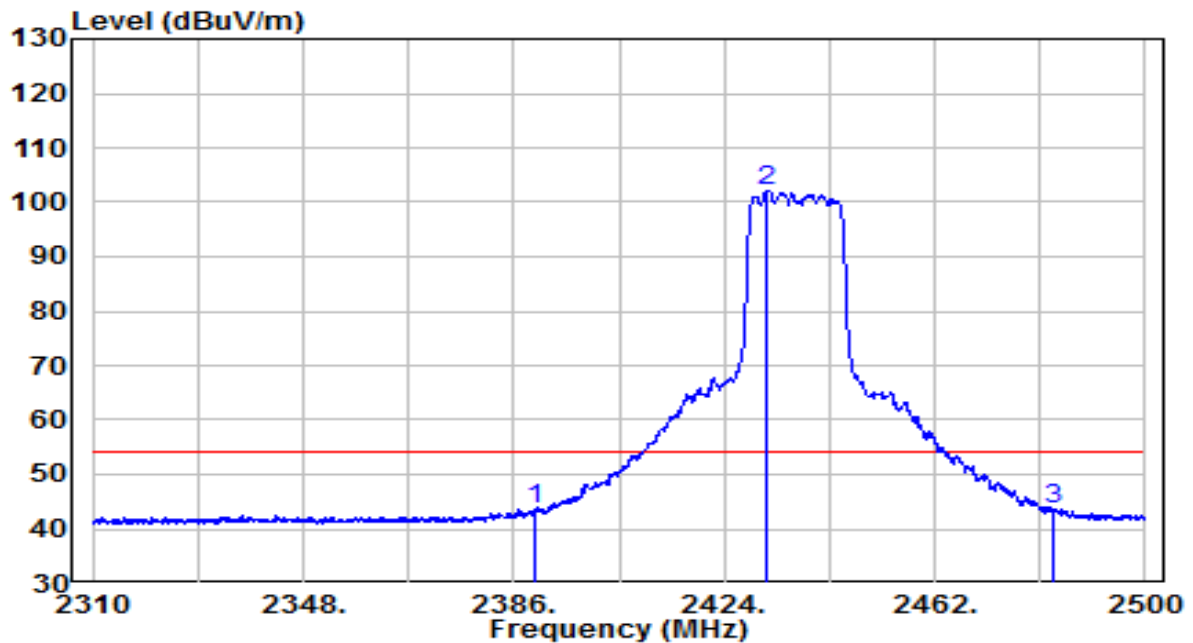


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	2385.240	26.72	32.20	58.92	-15.08	74.00	Peak
2	2390.000	25.28	32.22	57.50	-16.50	74.00	Peak
3	* 2431.410	77.15	32.39	109.54	N/A	N/A	Peak
4	2483.500	24.98	32.61	57.59	-16.41	74.00	Peak
5	2484.990	26.98	32.62	59.60	-14.40	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2437MHz	Test Voltage	AC 120V/60Hz

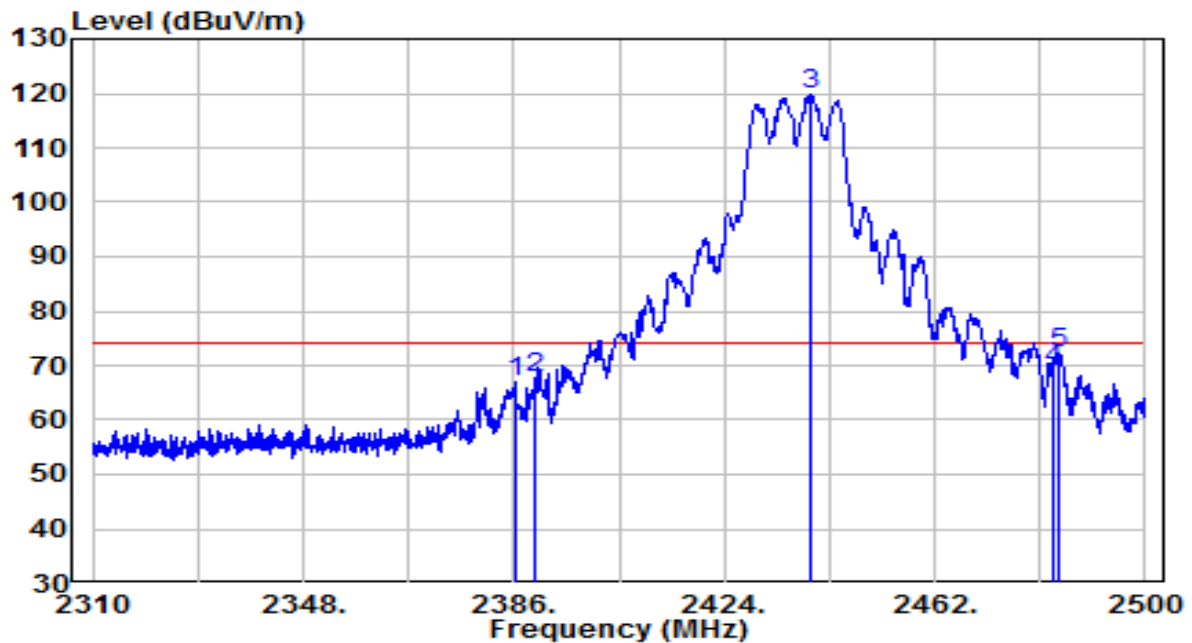


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	11.30	32.22	43.52	-10.48	54.00	Average
2	* 2431.505	69.78	32.39	102.17	N/A	N/A	Average
3	2483.500	10.89	32.61	43.50	-10.50	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2437MHz	Test Voltage	AC 120V/60Hz

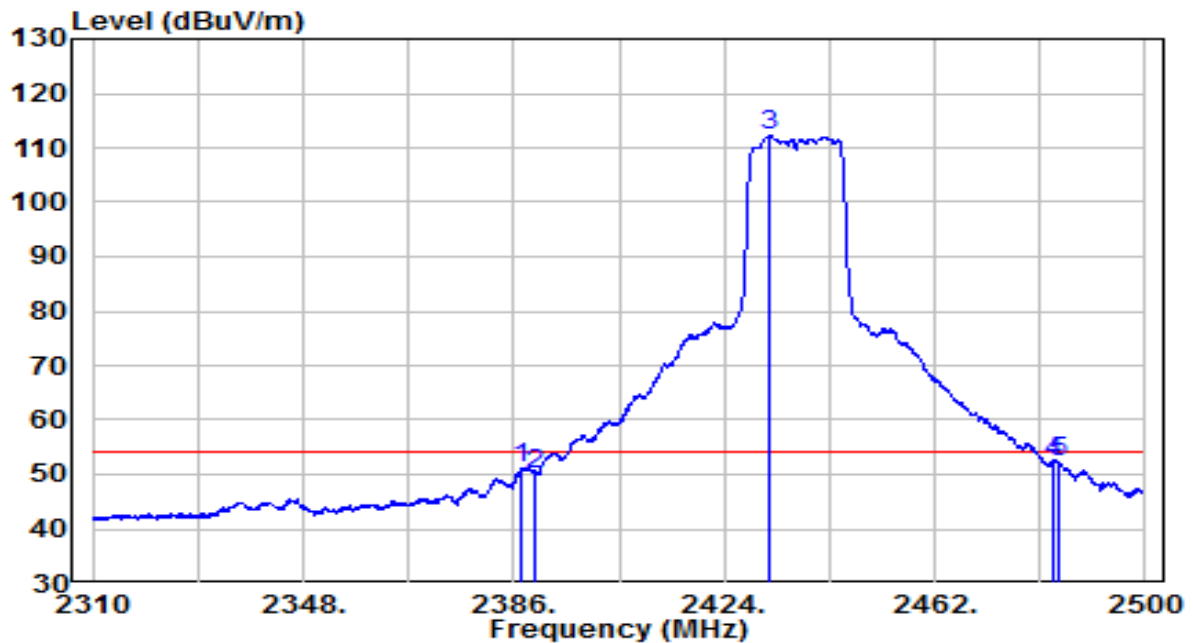


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2386.190	34.62	32.20	66.82	-7.18	74.00	Peak
2	2390.000	35.38	32.22	67.60	-6.40	74.00	Peak
3	* 2439.675	87.49	32.43	119.92	N/A	N/A	Peak
4	2483.500	36.56	32.61	69.17	-4.83	74.00	Peak
5	2484.420	39.49	32.61	72.10	-1.90	74.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2437MHz	Test Voltage	AC 120V/60Hz

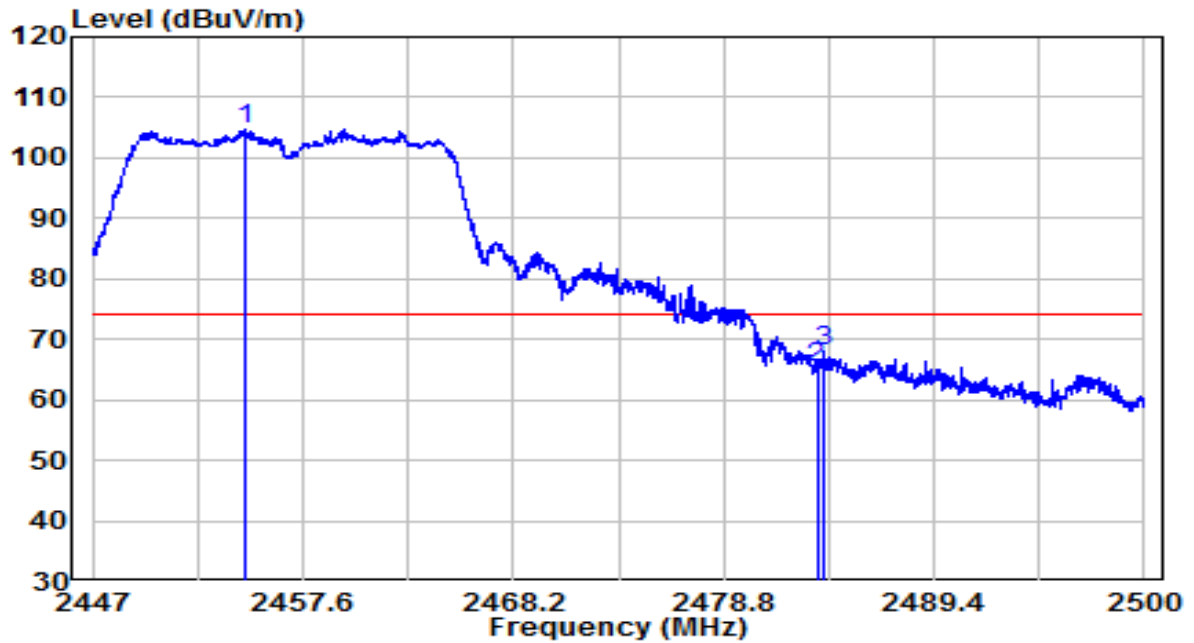


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2387.330	19.07	32.21	51.28	-2.72	54.00	Average
2	2390.000	17.89	32.22	50.11	-3.89	54.00	Average
3	* 2432.170	79.84	32.40	112.23	N/A	N/A	Average
4	2483.500	19.83	32.61	52.44	-1.56	54.00	Average
5	2484.515	19.82	32.61	52.44	-1.56	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-19
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	24.9°C/43.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2457MHz	Test Voltage	AC 120V/60Hz

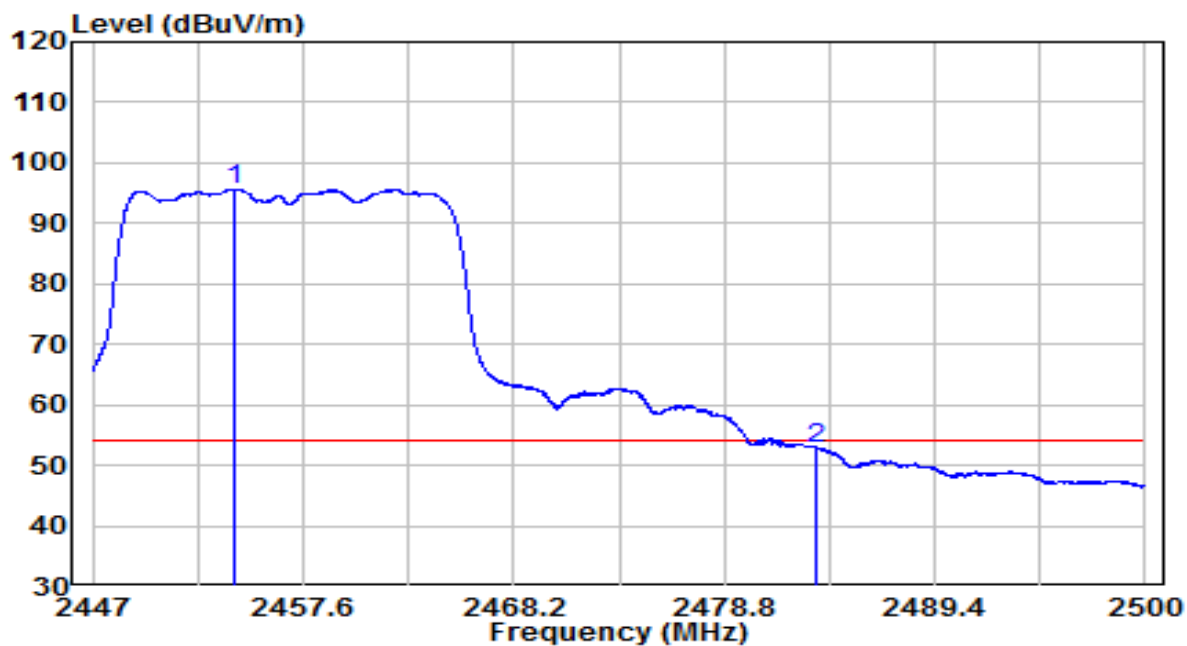


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB/m)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2454.658	72.19	32.49	105.68	N/A	N/A	Peak
2		2483.500	32.61	32.61	65.23	-8.77	74.00	Peak
3		2483.862	35.31	32.61	67.92	-6.08	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-11-19
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	24.9°C/43.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2457MHz	Test Voltage	AC 120V/60Hz

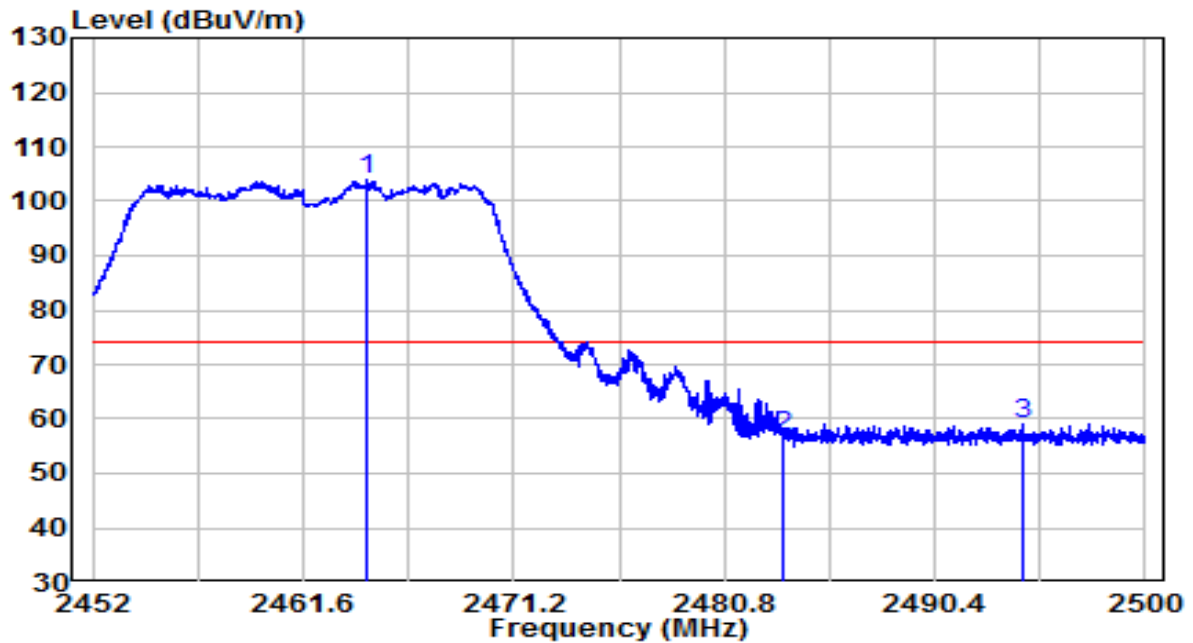


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB/m)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2454.181	63.15	32.49	95.64	N/A	N/A	Average
2		2483.490	20.20	32.61	52.81	-1.19	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2462MHz	Test Voltage	AC 120V/60Hz

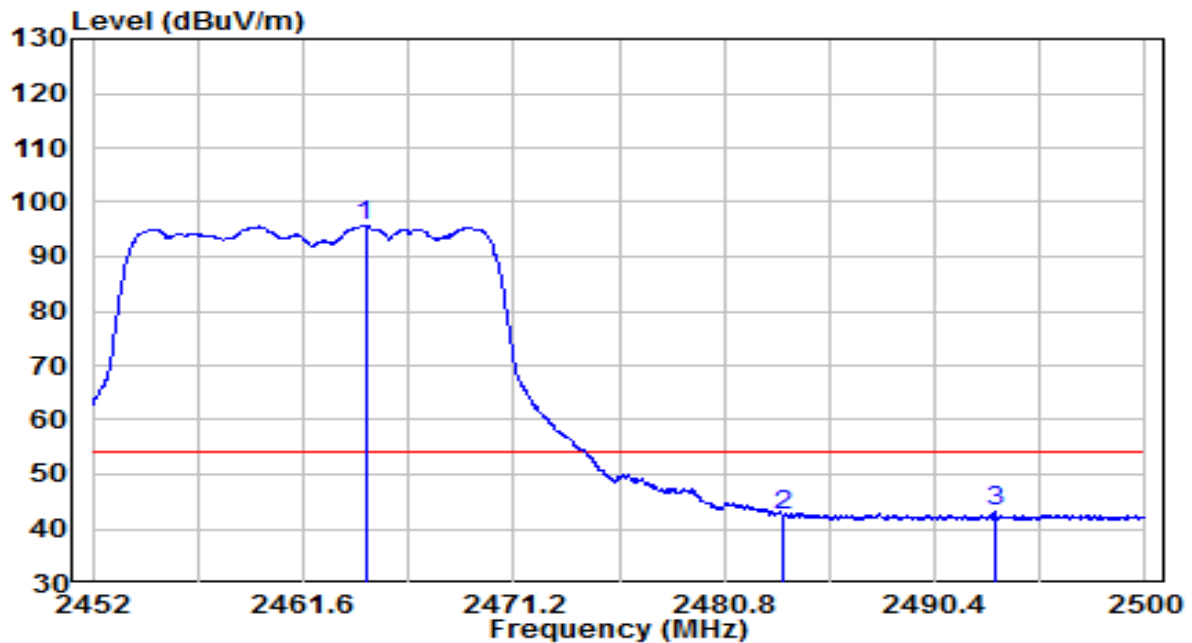


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2464.552	71.51	32.53	104.04	N/A	N/A	Peak
2		2483.488	24.15	32.61	56.76	-17.24	74.00	Peak
3		2494.432	26.37	32.66	59.03	-14.97	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2462MHz	Test Voltage	AC 120V/60Hz

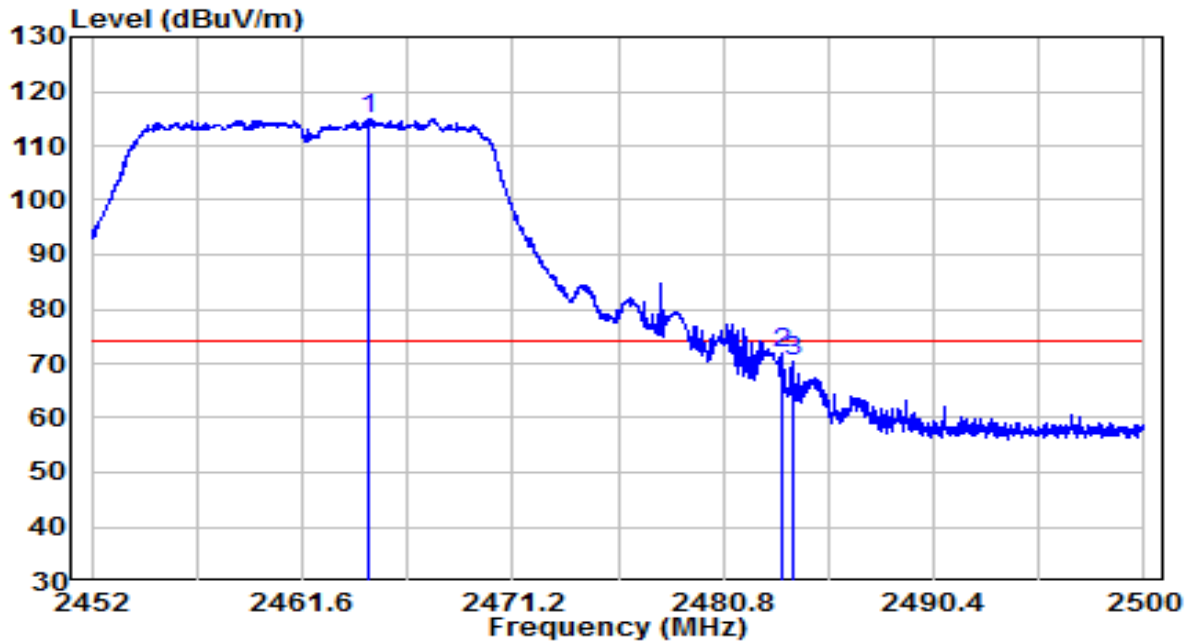


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2464.432	63.08	32.53	95.61	N/A	N/A	Average
2		2483.500	9.90	32.61	42.51	-11.49	54.00	Average
3		2493.112	10.49	32.65	43.14	-10.86	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2462MHz	Test Voltage	AC 120V/60Hz

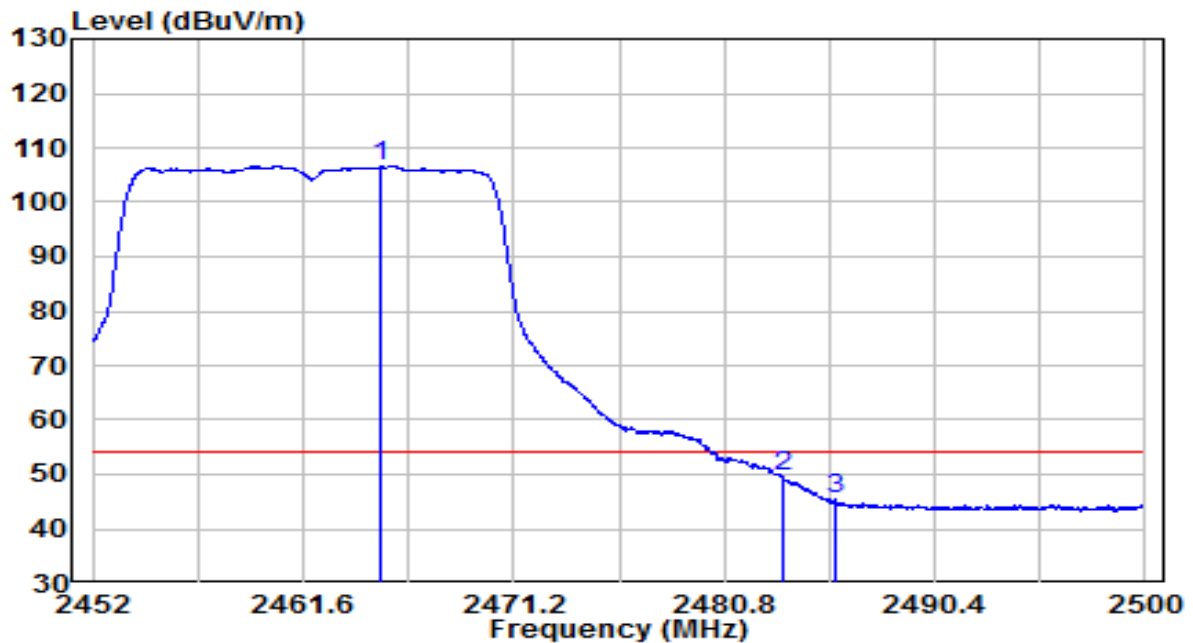


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2464.624	82.51	32.53	115.04	N/A	N/A	Peak
2		2483.500	39.12	32.61	71.73	-2.27	74.00	Peak
3		2484.016	37.78	32.61	70.39	-3.61	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AX3000 Wi-Fi 6 Range Extender	Date of Test	2021-09-29
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	27.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11g at channel 2462MHz	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2465.176	74.01	32.53	106.54	N/A	N/A	Average
2		2483.500	16.93	32.61	49.54	-4.46	54.00	Average
3		2485.840	12.80	32.62	45.42	-8.58	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).