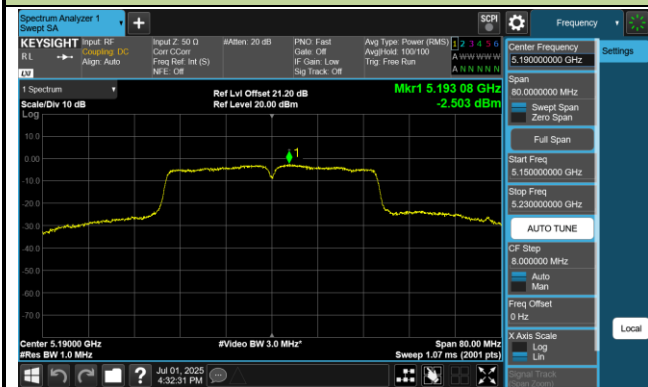
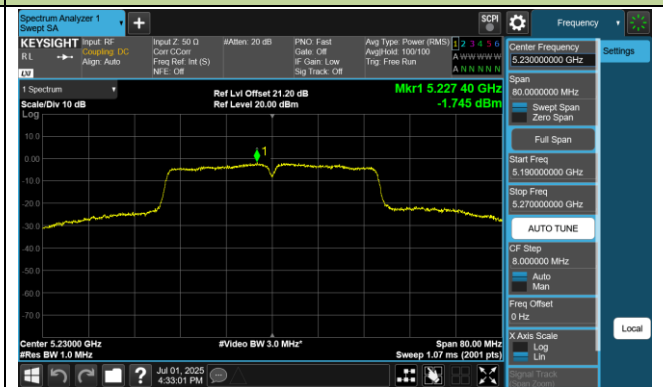


802.11ac-VHT40 Power Spectral Density - Ant 0

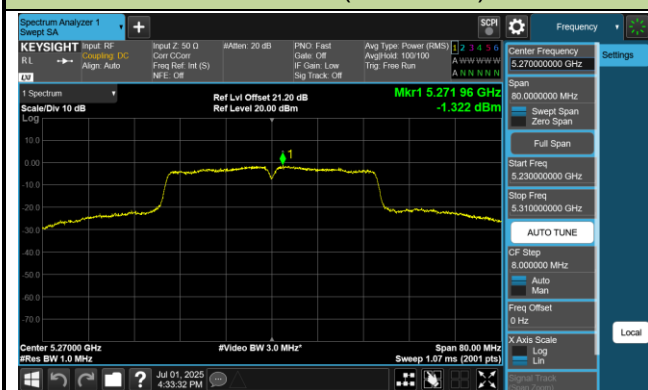
Channel 38 (5190MHz)



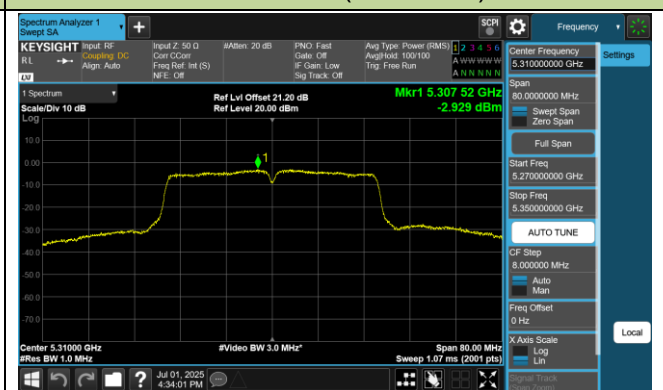
Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



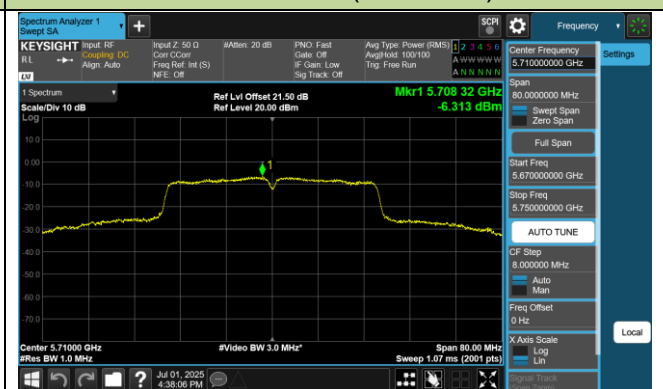
Channel 110 (5550MHz)

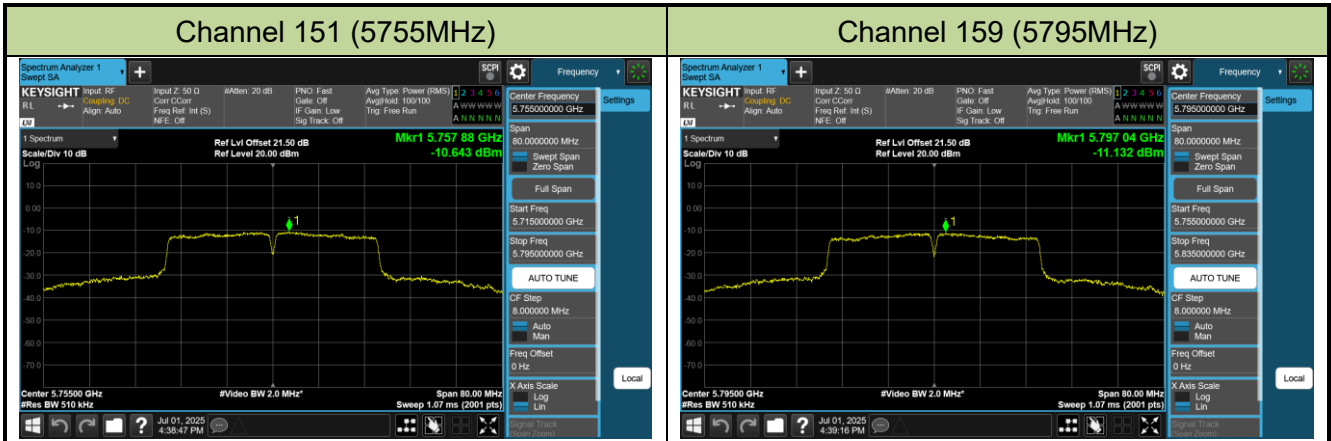


Channel 134 (5670MHz)



Channel 142 (5710MHz)





7.7. Radiated Spurious Emission Measurement

7.7.1. 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 [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.2. Test Procedure Used

KDB 789033 D02v02r01 – Section G

7.7.3. Test Setting

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

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 = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

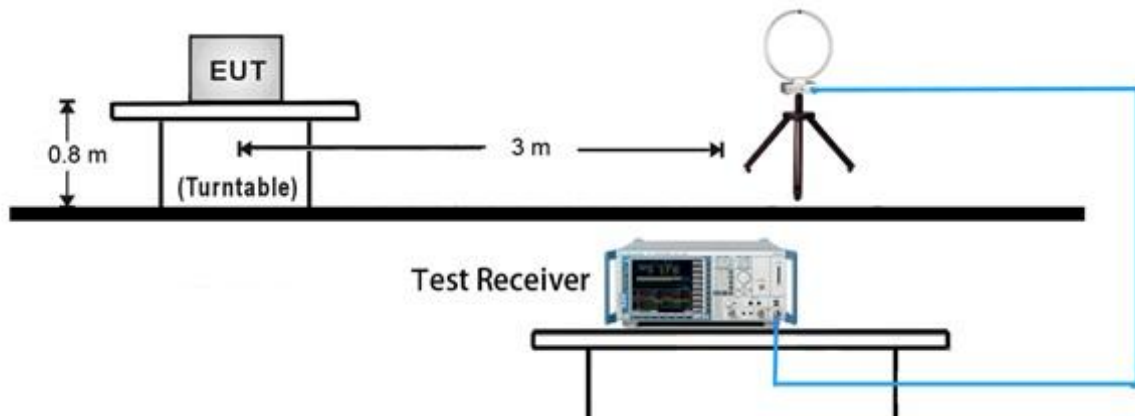
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span/RBW}$)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

Quasi-Peak & Average Measurements below 30MHz

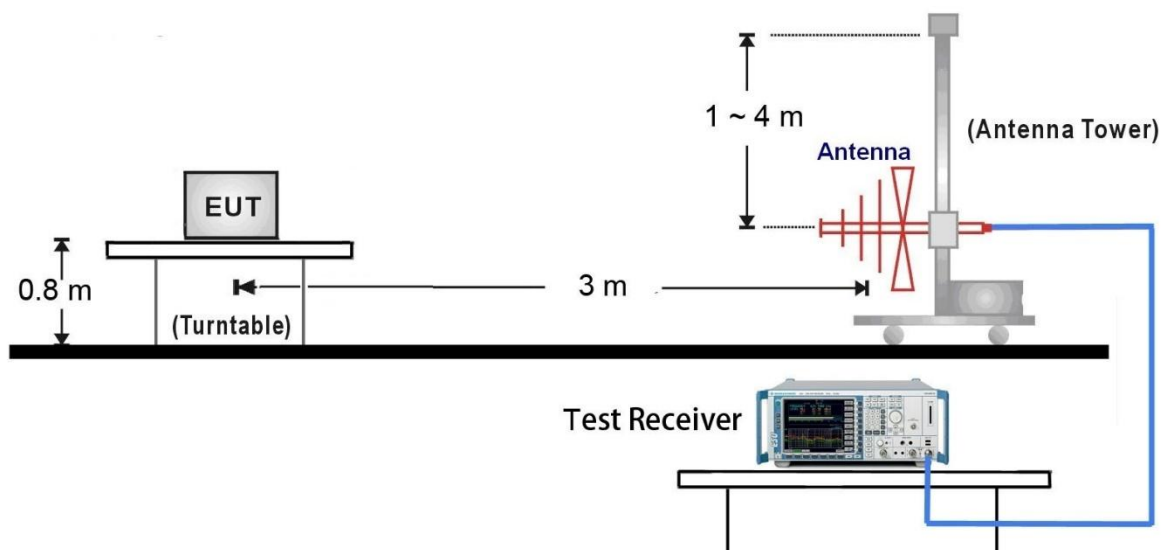
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

7.7.4. Test Setup

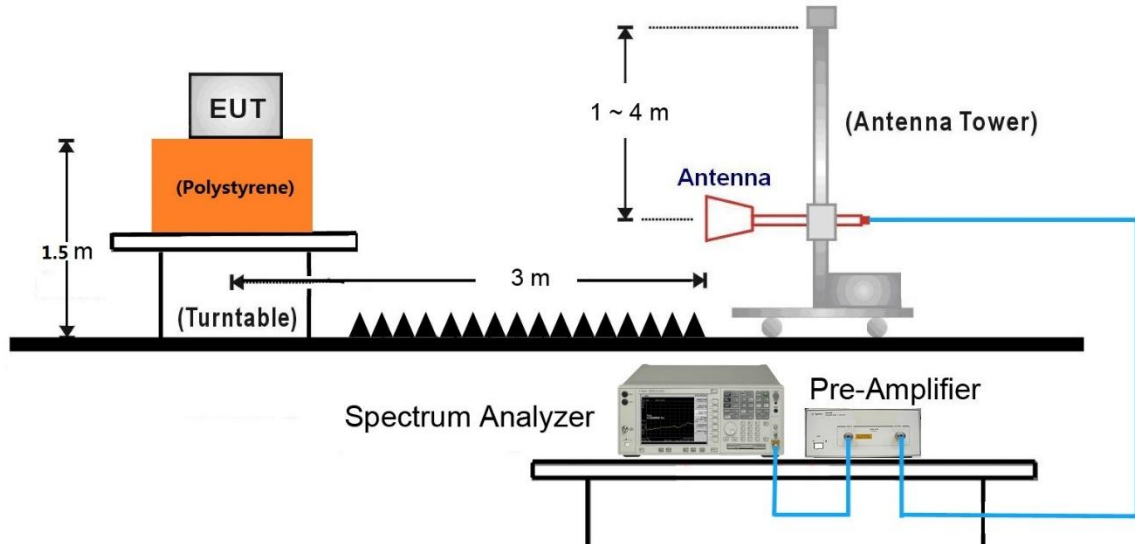
9kHz ~ 30MHz Test Setup:



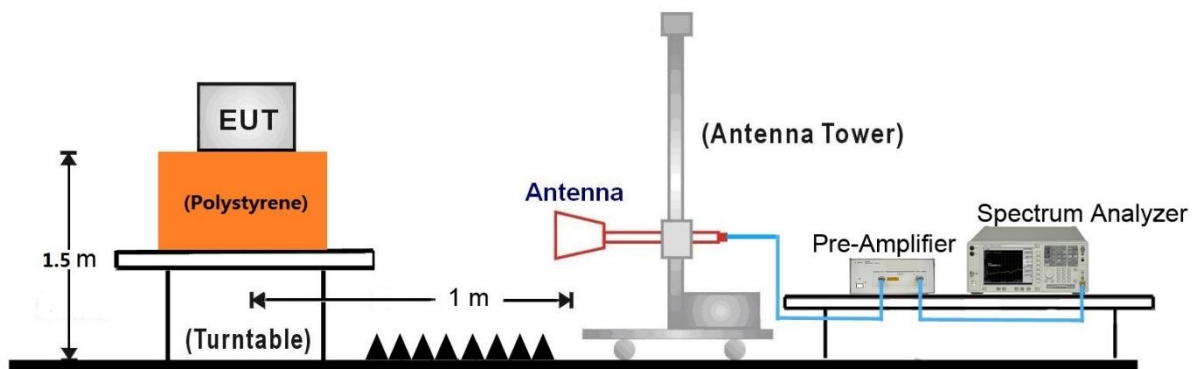
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:

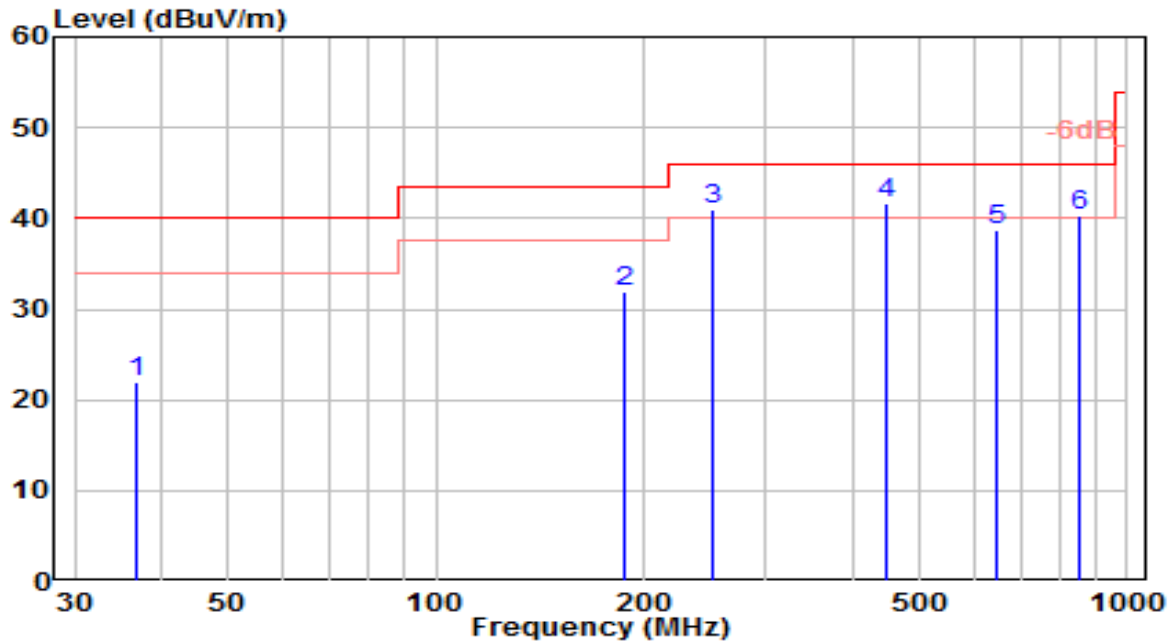


18GHz ~40GHz Test Setup:



7.7.5. Test Result

EUT	Smart Controller	Date of Test	2025-06-04
Factor	VULB 9162	Temp. / Humidity	23°C /59%
Polarity	Horizontal	Site / Test Engineer	AC1 / Tim
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

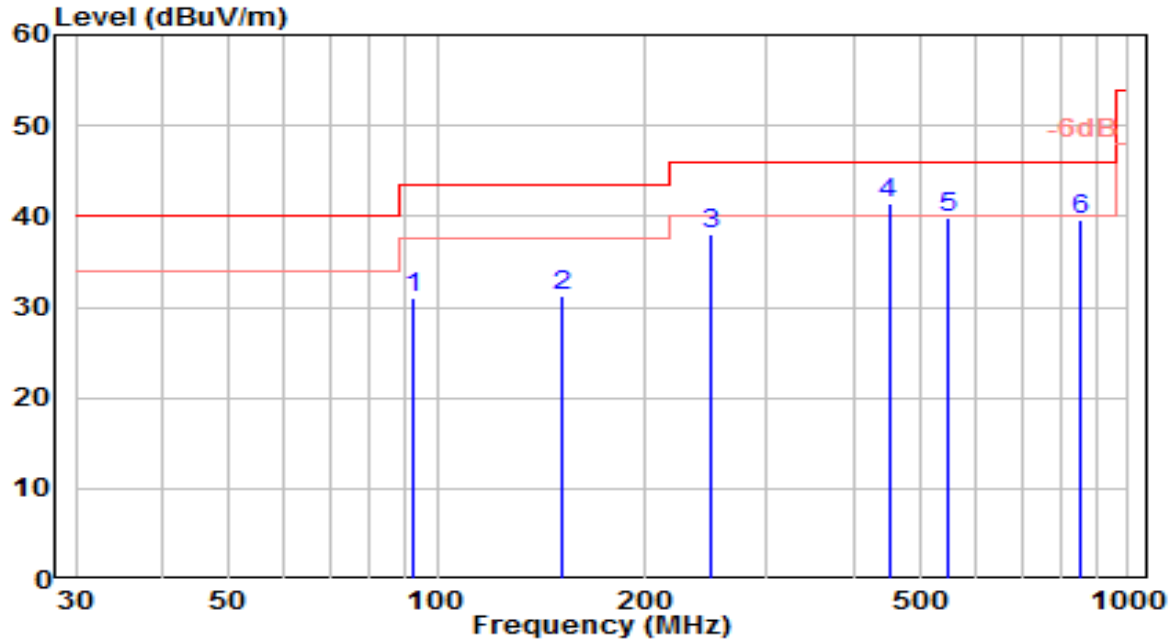


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	37.009	2.87	19.00	21.87	-18.13	40.00	150	20	QP
2	188.082	14.10	17.87	31.97	-11.53	43.50	150	5	QP
3	250.391	20.47	20.43	40.91	-5.09	46.00	100	55	QP
4	* 446.641	17.36	24.27	41.62	-4.38	46.00	100	360	QP
5	647.884	11.87	26.73	38.61	-7.39	46.00	100	30	QP
6	853.950	9.01	31.31	40.31	-5.69	46.00	100	215	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	Smart Controller	Date of Test	2025-06-04
Factor	VULB 9162	Temp. / Humidity	23°C /59%
Polarity	Vertical	Site / Test Engineer	AC1 / Tim
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

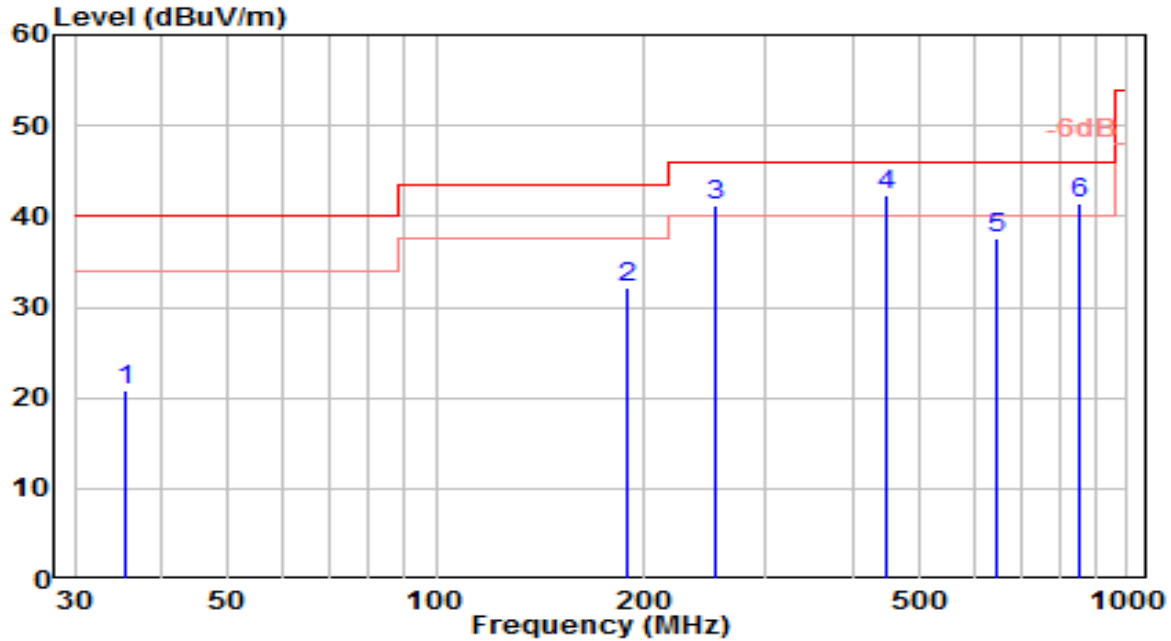


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	92.428	13.44	17.57	31.02	-12.48	43.50	100	85	QP
2	151.038	15.62	15.64	31.26	-12.24	43.50	100	180	QP
3	249.705	17.65	20.41	38.06	-7.94	46.00	100	200	QP
4	* 450.319	17.16	24.31	41.46	-4.54	46.00	150	160	QP
5	547.160	13.88	26.06	39.94	-6.06	46.00	100	40	QP
6	853.870	8.29	31.30	39.59	-6.41	46.00	100	45	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	Smart Controller	Date of Test	2025-06-04
Factor	VULB 9162	Temp. / Humidity	23°C /59%
Polarity	Horizontal	Site / Test Engineer	AC1 / Tim
Test Mode	802.11ac-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

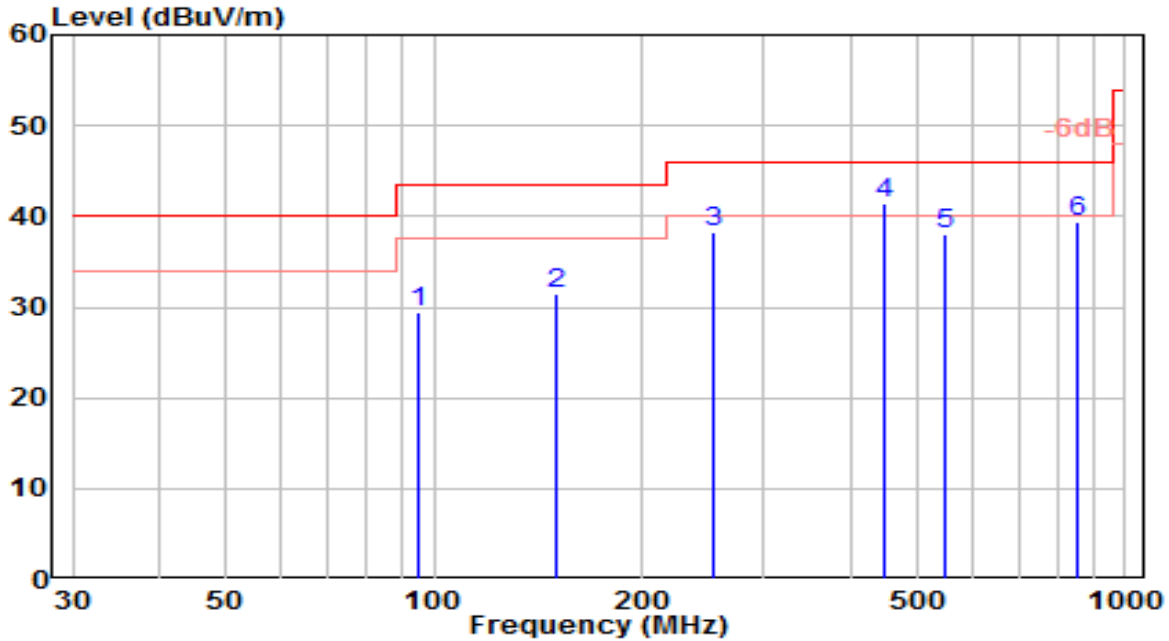


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	35.674	2.22	18.52	20.74	-19.26	40.00	150	20	QP
2	188.748	14.12	17.96	32.08	-11.42	43.50	150	5	QP
3	253.226	20.65	20.47	41.12	-4.88	46.00	100	55	QP
4	* 450.161	18.07	24.30	42.37	-3.63	46.00	100	360	QP
5	647.625	10.76	26.74	37.50	-8.50	46.00	100	30	QP
6	853.829	10.18	31.30	41.49	-4.51	46.00	100	215	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	Smart Controller	Date of Test	2025-06-04
Factor	VULB 9162	Temp. / Humidity	23°C /59%
Polarity	Vertical	Site / Test Engineer	AC1 / Tim
Test Mode	802.11ac-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

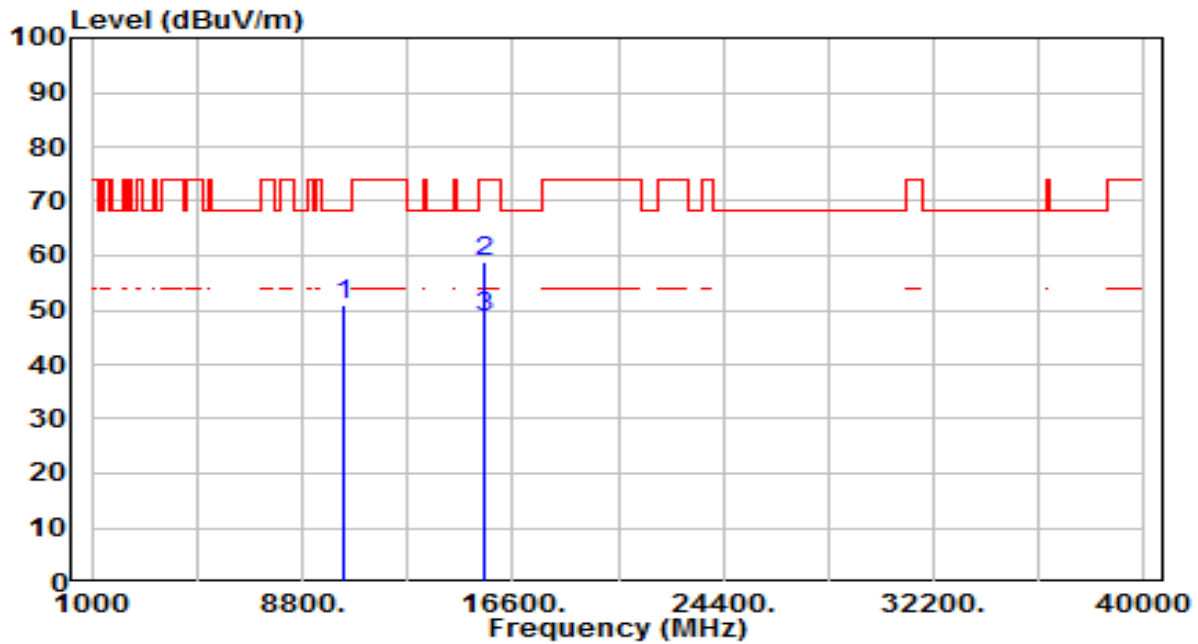


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	94.810	11.50	17.99	29.48	-14.02	43.50	100	85	QP
2	150.381	15.90	15.61	31.51	-11.99	43.50	100	180	QP
3	253.320	17.79	20.47	38.26	-7.74	46.00	100	200	QP
4	* 449.933	17.21	24.30	41.51	-4.49	46.00	150	160	QP
5	548.455	12.05	26.08	38.12	-7.88	46.00	100	40	QP
6	853.475	8.16	31.30	39.47	-6.53	46.00	100	45	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

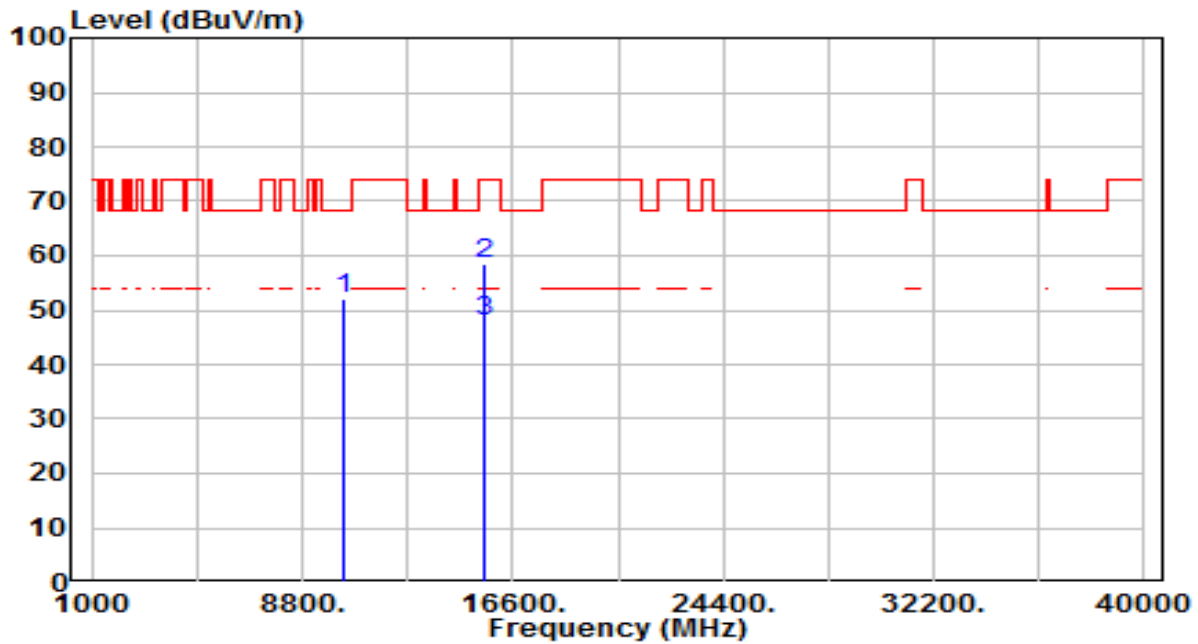


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10360.000	31.89	18.96	50.85	-17.35	68.20	100	326	Peak
2	* 15540.000	36.77	22.22	58.99	-15.01	74.00	100	58	Peak
3	* 15540.000	26.30	22.22	48.52	-5.48	54.00	100	58	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

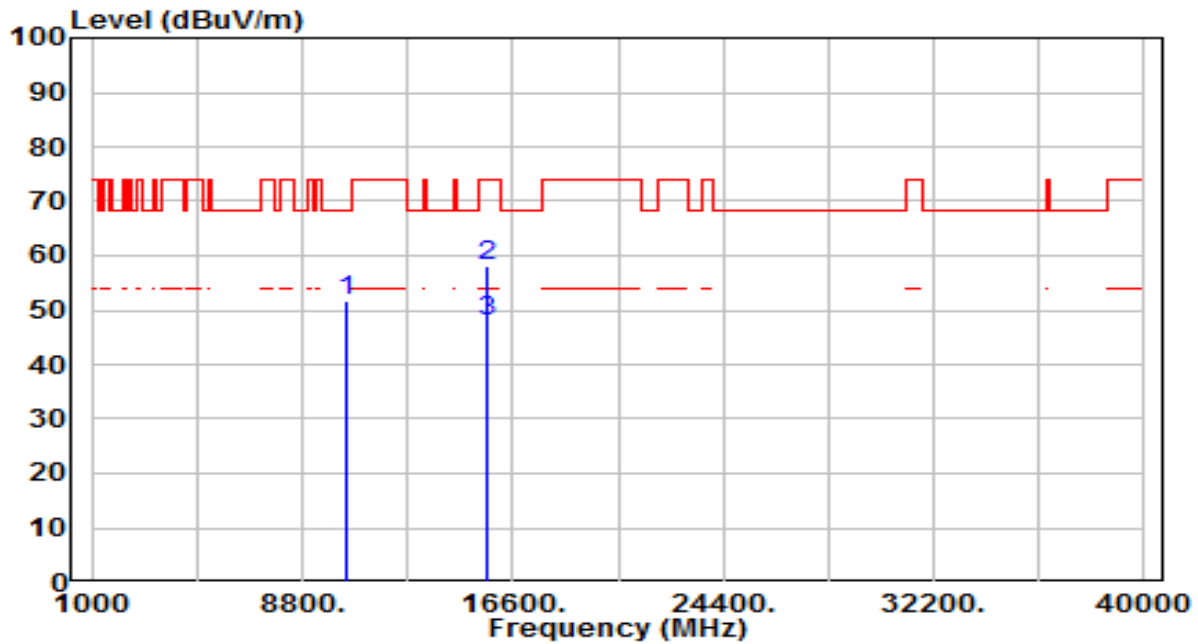


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10360.000	33.21	18.96	52.18	-16.02	68.20	100	271	Peak
2	* 15540.000	36.10	22.22	58.32	-15.68	74.00	100	61	Peak
3	* 15540.000	25.70	22.22	47.92	-6.08	54.00	100	61	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

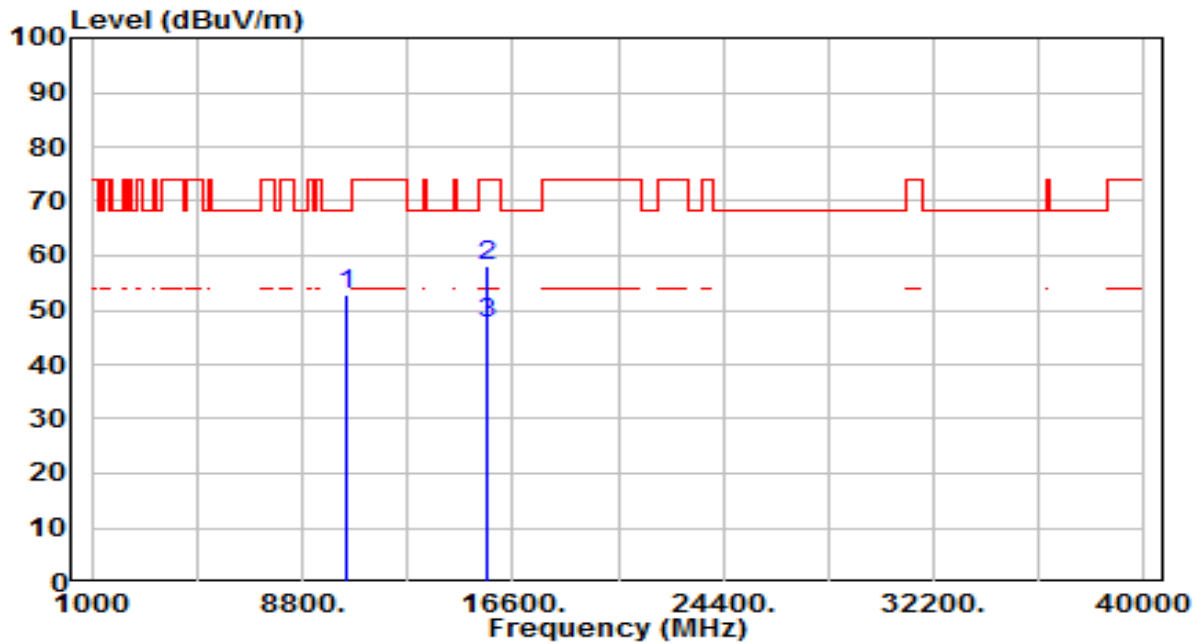


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10440.000	32.39	19.33	51.72	-16.48	68.20	100	329	Peak
2	* 15660.000	36.22	21.97	58.19	-15.81	74.00	100	170	Peak
3	* 15660.000	25.80	21.97	47.77	-6.23	54.00	100	170	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

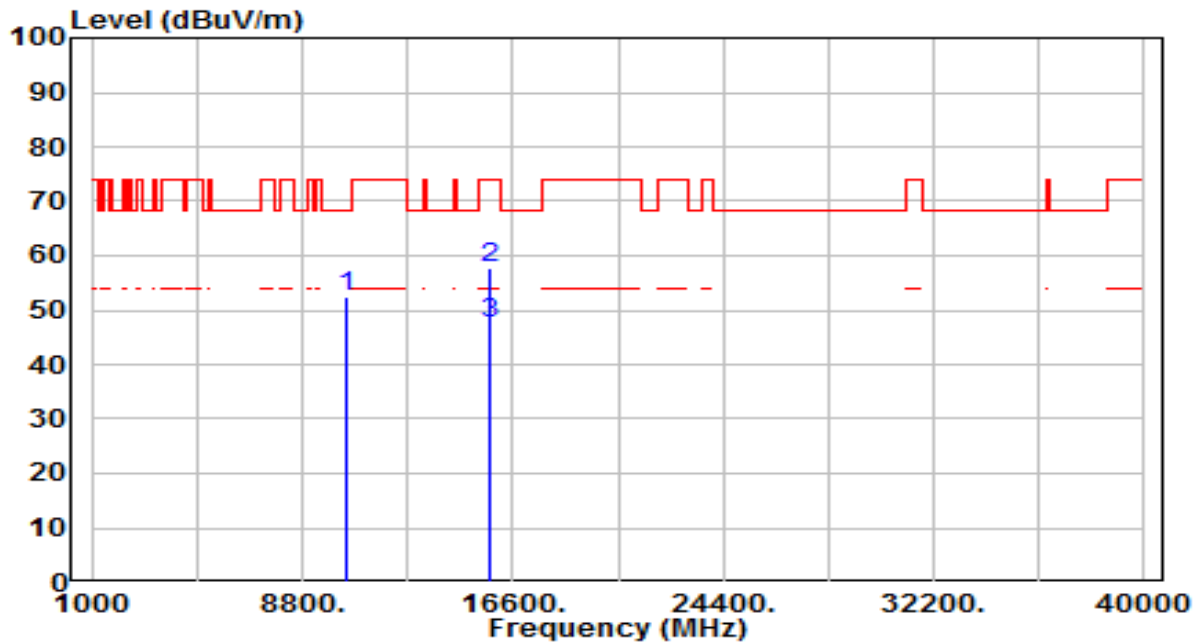


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	33.61	19.33	52.93	-15.27	68.20	100	204	Peak
2		15660.000	36.03	21.97	58.01	-15.99	74.00	100	292	Peak
3	*	15660.000	25.60	21.97	47.57	-6.43	54.00	100	292	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	By Notebook PC

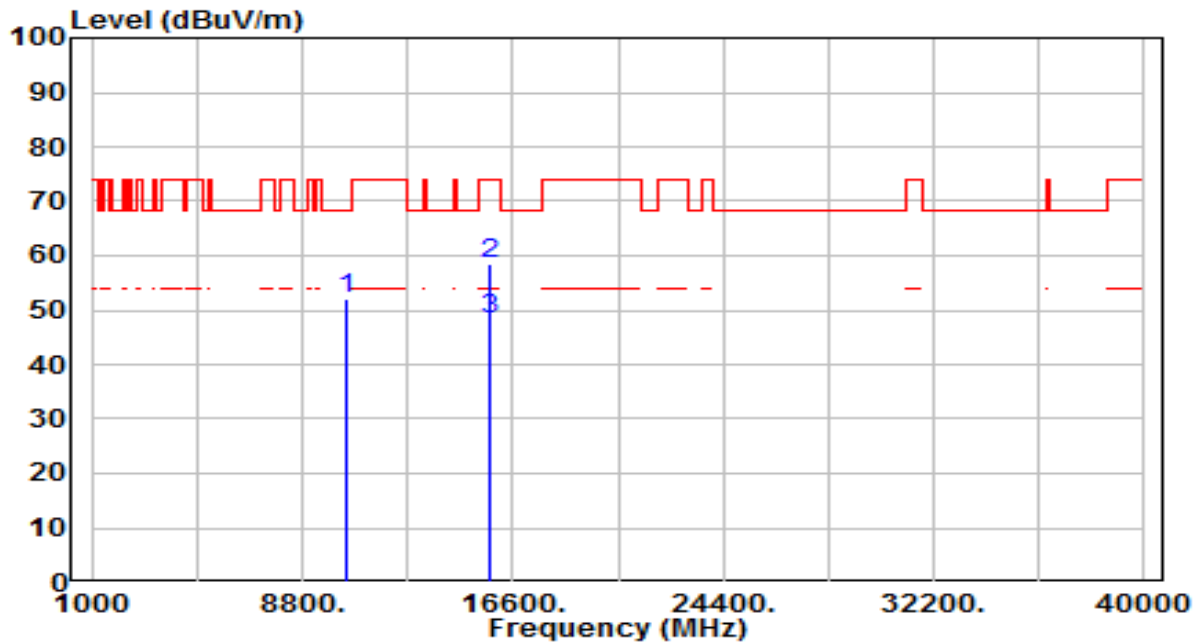


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	33.06	19.51	52.57	-15.63	68.20	100	329	Peak
2		15720.000	35.91	21.86	57.78	-16.22	74.00	100	12	Peak
3	*	15720.000	25.50	21.86	47.36	-6.64	54.00	100	12	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	By Notebook PC

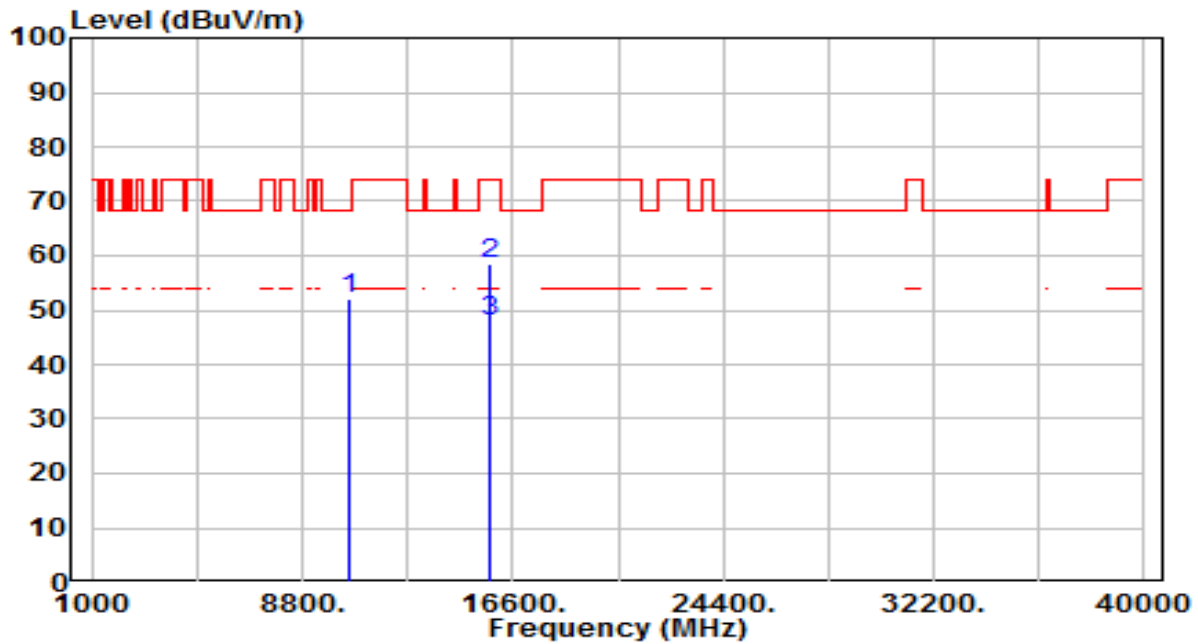


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10480.000	32.58	19.51	52.09	-16.11	68.20	100	42	Peak
2	* 15720.000	36.66	21.86	58.52	-15.48	74.00	100	251	Peak
3	* 15720.000	26.30	21.86	48.16	-5.84	54.00	100	251	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 52_ANT 0	Test Voltage	By Notebook PC

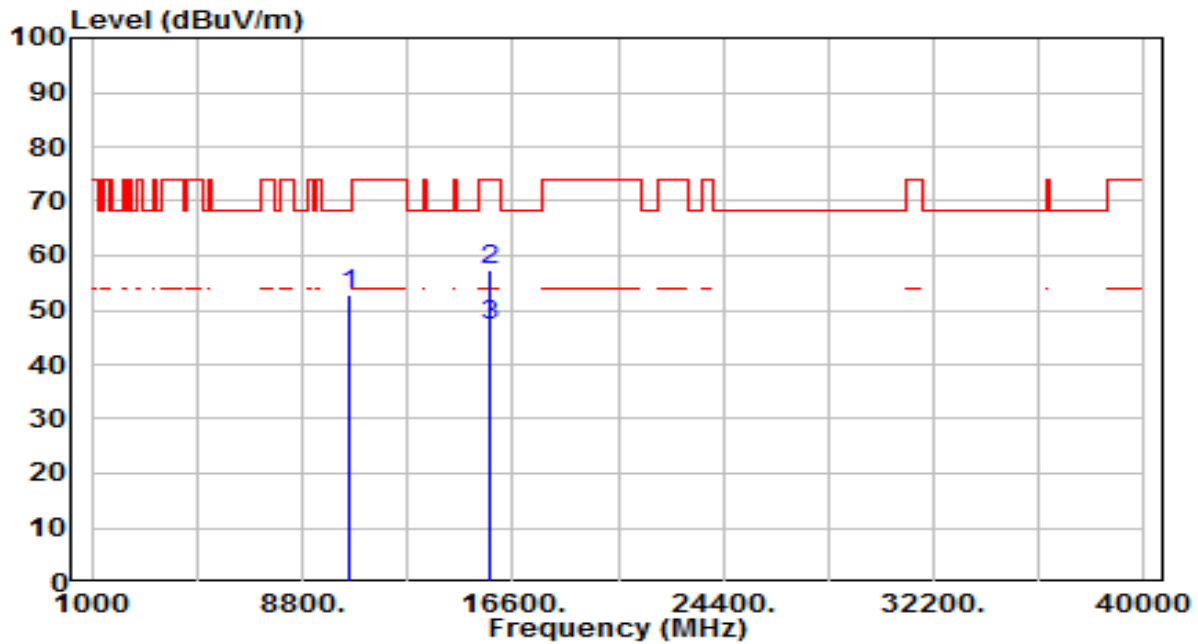


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10520.000	32.44	19.64	52.08	-16.12	68.20	100	330	Peak
2	* 15780.000	36.76	21.72	58.48	-15.52	74.00	100	222	Peak
3	* 15780.000	26.30	21.72	48.02	-5.98	54.00	100	222	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 52_ANT 0	Test Voltage	By Notebook PC

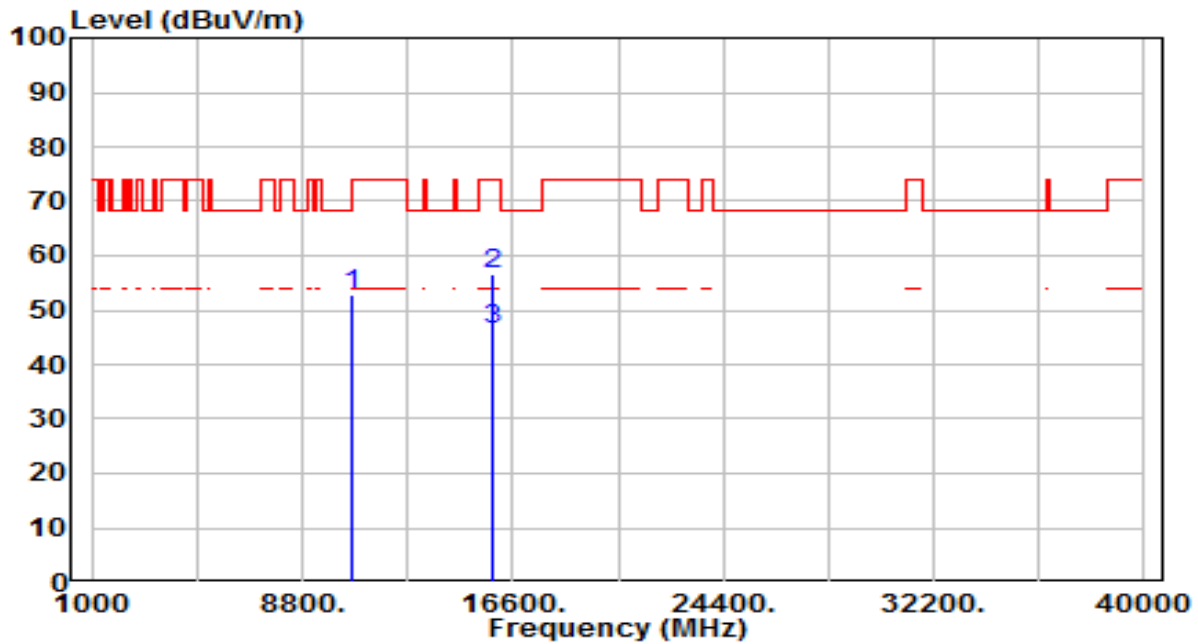


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	33.19	19.64	52.83	-15.37	68.20	100	188	Peak
2		15780.000	35.71	21.72	57.43	-16.57	74.00	100	219	Peak
3	*	15780.000	25.30	21.72	47.02	-6.98	54.00	100	219	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 60_ANT 0	Test Voltage	By Notebook PC

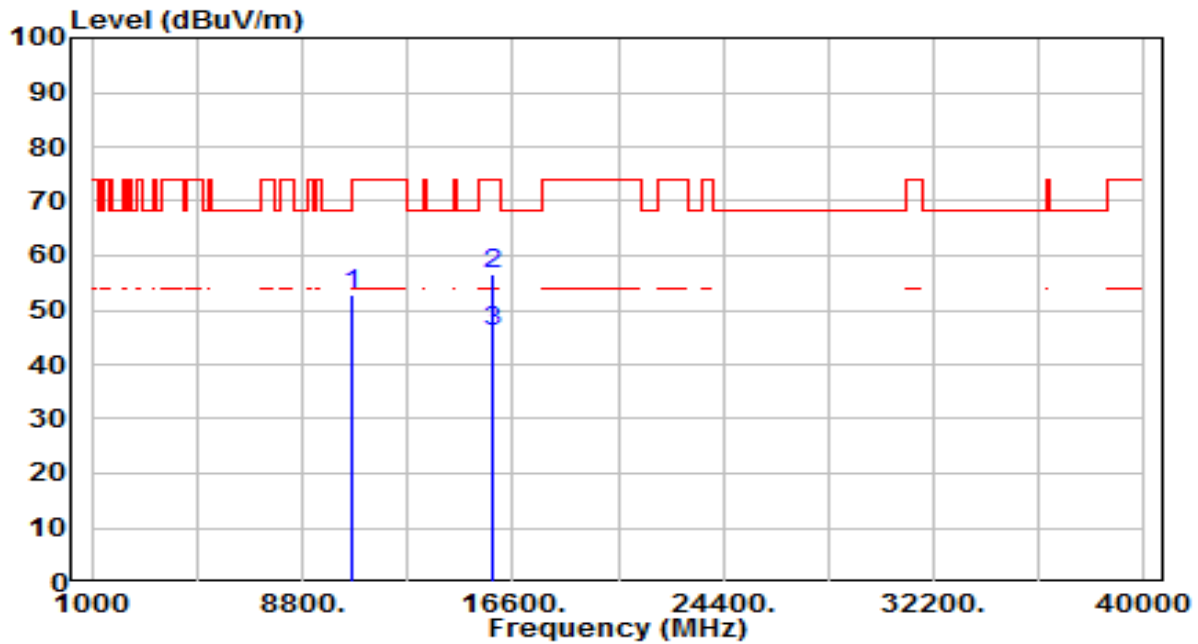


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	32.95	19.78	52.72	-15.48	68.20	100	330	Peak
2		15900.000	35.16	21.59	56.75	-17.25	74.00	100	335	Peak
3	*	15900.000	24.80	21.59	46.39	-7.61	54.00	100	335	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 60_ANT 0	Test Voltage	By Notebook PC

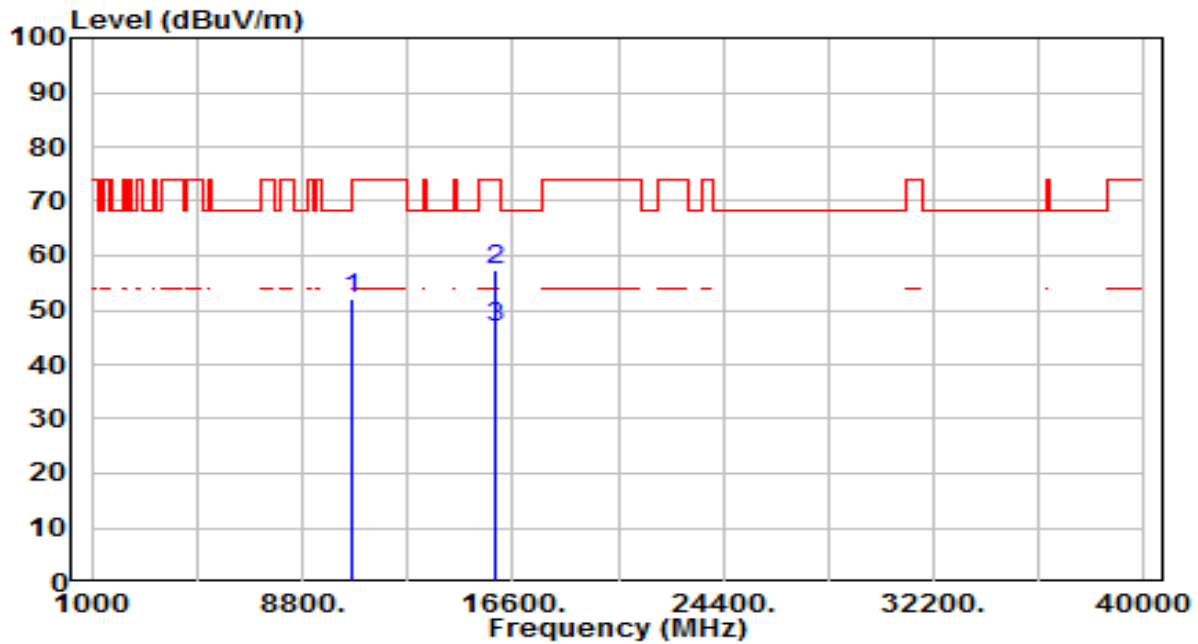


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	33.16	19.78	52.94	-15.26	68.20	100	46	Peak
2		15900.000	35.07	21.59	56.65	-17.35	74.00	100	360	Peak
3	*	15900.000	24.60	21.59	46.19	-7.81	54.00	100	360	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

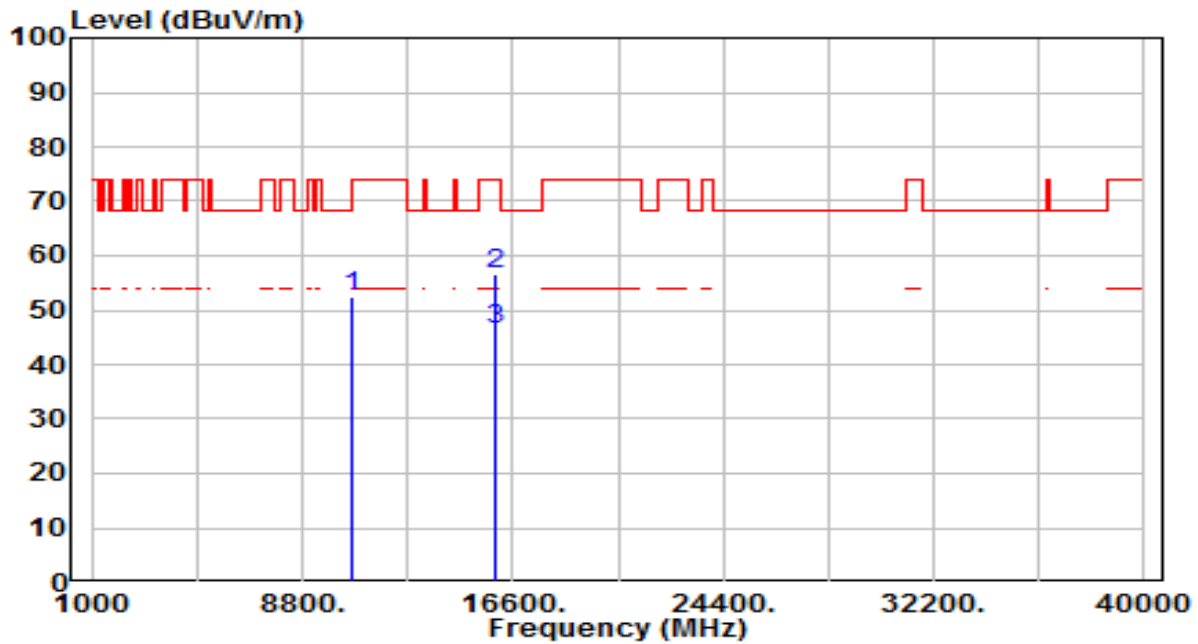


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10640.000	32.21	19.86	52.07	-21.93	74.00	100	332	Peak
2	* 15960.000	35.86	21.43	57.29	-16.71	74.00	100	176	Peak
3	* 15960.000	25.40	21.43	46.83	-7.17	54.00	100	176	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

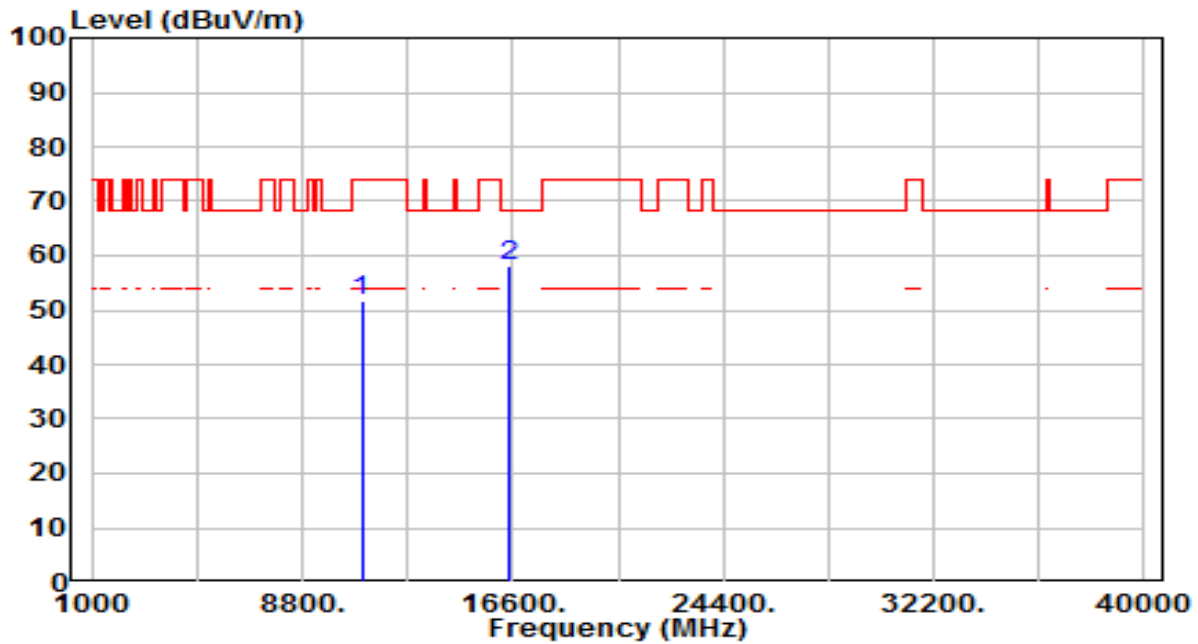


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10640.000	32.56	19.86	52.42	-21.58	74.00	100	0	Peak
2	* 15960.000	35.26	21.43	56.69	-17.31	74.00	100	210	Peak
3	* 15960.000	24.80	21.43	46.23	-7.77	54.00	100	210	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

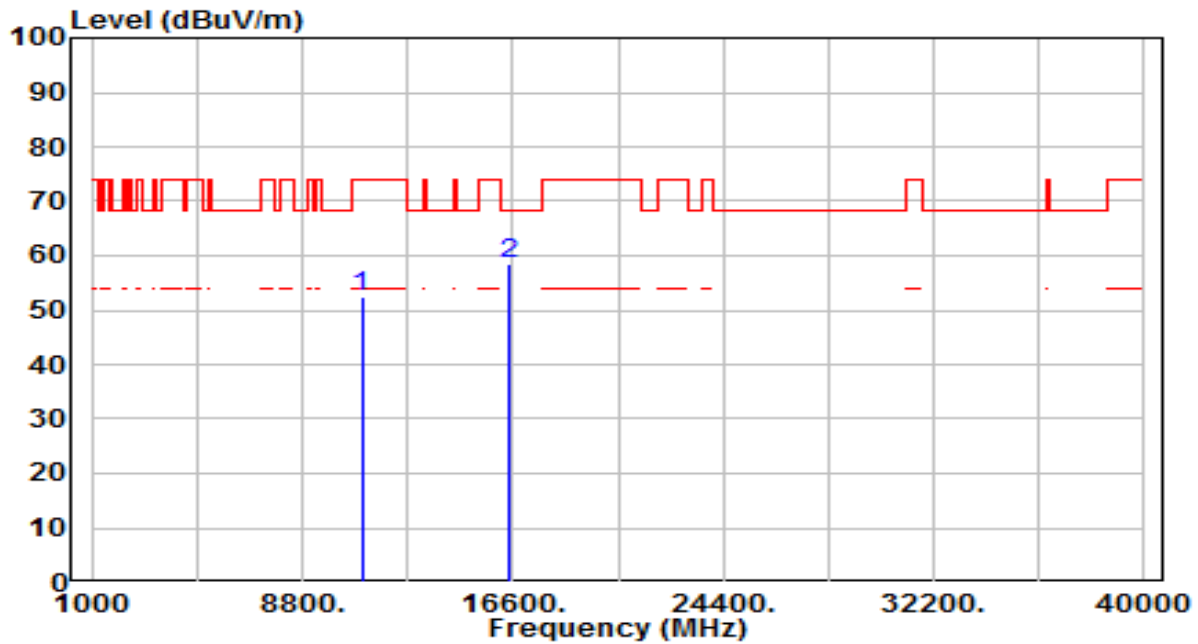


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	31.27	20.44	51.71	-22.29	74.00	100	227	Peak
2	* 16500.000	35.13	22.94	58.06	-10.14	68.20	100	222	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

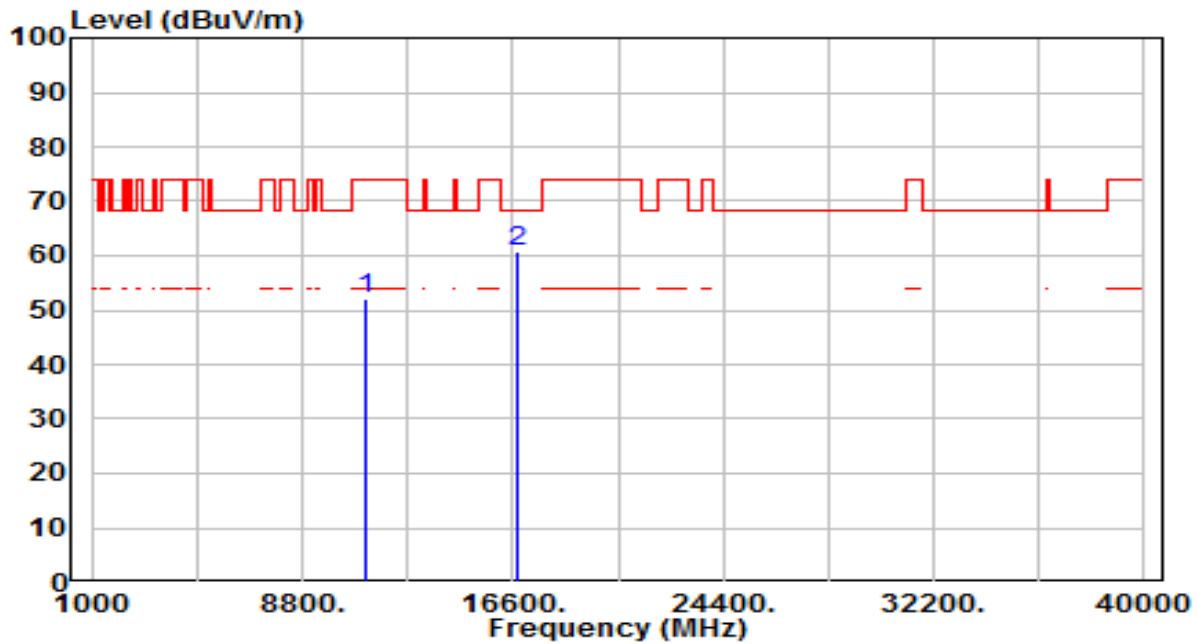


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	31.97	20.44	52.41	-21.59	74.00	100	231	Peak
2	* 16500.000	35.43	22.94	58.37	-9.83	68.20	100	287	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 116_ANT 0	Test Voltage	By Notebook PC

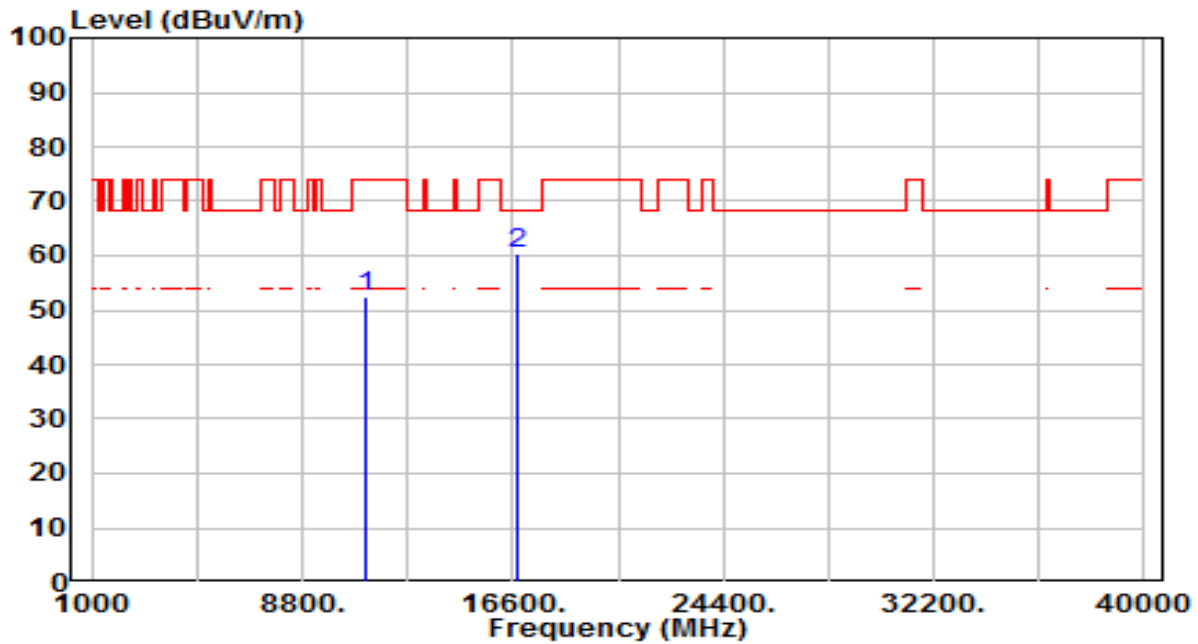


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11160.000	31.33	20.81	52.14	-21.86	74.00	100	324	Peak
2	* 16740.000	36.29	24.51	60.80	-7.40	68.20	100	150	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 116_ANT 0	Test Voltage	By Notebook PC

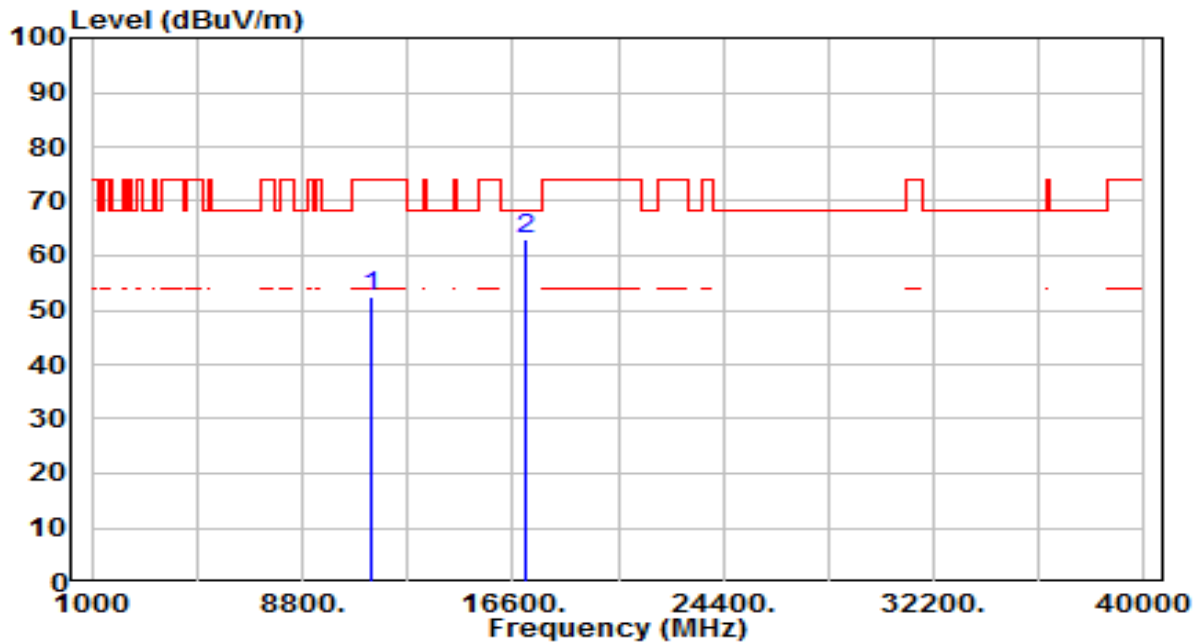


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11160.000	31.55	20.81	52.36	-21.64	74.00	100	272	Peak
2	* 16740.000	35.95	24.51	60.46	-7.74	68.20	100	68	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

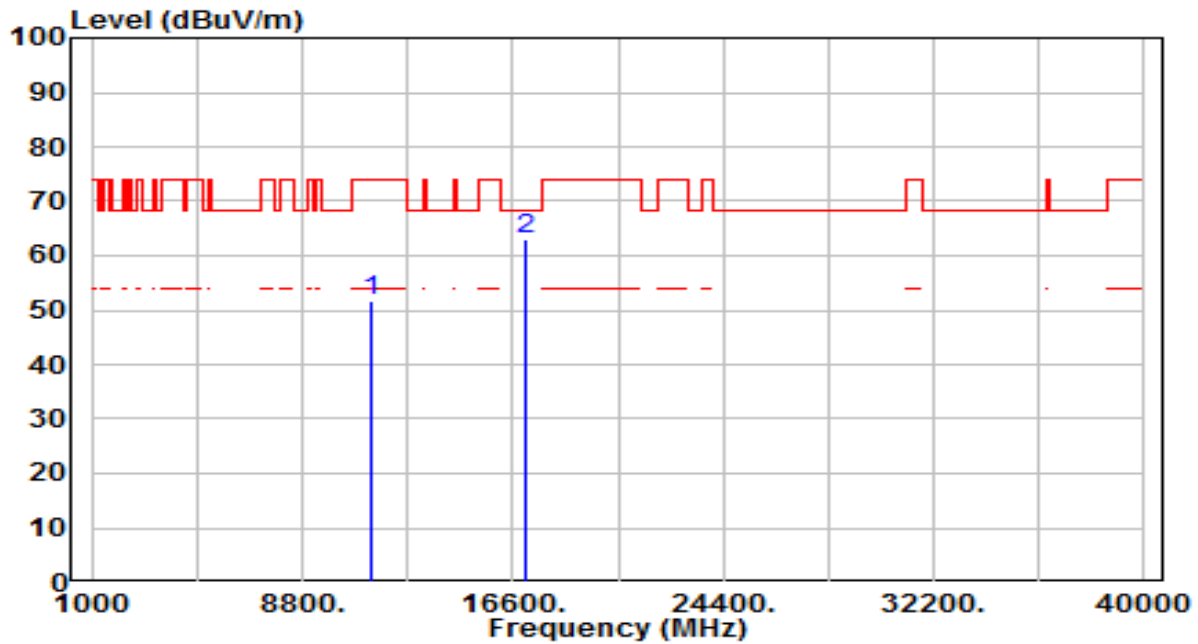


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	31.10	21.31	52.41	-21.59	74.00	100	202	Peak
2	* 17100.000	36.06	26.98	63.04	-5.16	68.20	100	94	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

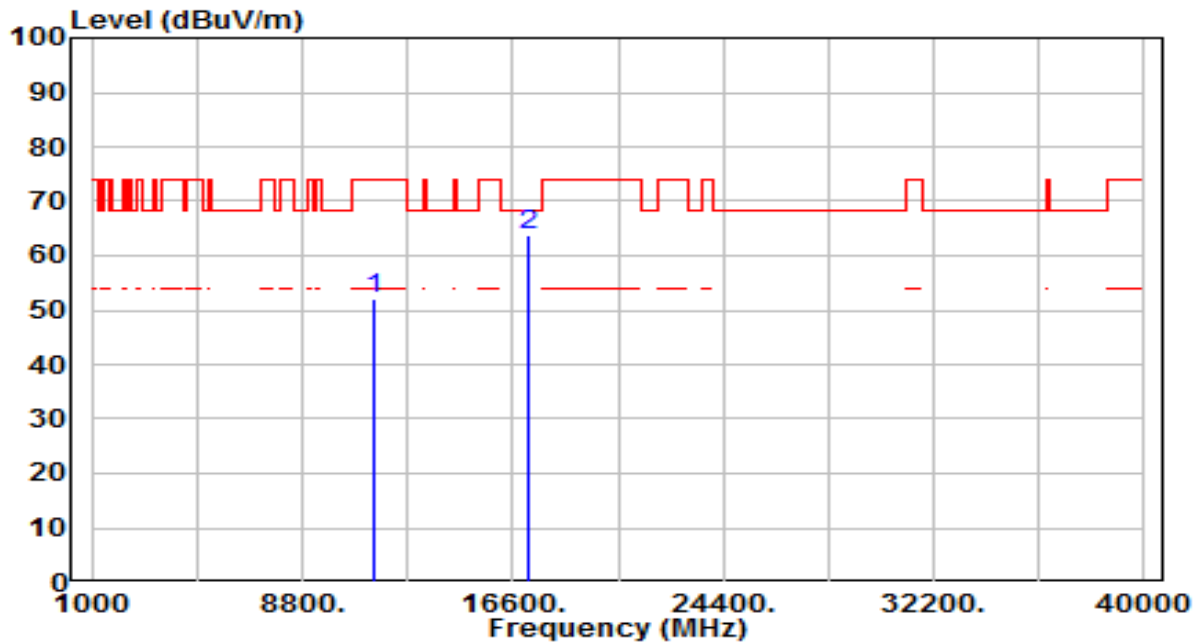


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	30.46	21.31	51.77	-22.23	74.00	100	354	Peak
2	* 17100.000	36.15	26.98	63.13	-5.07	68.20	100	26	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 144_ANT 0	Test Voltage	By Notebook PC

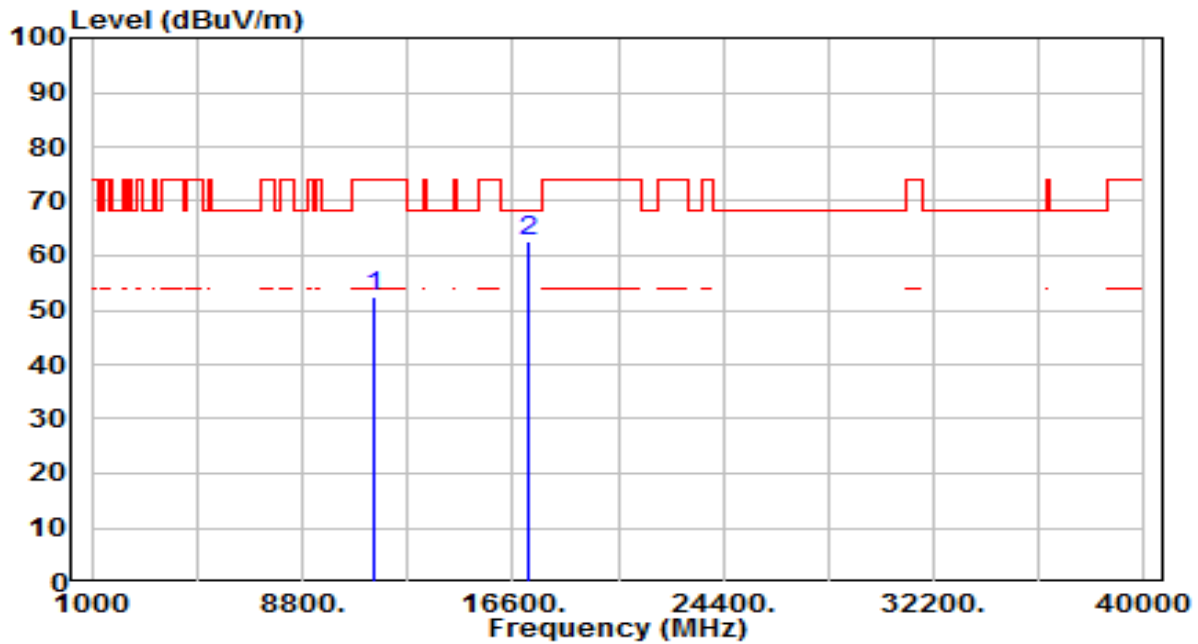


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11440.000	30.56	21.38	51.94	-22.06	74.00	100	212	Peak
2	* 17160.000	36.49	27.44	63.93	-4.27	68.20	100	349	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 144_ANT 0	Test Voltage	By Notebook PC

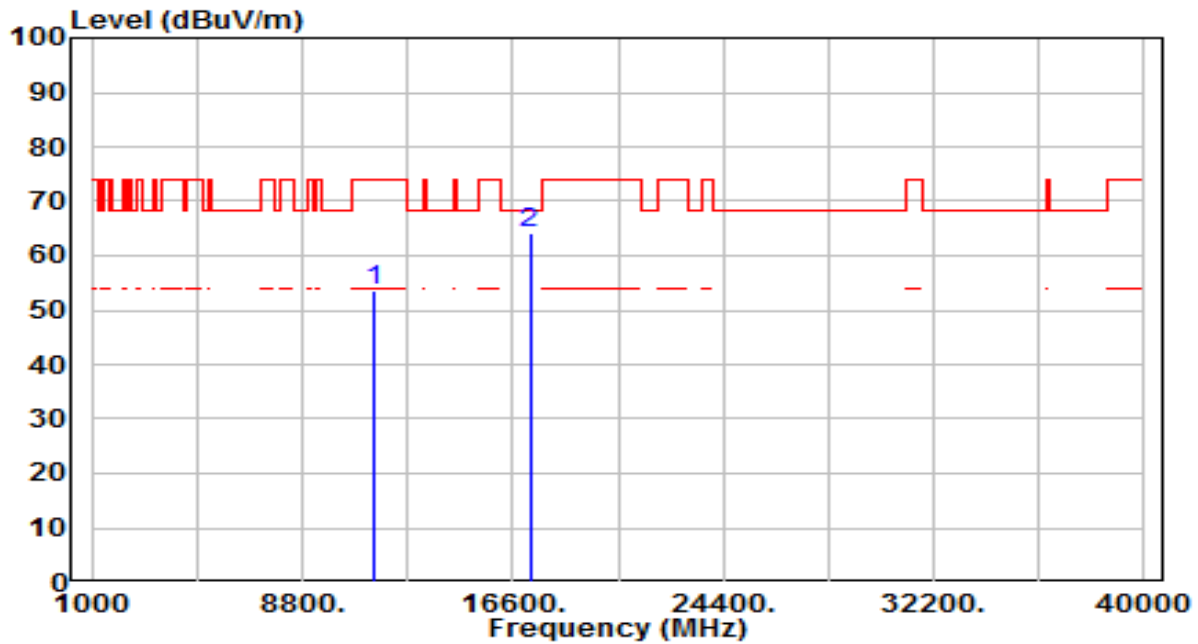


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11440.000	31.19	21.38	52.57	-21.43	74.00	100	81	Peak
2	* 17160.000	35.10	27.44	62.54	-5.66	68.20	100	35	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

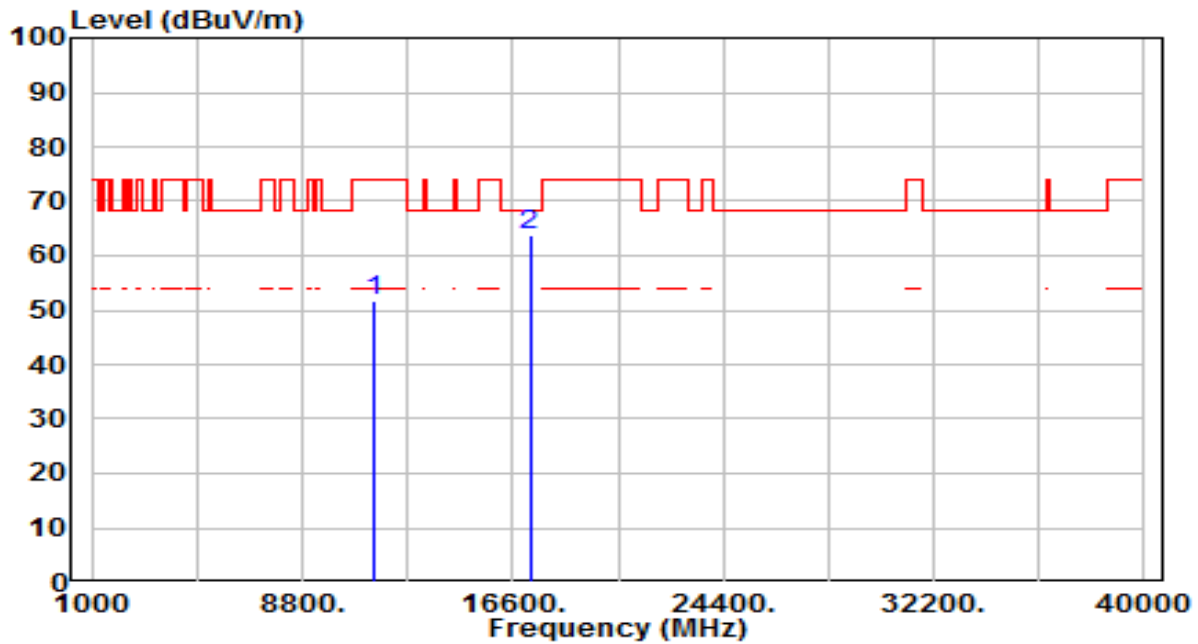


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	32.03	21.46	53.50	-20.50	74.00	100	11	Peak
2	* 17235.000	36.25	28.05	64.29	-3.91	68.20	100	325	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

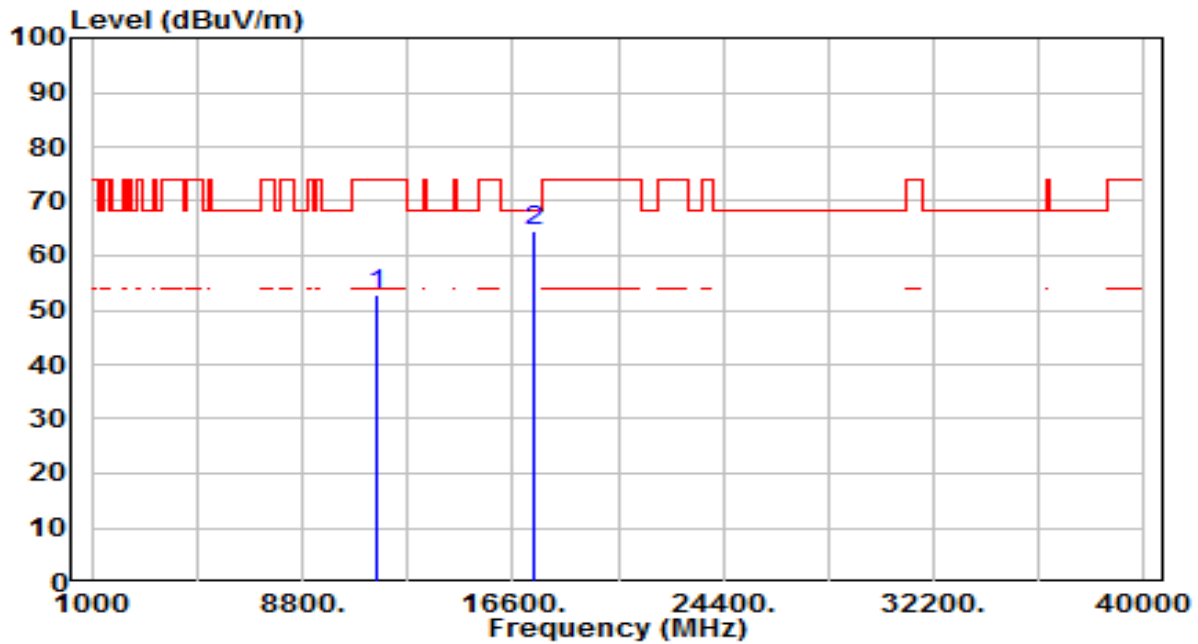


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	30.27	21.46	51.73	-22.27	74.00	100	204	Peak
2	* 17235.000	35.85	28.05	63.89	-4.31	68.20	100	245	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 157_ANT 0	Test Voltage	By Notebook PC

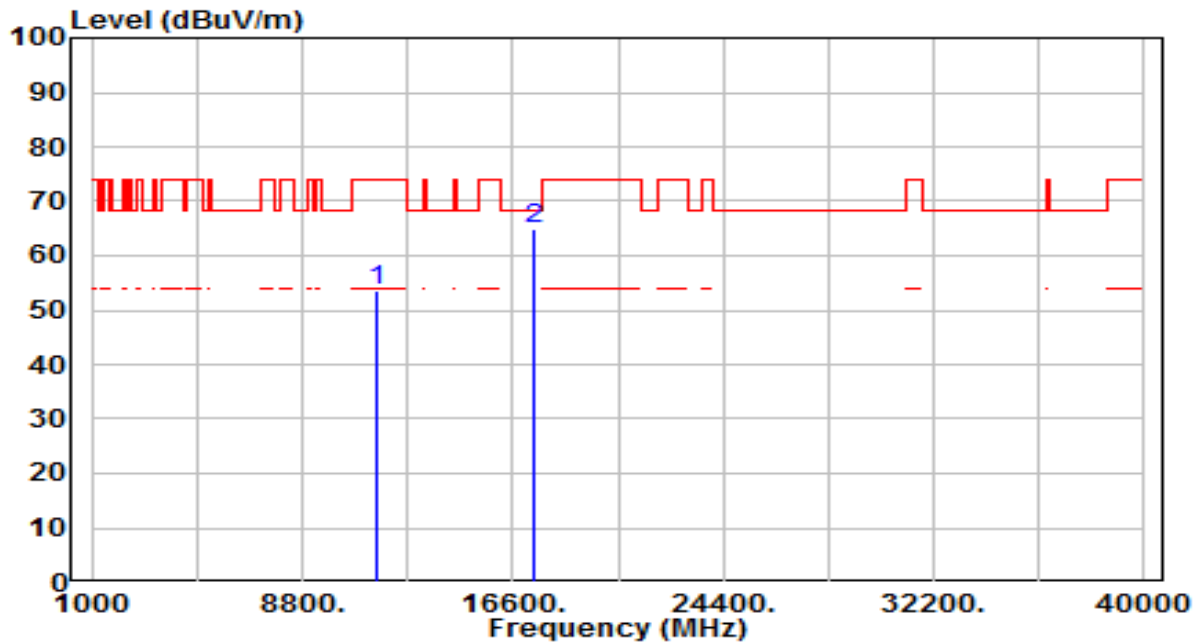


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	31.51	21.34	52.84	-21.16	74.00	100	118	Peak
2	* 17355.000	35.43	29.00	64.44	-3.76	68.20	100	27	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 157_ANT 0	Test Voltage	By Notebook PC

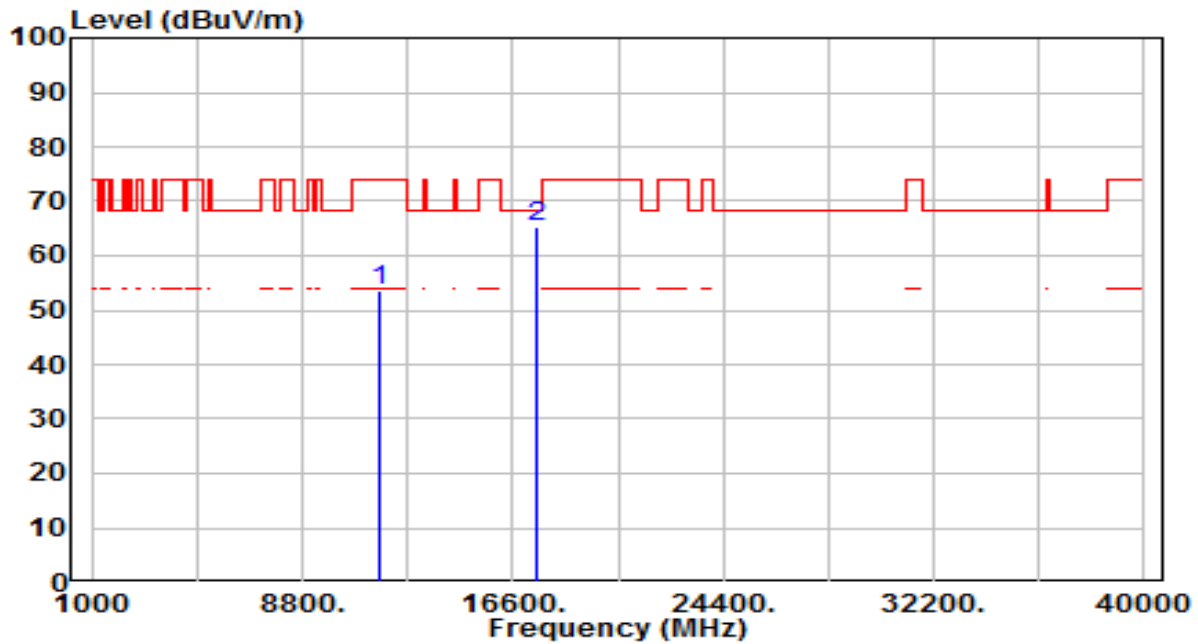


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	32.14	21.34	53.48	-20.52	74.00	100	267	Peak
2	* 17355.000	35.98	29.00	64.98	-3.22	68.20	100	123	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

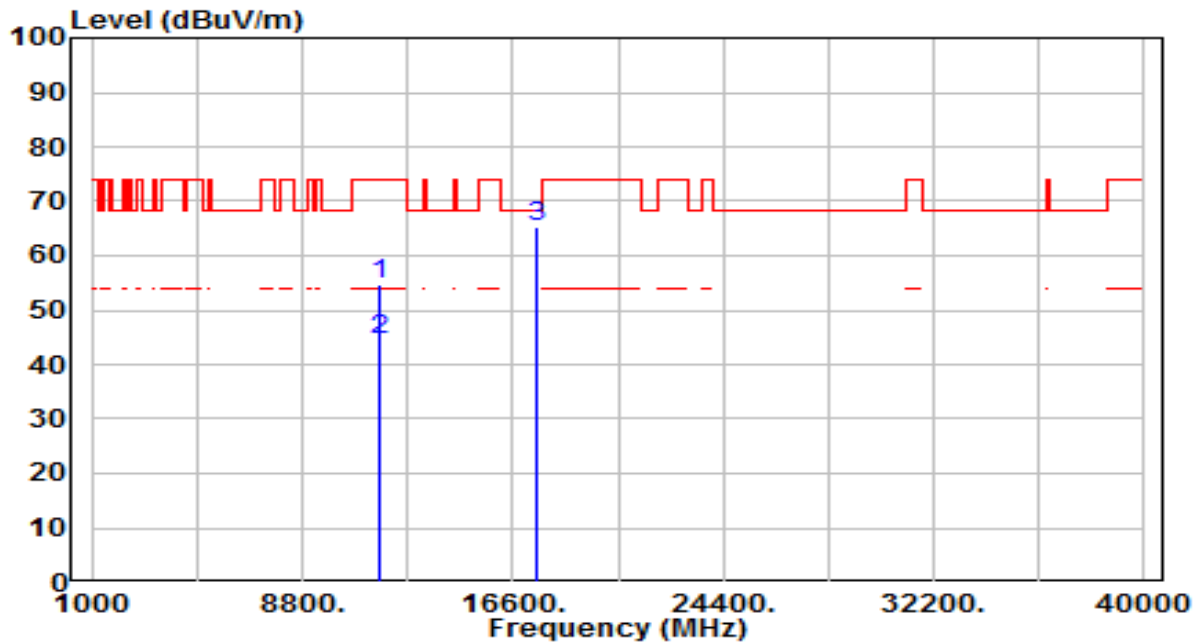


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	32.51	21.16	53.67	-20.33	74.00	100	135	Peak
2	* 17475.000	35.44	29.95	65.38	-2.82	68.20	100	358	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

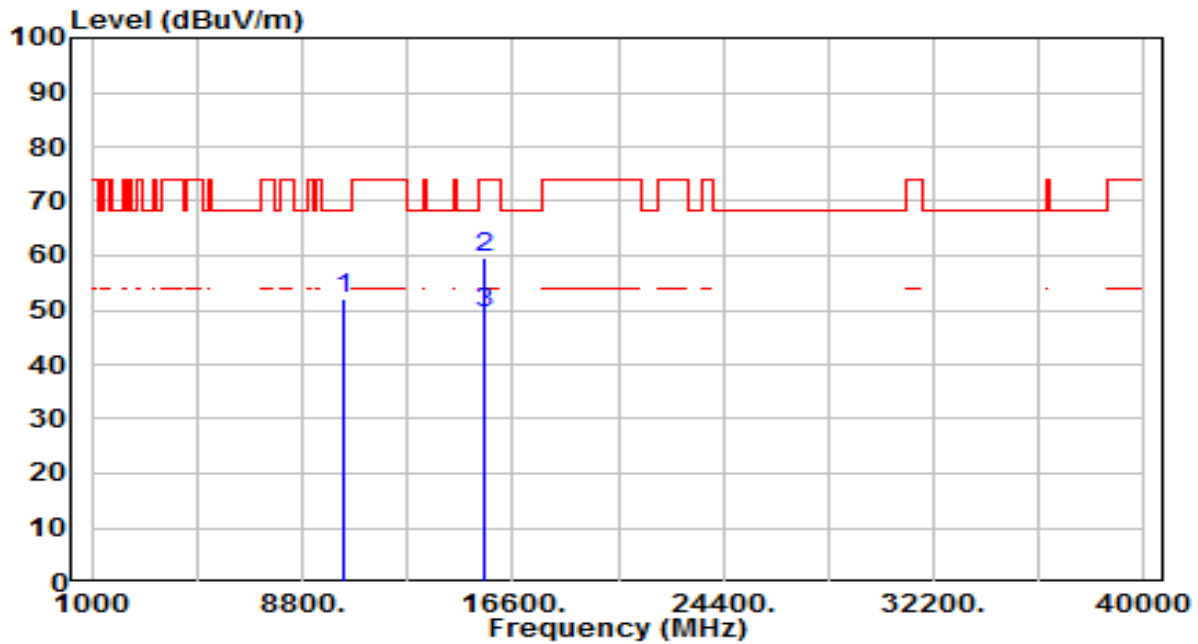


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	33.66	21.16	54.82	-19.18	74.00	100	178	Peak
2	* 11650.000	23.20	21.16	44.36	-9.64	54.00	100	178	Average
3	* 17475.000	35.43	29.95	65.38	-2.82	68.20	100	11	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

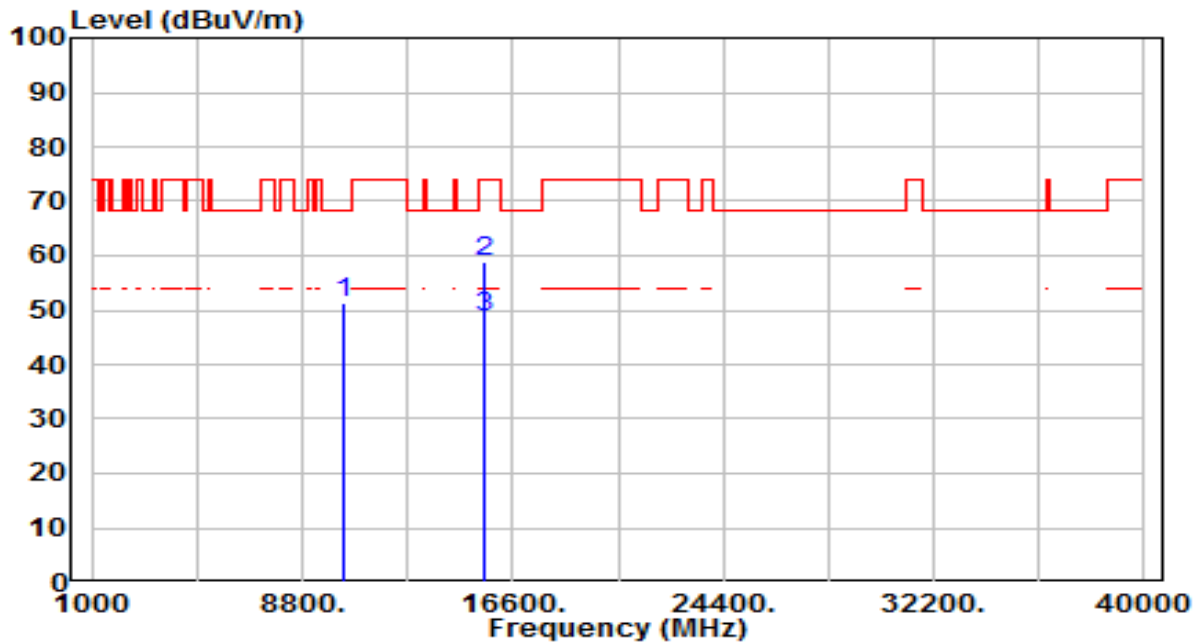


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10360.000	33.13	18.96	52.09	-16.11	68.20	100	328	Peak
2	* 15540.000	37.55	22.22	59.76	-14.24	74.00	100	344	Peak
3	* 15540.000	27.10	22.22	49.32	-4.68	54.00	100	344	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

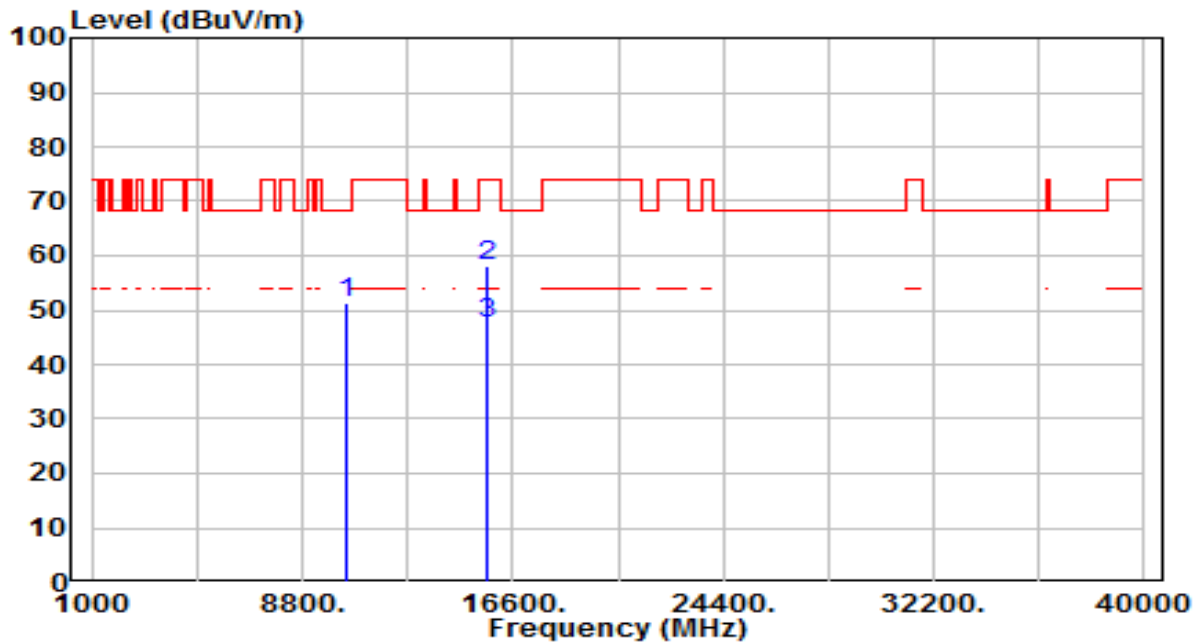


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10360.000	32.30	18.96	51.27	-16.93	68.20	100	216	Peak
2	* 15540.000	36.78	22.22	59.00	-15.00	74.00	100	14	Peak
3	* 15540.000	26.30	22.22	48.52	-5.48	54.00	100	14	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

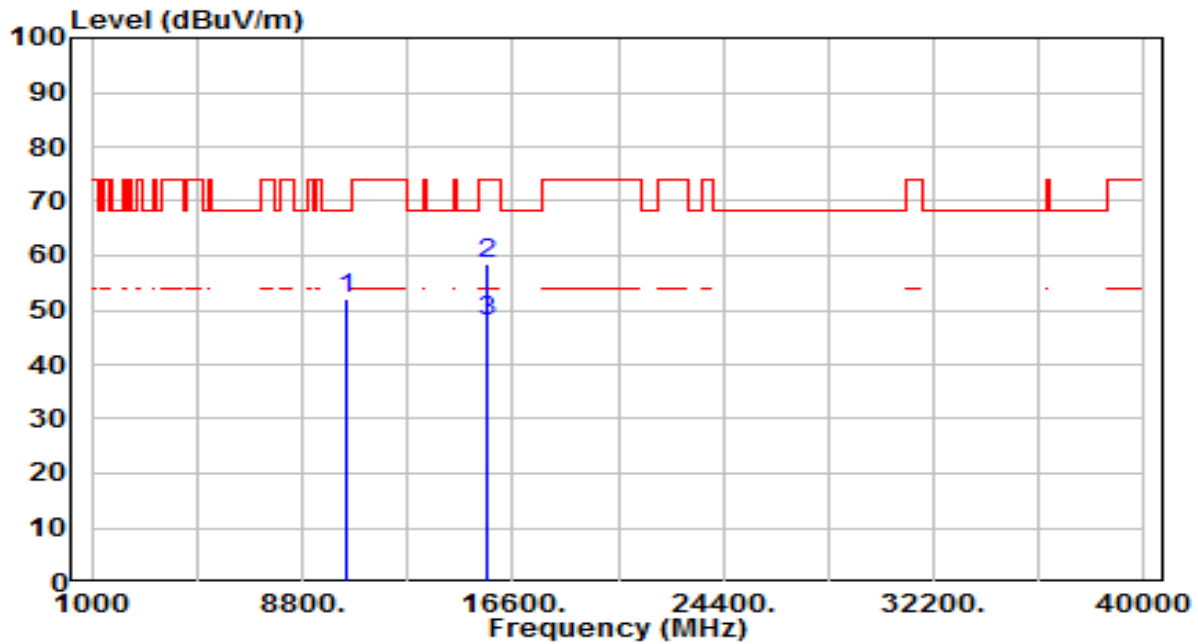


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10440.000	31.90	19.33	51.23	-16.97	68.20	100	358	Peak
2	* 15660.000	35.99	21.97	57.97	-16.03	74.00	100	129	Peak
3	* 15660.000	25.50	21.97	47.47	-6.53	54.00	100	129	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

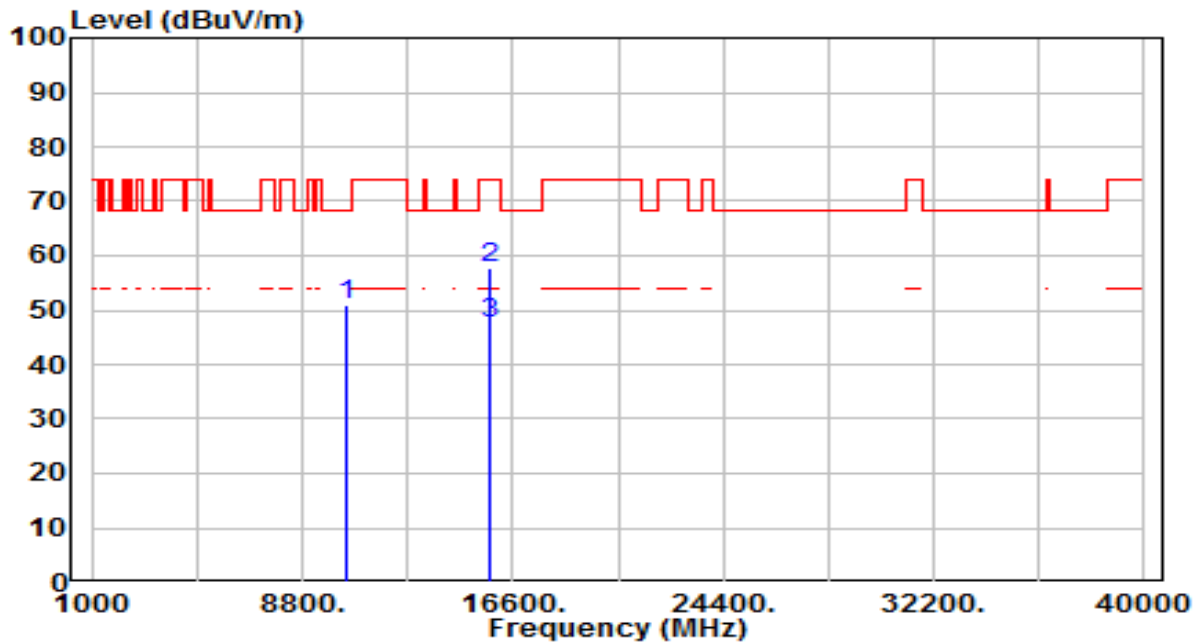


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10440.000	32.76	19.33	52.08	-16.12	68.20	100	196	Peak
2	* 15660.000	36.41	21.97	58.38	-15.62	74.00	100	338	Peak
3	* 15660.000	26.00	21.97	47.97	-6.03	54.00	100	338	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	By Notebook PC

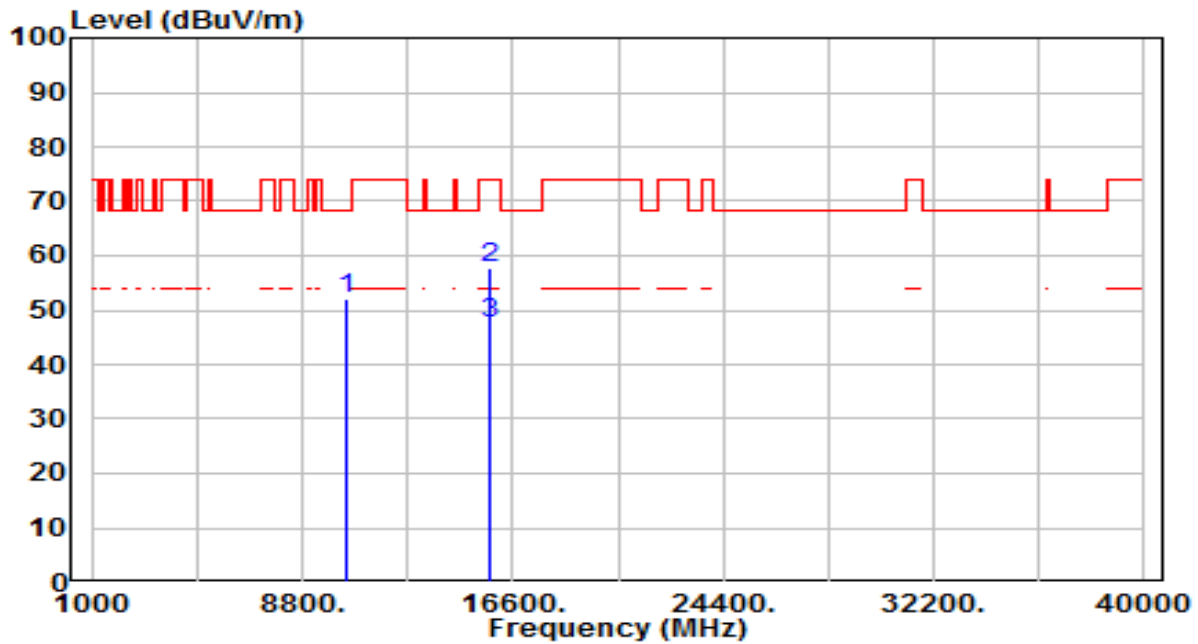


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10480.000	31.33	19.51	50.84	-17.36	68.20	100	103	Peak
2	* 15720.000	36.00	21.86	57.87	-16.13	74.00	100	89	Peak
3	* 15720.000	25.60	21.86	47.46	-6.54	54.00	100	89	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	By Notebook PC

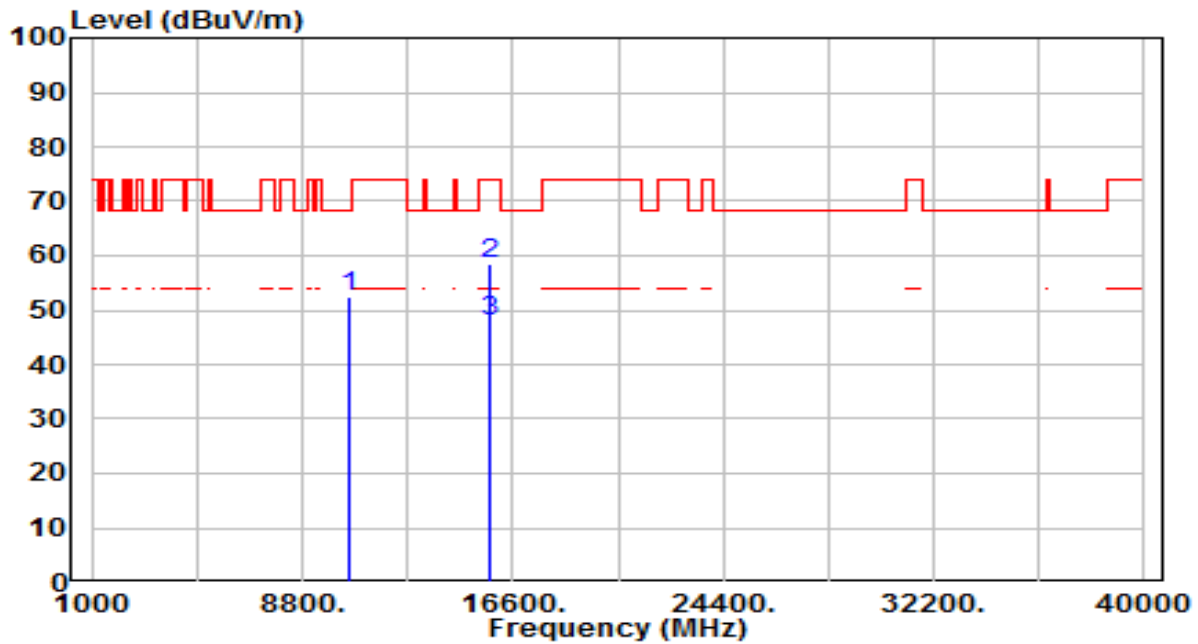


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	32.59	19.51	52.11	-16.09	68.20	100	323	Peak
2		15720.000	35.97	21.86	57.83	-16.17	74.00	100	287	Peak
3	*	15720.000	25.50	21.86	47.36	-6.64	54.00	100	287	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 52_ANT 0	Test Voltage	By Notebook PC

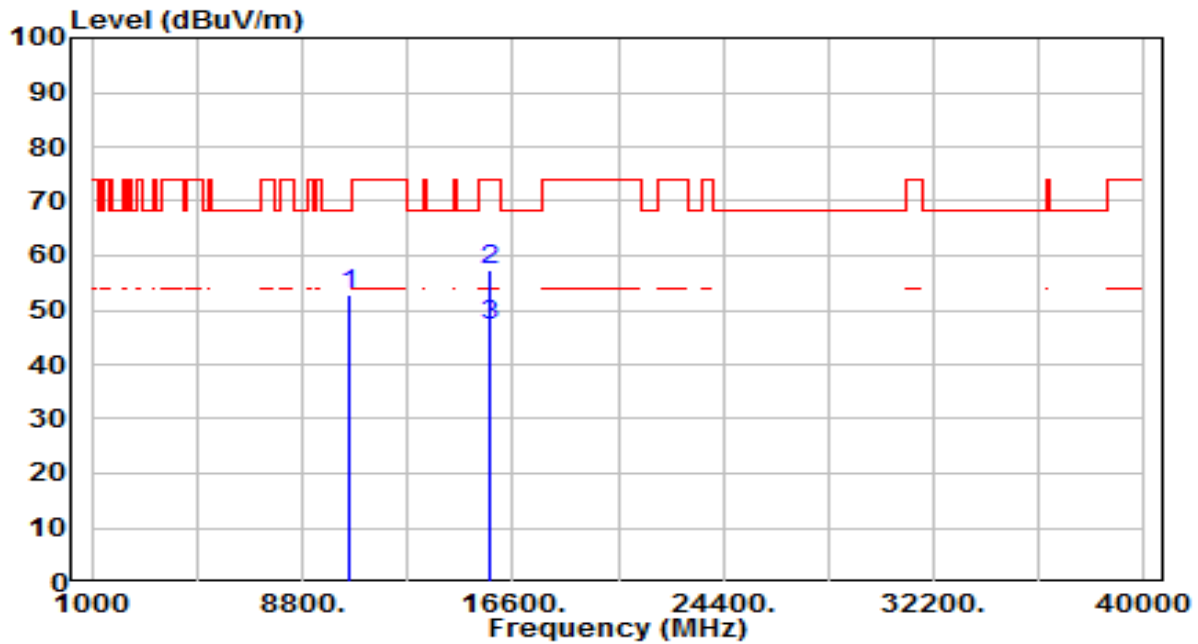


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10520.000	32.63	19.64	52.27	-15.93	68.20	100	332	Peak
2	* 15780.000	36.59	21.72	58.31	-15.69	74.00	100	327	Peak
3	* 15780.000	26.10	21.72	47.82	-6.18	54.00	100	327	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 52_ANT 0	Test Voltage	By Notebook PC

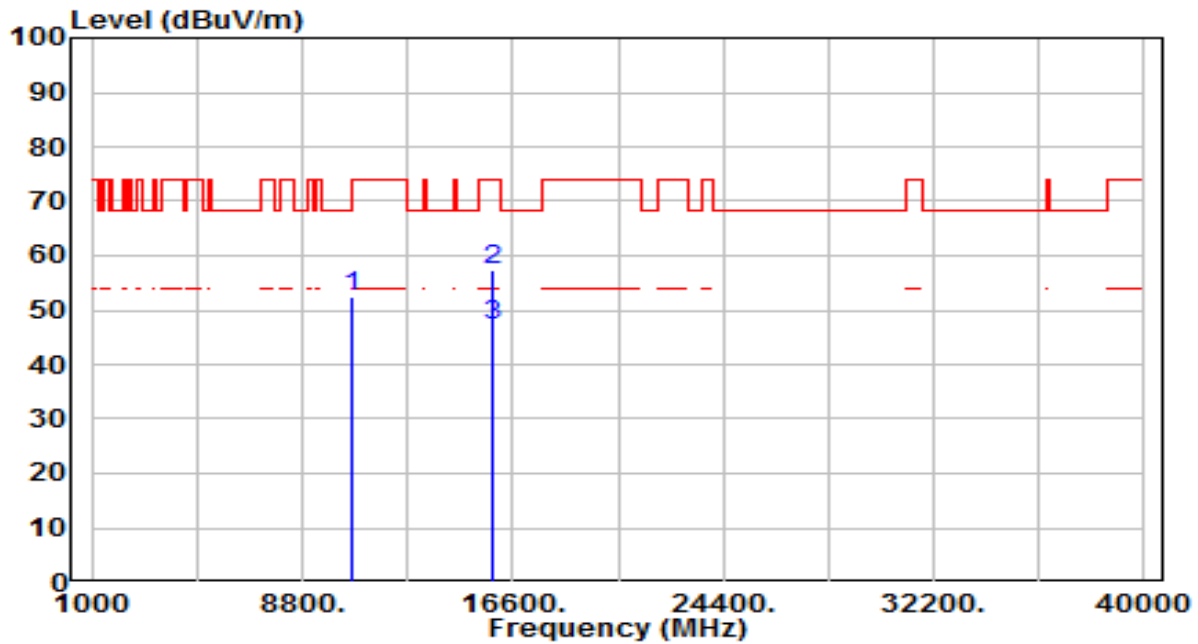


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	33.00	19.64	52.64	-15.56	68.20	100	322	Peak
2		15780.000	35.78	21.72	57.50	-16.50	74.00	100	18	Peak
3	*	15780.000	25.40	21.72	47.12	-6.88	54.00	100	18	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 60_ANT 0	Test Voltage	By Notebook PC

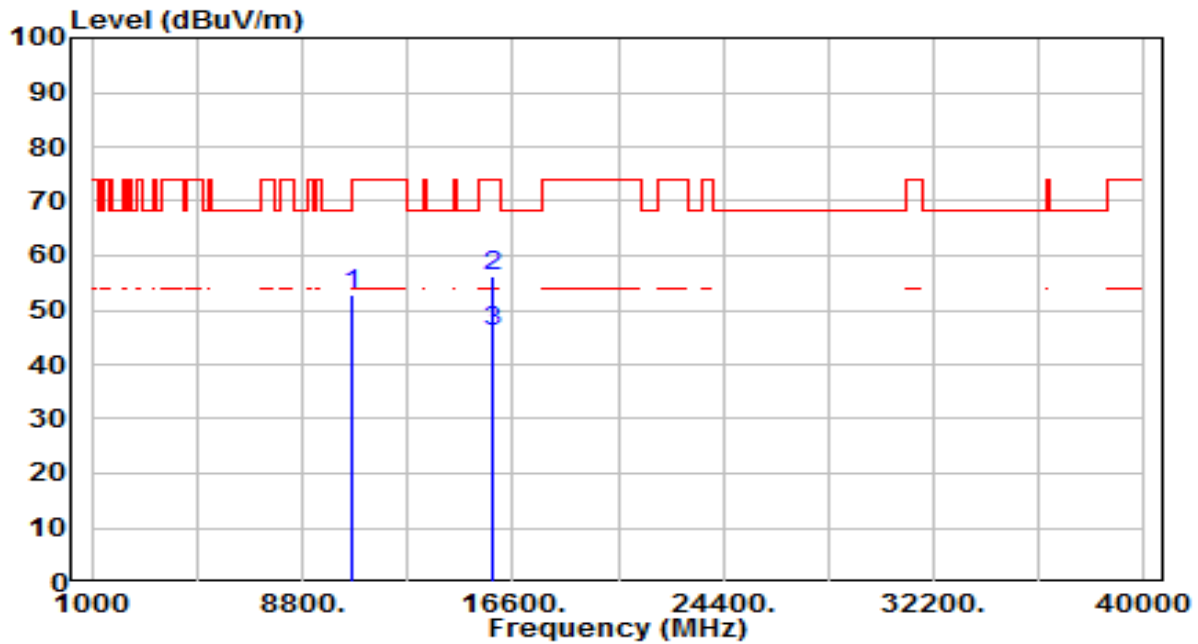


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	32.79	19.78	52.57	-15.63	68.20	100	329	Peak
2		15900.000	35.81	21.59	57.39	-16.61	74.00	100	38	Peak
3	*	15900.000	25.40	21.59	46.99	-7.01	54.00	100	38	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 60_ANT 0	Test Voltage	By Notebook PC

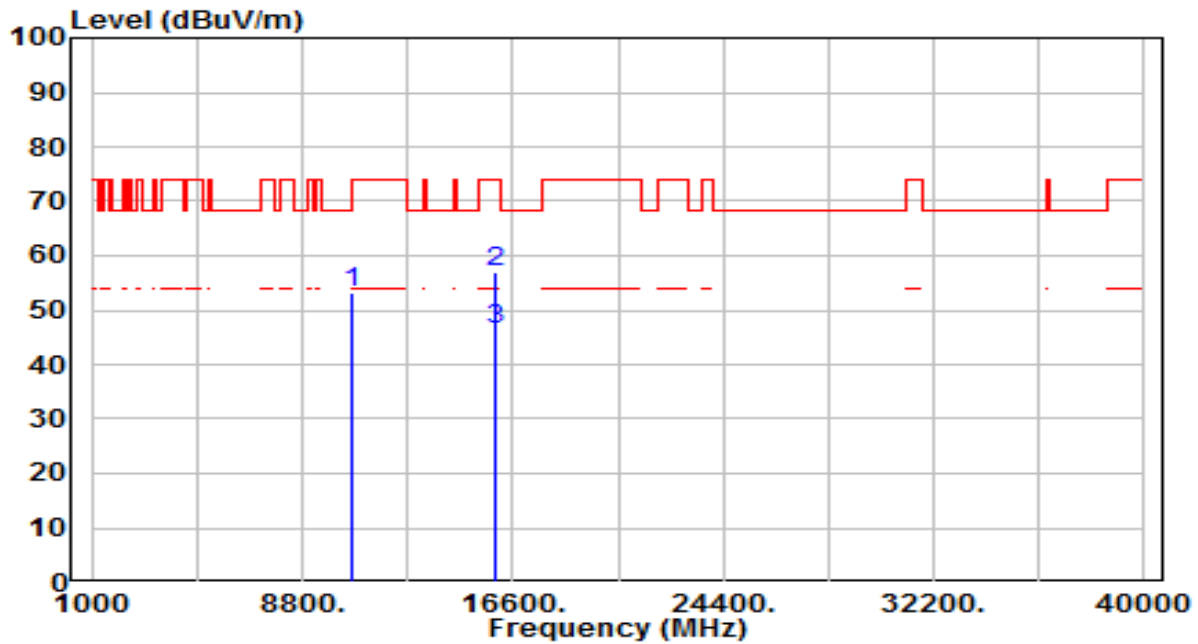


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	33.13	19.78	52.91	-15.29	68.20	100	358	Peak
2		15900.000	34.79	21.59	56.38	-17.62	74.00	100	64	Peak
3	*	15900.000	24.30	21.59	45.89	-8.11	54.00	100	64	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

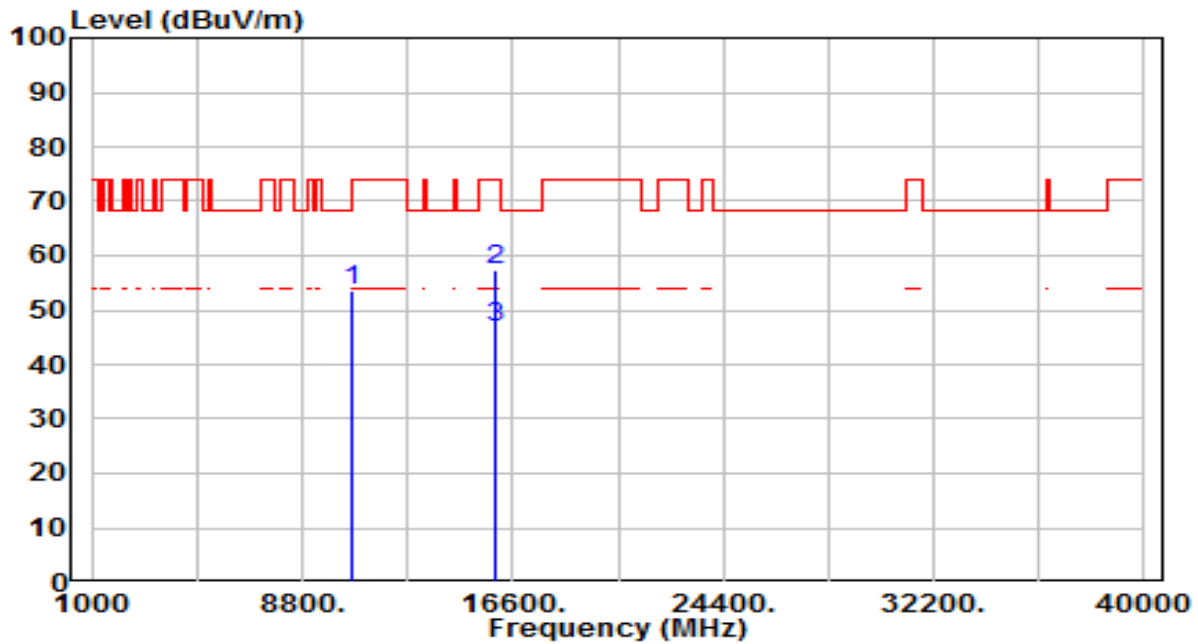


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10640.000	33.30	19.86	53.15	-20.85	74.00	100	333	Peak
2	* 15960.000	35.59	21.43	57.02	-16.98	74.00	100	236	Peak
3	* 15960.000	25.10	21.43	46.53	-7.47	54.00	100	236	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

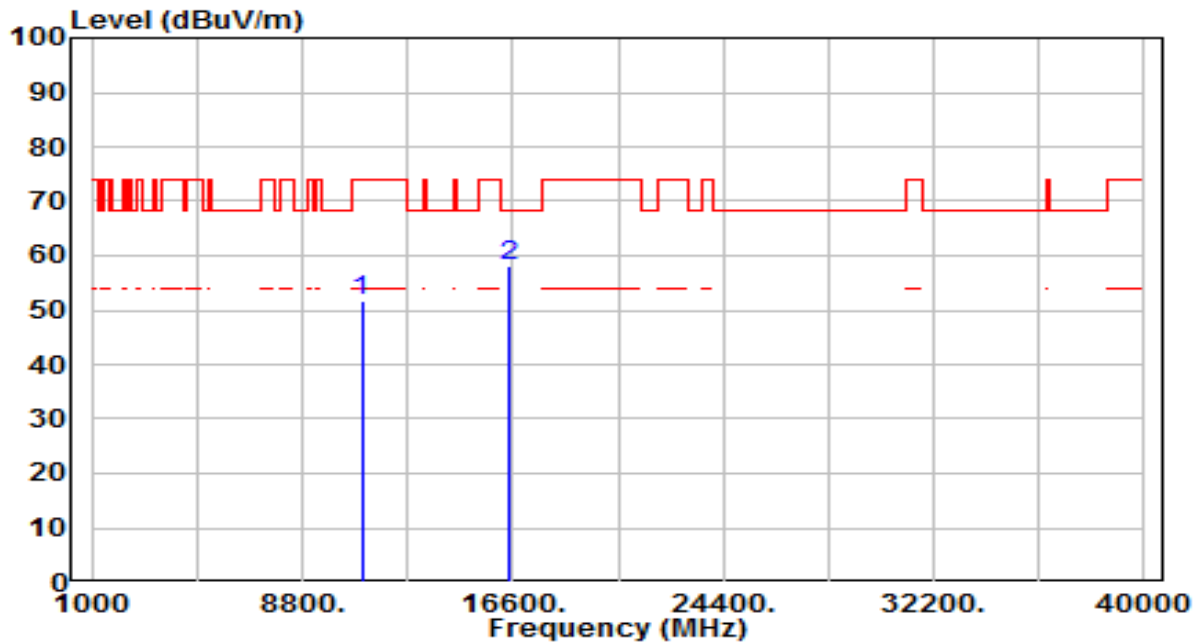


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10640.000	33.63	19.86	53.48	-20.52	74.00	100	0	Peak
2	* 15960.000	35.76	21.43	57.20	-16.80	74.00	100	272	Peak
3	* 15960.000	25.30	21.43	46.73	-7.27	54.00	100	272	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

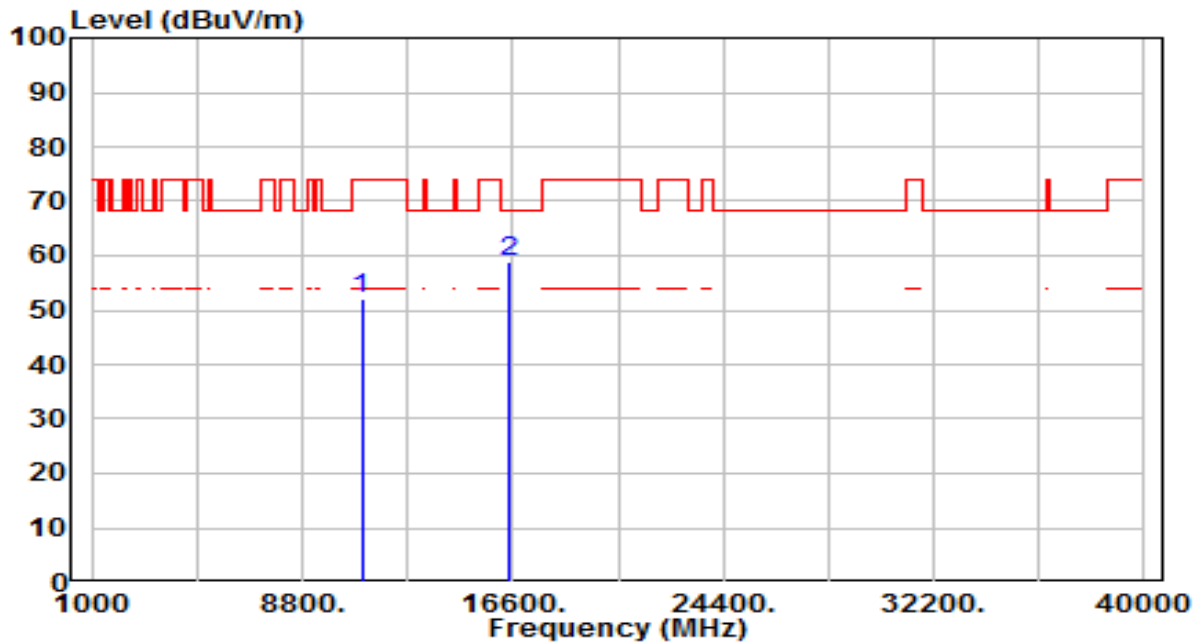


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	31.12	20.44	51.56	-22.44	74.00	100	278	Peak
2	* 16500.000	35.13	22.94	58.06	-10.14	68.20	100	354	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

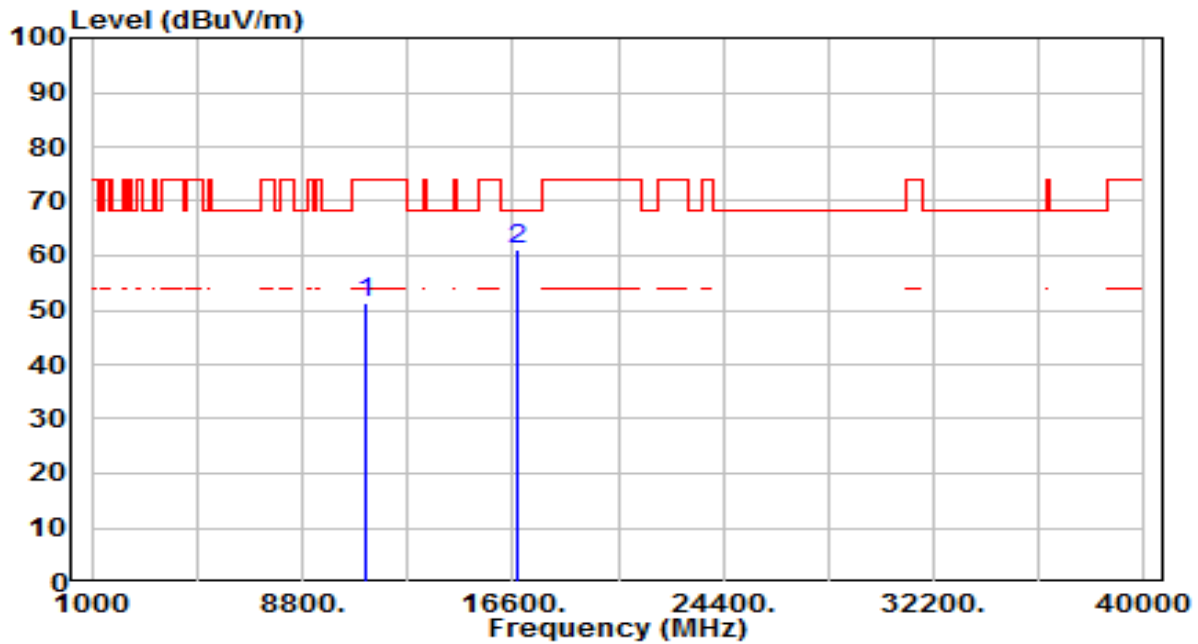


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	31.53	20.44	51.97	-22.03	74.00	100	0	Peak
2	* 16500.000	35.86	22.94	58.80	-9.40	68.20	100	24	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 116_ANT 0	Test Voltage	By Notebook PC

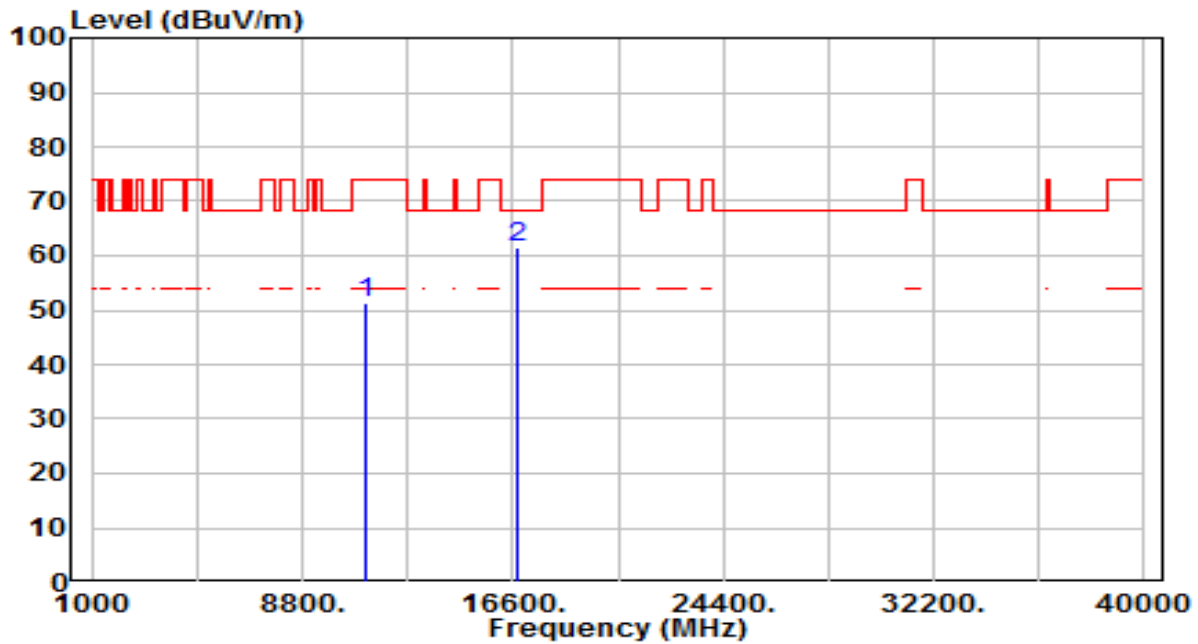


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11160.000	30.44	20.81	51.24	-22.76	74.00	100	77	Peak
2	* 16740.000	36.49	24.51	61.00	-7.20	68.20	100	113	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 116_ANT 0	Test Voltage	By Notebook PC

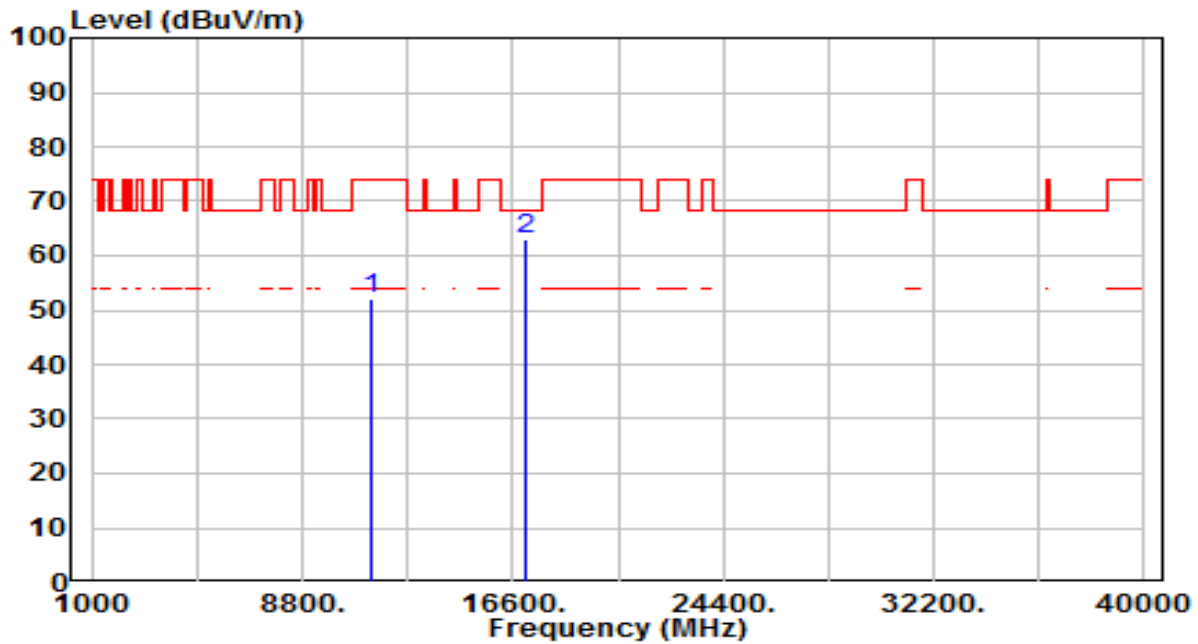


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11160.000	30.36	20.81	51.17	-22.83	74.00	100	120	Peak
2	* 16740.000	36.93	24.51	61.44	-6.76	68.20	100	360	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

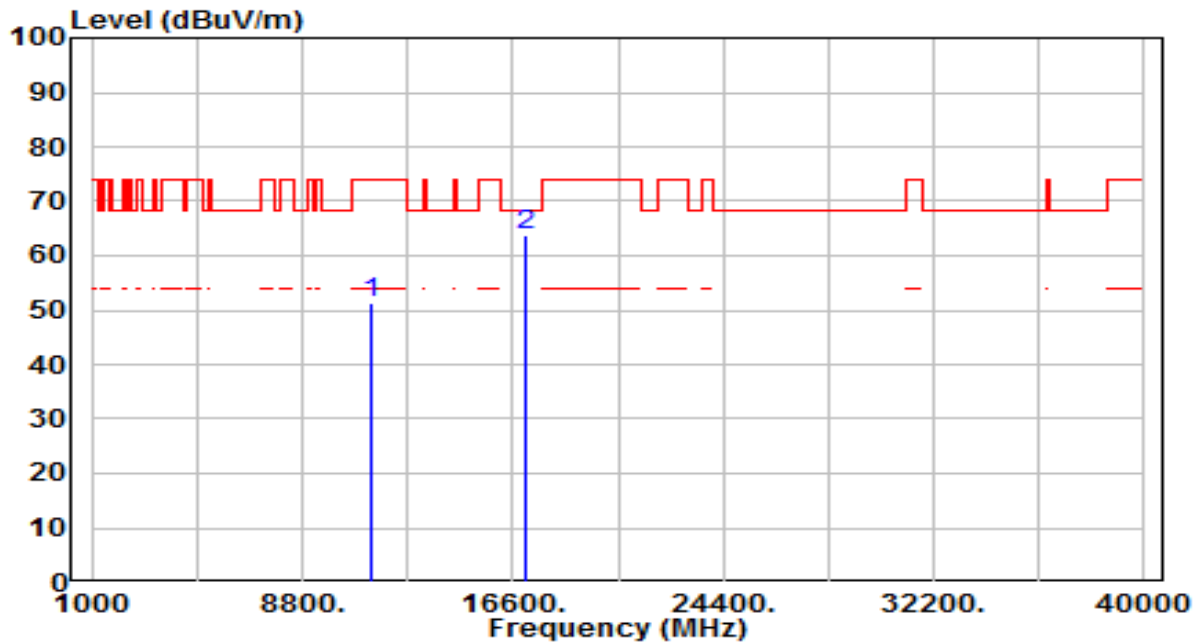


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	30.64	21.31	51.95	-22.05	74.00	100	357	Peak
2	* 17100.000	35.97	26.98	62.95	-5.25	68.20	100	236	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

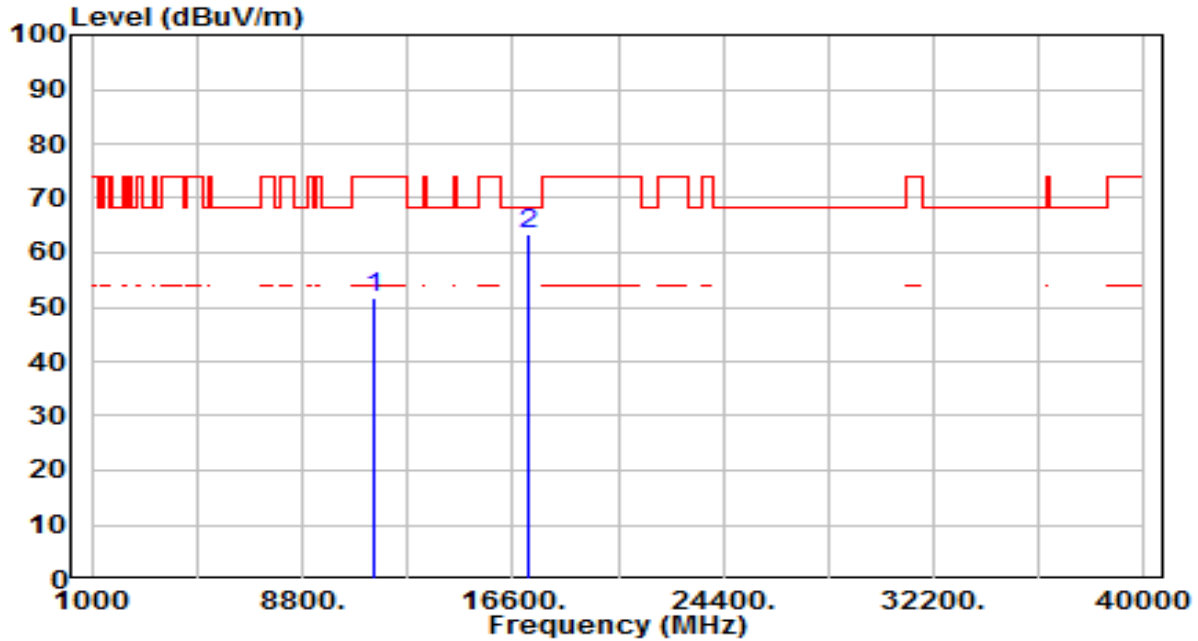


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	30.06	21.31	51.37	-22.63	74.00	100	267	Peak
2	* 17100.000	36.63	26.98	63.61	-4.59	68.20	100	60	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 144_ANT 0	Test Voltage	By Notebook PC

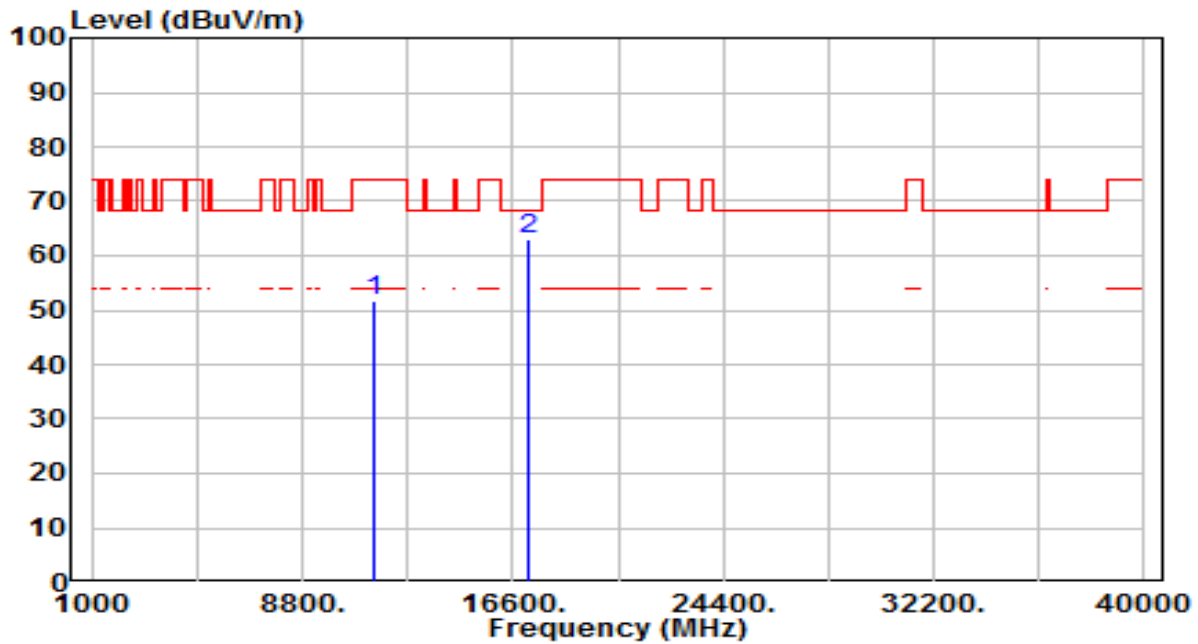


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11440.000	30.49	21.38	51.87	-22.13	74.00	100	48	Peak
2	* 17160.000	35.80	27.44	63.24	-4.96	68.20	100	83	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 144_ANT 0	Test Voltage	By Notebook PC

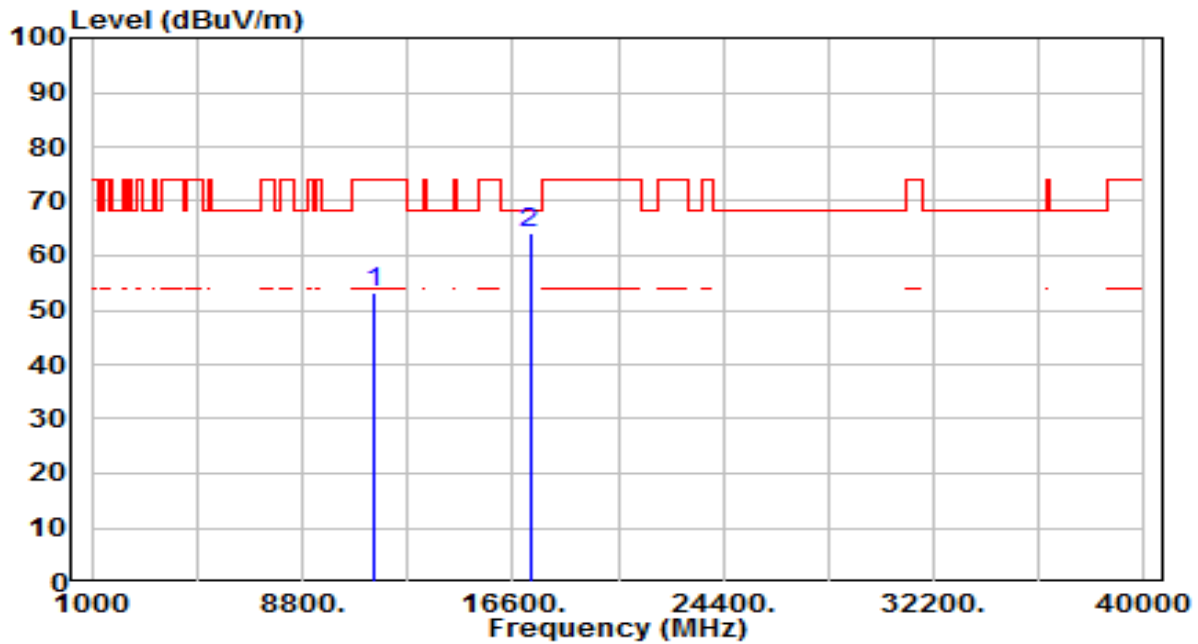


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11440.000	30.40	21.38	51.78	-22.22	74.00	100	343	Peak
2	* 17160.000	35.50	27.44	62.94	-5.26	68.20	100	130	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

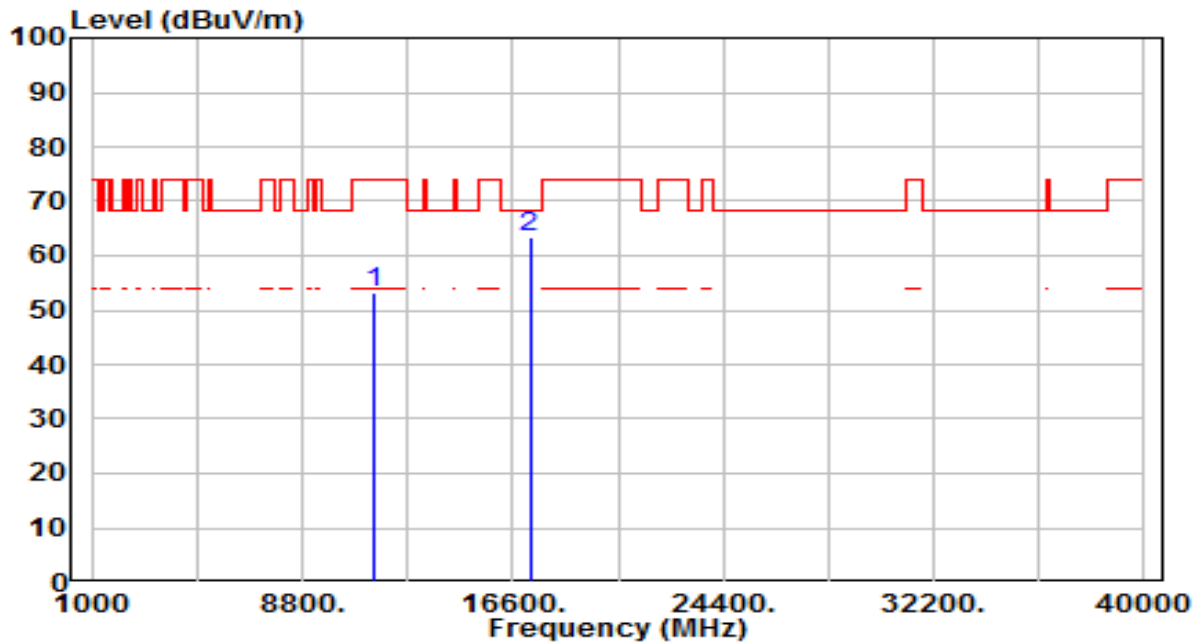


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	31.84	21.46	53.31	-20.69	74.00	100	118	Peak
2	* 17235.000	35.92	28.05	63.97	-4.23	68.20	100	78	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

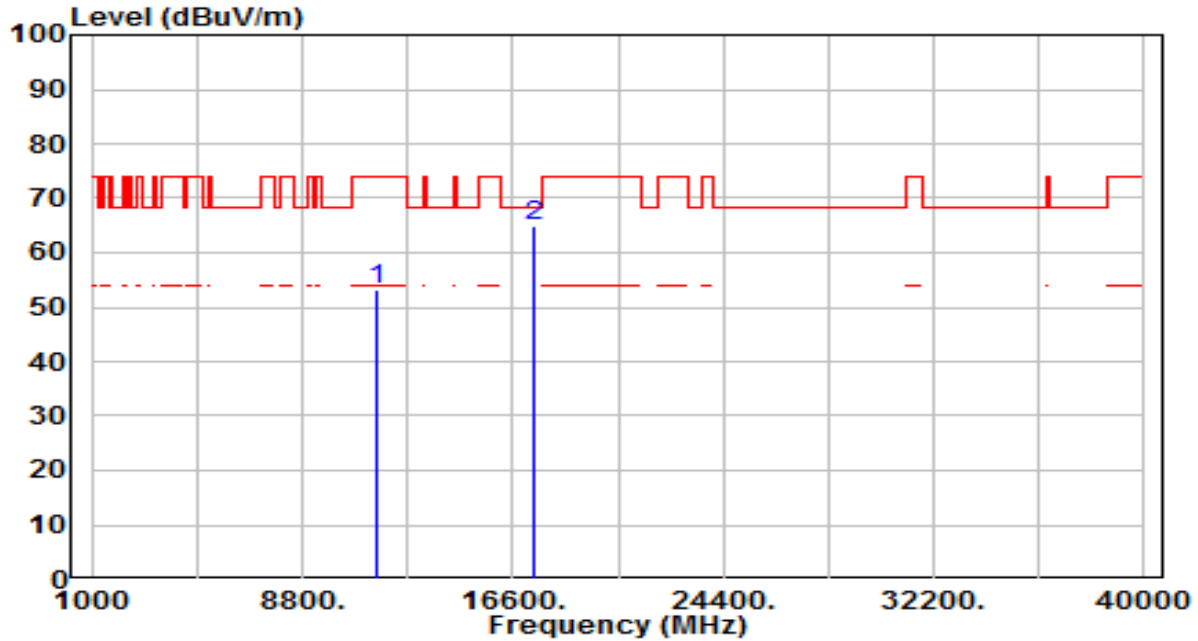


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	31.79	21.46	53.25	-20.75	74.00	100	176	Peak
2	* 17235.000	35.42	28.05	63.46	-4.74	68.20	100	196	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 157_ANT 0	Test Voltage	By Notebook PC

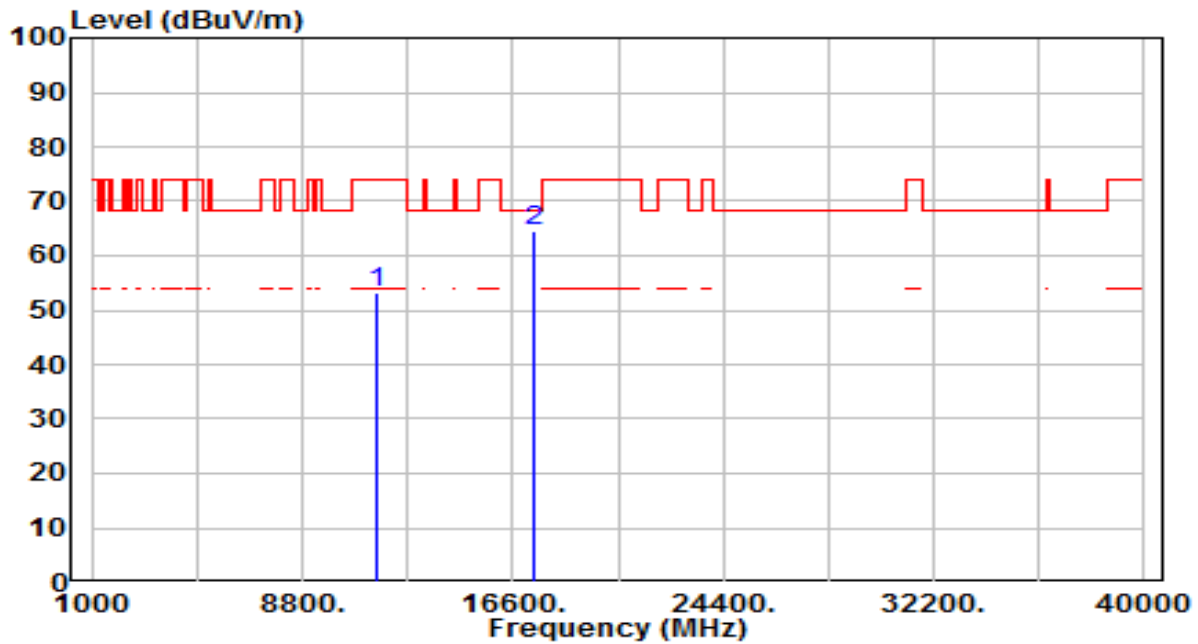


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	31.70	21.34	53.04	-20.96	74.00	100	37	Peak
2	* 17355.000	35.79	29.00	64.80	-3.40	68.20	100	103	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 157_ANT 0	Test Voltage	By Notebook PC

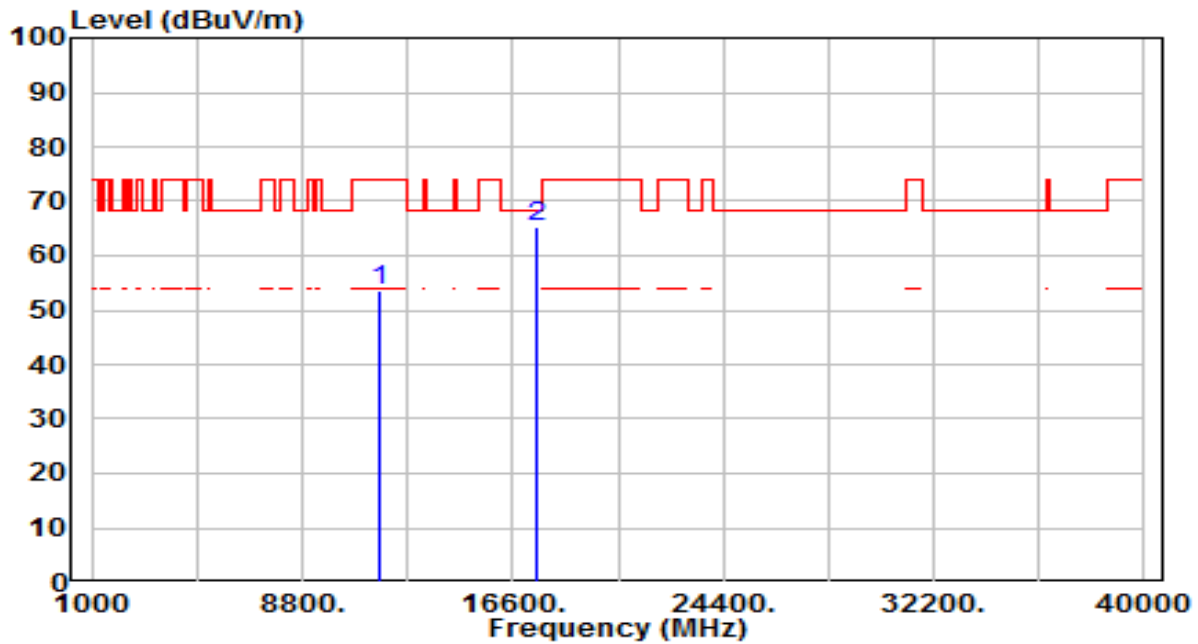


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	31.71	21.34	53.05	-20.95	74.00	100	252	Peak
2	* 17355.000	35.67	29.00	64.67	-3.53	68.20	100	252	Peak

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.

EUT	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

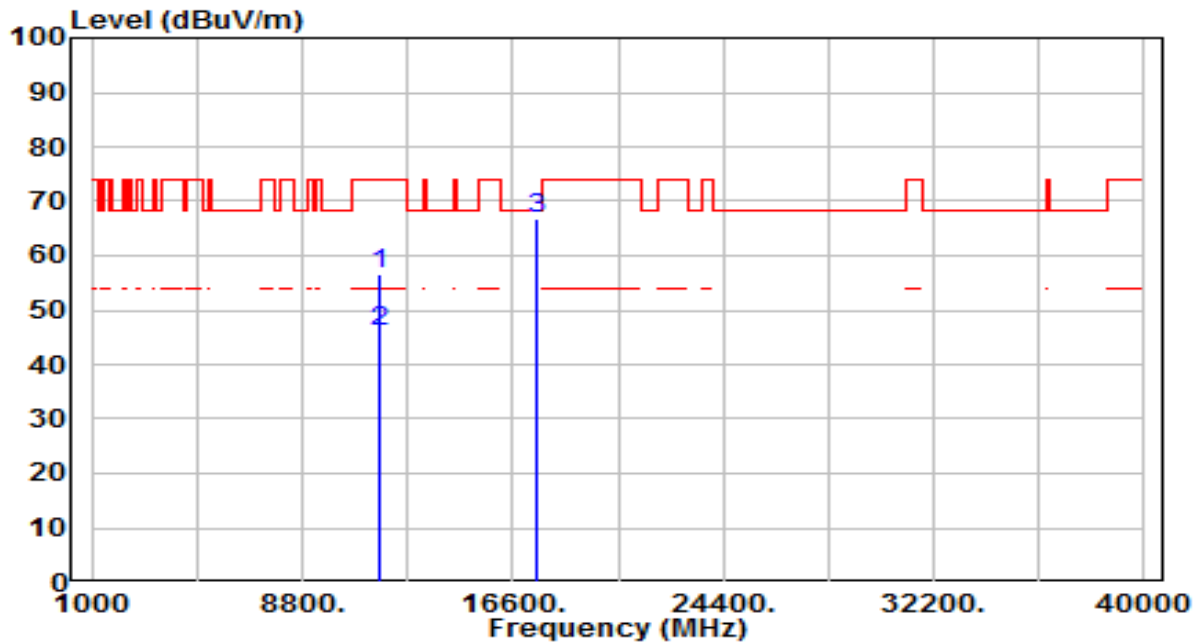


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	32.48	21.16	53.64	-20.36	74.00	100	118	Peak
2	* 17475.000	35.50	29.95	65.44	-2.76	68.20	100	320	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

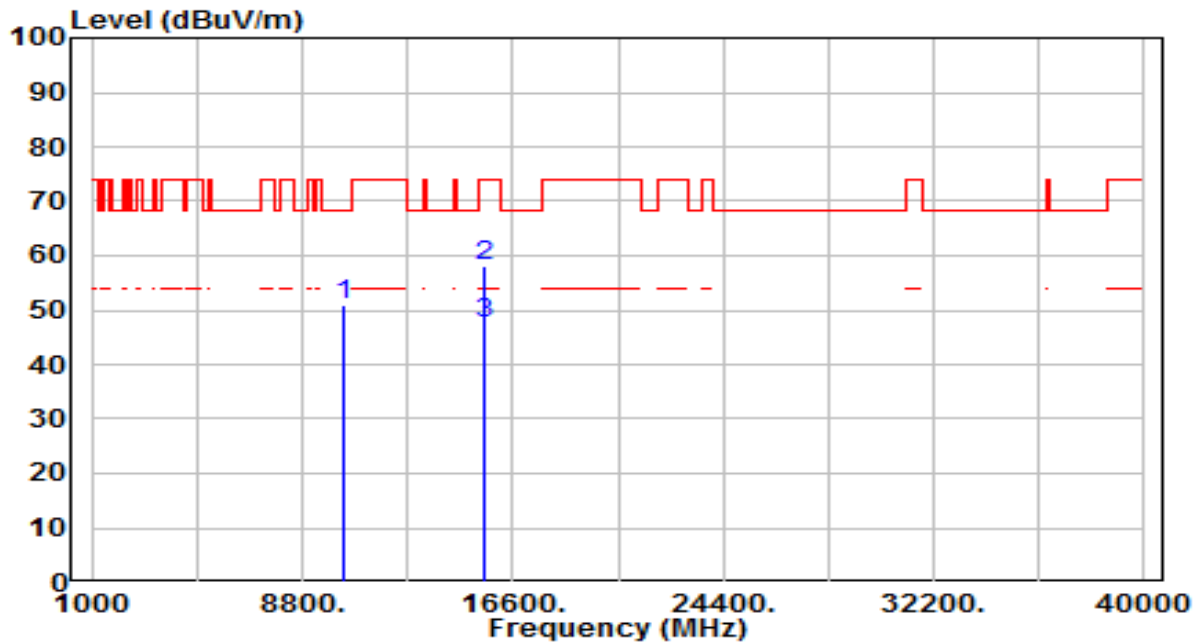


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	35.30	21.16	56.46	-17.54	74.00	100	176	Peak
2	* 11650.000	25.00	21.16	46.16	-7.84	54.00	100	176	Average
3	* 17475.000	36.83	29.95	66.78	-1.42	68.20	100	293	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	By Notebook PC

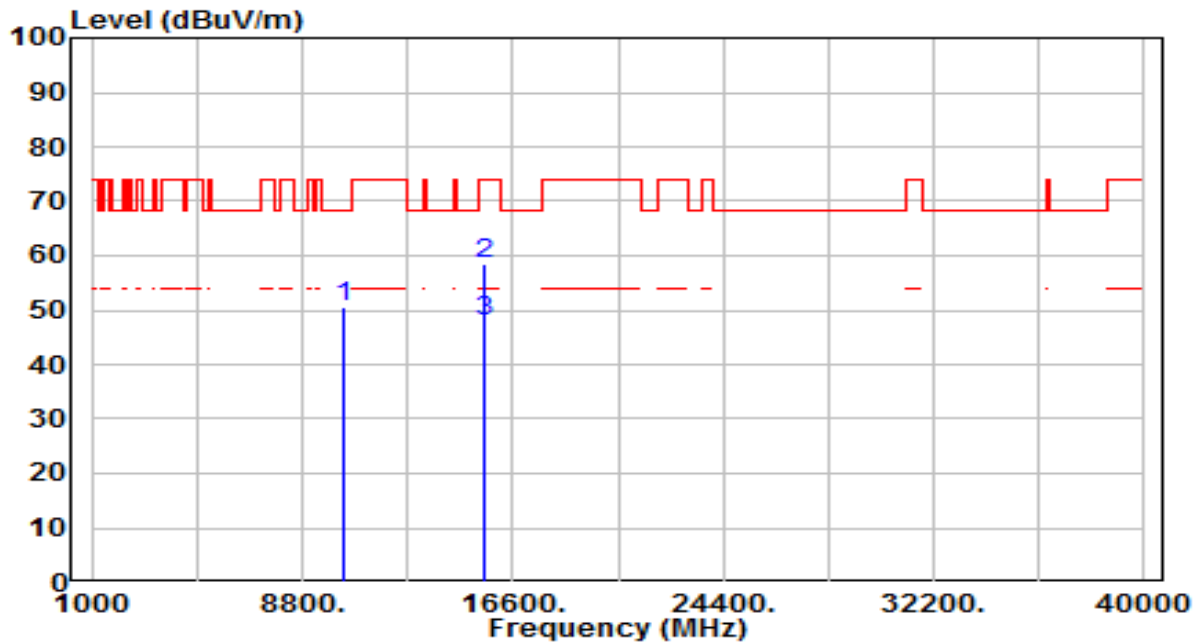


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10380.000	31.79	19.05	50.84	-17.36	68.20	100	47	Peak
2	* 15570.000	35.81	22.14	57.95	-16.05	74.00	100	98	Peak
3	* 15570.000	25.40	22.14	47.54	-6.46	54.00	100	98	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	By Notebook PC

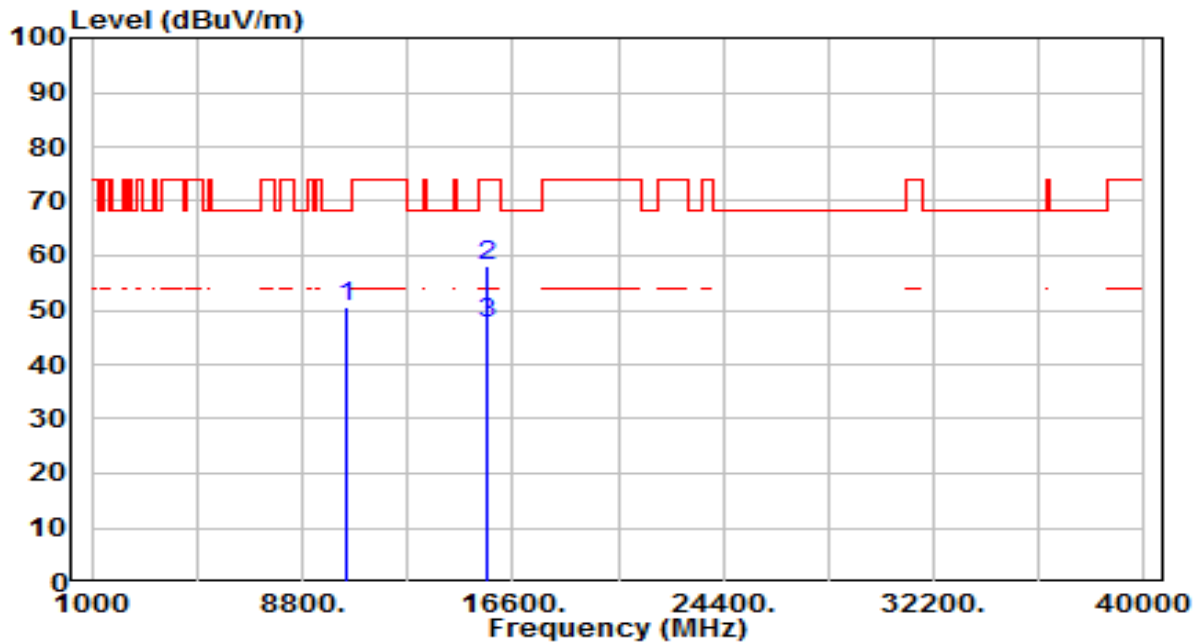


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10380.000	31.41	19.05	50.47	-17.73	68.20	100	55	Peak
2	* 15570.000	36.21	22.14	58.35	-15.65	74.00	100	360	Peak
3	* 15570.000	25.80	22.14	47.94	-6.06	54.00	100	360	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	By Notebook PC

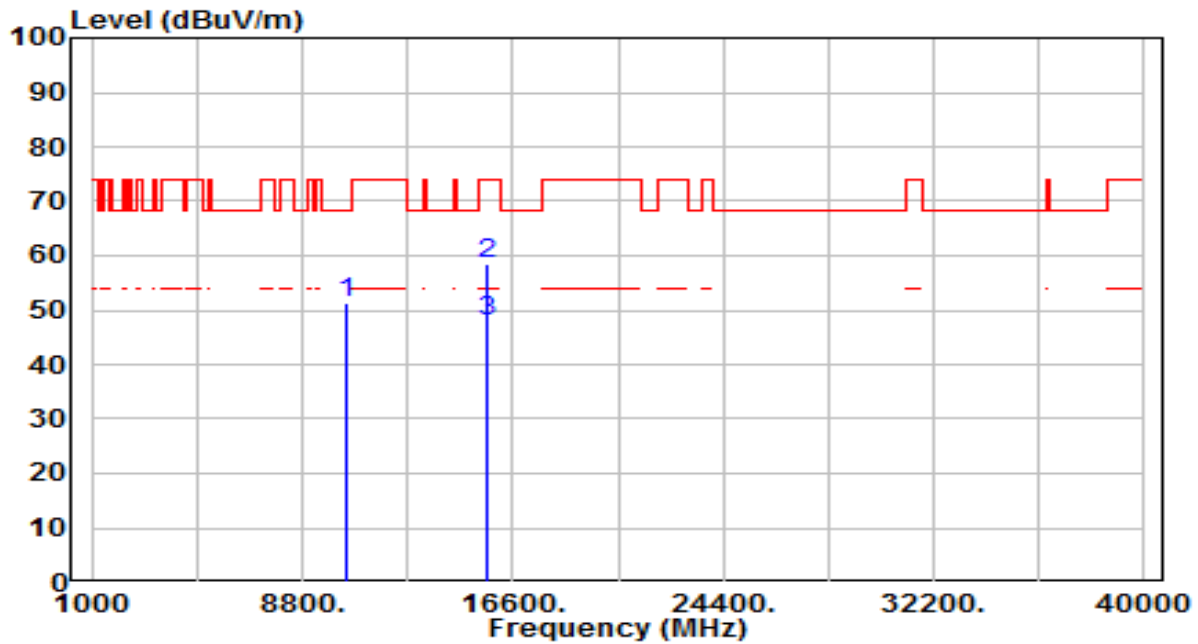


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10460.000	31.19	19.42	50.61	-17.59	68.20	100	88	Peak
2	* 15690.000	36.00	21.93	57.93	-16.07	74.00	100	244	Peak
3	* 15690.000	25.60	21.93	47.53	-6.47	54.00	100	244	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	By Notebook PC

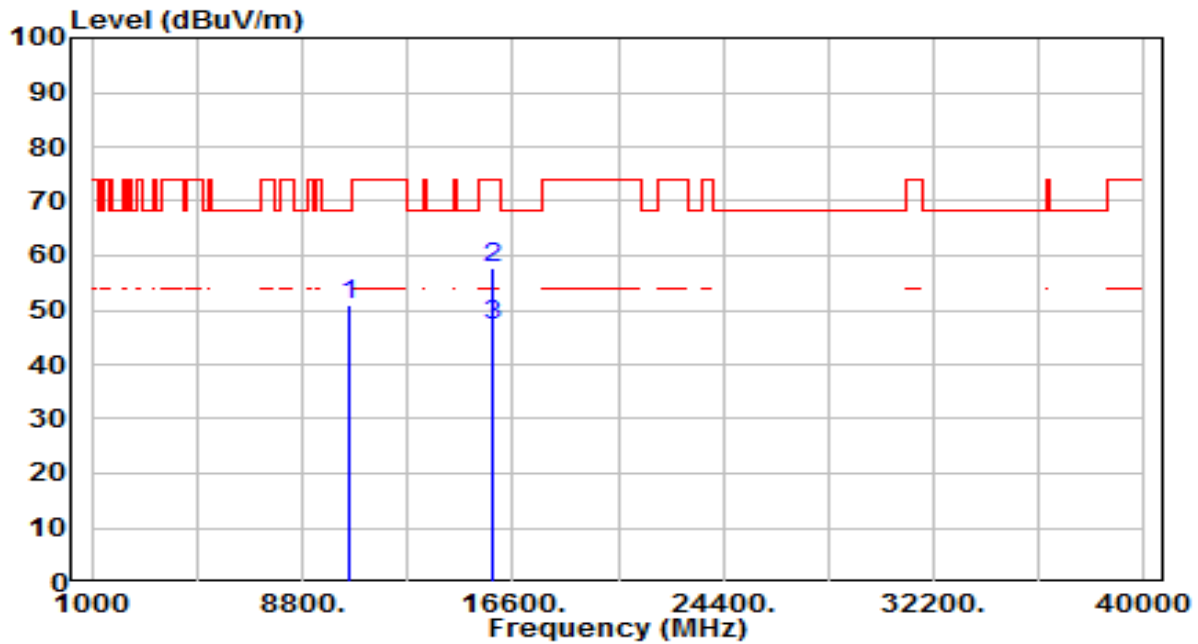


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10460.000	31.98	19.42	51.40	-16.80	68.20	100	297	Peak
2	* 15690.000	36.45	21.93	58.37	-15.63	74.00	100	317	Peak
3	* 15690.000	26.00	21.93	47.93	-6.07	54.00	100	317	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 54_ANT 0	Test Voltage	By Notebook PC

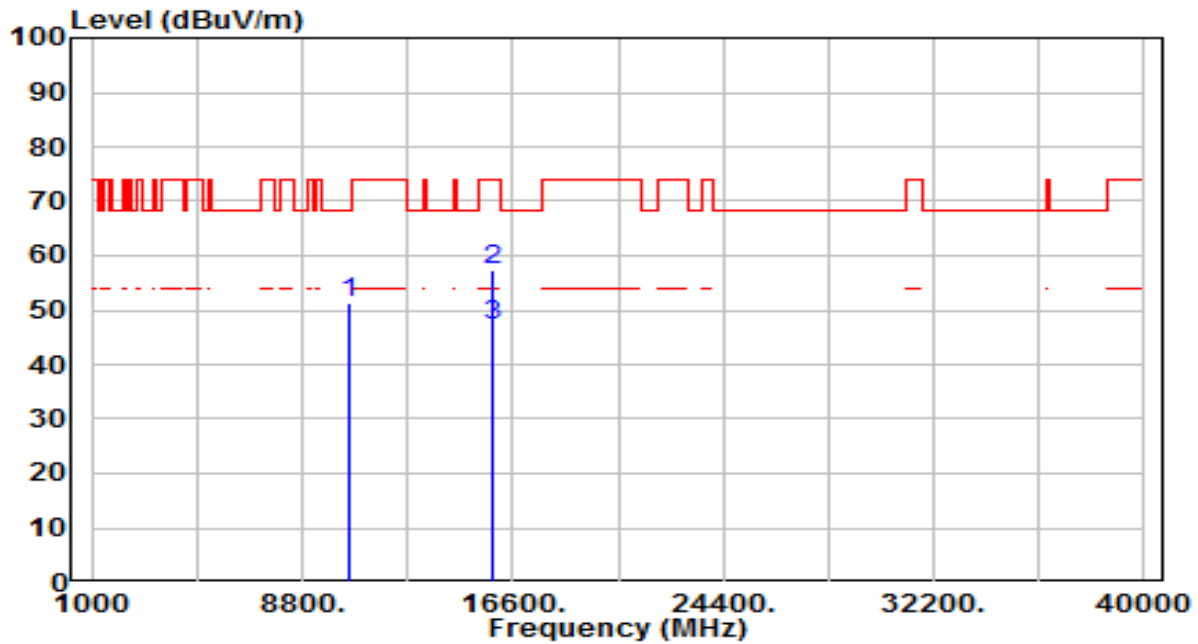


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10540.000	31.26	19.67	50.93	-17.27	68.20	100	78	Peak
2	* 15810.000	35.97	21.67	57.63	-16.37	74.00	100	276	Peak
3	* 15810.000	25.50	21.67	47.17	-6.83	54.00	100	276	Average

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 54_ANT 0	Test Voltage	By Notebook PC

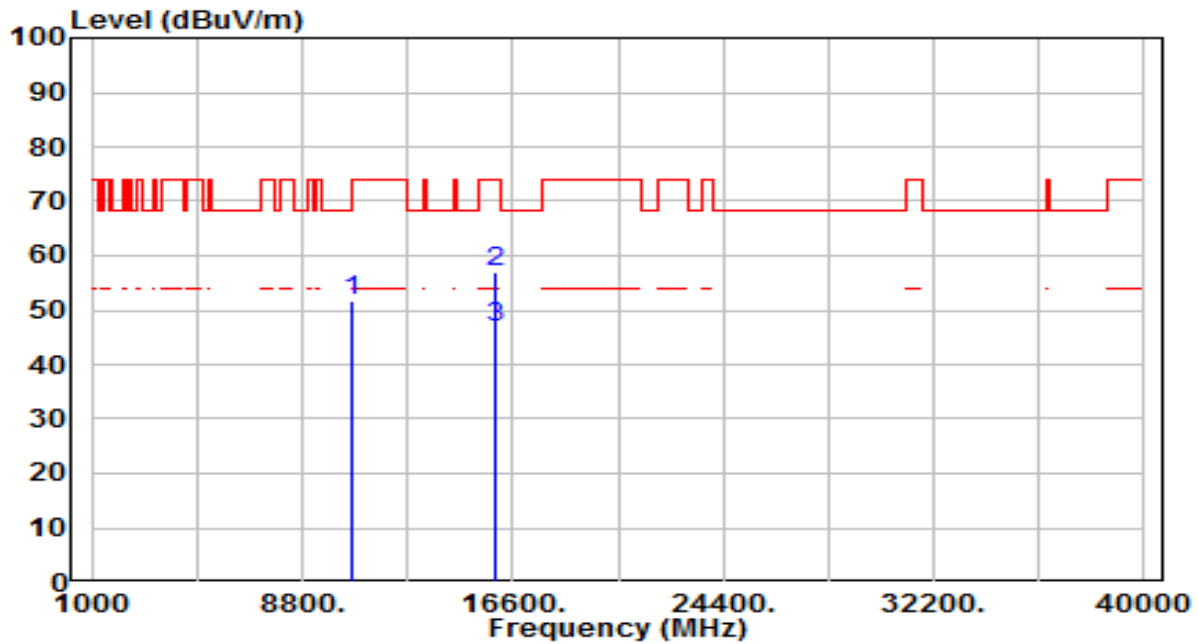


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10540.000	31.79	19.67	51.46	-16.74	68.20	100	360	Peak
2	* 15810.000	35.78	21.67	57.45	-16.55	74.00	100	360	Peak
3	* 15810.000	25.40	21.67	47.07	-6.93	54.00	100	360	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	By Notebook PC

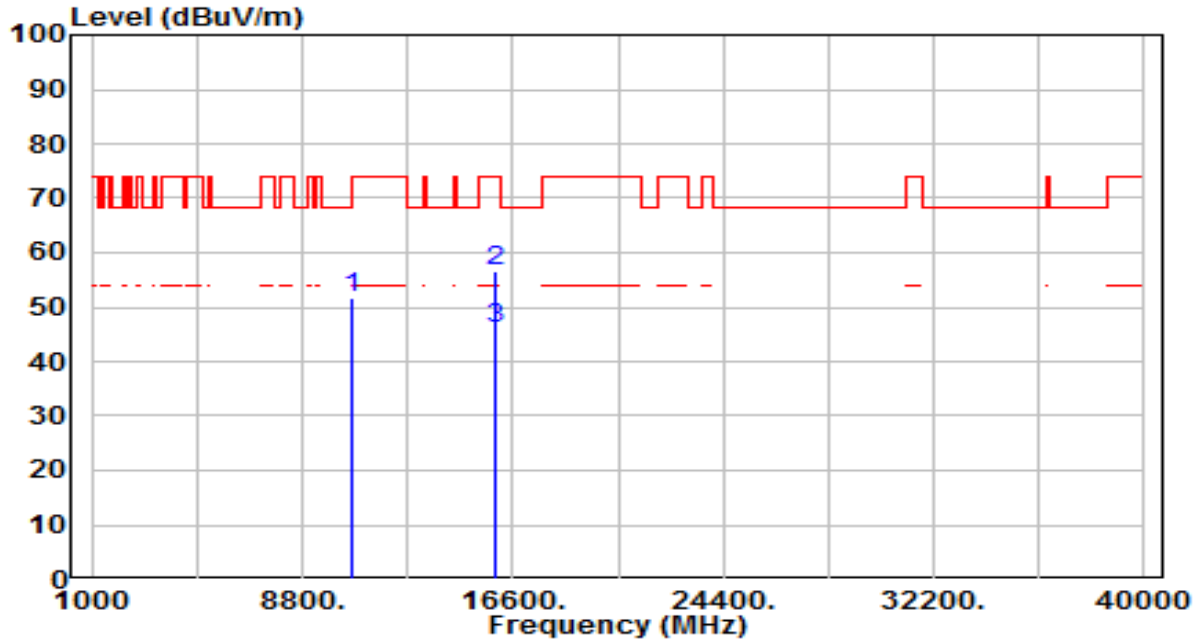


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10620.000	31.78	19.82	51.60	-22.40	74.00	100	119	Peak
2	* 15930.000	35.62	21.51	57.13	-16.87	74.00	100	246	Peak
3	* 15930.000	25.30	21.51	46.81	-7.19	54.00	100	246	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	By Notebook PC

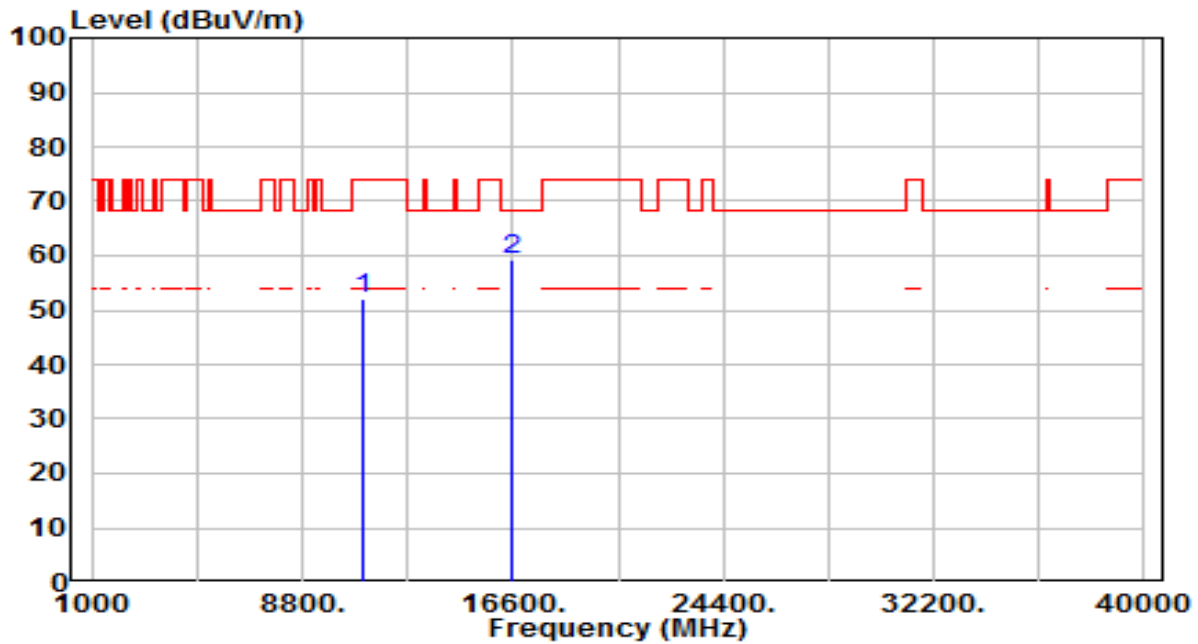


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10620.000	32.03	19.82	51.85	-22.15	74.00	100	277	Peak
2	* 15930.000	35.09	21.51	56.60	-17.40	74.00	100	323	Peak
3	* 15930.000	24.60	21.51	46.11	-7.89	54.00	100	323	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	By Notebook PC

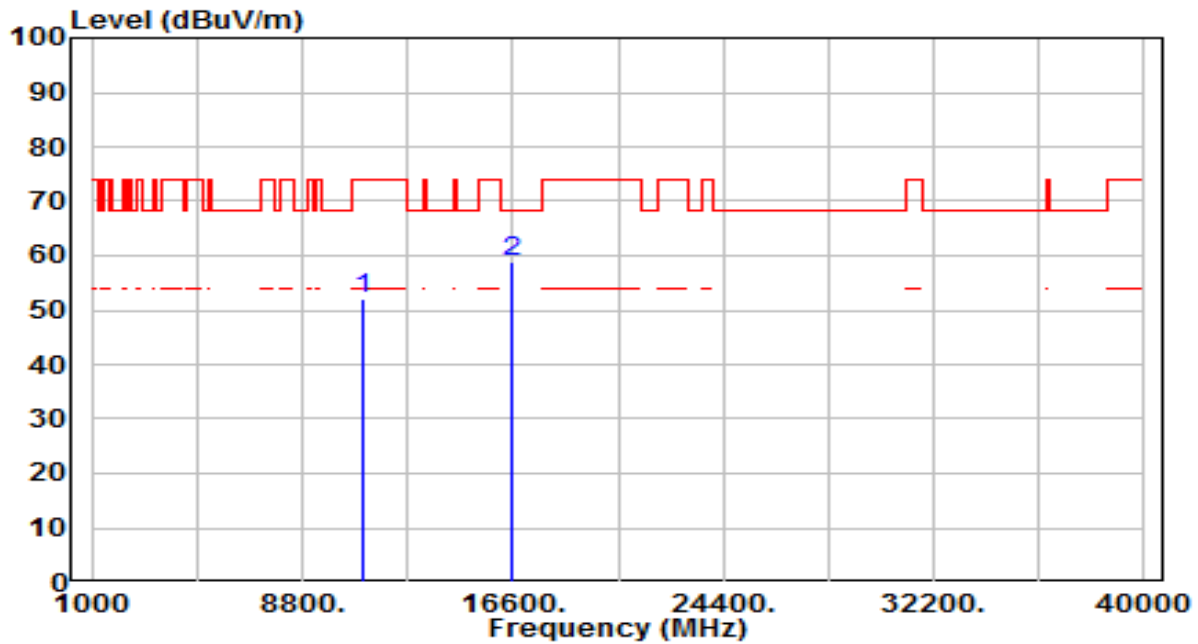


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11020.000	31.49	20.48	51.97	-22.03	74.00	100	310	Peak
2	* 16530.000	36.31	23.12	59.43	-8.77	68.20	100	103	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	By Notebook PC

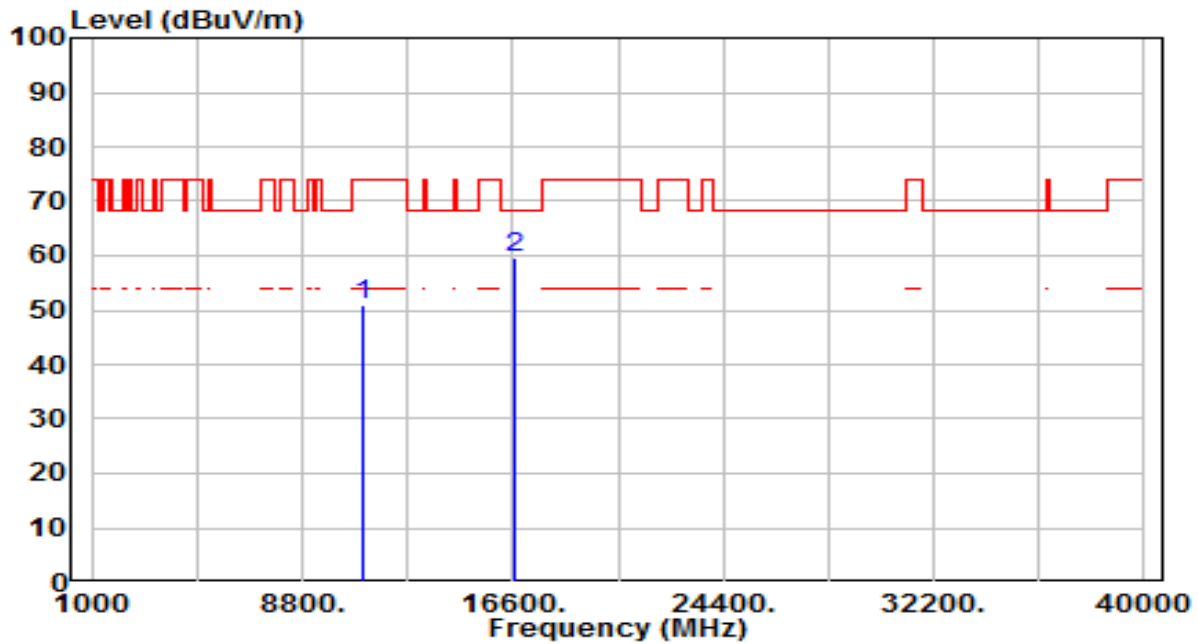


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11020.000	31.53	20.48	52.01	-21.99	74.00	100	272	Peak
2	* 16530.000	35.79	23.12	58.91	-9.29	68.20	100	40	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 110_ANT 0	Test Voltage	By Notebook PC

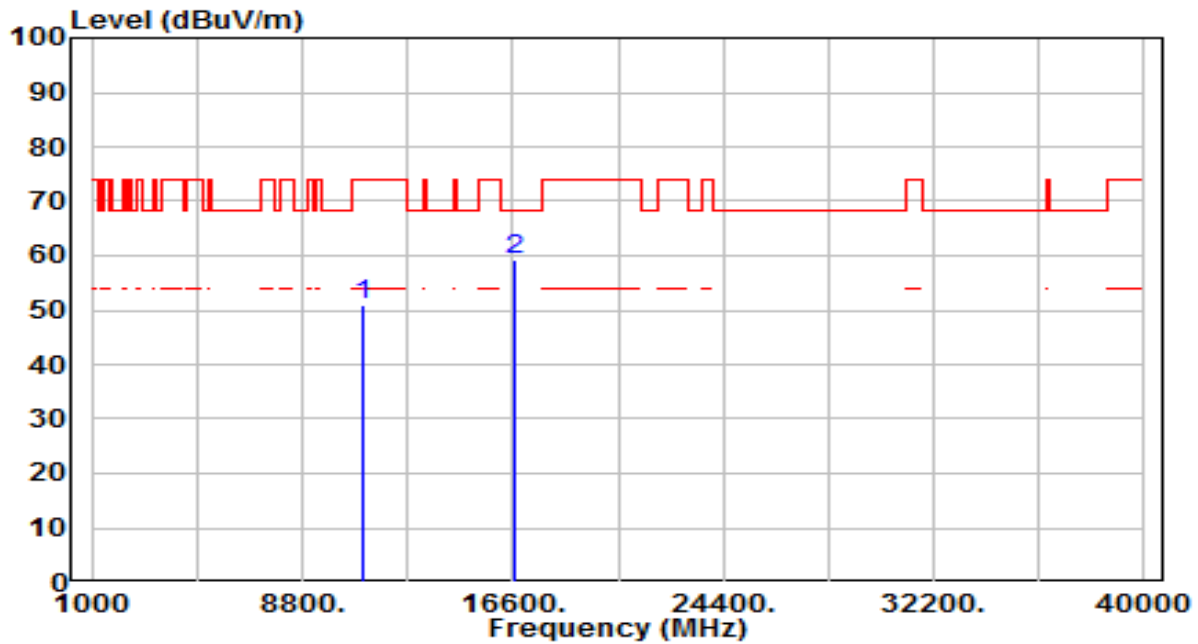


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11100.000	30.15	20.66	50.80	-23.20	74.00	100	209	Peak
2	* 16650.000	35.81	23.90	59.71	-8.49	68.20	100	359	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 110_ANT 0	Test Voltage	By Notebook PC

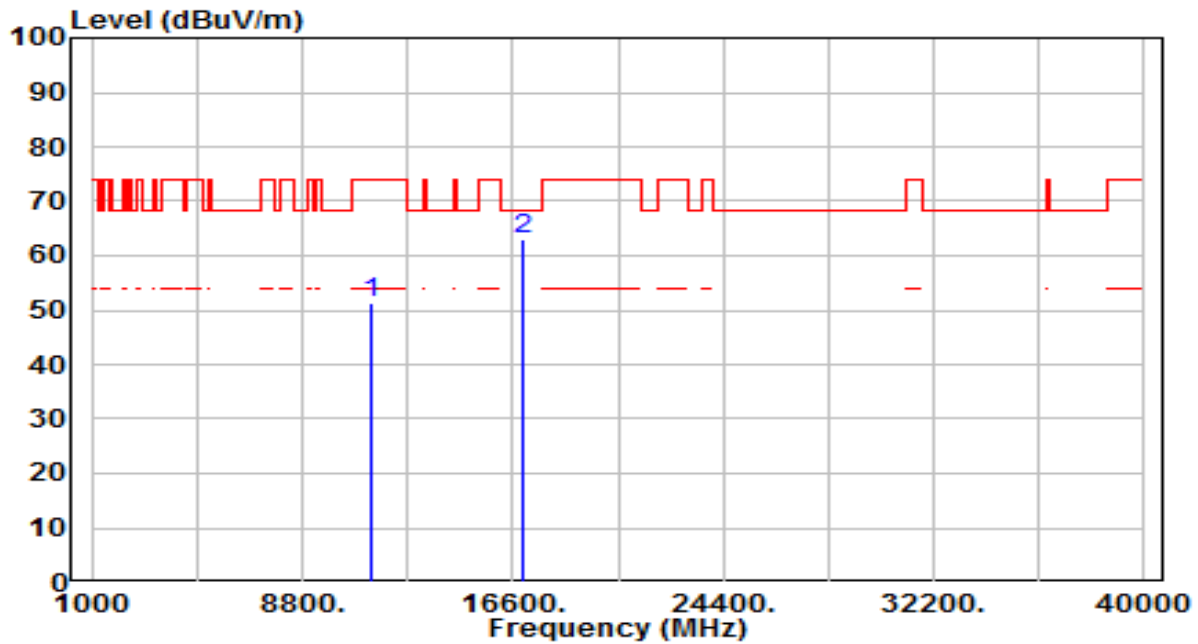


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11100.000	30.45	20.66	51.10	-22.90	74.00	100	33	Peak
2	* 16650.000	35.40	23.90	59.30	-8.90	68.20	100	175	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	By Notebook PC

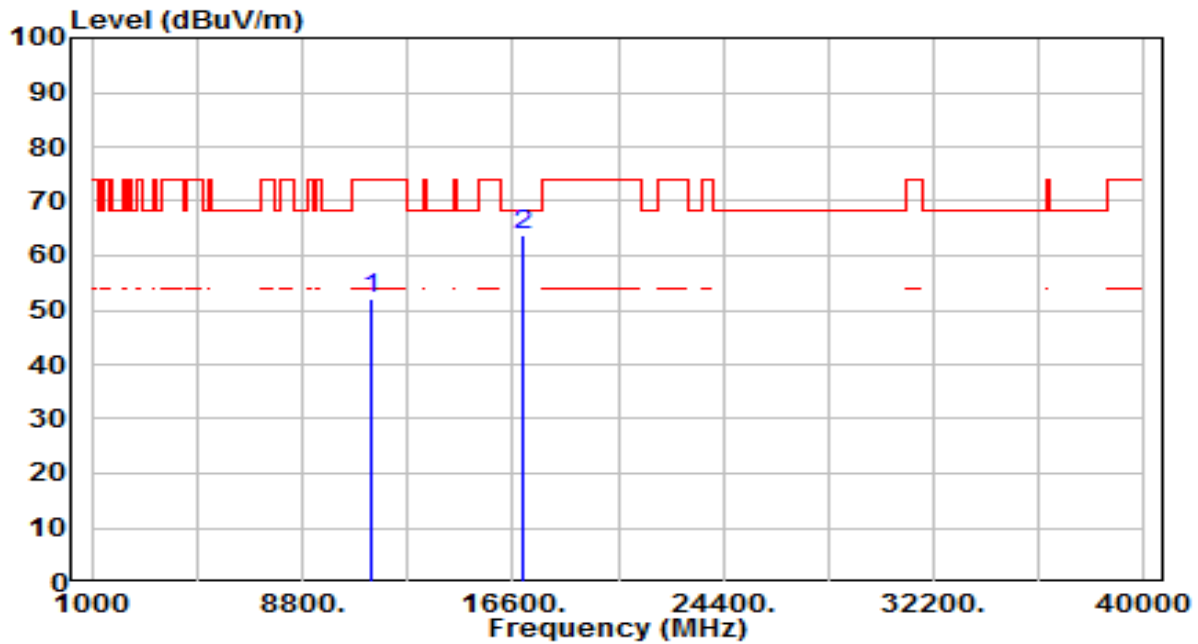


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11340.000	30.01	21.21	51.22	-22.78	74.00	100	80	Peak
2	* 17010.000	36.64	26.31	62.95	-5.25	68.20	100	65	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	By Notebook PC

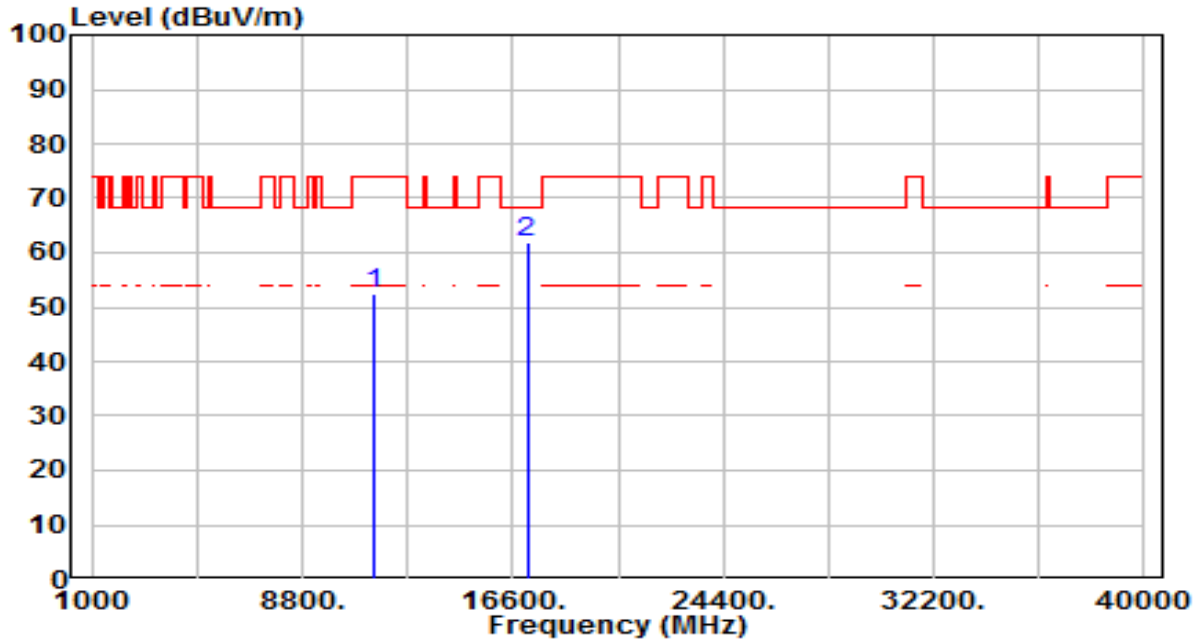


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11340.000	30.82	21.21	52.03	-21.97	74.00	100	112	Peak
2	* 17010.000	37.40	26.31	63.71	-4.49	68.20	100	148	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 142_ANT 0	Test Voltage	By Notebook PC

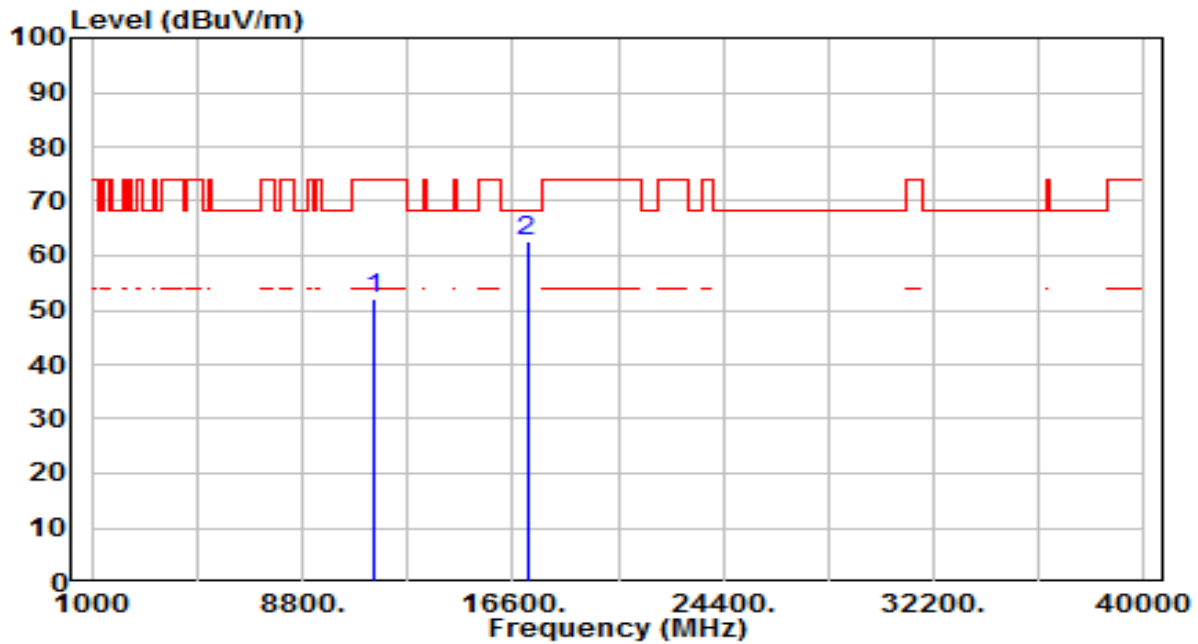


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11420.000	31.10	21.35	52.45	-21.55	74.00	100	2	Peak
2	* 17130.000	34.72	27.21	61.93	-6.27	68.20	100	78	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 142_ANT 0	Test Voltage	By Notebook PC

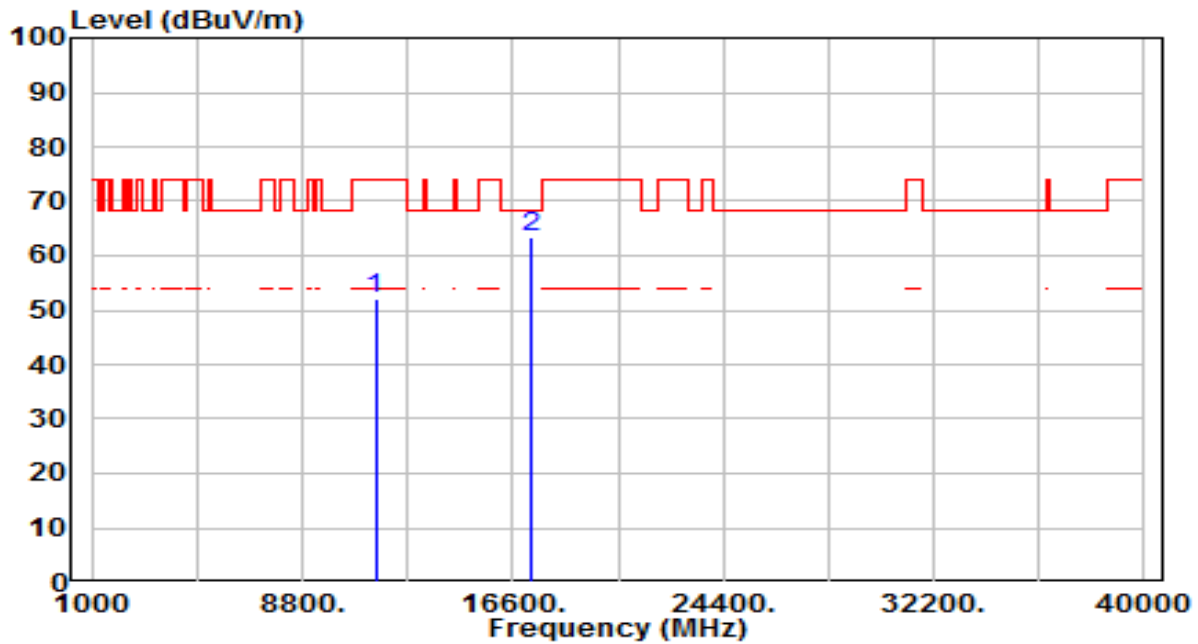


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11420.000	30.61	21.35	51.96	-22.04	74.00	100	94	Peak
2	* 17130.000	35.35	27.21	62.56	-5.64	68.20	100	23	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	By Notebook PC

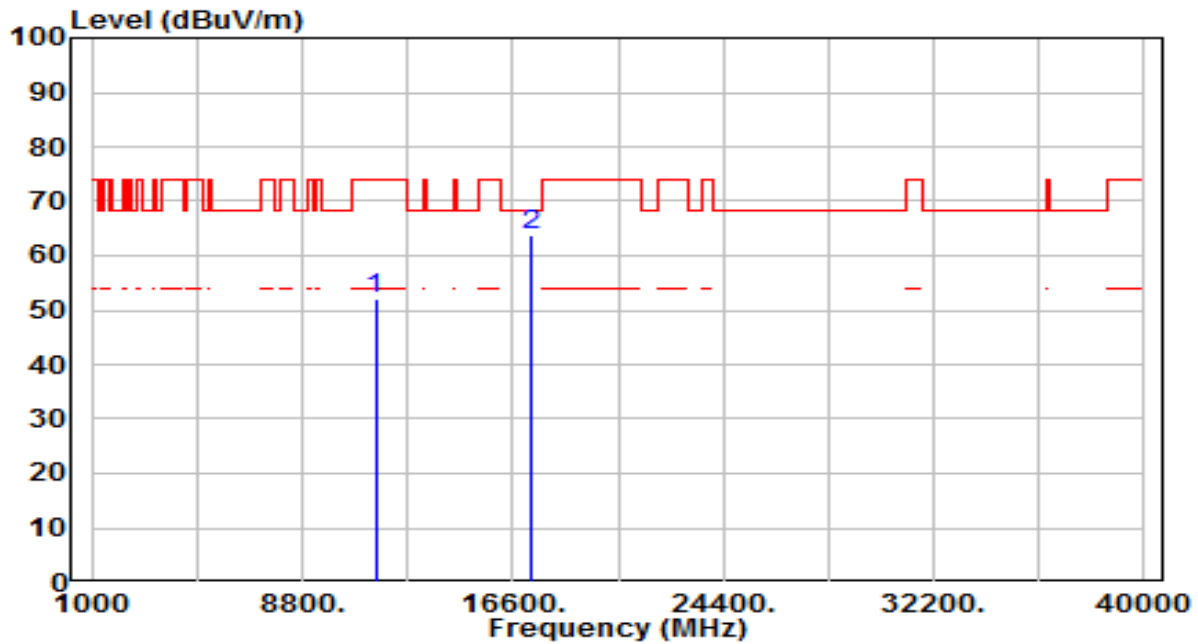


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11510.000	30.51	21.46	51.96	-22.04	74.00	100	195	Peak
2	* 17265.000	35.18	28.30	63.48	-4.72	68.20	100	185	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	By Notebook PC

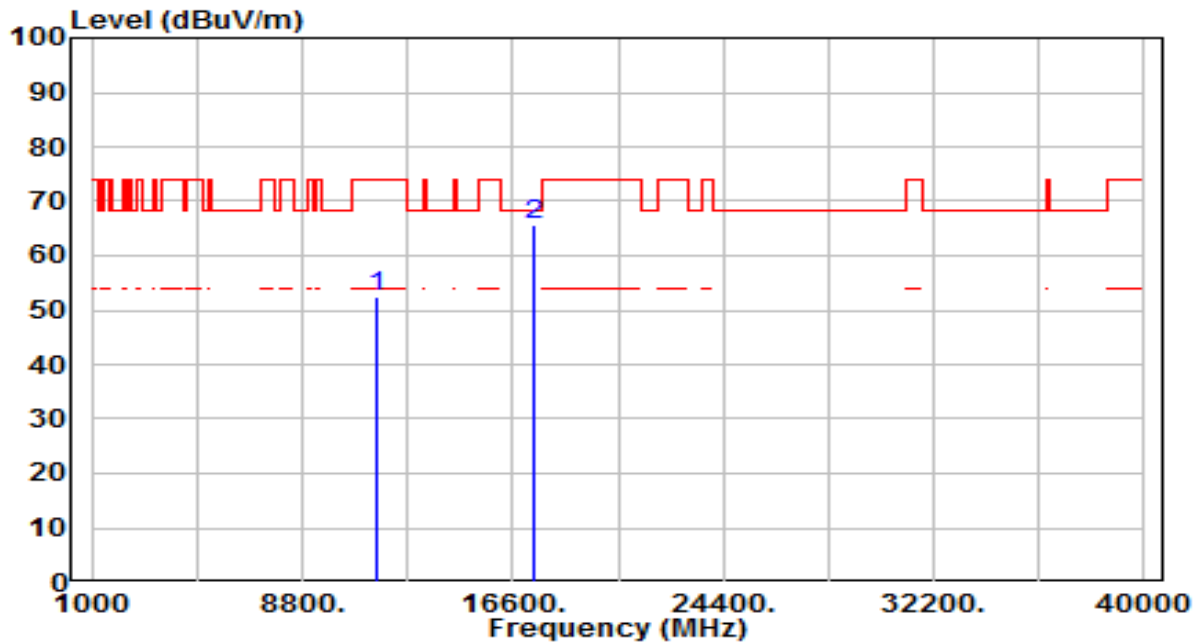


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11510.000	30.70	21.46	52.16	-21.84	74.00	100	28	Peak
2	* 17265.000	35.50	28.30	63.80	-4.40	68.20	100	38	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	By Notebook PC

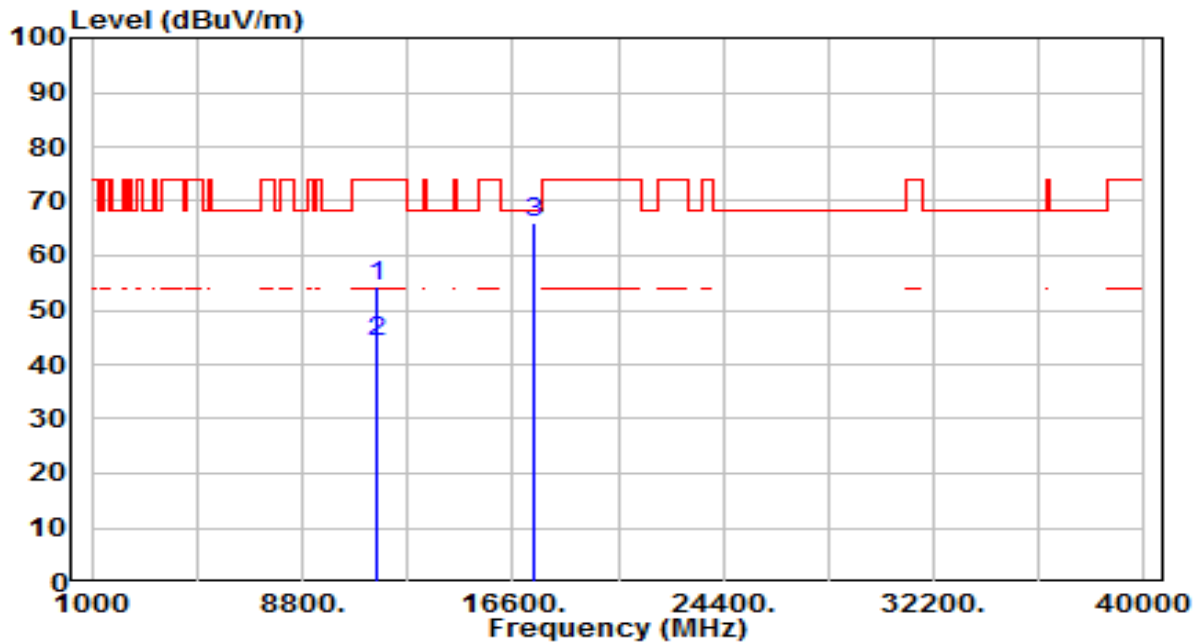


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11590.000	31.19	21.29	52.49	-21.51	74.00	100	205	Peak
2	* 17385.000	36.55	29.22	65.77	-2.43	68.20	100	170	Peak

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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	By Notebook PC

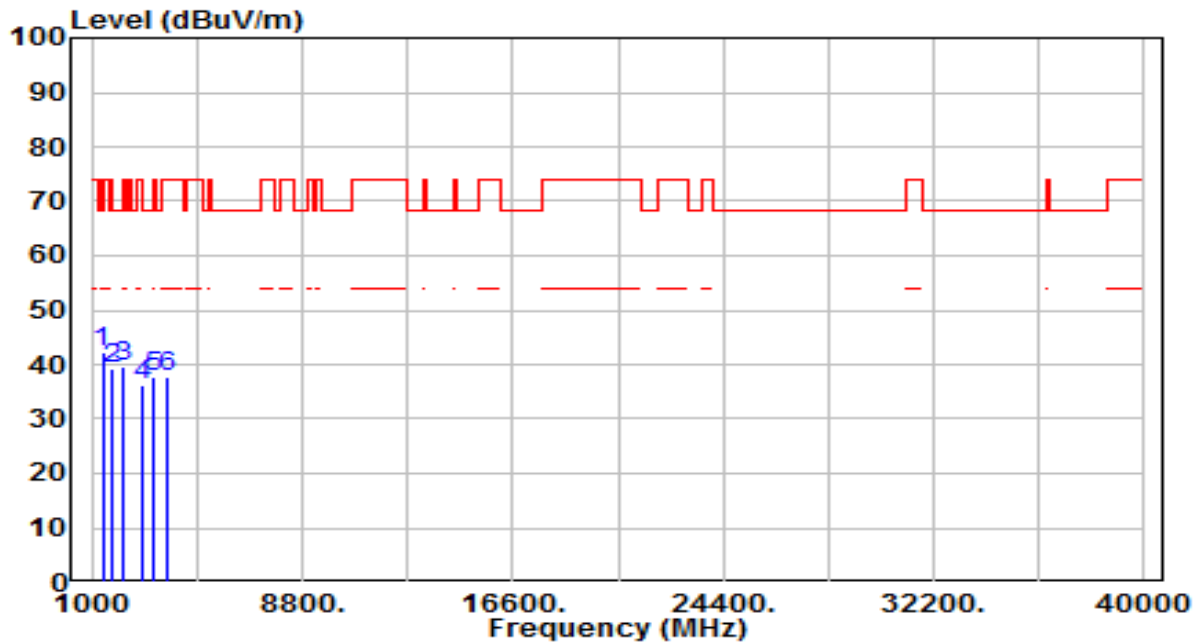


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11590.000	33.17	21.29	54.47	-19.53	74.00	100	155	Peak
2	* 11590.000	22.80	21.29	44.09	-9.91	54.00	100	155	Average
3	* 17385.000	36.69	29.22	65.91	-2.29	68.20	100	2	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC

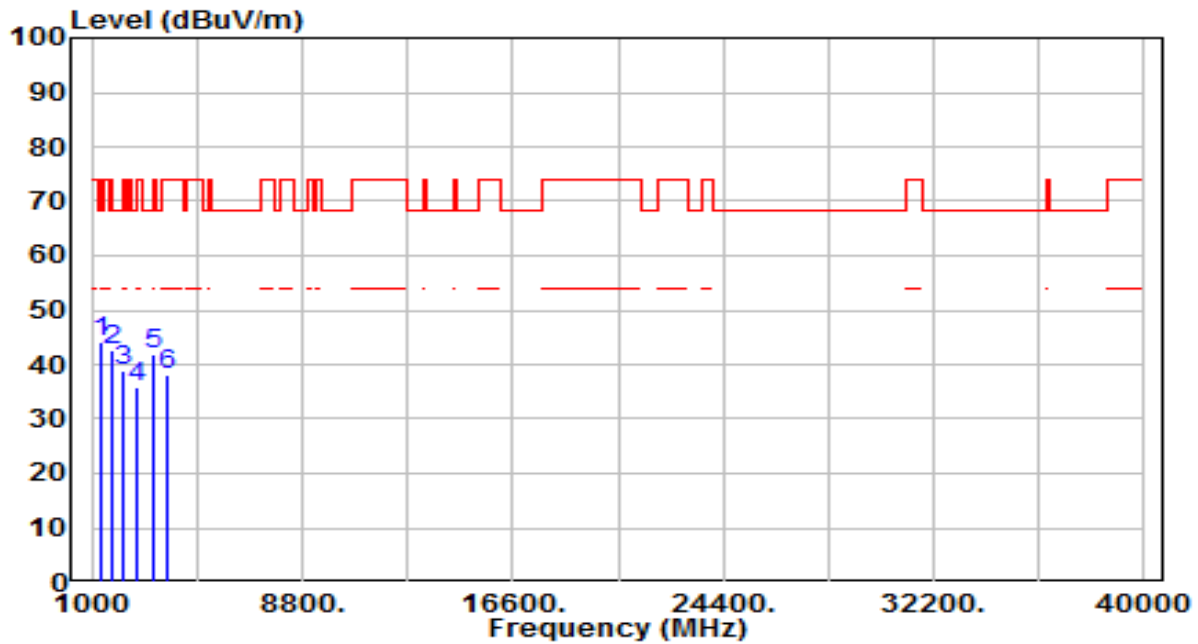


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1398.438	46.69	-4.27	42.42	-31.58	74.00	100	236	Peak
2	1730.469	42.56	-3.48	39.08	-29.12	68.20	100	360	Peak
3	* 2125.188	42.16	-2.48	39.67	-28.53	68.20	100	216	Peak
4	2845.031	37.67	-1.52	36.15	-37.85	74.00	100	134	Peak
5	3315.188	38.01	-0.45	37.57	-30.63	68.20	100	353	Peak
6	3789.594	36.86	1.00	37.85	-36.15	74.00	100	99	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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	By Notebook PC



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	1391.000	48.41	-4.30	44.11	-29.89	74.00	100	262	Peak
2	* 1785.188	45.99	-3.35	42.65	-25.55	68.20	100	241	Peak
3	2206.469	40.92	-2.18	38.73	-35.27	74.00	100	195	Peak
4	2699.469	37.21	-1.33	35.88	-38.12	74.00	100	246	Peak
5	3320.500	42.19	-0.42	41.76	-26.44	68.20	100	180	Peak
6	3761.969	37.05	0.90	37.95	-36.05	74.00	100	323	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.

7.8. Radiated Restricted Band Edge Measurement

7.8.1. 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	8.25 - 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 - 156.525	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	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For FCC transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

For IC transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

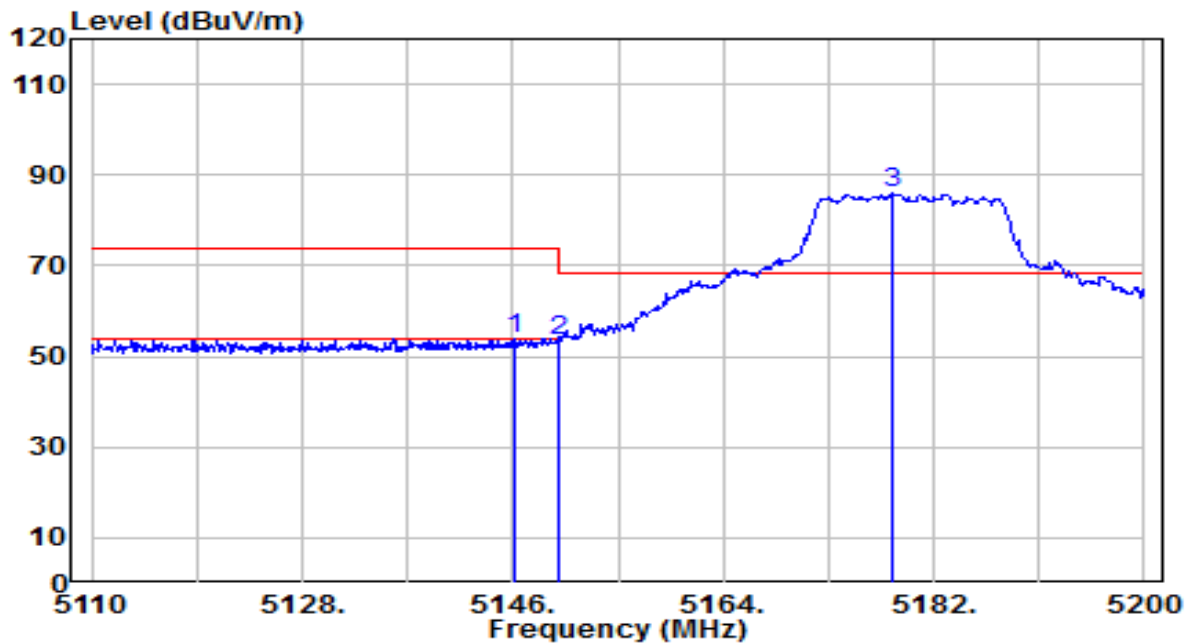
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC-Radiated emission limits; general requirements.

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

7.8.2. Test Result

EUT	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

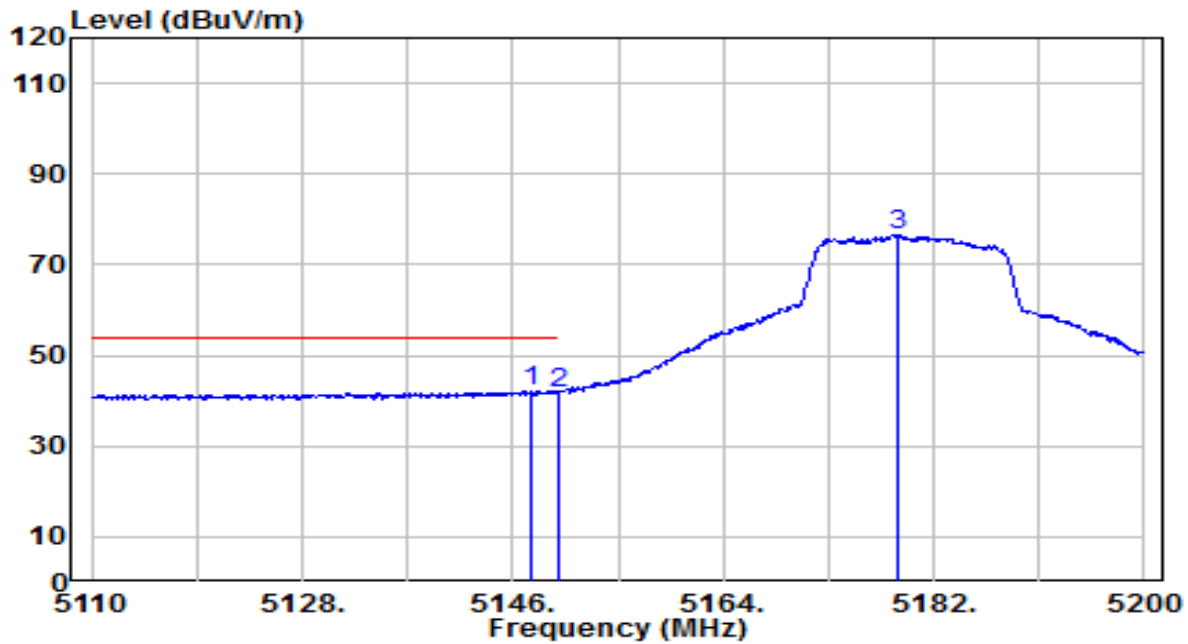


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5146.270	49.05	5.05	54.10	-19.90	74.00	215	160	Peak
2	5150.000	48.38	5.06	53.44	-20.56	74.00	215	160	Peak
3	5178.490	80.77	5.10	85.87	N/A	N/A	215	160	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

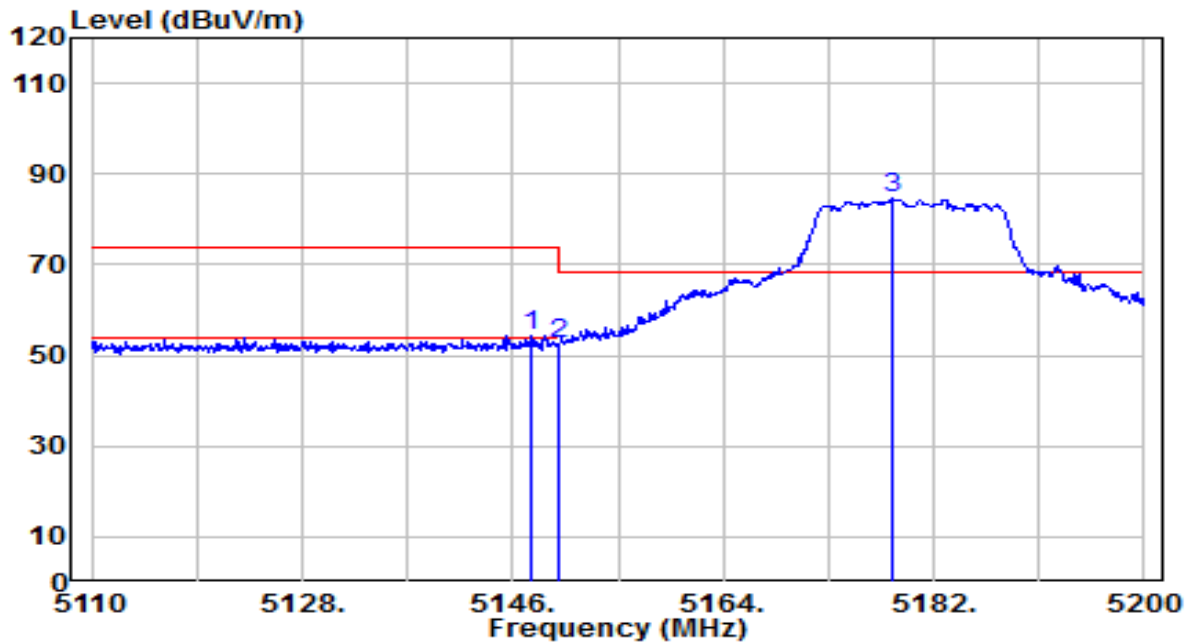


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5147.530	36.98	5.06	42.03	-11.97	54.00	215	160	Average
2	5150.000	36.41	5.06	41.47	-12.53	54.00	215	160	Average
3	5178.940	71.51	5.10	76.62	N/A	N/A	215	160	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

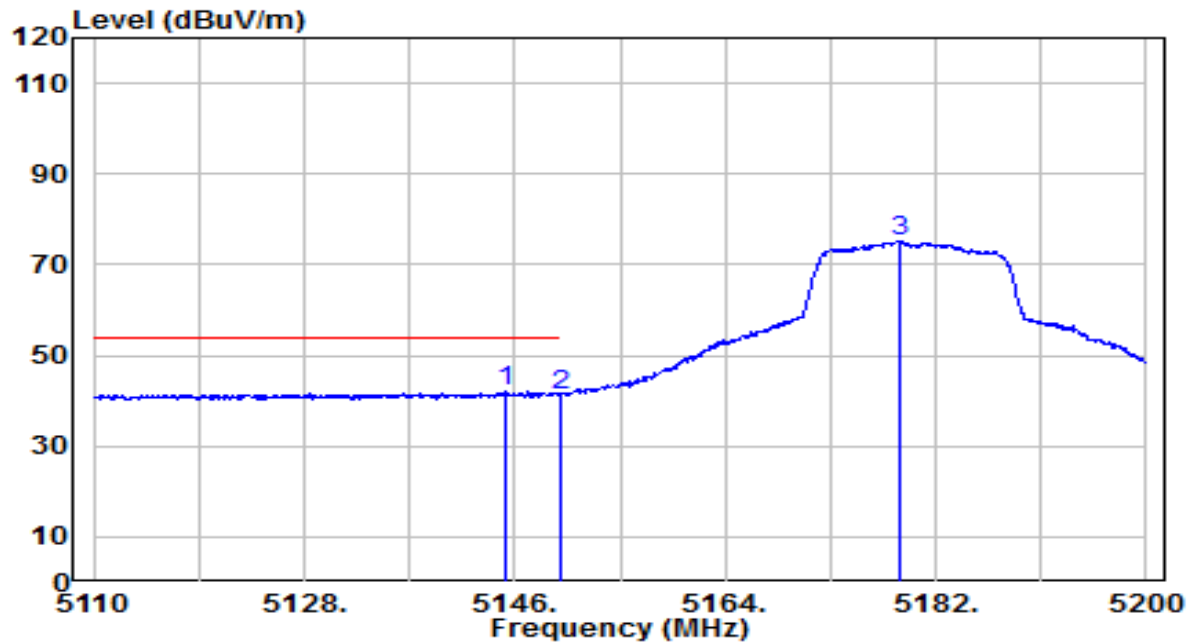


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.620	49.45	5.06	54.50	-19.50	74.00	190	355	Peak
2		5150.000	47.36	5.06	52.42	-21.58	74.00	190	355	Peak
3		5178.490	79.52	5.10	84.62	N/A	N/A	190	355	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

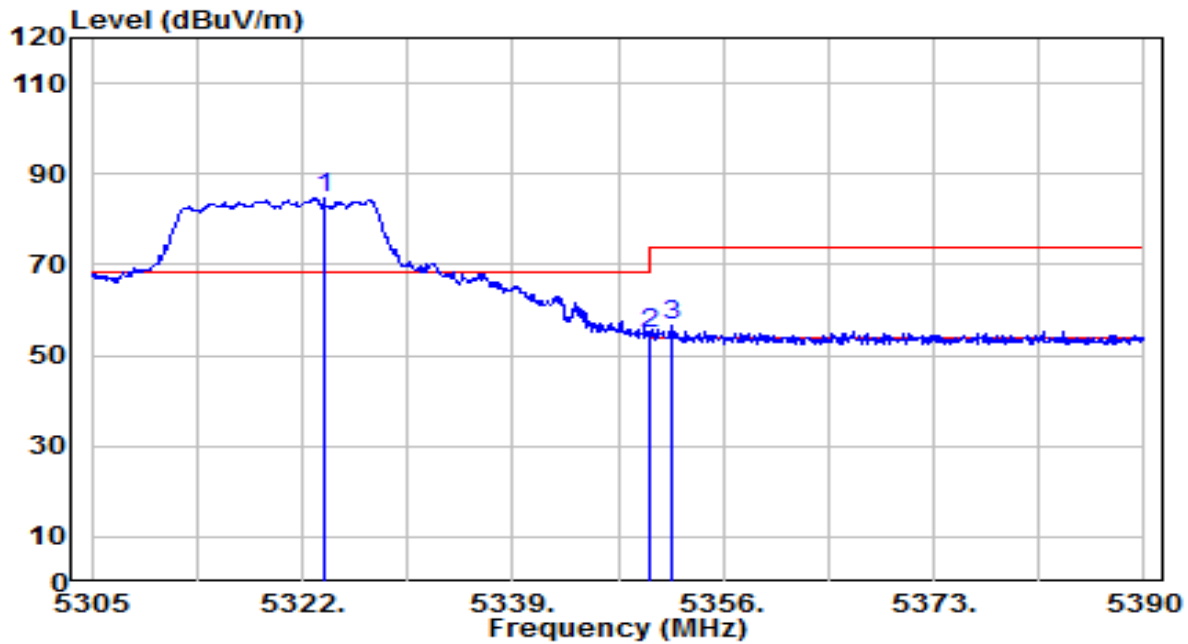


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5145.190	36.85	5.05	41.90	-12.10	54.00	190	355	Average
2		5150.000	36.37	5.06	41.43	-12.57	54.00	190	355	Average
3		5178.940	70.29	5.10	75.40	N/A	N/A	190	355	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

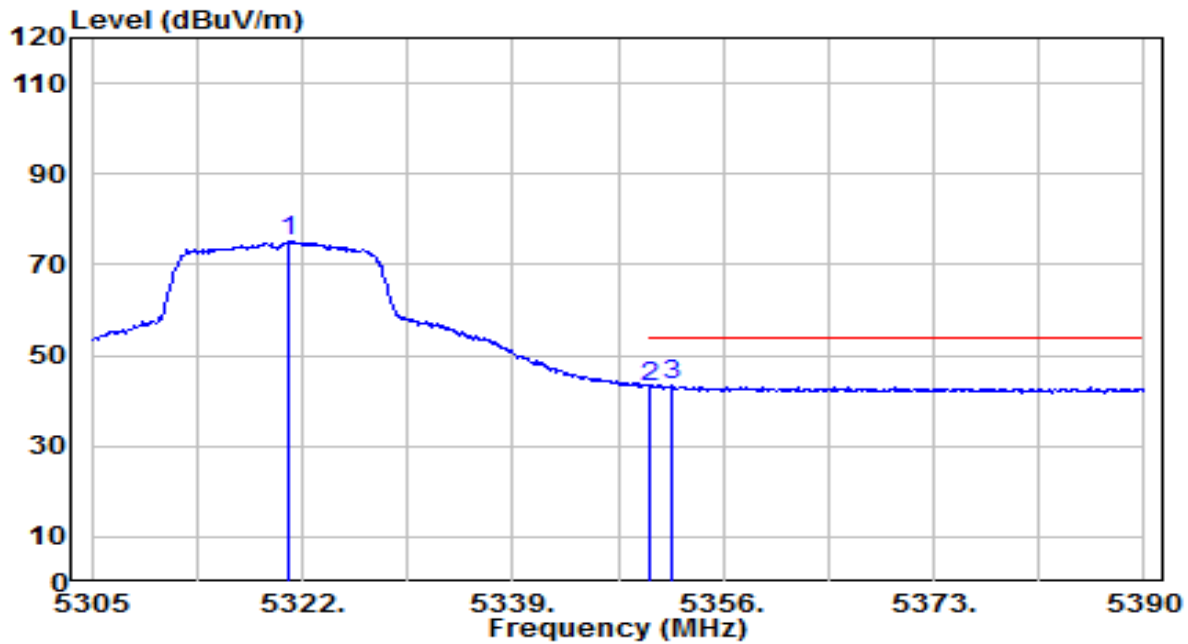


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5323.700	79.39	5.23	84.62	N/A	N/A	150	120	Peak
2	* 5350.000	49.66	5.25	54.91	-13.29	68.20	150	120	Peak
3	5351.750	51.47	5.26	56.72	-17.28	74.00	150	120	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

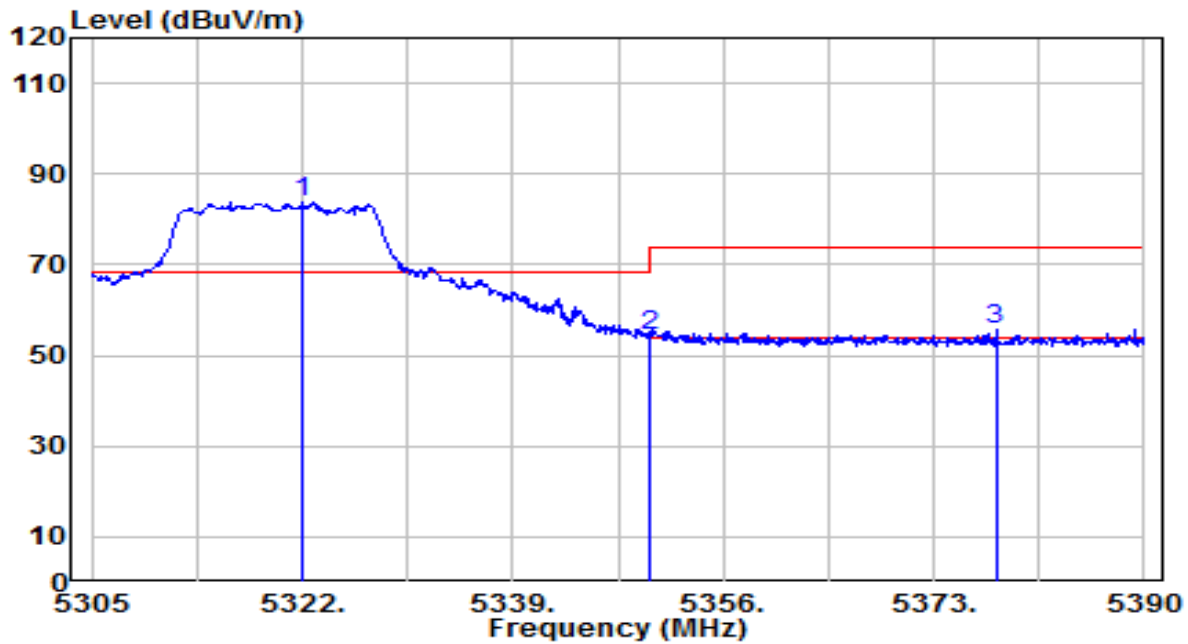


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5320.810	70.00	5.23	75.23	N/A	N/A	150	120	Average
2	5350.000	37.86	5.25	43.12	-10.88	54.00	150	120	Average
3	* 5351.835	38.01	5.26	43.27	-10.73	54.00	150	120	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

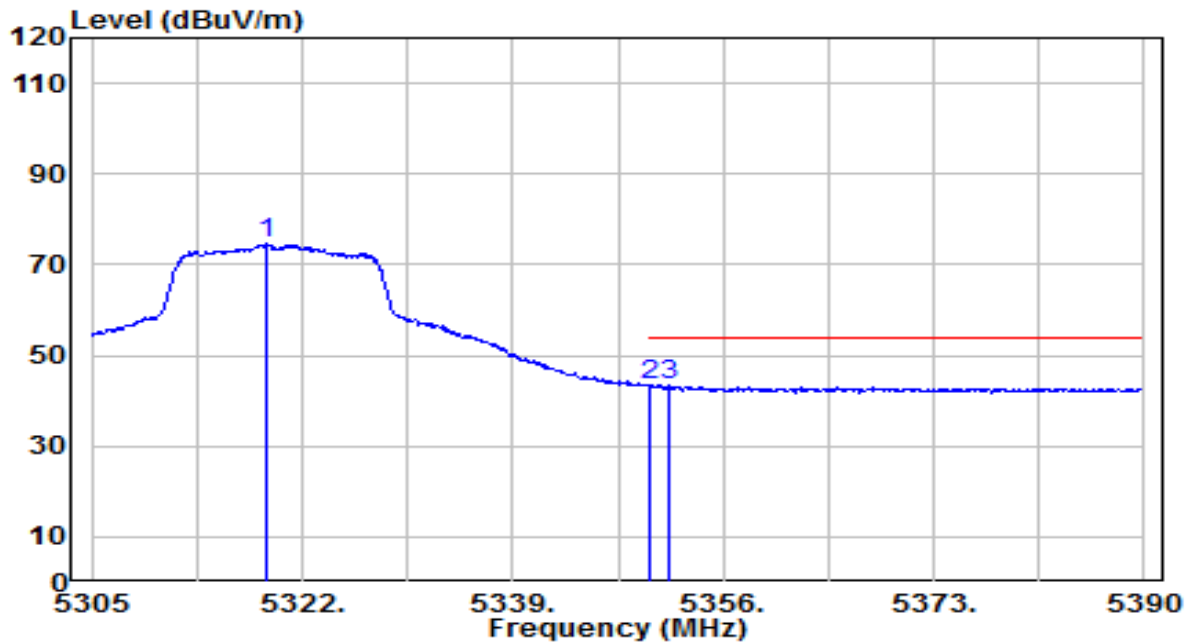


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5321.915	78.62	5.23	83.85	N/A	N/A	290	145	Peak
2	* 5350.000	48.99	5.25	54.25	-13.95	68.20	290	145	Peak
3	5378.015	50.48	5.28	55.76	-18.24	74.00	290	145	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

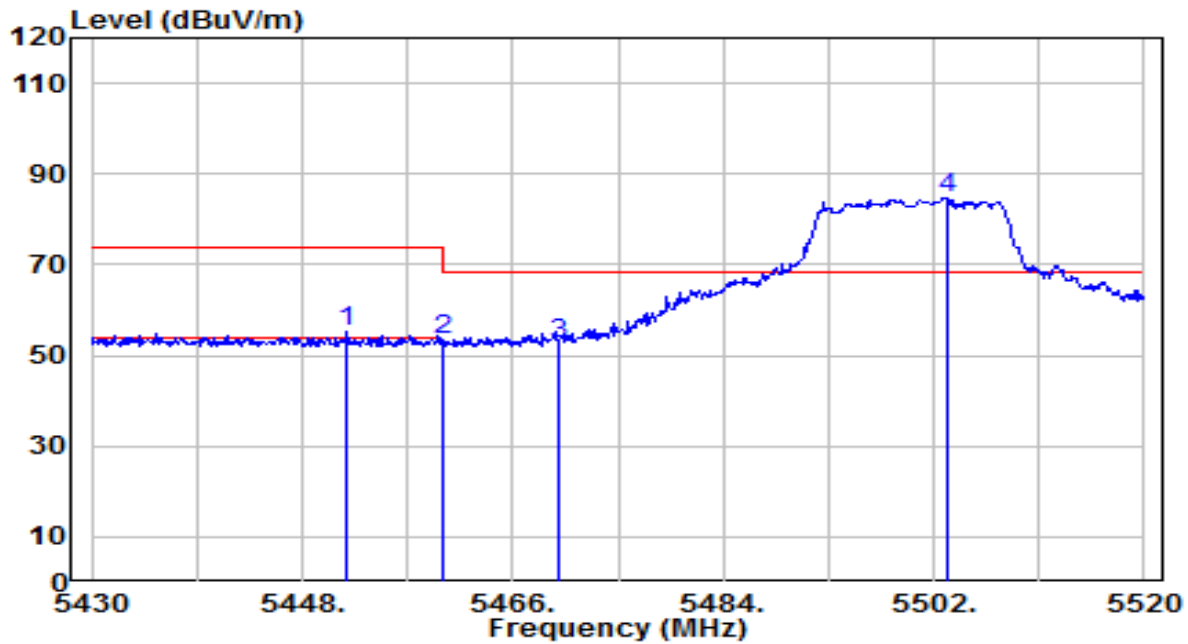


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5319.195	69.33	5.23	74.56	N/A	N/A	290	145	Average
2	* 5350.000	38.33	5.25	43.58	-10.42	54.00	290	145	Average
3	5351.580	38.24	5.26	43.50	-10.50	54.00	290	145	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

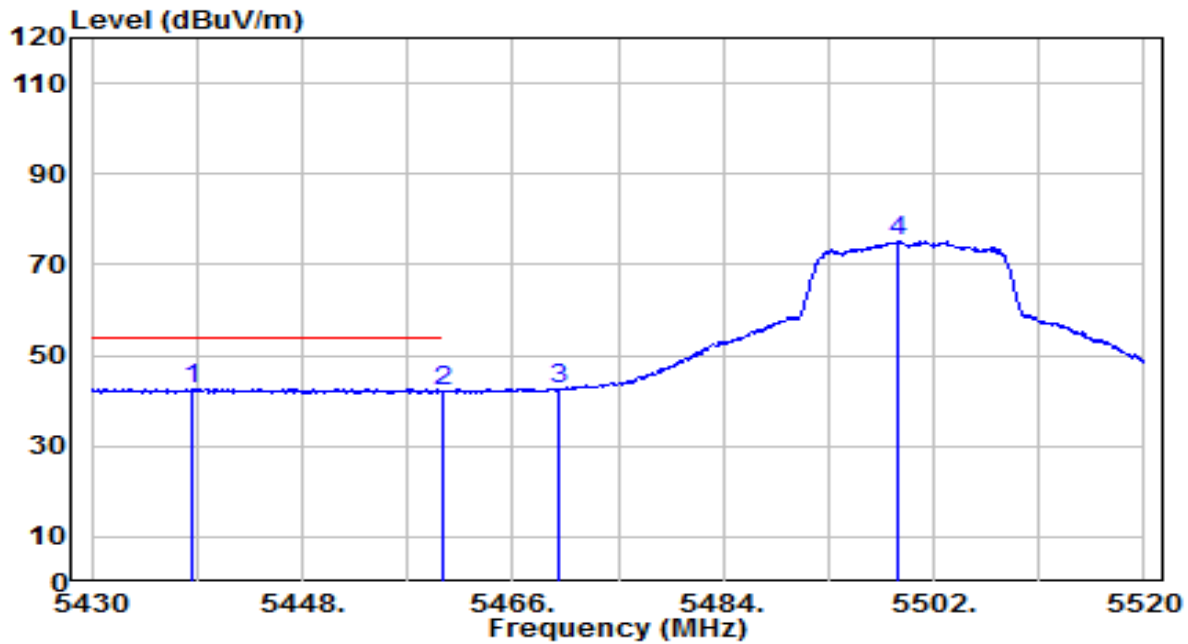


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5451.870	50.01	5.32	55.33	-18.67	74.00	135	180	Peak
2	* 5460.000	47.91	5.32	53.23	-14.97	68.20	135	180	Peak
3	5470.000	47.34	5.33	52.67	-15.53	68.20	135	180	Peak
4	5503.080	79.52	5.35	84.87	N/A	N/A	135	180	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

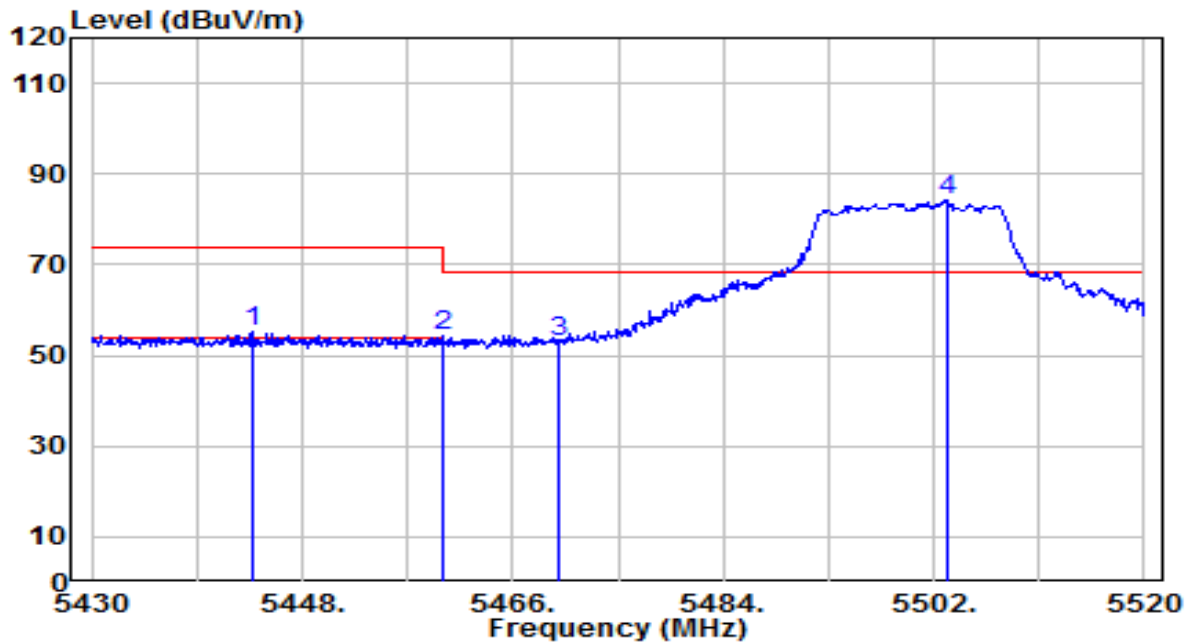


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5438.640	37.37	5.32	42.69	-11.31	54.00	135	180	Average
2		5460.000	37.01	5.32	42.34	-11.66	54.00	135	180	Average
3		5470.000	37.30	5.33	42.62	N/A	N/A	135	180	Average
4		5498.940	69.90	5.34	75.24	N/A	N/A	135	180	Average

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

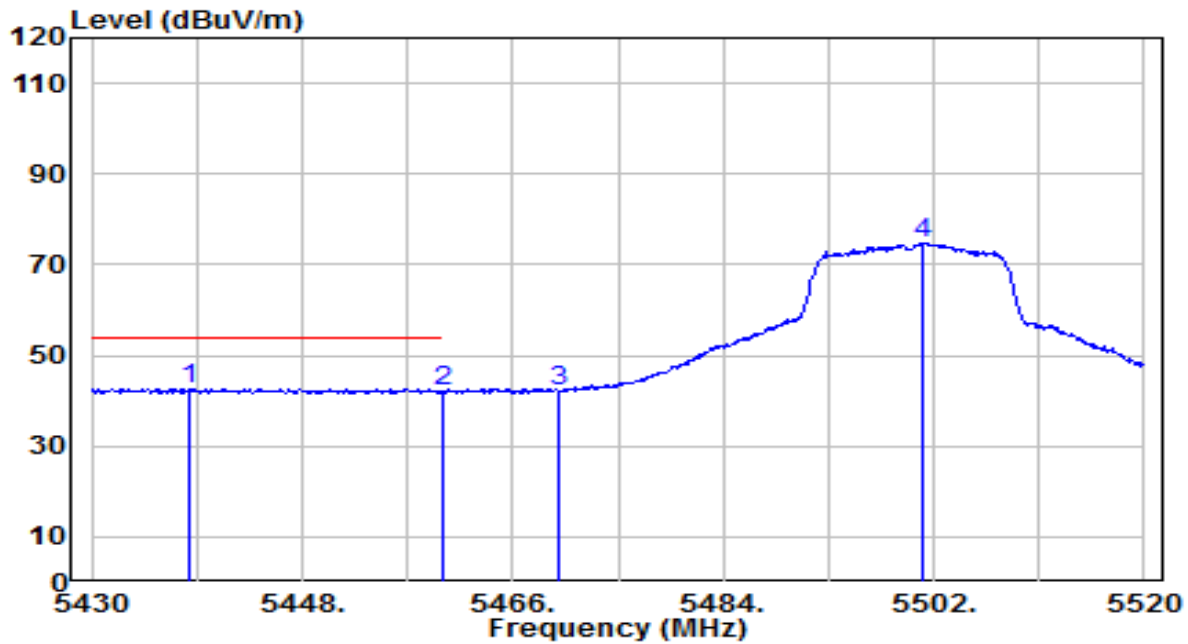


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5443.860	49.72	5.32	55.04	-18.96	74.00	190	205	Peak
2	* 5460.000	49.06	5.32	54.39	-13.81	68.20	190	205	Peak
3	5470.000	47.66	5.33	52.99	-15.21	68.20	190	205	Peak
4	5503.080	78.73	5.35	84.08	N/A	N/A	190	205	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

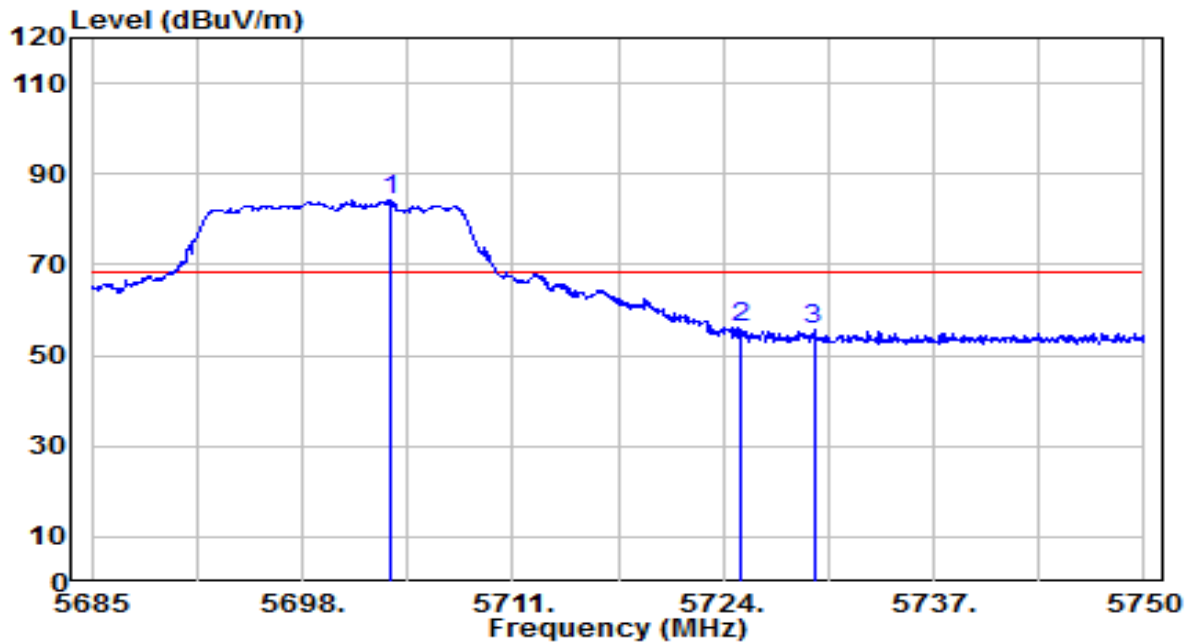


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5438.280	37.41	5.32	42.73	-11.27	54.00	190	205	Average
2		5460.000	36.71	5.32	42.04	-11.96	54.00	190	205	Average
3		5470.000	36.88	5.33	42.21	N/A	N/A	190	205	Average
4		5501.010	69.44	5.34	74.78	N/A	N/A	190	205	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

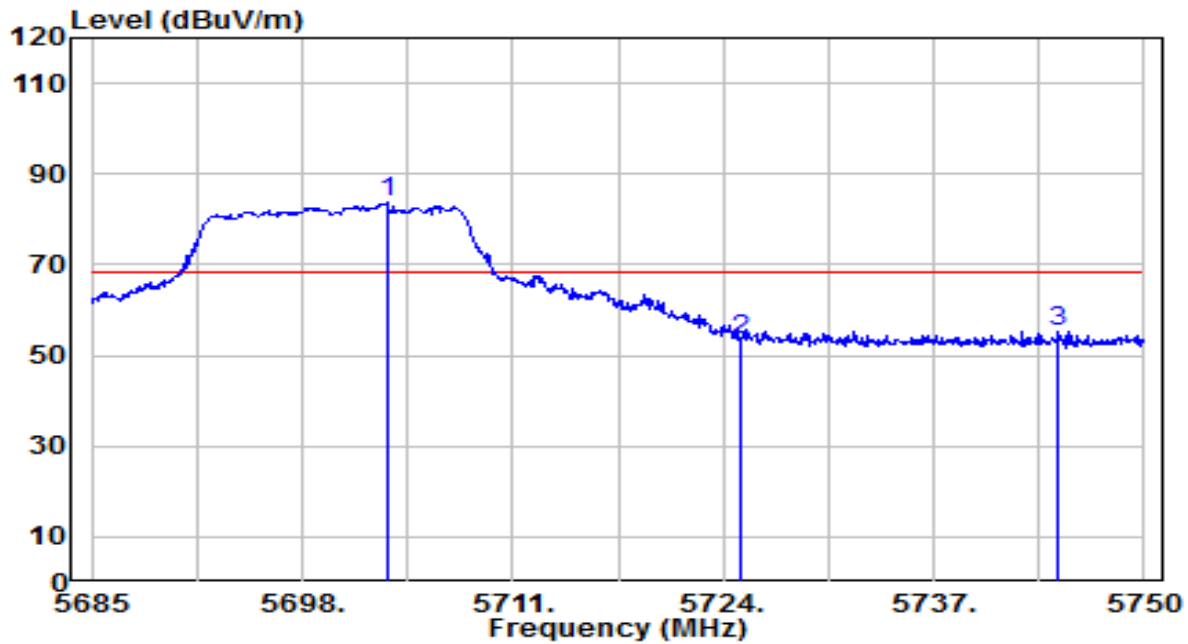


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5703.460	78.09	6.06	84.15	N/A	N/A	175	180	Peak
2	* 5725.000	49.91	6.14	56.06	-12.14	68.20	175	180	Peak
3	5729.590	49.36	6.16	55.52	-12.68	68.20	175	180	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

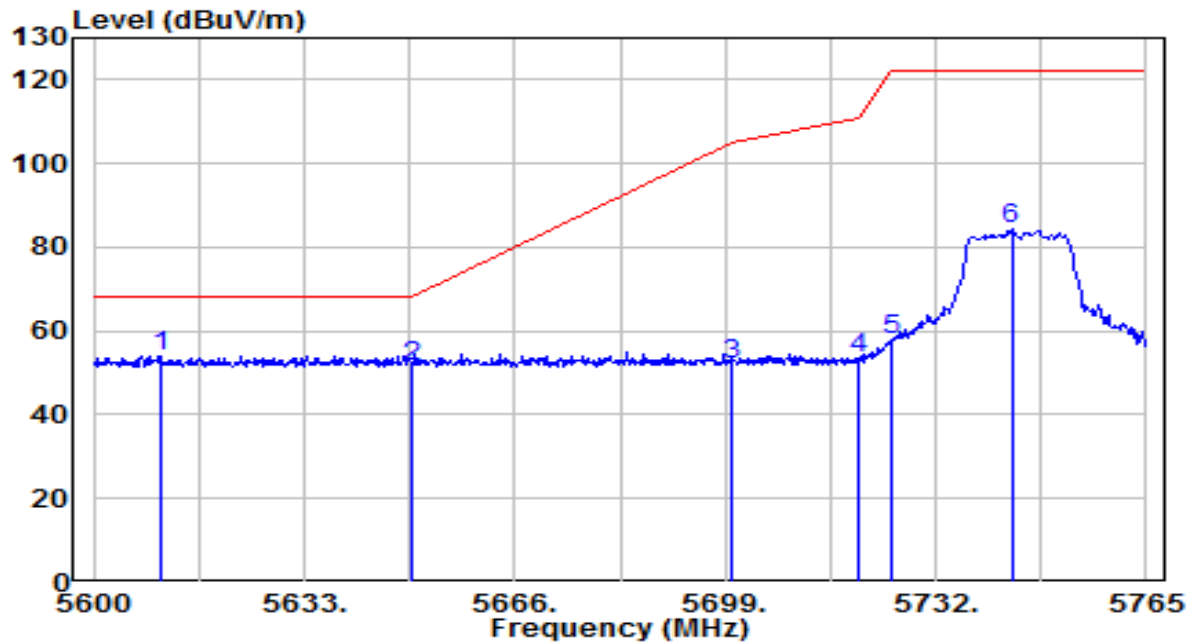


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5703.265	77.67	6.06	83.73	N/A	N/A	130	5	Peak
2	5725.000	47.14	6.14	53.28	-14.92	68.20	130	5	Peak
3	* 5744.735	49.25	6.22	55.47	-12.73	68.20	130	5	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

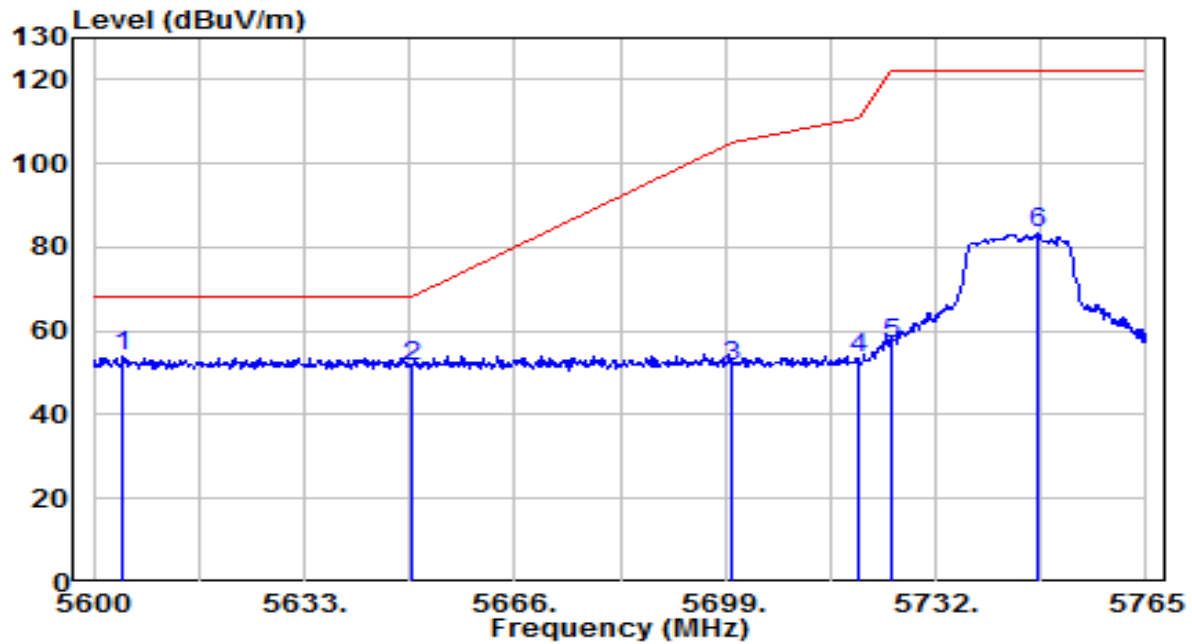


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5610.395	48.18	5.74	53.93	-14.27	68.20	250	185	Peak
2	5650.000	45.85	5.88	51.73	-16.47	68.20	250	185	Peak
3	5700.000	46.10	6.05	52.16	-53.04	105.20	250	185	Peak
4	5720.000	47.11	6.13	53.24	-57.56	110.80	250	185	Peak
5	5725.000	51.51	6.14	57.66	-64.54	122.20	250	185	Peak
6	5743.880	77.96	6.21	84.18	N/A	N/A	250	185	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

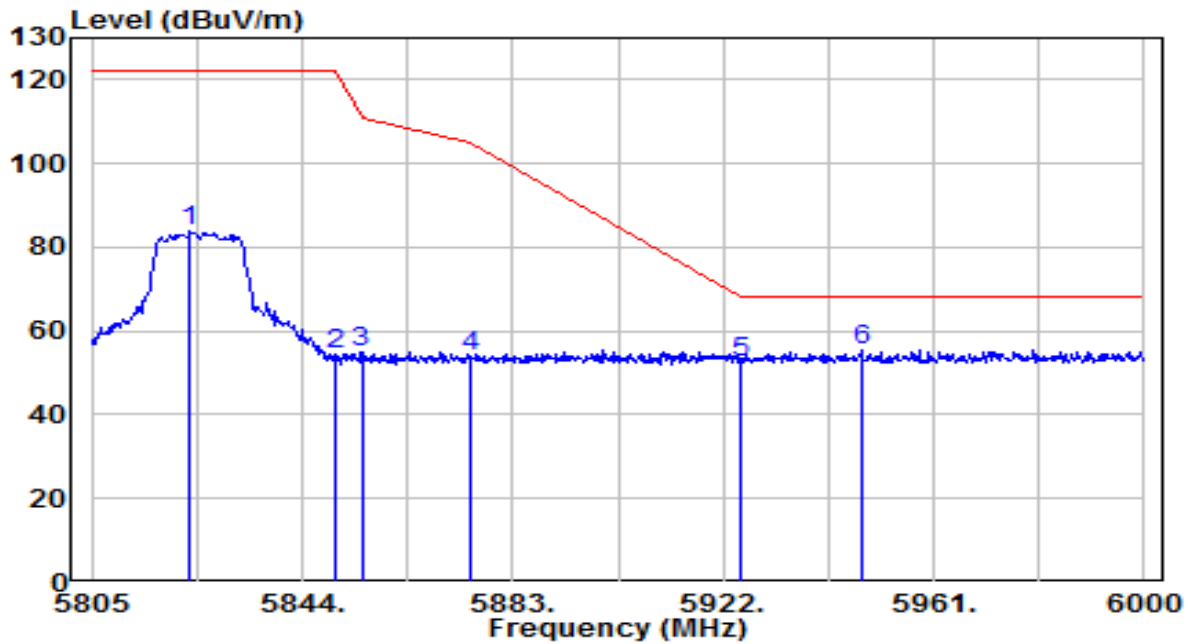


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5604.620	48.00	5.72	53.72	-14.48	68.20	125	360	Peak
2		5650.000	45.73	5.88	51.61	-16.59	68.20	125	360	Peak
3		5700.000	45.26	6.05	51.31	-53.89	105.20	125	360	Peak
4		5720.000	47.51	6.13	53.64	-57.16	110.80	125	360	Peak
5		5725.000	51.00	6.14	57.14	-65.06	122.20	125	360	Peak
6		5748.170	76.99	6.23	83.22	N/A	N/A	125	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

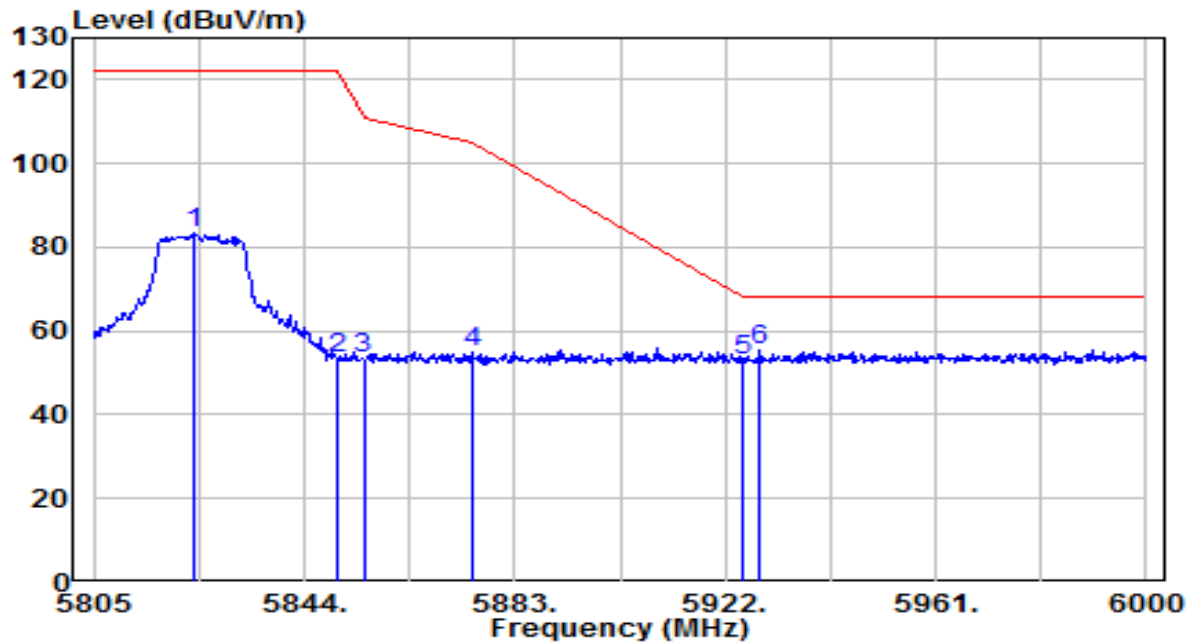


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5823.135	77.22	6.49	83.71	N/A	N/A	245	185	Peak
2	5850.000	47.89	6.57	54.46	-67.74	122.20	245	185	Peak
3	5855.000	48.33	6.59	54.92	-55.88	110.80	245	185	Peak
4	5875.000	47.15	6.65	53.80	-51.40	105.20	245	185	Peak
5	5925.000	45.72	6.81	52.53	-15.67	68.20	245	185	Peak
6	* 5947.545	48.65	6.89	55.54	-12.66	68.20	245	185	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

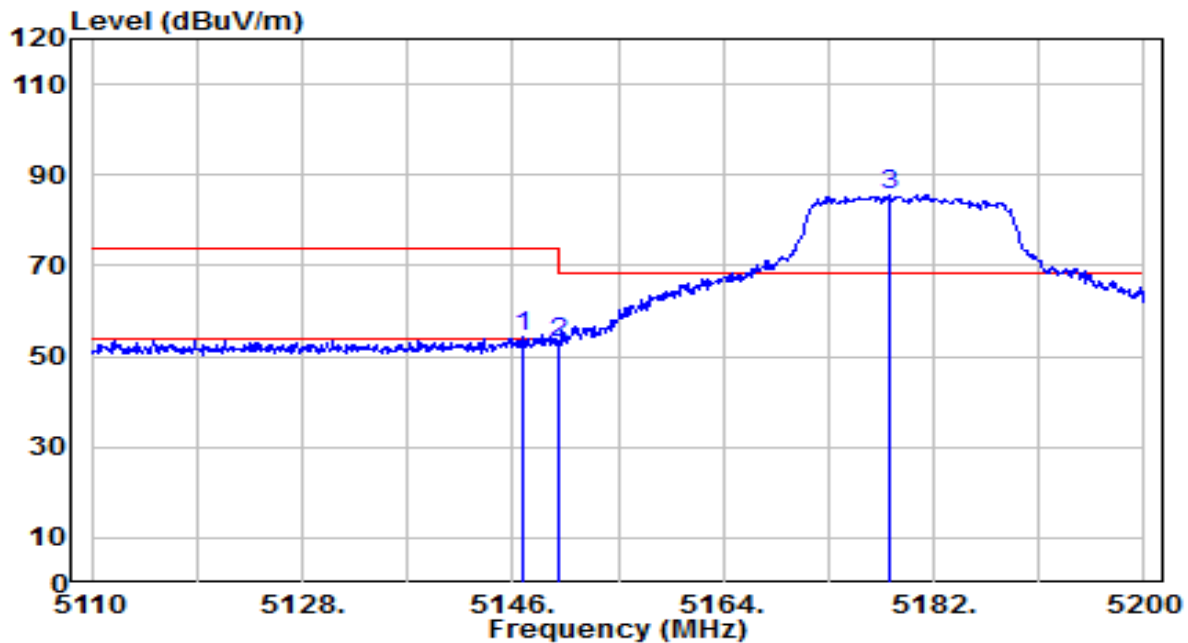


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5823.525	76.67	6.49	83.16	N/A	N/A	130	5	Peak
2	5850.000	47.02	6.57	53.59	-68.61	122.20	130	5	Peak
3	5855.000	47.02	6.59	53.61	-57.19	110.80	130	5	Peak
4	5875.000	48.10	6.65	54.75	-50.45	105.20	130	5	Peak
5	5925.000	46.23	6.81	53.04	-15.16	68.20	130	5	Peak
6	* 5928.435	48.69	6.83	55.51	-12.69	68.20	130	5	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

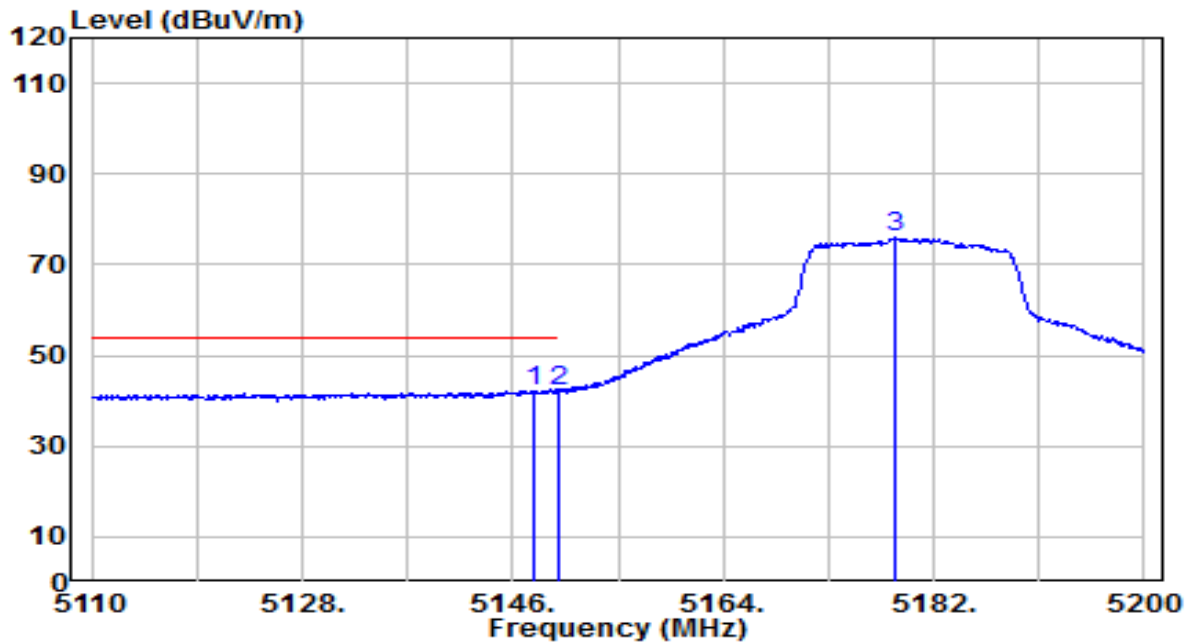


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5146.810	49.10	5.06	54.15	-19.85	74.00	215	160	Peak
2		5150.000	48.08	5.06	53.14	-20.86	74.00	215	160	Peak
3		5178.220	80.44	5.10	85.54	N/A	N/A	215	160	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

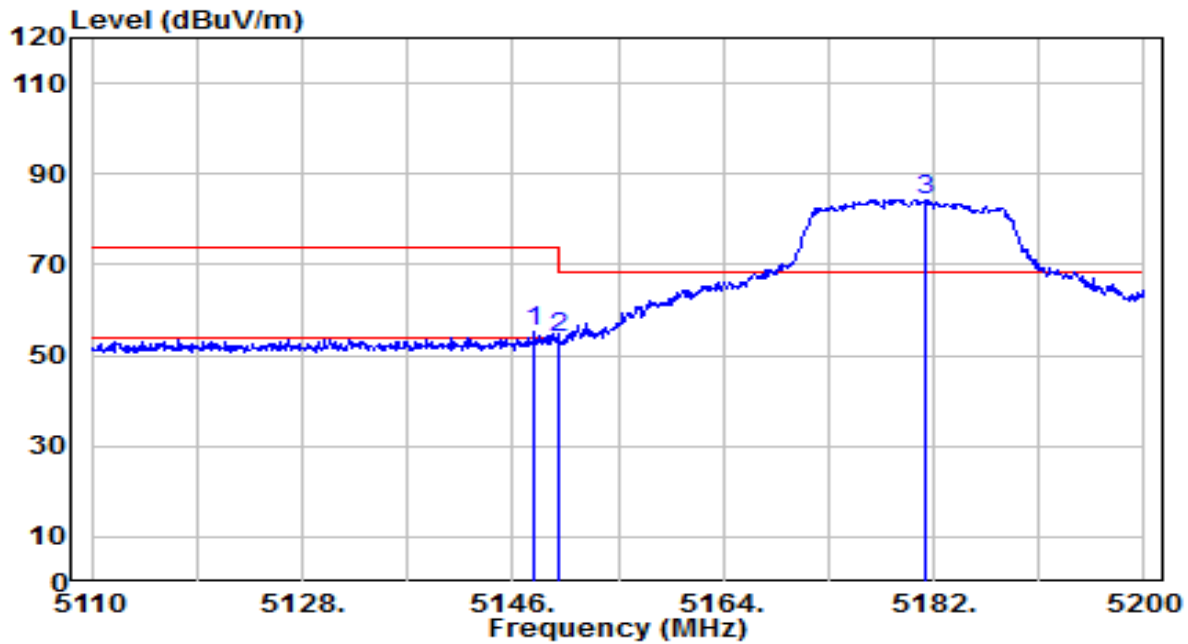


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.800	37.18	5.06	42.24	-11.76	54.00	215	160	Average
2		5150.000	37.15	5.06	42.21	-11.79	54.00	215	160	Average
3		5178.760	70.86	5.10	75.96	N/A	N/A	215	160	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

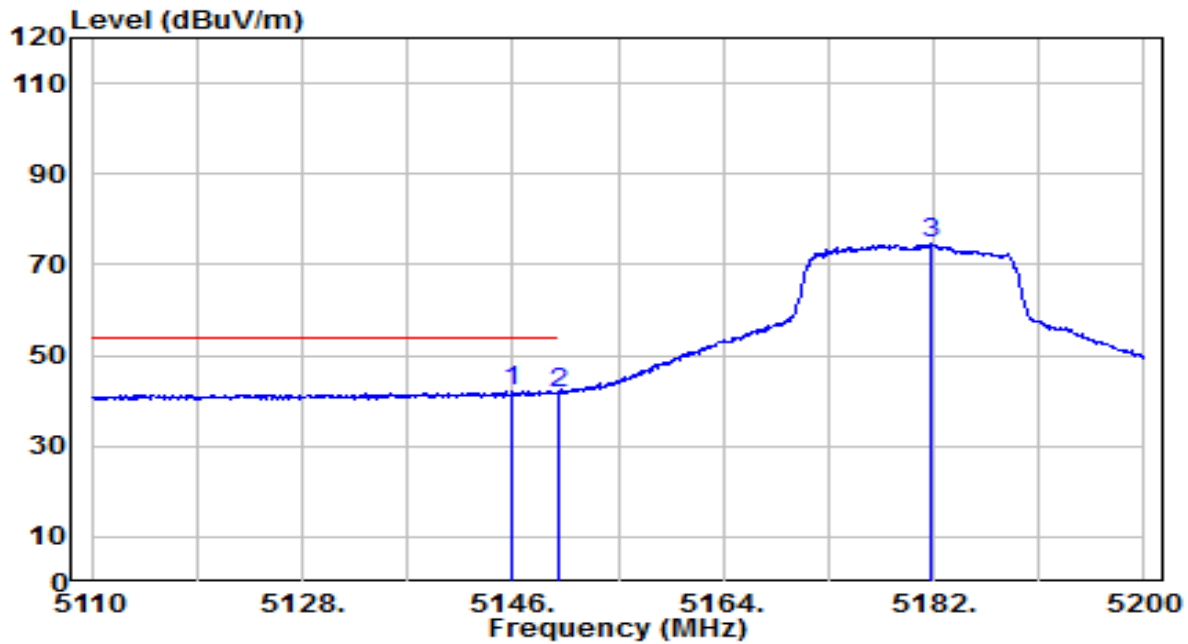


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.890	50.18	5.06	55.24	-18.76	74.00	190	355	Peak
2		5150.000	48.80	5.06	53.86	-20.14	74.00	190	355	Peak
3		5181.280	79.35	5.10	84.45	N/A	N/A	190	355	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	By Notebook PC

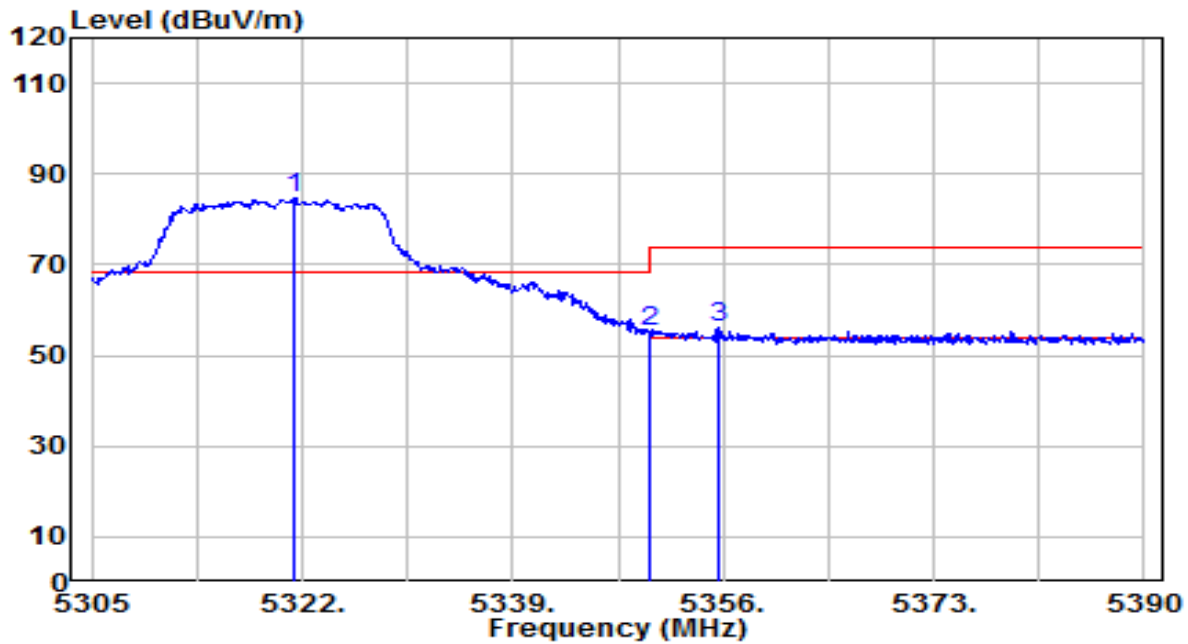


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5146.000	37.10	5.05	42.16	-11.84	54.00	190	355	Average
2		5150.000	36.75	5.06	41.81	-12.19	54.00	190	355	Average
3		5181.820	69.51	5.10	74.62	N/A	N/A	190	355	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

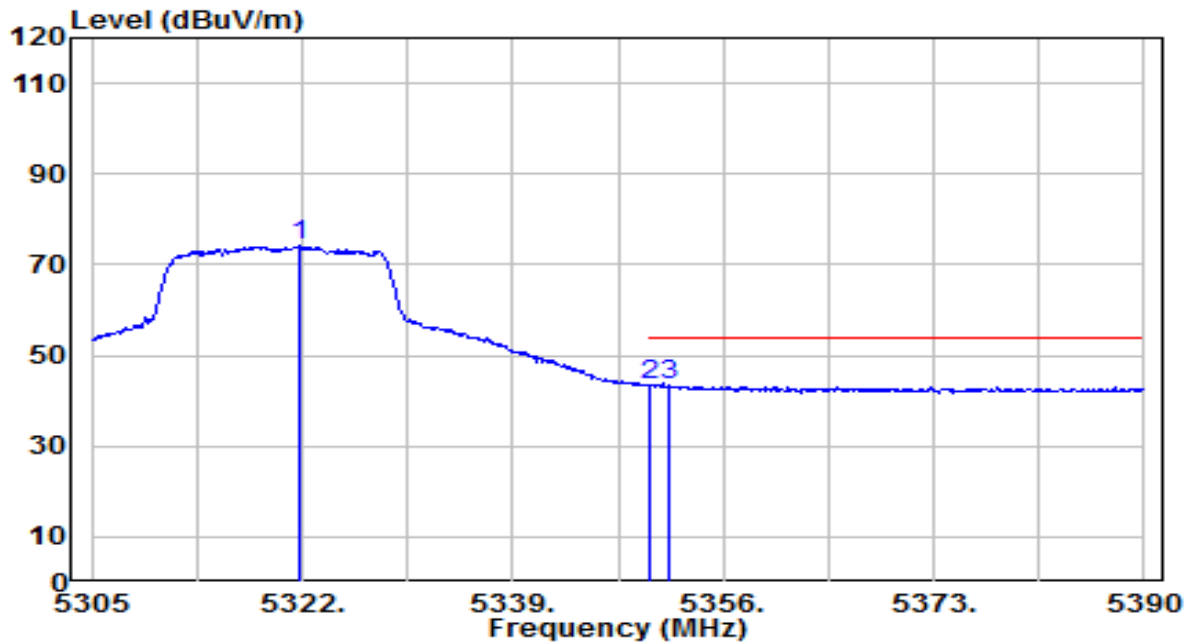


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5321.405	79.54	5.23	84.77	N/A	N/A	150	120	Peak
2	* 5350.000	49.84	5.25	55.10	-13.10	68.20	150	120	Peak
3	5355.575	51.11	5.26	56.37	-17.63	74.00	150	120	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

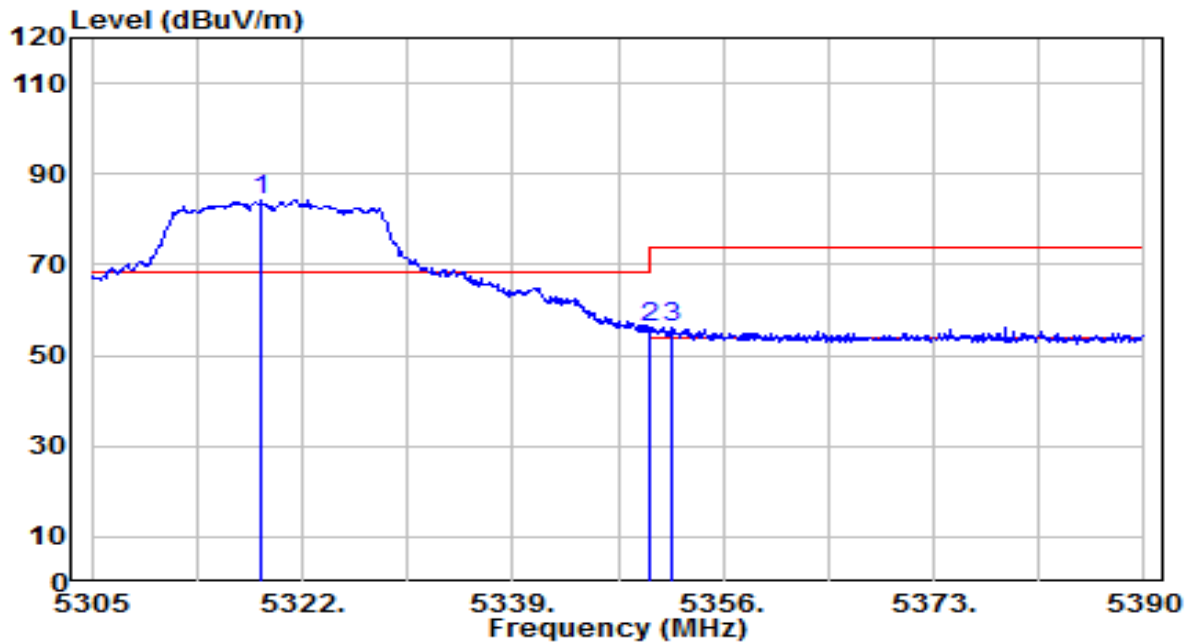


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5321.830	68.87	5.23	74.10	N/A	N/A	150	120	Average
2	5350.000	38.00	5.25	43.26	-10.74	54.00	150	120	Average
3	* 5351.665	38.15	5.26	43.41	-10.59	54.00	150	120	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

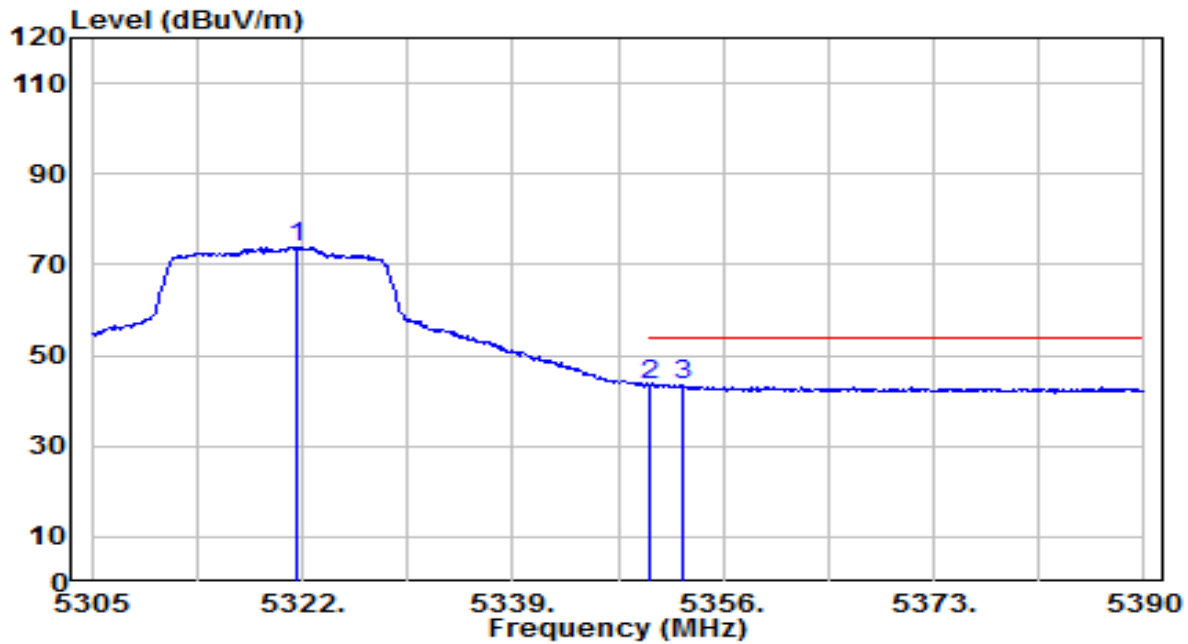


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5318.685	79.09	5.23	84.32	N/A	N/A	290	145	Peak
2	* 5350.000	50.67	5.25	55.93	-12.27	68.20	290	145	Peak
3	5351.750	50.79	5.26	56.05	-17.95	74.00	290	145	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	By Notebook PC

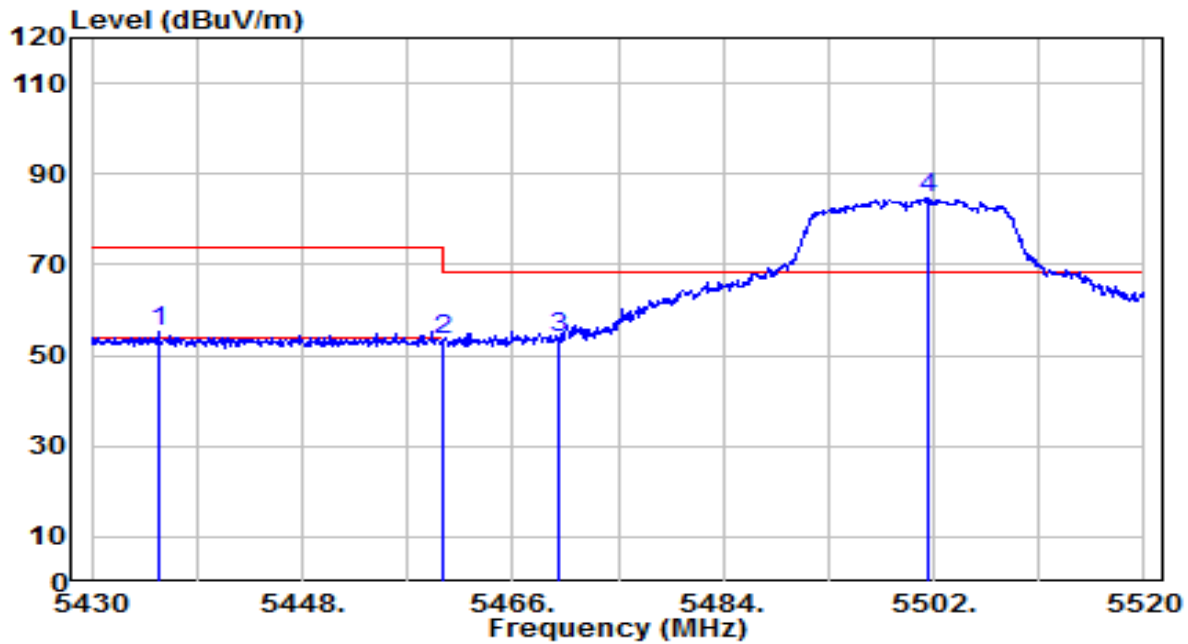


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5321.490	68.70	5.23	73.93	N/A	N/A	290	145	Average
2	* 5350.000	38.38	5.25	43.64	-10.36	54.00	290	145	Average
3	5352.685	38.21	5.26	43.47	-10.53	54.00	290	145	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

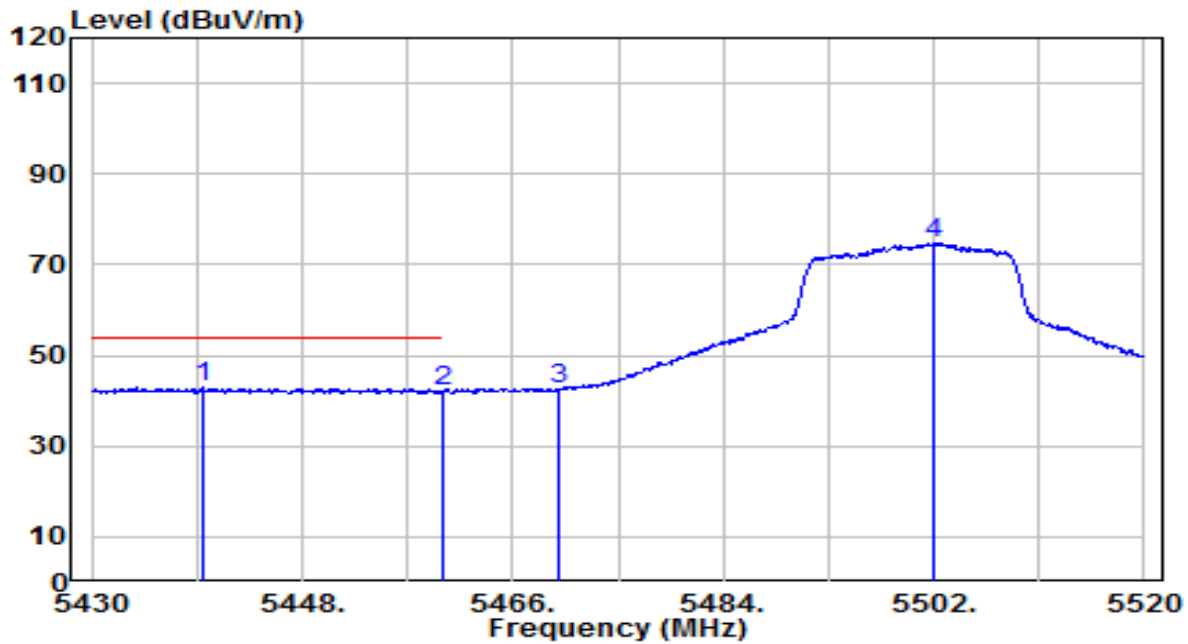


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5435.670	49.89	5.31	55.21	-18.79	74.00	135	180	Peak
2	5460.000	48.04	5.32	53.37	-14.83	68.20	135	180	Peak
3	* 5470.000	48.70	5.33	54.02	-14.18	68.20	135	180	Peak
4	5501.460	79.50	5.35	84.84	N/A	N/A	135	180	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

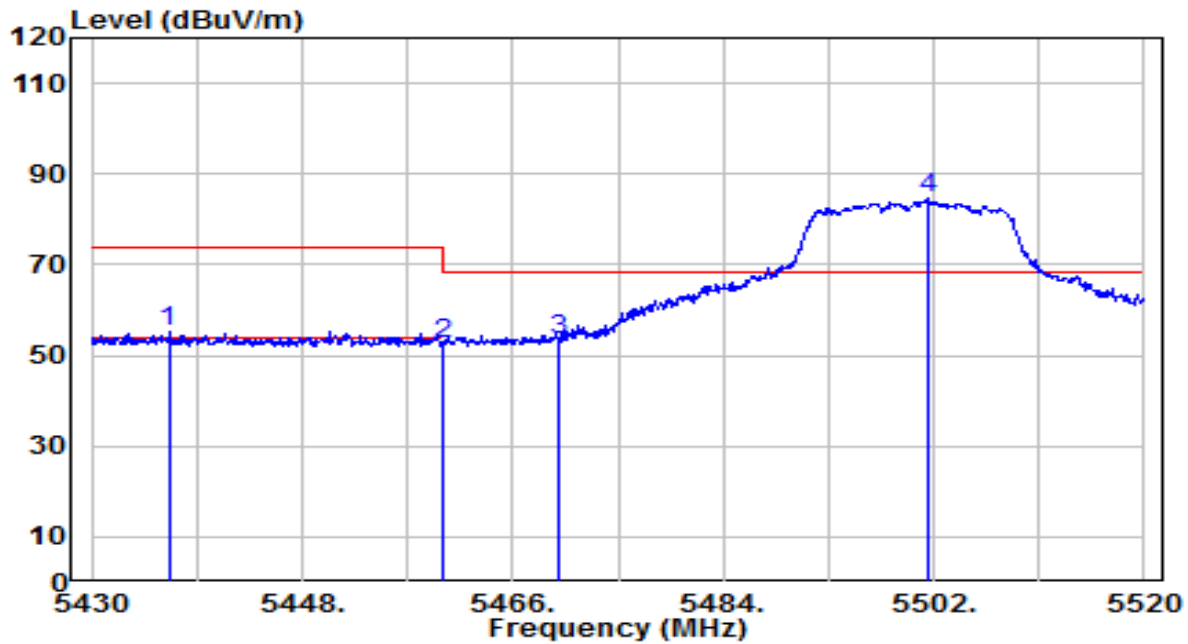


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5439.540	37.57	5.32	42.89	-11.11	54.00	135	180	Average
2	5460.000	36.73	5.32	42.05	-11.95	54.00	135	180	Average
3	5470.000	37.13	5.33	42.45	N/A	N/A	135	180	Average
4	5502.000	69.53	5.35	74.87	N/A	N/A	135	180	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

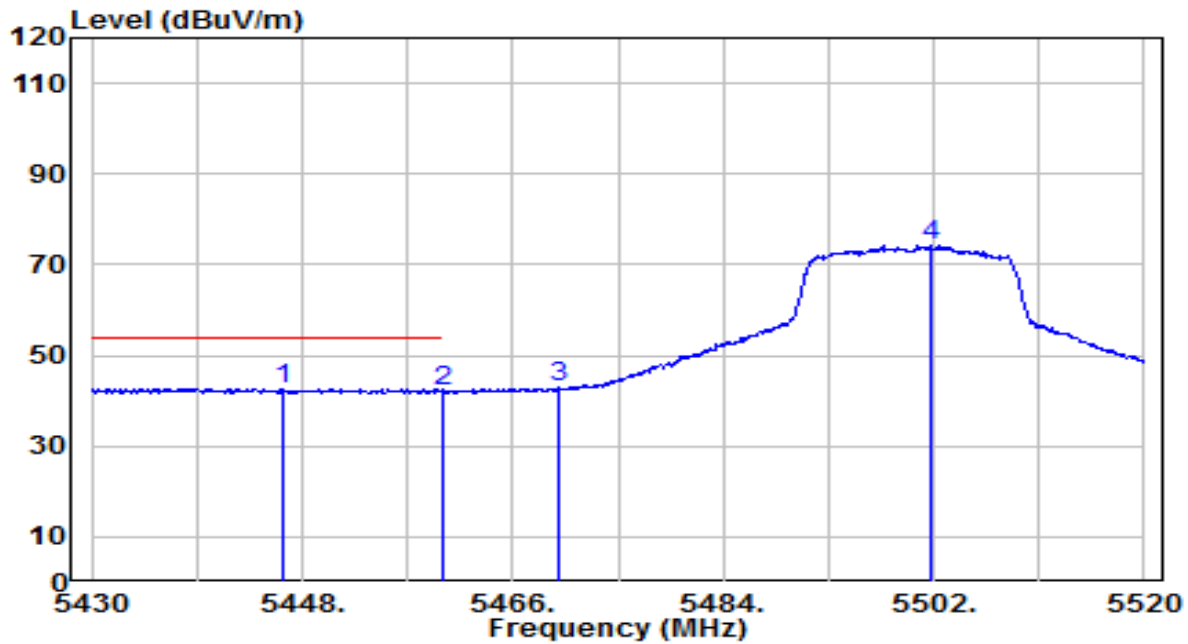


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5436.570	49.90	5.31	55.22	-18.78	74.00	190	205	Peak
2	5460.000	47.31	5.32	52.63	-15.57	68.20	190	205	Peak
3	* 5470.000	48.27	5.33	53.60	-14.60	68.20	190	205	Peak
4	5501.460	79.14	5.35	84.48	N/A	N/A	190	205	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	By Notebook PC

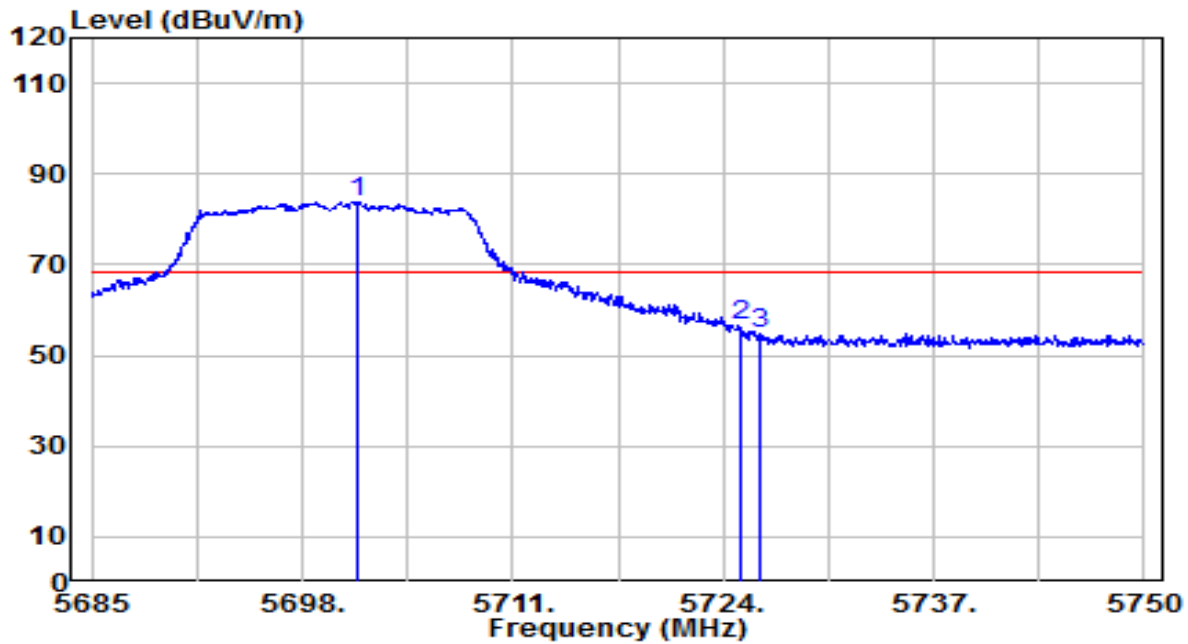


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5446.470	37.39	5.32	42.71	-11.29	54.00	190	205	Average
2	5460.000	36.88	5.32	42.20	-11.80	54.00	190	205	Average
3	5470.000	37.51	5.33	42.84	N/A	N/A	190	205	Average
4	5501.730	68.94	5.35	74.29	N/A	N/A	190	205	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

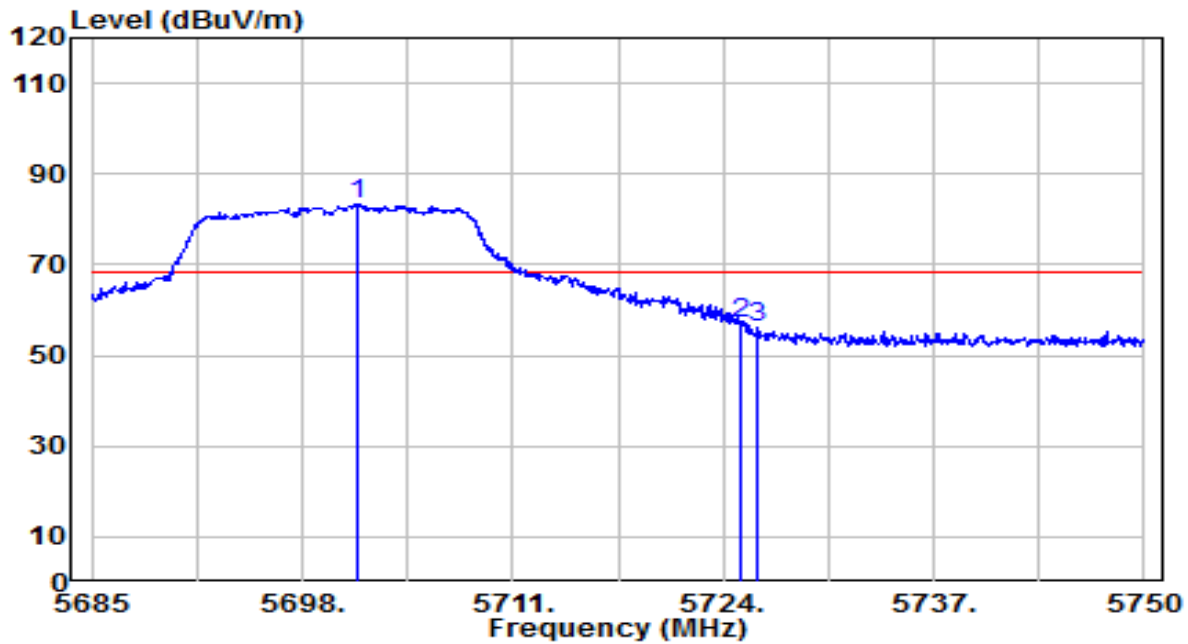


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5701.445	77.83	6.06	83.89	N/A	N/A	175	180	Peak
2	* 5725.000	50.49	6.14	56.63	-11.57	68.20	175	180	Peak
3	5726.340	48.52	6.15	54.67	-13.53	68.20	175	180	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	By Notebook PC

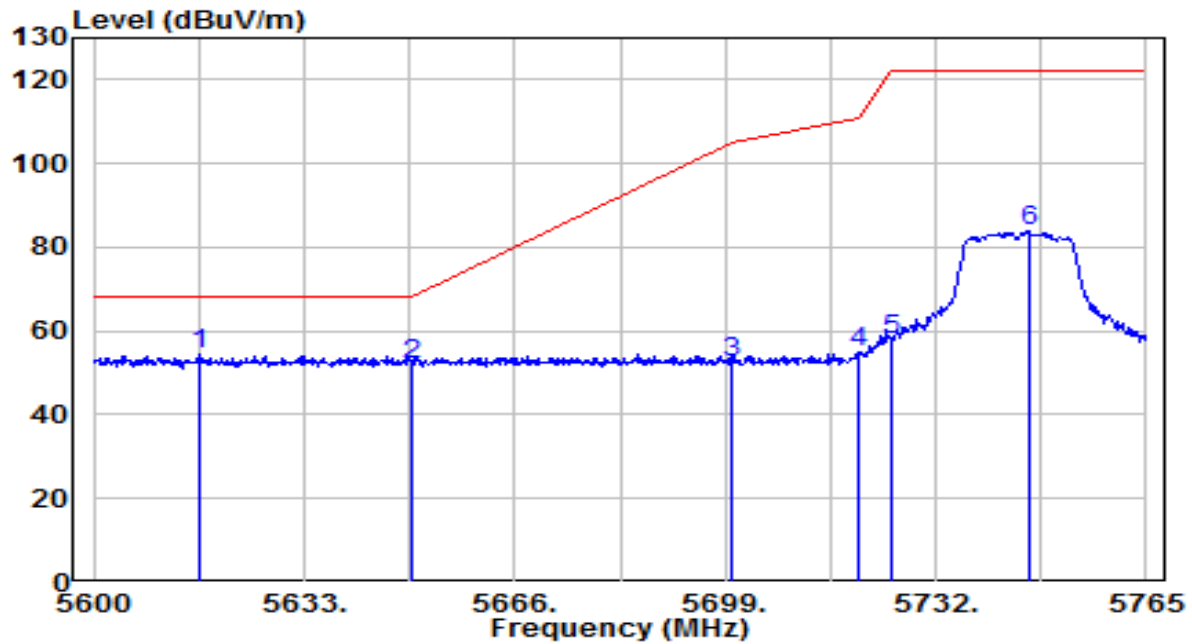


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5701.445	77.19	6.06	83.25	N/A	N/A	130	5	Peak
2	* 5725.000	50.79	6.14	56.94	-11.26	68.20	130	5	Peak
3	5726.080	49.90	6.15	56.05	-12.15	68.20	130	5	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

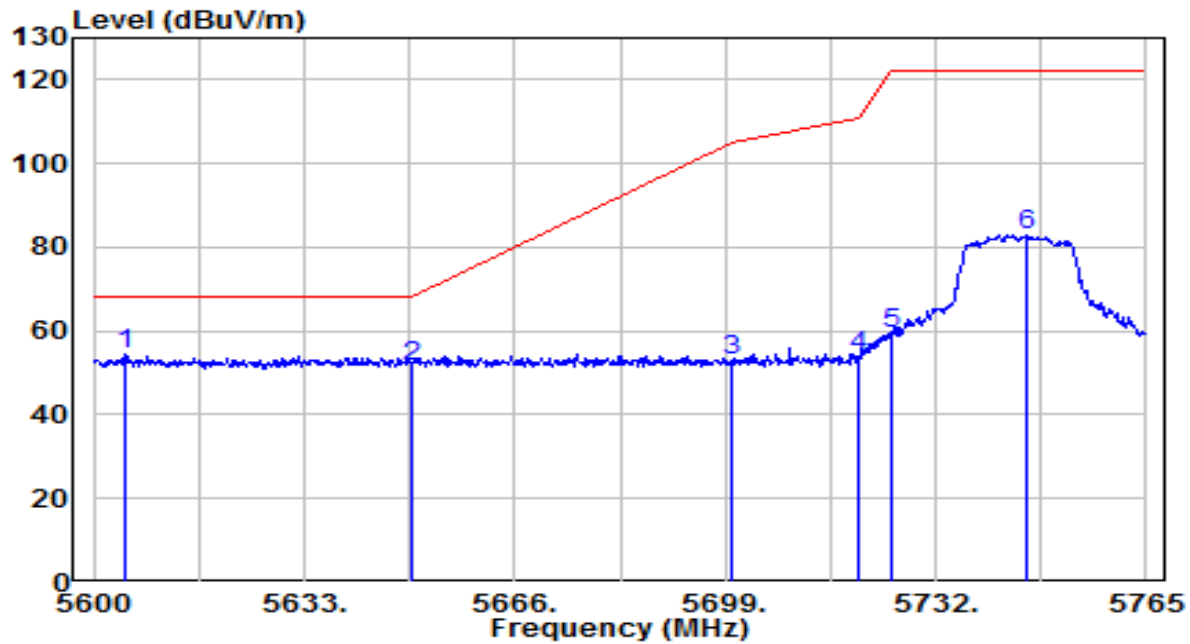


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5616.665	48.79	5.76	54.56	-13.64	68.20	250	185	Peak
2		5650.000	46.26	5.88	52.14	-16.06	68.20	250	185	Peak
3		5700.000	46.25	6.05	52.30	-52.90	105.20	250	185	Peak
4		5720.000	48.68	6.13	54.80	-56.00	110.80	250	185	Peak
5		5725.000	51.55	6.14	57.69	-64.51	122.20	250	185	Peak
6		5746.520	77.51	6.22	83.73	N/A	N/A	250	185	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	By Notebook PC

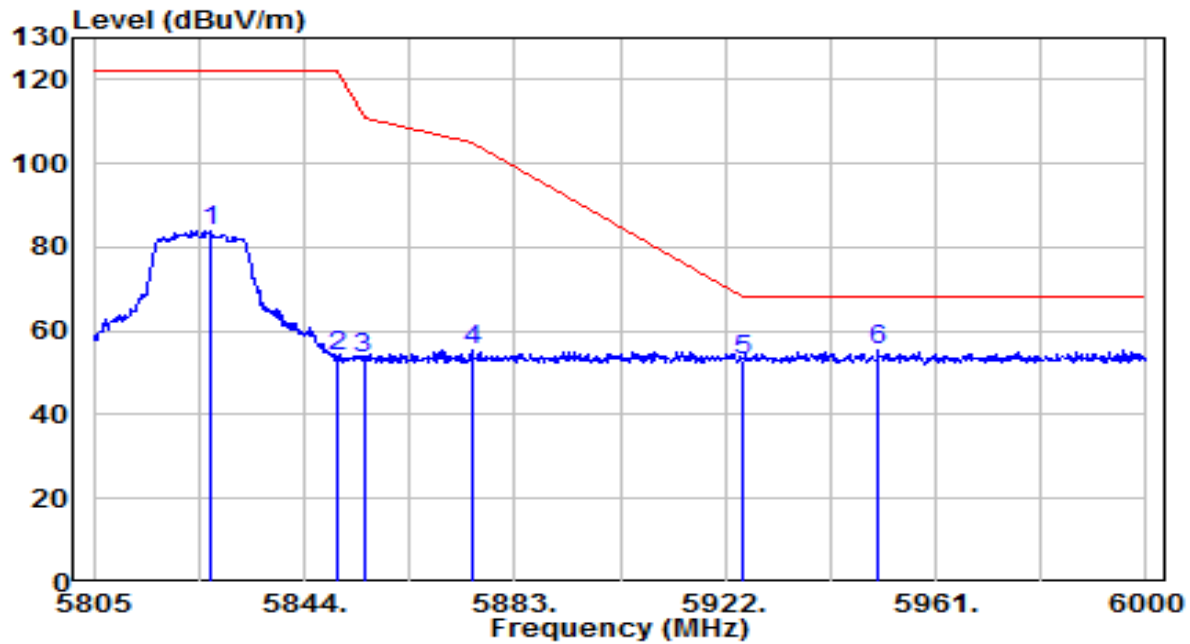


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5604.785	48.60	5.72	54.32	-13.88	68.20	125	360	Peak
2		5650.000	45.75	5.88	51.63	-16.57	68.20	125	360	Peak
3		5700.000	46.72	6.05	52.77	-52.43	105.20	125	360	Peak
4		5720.000	47.68	6.13	53.81	-56.99	110.80	125	360	Peak
5		5725.000	53.25	6.14	59.39	-62.81	122.20	125	360	Peak
6		5746.355	76.80	6.22	83.02	N/A	N/A	125	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

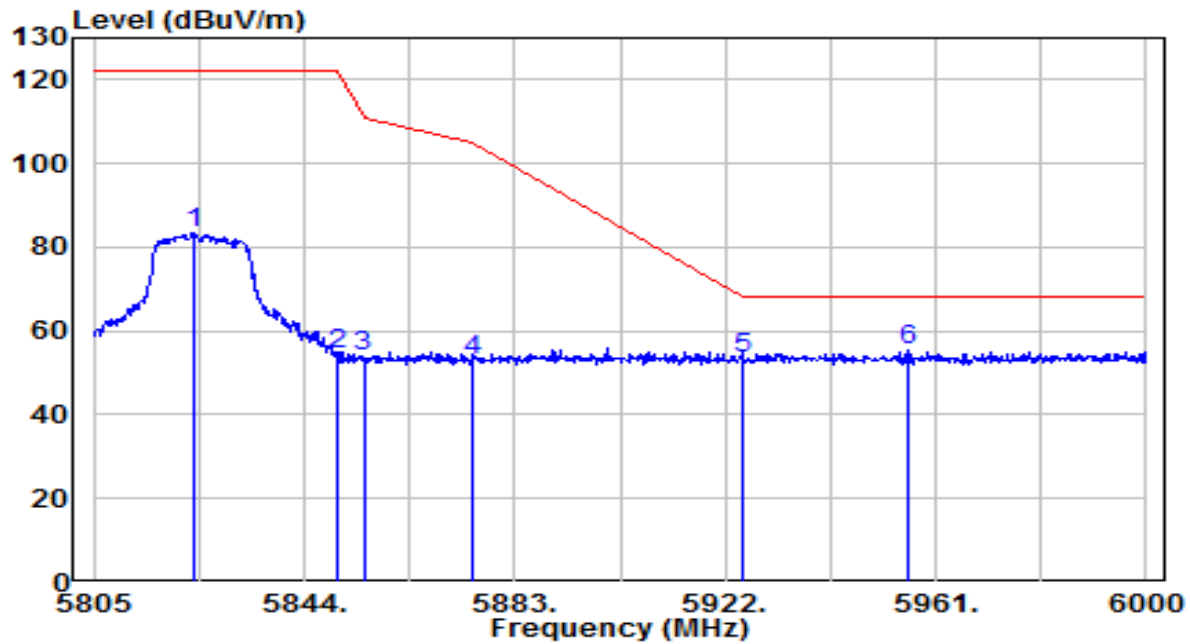


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5826.450	77.29	6.50	83.79	N/A	N/A	245	185	Peak
2	5850.000	47.61	6.57	54.18	-68.02	122.20	245	185	Peak
3	5855.000	46.81	6.59	53.40	-57.40	110.80	245	185	Peak
4	5875.000	48.69	6.65	55.34	-49.86	105.20	245	185	Peak
5	5925.000	46.23	6.81	53.04	-15.16	68.20	245	185	Peak
6	* 5950.275	48.51	6.90	55.41	-12.79	68.20	245	185	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	By Notebook PC

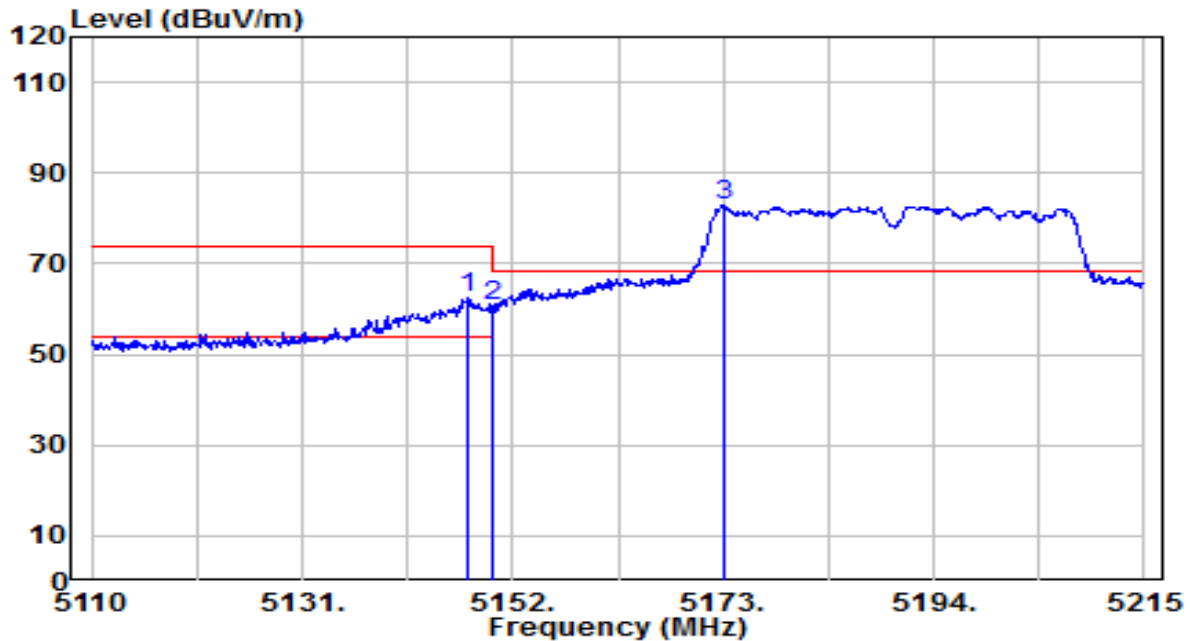


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5823.720	76.66	6.49	83.15	N/A	N/A	130	5	Peak
2	5850.000	48.07	6.57	54.64	-67.56	122.20	130	5	Peak
3	5855.000	47.31	6.59	53.90	-56.90	110.80	130	5	Peak
4	5875.000	46.52	6.65	53.17	-52.03	105.20	130	5	Peak
5	5925.000	46.81	6.81	53.63	-14.57	68.20	130	5	Peak
6	* 5955.930	48.51	6.92	55.43	-12.77	68.20	130	5	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	By Notebook PC

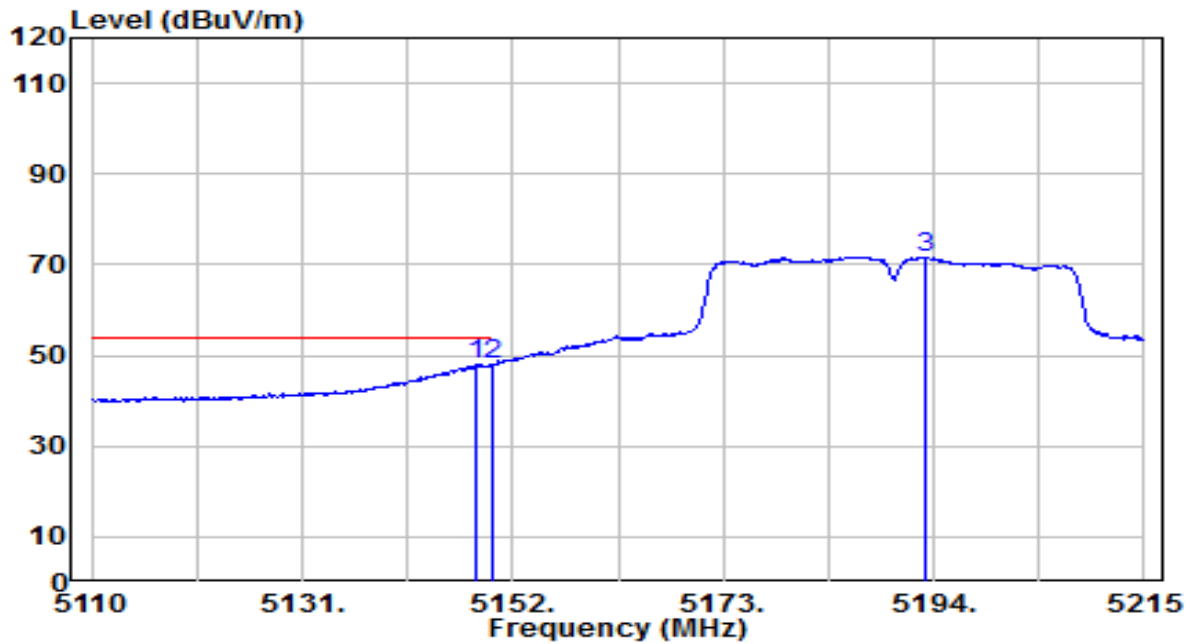


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.485	57.56	5.06	62.61	-11.39	74.00	215	160	Peak
2		5150.000	55.52	5.06	60.58	-13.42	74.00	215	160	Peak
3		5173.210	77.62	5.09	82.71	N/A	N/A	215	160	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	By Notebook PC

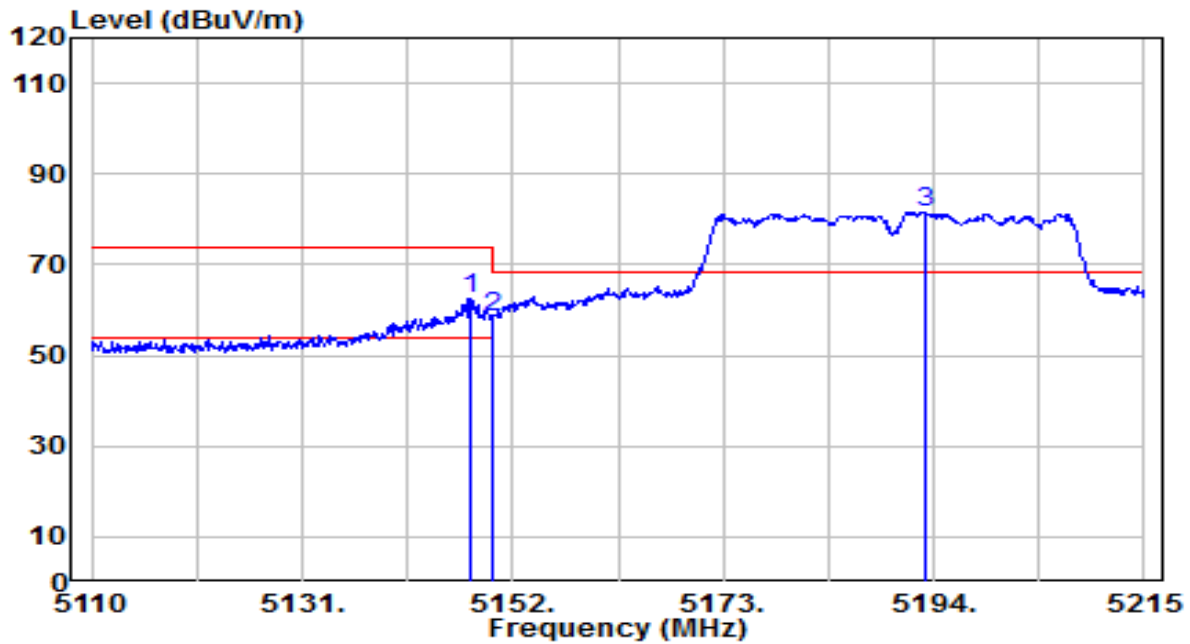


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5148.325	42.99	5.06	48.05	-5.95	54.00	215	160	Average
2		5150.000	42.79	5.06	47.85	-6.15	54.00	215	160	Average
3		5193.055	66.62	5.12	71.74	N/A	N/A	215	160	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	By Notebook PC

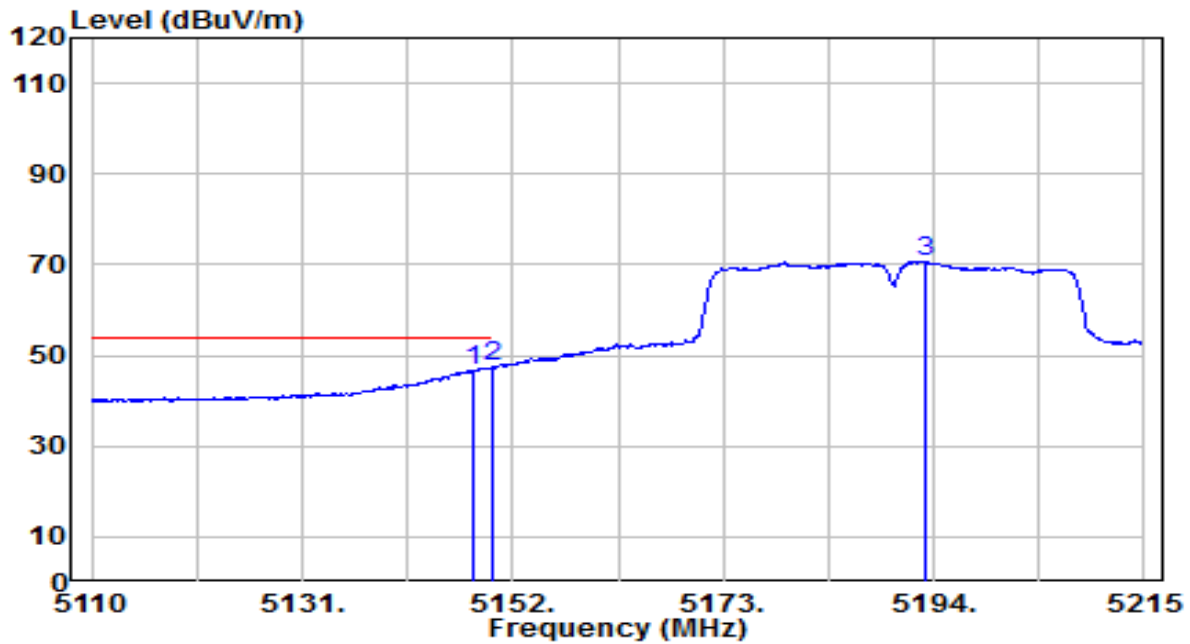


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.695	57.63	5.06	62.68	-11.32	74.00	190	355	Peak
2		5150.000	53.55	5.06	58.61	-15.39	74.00	190	355	Peak
3		5193.265	76.57	5.12	81.69	N/A	N/A	190	355	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	By Notebook PC

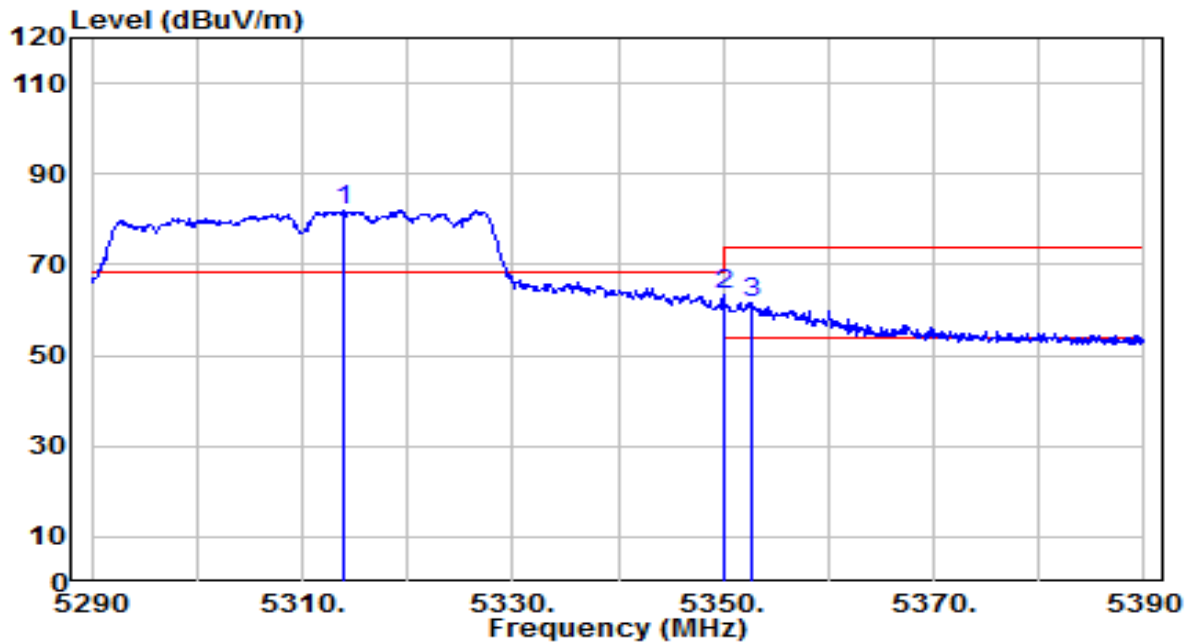


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5148.115	41.77	5.06	46.83	-7.17	54.00	190	355	Average
2	* 5150.000	42.41	5.06	47.47	-6.53	54.00	190	355	Average
3	5193.160	65.49	5.12	70.61	N/A	N/A	190	355	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	By Notebook PC

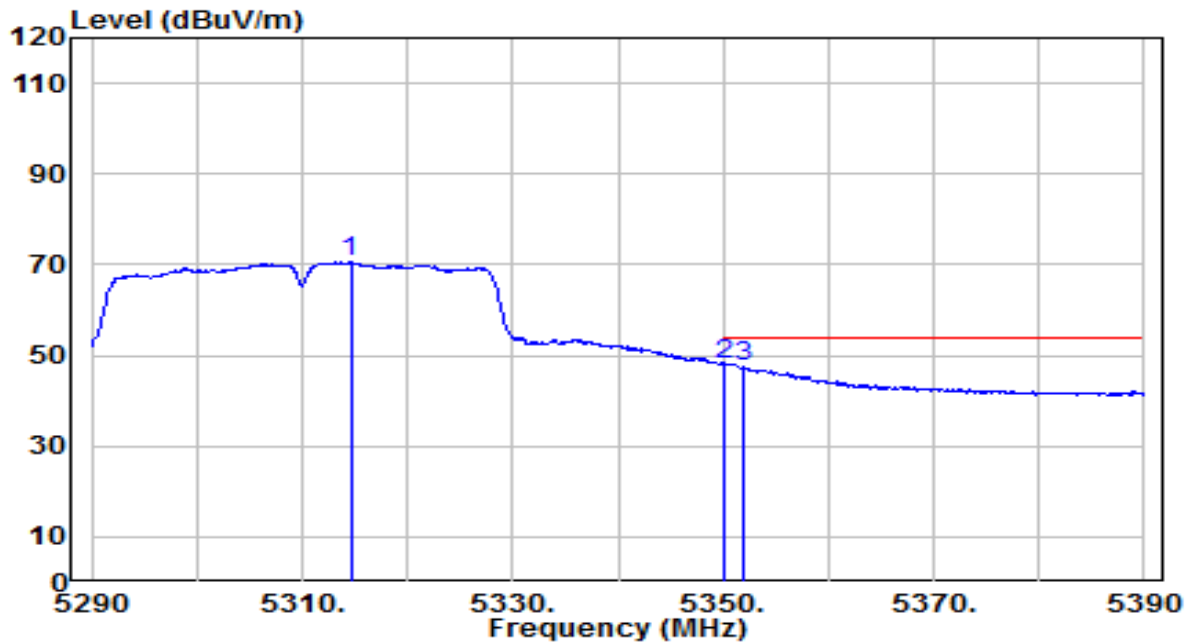


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5313.900	76.69	5.22	81.91	N/A	N/A	150	120	Peak
2	* 5350.000	58.02	5.25	63.27	-4.93	68.20	150	120	Peak
3	5352.700	56.51	5.26	61.76	-12.24	74.00	150	120	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	By Notebook PC

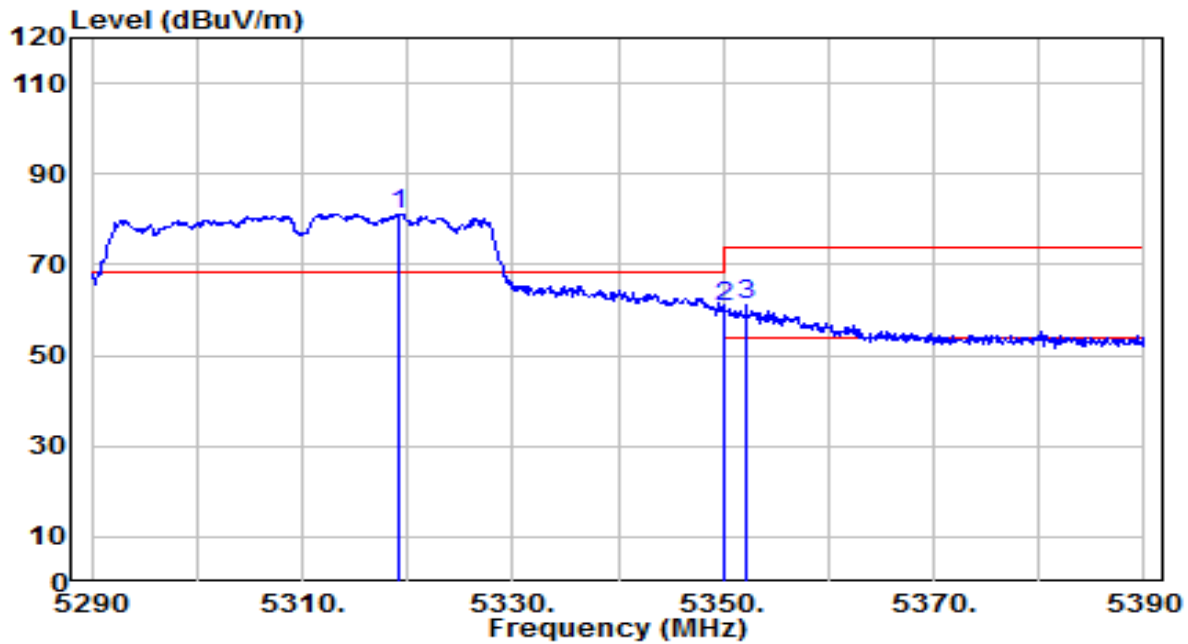


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5314.600	65.39	5.22	70.62	N/A	N/A	150	120	Average
2	* 5350.000	42.78	5.25	48.04	-5.96	54.00	150	120	Average
3	5351.900	42.25	5.26	47.51	-6.49	54.00	150	120	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	By Notebook PC

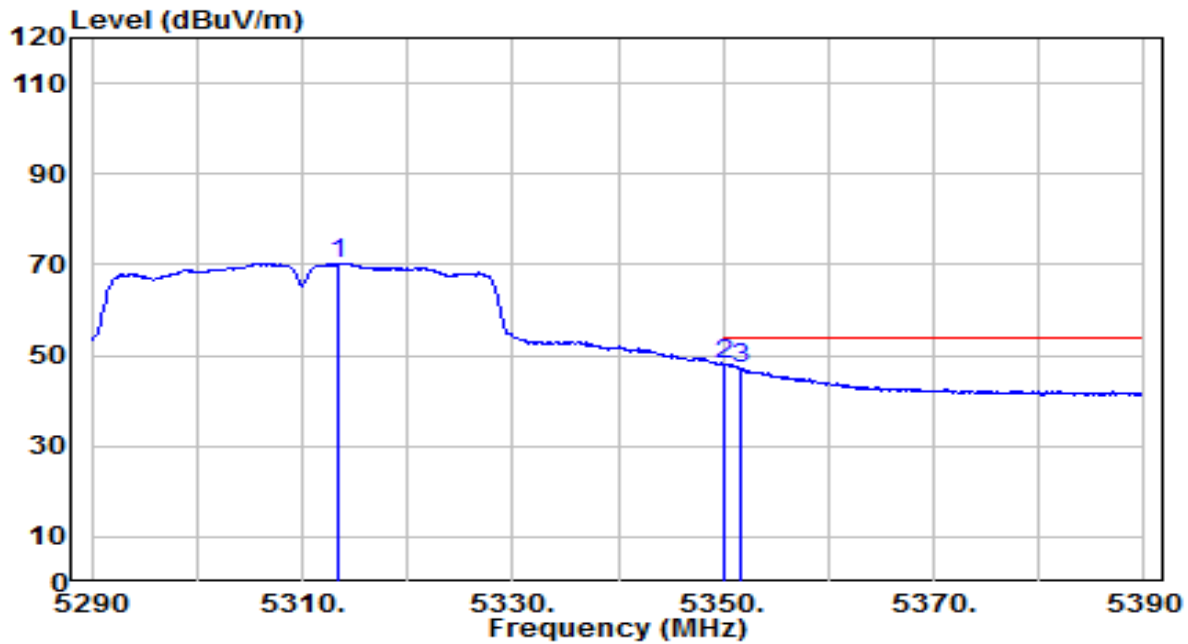


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5319.300	76.03	5.23	81.26	N/A	N/A	290	145	Peak
2	* 5350.000	55.63	5.25	60.89	-7.31	68.20	290	145	Peak
3	5352.200	55.78	5.26	61.03	-12.97	74.00	290	145	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	By Notebook PC

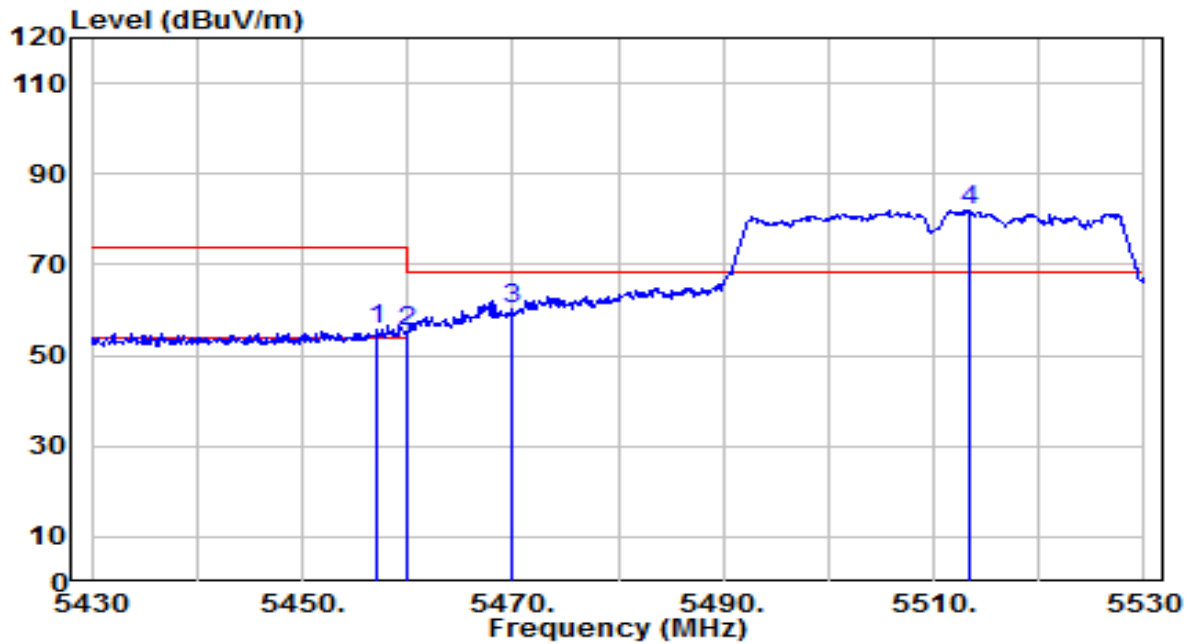


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5313.400	65.15	5.22	70.37	N/A	N/A	290	145	Average
2	* 5350.000	42.69	5.25	47.95	-6.05	54.00	290	145	Average
3	5351.700	41.80	5.26	47.06	-6.94	54.00	290	145	Average

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	By Notebook PC

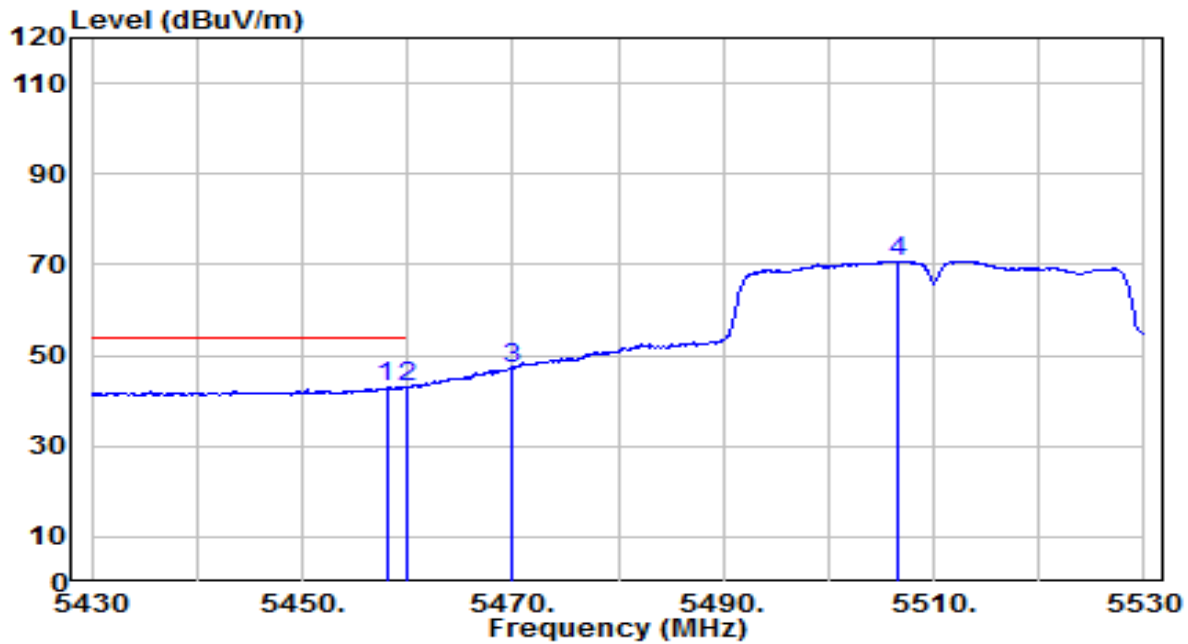


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5457.100	50.28	5.32	55.60	-18.40	74.00	135	180	Peak
2	5460.000	50.02	5.32	55.34	-12.86	68.20	135	180	Peak
3	* 5470.000	54.92	5.33	60.25	-7.95	68.20	135	180	Peak
4	5513.400	76.71	5.39	82.10	N/A	N/A	135	180	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	By Notebook PC

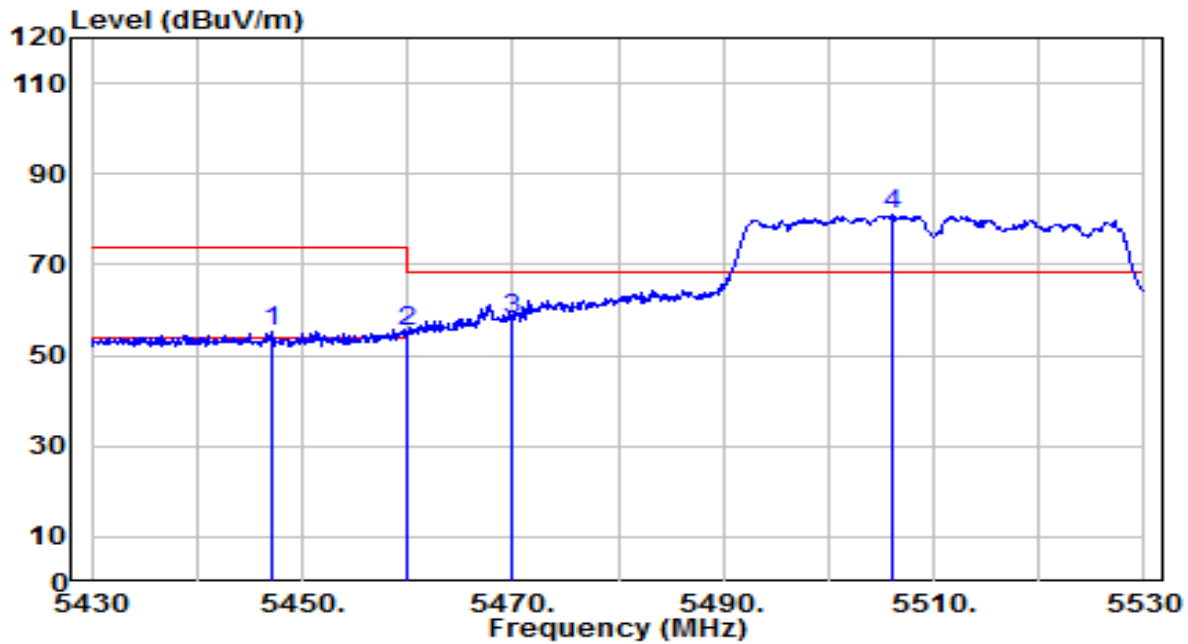


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5458.000	37.49	5.32	42.82	-11.18	54.00	135	180	Average
2	* 5460.000	37.58	5.32	42.90	-11.10	54.00	135	180	Average
3	5470.000	41.82	5.33	47.15	N/A	N/A	135	180	Average
4	5506.600	65.50	5.36	70.86	N/A	N/A	135	180	Average

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	By Notebook PC

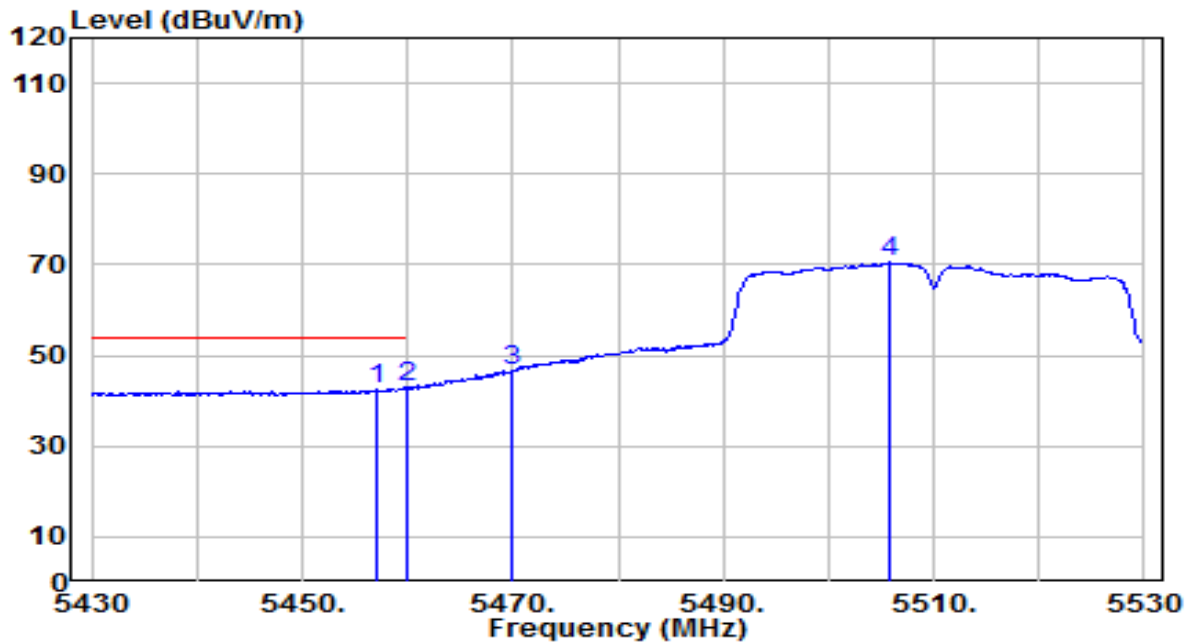


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5447.200	50.01	5.32	55.33	-18.67	74.00	190	205	Peak
2	5460.000	49.81	5.32	55.13	-13.07	68.20	190	205	Peak
3	* 5470.000	52.67	5.33	58.00	-10.20	68.20	190	205	Peak
4	5506.100	75.62	5.36	80.98	N/A	N/A	190	205	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	By Notebook PC

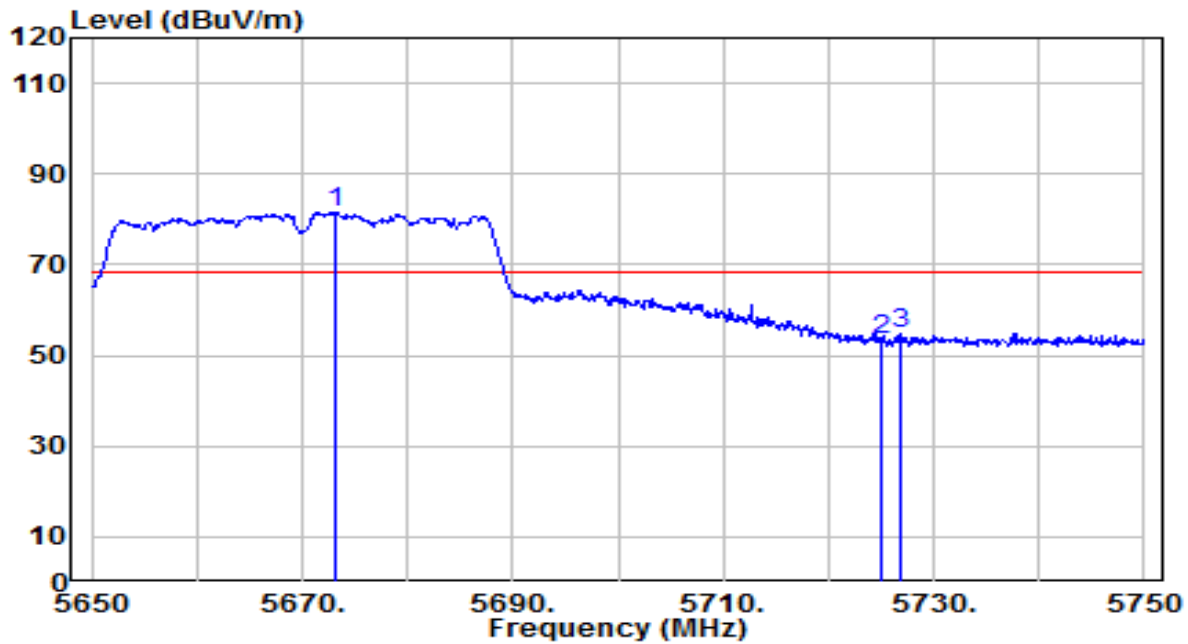


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5457.200	37.03	5.32	42.35	-11.65	54.00	190	205	Average
2	* 5460.000	37.80	5.32	43.12	-10.88	54.00	190	205	Average
3	5470.000	41.40	5.33	46.73	N/A	N/A	190	205	Average
4	5505.700	65.07	5.36	70.43	N/A	N/A	190	205	Average

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- 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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	By Notebook PC

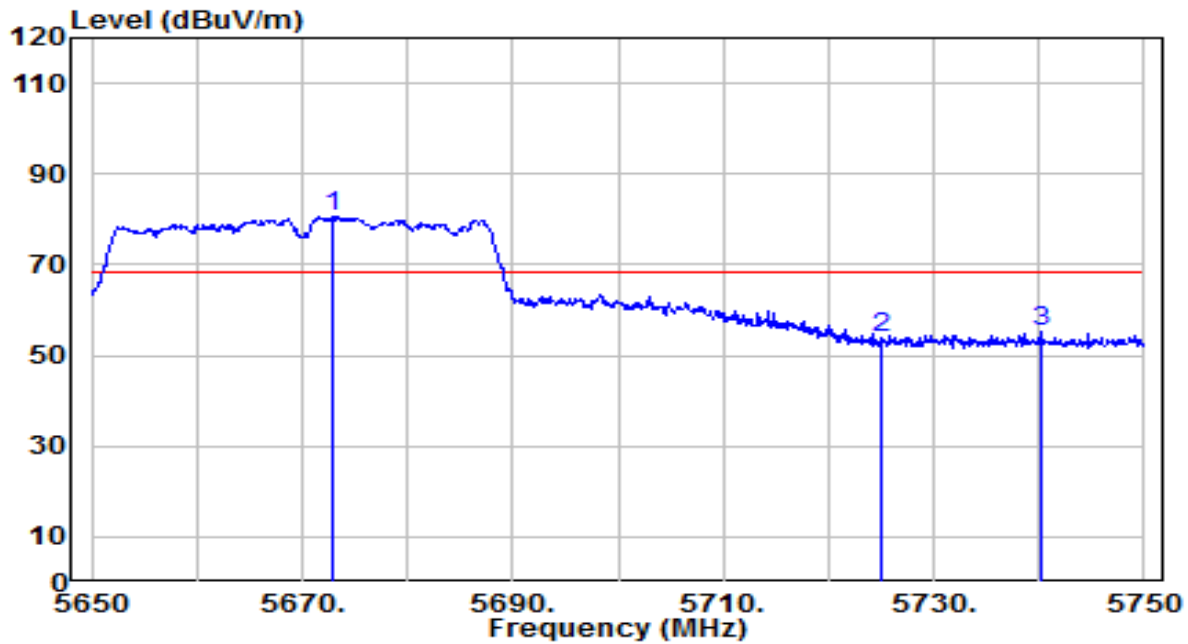


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5673.200	75.69	5.96	81.65	N/A	N/A	175	180	Peak
2	5725.000	47.13	6.14	53.27	-14.93	68.20	175	180	Peak
3	* 5726.900	48.79	6.15	54.94	-13.26	68.20	175	180	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	By Notebook PC

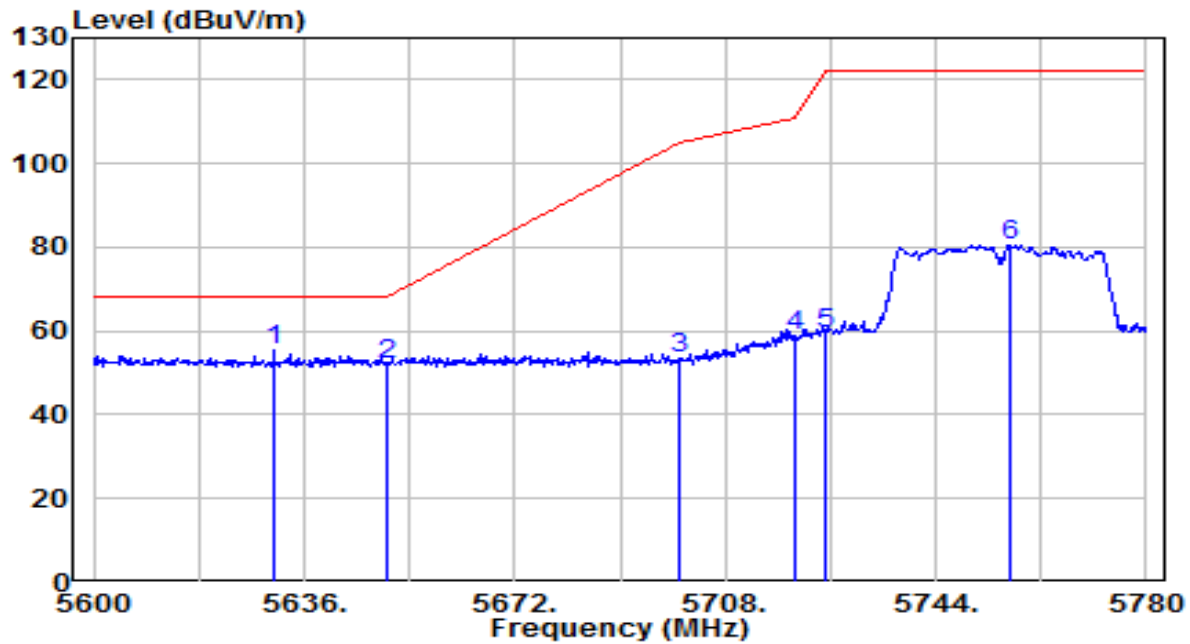


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5673.000	74.61	5.96	80.57	N/A	N/A	130	5	Peak
2	5725.000	47.57	6.14	53.72	-14.48	68.20	130	5	Peak
3	* 5740.100	48.95	6.20	55.15	-13.05	68.20	130	5	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	By Notebook PC

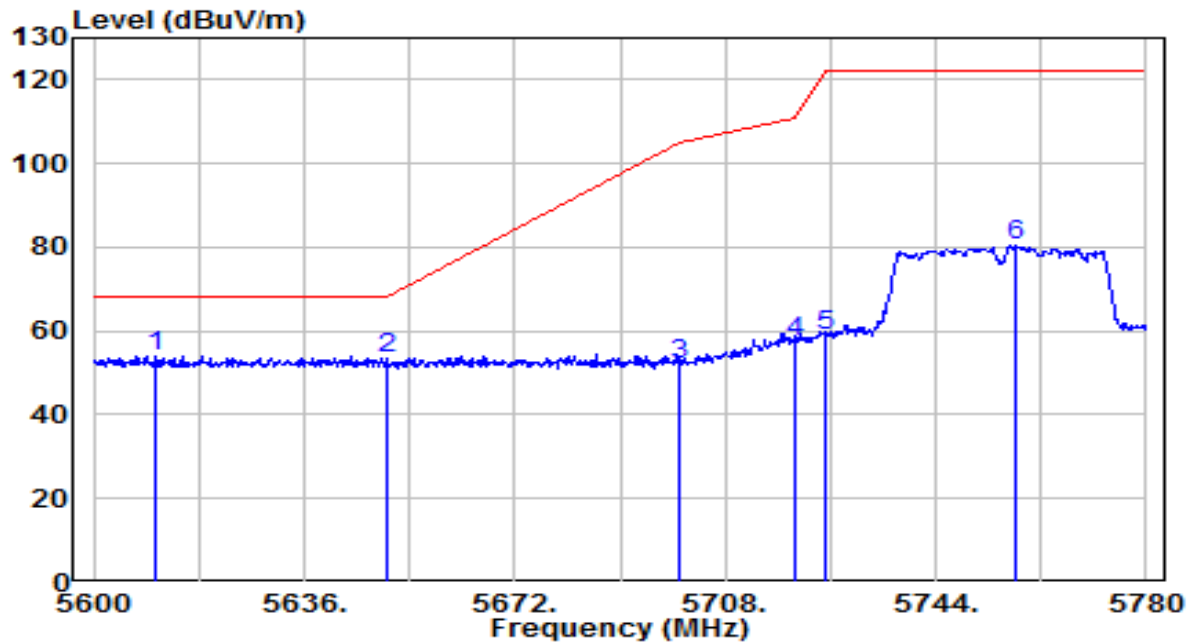


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5630.780	49.51	5.81	55.32	-12.88	68.20	250	185	Peak
2		5650.000	46.25	5.88	52.13	-16.07	68.20	250	185	Peak
3		5700.000	47.22	6.05	53.27	-51.93	105.20	250	185	Peak
4		5720.000	52.56	6.13	58.69	-52.11	110.80	250	185	Peak
5		5725.000	53.32	6.14	59.47	-62.73	122.20	250	185	Peak
6		5756.600	74.28	6.26	80.54	N/A	N/A	250	185	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	By Notebook PC

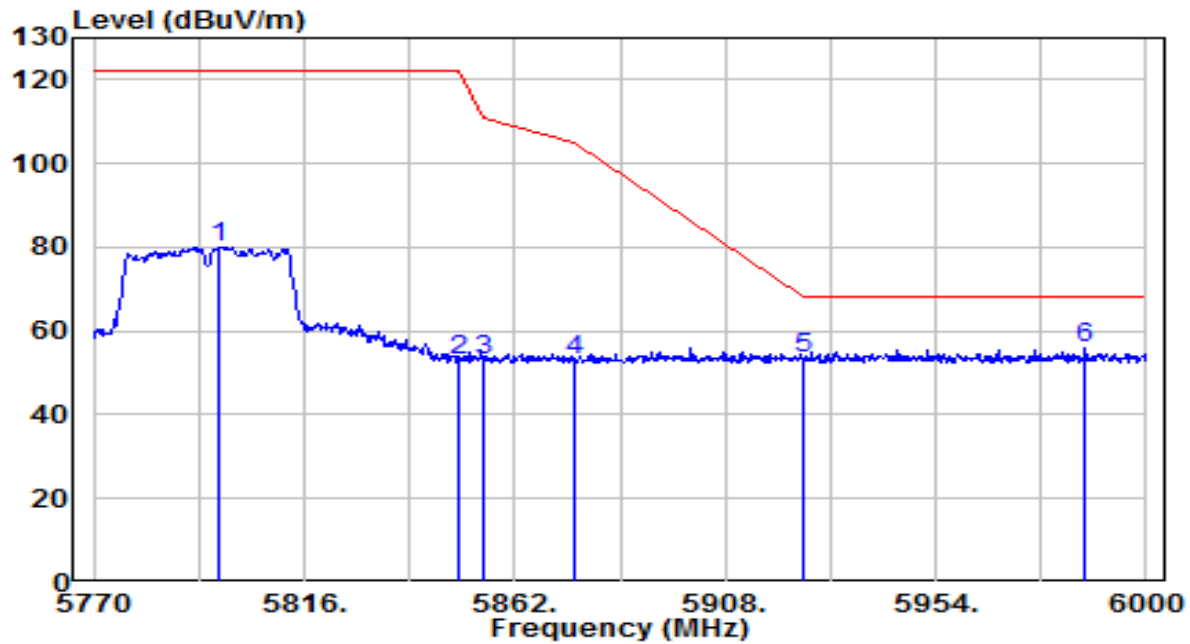


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5610.440	48.26	5.74	54.00	-14.20	68.20	125	360	Peak
2		5650.000	47.57	5.88	53.45	-14.75	68.20	125	360	Peak
3		5700.000	46.18	6.05	52.23	-52.97	105.20	125	360	Peak
4		5720.000	51.48	6.13	57.61	-53.19	110.80	125	360	Peak
5		5725.000	52.88	6.14	59.02	-63.18	122.20	125	360	Peak
6		5757.680	74.02	6.26	80.28	N/A	N/A	125	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	By Notebook PC

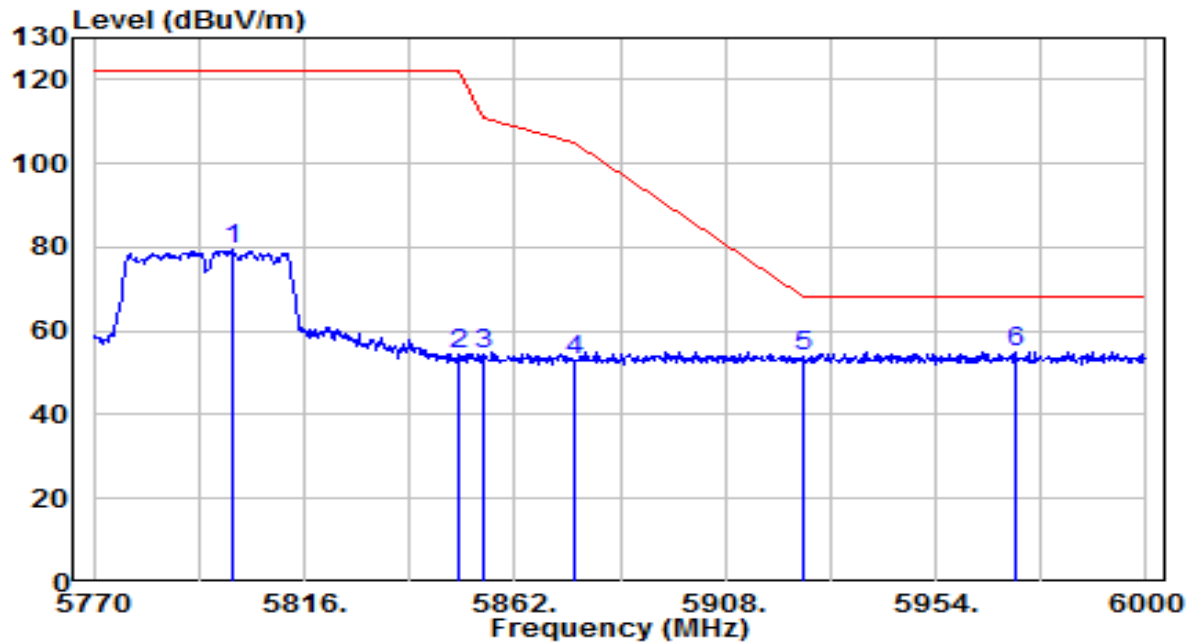


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5797.600	73.54	6.41	79.95	N/A	N/A	245	185	Peak
2	5850.000	46.31	6.57	52.88	-69.32	122.20	245	185	Peak
3	5855.000	46.62	6.59	53.20	-57.60	110.80	245	185	Peak
4	5875.000	46.47	6.65	53.11	-52.09	105.20	245	185	Peak
5	5925.000	46.44	6.81	53.26	-14.94	68.20	245	185	Peak
6	* 5986.660	48.66	7.03	55.69	-12.51	68.20	245	185	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) + 10dB Attenuation.
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	Smart Controller	Date of Test	2025-07-12
Factor	BBHA 9120D	Temp. / Humidity	25°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	By Notebook PC



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	5800.130	72.88	6.42	79.30	N/A	N/A	130	5	Peak
2	5850.000	47.82	6.57	54.39	-67.81	122.20	130	5	Peak
3	5855.000	47.68	6.59	54.27	-56.53	110.80	130	5	Peak
4	5875.000	46.40	6.65	53.04	-52.16	105.20	130	5	Peak
5	5925.000	47.20	6.81	54.01	-14.19	68.20	130	5	Peak
6	* 5971.250	48.08	6.98	55.06	-13.14	68.20	130	5	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) + 10dB Attenuation.
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.

7.9. AC Conducted Emissions Measurement

7.9.1. Test Limit

FCC Part 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.

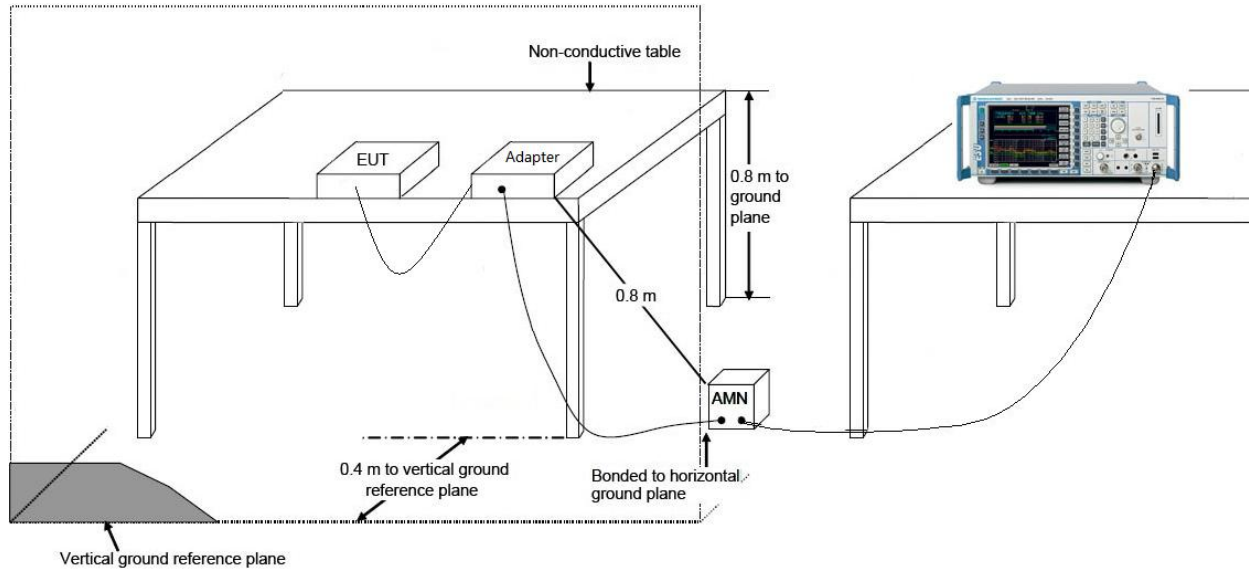
7.9.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

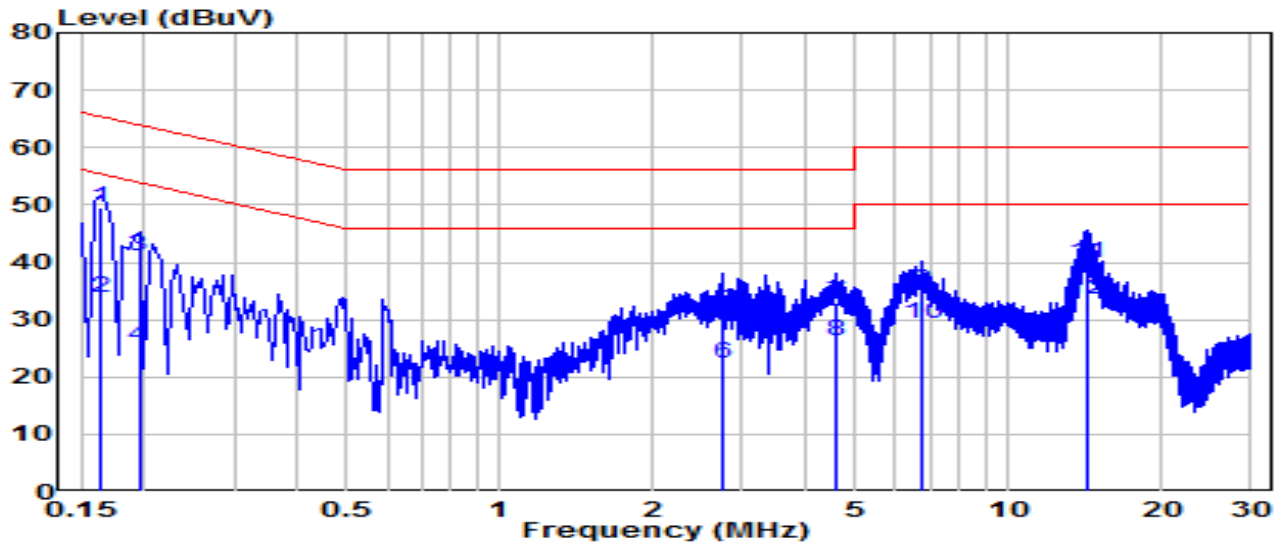
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.9.3. Test Setup



7.9.4. Test Result

EUT	Smart Controller	Date of Test	2025-05-23
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	26°C /58%
Polarity	Line1	Site / Test Engineer	SR2 / Ryan
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0	Test Voltage	AC 120V/60Hz

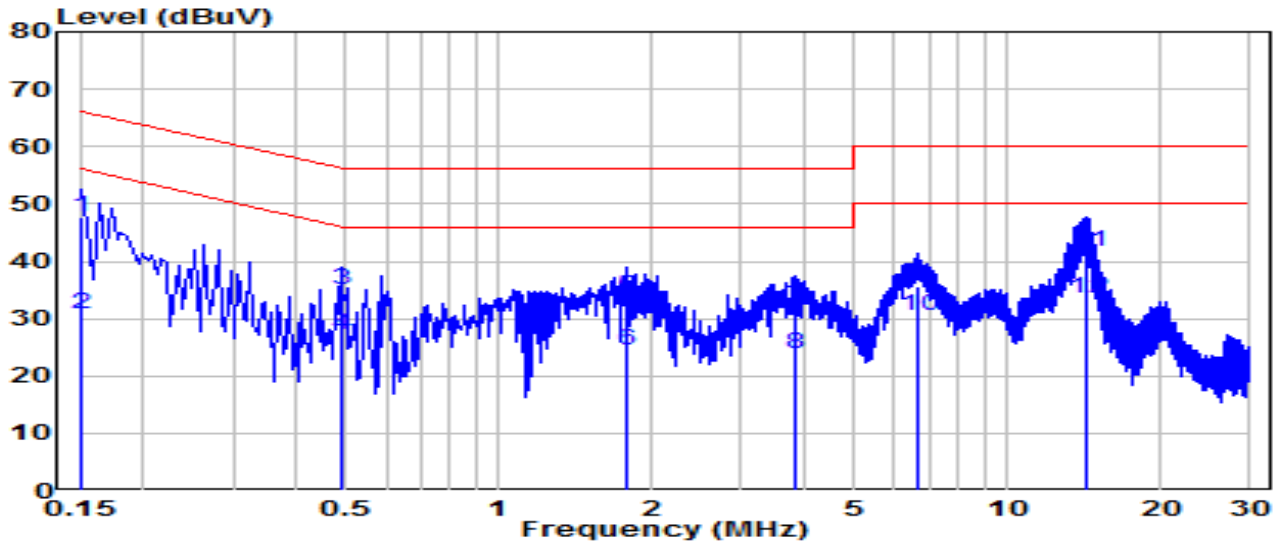


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.163	39.91	9.63	49.54	-15.74	65.28	QP
2	*	0.163	24.25	9.63	33.88	-21.41	55.28	Average
3		0.195	31.51	9.62	41.13	-22.69	63.82	QP
4		0.195	15.85	9.62	25.47	-28.35	53.82	Average
5		2.751	21.65	9.71	31.36	-24.64	56.00	QP
6		2.751	12.69	9.71	22.40	-23.60	46.00	Average
7		4.614	23.14	9.74	32.88	-23.12	56.00	QP
8		4.614	16.46	9.74	26.20	-19.80	46.00	Average
9		6.724	25.17	9.79	34.96	-25.04	60.00	QP
10		6.724	19.44	9.79	29.23	-20.77	50.00	Average
11		14.220	30.05	9.90	39.95	-20.05	60.00	QP
12		14.220	23.50	9.90	33.40	-16.60	50.00	Average

Note:

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

EUT	Smart Controller	Date of Test	2025-05-23
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	26°C /58%
Polarity	Neutral	Site / Test Engineer	SR2 / Ryan
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.150	37.99	9.63	47.62	-18.38	66.00	QP
2		0.150	21.16	9.63	30.79	-25.21	56.00	Average
3		0.487	25.23	9.64	34.87	-21.34	56.21	QP
4		0.487	17.64	9.64	27.28	-18.93	46.21	Average
5		1.792	24.03	9.69	33.73	-22.27	56.00	QP
6		1.792	14.82	9.69	24.52	-21.48	46.00	Average
7		3.822	22.19	9.73	31.91	-24.09	56.00	QP
8		3.822	14.02	9.73	23.75	-22.25	46.00	Average
9		6.634	25.95	9.79	35.74	-24.26	60.00	QP
10		6.634	20.71	9.79	30.50	-19.50	50.00	Average
11	*	14.387	31.69	9.91	41.60	-18.40	60.00	QP
12	*	14.387	23.71	9.91	33.63	-16.37	50.00	Average

Note:

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Smart Controller**, is in compliance with Part 15E of the FCC Rules.

Appendix A : Test Photograph

Refer to “2505TW0106-UT” file.

Appendix B : External Photograph

Refer to “2505TW0106-UE” file.

Appendix C : Internal Photograph

Refer to “2505TW0106-UI” file.

_____ The End _____