

802.11ax-HE40 Power Spectral Density - Ant 2

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



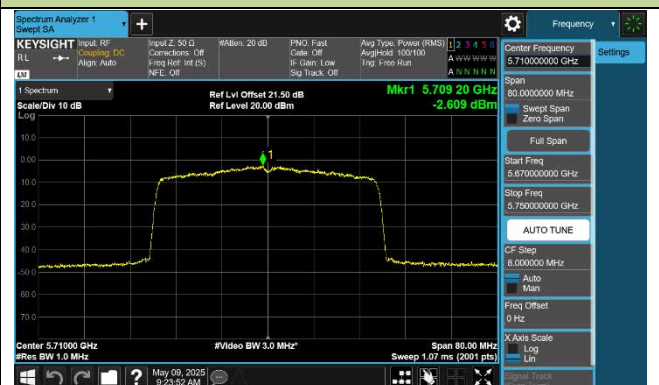
Channel 110 (5550MHz)

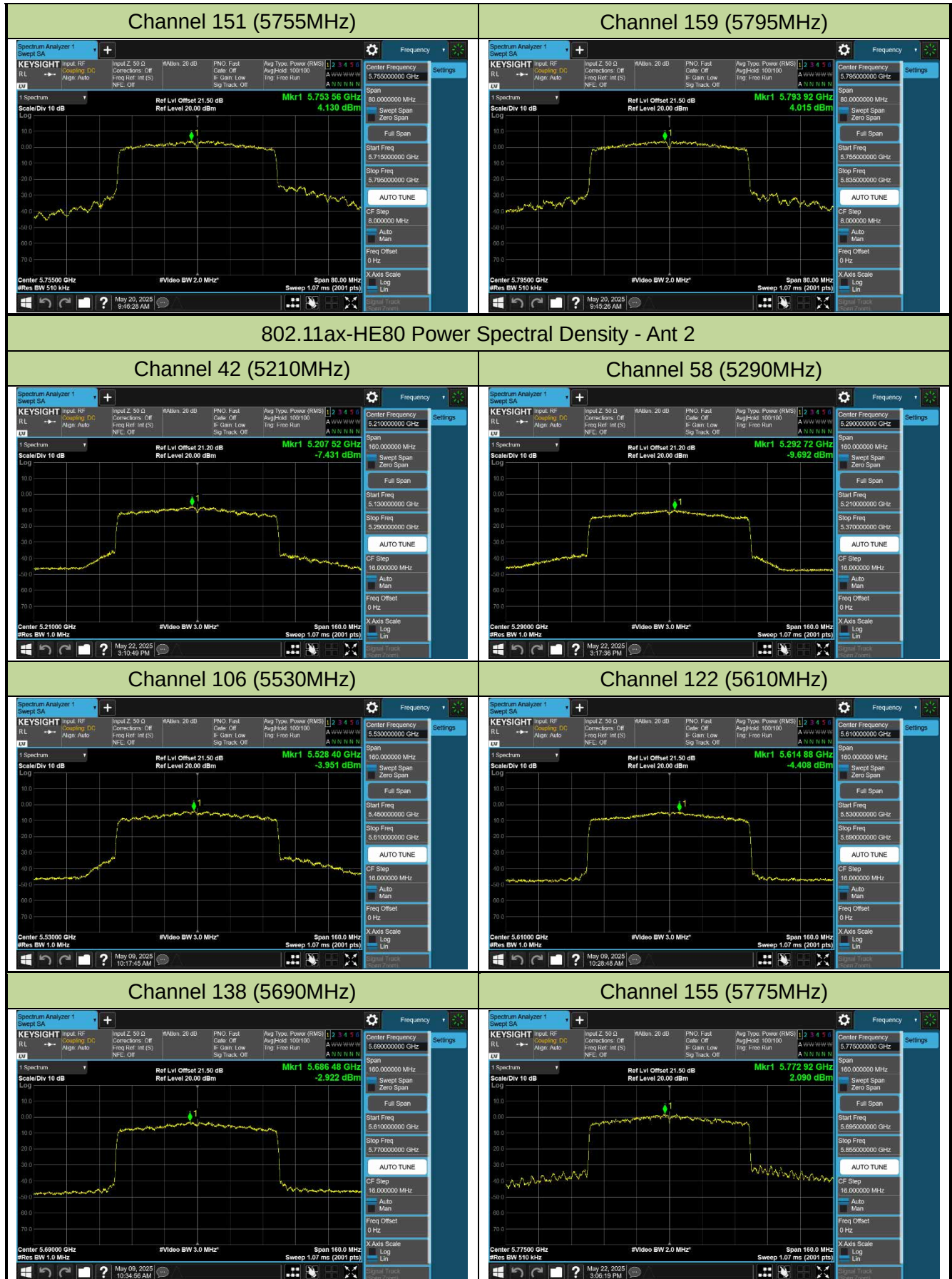


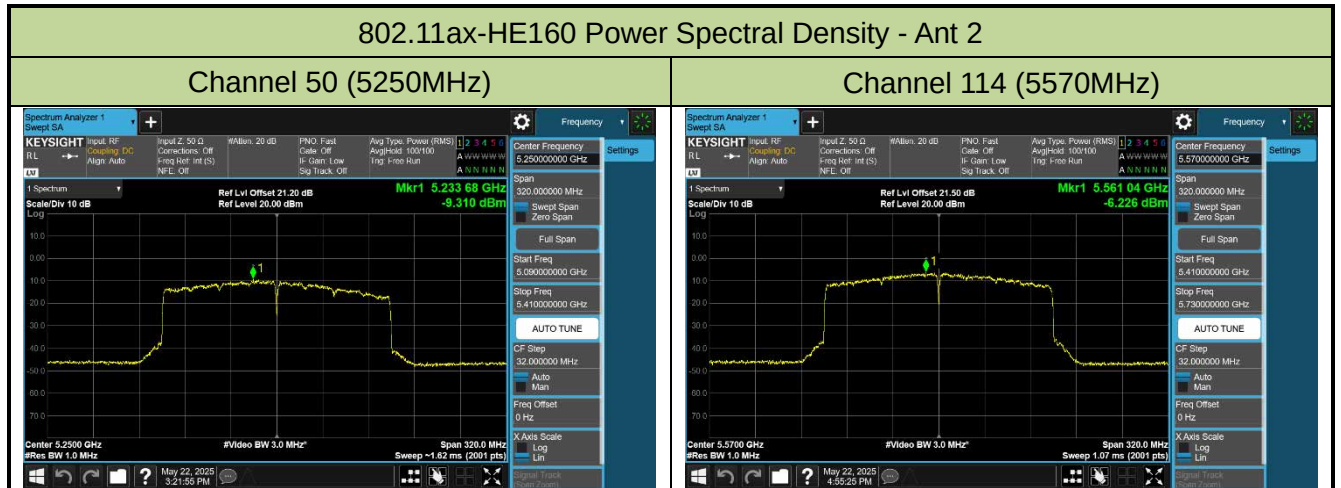
Channel 134 (5670MHz)



Channel 142 (5710MHz)







802.11a Power Spectral Density - Ant 3

Channel 36 (5180MHz)



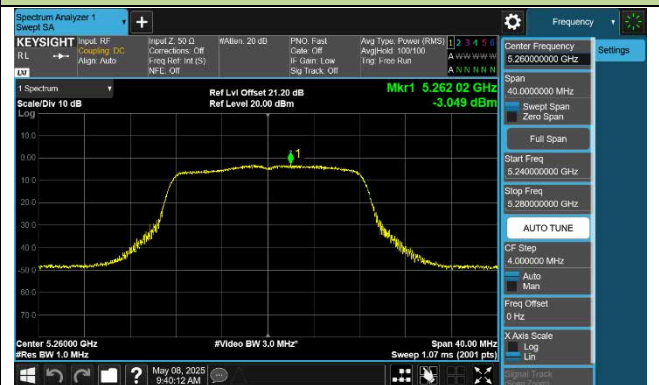
Channel 40 (5200MHz)



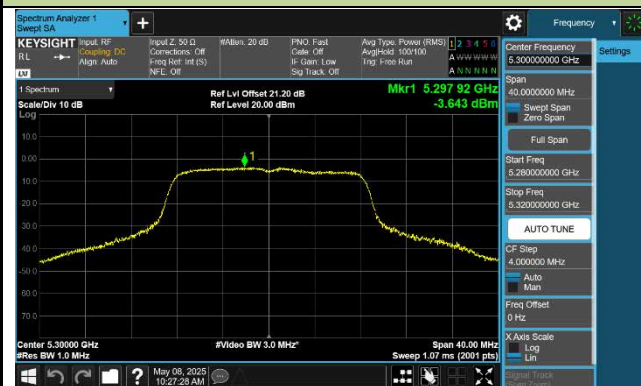
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

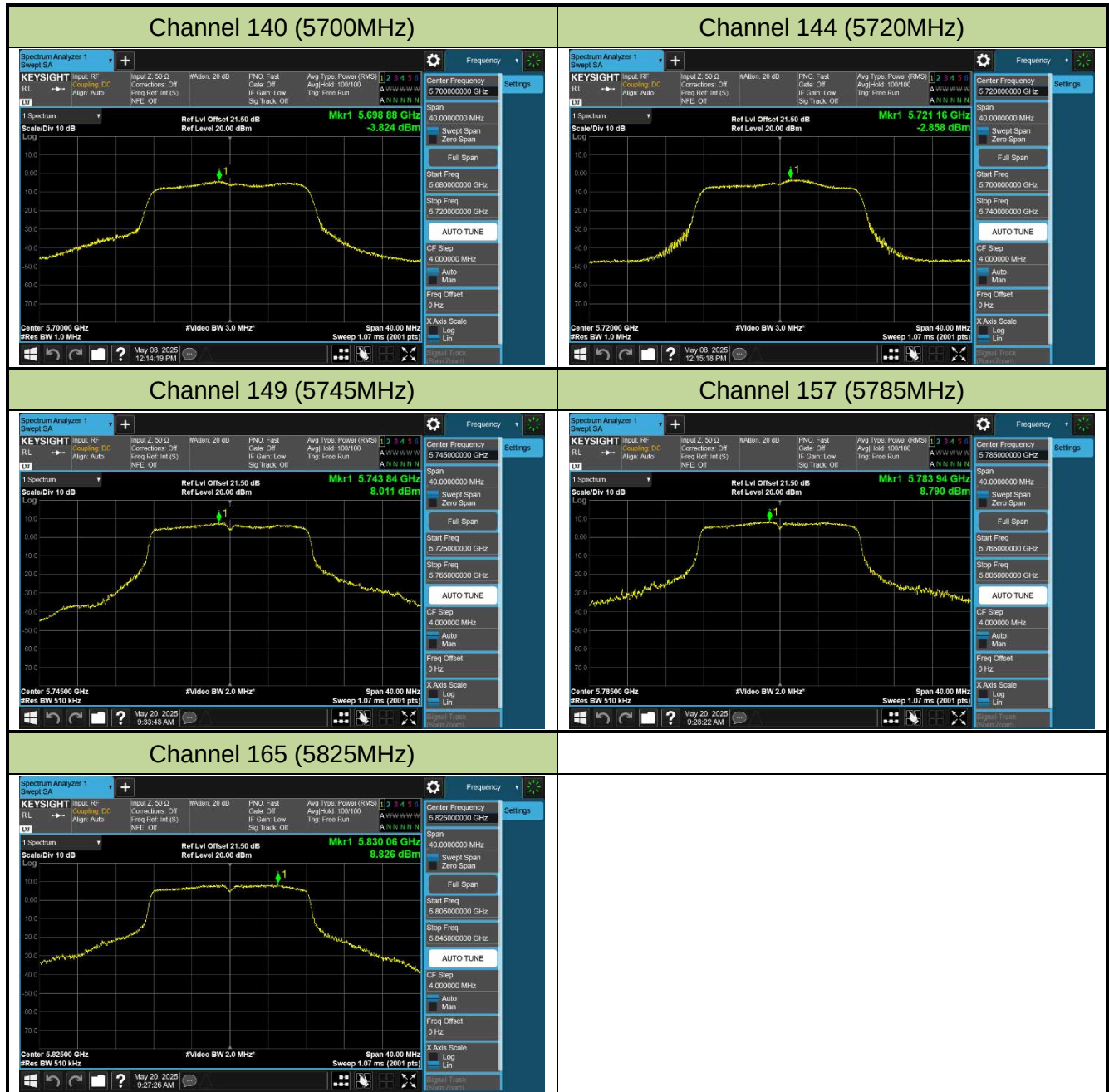


Channel 100 (5500MHz)



Channel 116 (5580MHz)





802.11ac-VHT20 Power Spectral Density - Ant 3

Channel 36 (5180MHz)



Channel 40 (5200MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

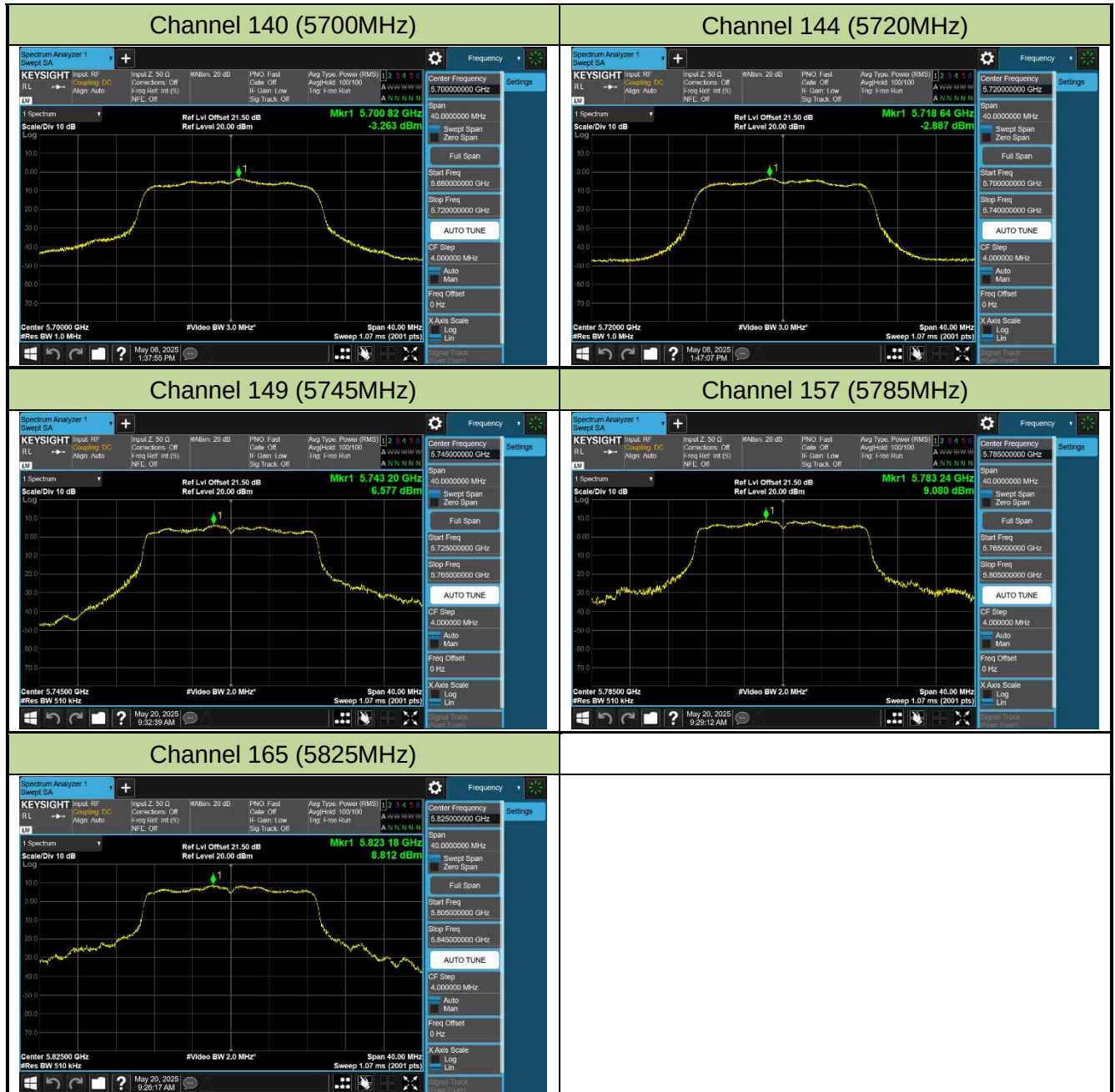


Channel 100 (5500MHz)



Channel 116 (5580MHz)





802.11ac-VHT40 Power Spectral Density - Ant 3

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



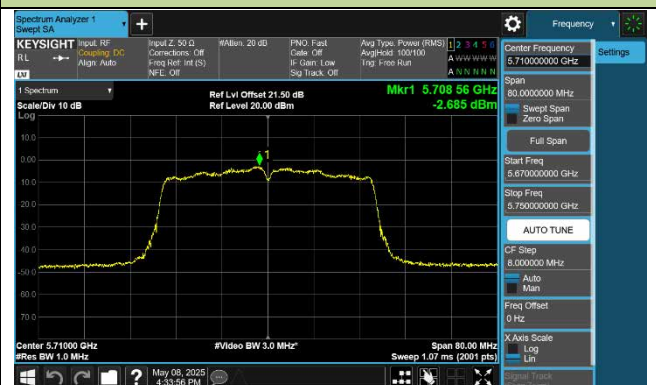
Channel 110 (5550MHz)

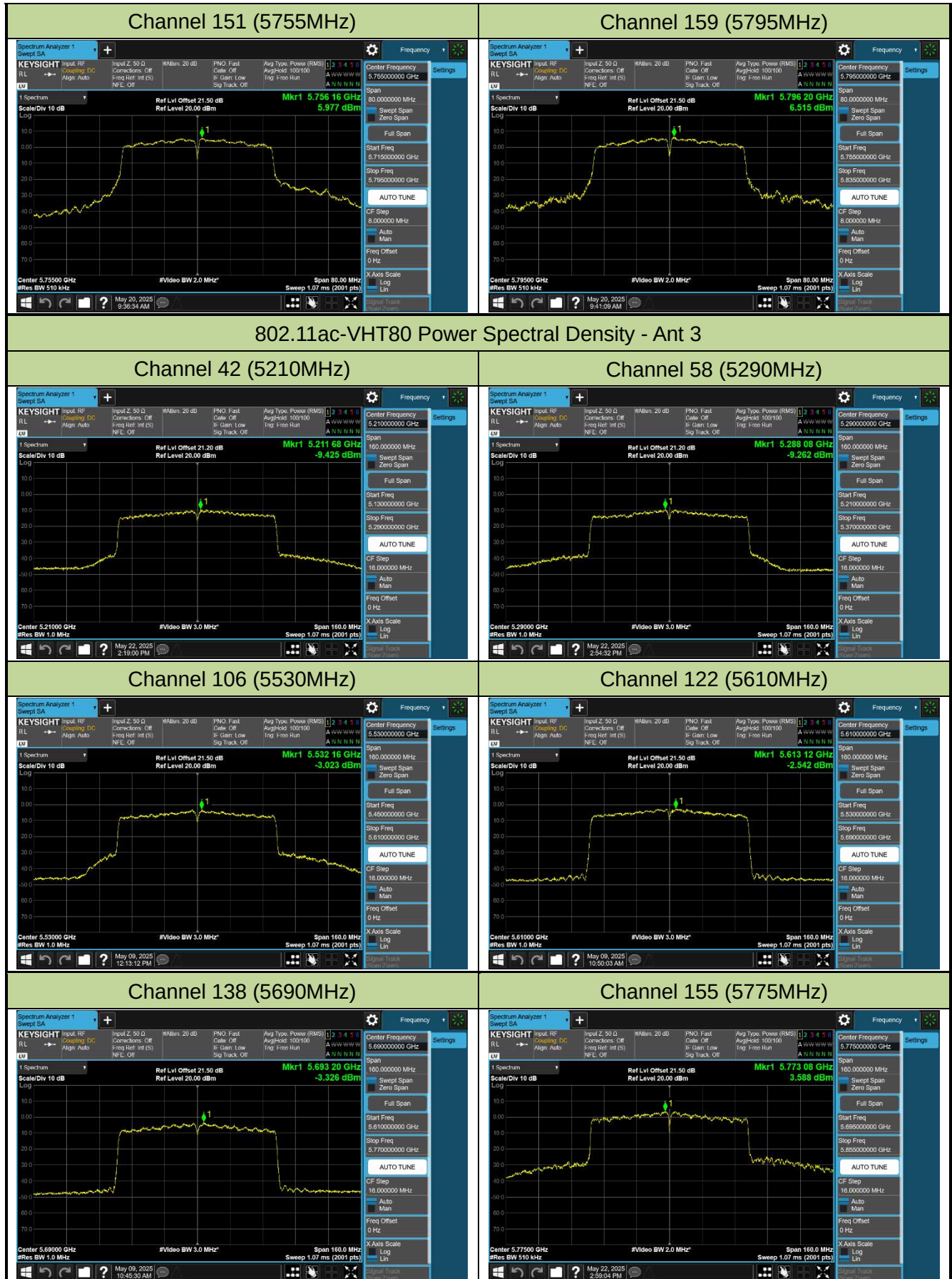


Channel 134 (5670MHz)



Channel 142 (5710MHz)





802.11ac-VHT160 Power Spectral Density - Ant 3

Channel 50 (5250MHz)



Channel 114 (5570MHz)



802.11ax-HE20 Power Spectral Density - Ant 3

Channel 36 (5180MHz)



Channel 40 (5200MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

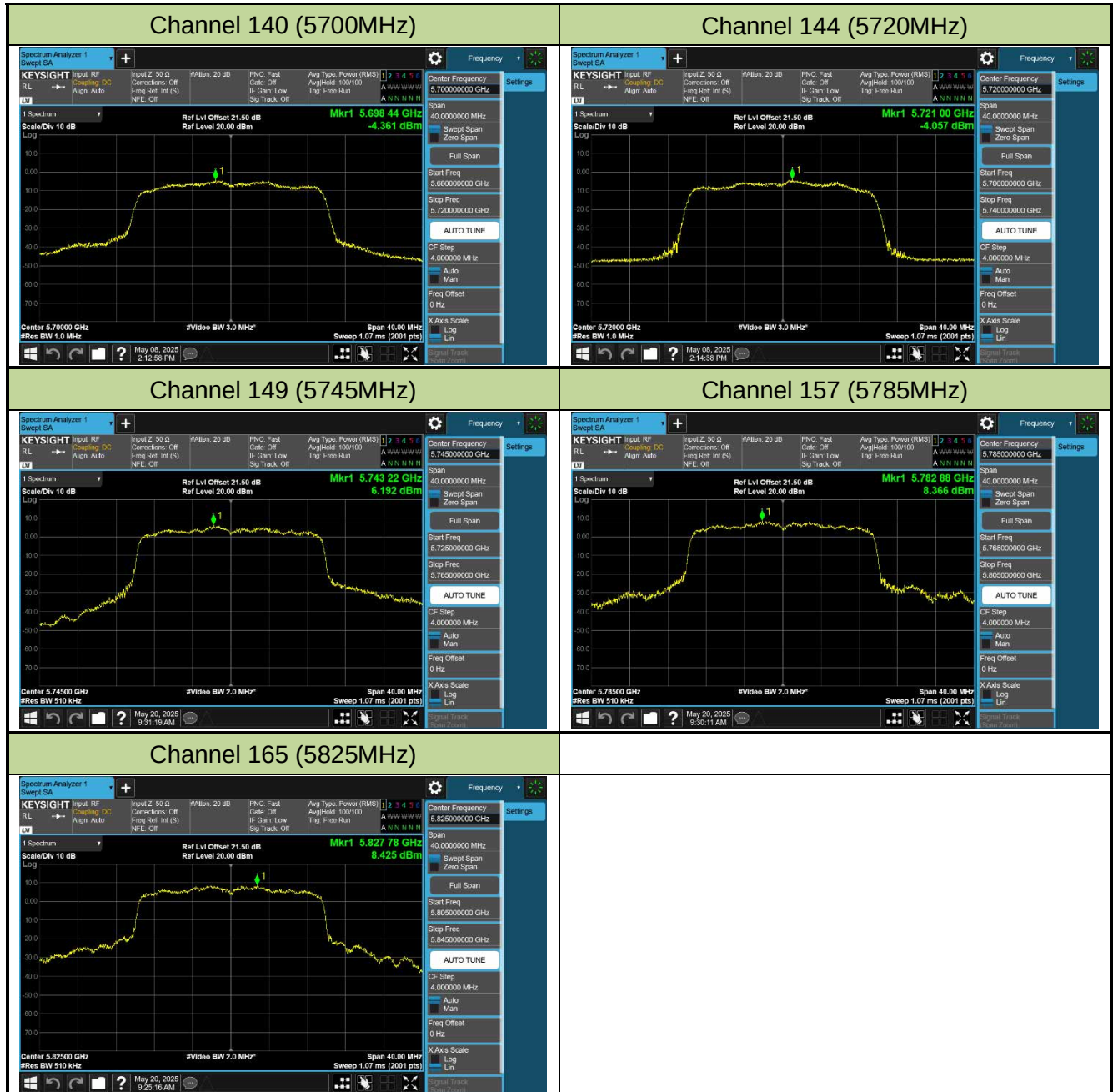


Channel 100 (5500MHz)



Channel 116 (5580MHz)





802.11ax-HE40 Power Spectral Density - Ant 3

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)

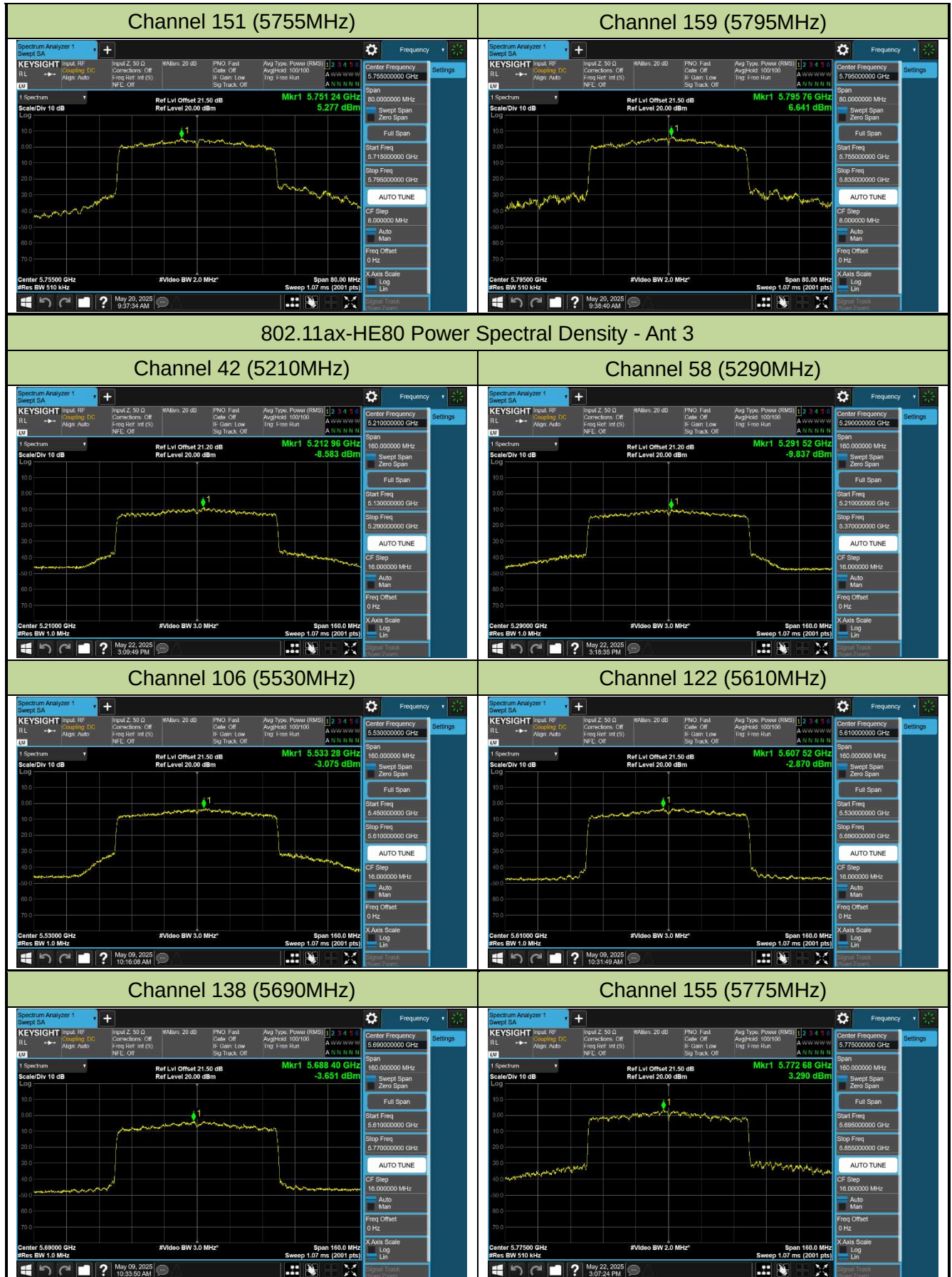


Channel 134 (5670MHz)



Channel 14 (5710MHz)





802.11ax-HE160 Power Spectral Density - Ant 3

Channel 50 (5250MHz)



Channel 114 (5570MHz)



7.7. Frequency Stability Measurement

7.7.1. Test Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7.7.2. Test Limit

Frequency Stability Under Temperature Variations:

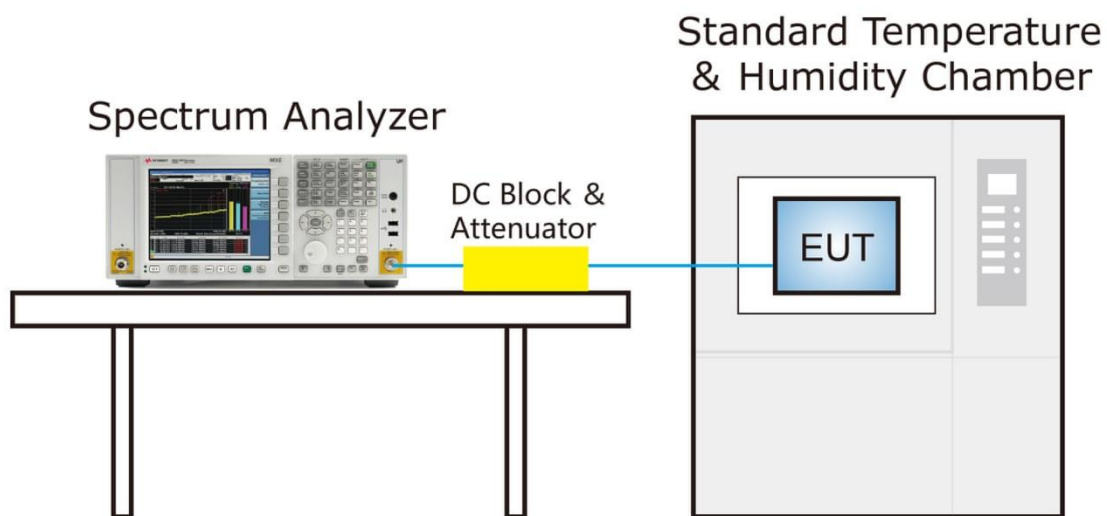
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

7.7.3. Test Setup



7.7.4. Test Result

Grantee ensure that the product meets e-CFR Title 47 section 15.407(g) and KDB 789033 D02v02r01 frequency stability such that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7.8. Radiated Spurious Emission Measurement

7.8.1. Test Limit

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [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

7.8.2. Test Procedure Used

KDB 789033 D02v02r01- Section G

7.8.3. Test Setting

Table 1 - RBW as a function of frequency

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

Quasi-Peak Measurements below 1GHz

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

Peak Measurements above 1GHz

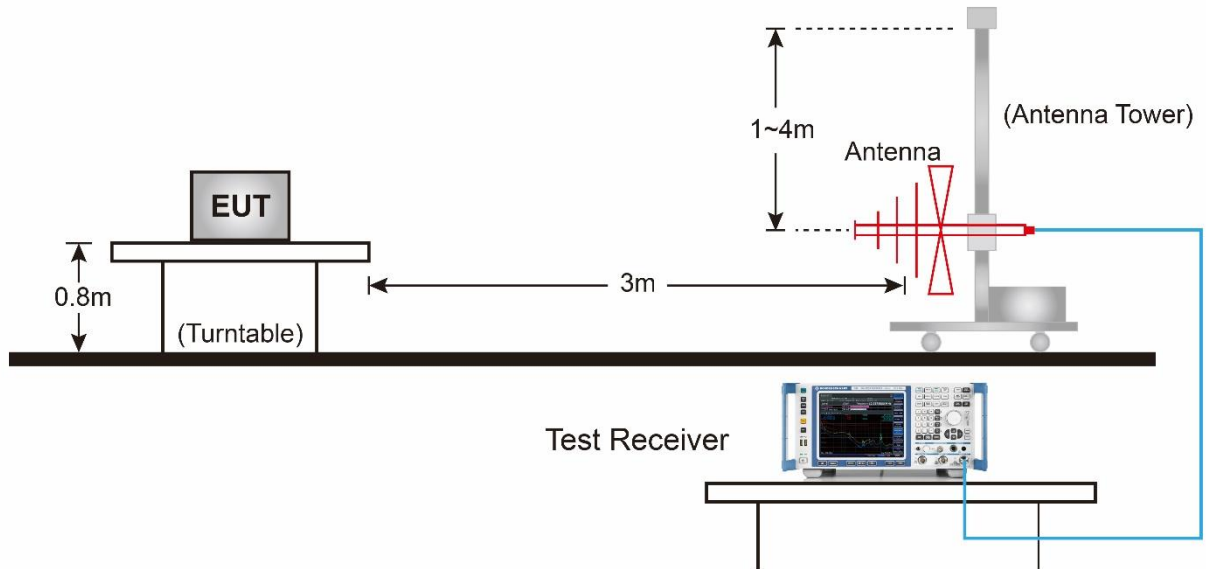
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

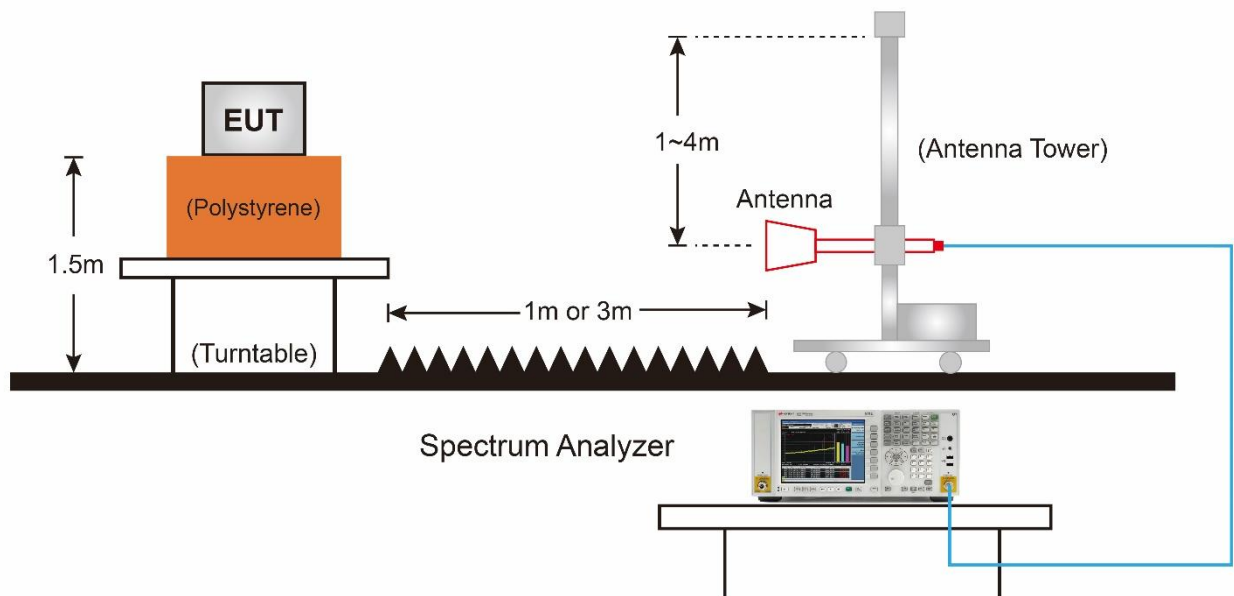
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

7.8.4. Test Setup

Below 1GHz Test Setup:

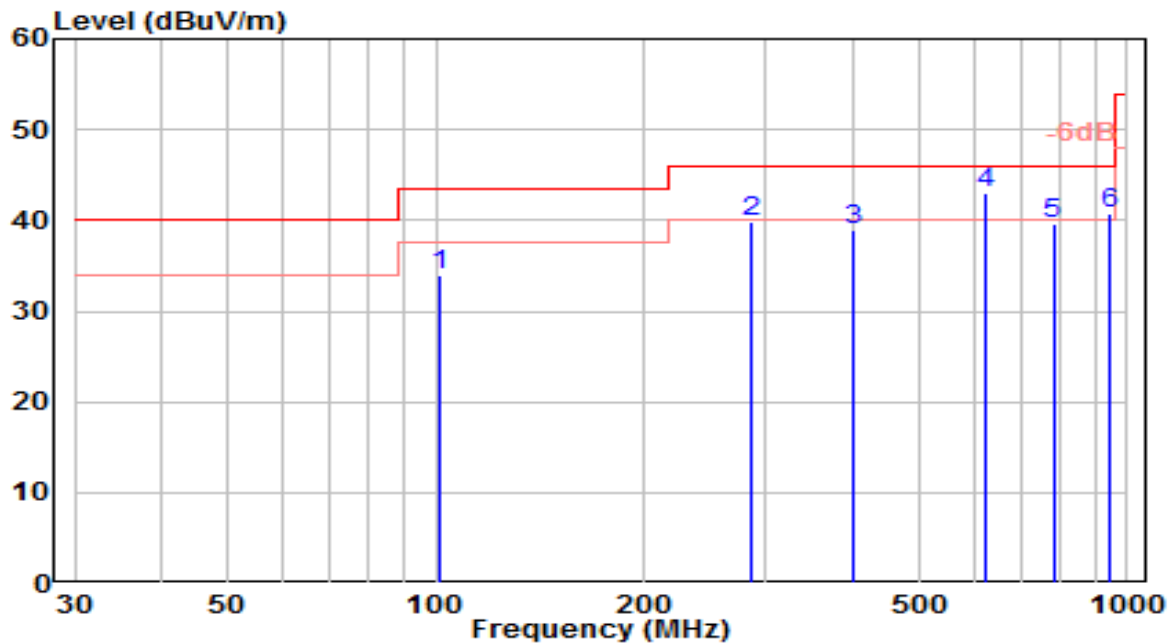


Above 1GHz Test Setup:



7.8.5.Test Result

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-04-09
Factor	VULB 9162	Temp. / Humidity	21°C /58%
Polarity	Horizontal	Site / Test Engineer	AC1 / Tim
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

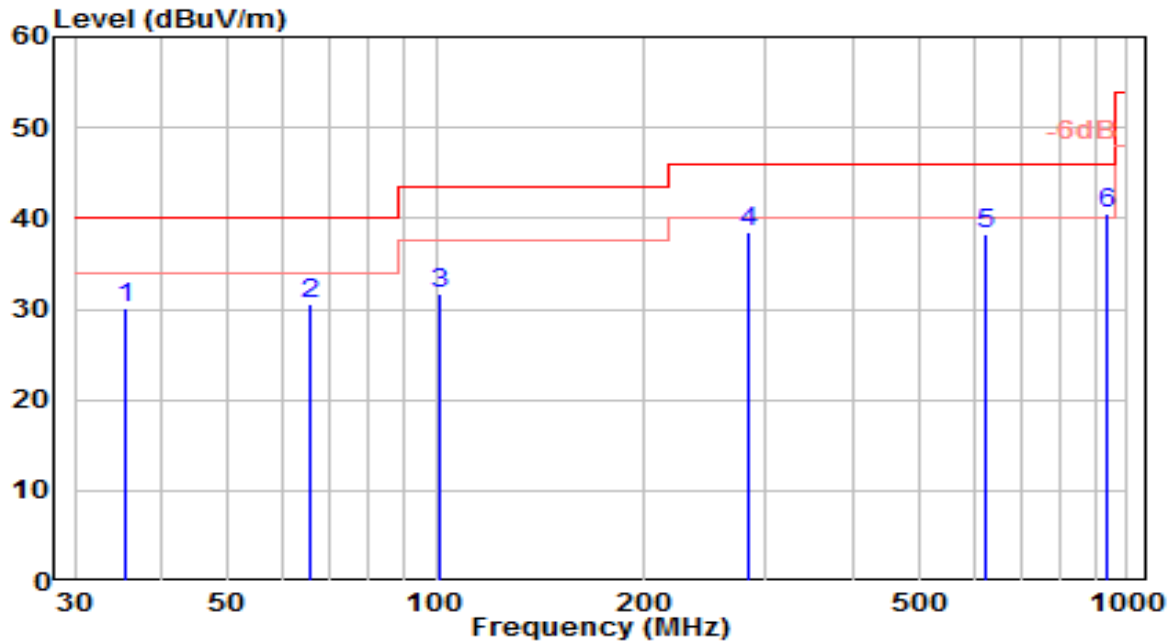


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	101.109	15.17	18.87	34.04	-9.46	43.50	150	260	QP
2	286.274	18.97	20.91	39.88	-6.12	46.00	100	295	QP
3	401.499	15.15	23.82	38.98	-7.02	46.00	100	350	QP
4	* 625.741	15.97	27.09	43.05	-2.95	46.00	150	230	QP
5	781.410	9.71	29.91	39.61	-6.39	46.00	100	50	QP
6	941.316	9.14	31.71	40.85	-5.15	46.00	150	320	QP

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-04-09
Factor	VULB 9162	Temp. / Humidity	21°C /58%
Polarity	Vertical	Site / Test Engineer	AC1 / Tim
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

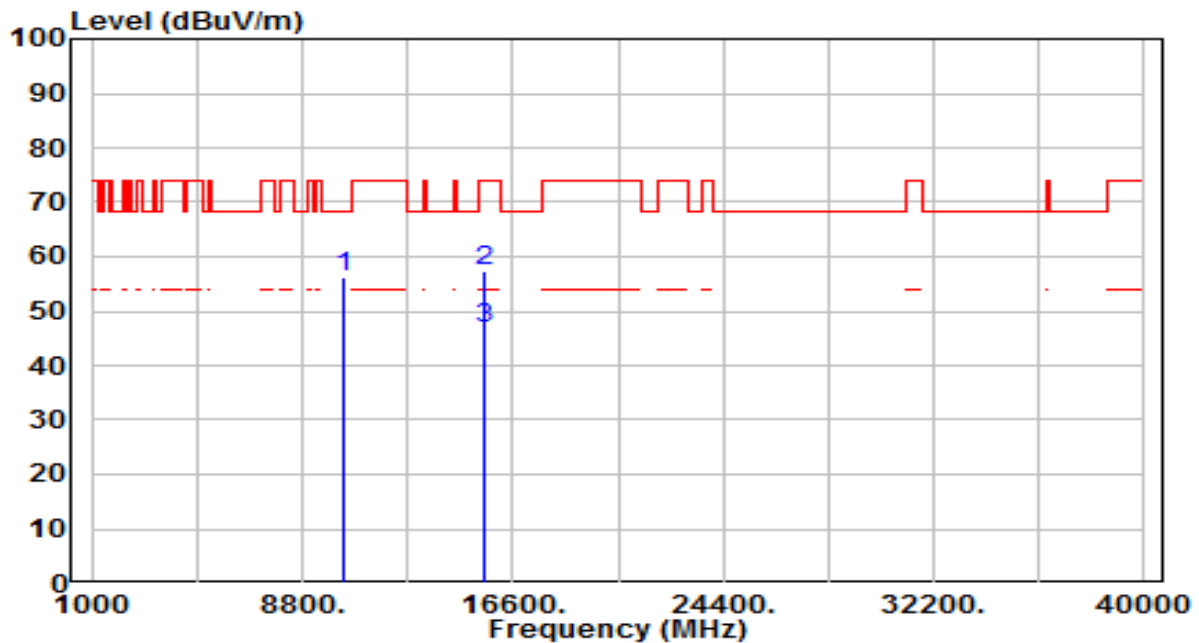


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	35.674	11.64	18.52	30.15	-9.85	40.00	100	185	QP
2	65.558	12.61	17.88	30.49	-9.51	40.00	100	210	QP
3	100.936	12.88	18.88	31.76	-11.74	43.50	100	150	QP
4	283.321	17.74	20.81	38.55	-7.45	46.00	150	40	QP
5	624.345	11.08	27.11	38.19	-7.81	46.00	100	125	QP
6	* 938.219	8.83	31.71	40.54	-5.46	46.00	100	305	QP

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

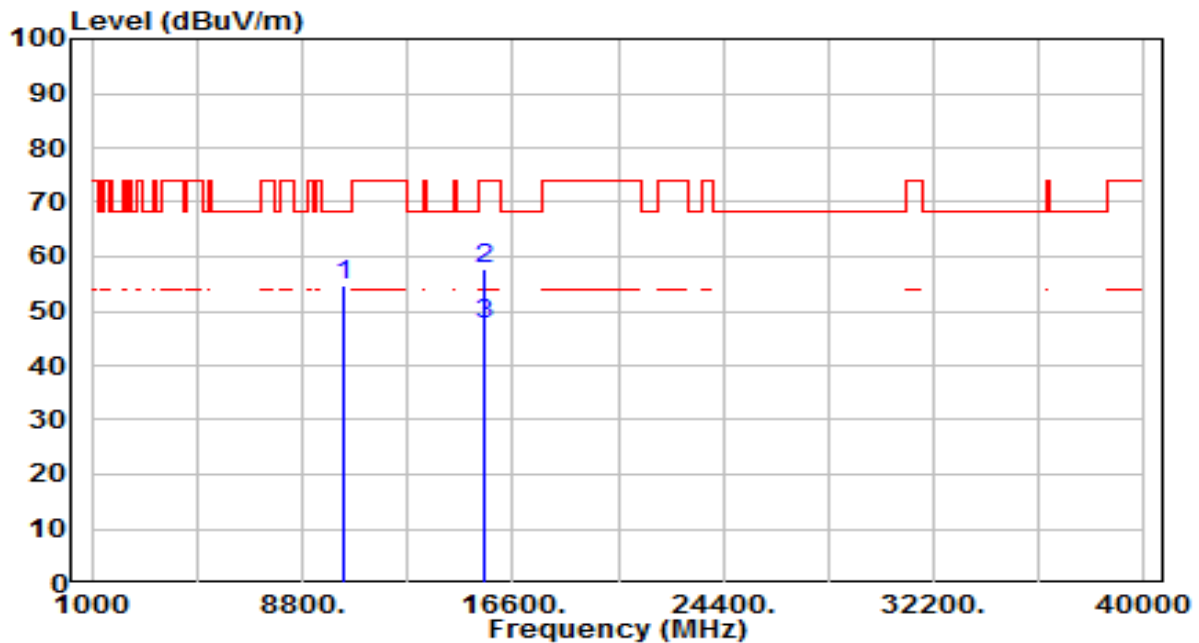


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	37.27	18.96	56.23	-11.97	68.20	200	113	Peak
2		15540.000	35.09	22.22	57.31	-16.69	74.00	200	324	Peak
3	*	15540.000	24.60	22.22	46.82	-7.18	54.00	200	324	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

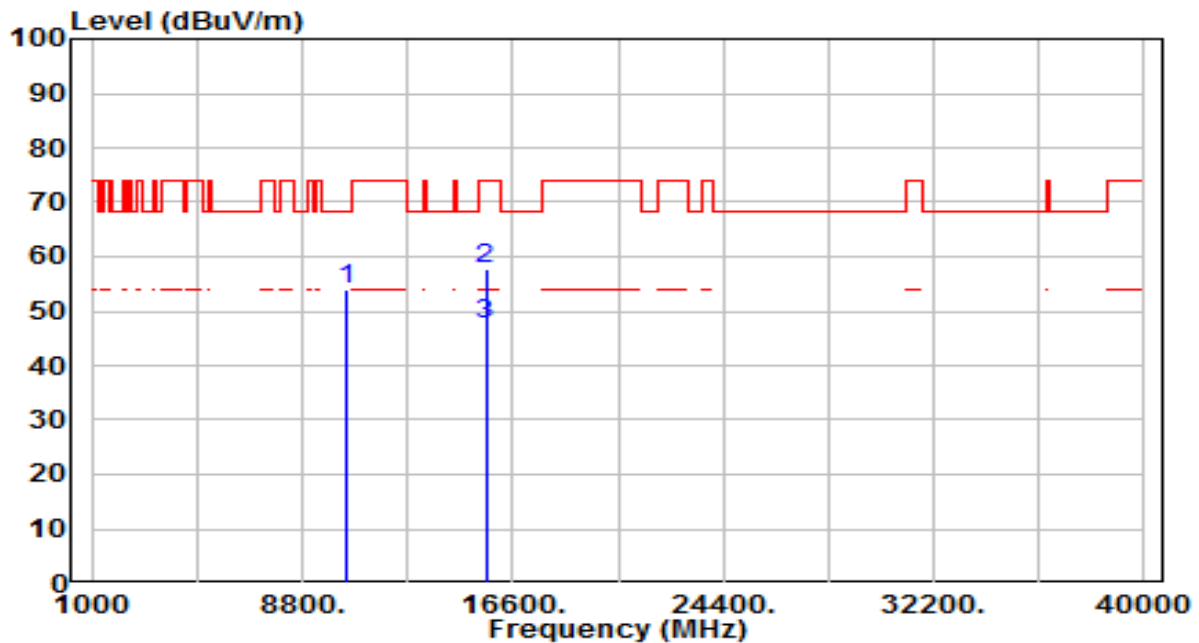


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	35.71	18.96	54.68	-13.52	68.20	200	102	Peak
2		15540.000	35.65	22.22	57.86	-16.14	74.00	200	263	Peak
3	*	15540.000	25.20	22.22	47.42	-6.58	54.00	200	263	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 40_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

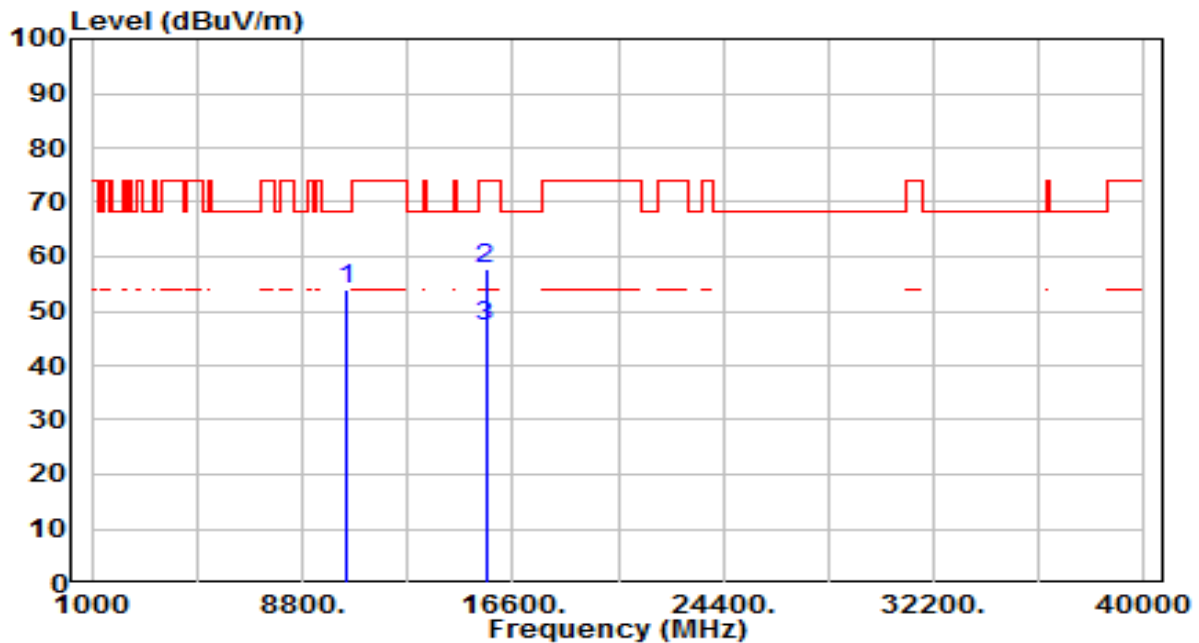


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10400.000	34.90	19.14	54.05	-14.15	68.20	200	125	Peak
2		15600.000	35.79	22.07	57.86	-16.14	74.00	200	49	Peak
3	*	15600.000	25.30	22.07	47.37	-6.63	54.00	200	49	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 40_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

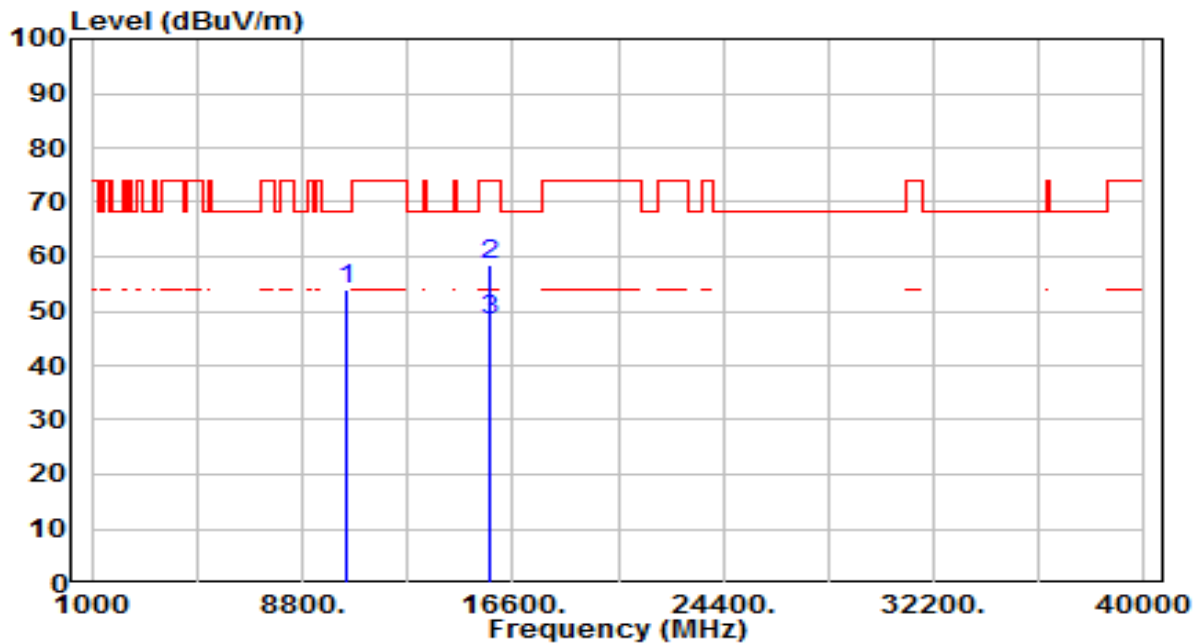


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10400.000	34.84	19.14	53.98	-14.22	68.20	200	276	Peak
2		15600.000	35.56	22.07	57.63	-16.37	74.00	200	232	Peak
3	*	15600.000	25.10	22.07	47.17	-6.83	54.00	200	232	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 48_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

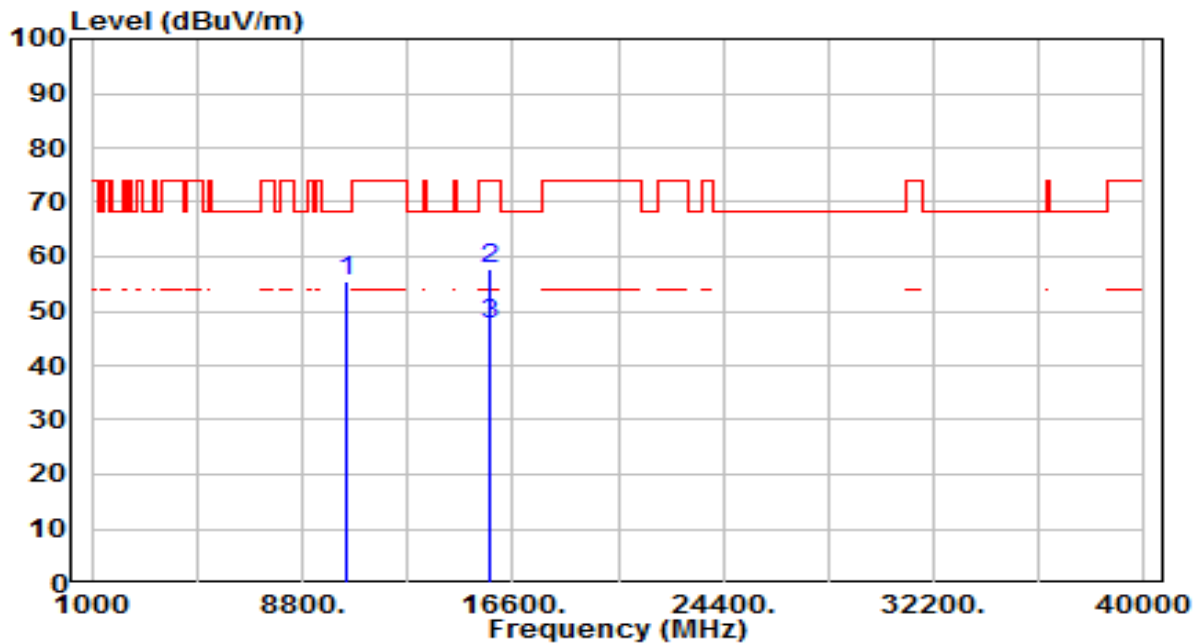


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	34.28	19.51	53.80	-14.40	68.20	200	114	Peak
2		15720.000	36.75	21.86	58.61	-15.39	74.00	200	287	Peak
3	*	15720.000	26.30	21.86	48.16	-5.84	54.00	200	287	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 48_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

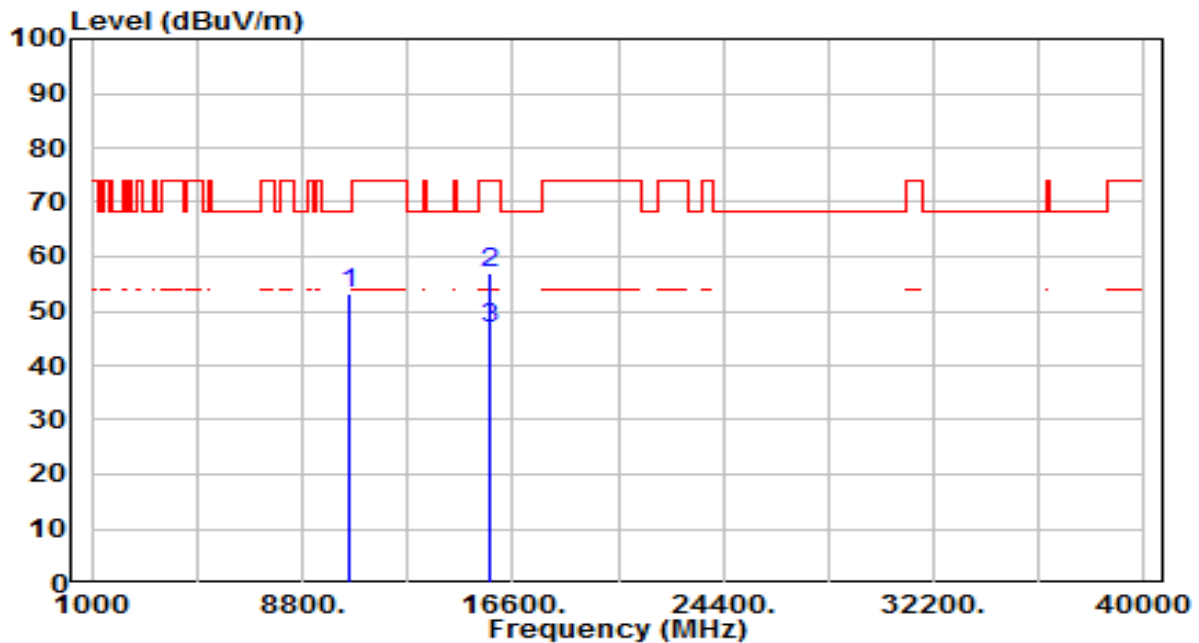


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	36.05	19.51	55.56	-12.64	68.20	200	263	Peak
2		15720.000	36.00	21.86	57.86	-16.14	74.00	200	220	Peak
3	*	15720.000	25.50	21.86	47.36	-6.64	54.00	200	220	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 52_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

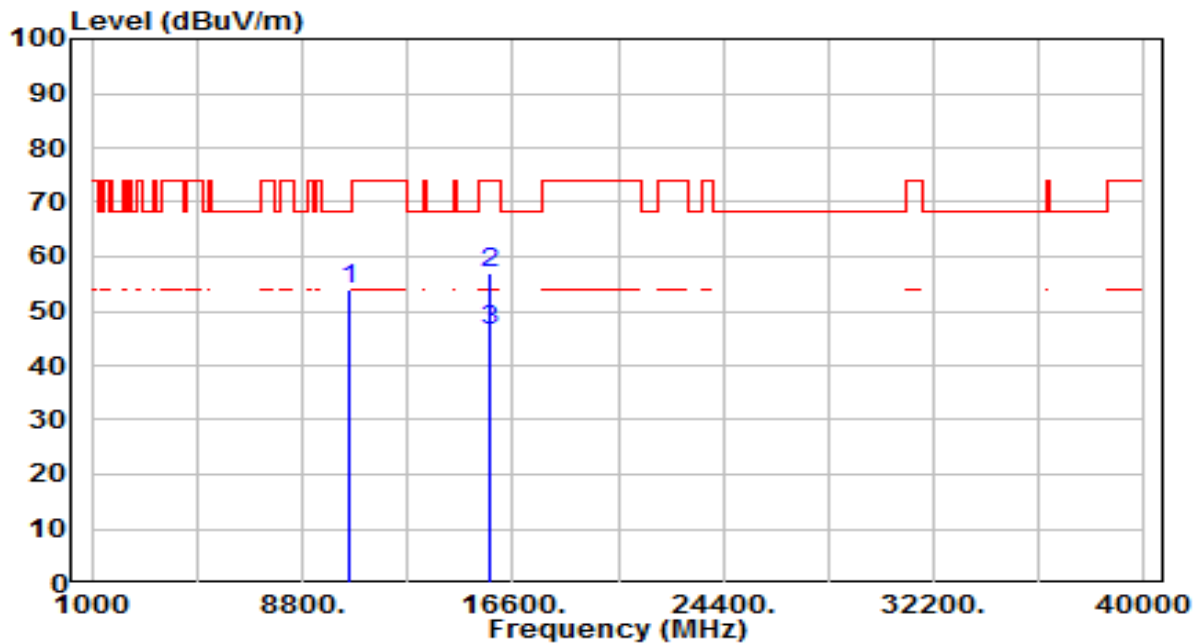


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	33.45	19.64	53.09	-15.11	68.20	200	46	Peak
2		15780.000	35.36	21.72	57.08	-16.92	74.00	200	316	Peak
3	*	15780.000	25.00	21.72	46.72	-7.28	54.00	200	316	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 52_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

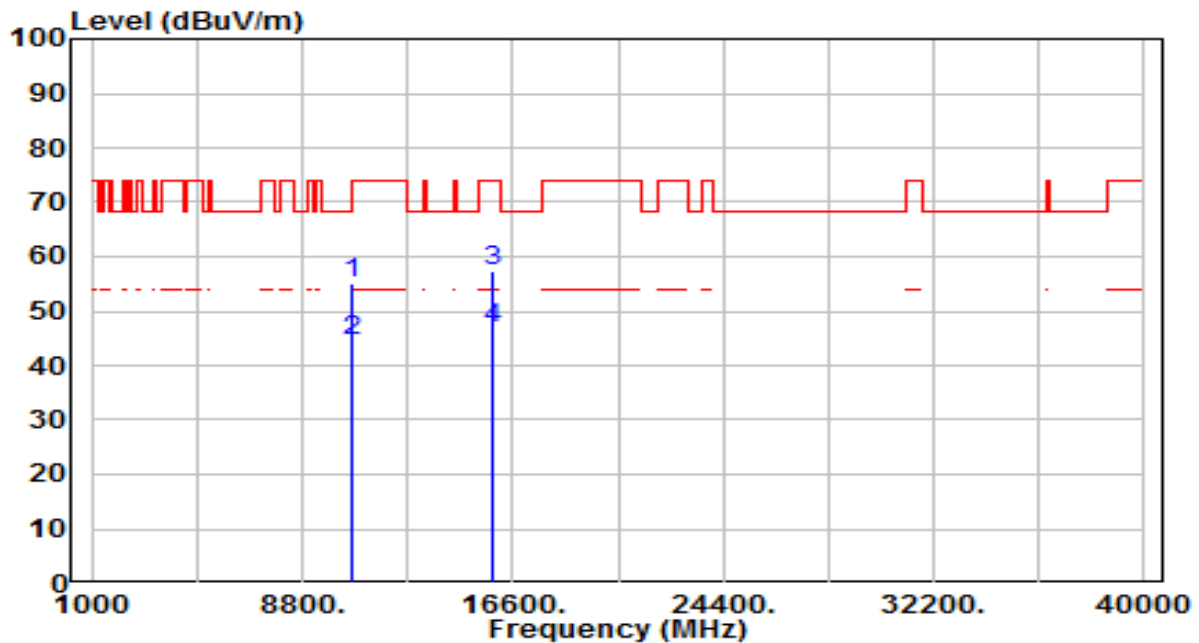


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	34.21	19.64	53.85	-14.35	68.20	200	149	Peak
2		15780.000	35.26	21.72	56.98	-17.02	74.00	200	73	Peak
3	*	15780.000	24.80	21.72	46.52	-7.48	54.00	200	73	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 60_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

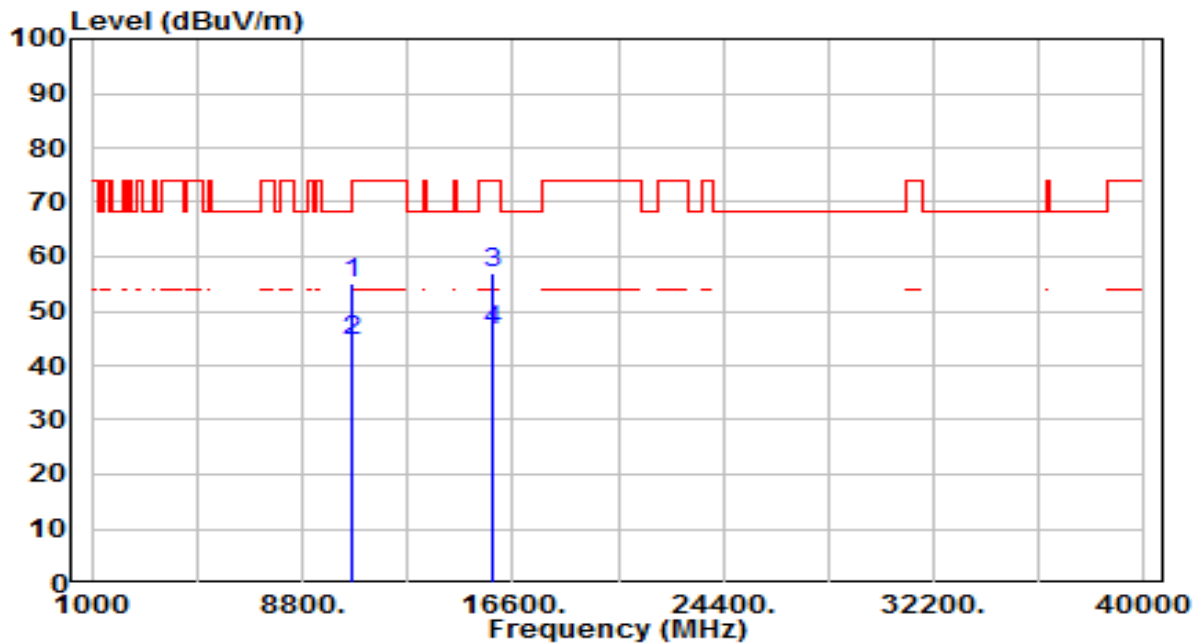


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	35.29	19.78	55.07	-13.13	68.20	200	63	Peak
2		10600.000	24.80	19.78	44.58	-9.42	54.00	200	63	Average
3		15900.000	35.67	21.59	57.26	-16.74	74.00	200	27	Peak
4	*	15900.000	25.30	21.59	46.89	-7.11	54.00	200	27	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 60_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

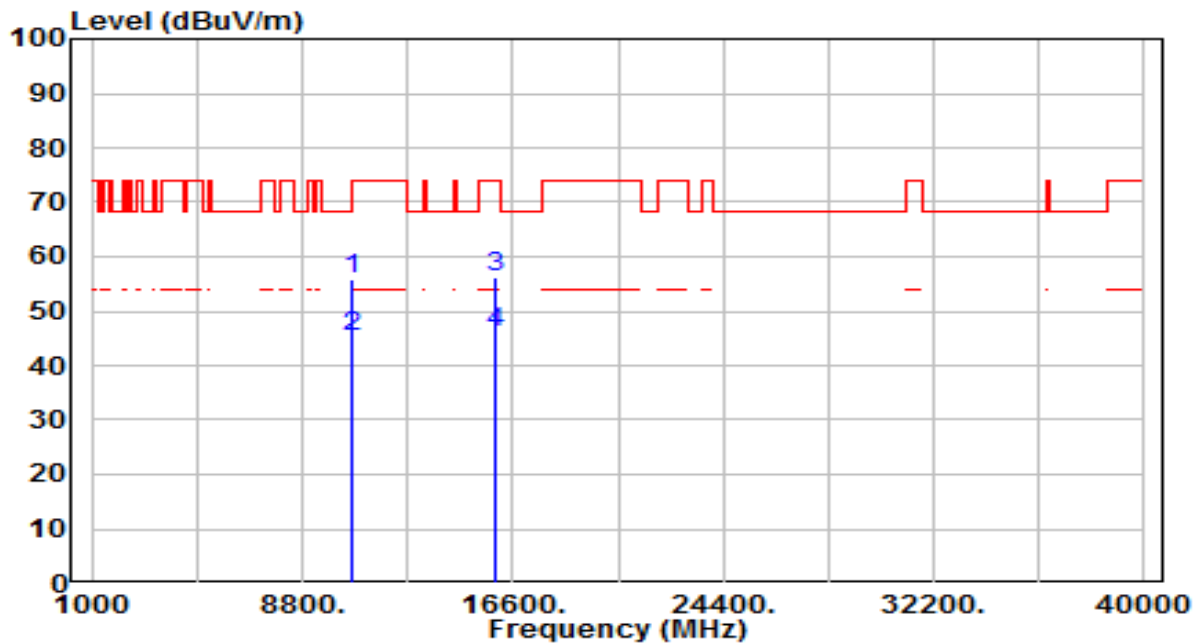


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	35.20	19.78	54.97	-13.23	68.20	200	301	Peak
2		10600.000	24.80	19.78	44.58	-9.42	54.00	200	301	Average
3		15900.000	35.40	21.59	56.98	-17.02	74.00	200	213	Peak
4	*	15900.000	25.00	21.59	46.59	-7.41	54.00	200	213	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

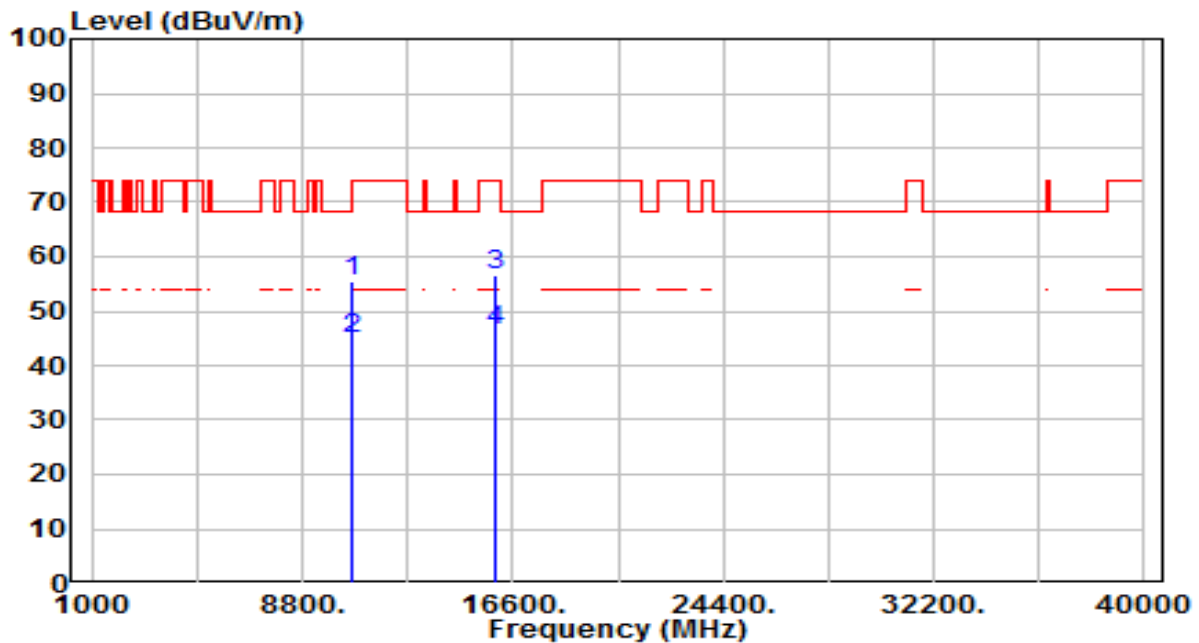


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	36.05	19.86	55.91	-18.09	74.00	200	347	Peak
2		10640.000	25.60	19.86	45.46	-8.54	54.00	200	347	Average
3	*	15960.000	34.96	21.43	56.39	-17.61	74.00	200	246	Peak
4	*	15960.000	24.50	21.43	45.93	-8.07	54.00	200	246	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

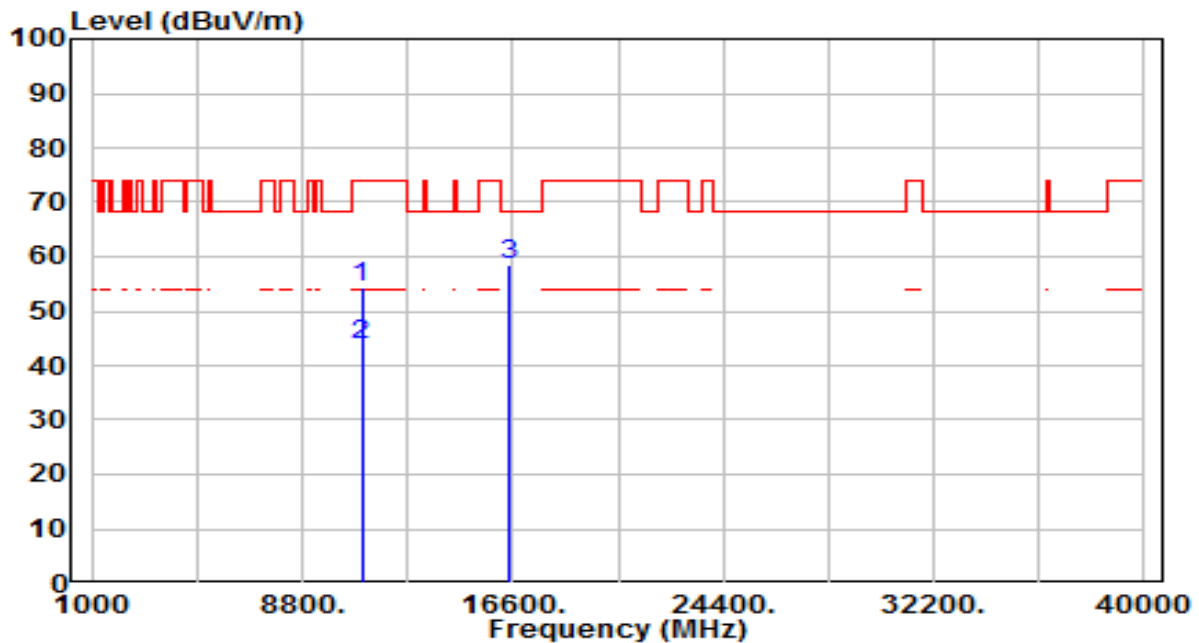


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	35.54	19.86	55.39	-18.61	74.00	200	252	Peak
2		10640.000	25.10	19.86	44.96	-9.04	54.00	200	252	Average
3	*	15960.000	35.29	21.43	56.72	-17.28	74.00	200	316	Peak
4	*	15960.000	24.80	21.43	46.23	-7.77	54.00	200	316	Average

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

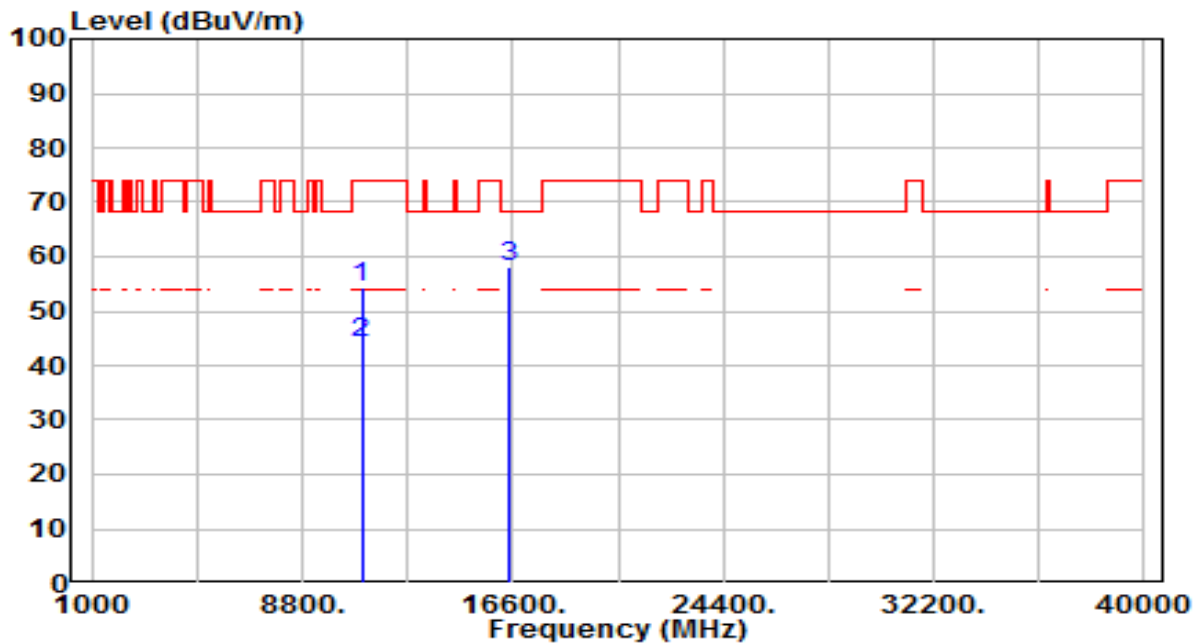


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	33.87	20.44	54.31	-19.69	74.00	200	301	Peak
2	*	11000.000	23.40	20.44	43.84	-10.16	54.00	200	301	Average
3	*	16500.000	35.54	22.94	58.47	-9.73	68.20	200	321	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

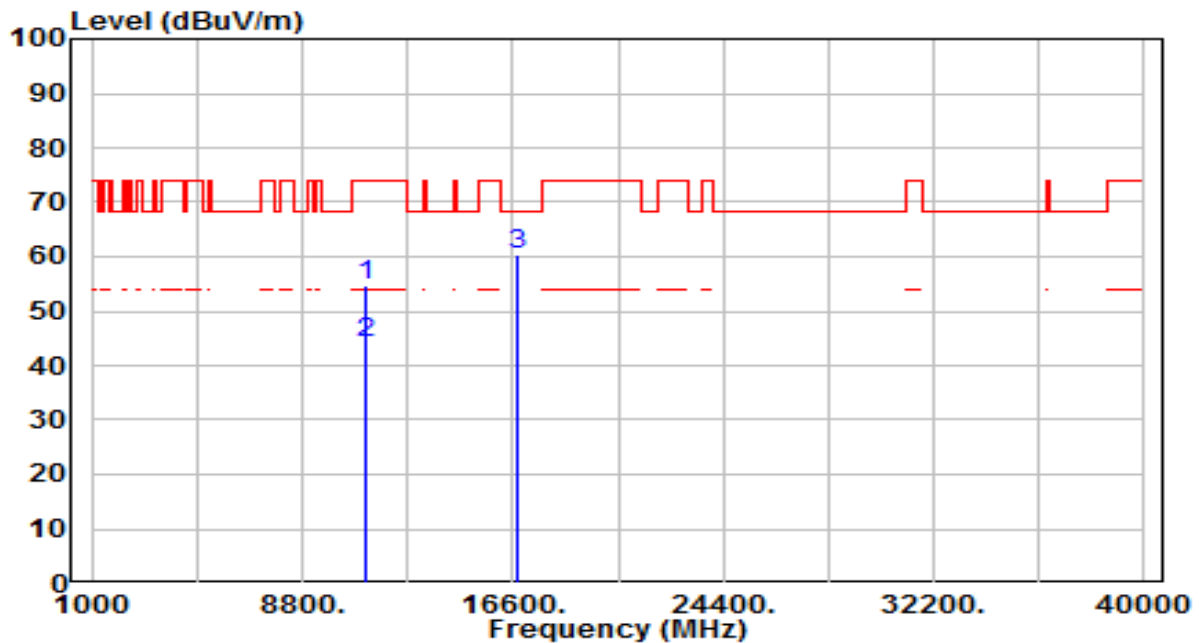


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	34.08	20.44	54.52	-19.48	74.00	200	184	Peak
2	*	11000.000	23.60	20.44	44.04	-9.96	54.00	200	184	Average
3	*	16500.000	35.16	22.94	58.10	-10.10	68.20	200	360	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 116_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

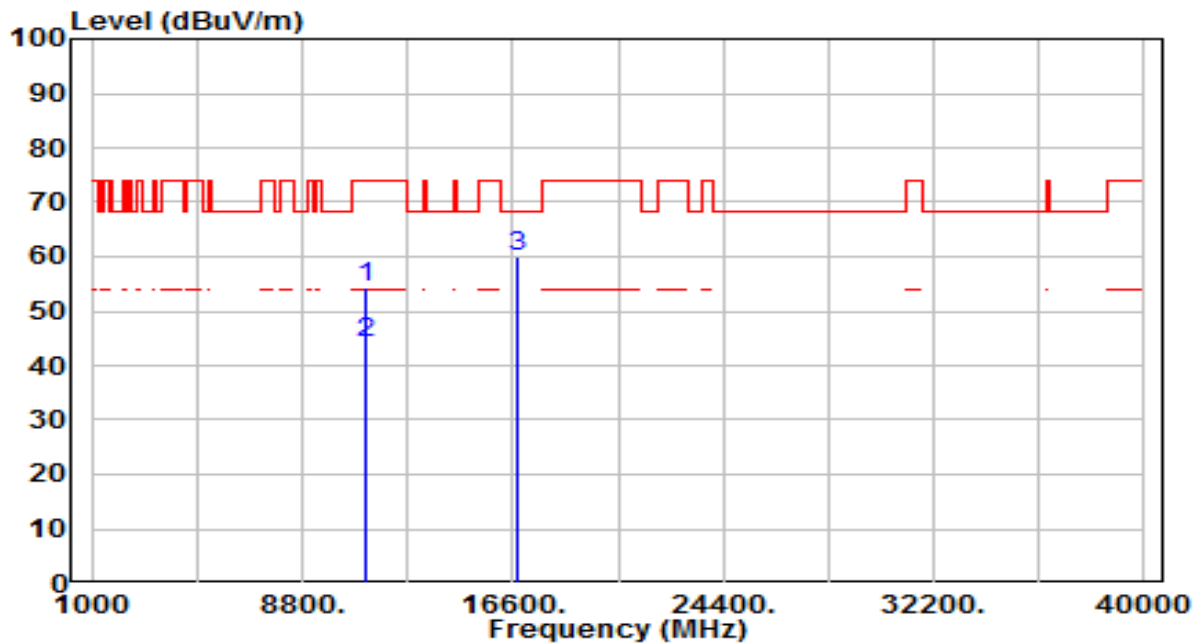


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	33.85	20.81	54.66	-19.34	74.00	200	223	Peak
2	*	11160.000	23.50	20.81	44.31	-9.69	54.00	200	223	Average
3	*	16740.000	35.72	24.51	60.23	-7.97	68.20	200	360	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 116_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

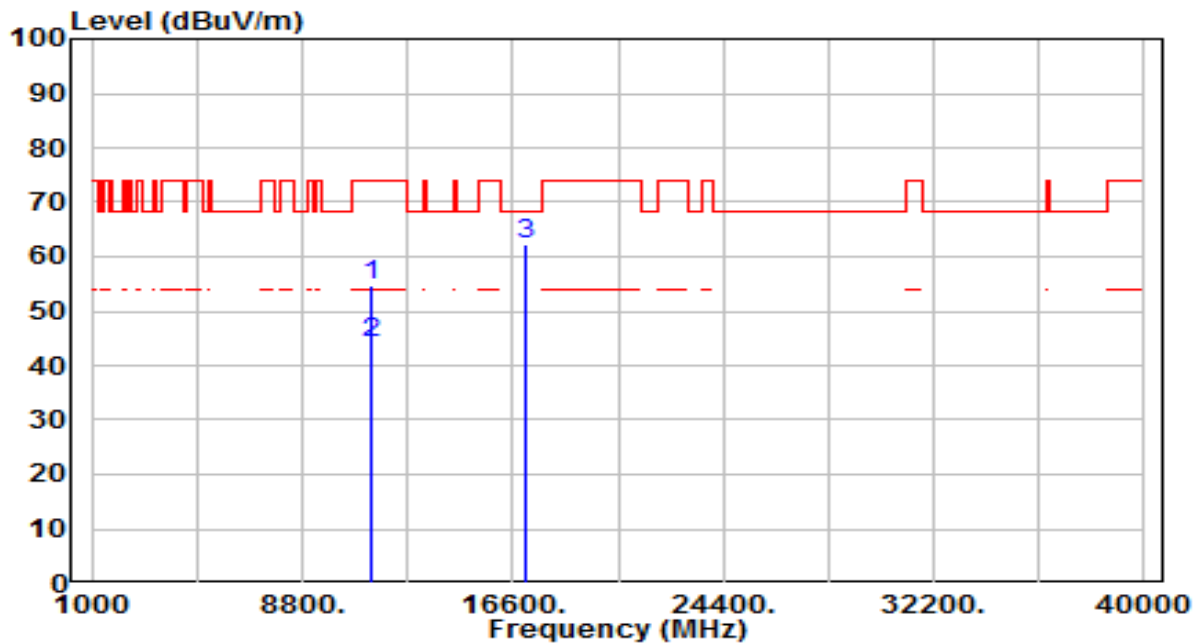


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	33.67	20.81	54.48	-19.52	74.00	200	206	Peak
2	*	11160.000	23.30	20.81	44.11	-9.89	54.00	200	206	Average
3	*	16740.000	35.50	24.51	60.01	-8.19	68.20	200	199	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 140_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

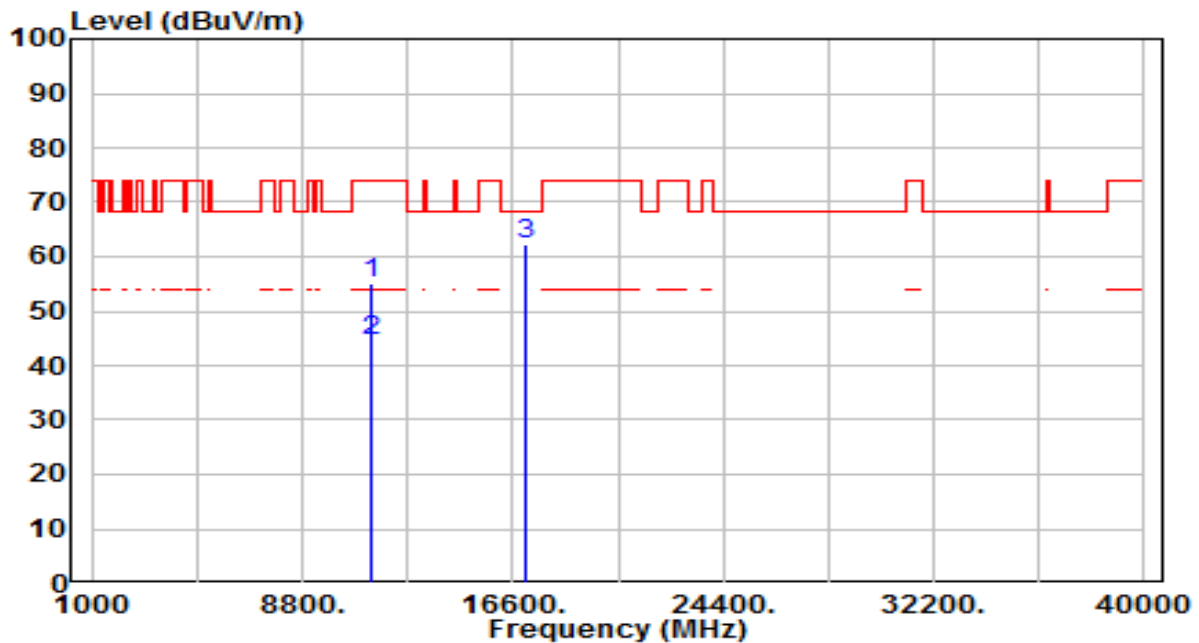


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	33.39	21.31	54.71	-19.29	74.00	200	80	Peak
2	*	11400.000	23.00	21.31	44.31	-9.69	54.00	200	80	Average
3	*	17100.000	35.14	26.98	62.12	-6.08	68.20	200	213	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 140_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

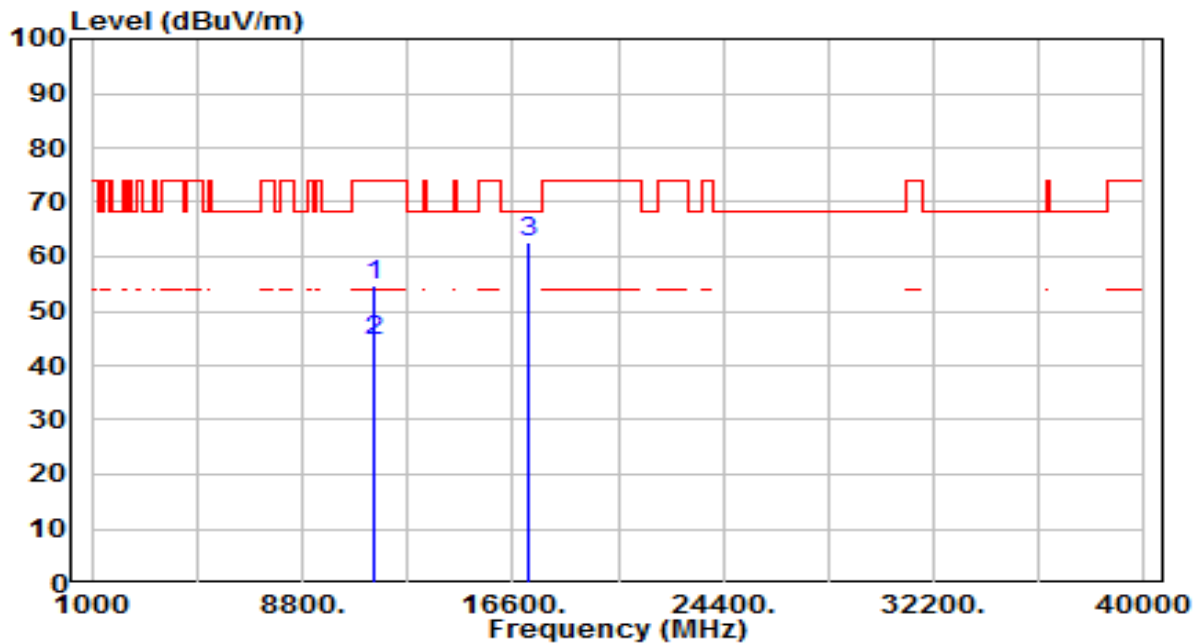


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	33.70	21.31	55.02	-18.98	74.00	200	36	Peak
2	*	11400.000	23.40	21.31	44.71	-9.29	54.00	200	36	Average
3	*	17100.000	35.40	26.98	62.38	-5.82	68.20	200	294	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 144_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

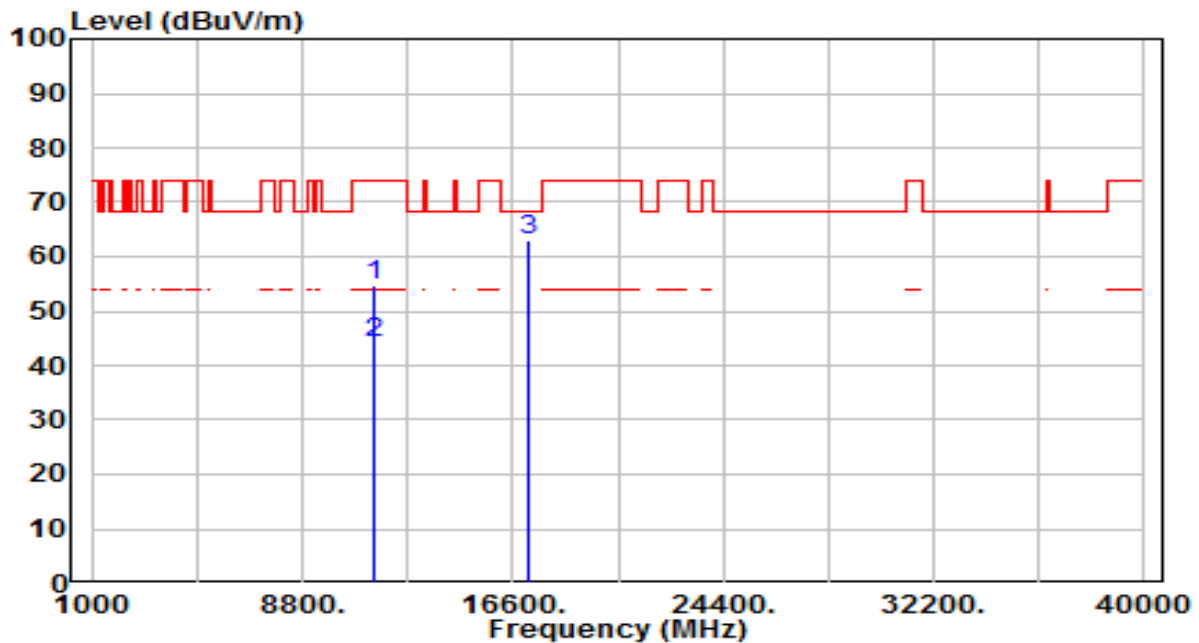


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	33.34	21.38	54.72	-19.28	74.00	200	182	Peak
2	*	11440.000	23.00	21.38	44.38	-9.62	54.00	200	182	Average
3	*	17160.000	35.07	27.44	62.51	-5.69	68.20	200	26	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 144_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

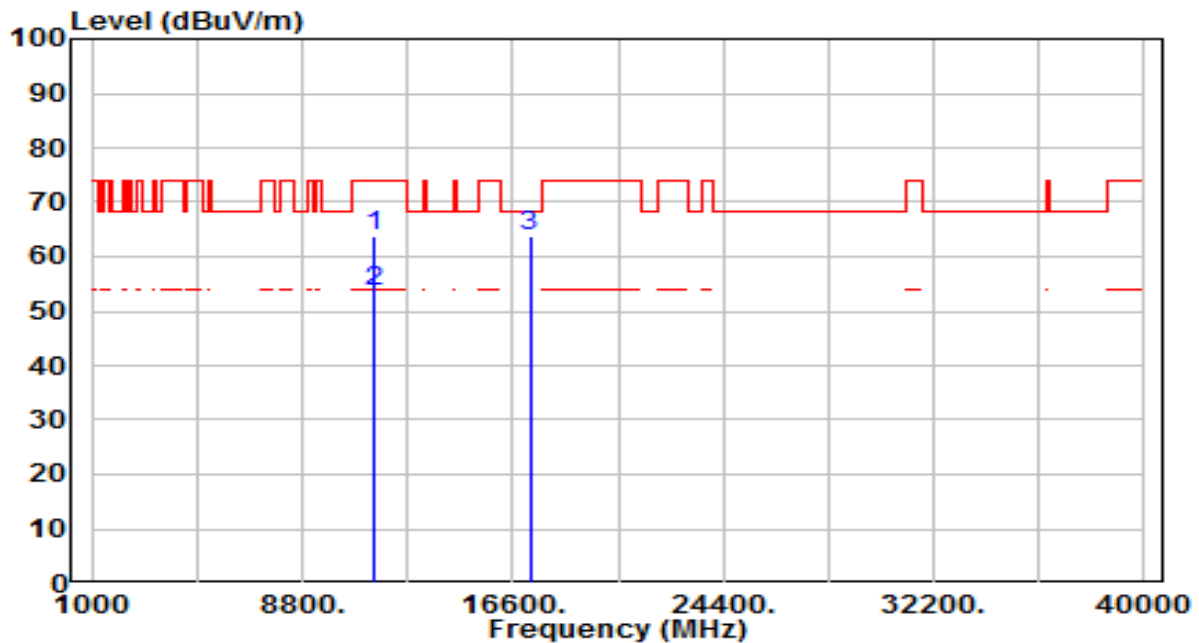


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	33.27	21.38	54.65	-19.35	74.00	200	111	Peak
2	*	11440.000	22.80	21.38	44.18	-9.82	54.00	200	111	Average
3	*	17160.000	35.69	27.44	63.13	-5.07	68.20	200	345	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

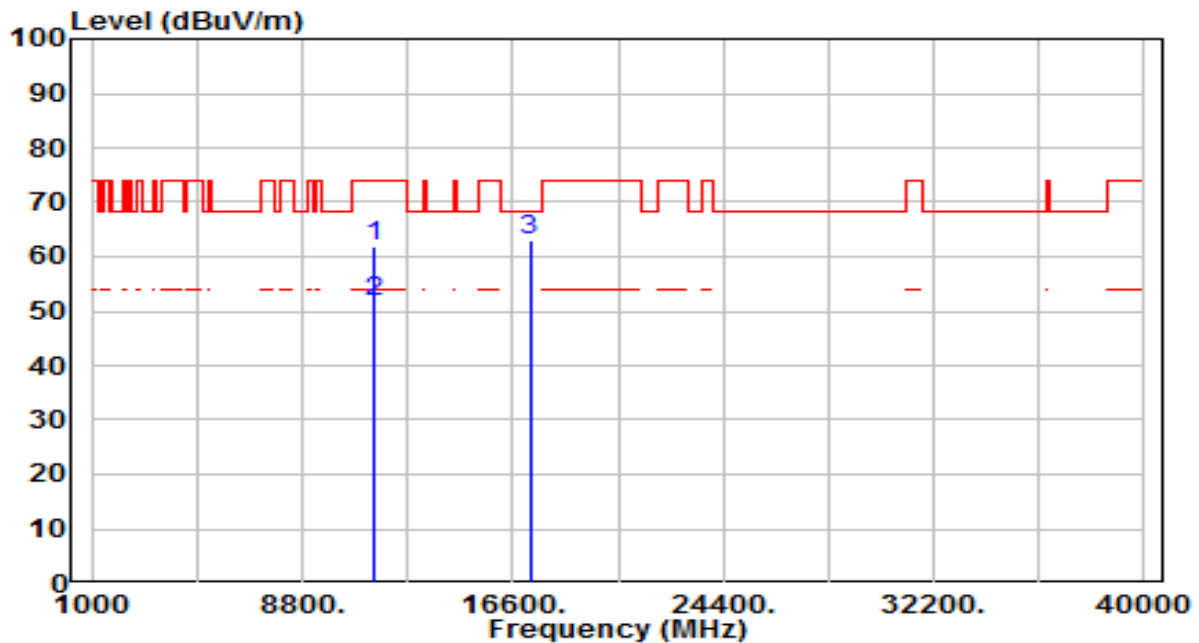


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	42.44	21.46	63.91	-10.09	74.00	200	267	Peak
2	*	11490.000	32.00	21.46	53.46	-0.54	54.00	200	267	Average
3	*	17235.000	35.59	28.05	63.64	-4.56	68.20	200	296	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

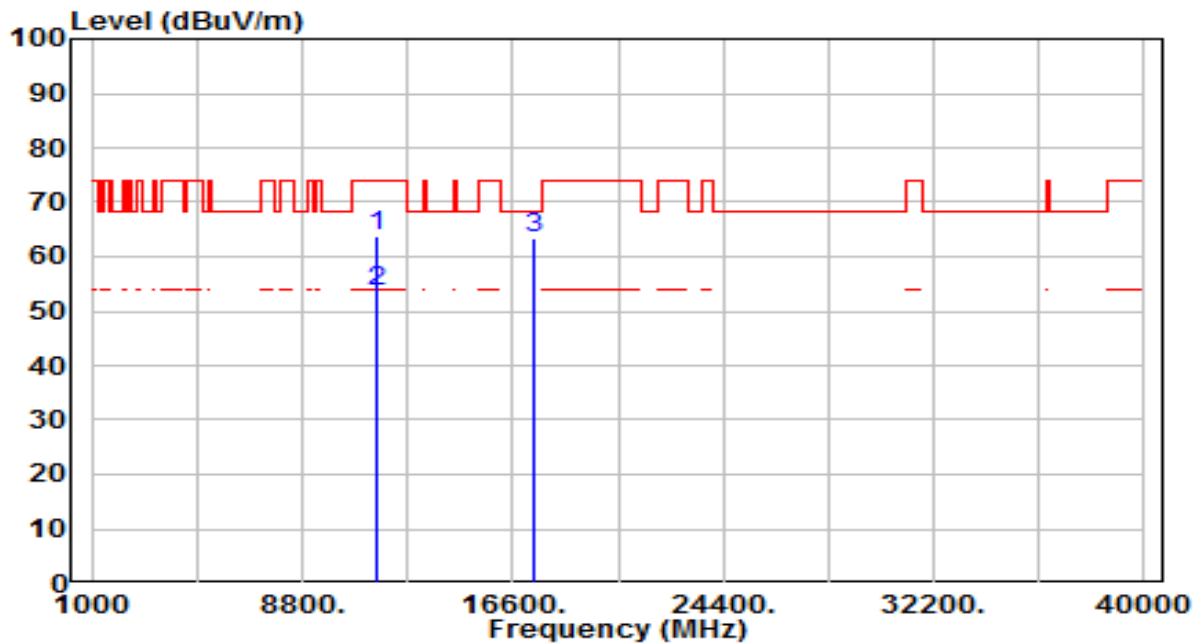


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	40.55	21.46	62.01	-11.99	74.00	200	293	Peak
2	*	11490.000	30.10	21.46	51.56	-2.44	54.00	200	293	Average
3	*	17235.000	34.96	28.05	63.01	-5.19	68.20	200	82	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 157_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz

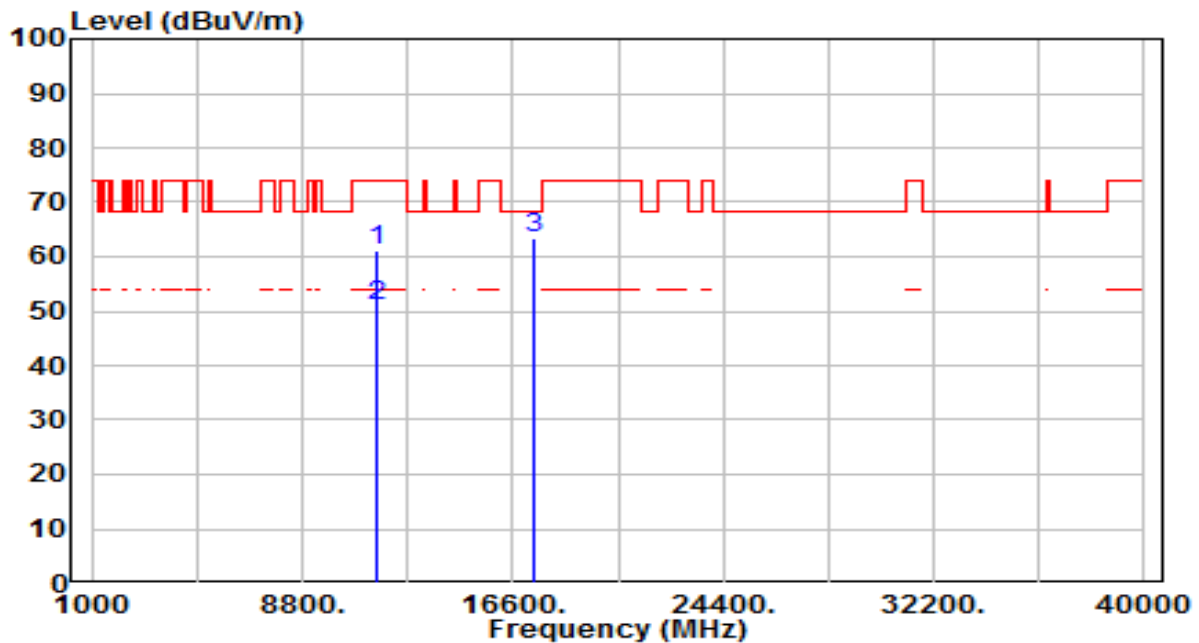


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	42.60	21.34	63.94	-10.06	74.00	200	285	Peak
2	*	11570.000	32.10	21.34	53.44	-0.56	54.00	200	285	Average
3	*	17355.000	34.52	29.00	63.52	-4.68	68.20	200	131	Peak

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-05-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	25°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 157_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	39.93	21.34	61.27	-12.73	74.00	200	137	Peak
2	*	11570.000	29.50	21.34	50.84	-3.16	54.00	200	137	Average
3	*	17355.000	34.50	29.00	63.51	-4.69	68.20	200	252	Peak

Note:

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