

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

Channel 03 (2422MHz)

Low Band Edge

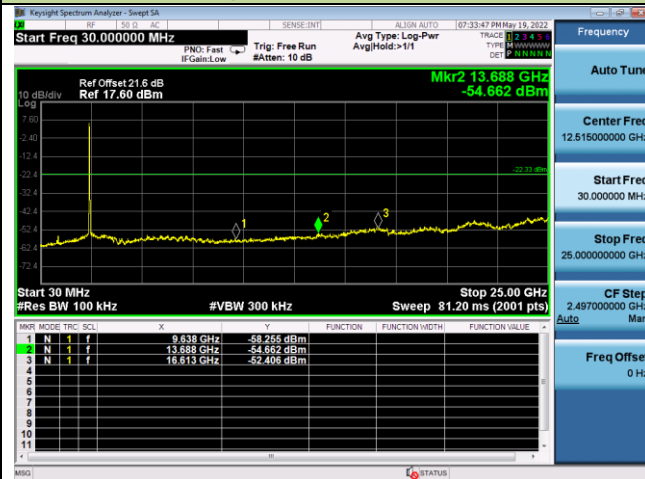


Spurious Emission



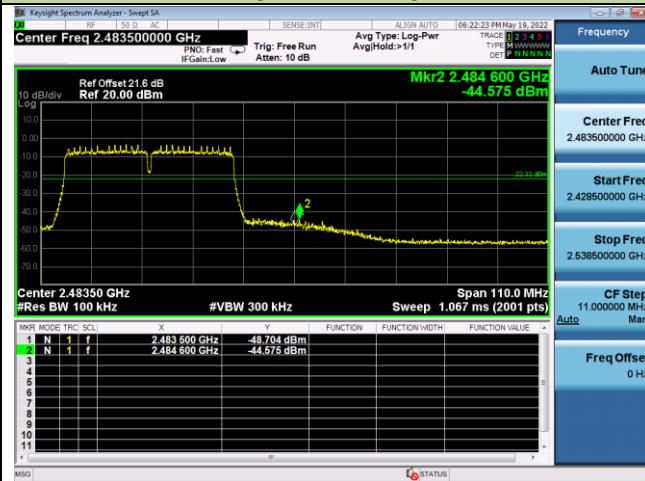
Channel 06 (2437MHz)

Spurious Emission

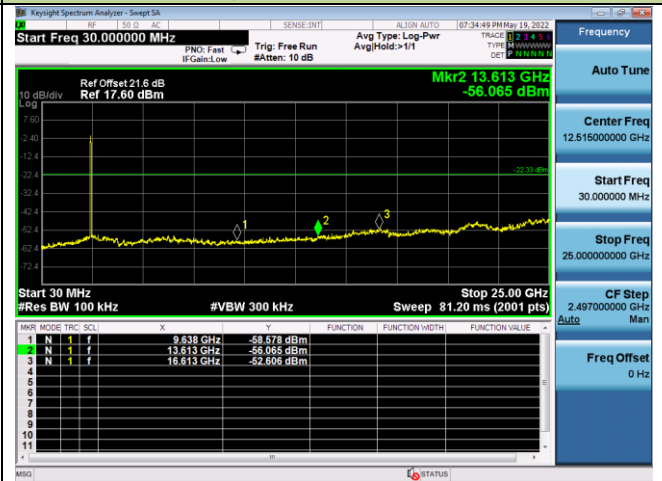


Channel 09 (2452MHz)

High Band Edge



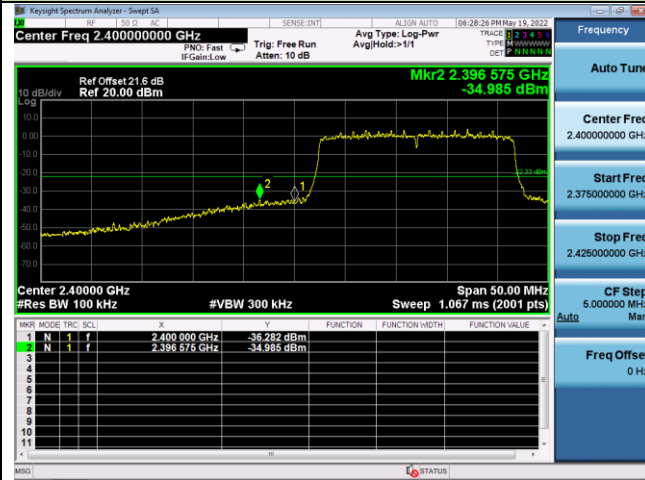
Spurious Emission



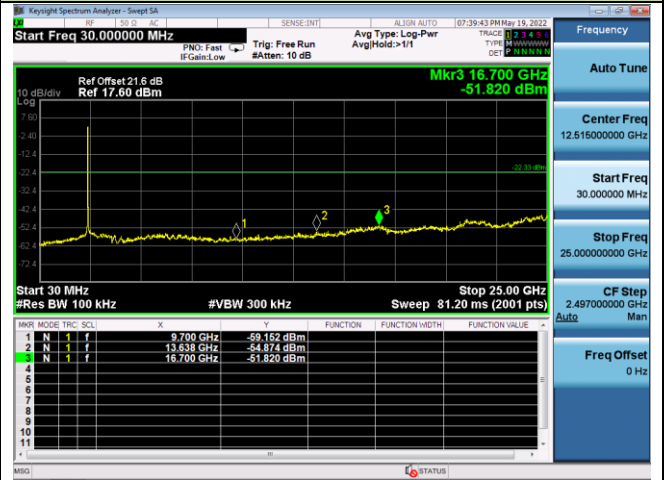
802.11ax-HE20 Out-of-Band Emissions – Ant 1

Channel 01 (2412MHz)

Low Band Edge

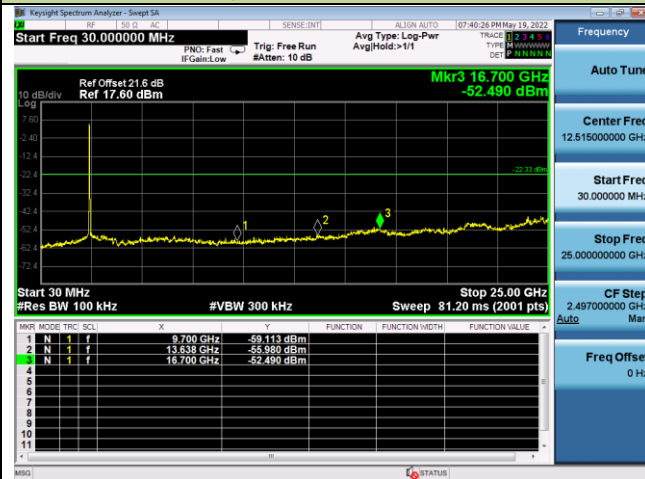


Spurious Emission



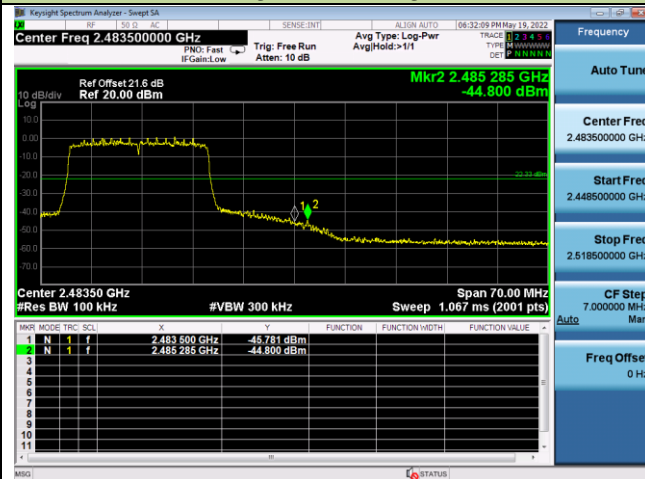
Channel 06 (2437MHz)

Spurious Emission

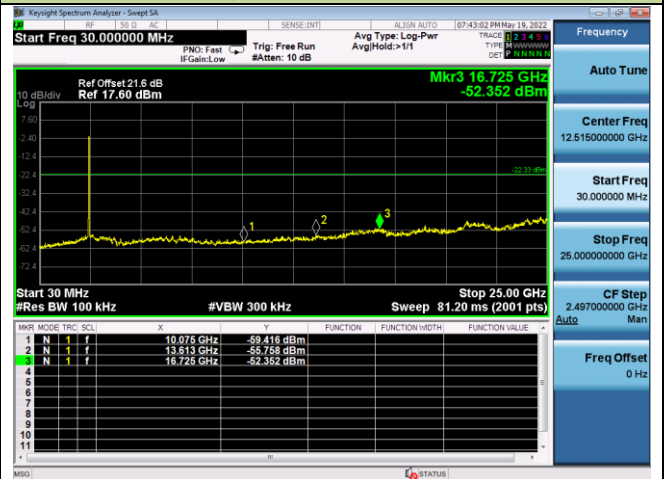


Channel 11 (2462MHz)

High Band Edge



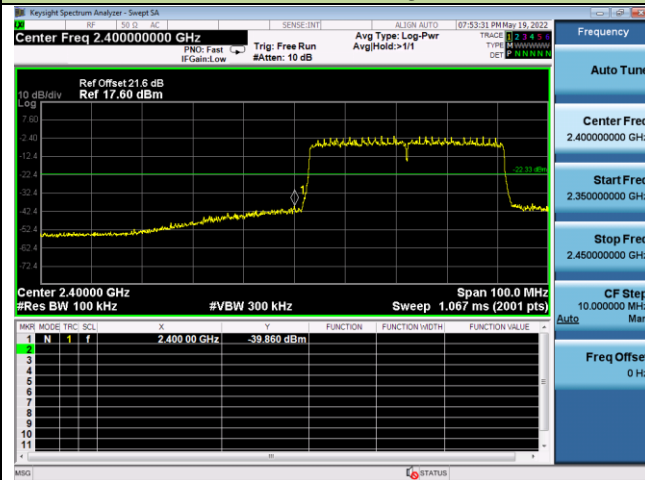
Spurious Emission



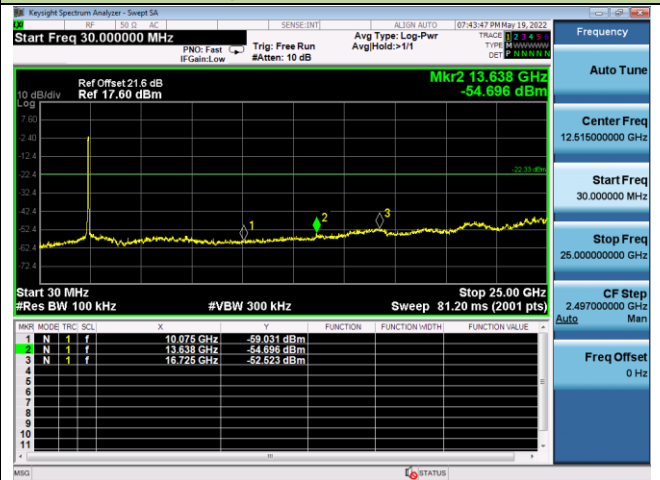
802.11ax-HE40 Out-of-Band Emissions – Ant 1

Channel 03 (2422MHz)

Low Band Edge

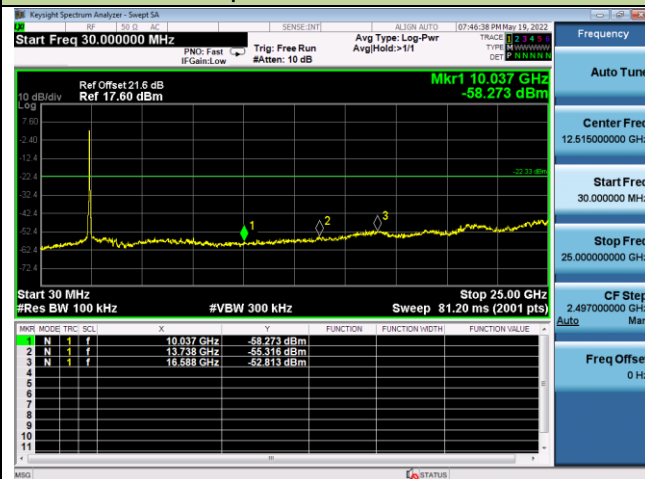


Spurious Emission



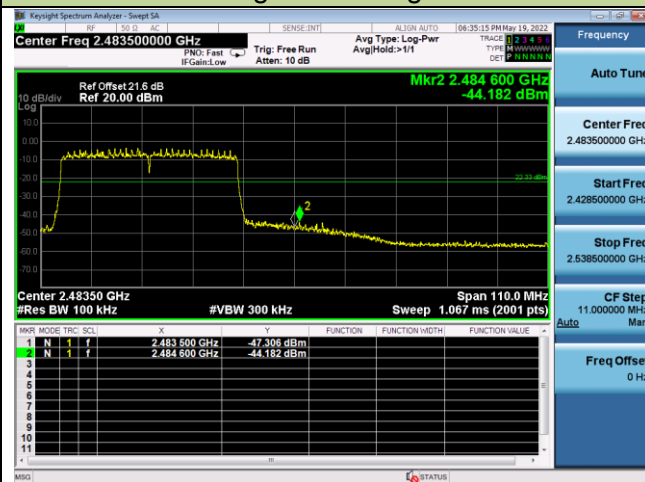
Channel 06 (2437MHz)

Spurious Emission

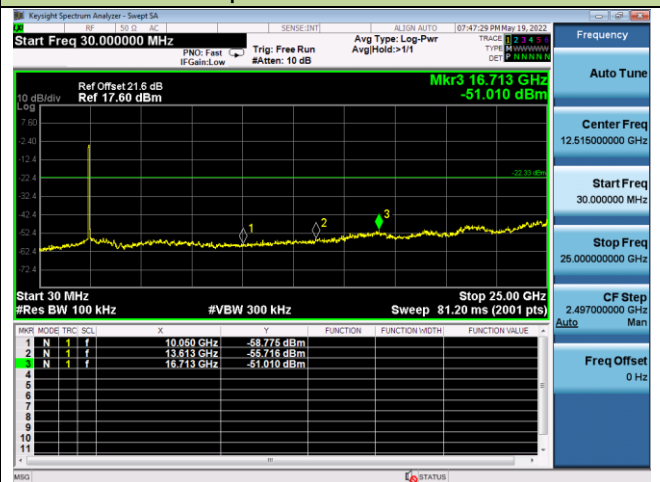


Channel 09 (2452MHz)

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 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/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 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

7.6.3. Test Setting

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 or average
5. Sweep time = auto couple
6. Trace was allowed to stabilize

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
> 1000 MHz	1 MHz

Peak Measurements above 1GHz

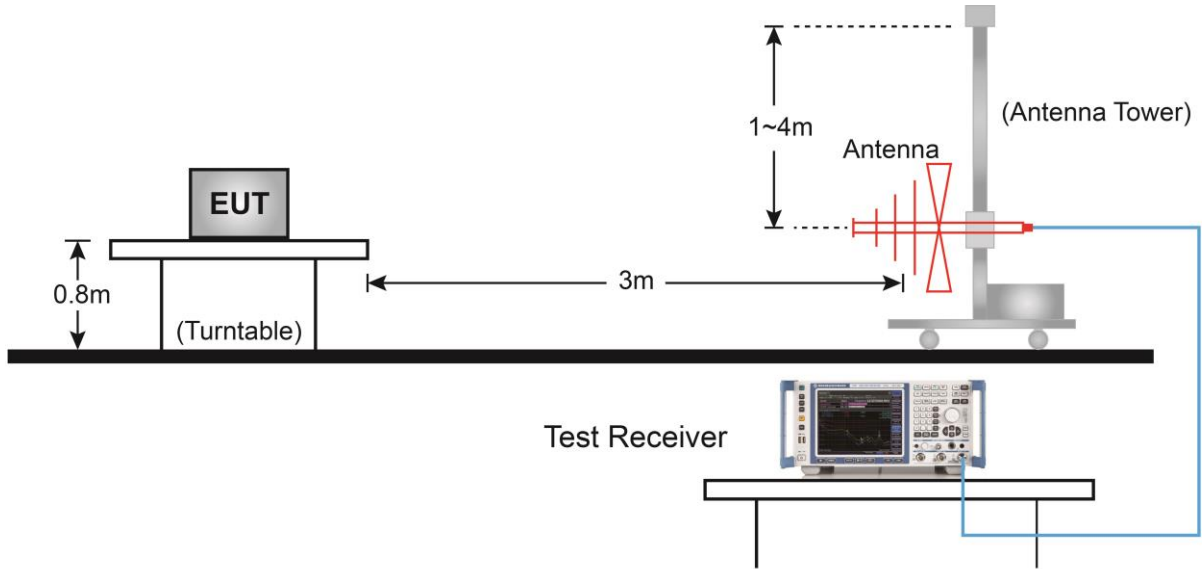
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

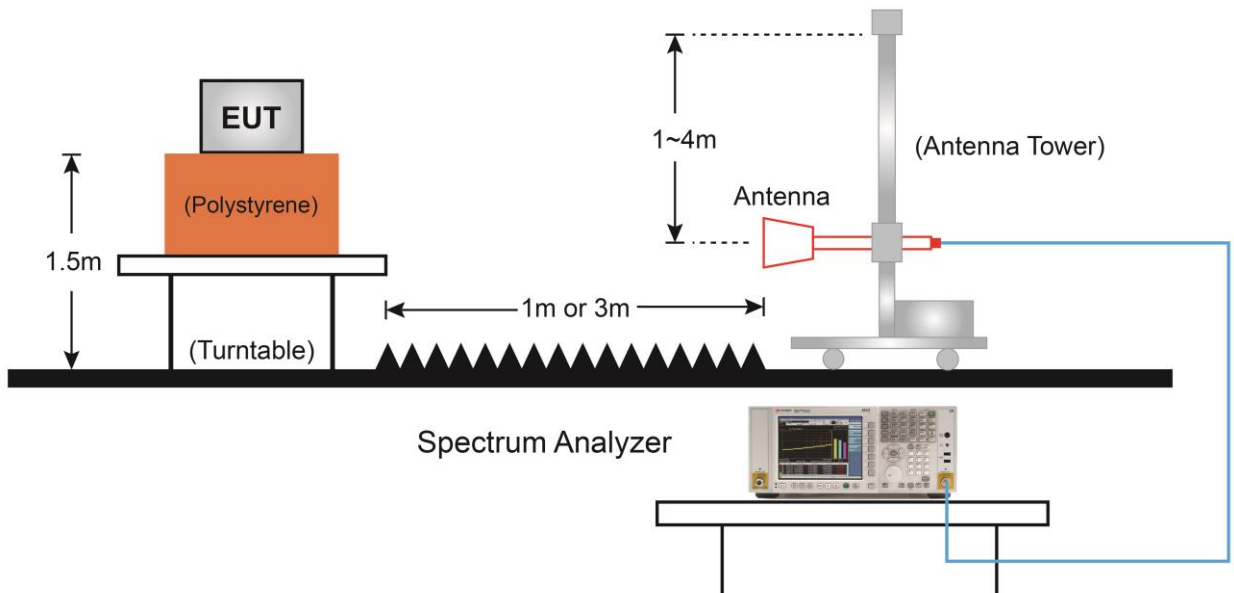
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.
4. 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:

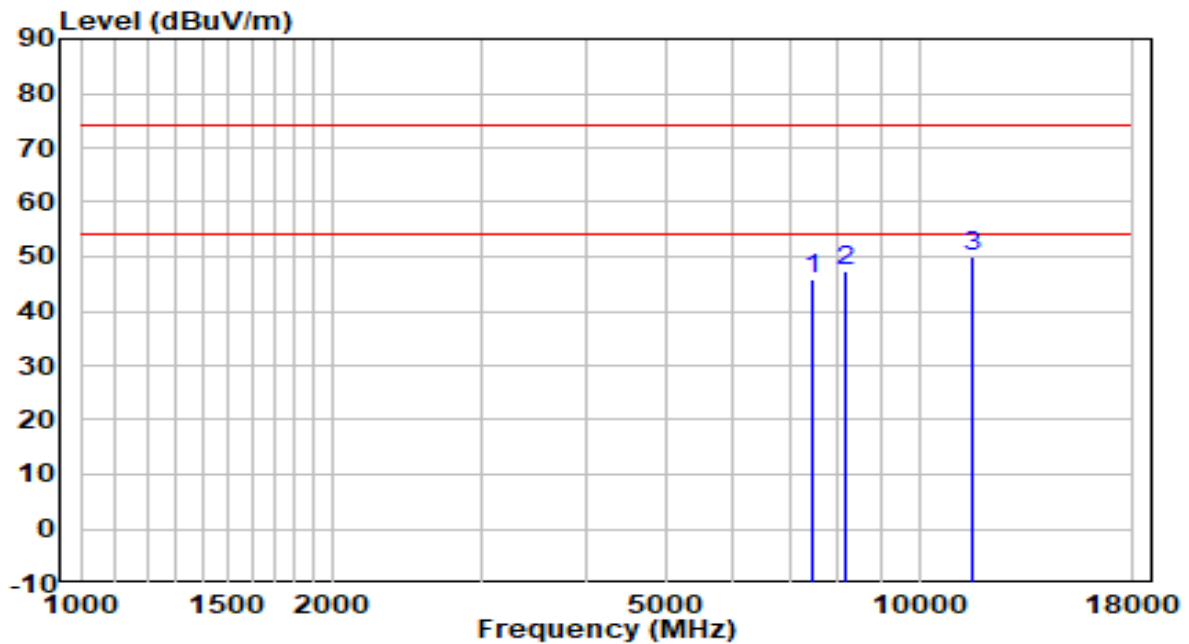


Above 1GHz Test Setup:



7.6.5. Test Result

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC

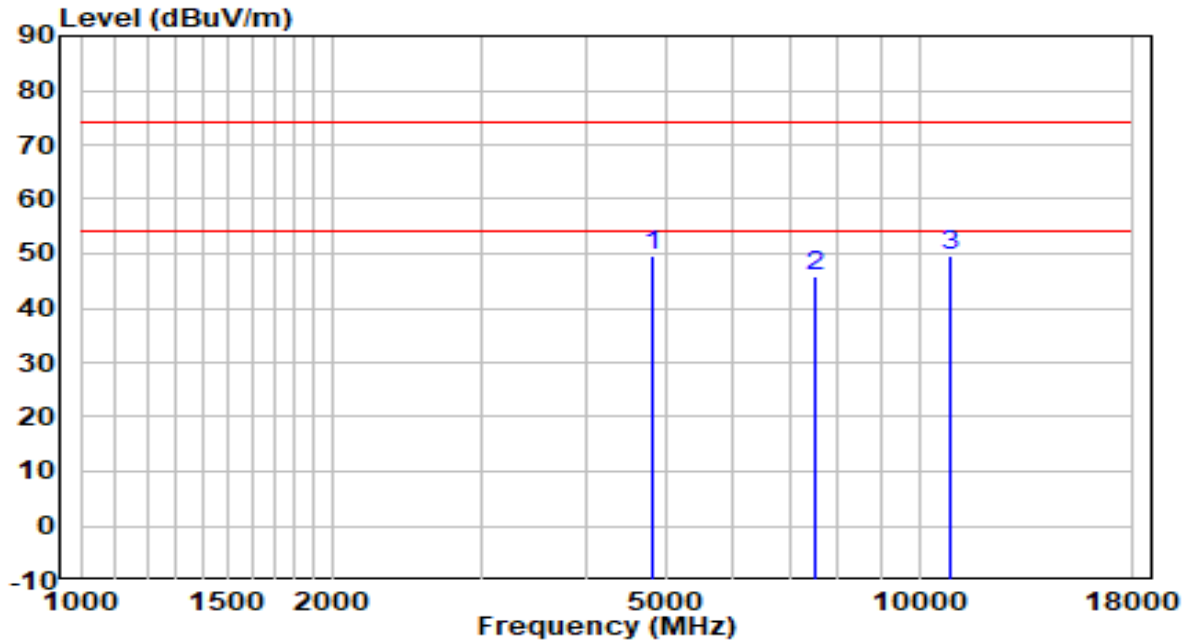


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7477.000	32.93	12.91	45.85	-28.15	74.00	Peak
2	8165.500	33.92	13.50	47.42	-26.58	74.00	Peak
3	* 11574.000	29.93	19.88	49.82	-24.18	74.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC

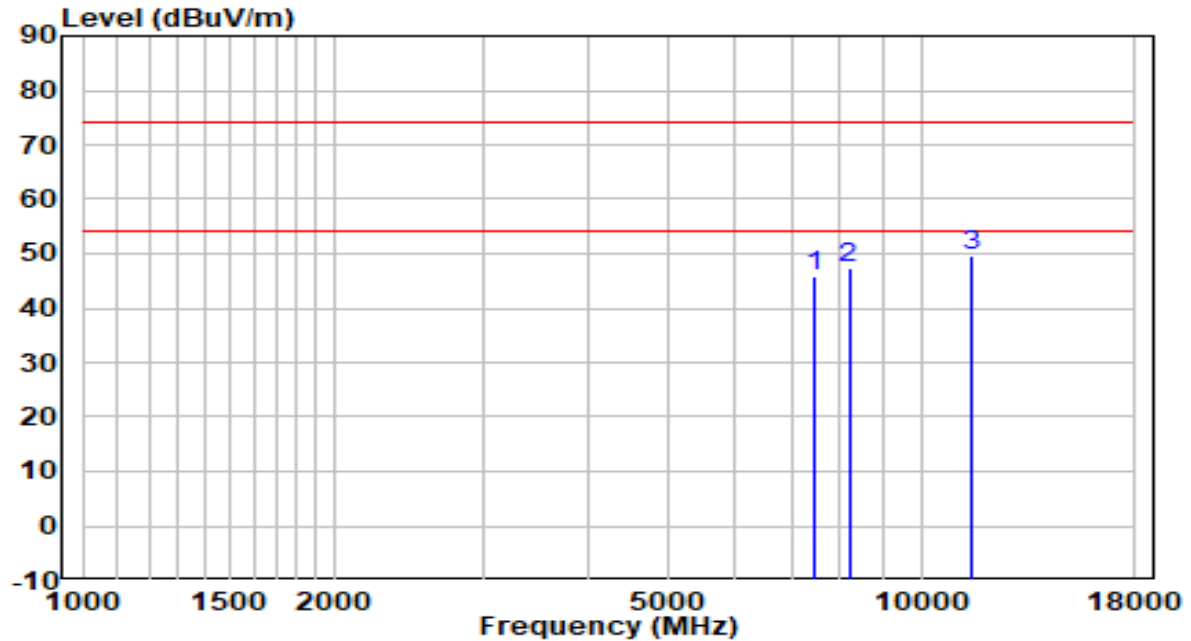


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	4825.000	46.03	3.64	49.66	-24.34	74.00	Peak
2	7494.000	32.91	12.99	45.90	-28.10	74.00	Peak
3	* 10919.500	30.64	19.17	49.80	-24.20	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2437MHz	Test Voltage	By PC

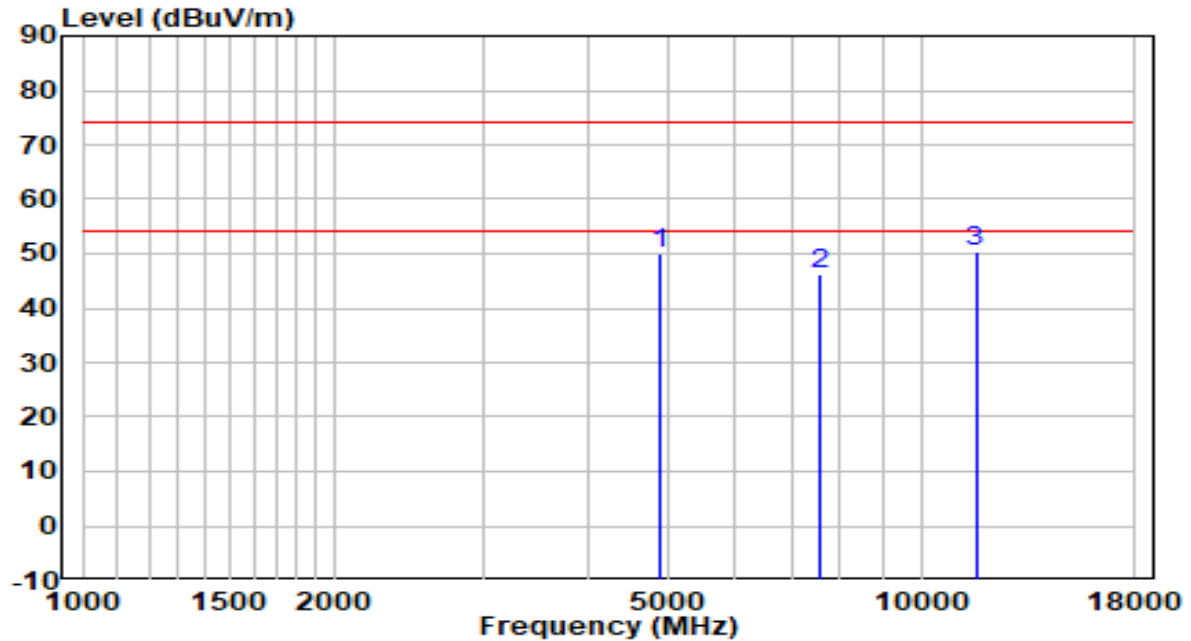


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7468.500	32.85	12.88	45.73	-28.27	74.00	Peak
2	8199.500	33.67	13.52	47.19	-26.81	74.00	Peak
3	* 11523.000	29.71	20.00	49.71	-24.29	74.00	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2437MHz	Test Voltage	By PC

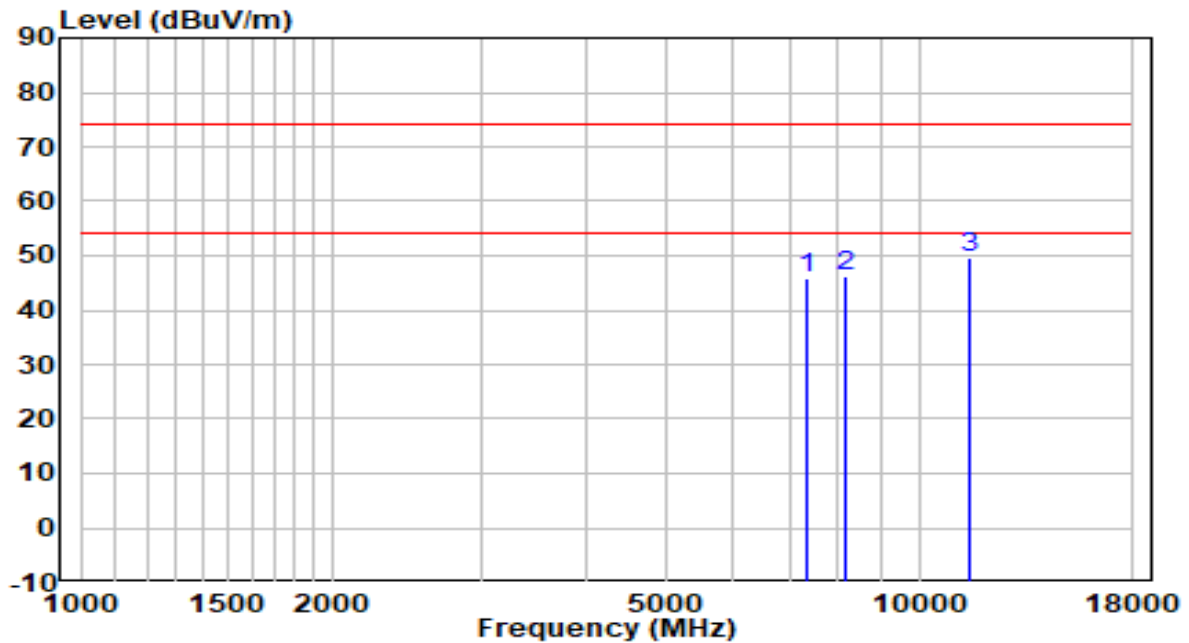


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	4876.000	46.43	3.73	50.15	-23.85	74.00	Peak
2	7596.000	33.26	13.09	46.36	-27.64	74.00	Peak
3	* 11616.500	30.46	19.79	50.25	-23.75	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2462MHz	Test Voltage	By PC

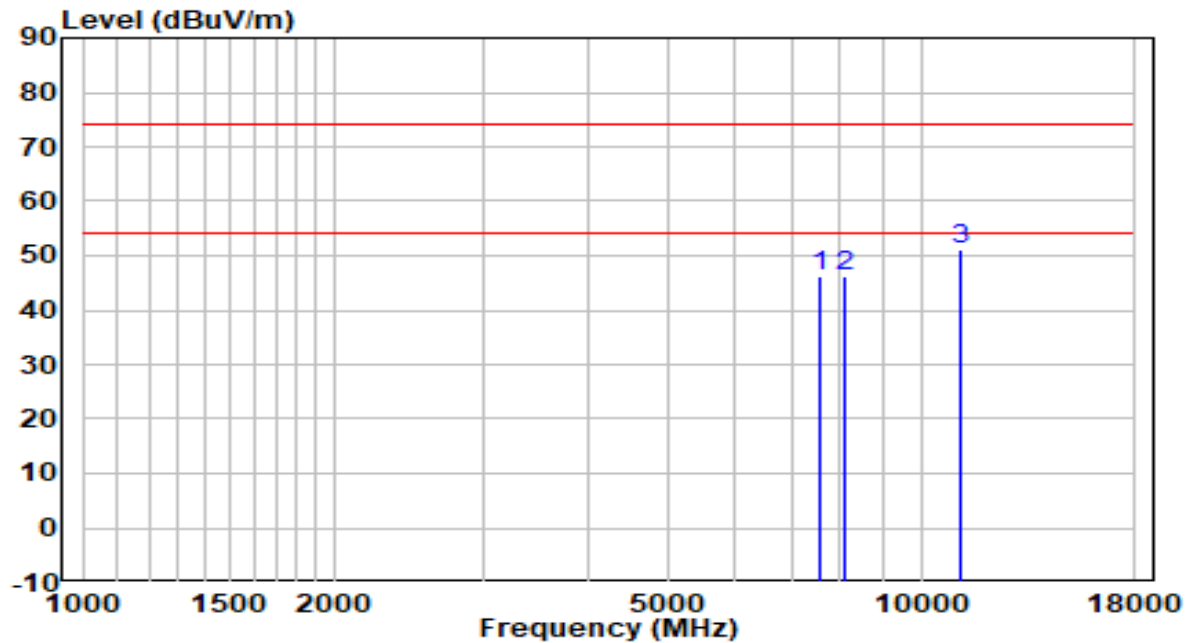


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7366.500	33.45	12.42	45.88	-28.12	74.00	Peak
2	8191.000	32.65	13.52	46.17	-27.83	74.00	Peak
3	* 11489.000	29.63	20.03	49.66	-24.34	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2462MHz	Test Voltage	By PC

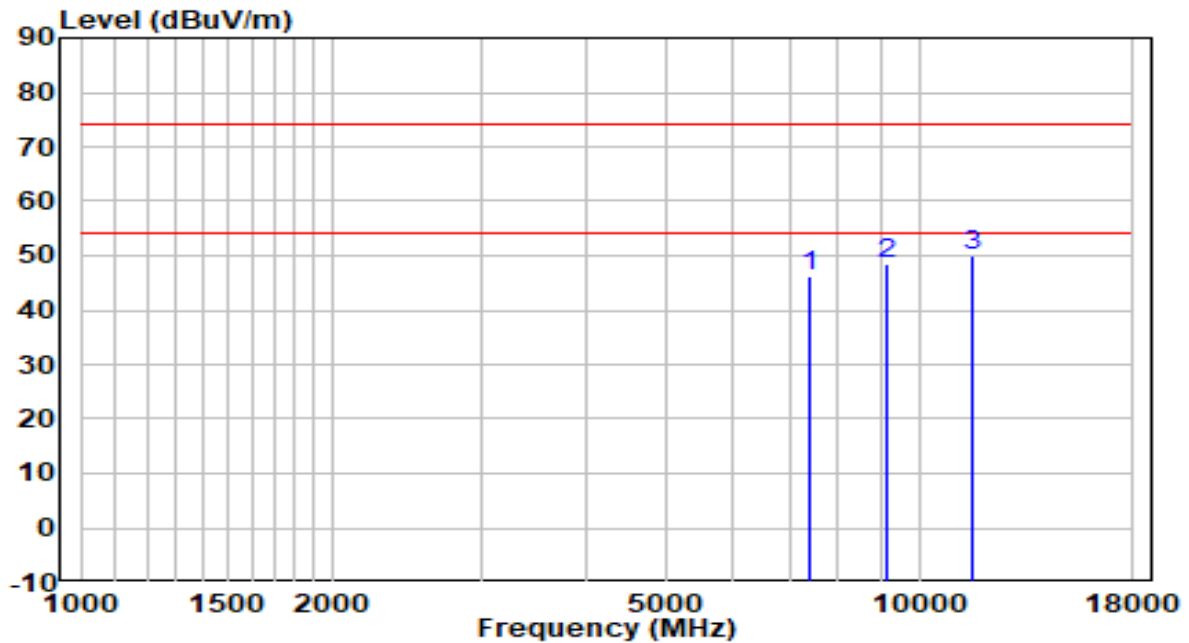


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7587.500	33.19	13.09	46.28	-27.72	74.00	Peak
2	8123.000	32.58	13.49	46.07	-27.93	74.00	Peak
3	* 11106.500	31.69	19.44	51.13	-22.87	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at 2412MHz	Test Voltage	By PC

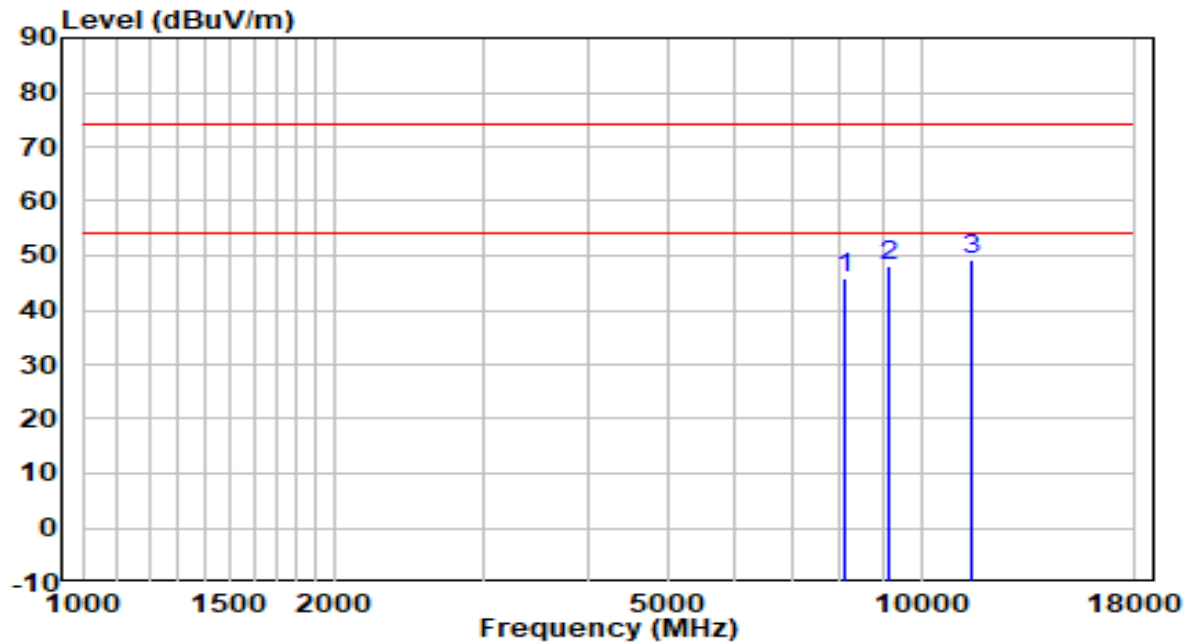


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7426.000	33.59	12.69	46.27	-27.73	74.00	Peak
2	9177.000	33.24	15.18	48.41	-25.59	74.00	Peak
3	* 11531.500	30.19	19.98	50.17	-23.83	74.00	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier (dB).
- Measurement (dB μ V/m) = Reading (dB μ V) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at 2412MHz	Test Voltage	By PC

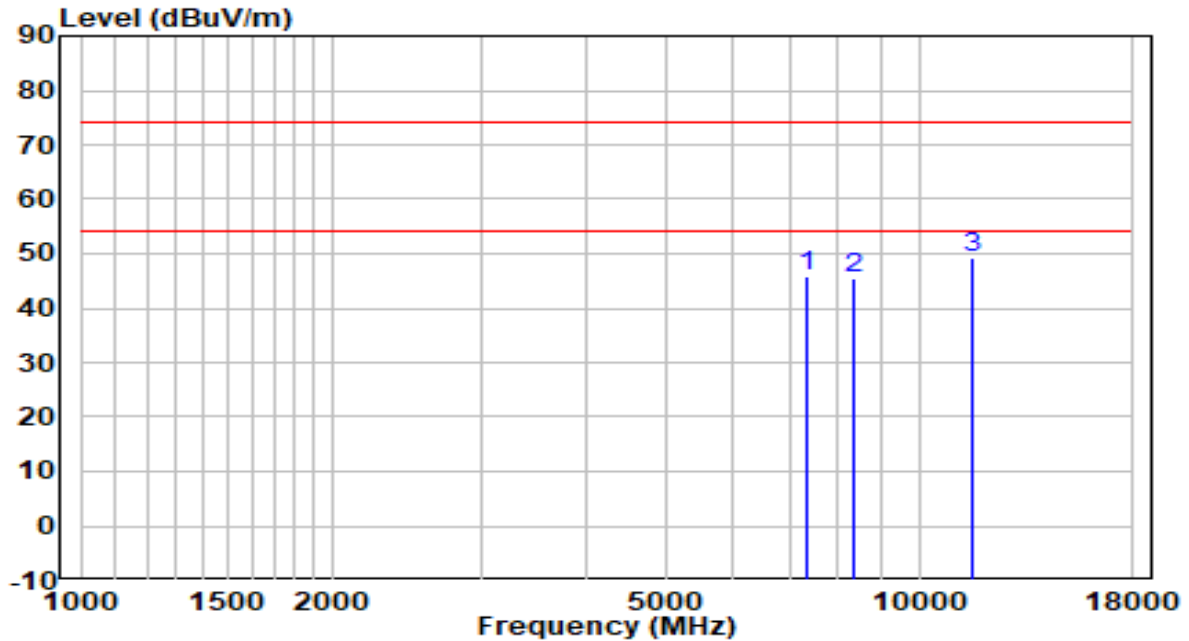


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	8097.500	32.56	13.47	46.04	-27.96	74.00	Peak
2	9151.500	33.01	15.13	48.15	-25.85	74.00	Peak
3	* 11480.500	29.38	20.02	49.40	-24.60	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at 2437MHz	Test Voltage	By PC

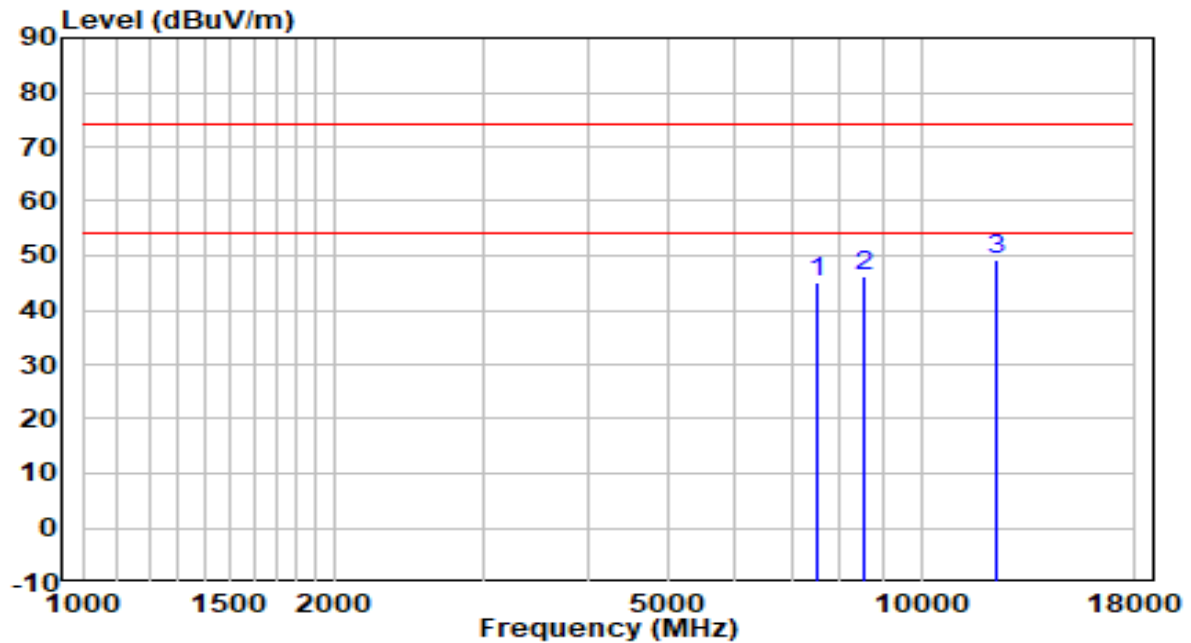


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7341.000	33.70	12.31	46.01	-27.99	74.00	Peak
2	8369.500	31.80	13.60	45.39	-28.61	74.00	Peak
3	* 11548.500	29.32	19.94	49.26	-24.74	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at 2437MHz	Test Voltage	By PC

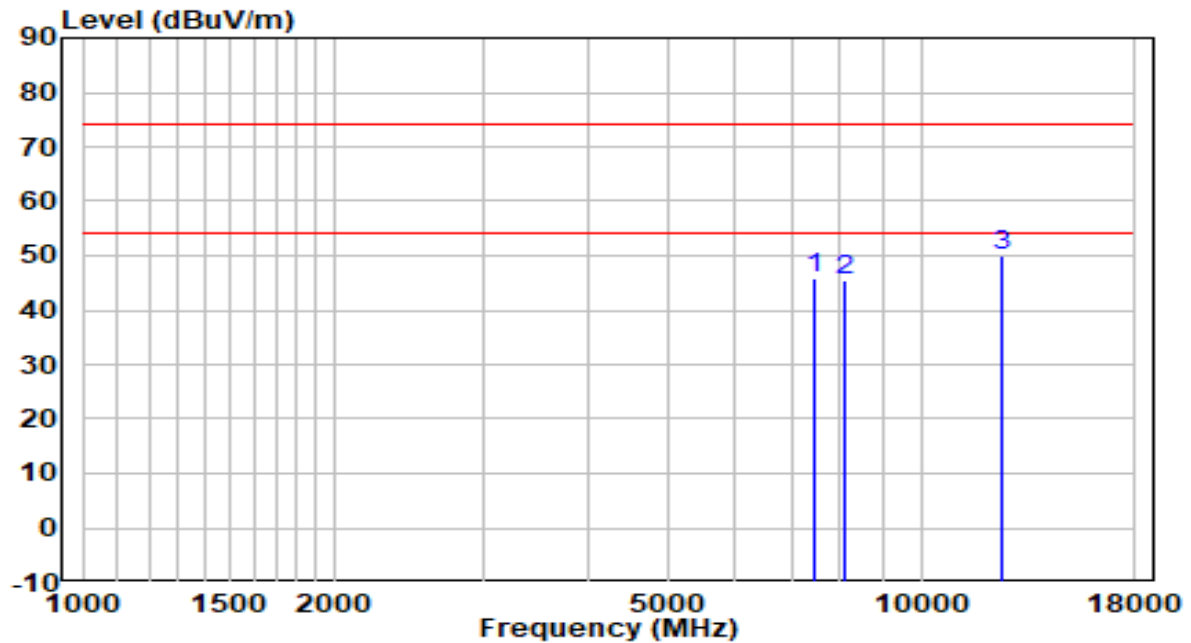


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7502.500	32.18	13.02	45.20	-28.80	74.00	Peak
2	8556.500	32.55	13.79	46.34	-27.66	74.00	Peak
3	* 12330.500	30.78	18.58	49.36	-24.64	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at 2462MHz	Test Voltage	By PC

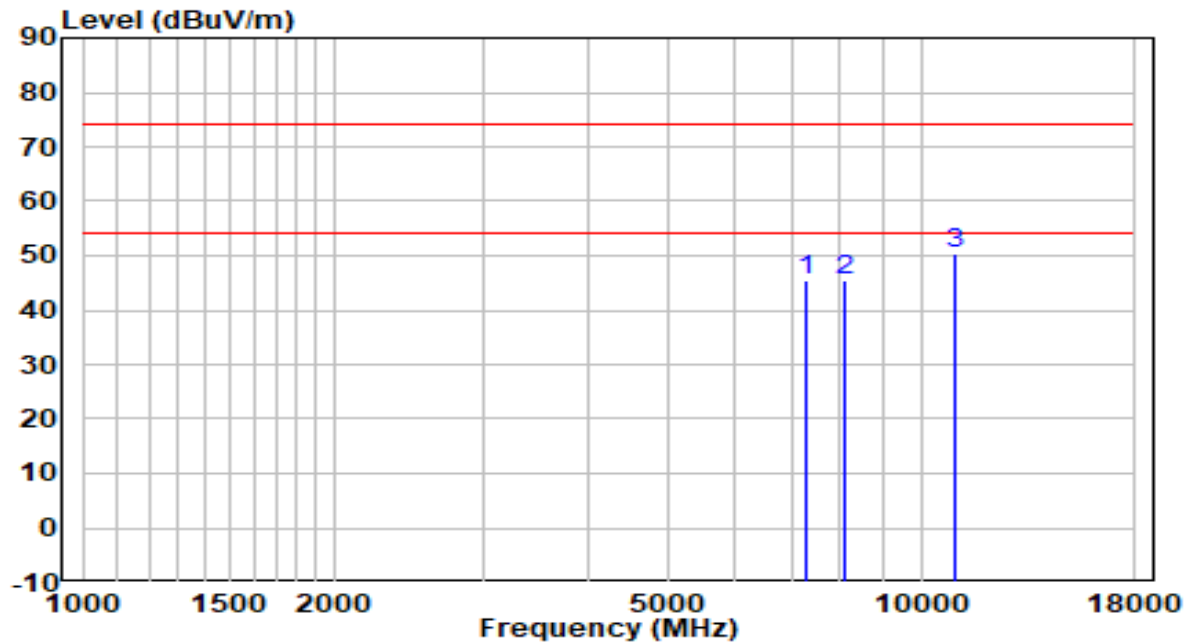


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7485.500	32.90	12.95	45.85	-28.15	74.00	Peak
2	8131.500	32.08	13.49	45.57	-28.43	74.00	Peak
3	* 12441.000	31.57	18.47	50.03	-23.97	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at 2462MHz	Test Voltage	By PC

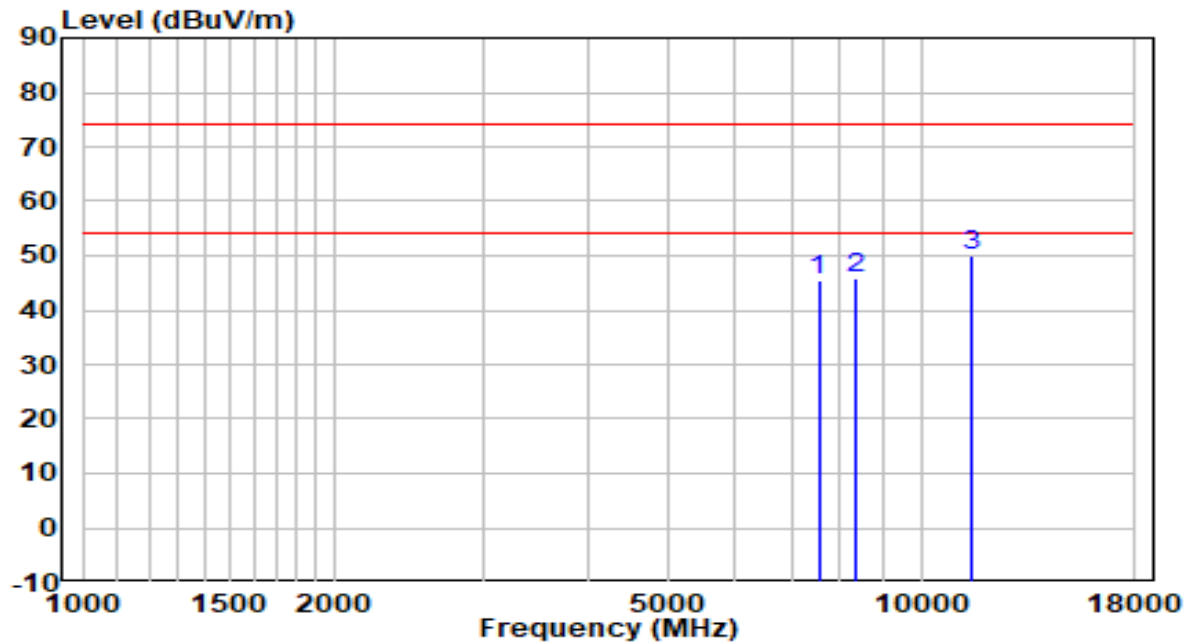


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	7298.500	33.36	12.12	45.48	-28.52	74.00	Peak
2	8114.500	32.12	13.48	45.60	-28.40	74.00	Peak
3	* 10996.000	31.01	19.27	50.29	-23.71	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at 2412MHz	Test Voltage	By PC

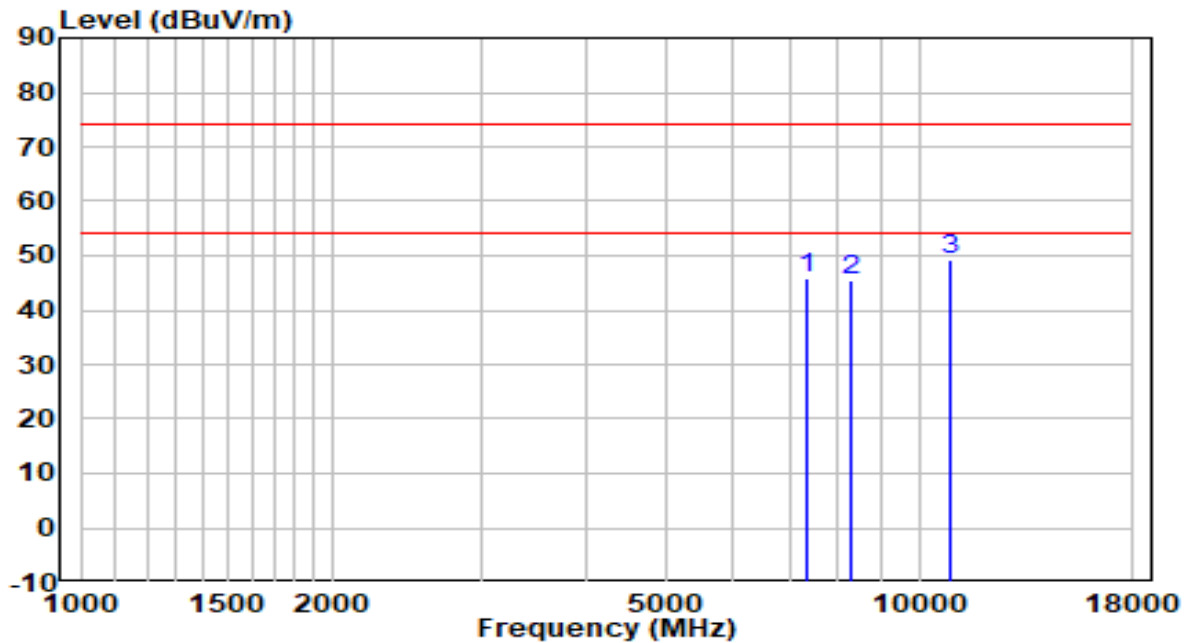


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7545.000	32.35	13.05	45.41	-28.59	74.00	Peak
2	8369.500	32.14	13.60	45.73	-28.27	74.00	Peak
3	* 11480.500	30.15	20.02	50.17	-23.83	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at 2412MHz	Test Voltage	By PC

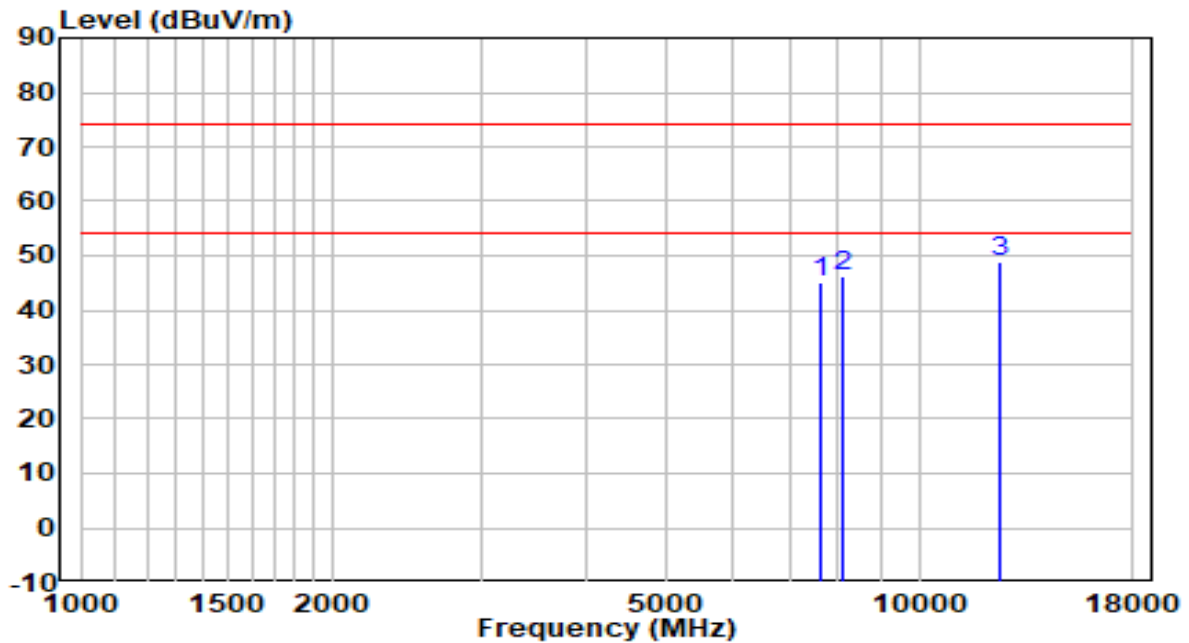


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7324.000	33.60	12.24	45.84	-28.16	74.00	Peak
2	8267.500	31.95	13.55	45.50	-28.50	74.00	Peak
3	* 10868.500	30.22	19.09	49.31	-24.69	74.00	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier (dB).
- Measurement (dB μ V/m) = Reading (dB μ V) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at 2437MHz	Test Voltage	By PC

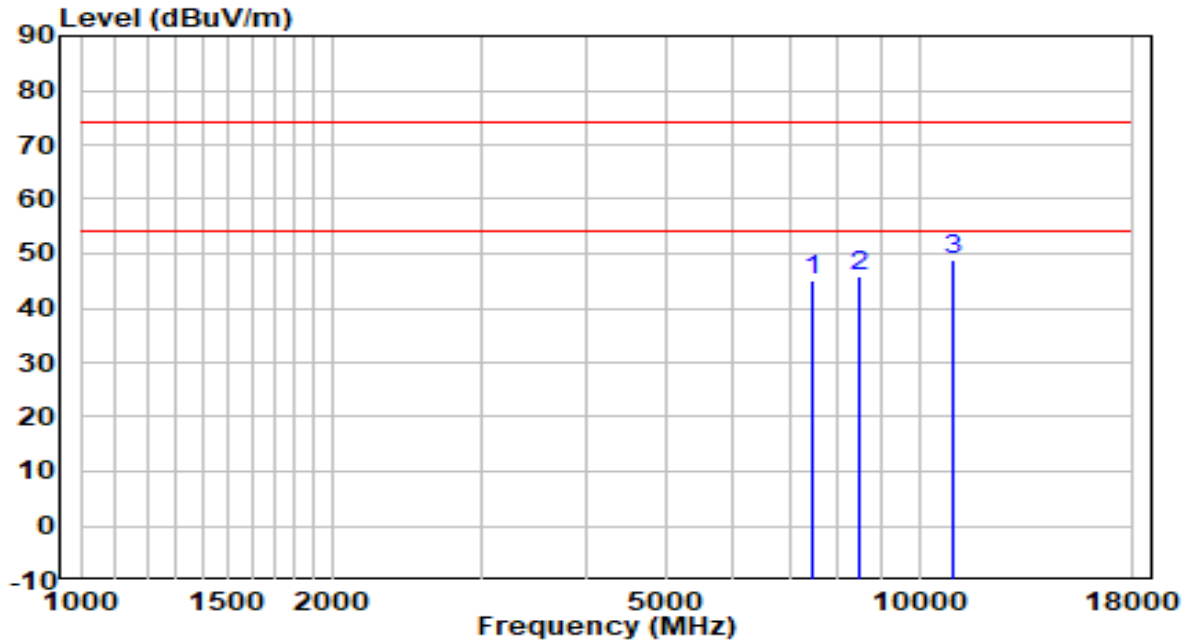


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7638.500	32.07	13.13	45.20	-28.80	74.00	Peak
2	8131.500	32.85	13.49	46.34	-27.66	74.00	Peak
3	* 12449.500	30.48	18.46	48.93	-25.07	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at 2437MHz	Test Voltage	By PC

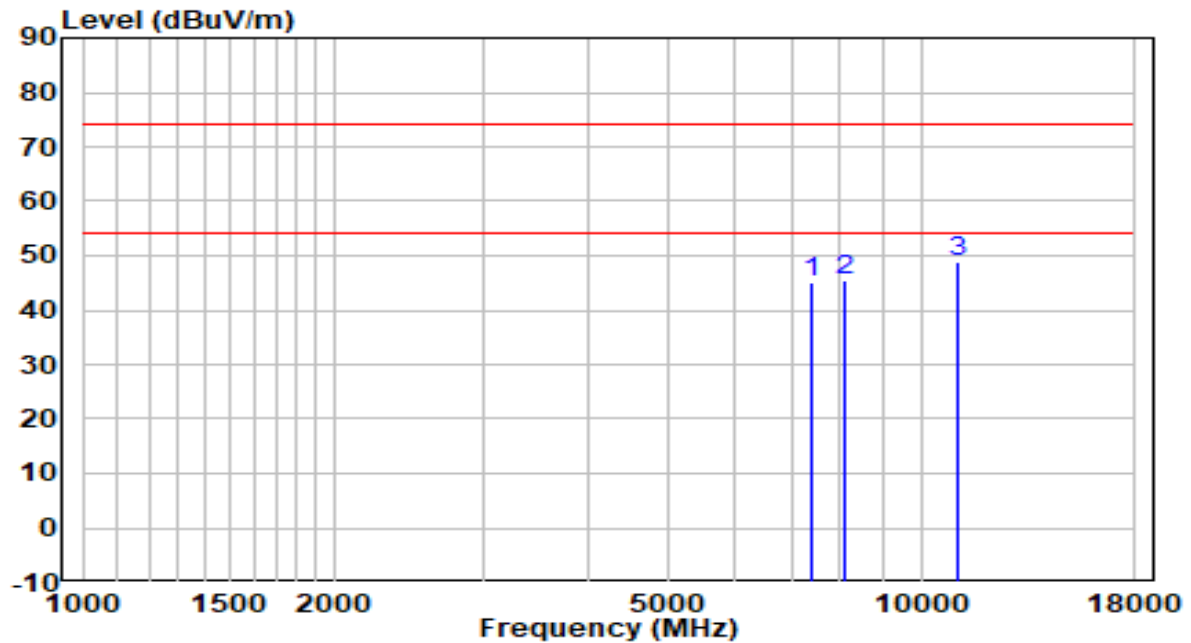


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7434.500	32.49	12.72	45.21	-28.79	74.00	Peak
2	8463.000	32.08	13.64	45.72	-28.28	74.00	Peak
3	* 10970.500	29.76	19.24	49.00	-25.00	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at 2462MHz	Test Voltage	By PC

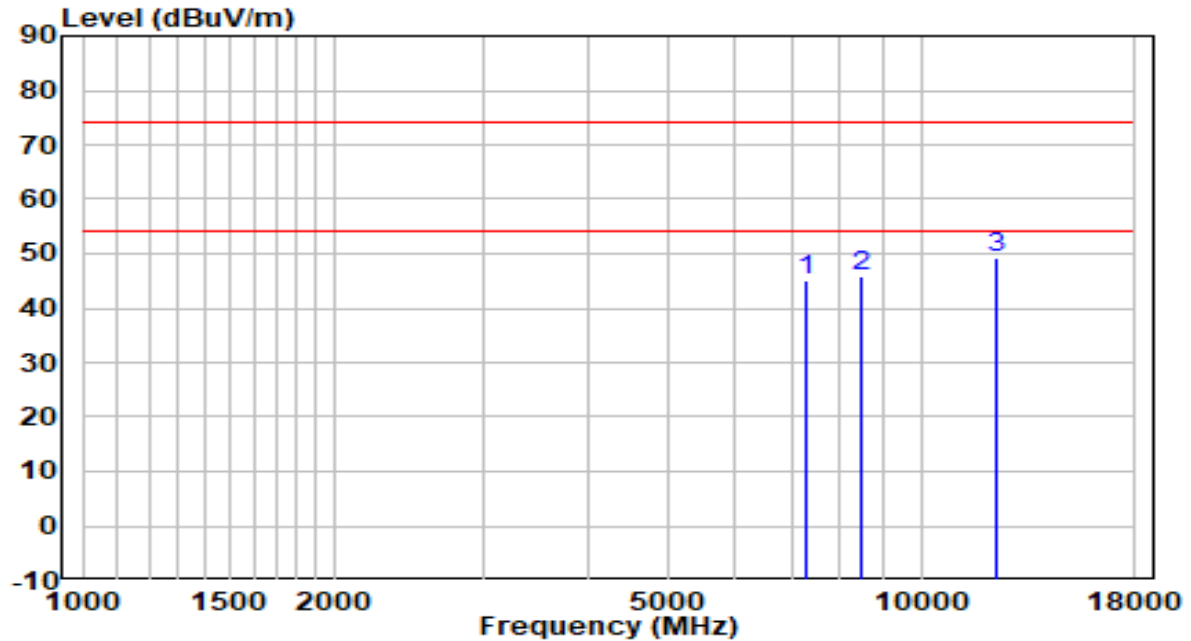


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7392.000	32.52	12.54	45.06	-28.94	74.00	Peak
2	8123.000	32.13	13.49	45.61	-28.39	74.00	Peak
3	* 11064.000	29.54	19.38	48.92	-25.08	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at 2462MHz	Test Voltage	By PC

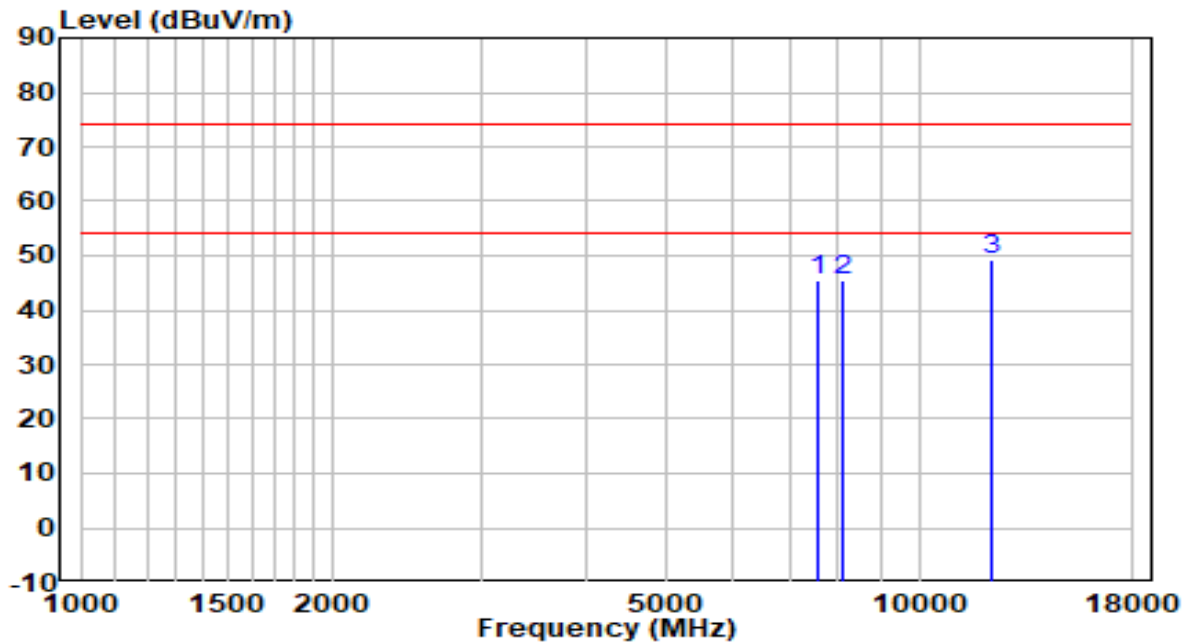


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7281.500	33.23	12.05	45.28	-28.72	74.00	Peak
2	8463.000	32.15	13.64	45.79	-28.21	74.00	Peak
3	* 12279.500	30.59	18.63	49.22	-24.78	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at 2422MHz	Test Voltage	By PC

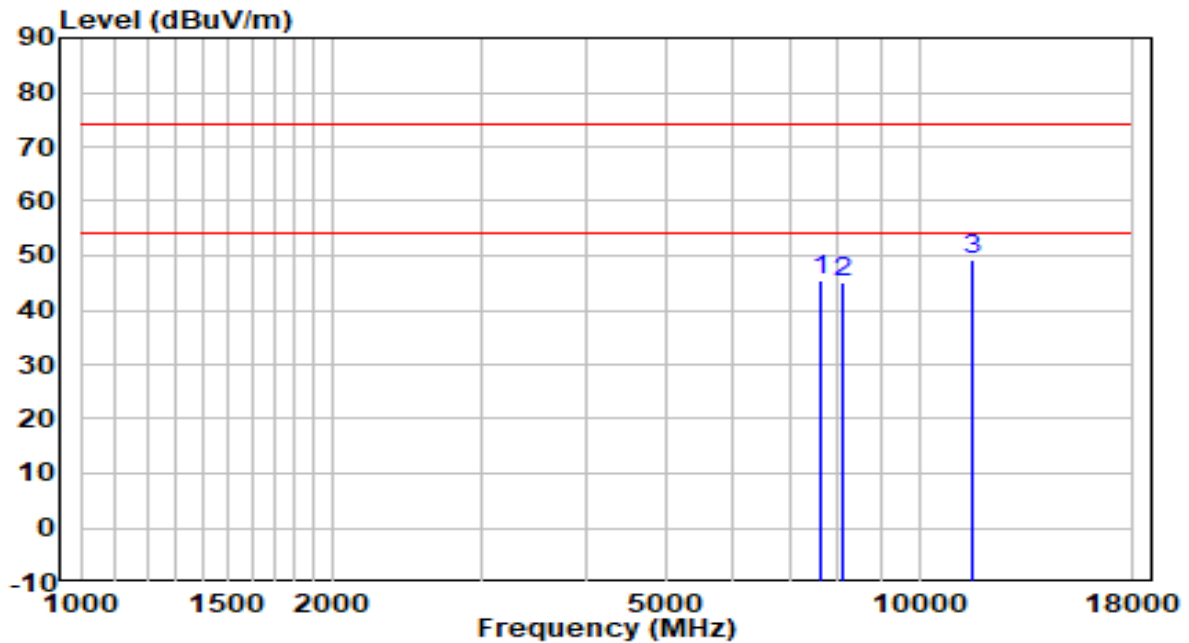


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7579.000	32.47	13.08	45.55	-28.45	74.00	Peak
2	8106.000	31.94	13.48	45.41	-28.59	74.00	Peak
3	* 12211.500	30.39	18.70	49.09	-24.91	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at 2422MHz	Test Voltage	By PC

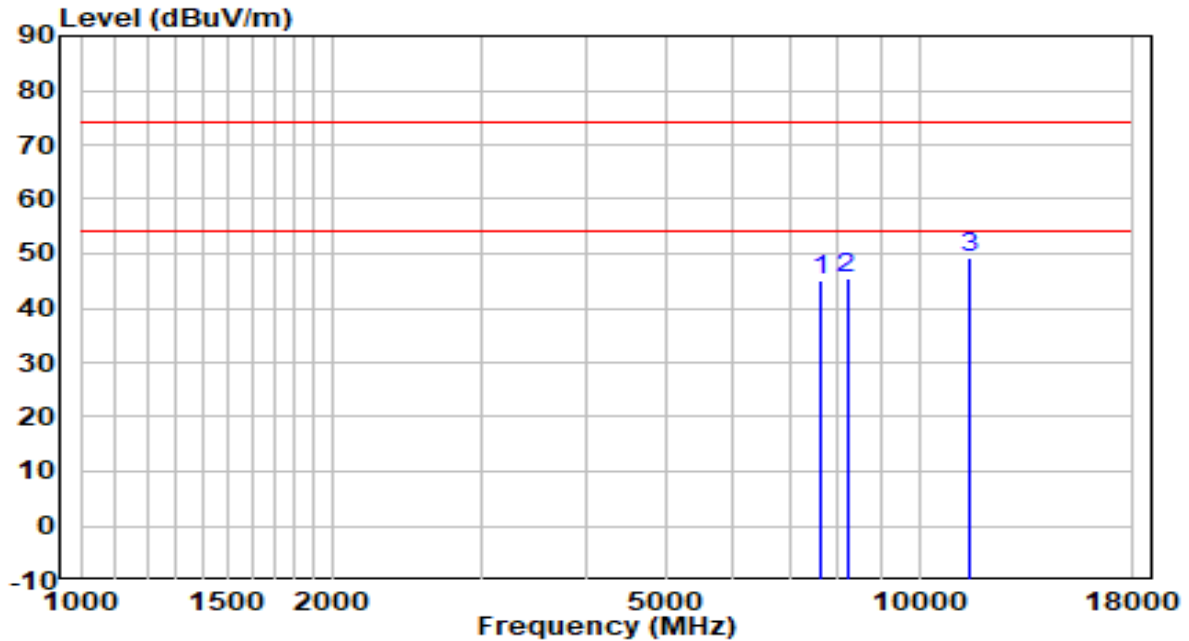


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7630.000	32.17	13.12	45.29	-28.71	74.00	Peak
2	8114.500	31.54	13.48	45.02	-28.98	74.00	Peak
3	* 11599.500	29.27	19.83	49.10	-24.90	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at 2437MHz	Test Voltage	By PC

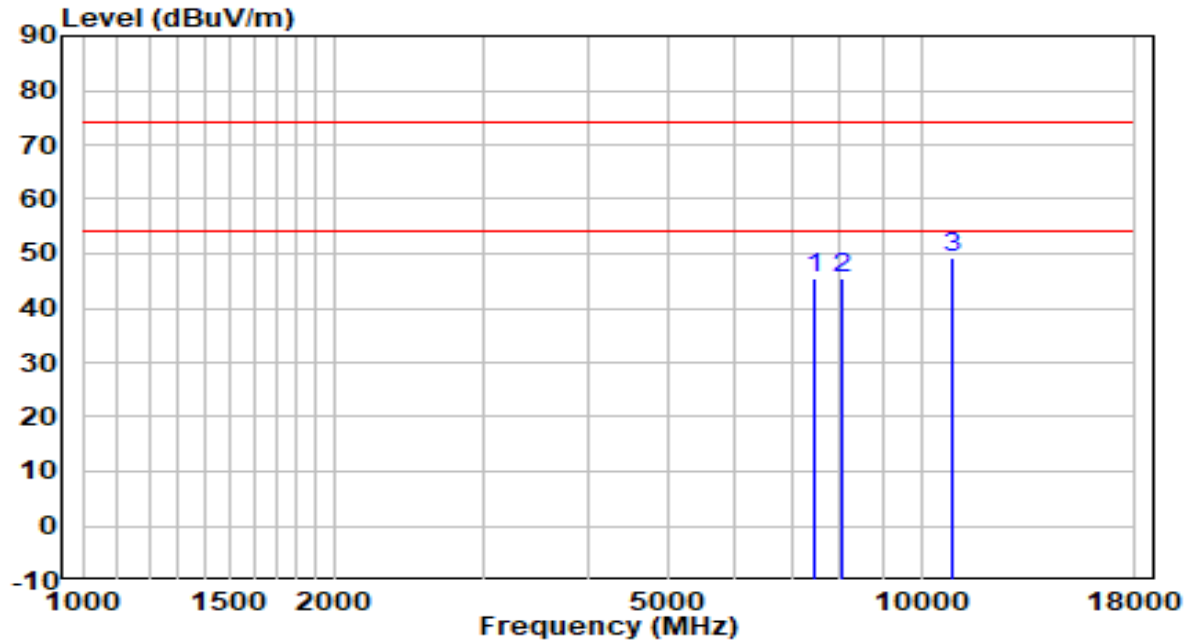


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7621.500	31.95	13.12	45.06	-28.94	74.00	Peak
2	8199.500	32.05	13.52	45.56	-28.44	74.00	Peak
3	* 11497.500	29.32	20.05	49.36	-24.64	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at 2437MHz	Test Voltage	By PC

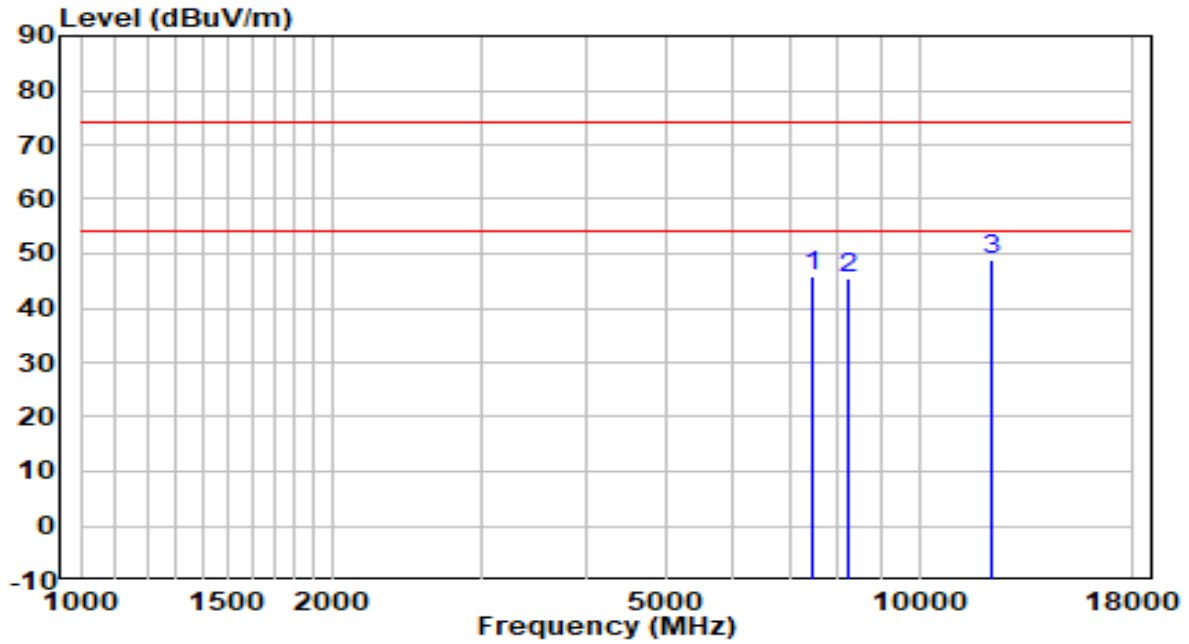


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7485.500	32.44	12.95	45.39	-28.61	74.00	Peak
2	8072.000	32.09	13.46	45.55	-28.45	74.00	Peak
3	* 10860.000	30.04	19.08	49.12	-24.88	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at 2452MHz	Test Voltage	By PC

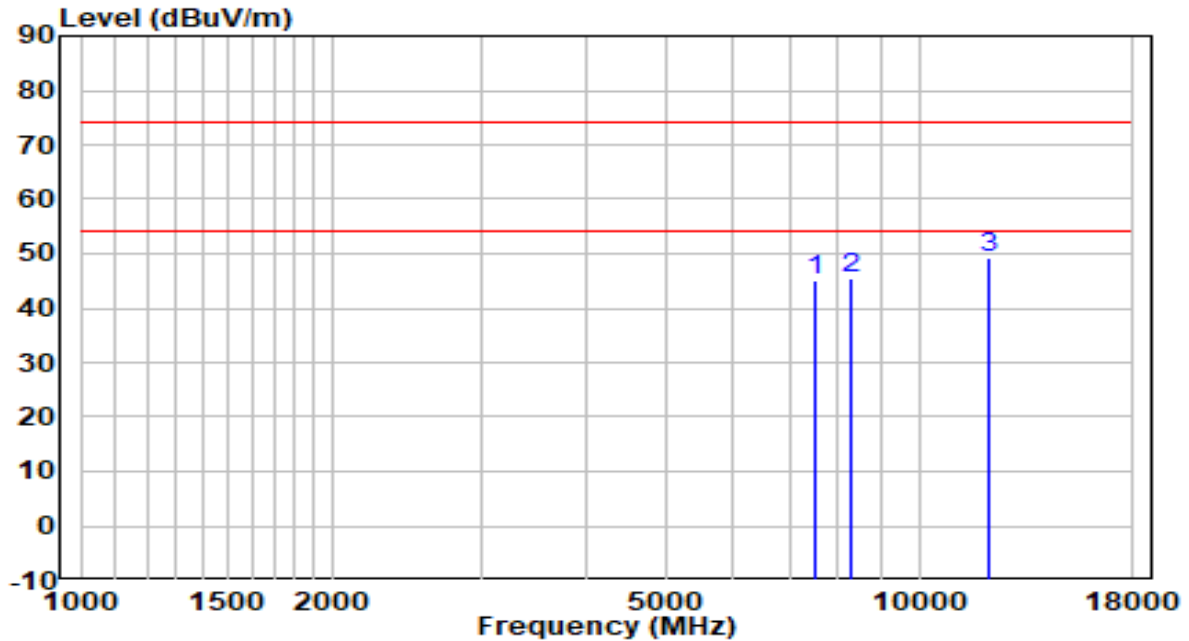


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	7451.500	33.12	12.80	45.92	-28.08	74.00	Peak
2	8208.000	31.77	13.52	45.30	-28.70	74.00	Peak
3	* 12228.500	30.24	18.68	48.93	-25.07	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at 2452MHz	Test Voltage	By PC

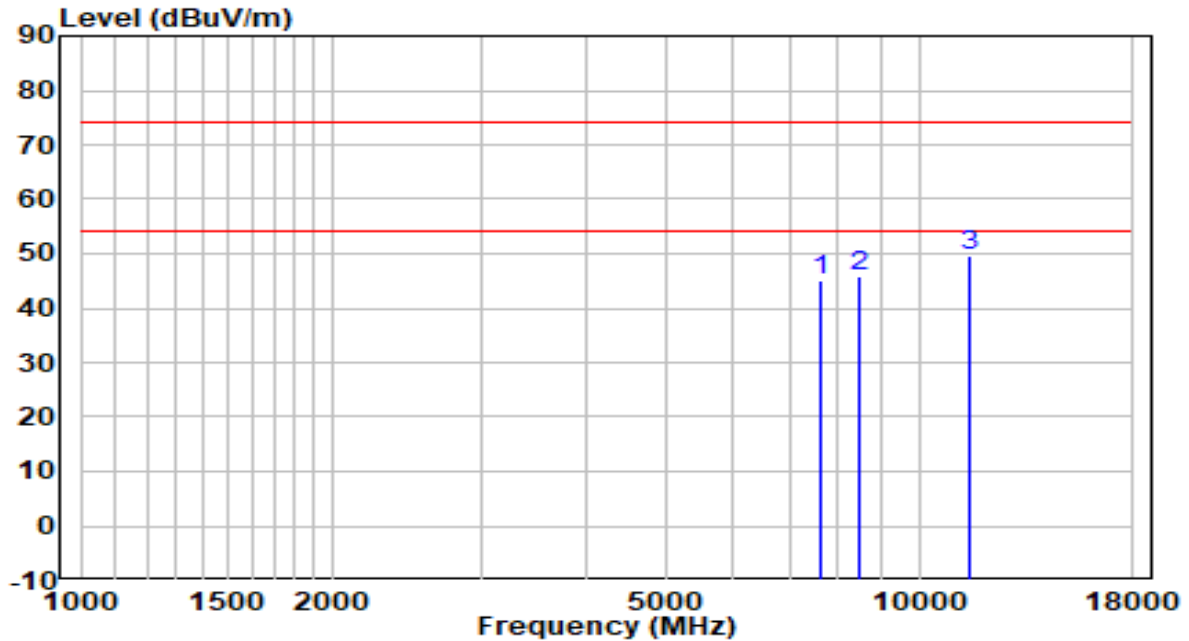


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7502.500	32.15	13.02	45.17	-28.83	74.00	Peak
2	8310.000	31.72	13.57	45.29	-28.71	74.00	Peak
3	* 12067.000	30.51	18.85	49.36	-24.64	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at 2412MHz	Test Voltage	By PC

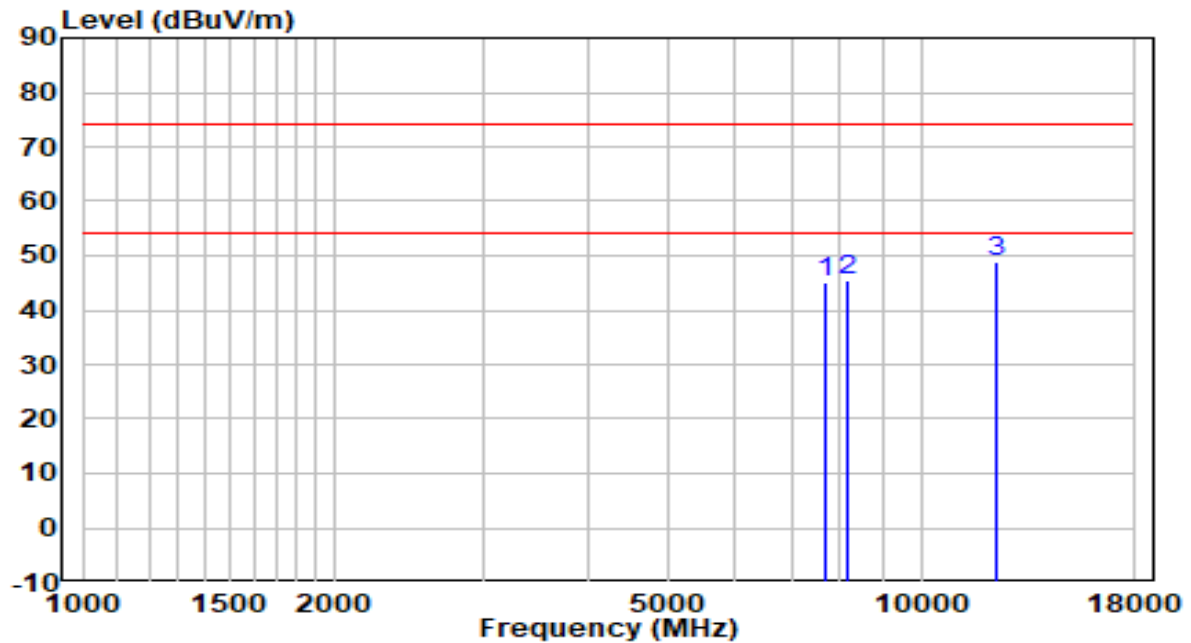


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7655.500	32.01	13.14	45.16	-28.84	74.00	Peak
2	8454.500	32.19	13.63	45.83	-28.17	74.00	Peak
3	* 11523.000	29.57	20.00	49.57	-24.43	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at 2412MHz	Test Voltage	By PC

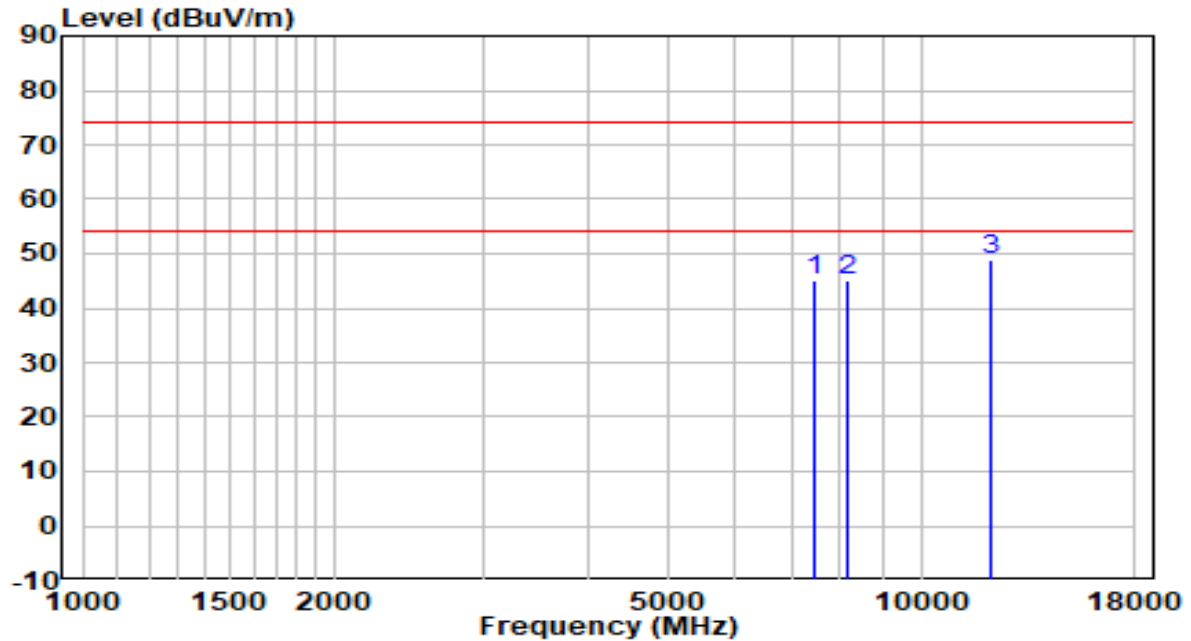


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7672.500	32.05	13.16	45.20	-28.80	74.00	Peak
2	8148.500	32.00	13.50	45.50	-28.50	74.00	Peak
3	* 12279.500	30.40	18.63	49.04	-24.96	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at 2437MHz	Test Voltage	By PC

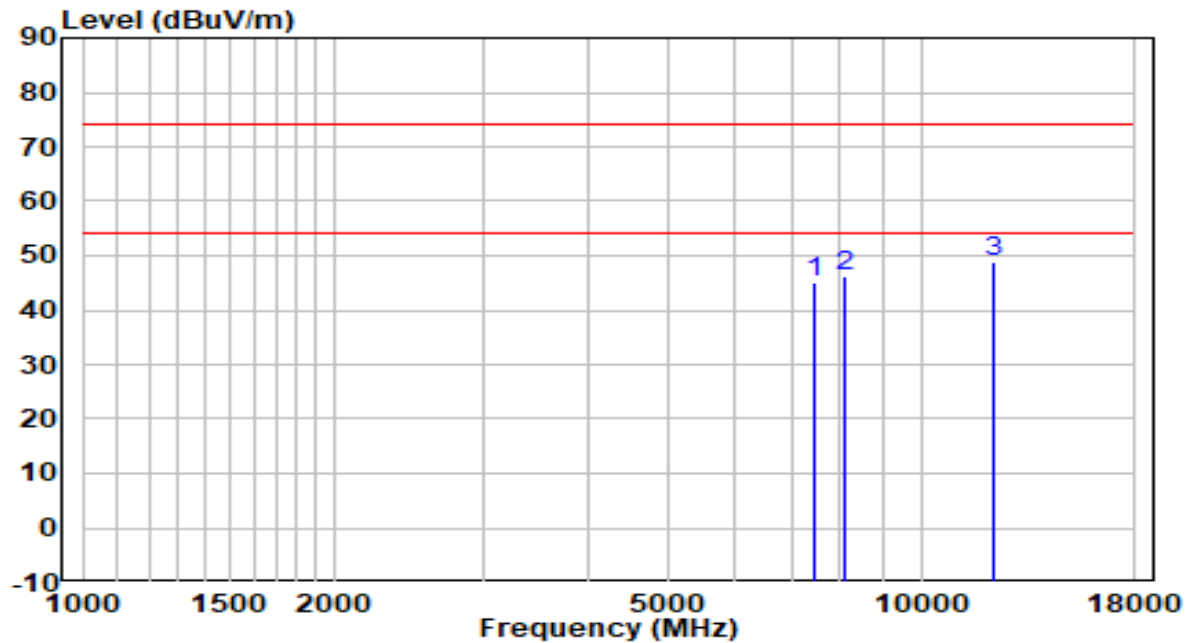


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7477.000	32.26	12.91	45.17	-28.83	74.00	Peak
2	8157.000	31.56	13.50	45.06	-28.94	74.00	Peak
3	* 12092.500	30.12	18.82	48.95	-25.05	74.00	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at 2437MHz	Test Voltage	By PC

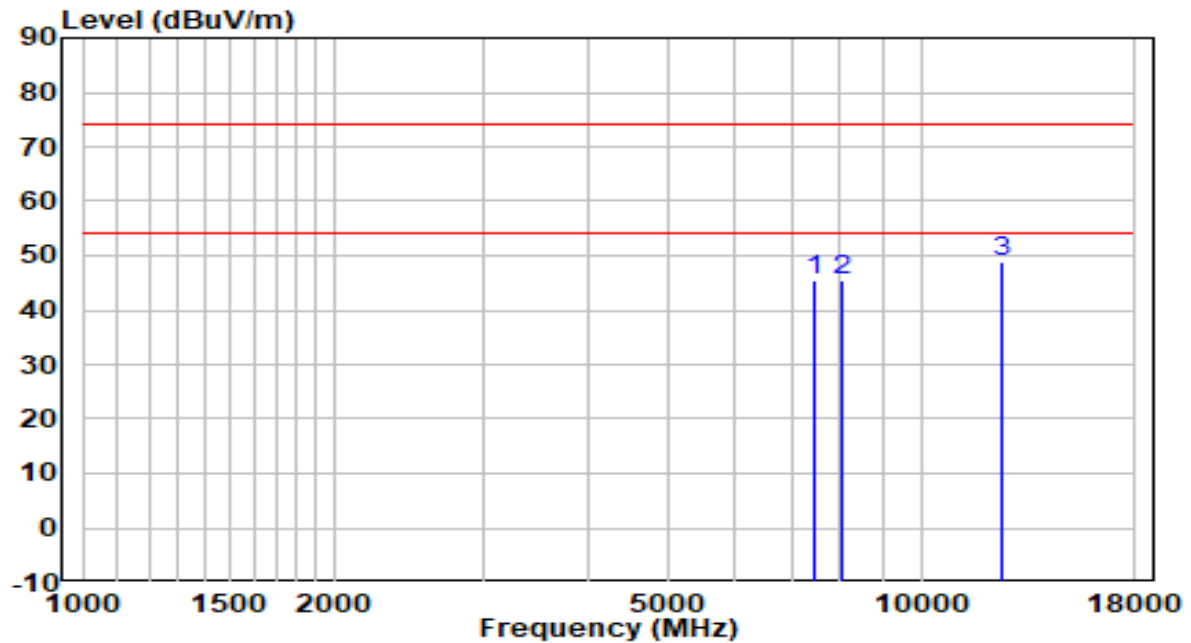


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7477.000	32.25	12.91	45.17	-28.83	74.00	Peak
2	8123.000	32.63	13.49	46.11	-27.89	74.00	Peak
3	* 12203.000	30.19	18.71	48.90	-25.10	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at 2462MHz	Test Voltage	By PC

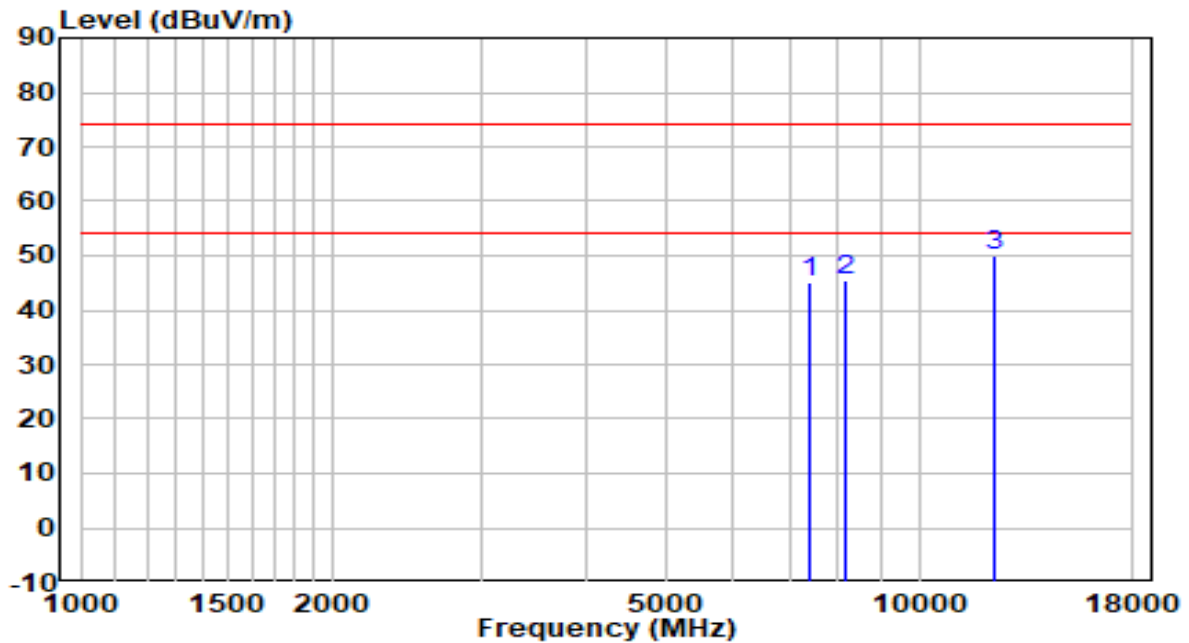


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7485.500	32.40	12.95	45.35	-28.65	74.00	Peak
2	8055.000	31.86	13.45	45.31	-28.69	74.00	Peak
3	* 12466.500	30.57	18.44	49.01	-24.99	74.00	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at 2462MHz	Test Voltage	By PC

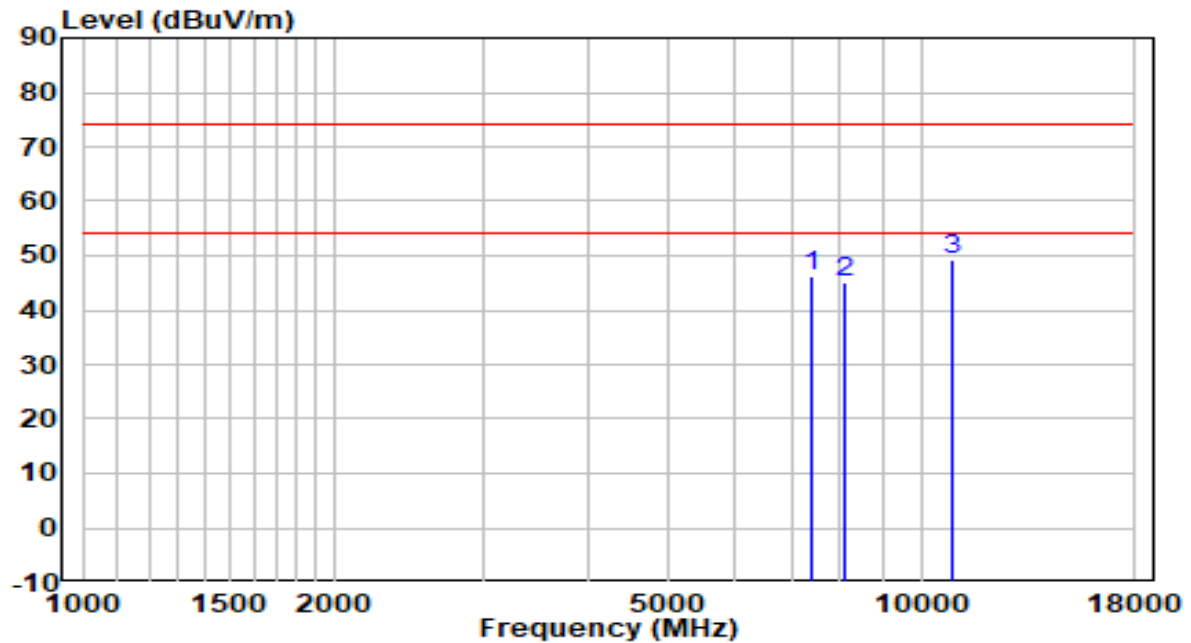


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7426.000	32.48	12.69	45.16	-28.84	74.00	Peak
2	8148.500	32.04	13.50	45.54	-28.46	74.00	Peak
3	* 12271.000	31.19	18.64	49.83	-24.17	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at 2422MHz	Test Voltage	By PC

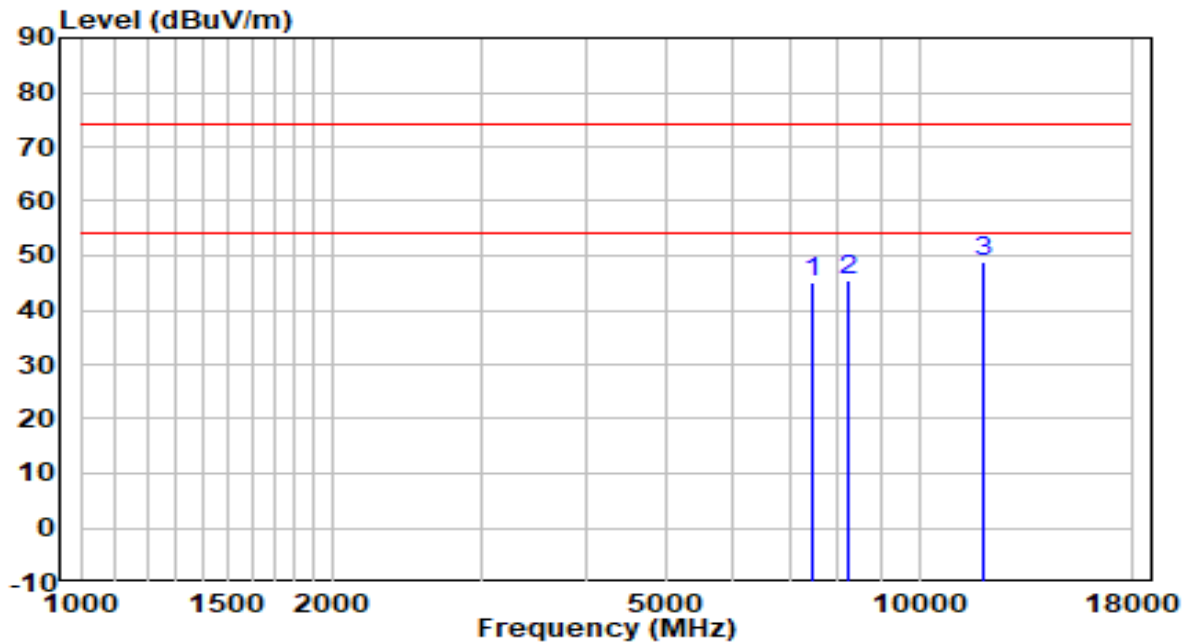


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7400.500	33.78	12.57	46.36	-27.64	74.00	Peak
2	8106.000	31.53	13.48	45.01	-28.99	74.00	Peak
3	* 10928.000	29.94	19.18	49.12	-24.88	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at 2422MHz	Test Voltage	By PC

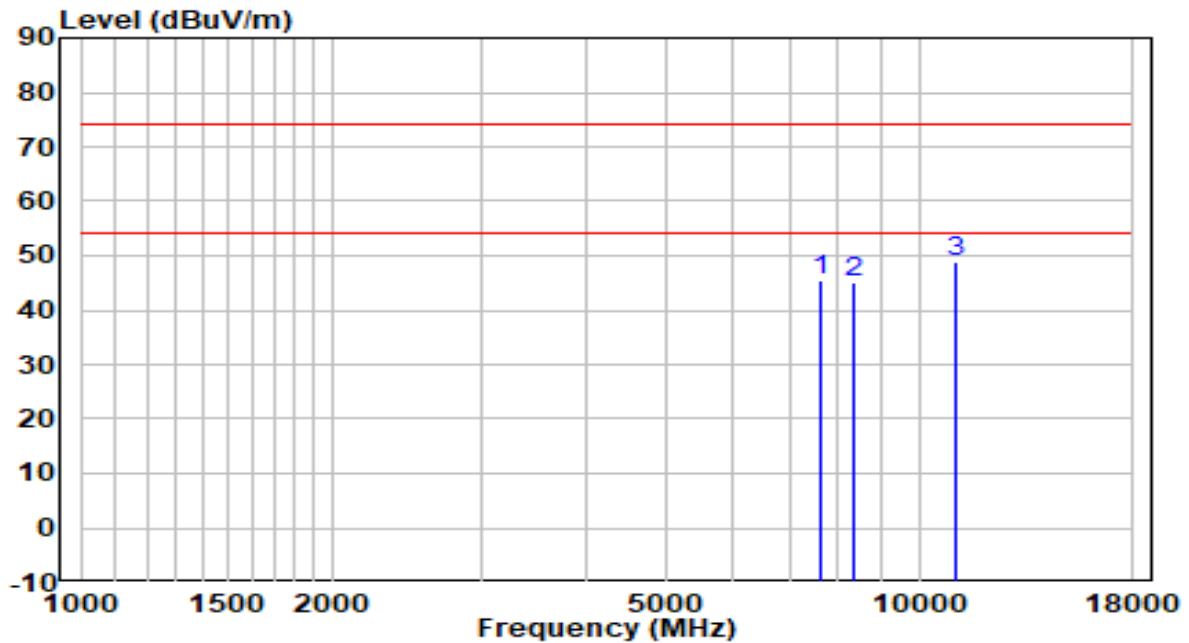


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7477.000	32.36	12.91	45.27	-28.73	74.00	Peak
2	8216.500	31.99	13.53	45.52	-28.48	74.00	Peak
3	* 11956.500	29.94	19.02	48.96	-25.04	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at 2437MHz	Test Voltage	By PC

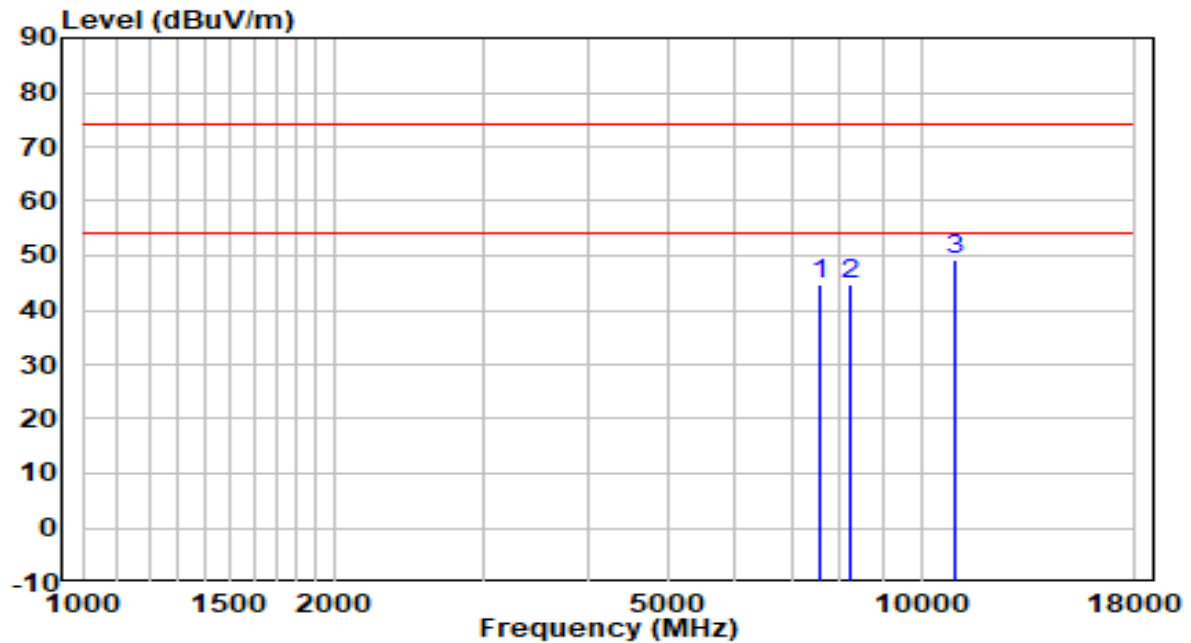


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7630.000	32.27	13.12	45.40	-28.60	74.00	Peak
2	8378.000	31.41	13.60	45.01	-28.99	74.00	Peak
3	* 11098.000	29.39	19.43	48.82	-25.18	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at 2437MHz	Test Voltage	By PC

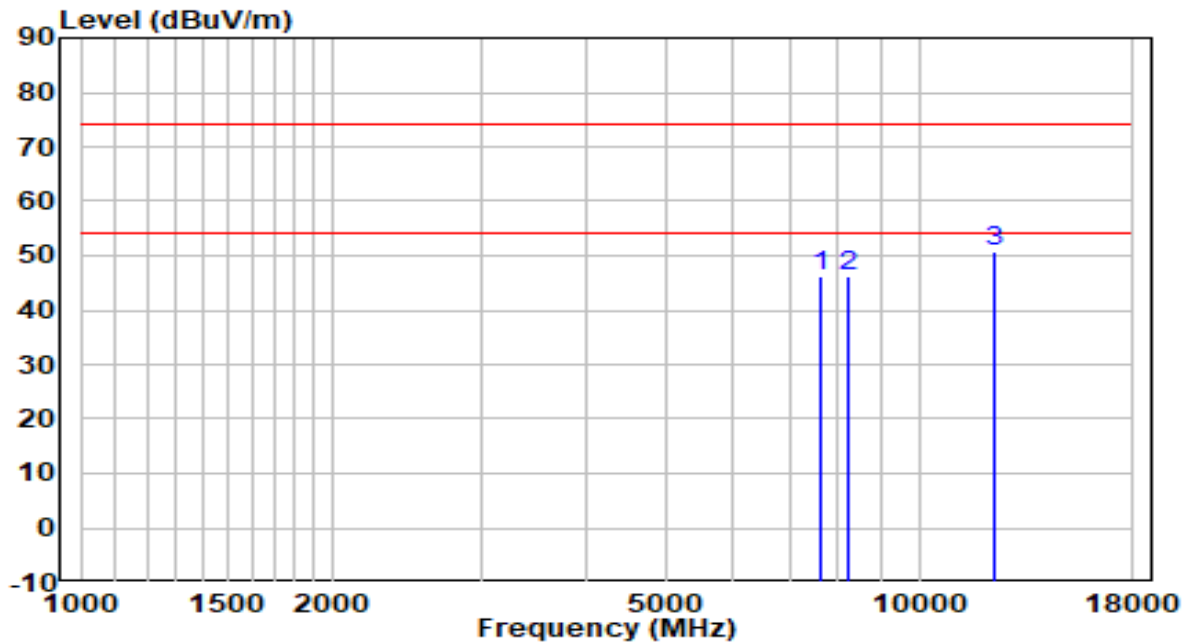


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7553.500	31.82	13.06	44.88	-29.12	74.00	Peak
2	8216.500	31.16	13.53	44.69	-29.31	74.00	Peak
3	* 10936.500	30.09	19.19	49.28	-24.72	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at 2452MHz	Test Voltage	By PC

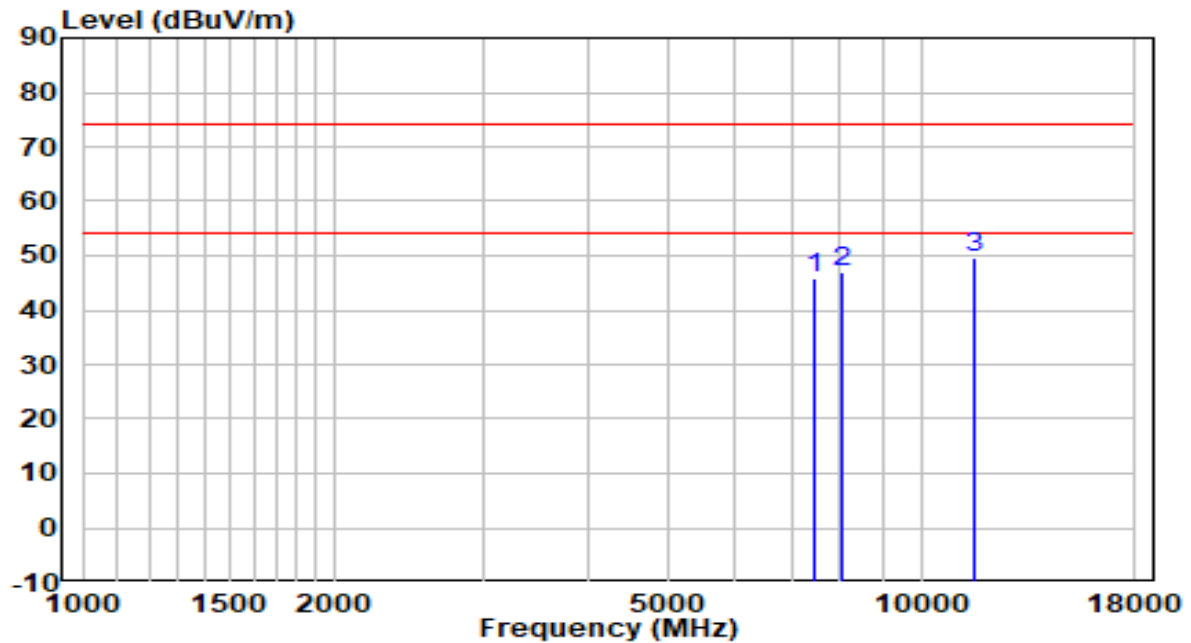


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7613.000	33.24	13.11	46.35	-27.65	74.00	Peak
2	8242.000	32.53	13.54	46.07	-27.93	74.00	Peak
3	* 12330.500	32.09	18.58	50.67	-23.33	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/48.1%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at 2452MHz	Test Voltage	By PC



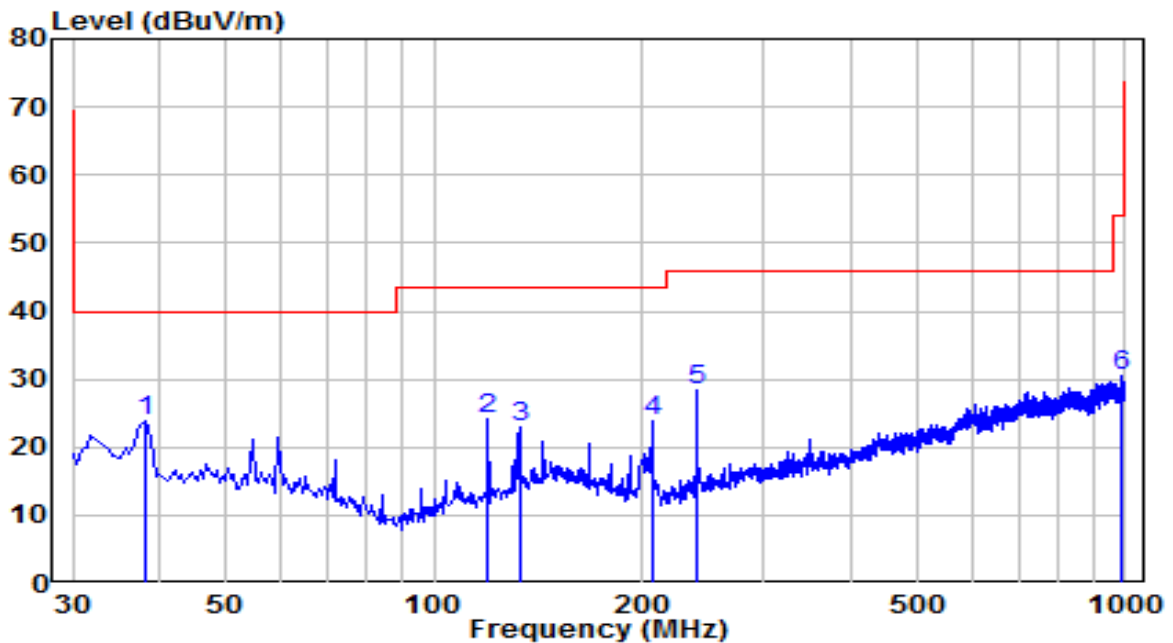
No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	7477.000	32.98	12.91	45.89	-28.11	74.00	Peak
2	8046.500	33.36	13.45	46.81	-27.19	74.00	Peak
3	* 11582.500	29.88	19.86	49.74	-24.26	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Pre-amplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

The Worst Case Result of Radiated Emission below 1GHz:

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	VULB 9162 (30MHz~8GHz) + 6dB Attenuator_2020	Temp. / Humidity	22.5°C/48.8%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC



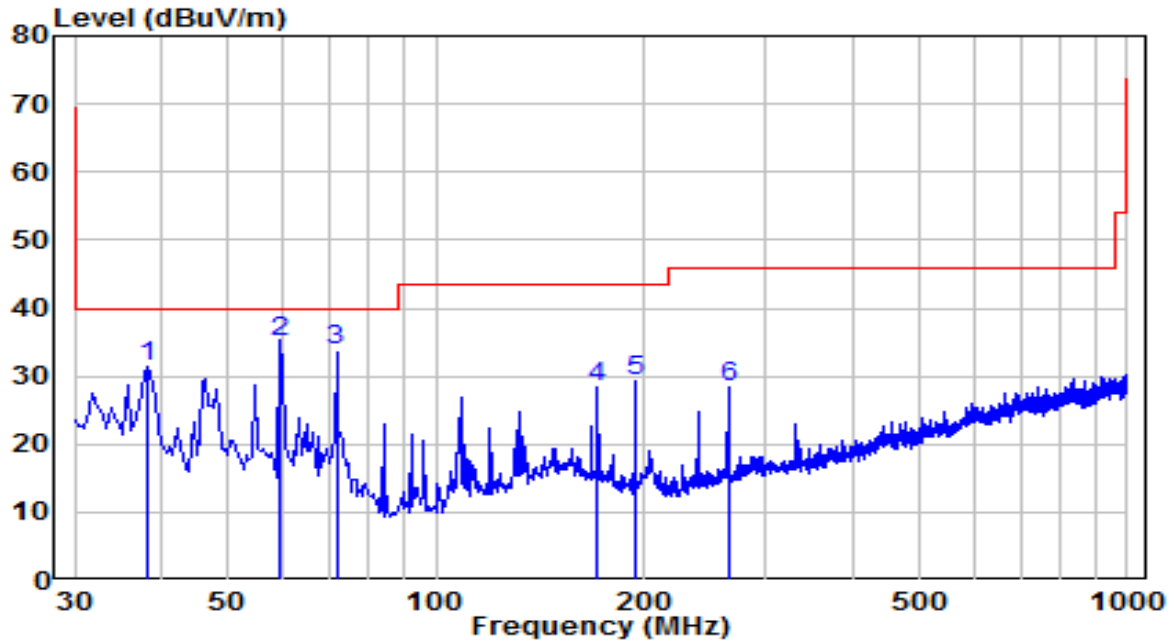
No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	*	3.48	20.45	23.93	-16.07	40.00	Peak
2		6.80	17.28	24.08	-19.42	43.50	Peak
3		6.62	16.20	22.82	-20.68	43.50	Peak
4		4.92	18.95	23.87	-19.63	43.50	Peak
5		8.23	20.20	28.43	-17.57	46.00	Peak
6		-2.40	32.82	30.42	-23.58	54.00	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(dBμV/m) = Reading(dBμV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. 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	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	VULB 9162 (30MHz~8GHz) + 6dB Attenuator_2020	Temp. / Humidity	22.5°C/48.8%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC



No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	38.245	10.98	20.45	31.43	-8.57	40.00	Peak
2	* 59.585	14.63	20.29	34.92	-5.08	40.00	QP
3	71.710	17.25	16.52	33.77	-6.23	40.00	QP
4	171.620	11.62	16.77	28.39	-15.11	43.50	Peak
5	193.930	10.28	19.05	29.32	-14.18	43.50	Peak
6	264.740	7.76	20.63	28.40	-17.60	46.00	Peak

Note:

- " *", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- 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 [uV/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 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

7.7.3. Test Setting

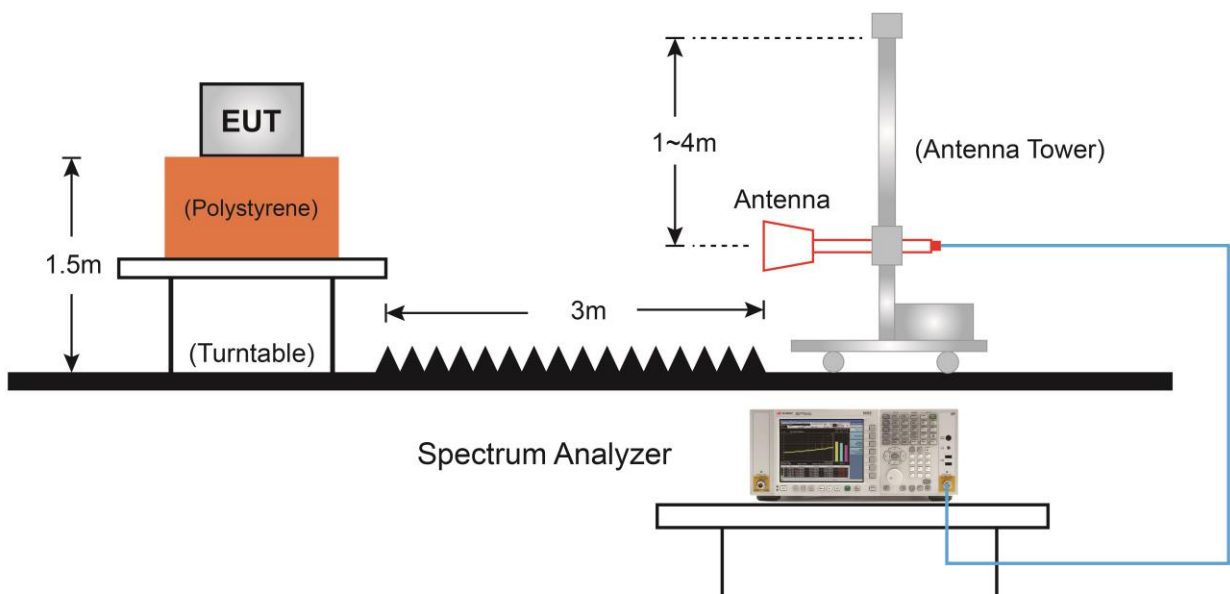
Peak Field Strength Measurements

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)

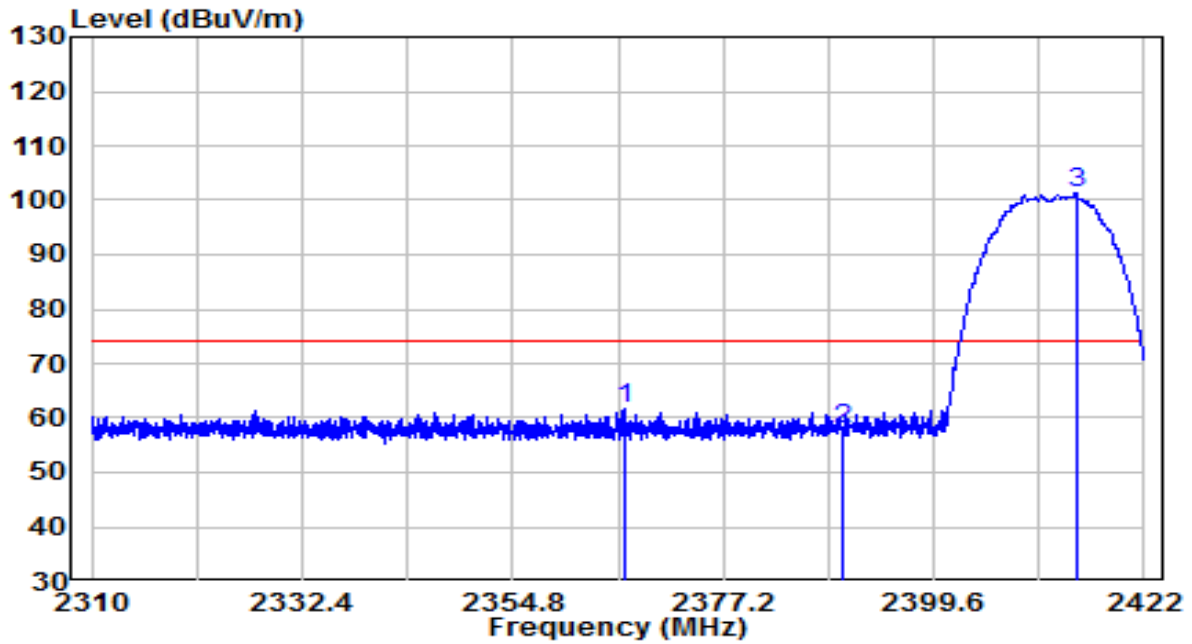
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

7.7.4. Test Setup



7.7.5. Test Result

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/46.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC

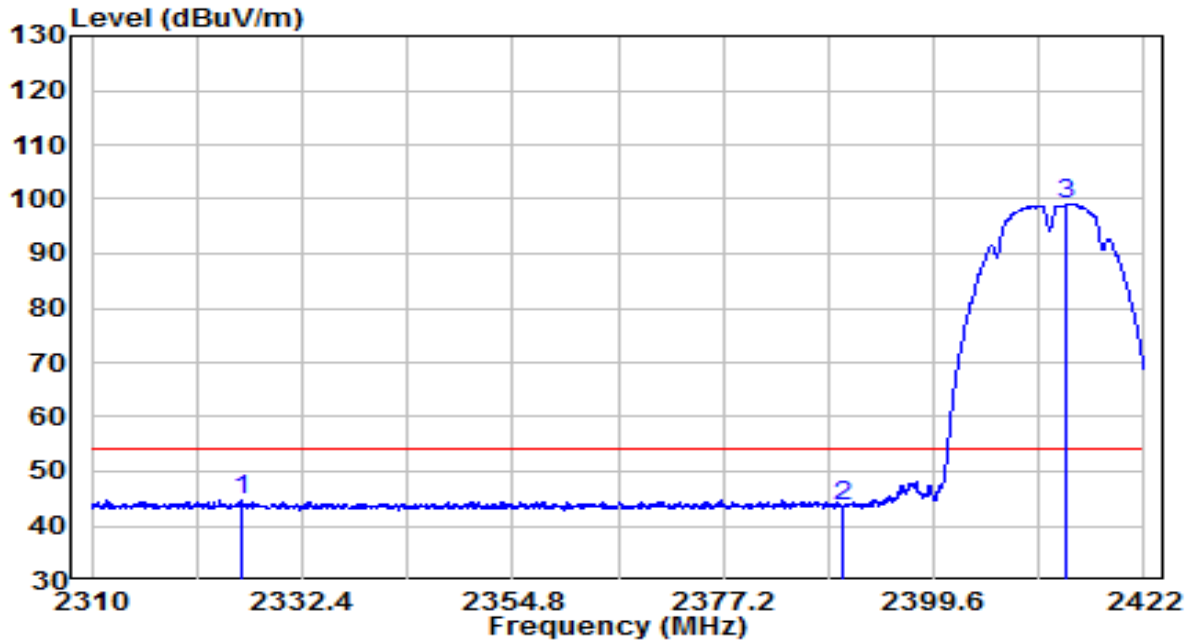


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2366.616	29.39	32.12	61.51	-12.49	74.00	Peak
2	2390.000	25.75	32.22	57.96	-16.04	74.00	Peak
3	* 2414.720	68.96	32.32	101.28	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/46.2%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC

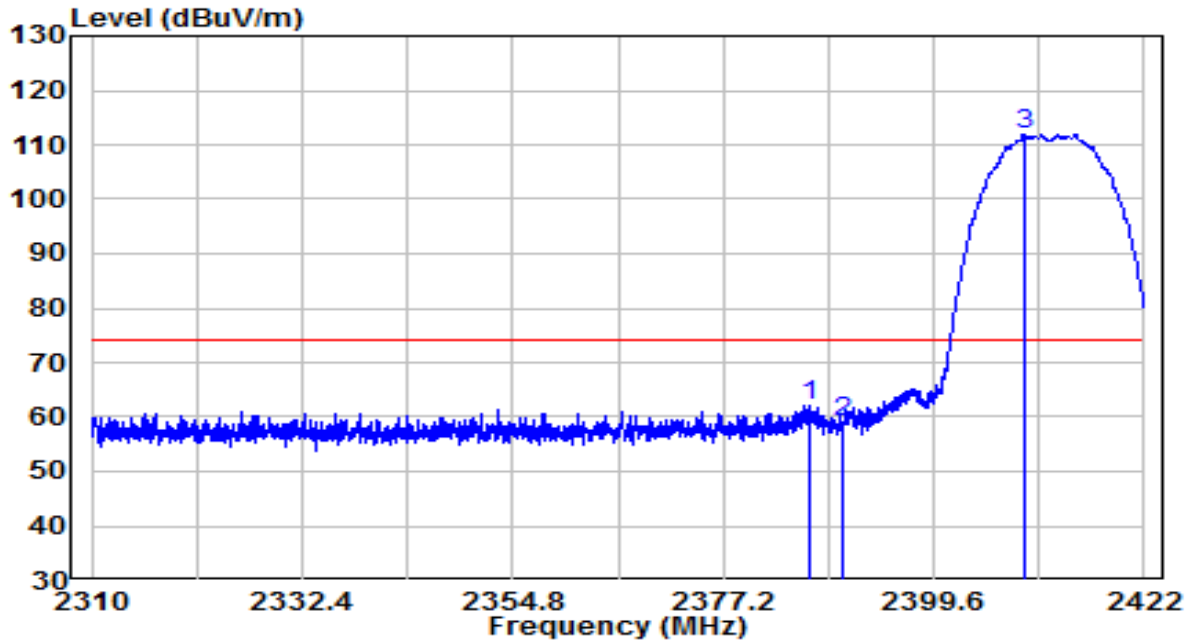


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2325.848	12.71	31.95	44.66	-9.34	54.00	Average
2	2390.000	11.43	32.22	43.64	-10.36	54.00	Average
3	* 2413.824	66.80	32.32	99.11	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/46.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC

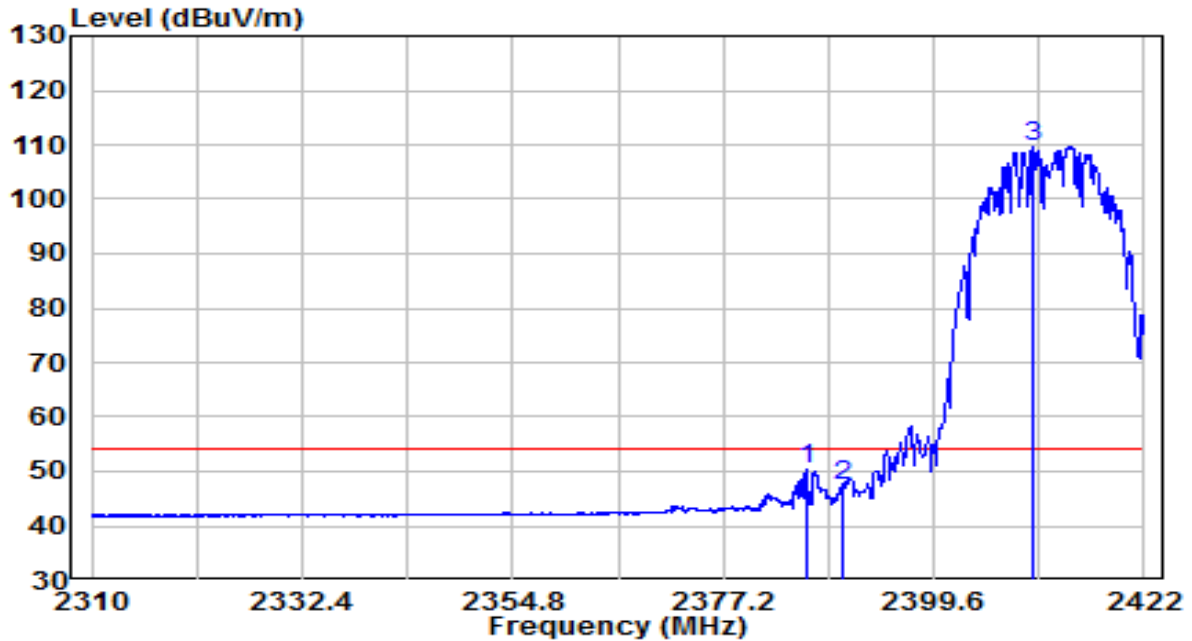


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2386.384	29.96	32.20	62.17	-11.83	74.00	Peak
2	2390.000	26.93	32.22	59.14	-14.86	74.00	Peak
3	* 2409.232	79.65	32.30	111.95	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	24.7°C/46.2%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at 2412MHz	Test Voltage	By PC

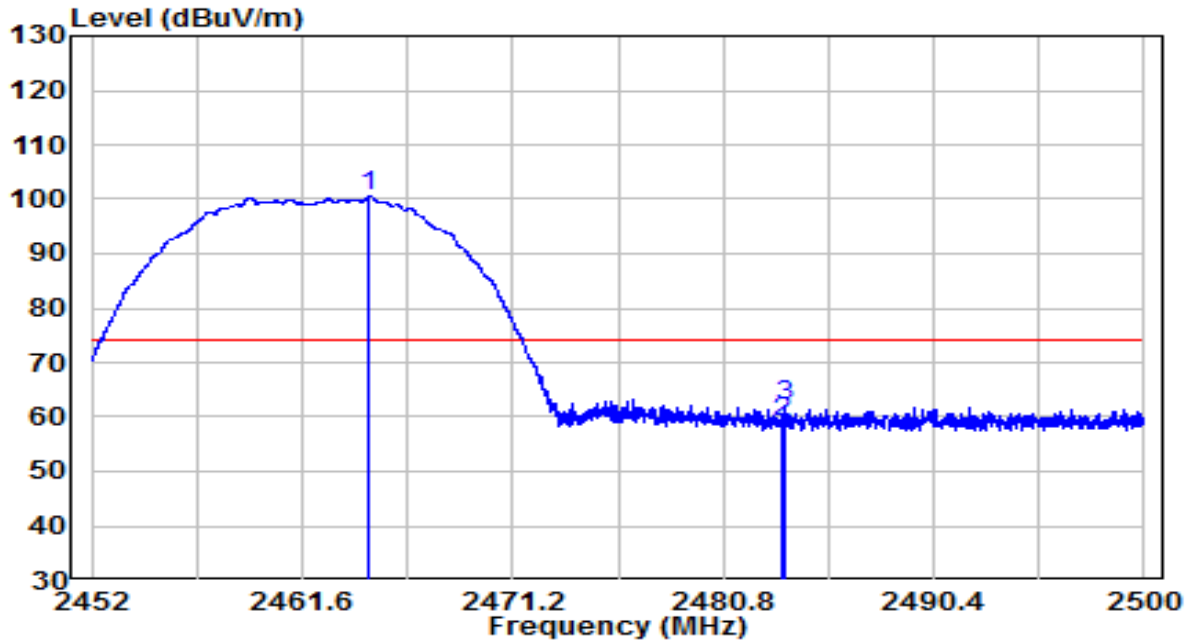


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2386.048	18.28	32.20	50.48	-3.52	54.00	Average
2	2390.000	15.02	32.22	47.24	-6.76	54.00	Average
3	* 2410.240	77.37	32.30	109.68	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	By PC

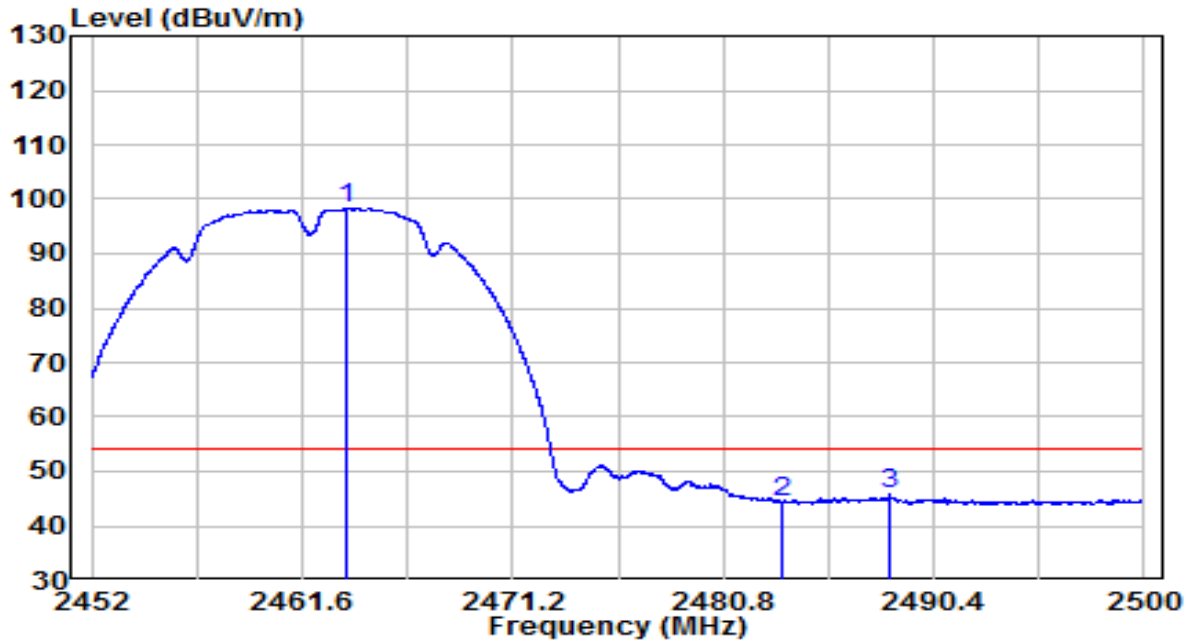


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)	
1	*	2464.672	68.02	32.53	100.55	N/A	N/A	Peak
2		2483.500	26.40	32.61	59.01	-14.99	74.00	Peak
3		2483.632	29.35	32.61	61.96	-12.04	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	By PC

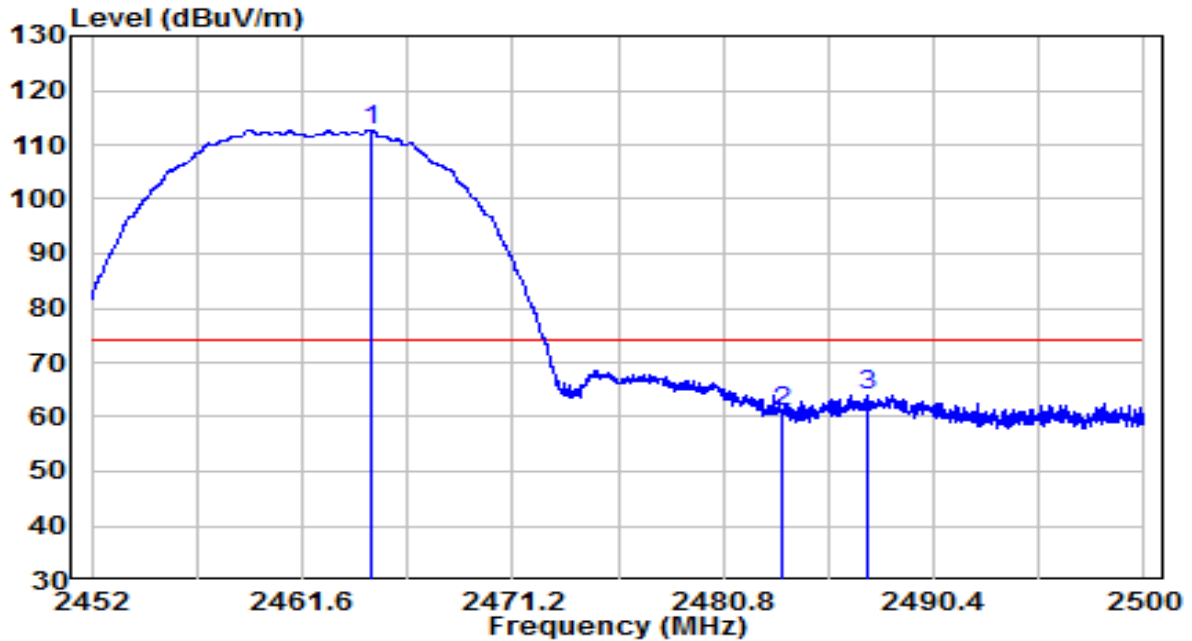


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)	
1	*	2463.664	65.73	32.53	98.26	N/A	N/A	Average
2		2483.500	11.73	32.61	44.34	-9.66	54.00	Average
3		2488.384	13.04	32.63	45.68	-8.32	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	By PC

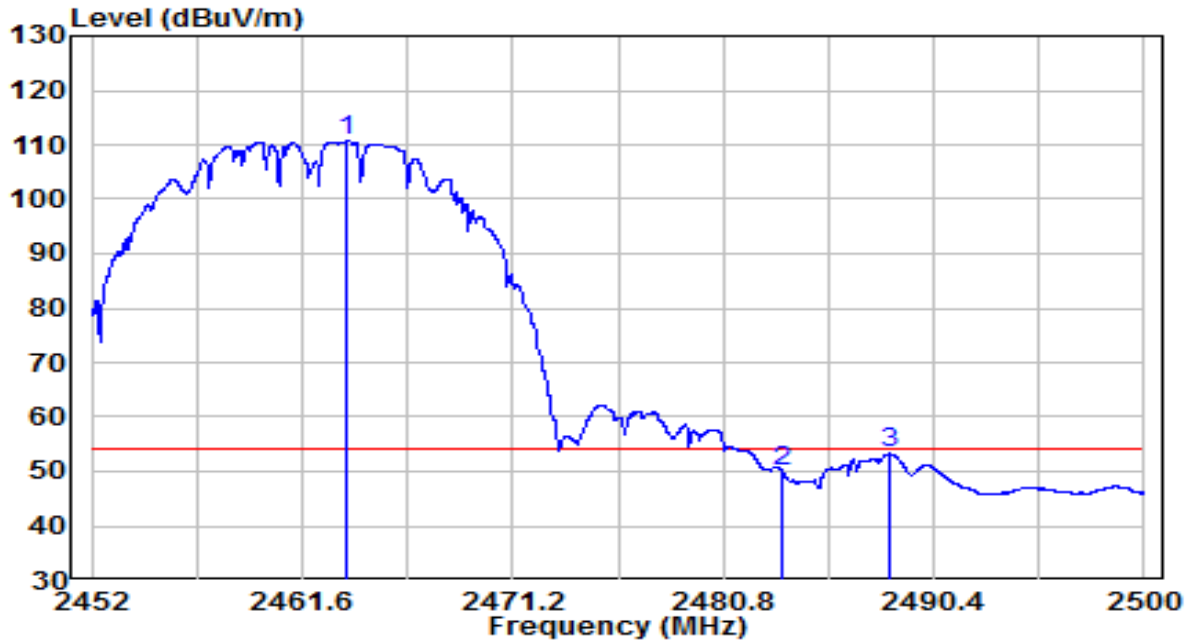


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	80.23	32.53	112.76	N/A	N/A	Peak
2		28.28	32.61	60.89	-13.11	74.00	Peak
3		31.31	32.63	63.93	-10.07	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	By PC

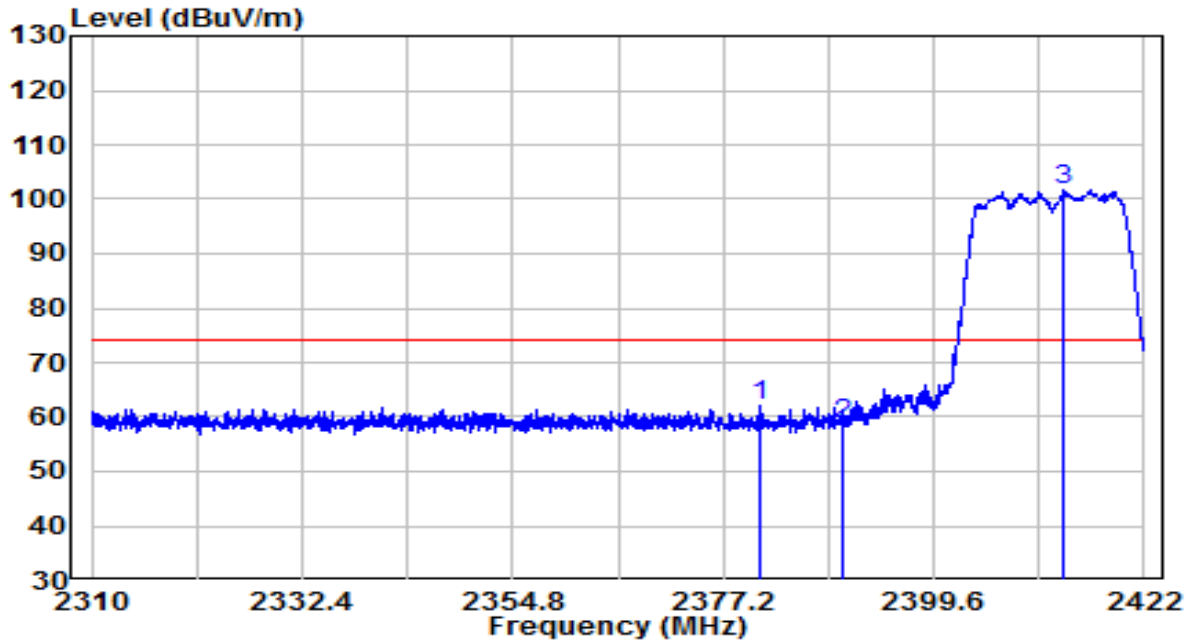


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	78.10	32.53	110.63	N/A	N/A	Average
2		17.46	32.61	50.07	-3.93	54.00	Average
3		20.61	32.63	53.24	-0.76	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	By PC

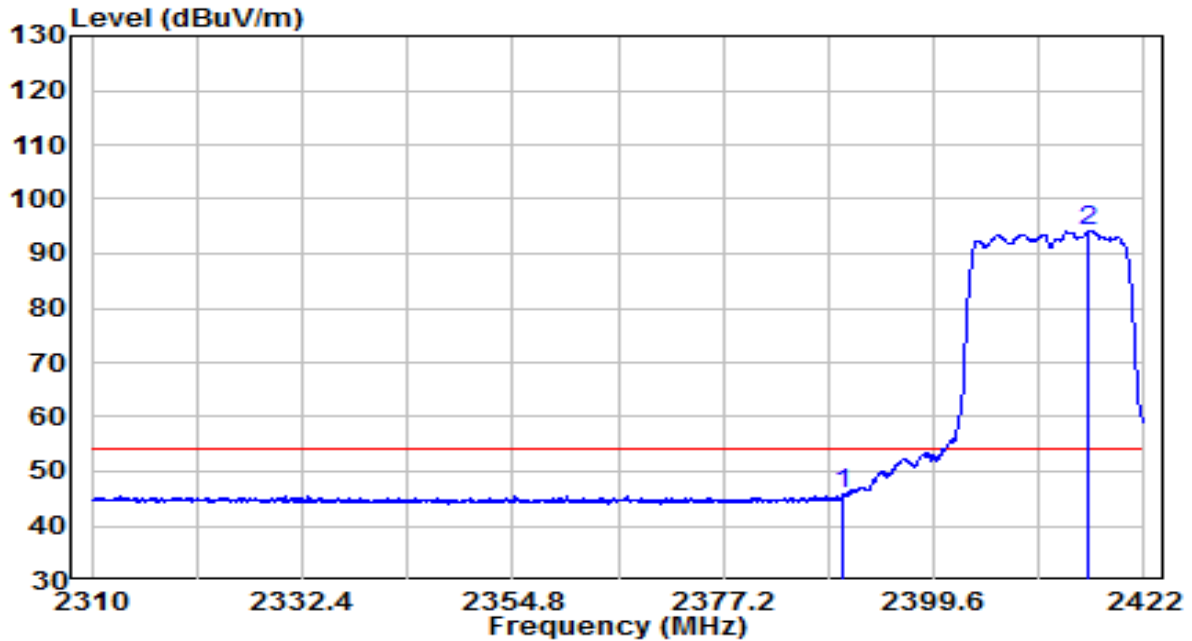


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	2381.064	29.98	32.18	62.16	-11.84	74.00	Peak
2	2390.000	26.40	32.22	58.62	-15.38	74.00	Peak
3	* 2413.376	69.42	32.32	101.73	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	By PC

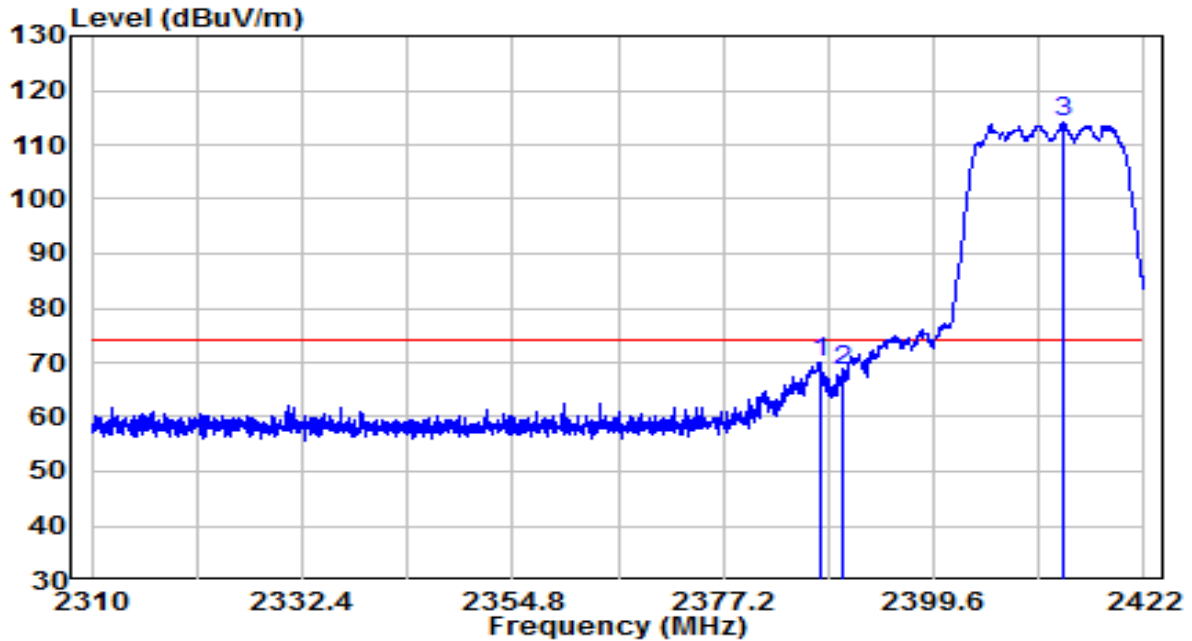


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2390.000	13.61	32.22	45.83	-8.17	54.00	Average
2	* 2416.120	61.80	32.33	94.13	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	By PC

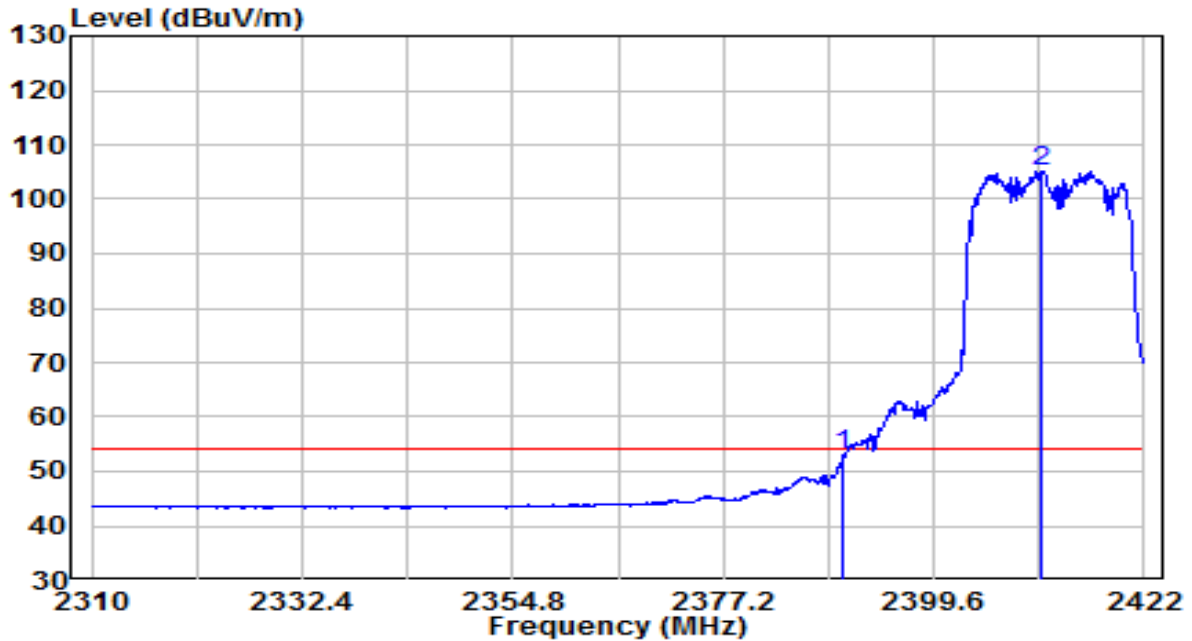


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	2387.504	37.91	32.21	70.12	-3.88	74.00	Peak
2	2390.000	36.23	32.22	68.44	-5.56	74.00	Peak
3	* 2413.320	81.94	32.32	114.25	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	By PC

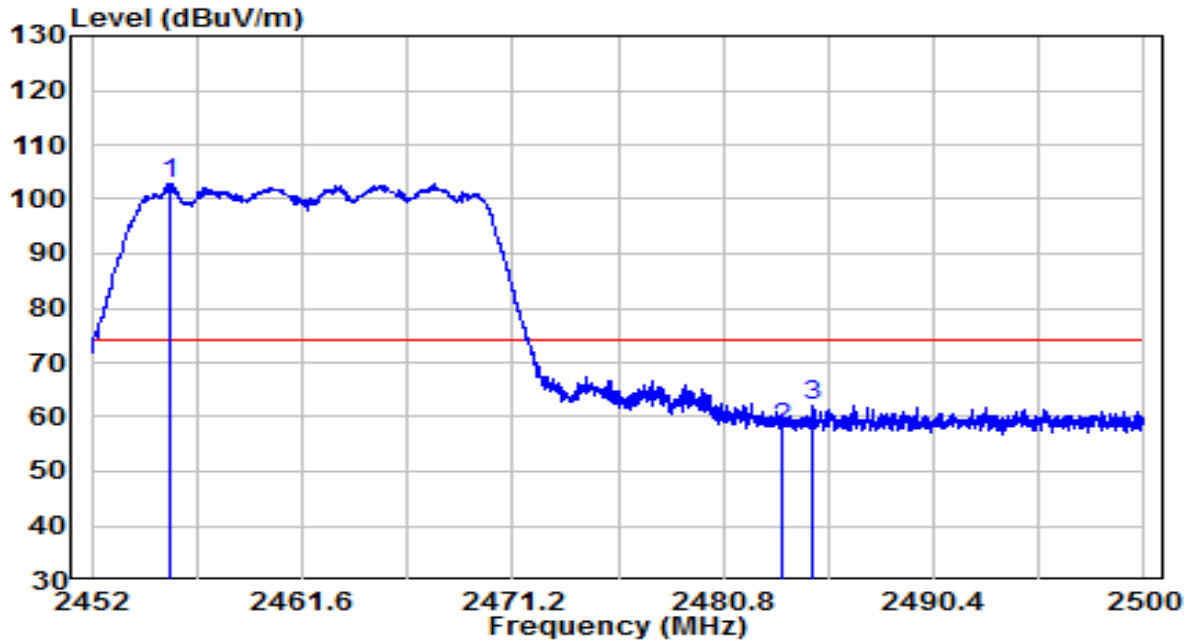


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	2390.000	20.63	32.22	52.85	-1.15	54.00	Average
2	* 2411.136	72.71	32.31	105.02	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	By PC

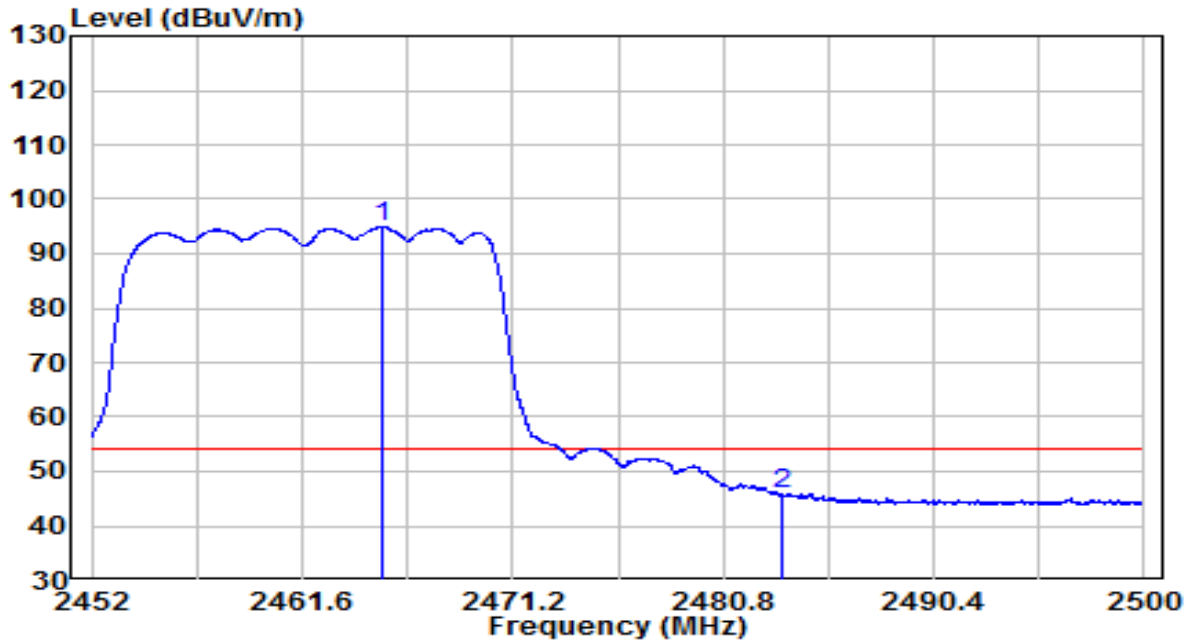


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	70.49	32.49	102.98	N/A	N/A	Peak
2		25.24	32.61	57.85	-16.15	74.00	Peak
3		29.64	32.62	62.26	-11.74	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	By PC

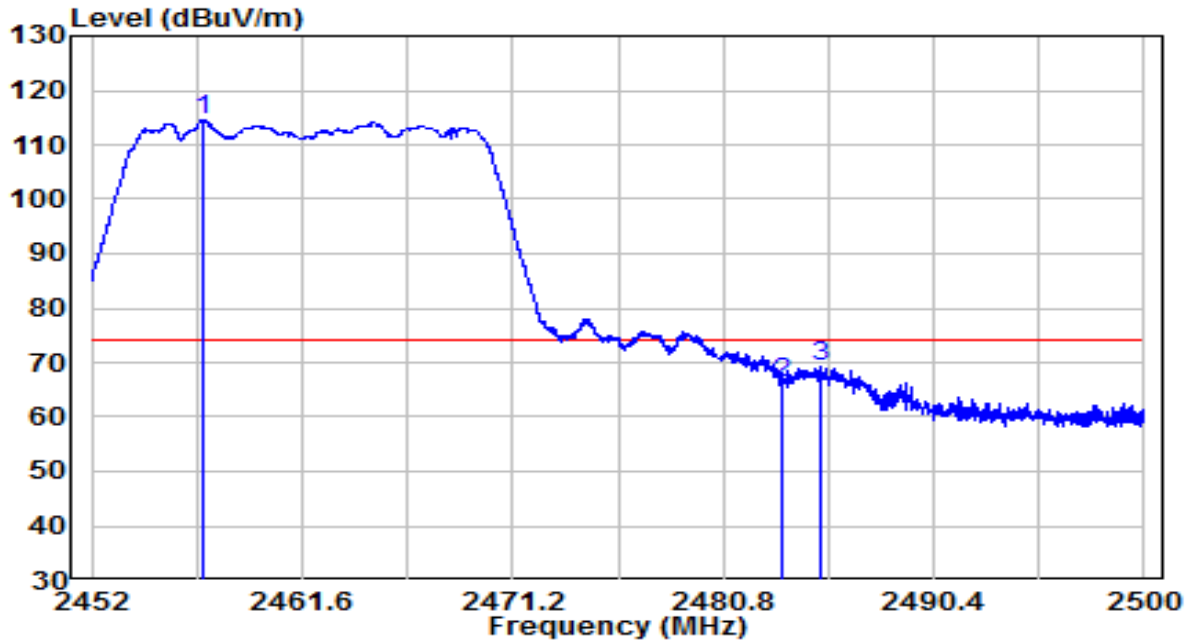


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)	
1	*	2465.224	62.32	32.53	94.86	N/A	N/A	Average
2		2483.500	13.13	32.61	45.74	-8.26	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	By PC

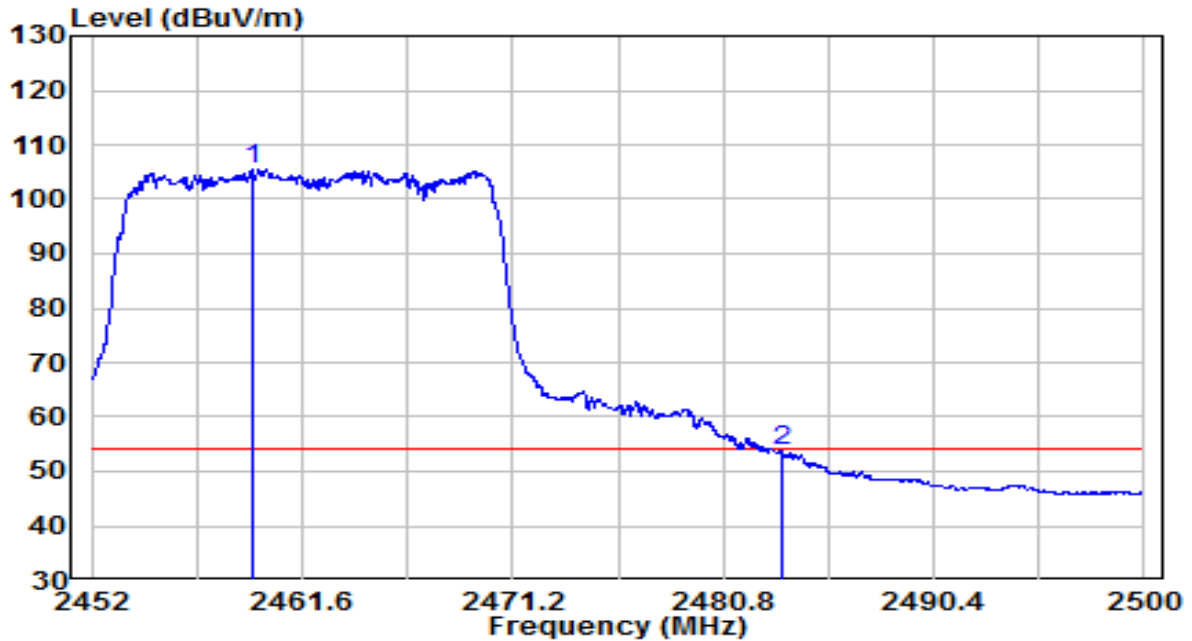


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	81.92	32.50	114.42	N/A	N/A	Peak
2		33.74	32.61	66.35	-7.65	74.00	Peak
3		36.58	32.62	69.20	-4.80	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	By PC

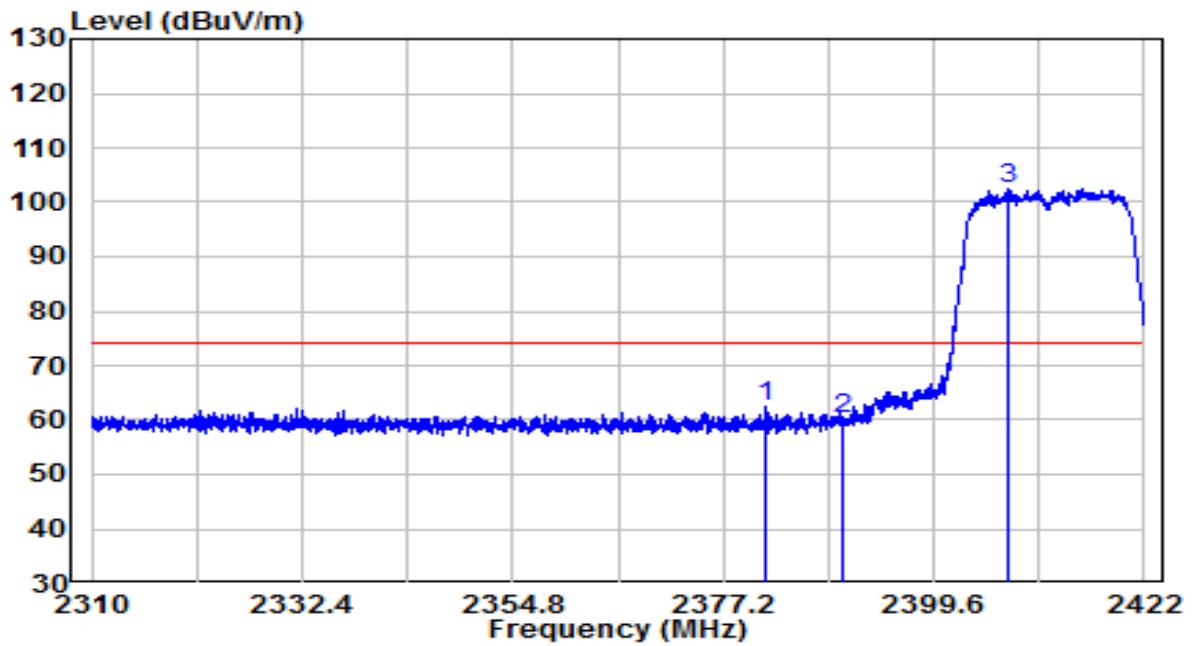


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	72.92	32.51	105.43	N/A	N/A	Average
2		21.08	32.61	53.69	-0.31	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	By PC

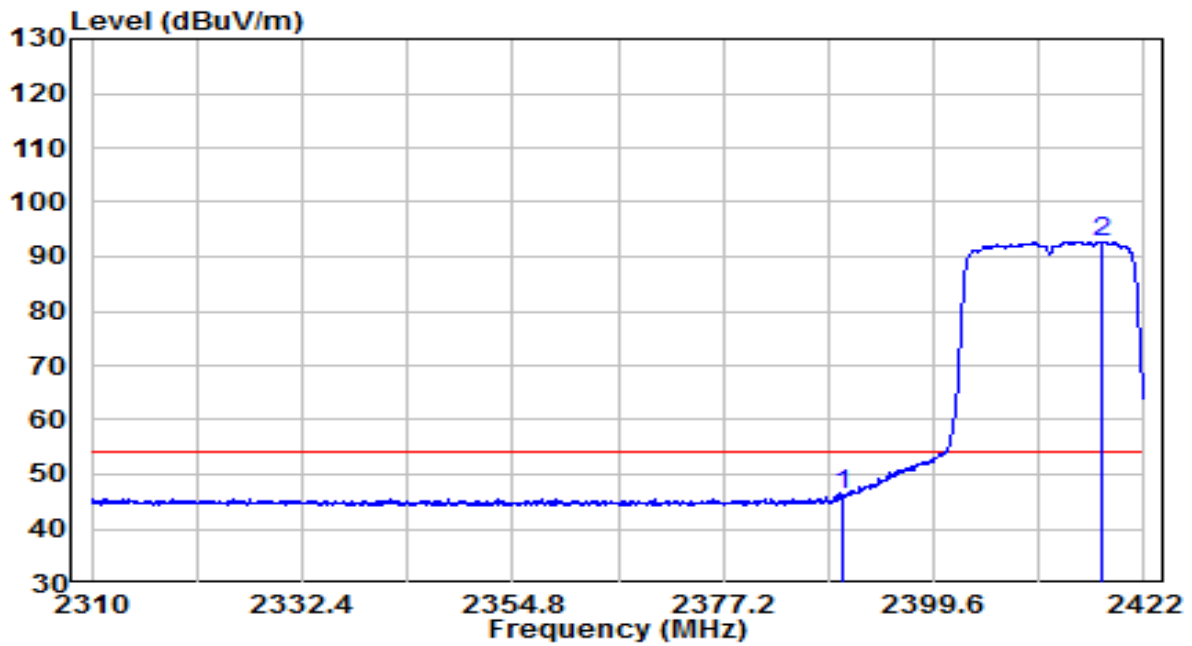


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2381.680	30.11	32.18	62.30	-11.70	74.00	Peak
2	2390.000	27.91	32.22	60.13	-13.87	74.00	Peak
3	* 2407.608	70.25	32.29	102.54	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	By PC

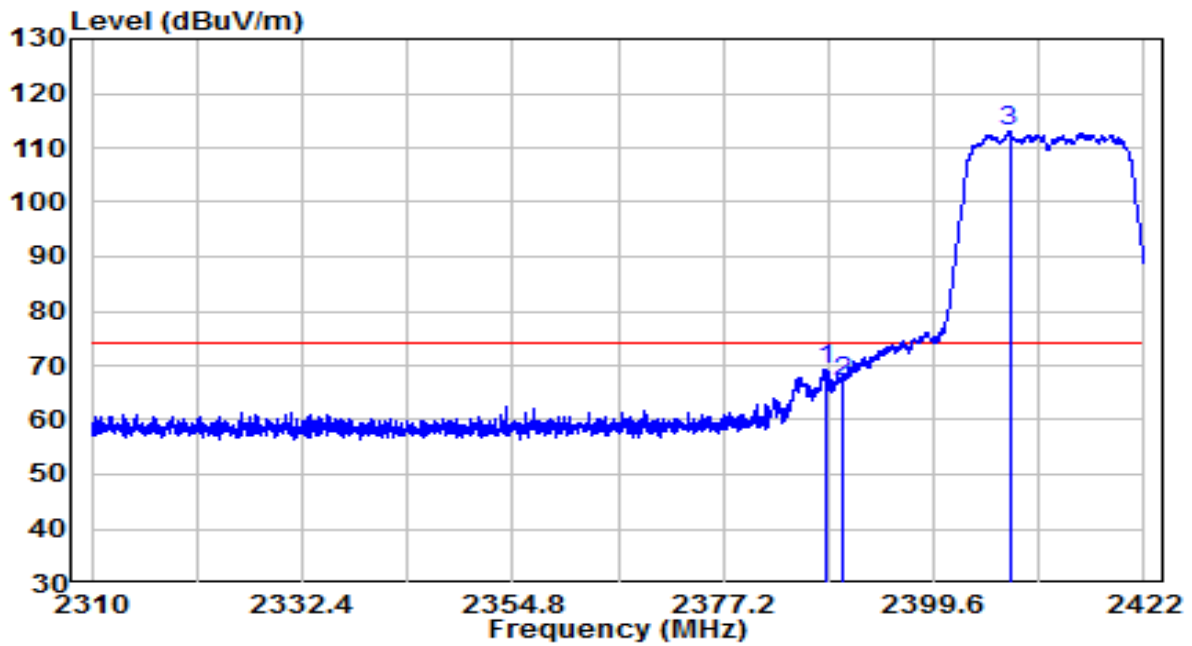


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2390.000	13.83	32.22	46.05	-7.95	54.00	Average
2	* 2417.520	60.30	32.33	92.63	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	By PC

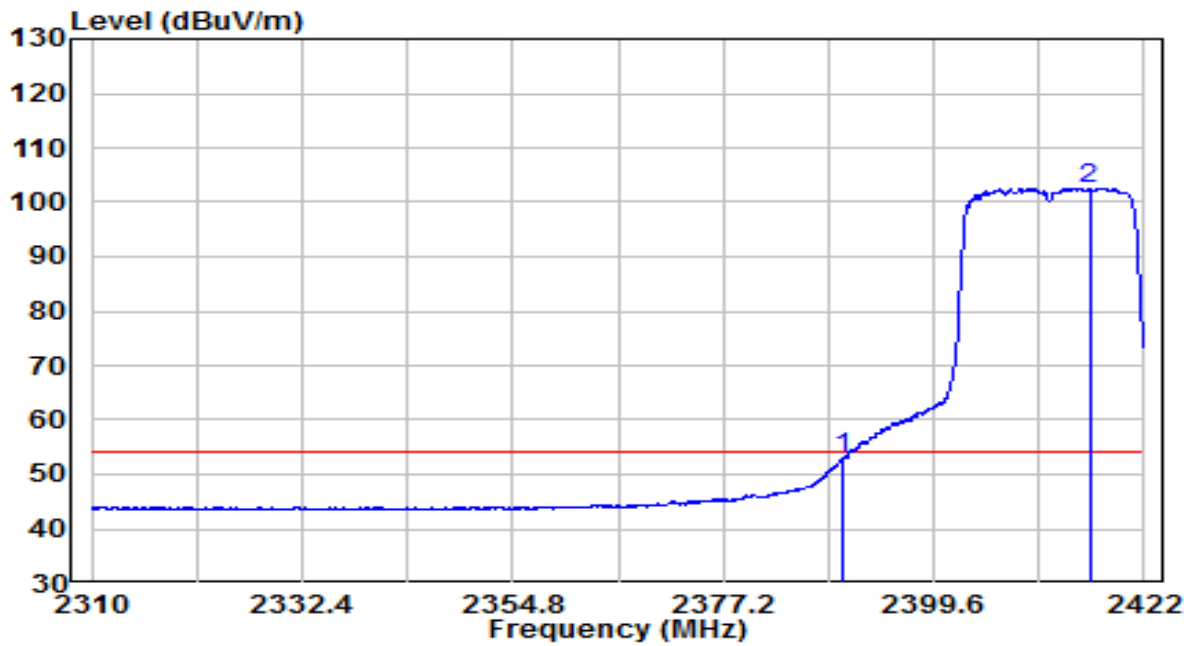


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2388.120	37.14	32.21	69.35	-4.65	74.00	Peak
2	2390.000	34.83	32.22	67.05	-6.95	74.00	Peak
3	* 2407.664	80.71	32.29	113.00	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	By PC

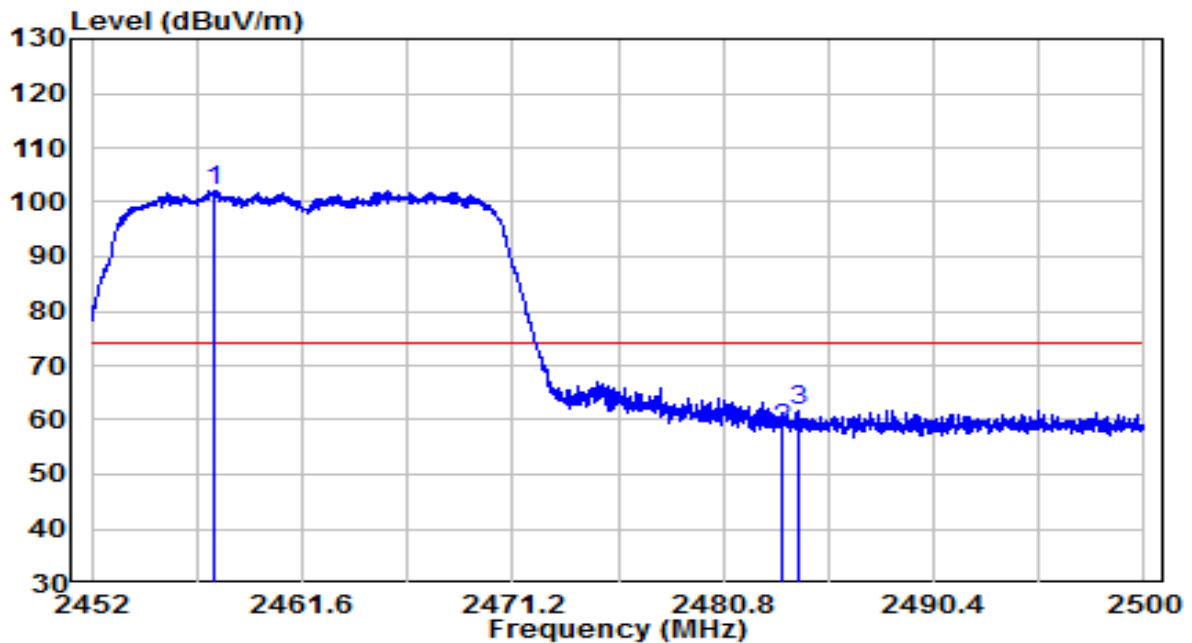


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2390.000	20.71	32.22	52.93	-1.07	54.00	Average
2	* 2416.176	70.18	32.33	102.51	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	By PC

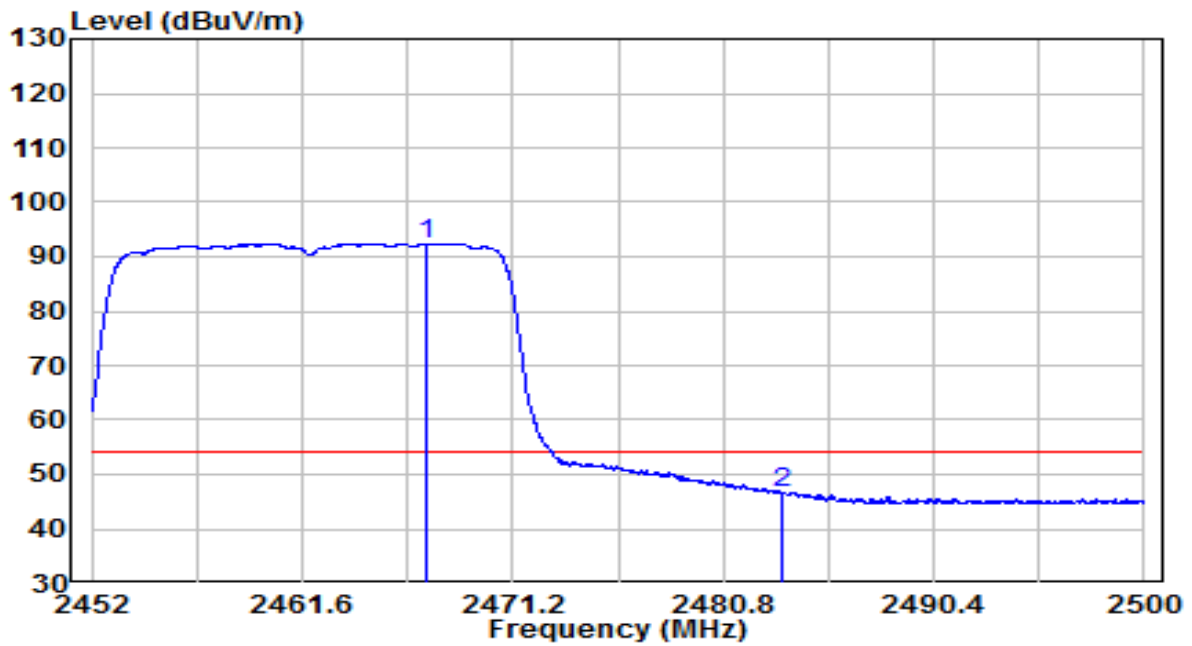


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	69.60	32.50	102.10	N/A	N/A	Peak
2		25.78	32.61	58.39	-15.61	74.00	Peak
3		29.23	32.61	61.84	-12.16	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	By PC

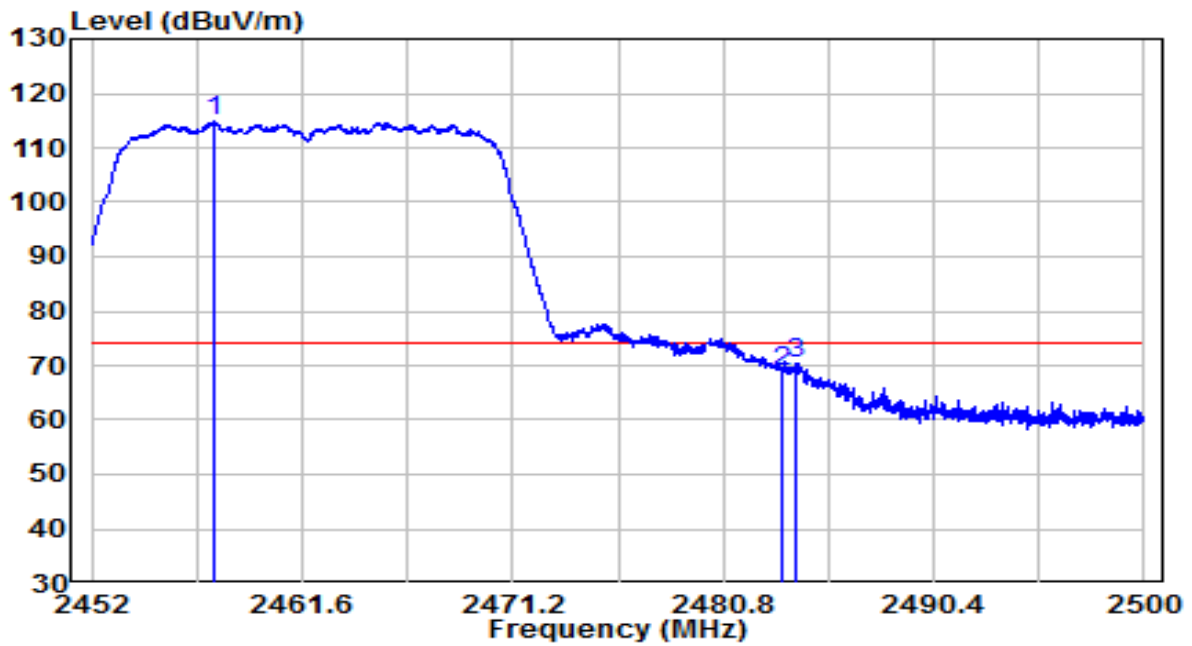


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	59.88	32.54	92.42	N/A	N/A	Average
2		13.82	32.61	46.43	-7.57	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	By PC

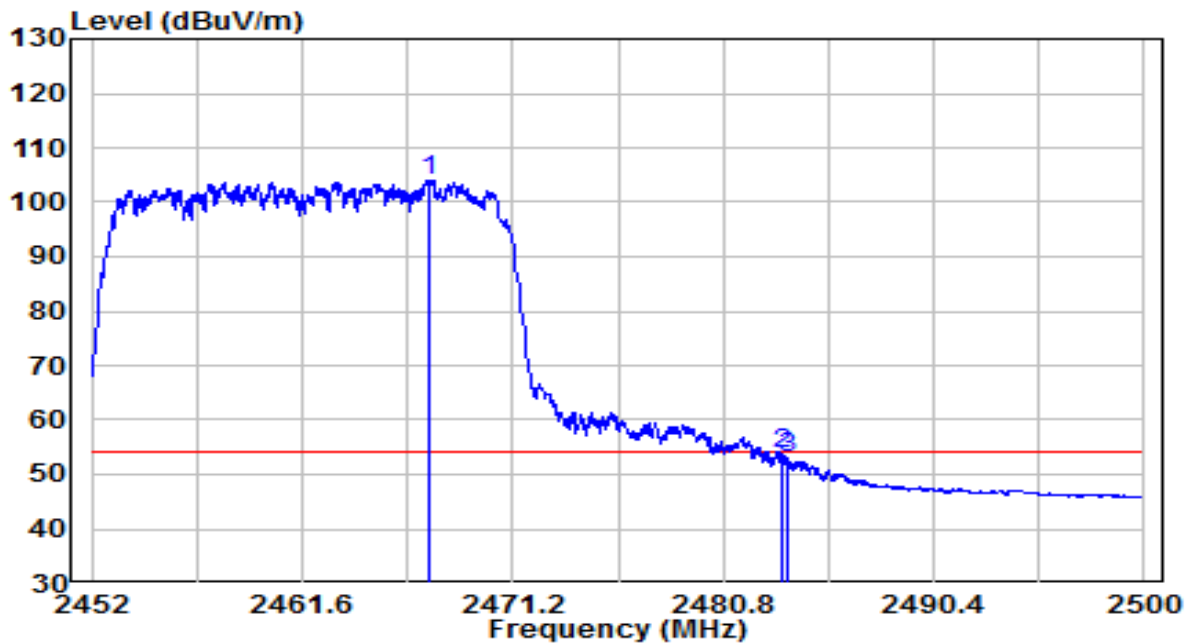


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	* 2457.592	82.43	32.50	114.94	N/A	N/A	Peak
2	2483.500	36.15	32.61	68.76	-5.24	74.00	Peak
3	2484.160	37.77	32.61	70.38	-3.62	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	By PC

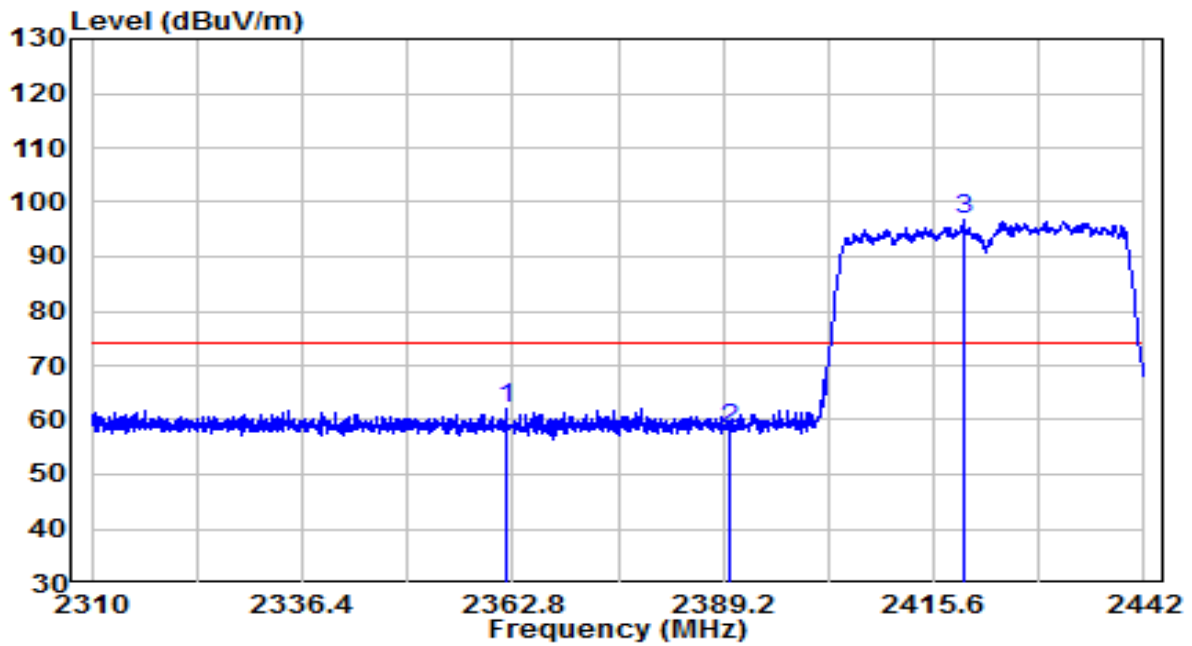


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)	
1	*	2467.336	71.33	32.54	103.87	N/A	N/A	Average
2		2483.488	21.19	32.61	53.80	-0.20	54.00	Average
3		2483.704	20.36	32.61	52.97	-1.03	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	By PC

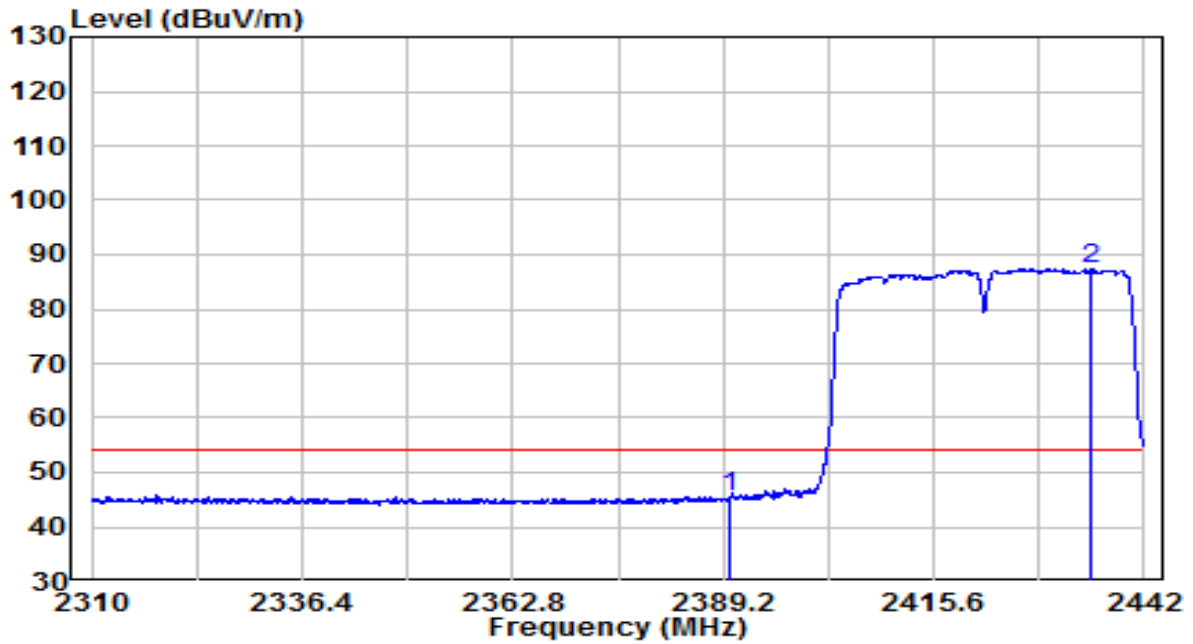


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2362.074	30.08	32.10	62.18	-11.82	74.00	Peak
2	2390.000	25.97	32.22	58.18	-15.82	74.00	Peak
3	* 2419.296	64.44	32.34	96.78	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	By PC

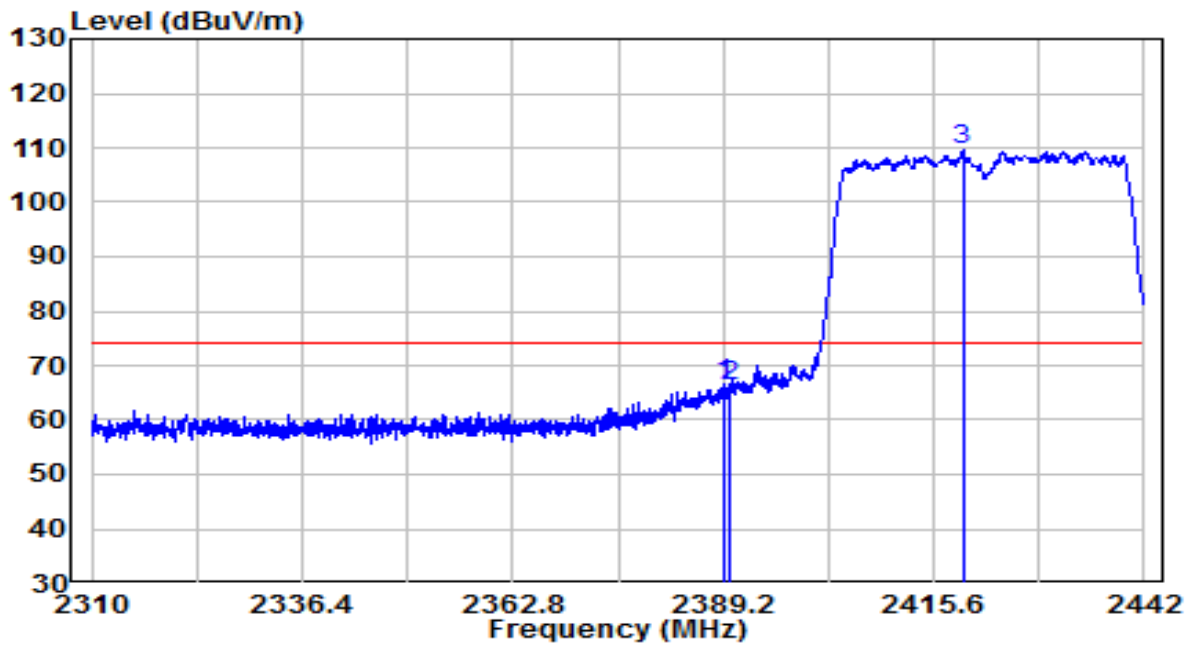


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	2390.000	13.42	32.22	45.64	-8.36	54.00	Average
2	* 2435.202	54.90	32.41	87.31	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	By PC

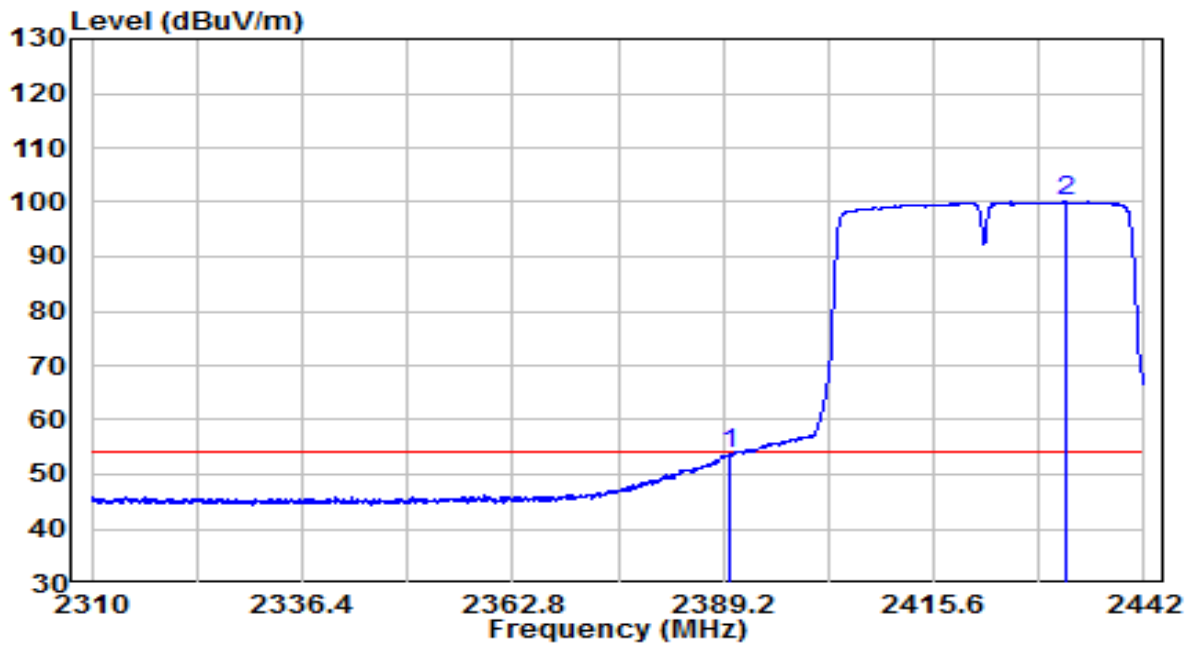


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2389.464	34.46	32.22	66.68	-7.32	74.00	Peak
2	2390.000	33.88	32.22	66.10	-7.90	74.00	Peak
3	* 2419.230	77.20	32.34	109.54	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	By PC

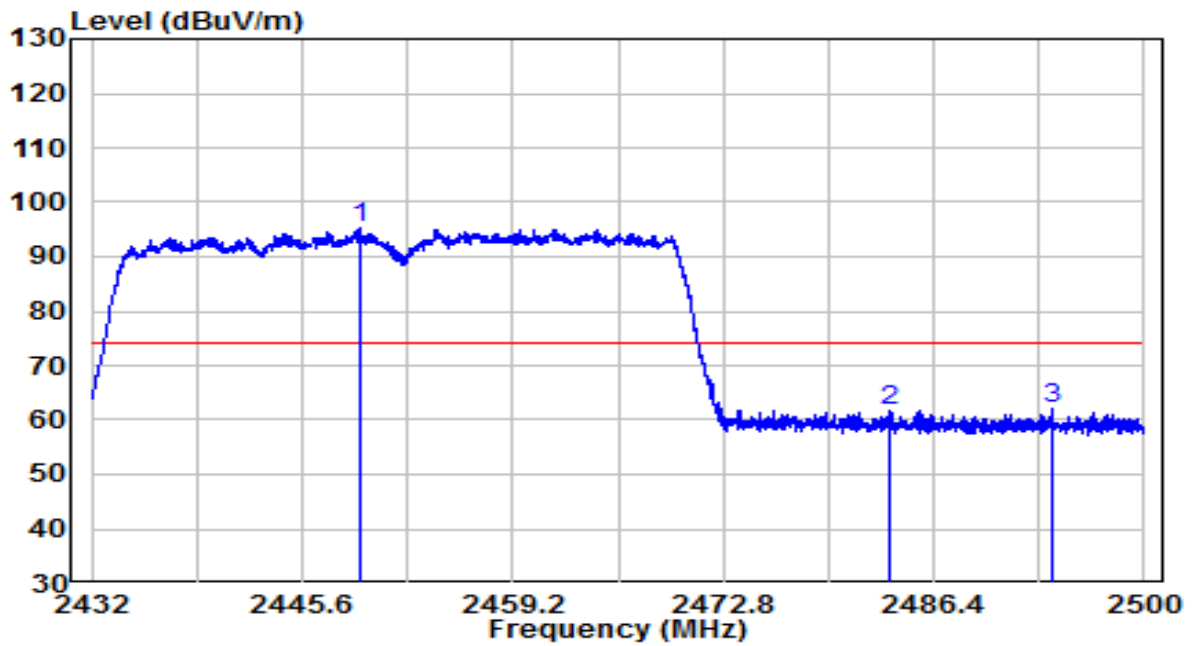


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2390.000	21.45	32.22	53.67	-0.33	54.00	Average
2	* 2432.034	67.61	32.39	100.01	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	By PC

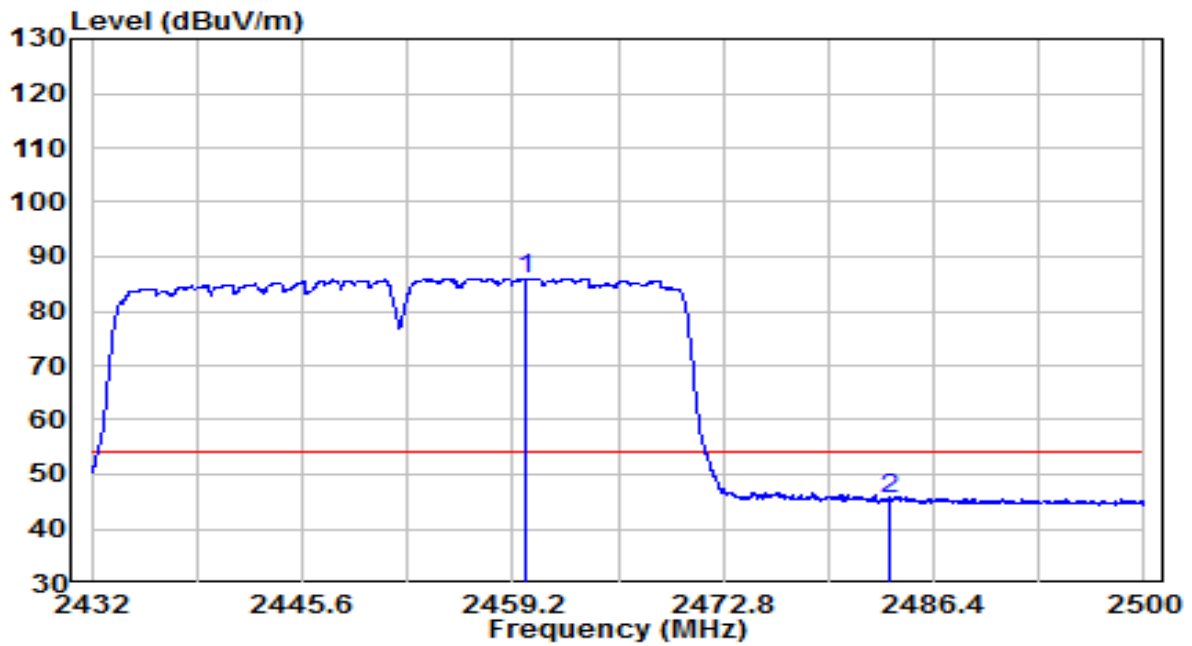


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	62.68	32.47	95.15	N/A	N/A	Peak
2		29.12	32.61	61.73	-12.27	74.00	Peak
3		29.36	32.65	62.02	-11.98	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	By PC

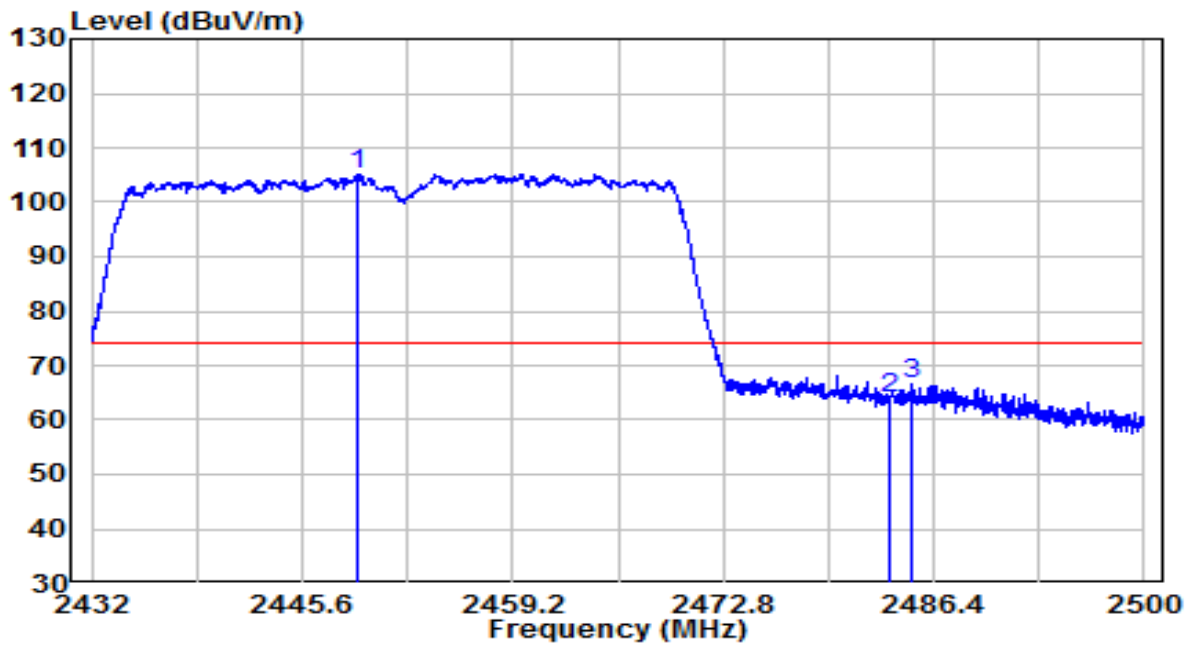


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)	
1	*	2460.118	53.50	32.51	86.01	N/A	N/A	Average
2		2483.500	12.83	32.61	45.44	-8.56	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	By PC

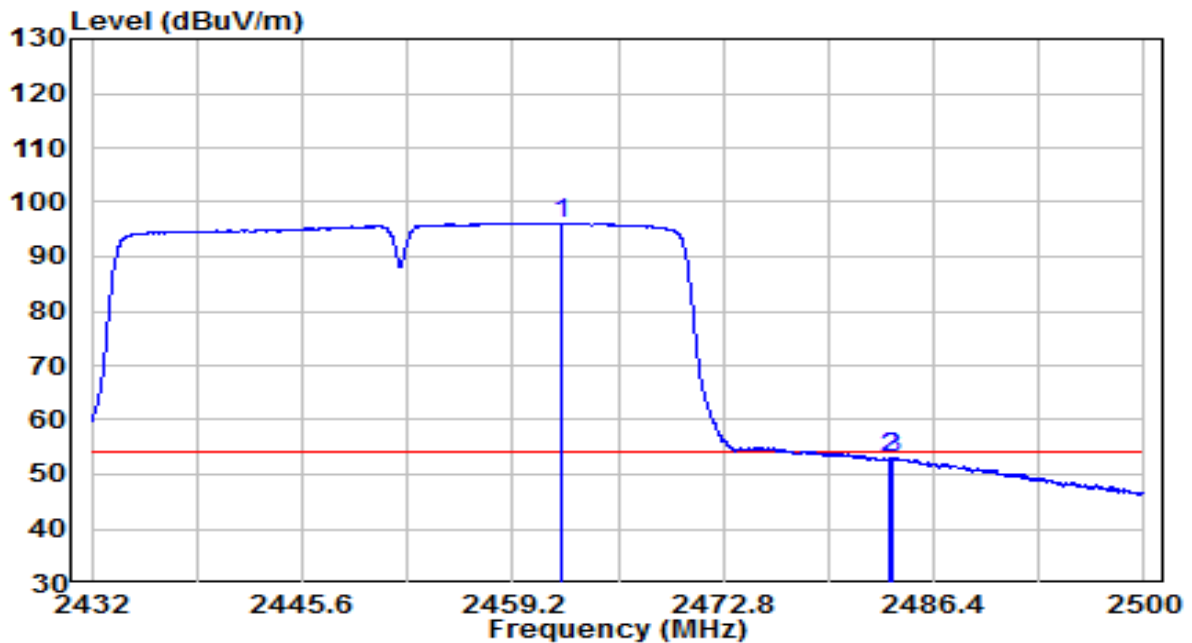


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)	
1	*	2449.204	72.71	32.47	105.18	N/A	N/A	Peak
2		2483.500	31.34	32.61	63.95	-10.05	74.00	Peak
3		2485.040	34.15	32.62	66.77	-7.23	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	By PC

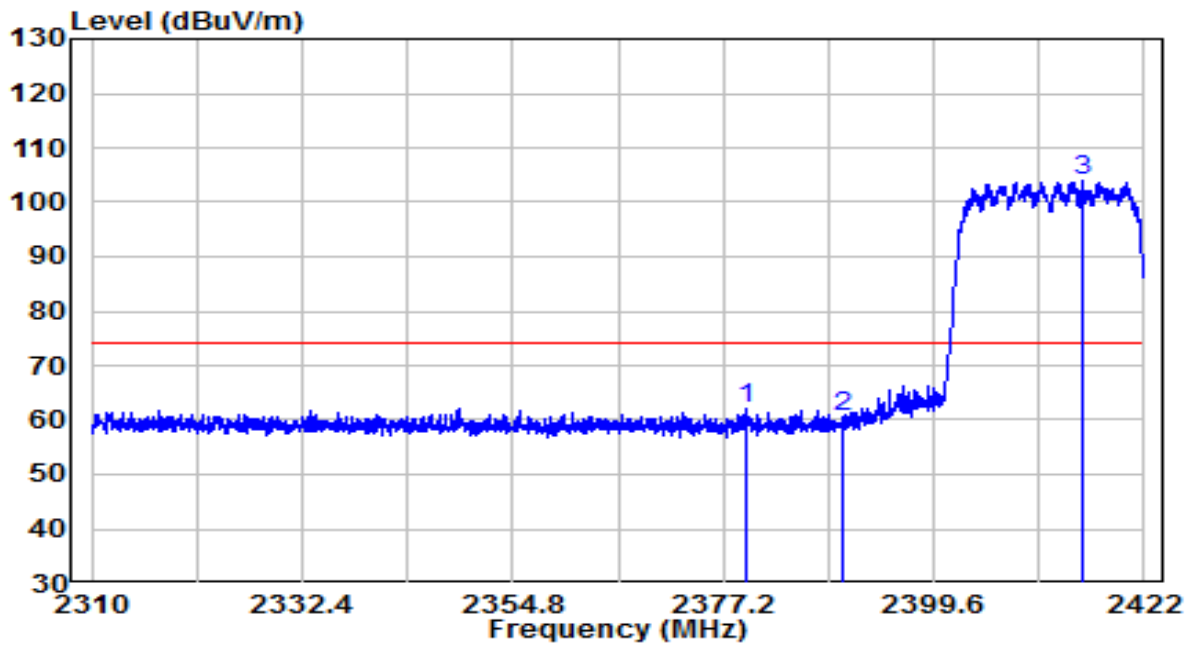


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	63.58	32.52	96.11	N/A	N/A	Average
2		20.26	32.61	52.87	-1.13	54.00	Average
3		20.41	32.61	53.02	-0.98	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	By PC

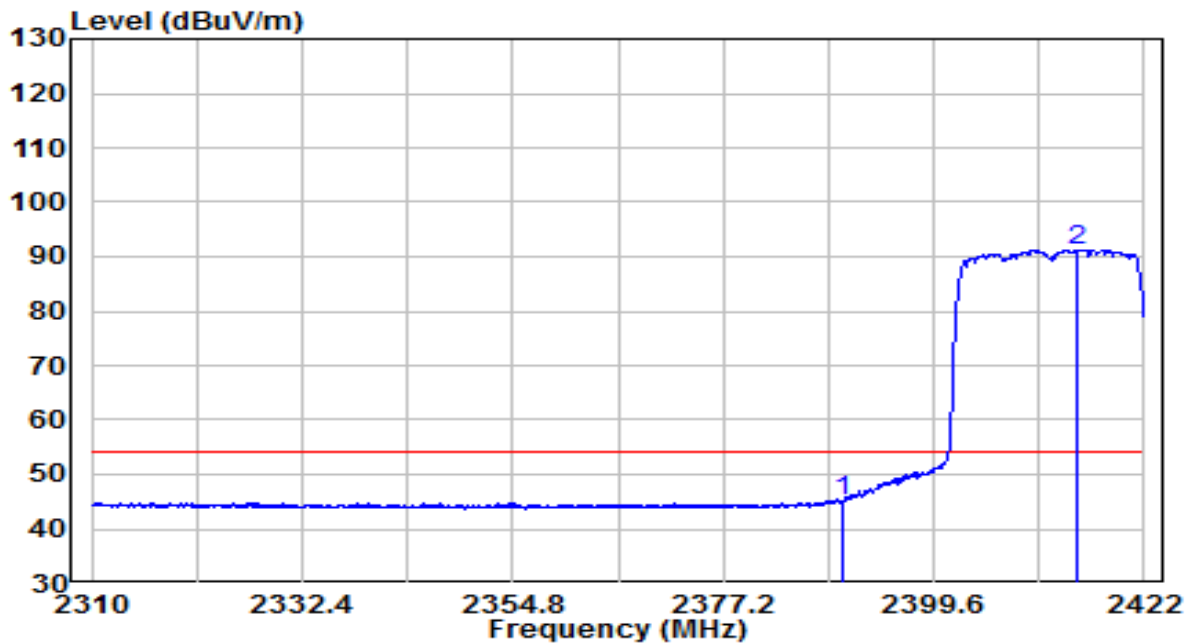


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	2379.552	29.90	32.17	62.07	-11.93	74.00	Peak
2	2390.000	28.50	32.22	60.72	-13.28	74.00	Peak
3	* 2415.560	71.46	32.33	103.78	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	By PC

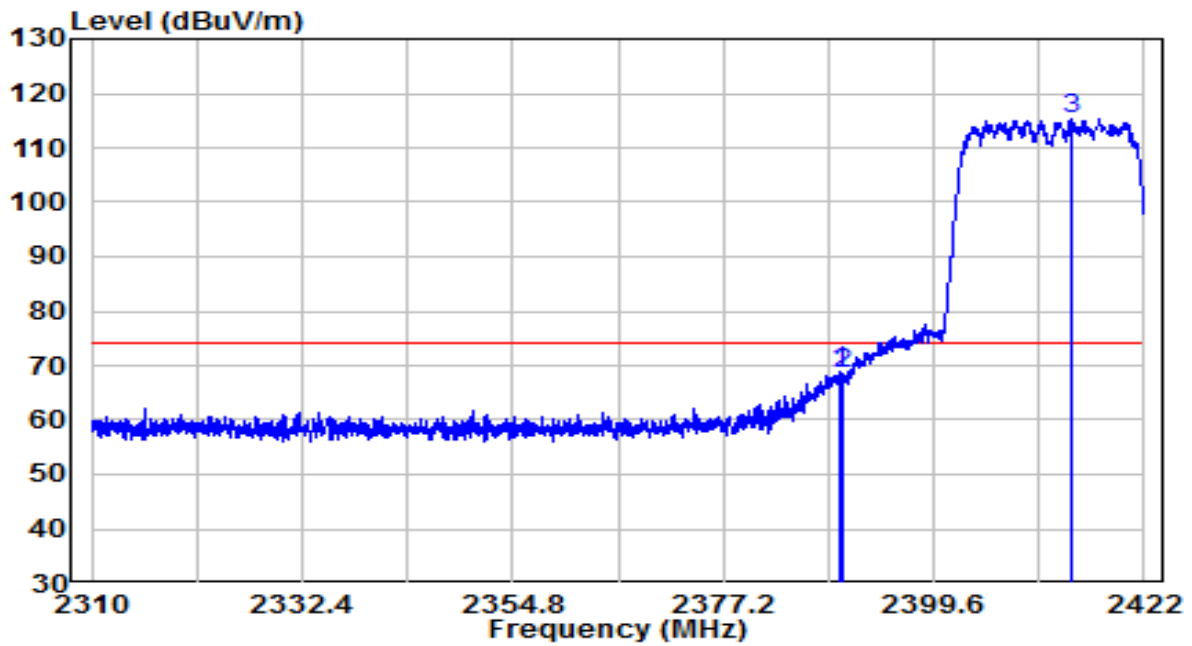


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2390.000	12.79	32.22	45.01	-8.99	54.00	Average
2	* 2414.944	58.98	32.32	91.30	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	By PC

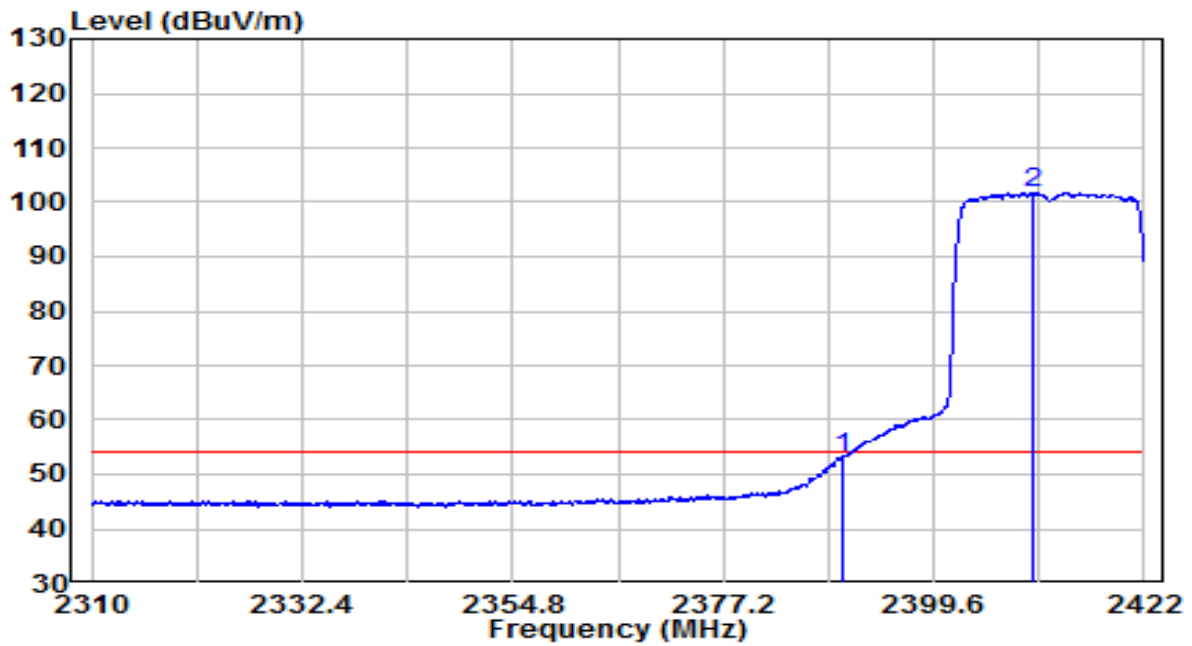


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2389.576	36.73	32.22	68.95	-5.05	74.00	Peak
2	2390.000	36.24	32.22	68.46	-5.54	74.00	Peak
3	* 2414.384	83.08	32.32	115.40	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	By PC

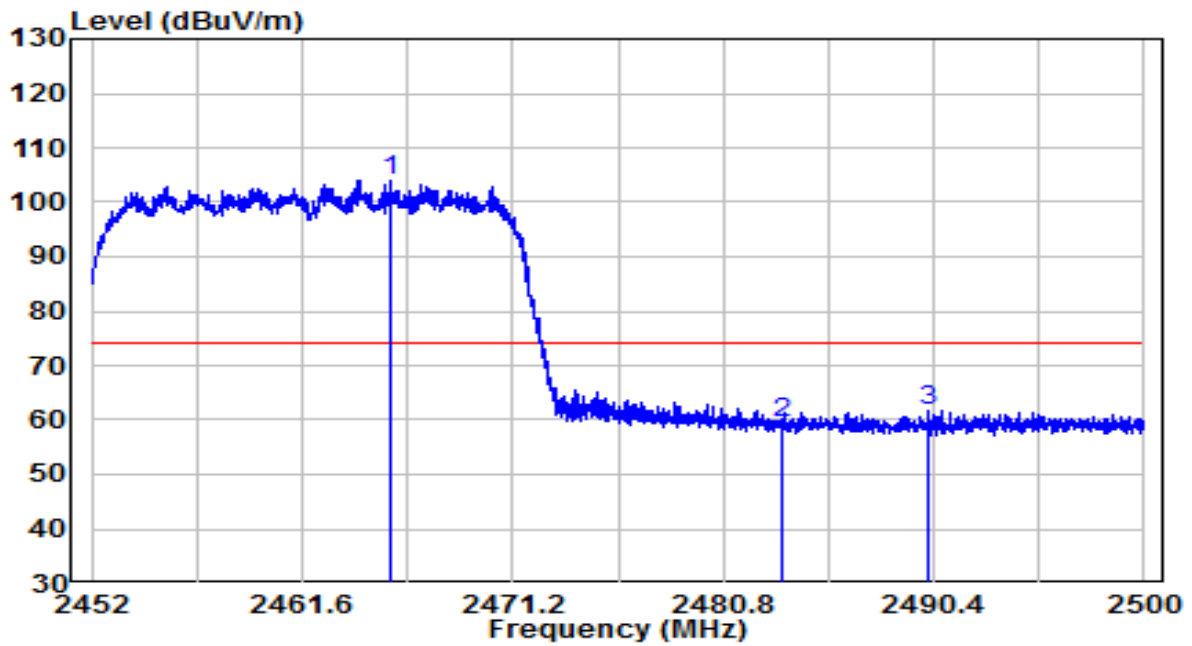


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2390.000	20.96	32.22	53.18	-0.82	54.00	Average
2	* 2410.296	69.34	32.30	101.64	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	By PC

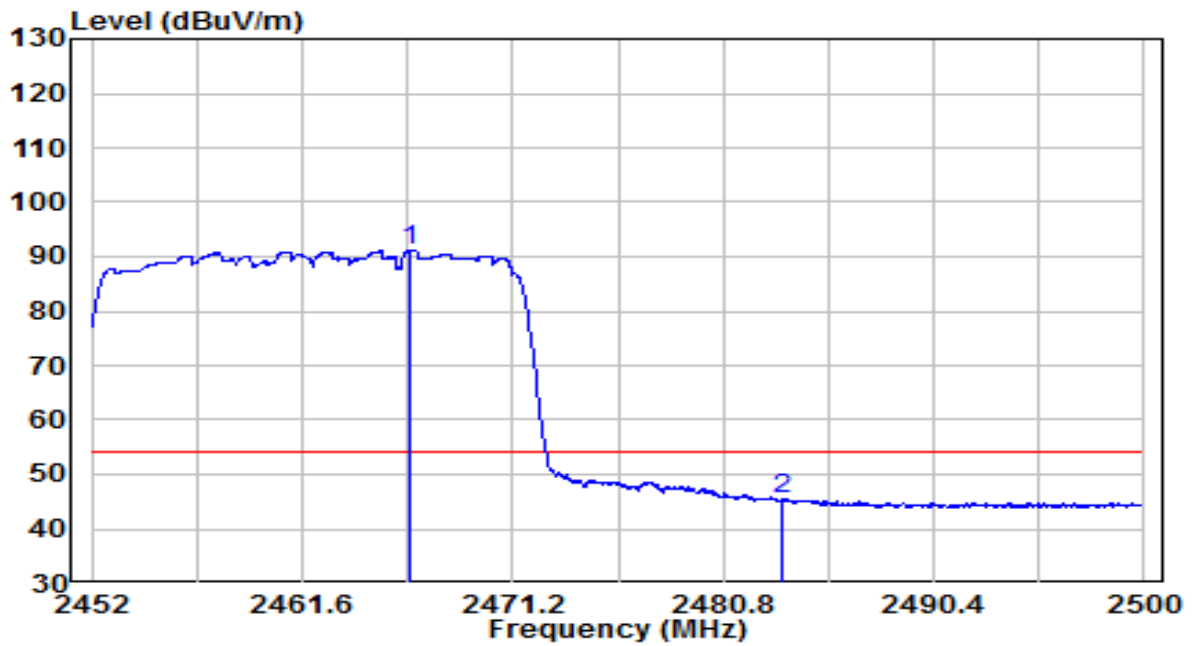


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	71.37	32.54	103.91	N/A	N/A	Peak
2		26.74	32.61	59.35	-14.65	74.00	Peak
3		29.03	32.64	61.66	-12.34	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	By PC

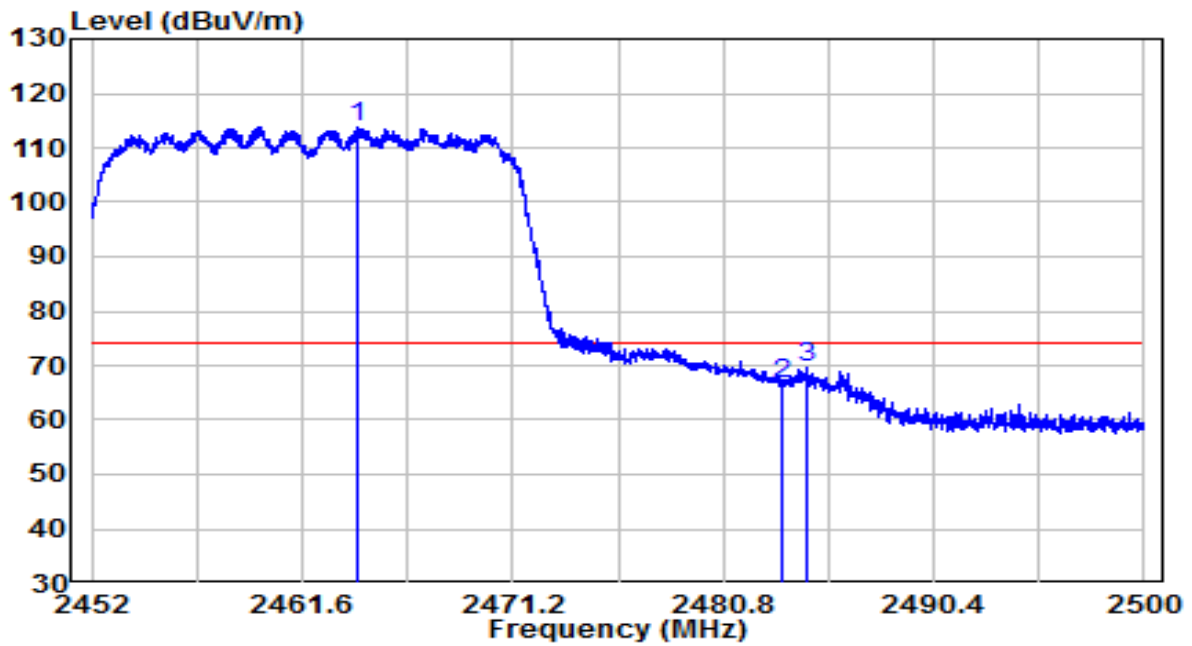


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)	
1	*	2466.568	58.67	32.54	91.20	N/A	N/A	Average
2		2483.500	12.81	32.61	45.42	-8.58	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	By PC

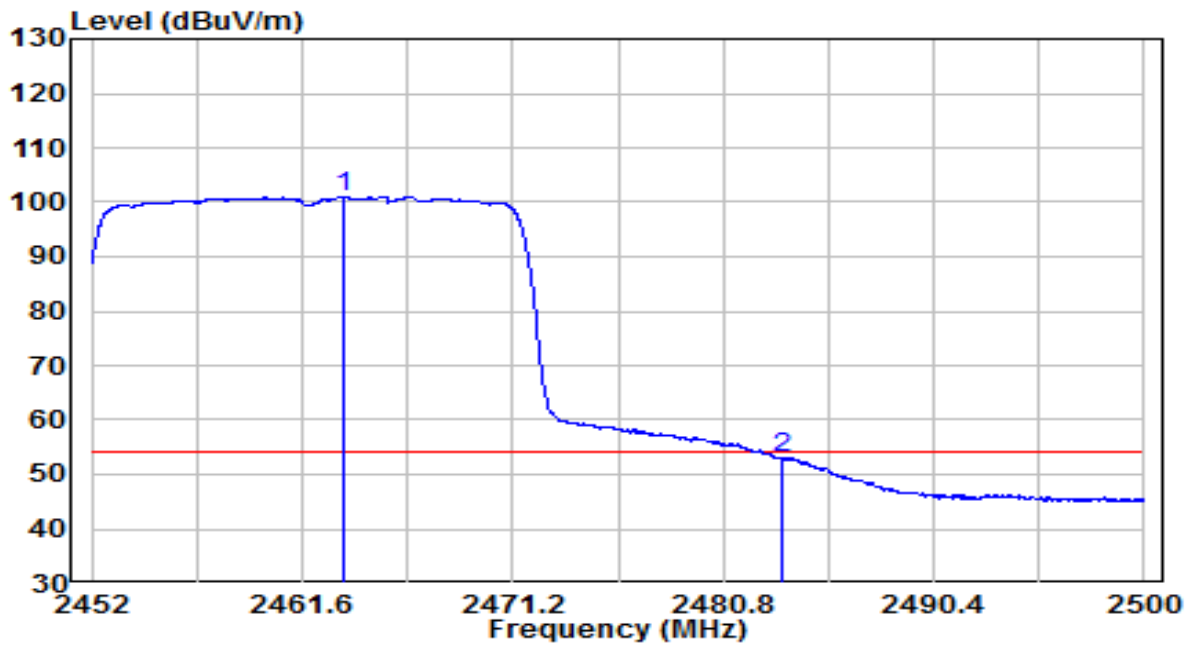


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)	
1	*	2464.144	81.32	32.53	113.85	N/A	N/A	Peak
2		2483.500	33.93	32.61	66.54	-7.46	74.00	Peak
3		2484.616	36.95	32.62	69.57	-4.43	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	By PC

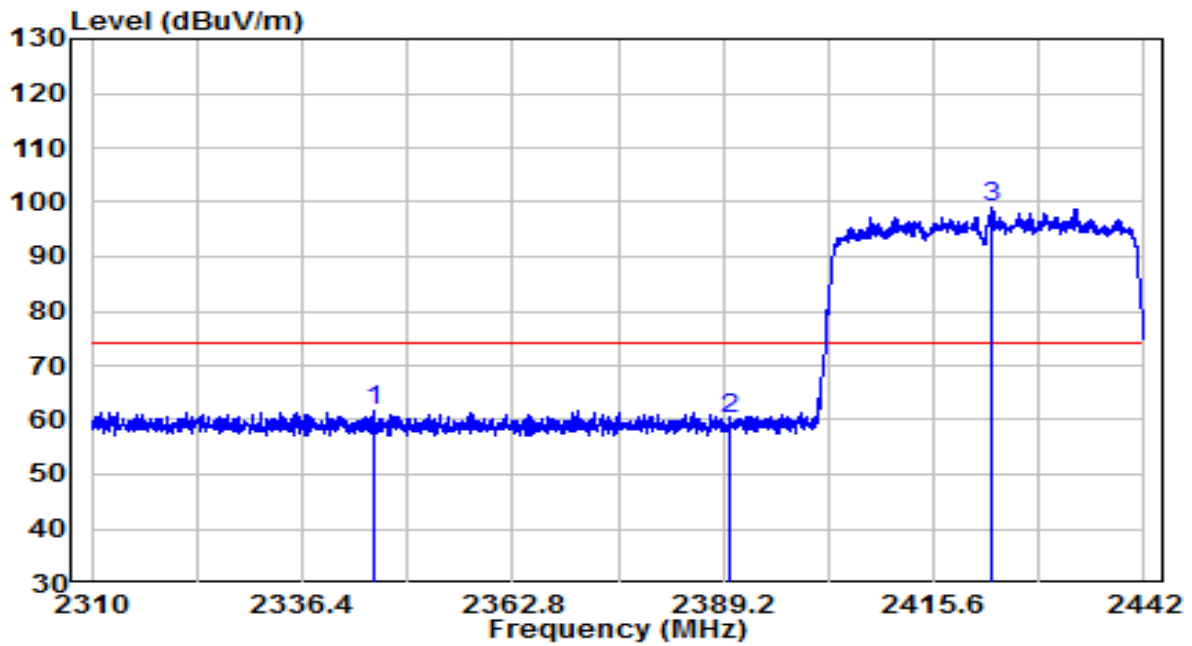


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)	
1	*	2463.496	68.53	32.53	101.06	N/A	N/A	Average
2		2483.500	20.36	32.61	52.97	-1.03	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	By PC

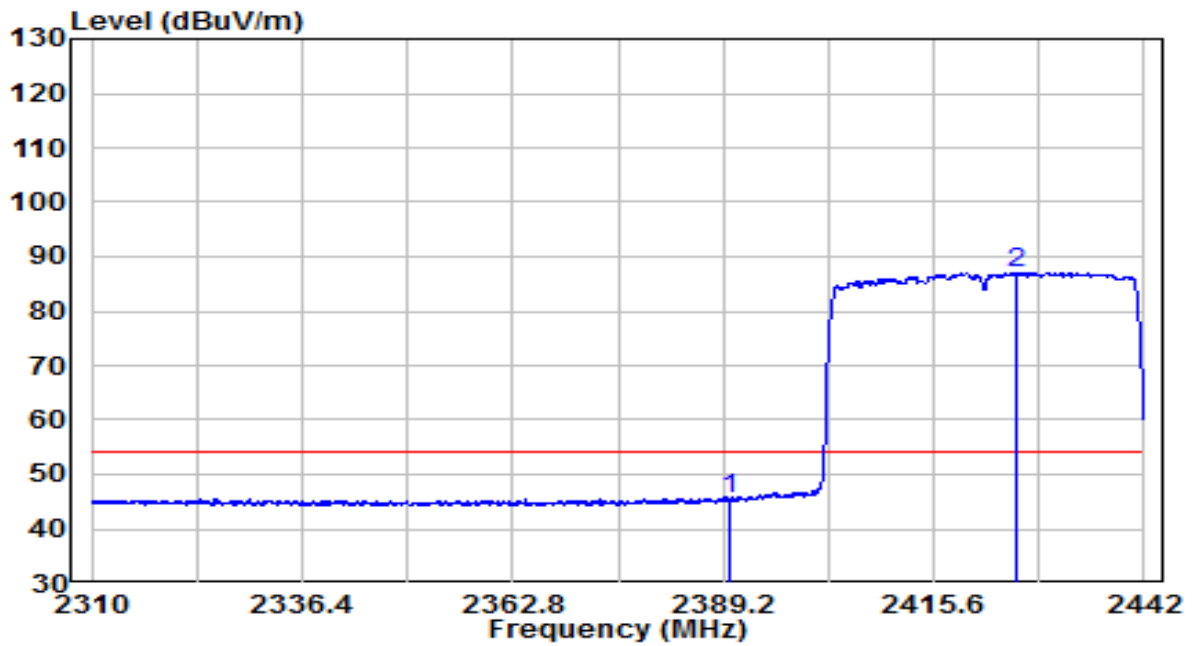


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2345.508	29.85	32.03	61.88	-12.12	74.00	Peak
2	2390.000	27.91	32.22	60.13	-13.87	74.00	Peak
3	* 2422.860	66.62	32.36	98.97	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	By PC

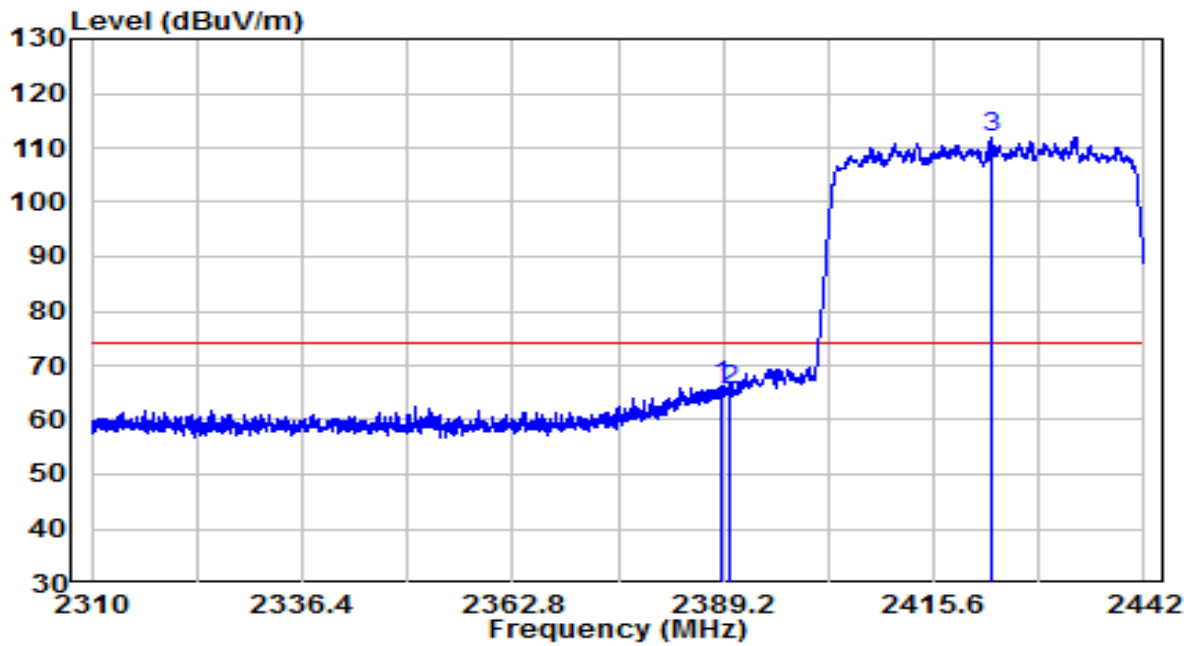


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	2390.000	13.42	32.22	45.63	-8.37	54.00	Average
2	* 2425.896	54.66	32.37	87.03	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	By PC

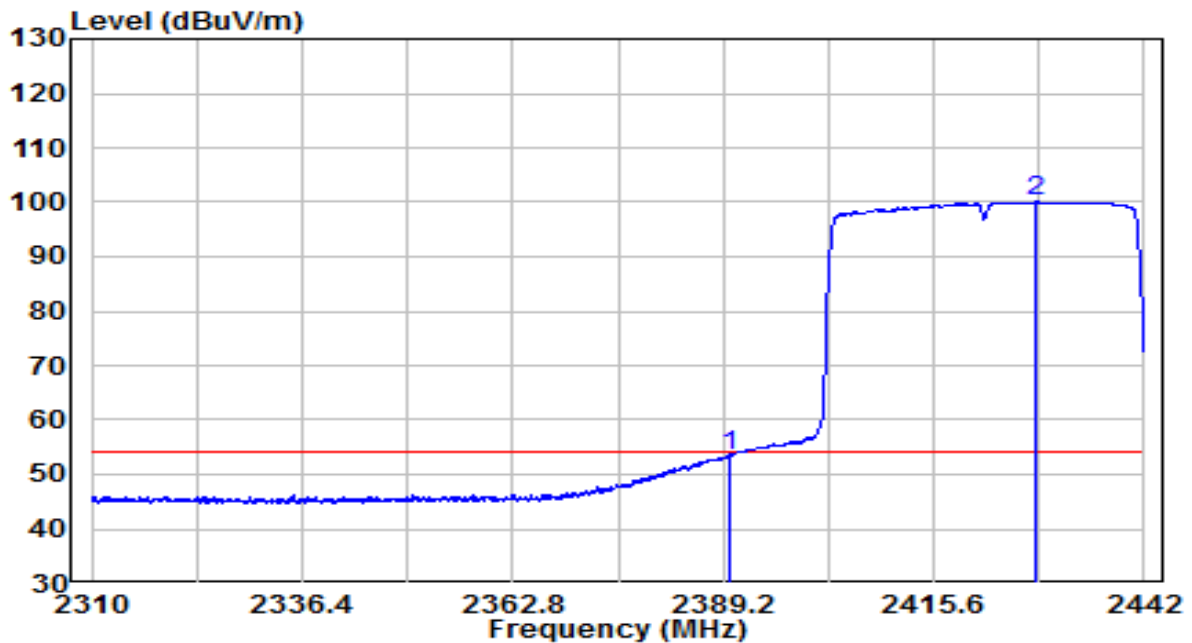


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	2388.870	33.90	32.21	66.12	-7.88	74.00	Peak
2	2390.000	33.20	32.22	65.42	-8.58	74.00	Peak
3	* 2422.926	79.45	32.36	111.81	N/A	N/A	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	By PC

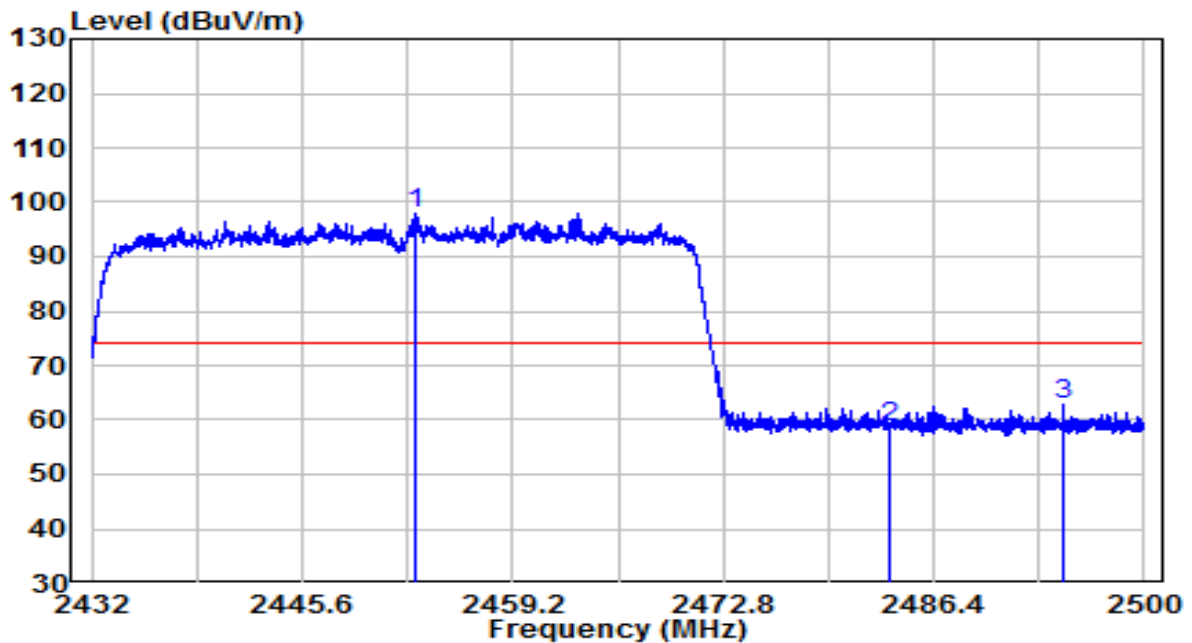


No	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	2390.000	21.08	32.22	53.29	-0.71	54.00	Average
2	* 2428.470	67.63	32.38	100.01	N/A	N/A	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	By PC

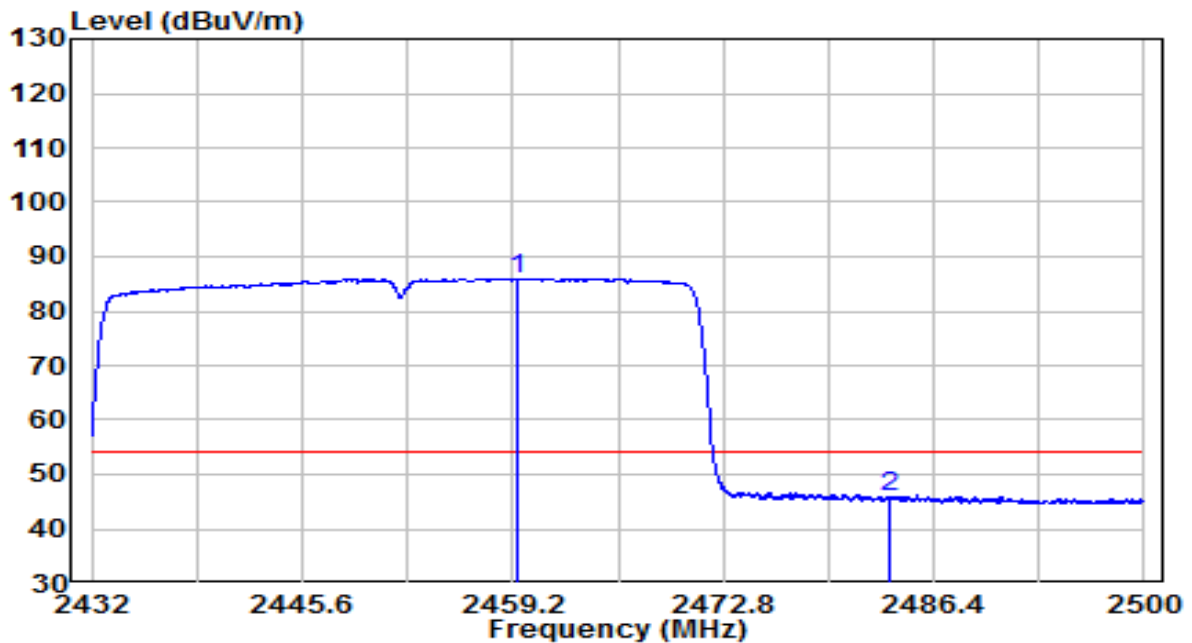


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	65.34	32.48	97.82	N/A	N/A	Peak
2		26.21	32.61	58.82	-15.18	74.00	Peak
3		30.06	32.66	62.72	-11.28	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	By PC

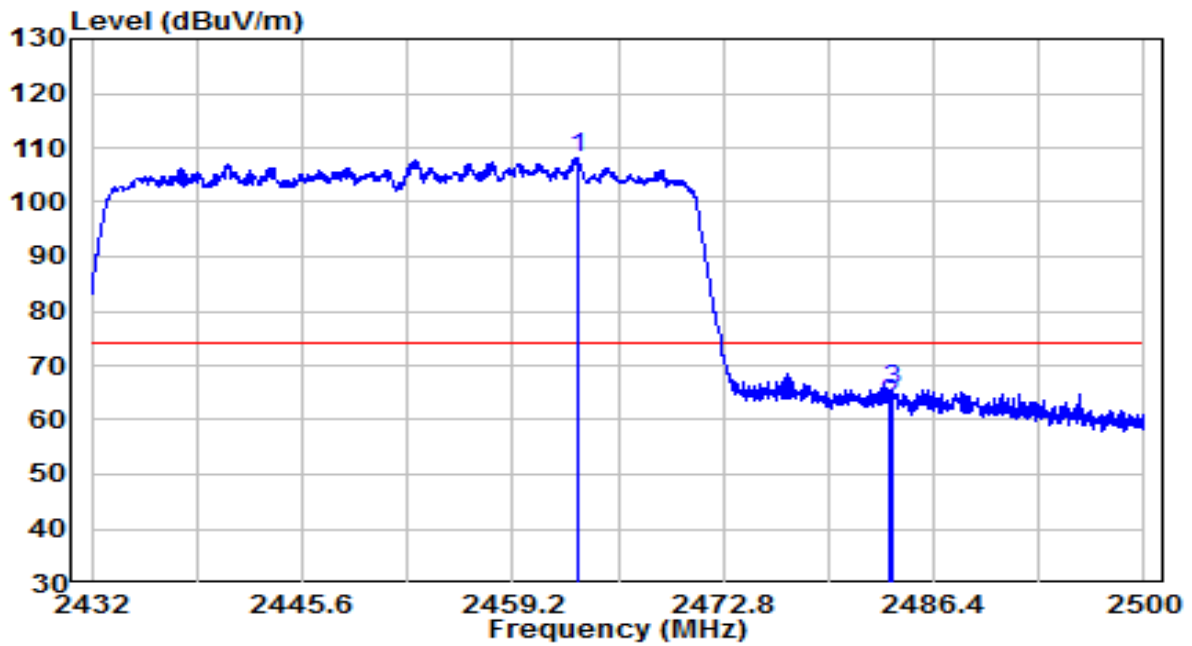


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	* 2459.540	53.47	32.51	85.98	N/A	N/A	Average
2	2483.500	13.07	32.61	45.68	-8.32	54.00	Average

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	By PC

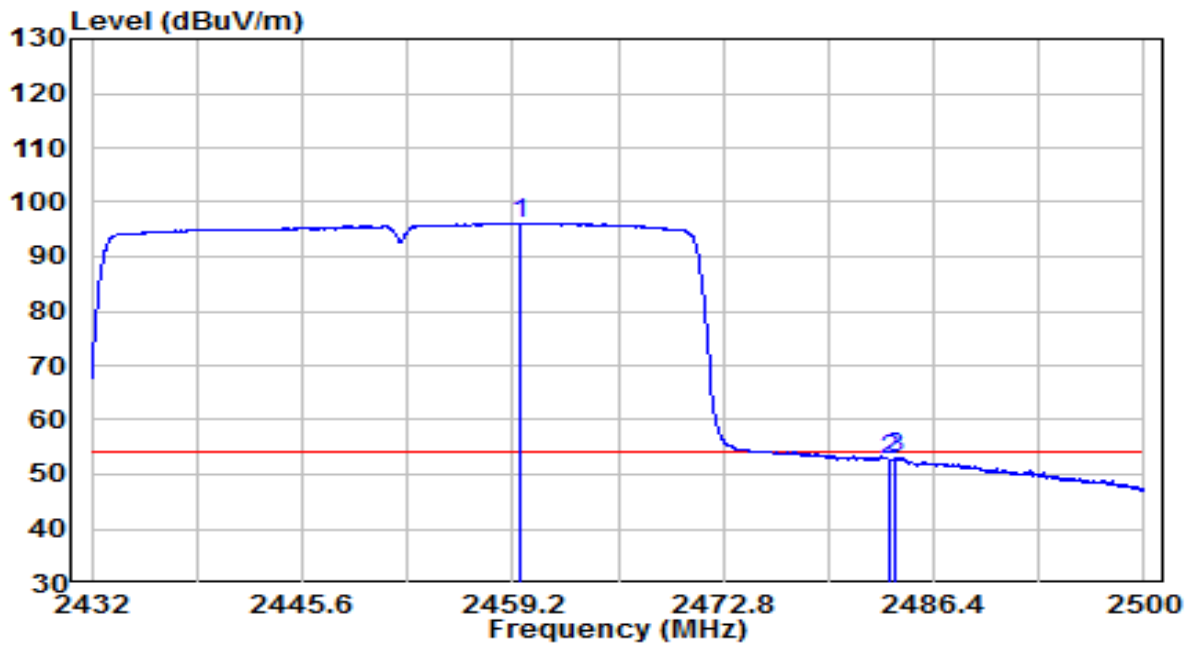


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	75.66	32.53	108.19	N/A	N/A	Peak
2		30.07	32.61	62.68	-11.32	74.00	Peak
3		32.98	32.61	65.59	-8.41	74.00	Peak

Note:

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

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-03-18
Factor	BBHA 9120D (1GHz~18GHz)_2021	Temp. / Humidity	23.5°C/28.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	By PC



No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	63.66	32.51	96.17	N/A	N/A	Average
2		20.14	32.61	52.75	-1.25	54.00	Average
3		20.36	32.61	52.97	-1.03	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(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

7.8. AC Conducted Emissions Measurement

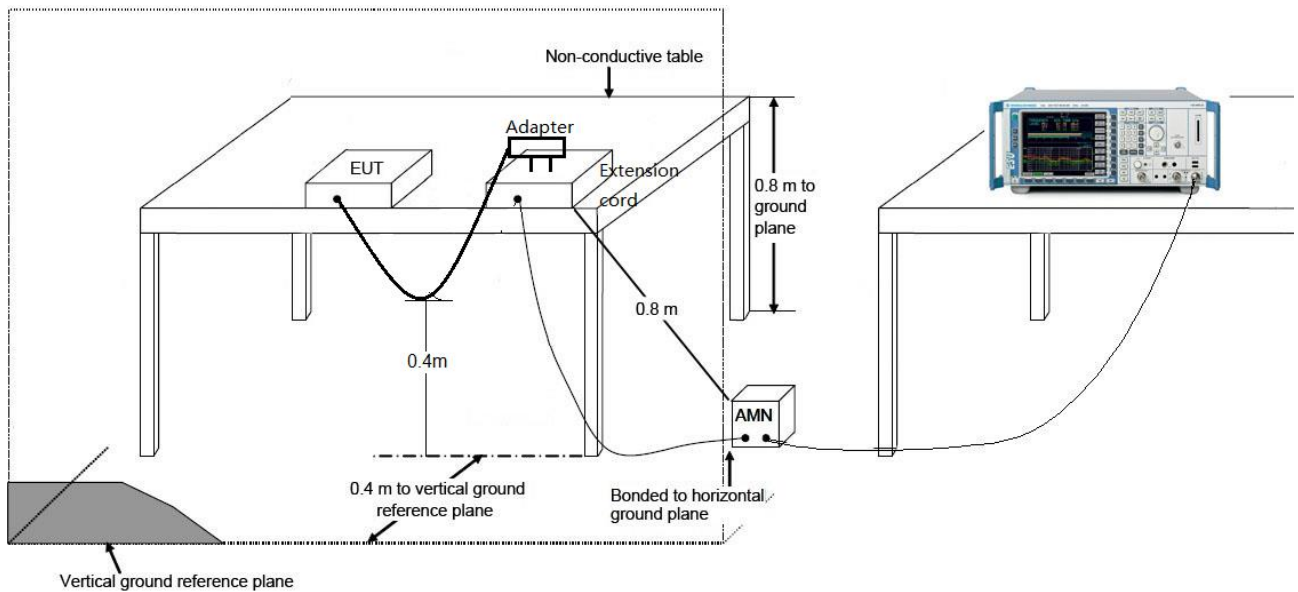
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

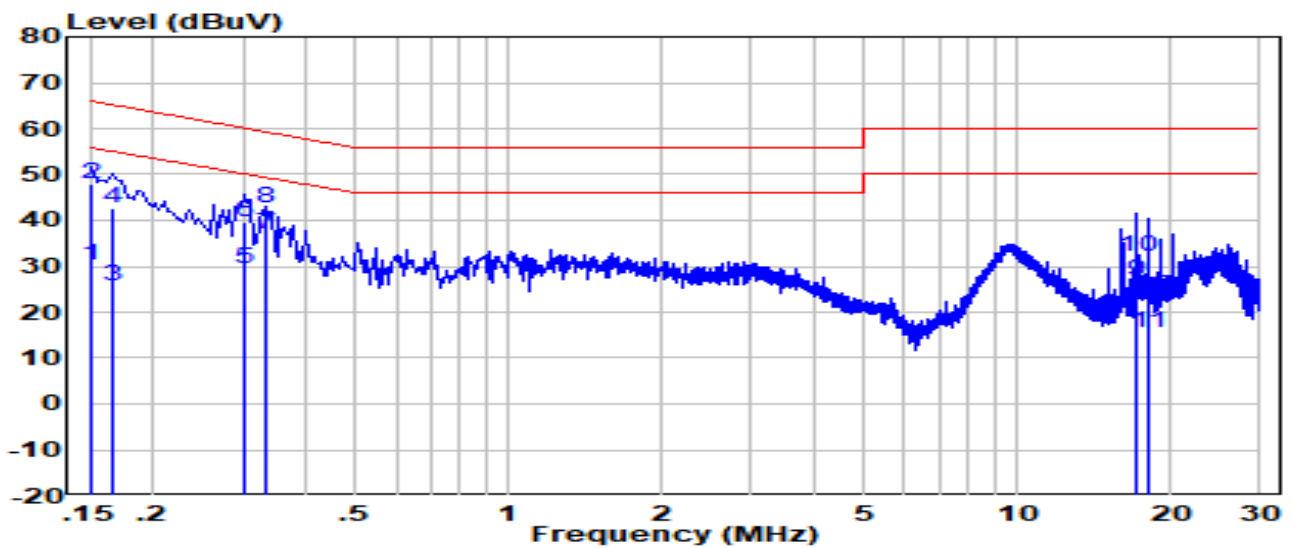
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. Test Result

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	CE_ENV216-L1 (Filter OFF)_2021	Temp. / Humidity	25.7°C /51.6%
Polarity	Line1	Site / Test Engineer	SR5 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	By PC



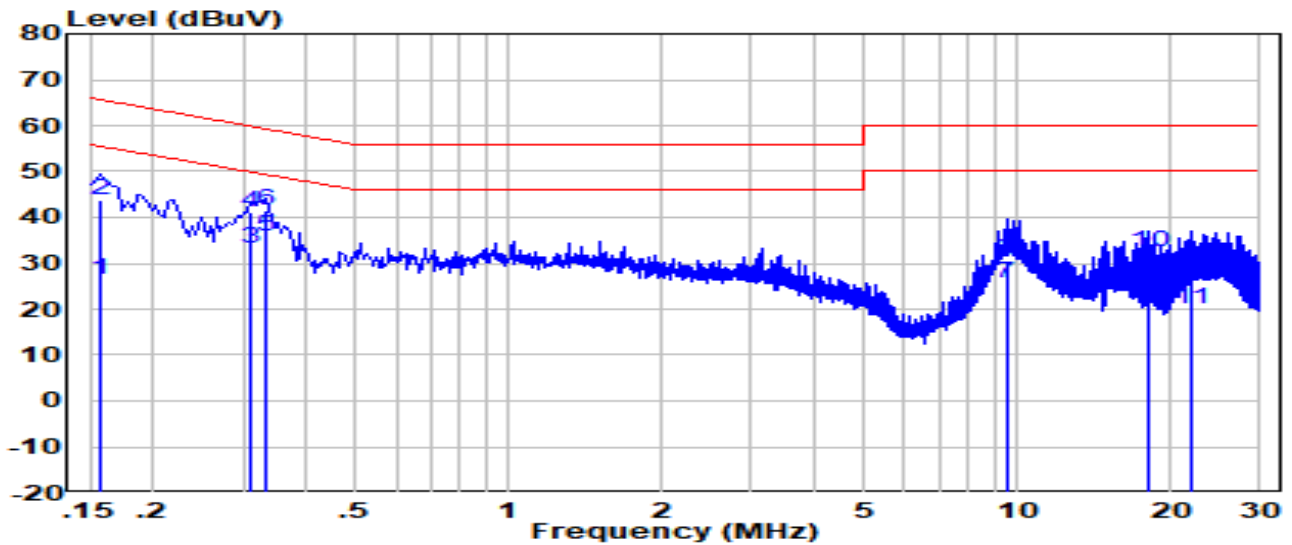
No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV)	Margin (dB)	Limit (dBUV)	Remark (QP/PK/AV)
1	0.150	20.63	9.61	30.24	-25.76	56.00	Average
2	0.150	38.13	9.61	47.74	-18.26	66.00	QP
3	0.166	16.23	9.61	25.85	-29.31	55.16	Average
4	0.166	33.03	9.61	42.65	-22.51	65.16	QP
5	0.302	19.76	9.62	29.37	-20.81	50.19	Average
6	0.302	30.16	9.62	39.77	-20.41	60.19	QP
7	* 0.334	27.35	9.62	36.97	-12.38	49.35	Average
8	0.334	32.85	9.62	42.47	-16.88	59.35	QP
9	17.080	16.90	9.94	26.84	-23.16	50.00	Average
10	17.080	22.30	9.94	32.24	-27.76	60.00	QP
11	18.100	5.61	9.96	15.57	-34.43	50.00	Average
12	18.100	13.51	9.96	23.47	-36.53	60.00	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).

3. Measurement(dB μ V) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AX1800 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-05-20
Factor	CE_ENV216-N (Filter OFF)_2021	Temp. / Humidity	25.7°C /51.6%
Polarity	Neutral	Site / Test Engineer	SR5 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	By PC



No	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Remark (QP/PK/AV)
1	0.158	16.82	9.62	26.44	-29.13	55.57	Average
2	0.158	34.02	9.62	43.64	-21.93	65.57	QP
3	0.310	23.56	9.62	33.18	-16.79	49.97	Average
4	0.310	31.36	9.62	40.98	-18.99	59.97	QP
5	* 0.334	26.36	9.62	35.98	-13.37	49.35	Average
6	0.334	32.06	9.62	41.68	-17.67	59.35	QP
7	9.500	15.75	9.88	25.62	-24.38	50.00	Average
8	9.500	20.85	9.88	30.72	-29.28	60.00	QP
9	18.080	10.09	10.02	20.10	-29.90	50.00	Average
10	18.080	22.29	10.02	32.30	-27.70	60.00	QP
11	21.930	10.07	10.07	20.14	-29.86	50.00	Average
12	21.930	16.97	10.07	27.04	-32.96	60.00	QP

Note:

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15C of the FCC Rules.

————— The End —————

Appendix A - Test Setup Photograph

Refer to "2110TW0003-Setup Photo" file.

Appendix B - External Photograph

Refer to " 2110TW0003-External Photo" file.

Appendix C - Internal Photograph

Refer to " 2110TW0003-Internal Photo" file.