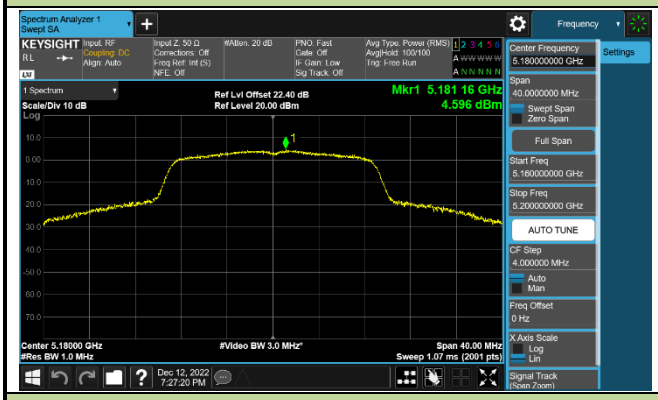
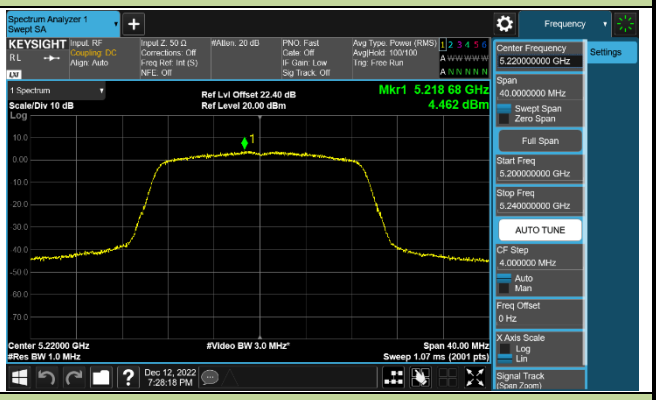
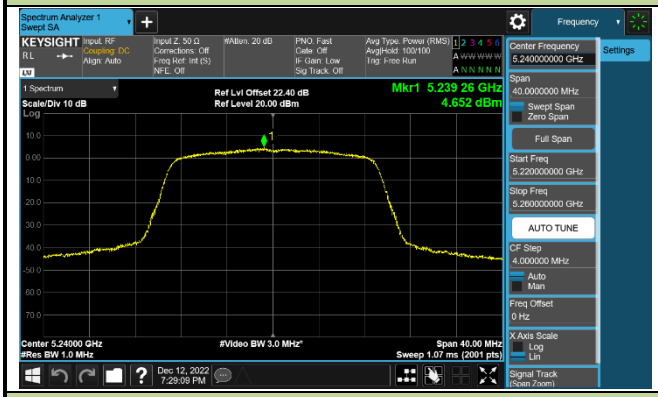
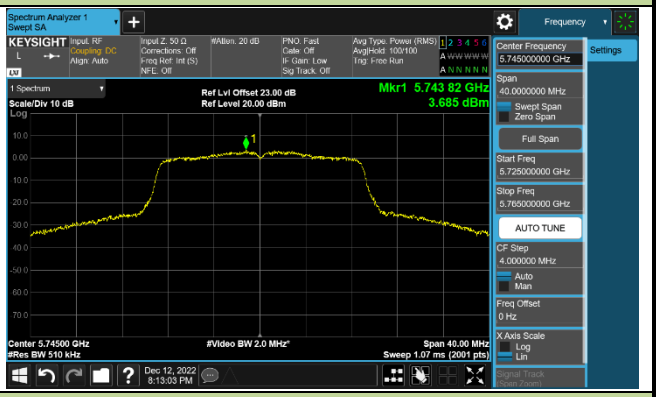
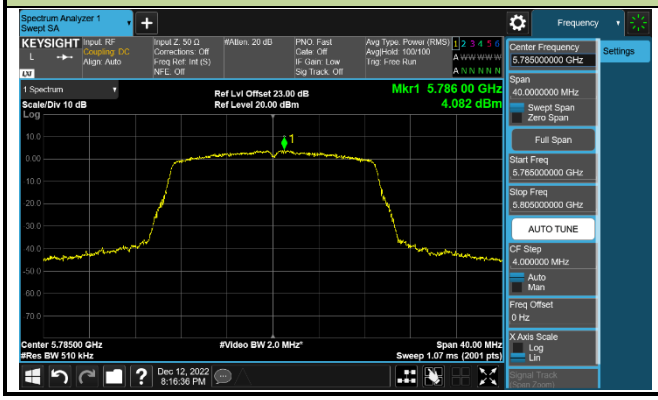
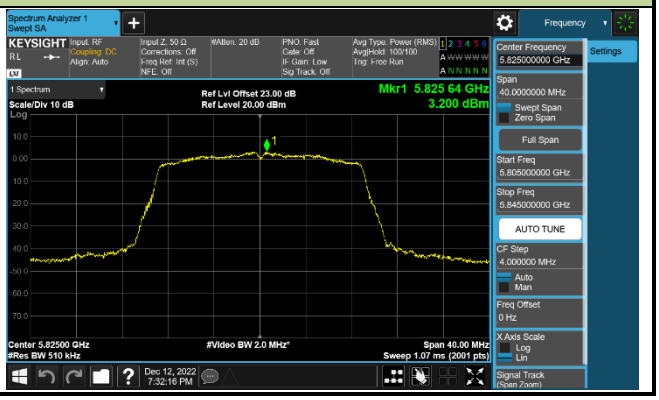
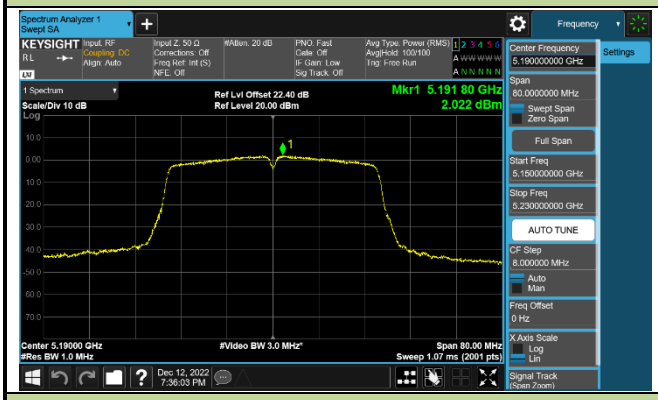
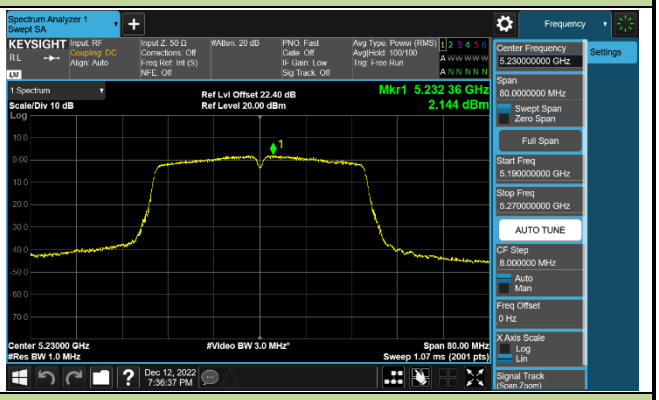
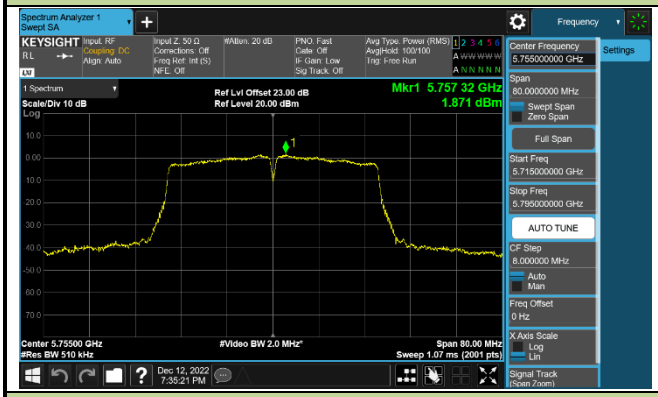
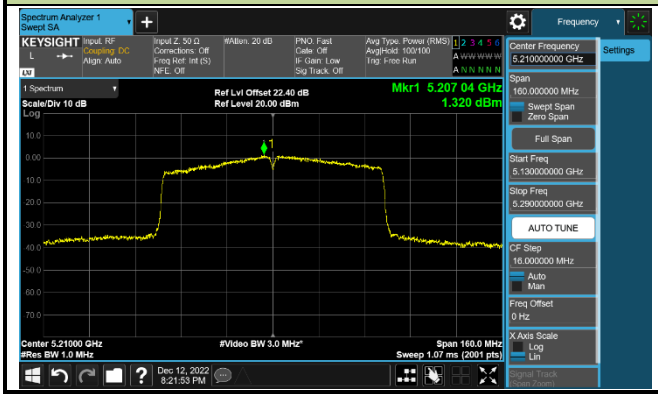
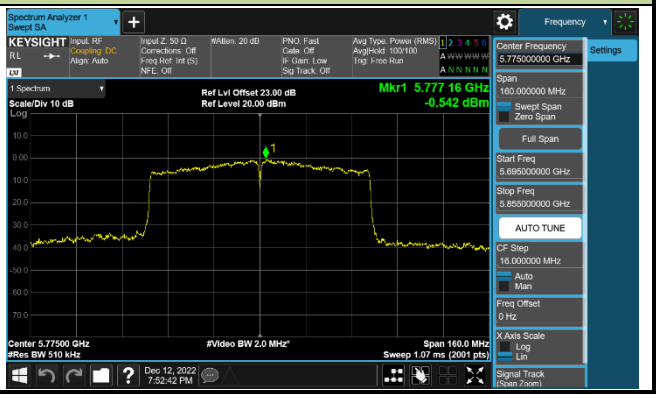
802.11ac-VHT20 Power Spectral Density - Ant 2	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11ac-VHT40 Power Spectral Density - Ant 2	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ac-VHT80 Power Spectral Density - Ant 2	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

7.6. Frequency Stability Measurement

7.6.1.Test Limit

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

7.6.2.Test Limit

Frequency Stability Under Temperature Variations:

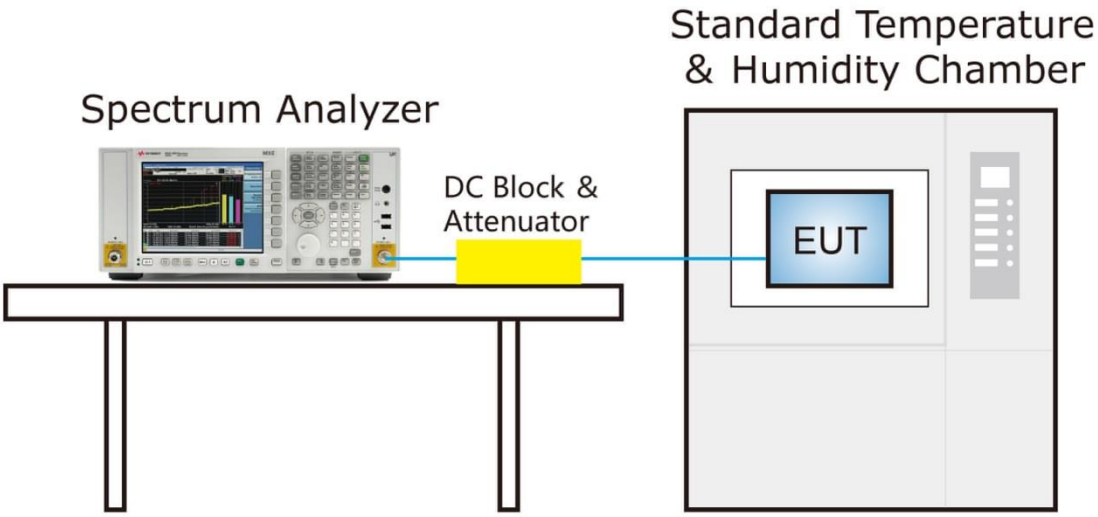
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

Frequency Stability Under Voltage Variations:

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

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, recordthe maximum frequency change.

7.6.3.Test Setup



7.6.4.Test Result

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

7.7. 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 47CFR must not exceed the limits shown in Table per Section 15.209.

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

7.7.2.Test Procedure Used

KDB 789033 D02v02r01- Section II) G

7.7.3.Test Setting

Table 1 - RBW as a function of frequency

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

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW;If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

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

4. Detector = Peak

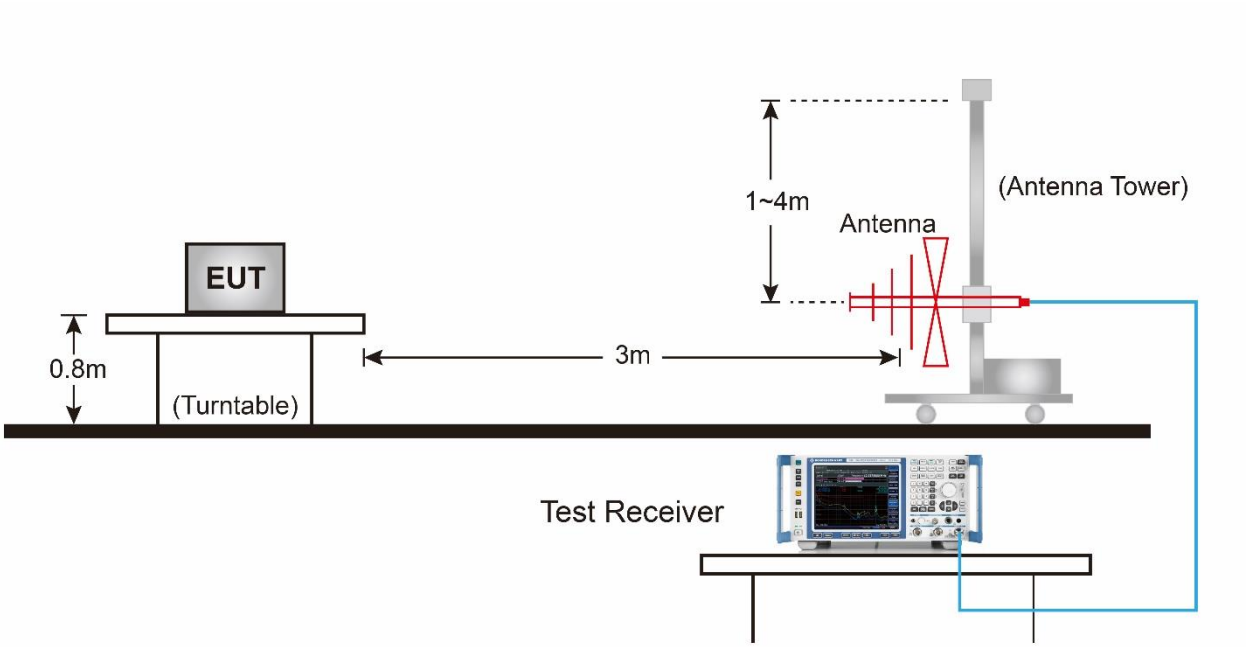
5. Sweep time = auto

6. Trace mode = max hold

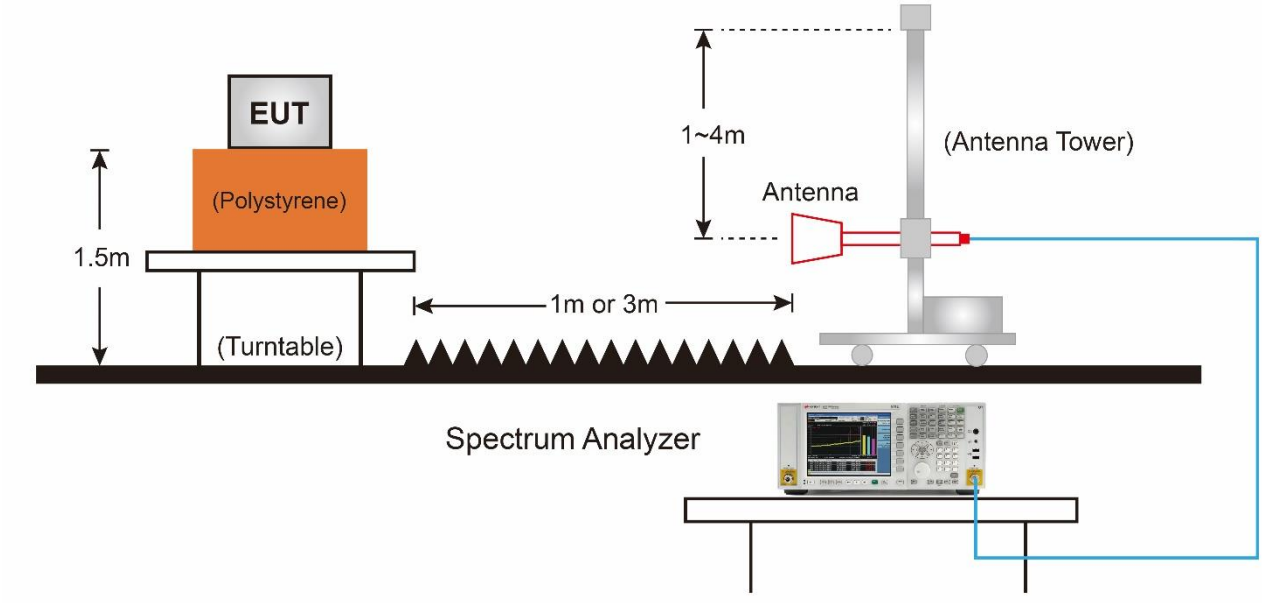
7. Trace was allowed to stabilize

7.7.4.Test Setup

Below 1GHz Test Setup:

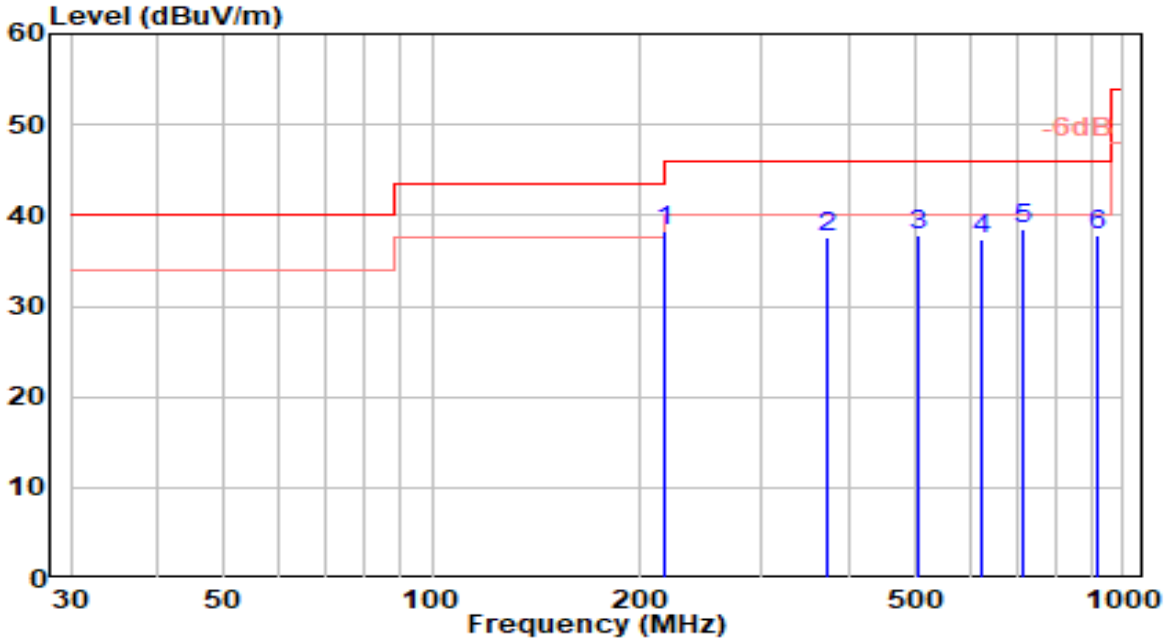


Above 1GHz Test Setup:



7.7.5.Test Result

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-11-28
Factor	VULB 9162	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1+2	Test Voltage	AC 120V/60Hz

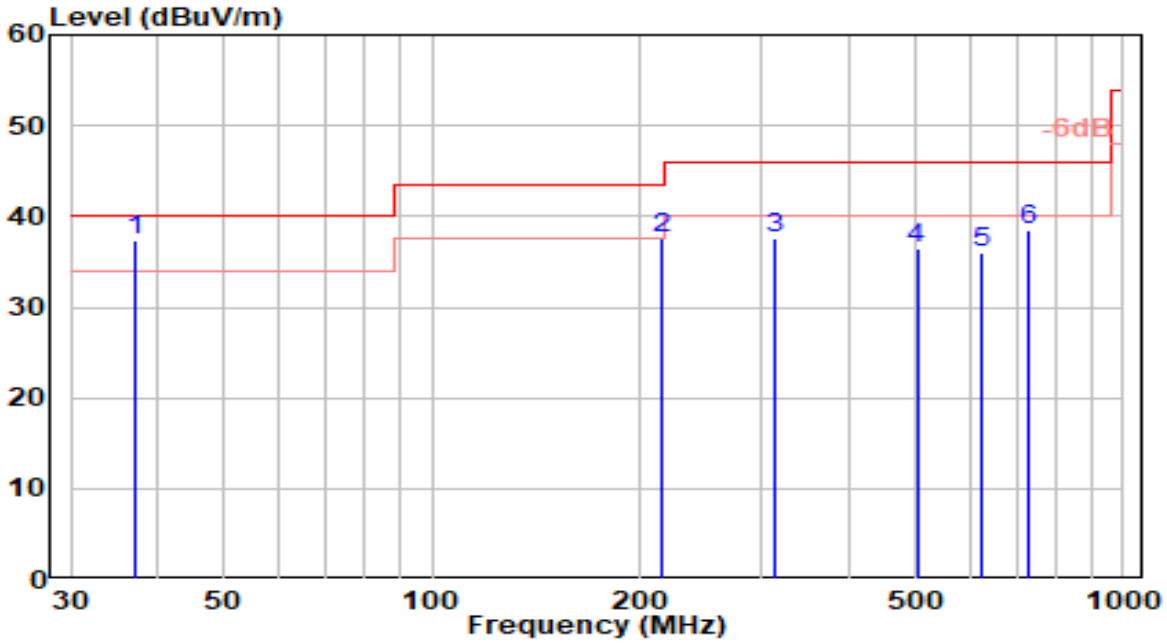


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		216.960	19.25	18.93	38.18	-7.82	46.00	170	55	QP
2		373.300	14.09	23.46	37.55	-8.45	46.00	100	118	QP
3		503.490	12.02	25.77	37.79	-8.21	46.00	100	131	QP
4		623.620	9.36	27.92	37.28	-8.72	46.00	150	74	QP
5	*	717.120	9.34	29.15	38.50	-7.50	46.00	150	155	QP
6		919.120	6.24	31.64	37.88	-8.12	46.00	100	329	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-11-28
Factor	VULB 9162	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1+2	Test Voltage	AC 120V/60Hz

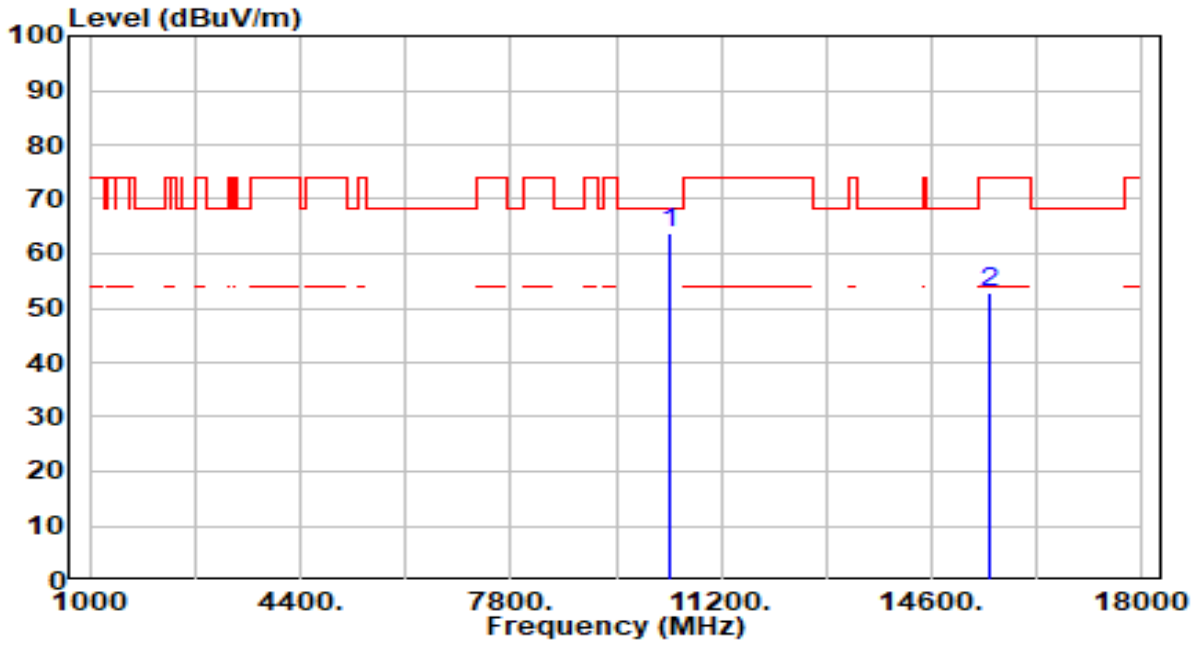


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	37.110	17.94	19.33	37.27	-2.73	40.00	100	212	QP
2		215.400	18.76	18.86	37.63	-5.87	43.50	100	105	QP
3		312.250	15.88	21.75	37.63	-8.37	46.00	150	32	QP
4		502.750	10.71	25.76	36.47	-9.53	46.00	100	105	QP
5		624.240	8.03	27.92	35.96	-10.04	46.00	150	27	QP
6		726.460	9.30	29.28	38.59	-7.41	46.00	150	30	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

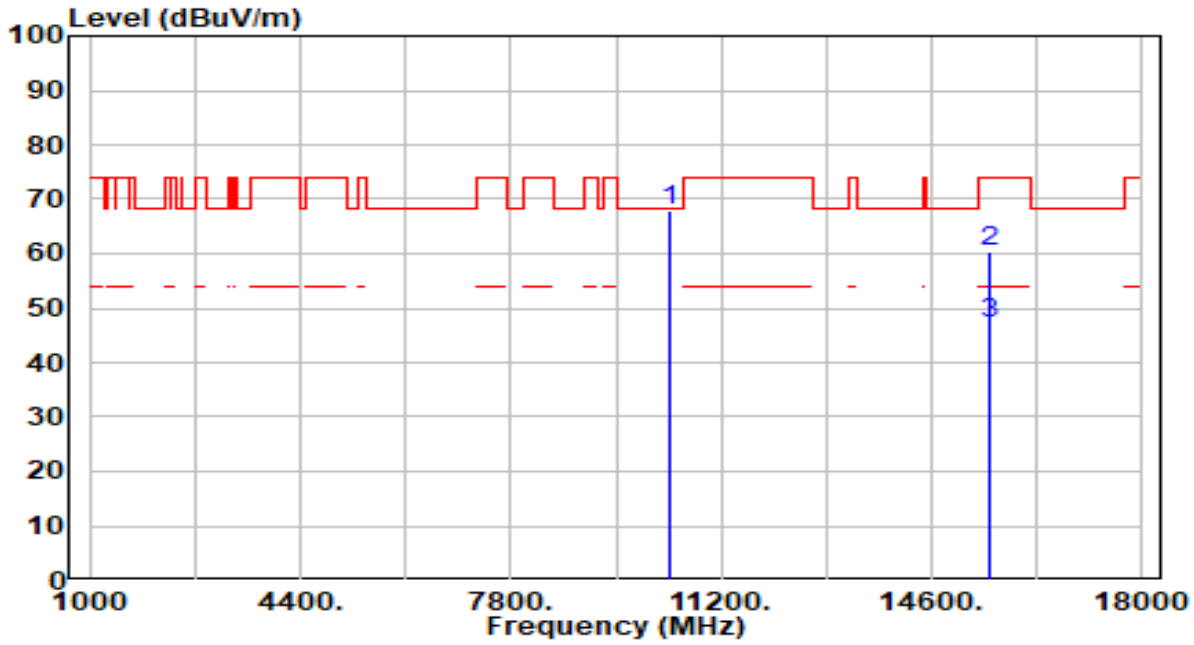


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	58.63	5.29	63.92	-4.28	68.20	225	226	Peak
2		15540.000	46.47	6.41	52.88	-21.12	74.00	100	122	Peak

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

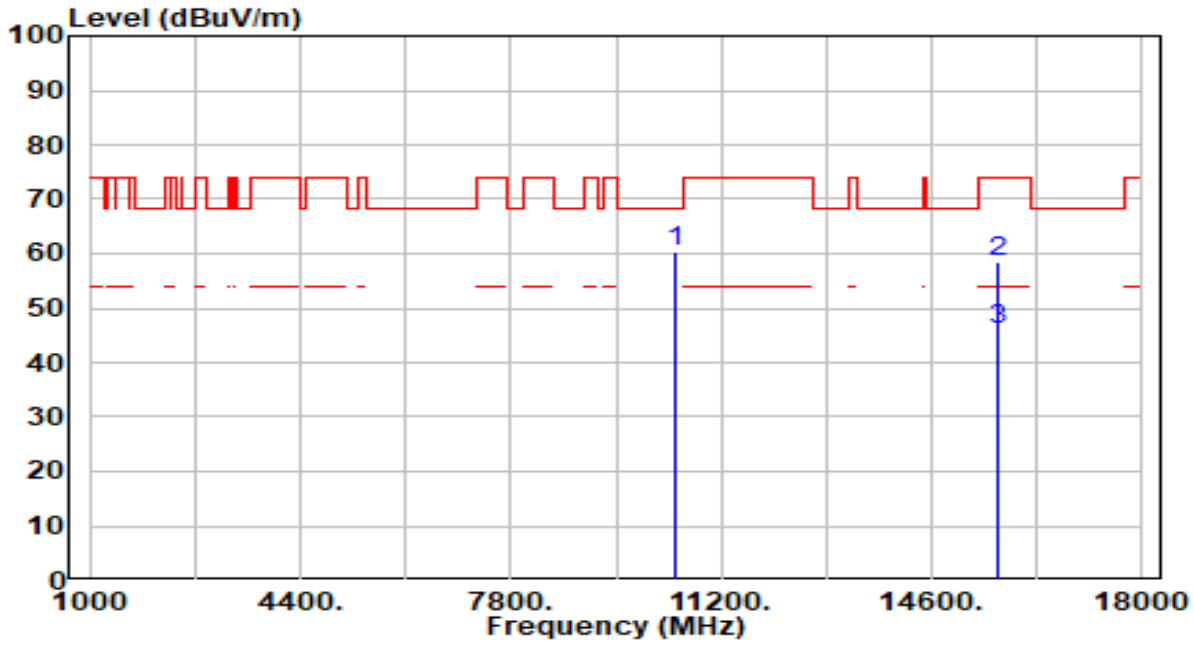


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	62.77	5.29	68.06	-0.14	68.20	100	345	Peak
2		15540.000	53.96	6.41	60.37	-13.63	74.00	104	168	Peak
3		15540.000	40.80	6.41	47.21	-6.79	54.00	104	168	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 44_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

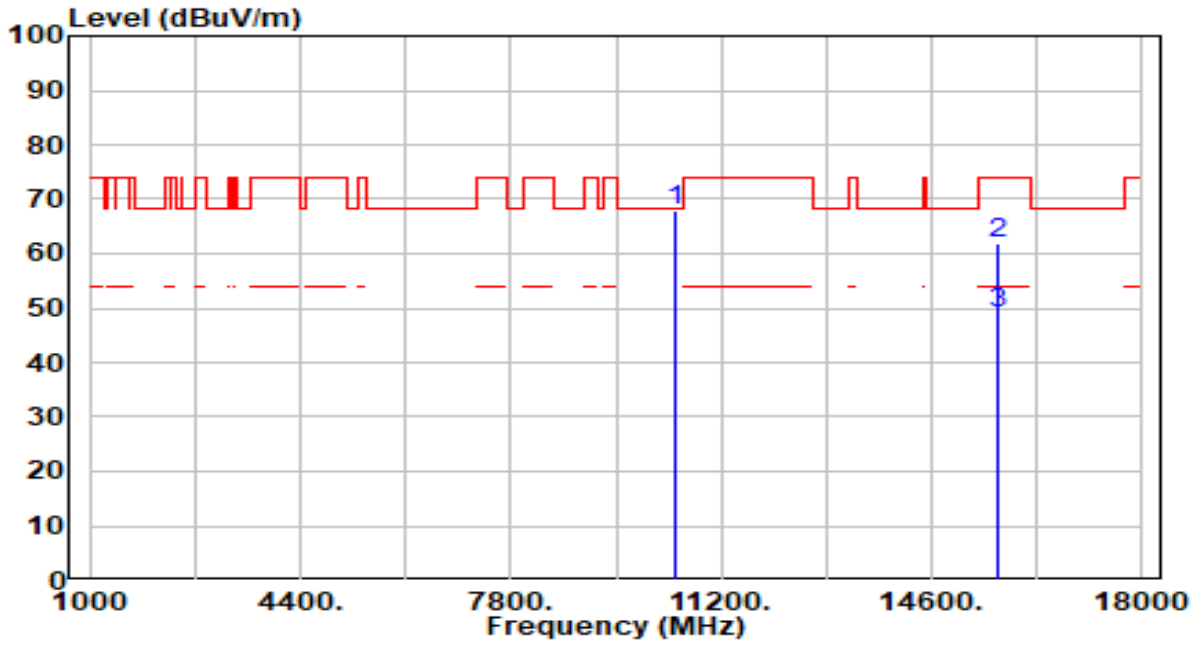


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10440.000	54.98	5.28	60.25	-7.95	68.20	300	139	Peak
2	*	15660.000	51.79	6.56	58.35	-15.65	74.00	100	228	Peak
3	*	15660.000	39.57	6.56	46.13	-7.87	54.00	100	228	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 44_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

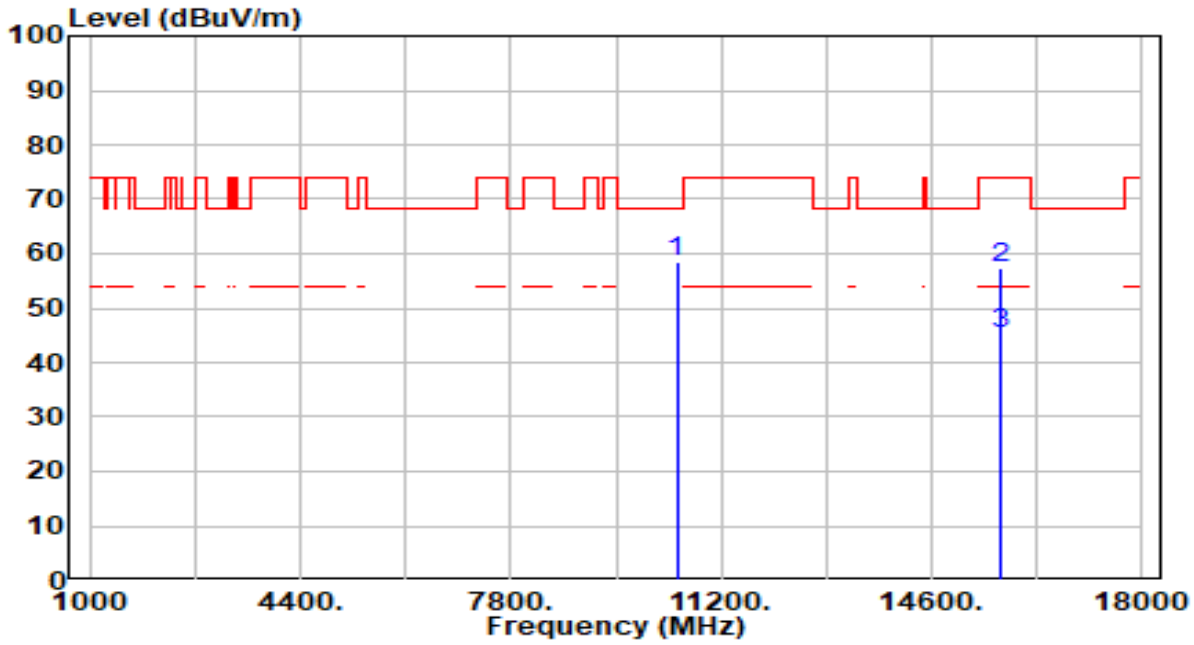


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	62.81	5.28	68.09	-0.11	68.20	210	89	Peak
2		15660.000	55.37	6.56	61.93	-12.07	74.00	100	176	Peak
3		15660.000	42.48	6.56	49.04	-4.96	54.00	100	176	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 48_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

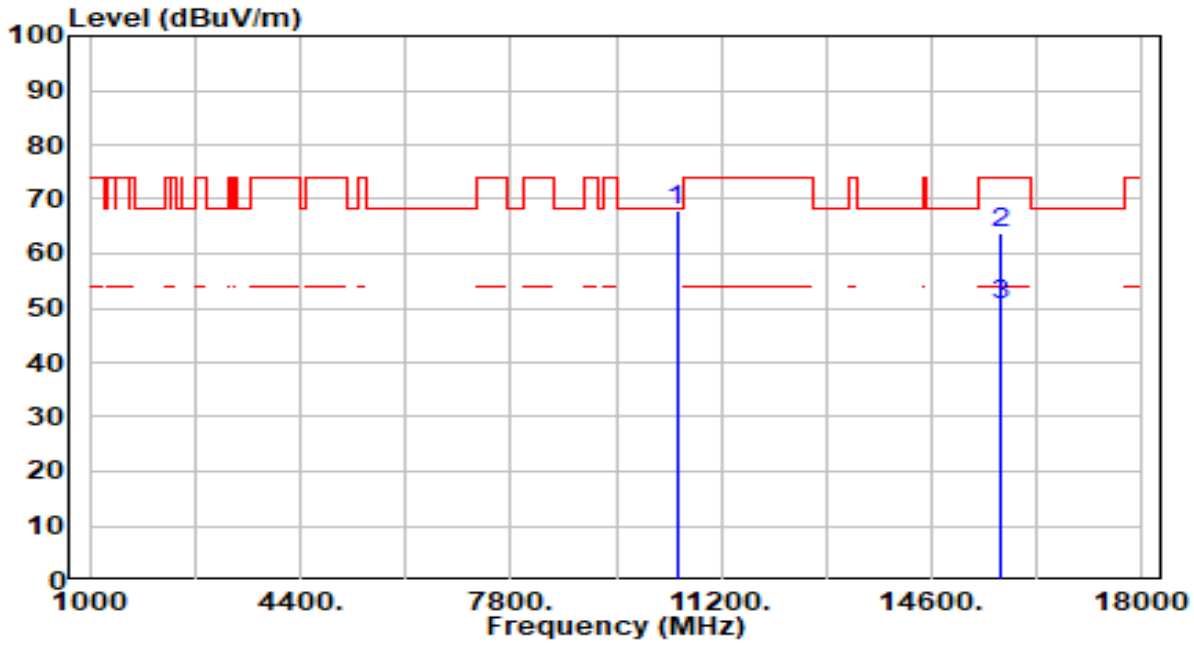


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10480.000	53.34	5.26	58.60	-9.60	68.20	100	192	Peak
2	*	15720.000	50.71	6.69	57.40	-16.60	74.00	101	230	Peak
3	*	15720.000	38.60	6.69	45.29	-8.71	54.00	101	230	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 48_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

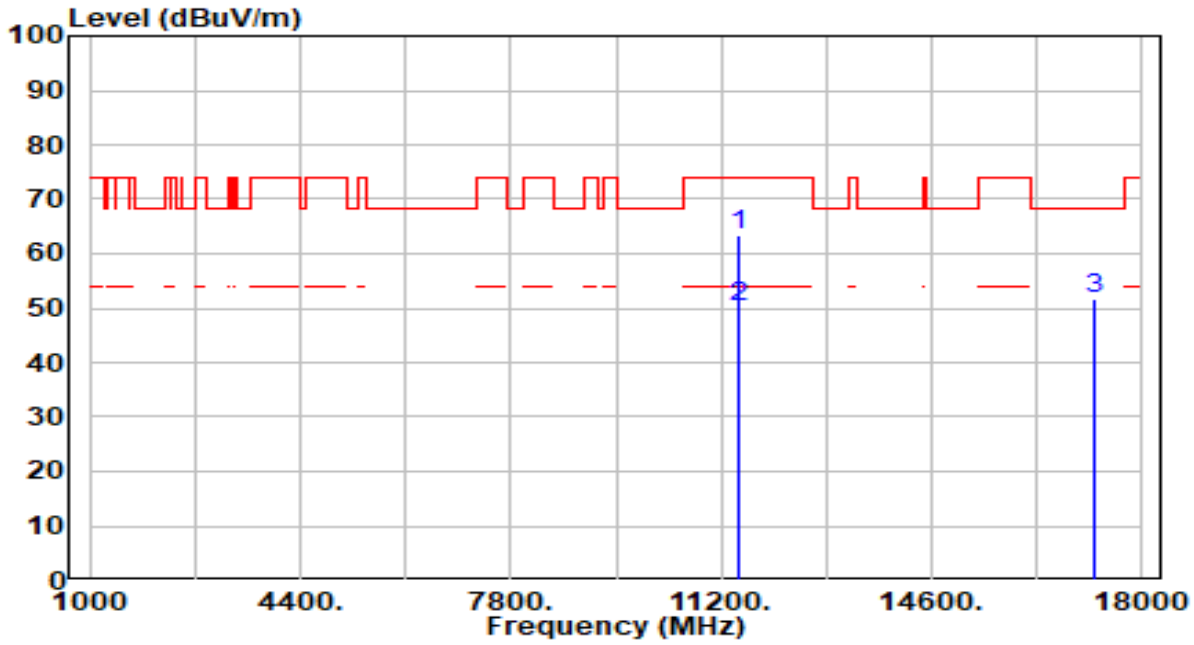


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	62.76	5.26	68.02	-0.18	68.20	110	45	Peak
2		15720.000	56.92	6.69	63.61	-10.39	74.00	100	72	Peak
3		15720.000	43.75	6.69	50.44	-3.56	54.00	100	72	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

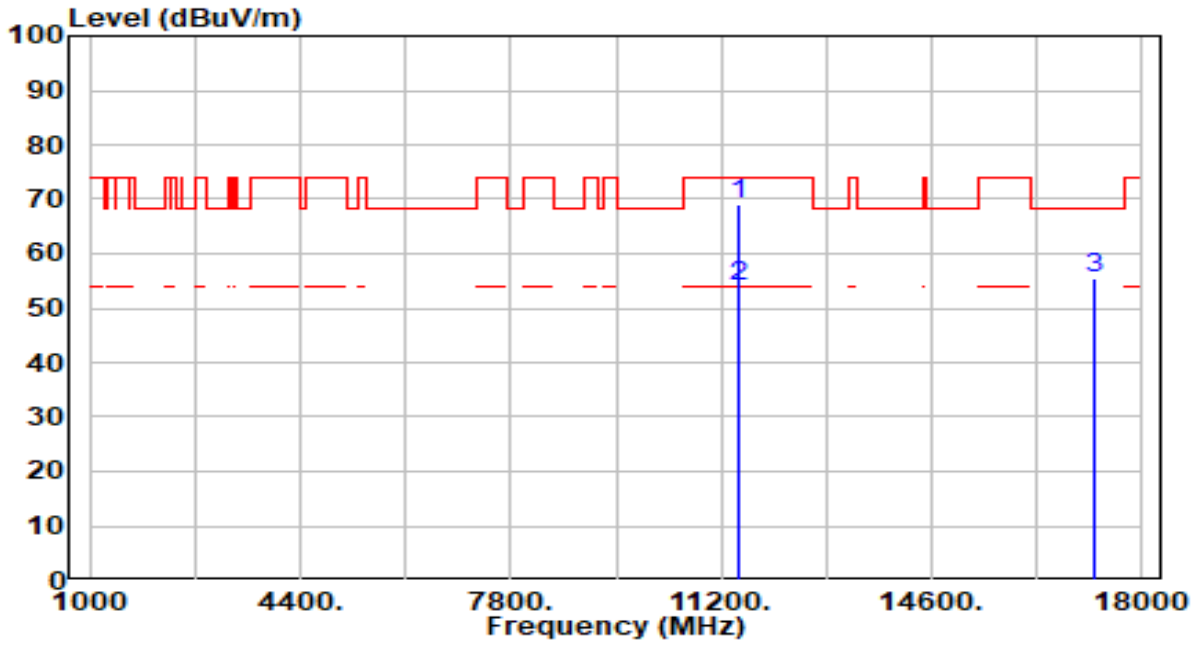


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11490.000	57.59	5.94	63.53	-10.47	74.00	100	131	Peak
2	*	11490.000	44.14	5.94	50.08	-3.92	54.00	100	131	Average
3		17235.000	45.85	5.78	51.64	-16.56	68.20	300	1	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

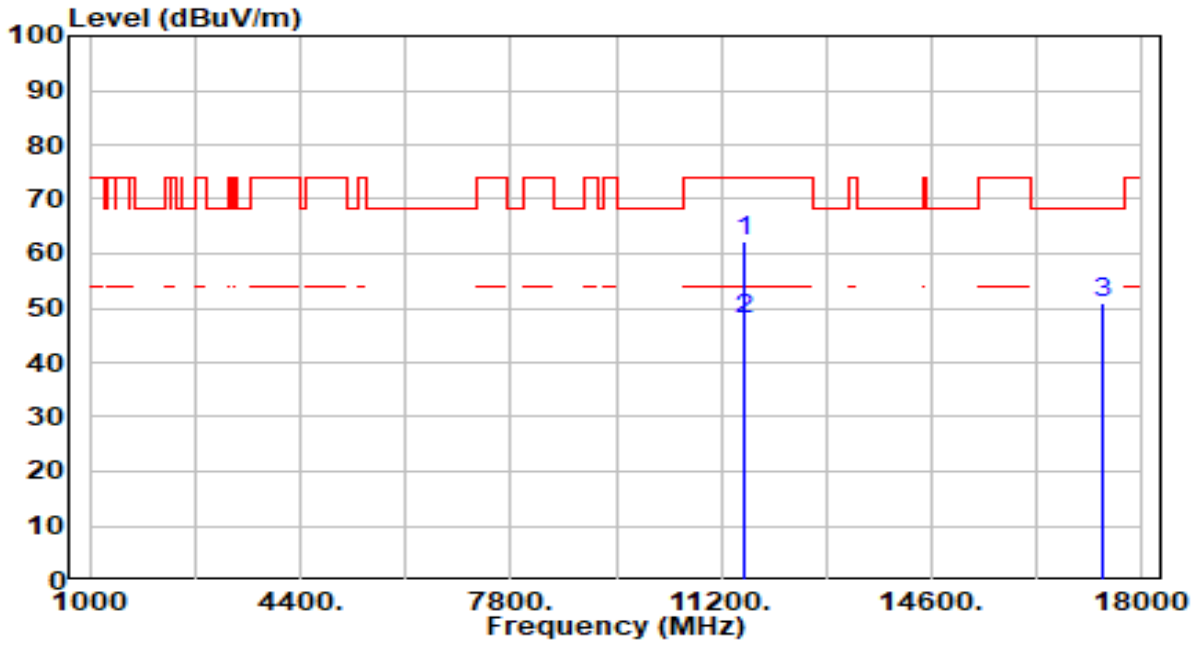


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11490.000	63.12	5.94	69.06	-4.94	74.00	100	157	Peak
2	*	11490.000	47.89	5.94	53.83	-0.17	54.00	100	157	Average
3		17235.000	49.66	5.78	55.45	-12.75	68.20	200	169	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. No3 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 157_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

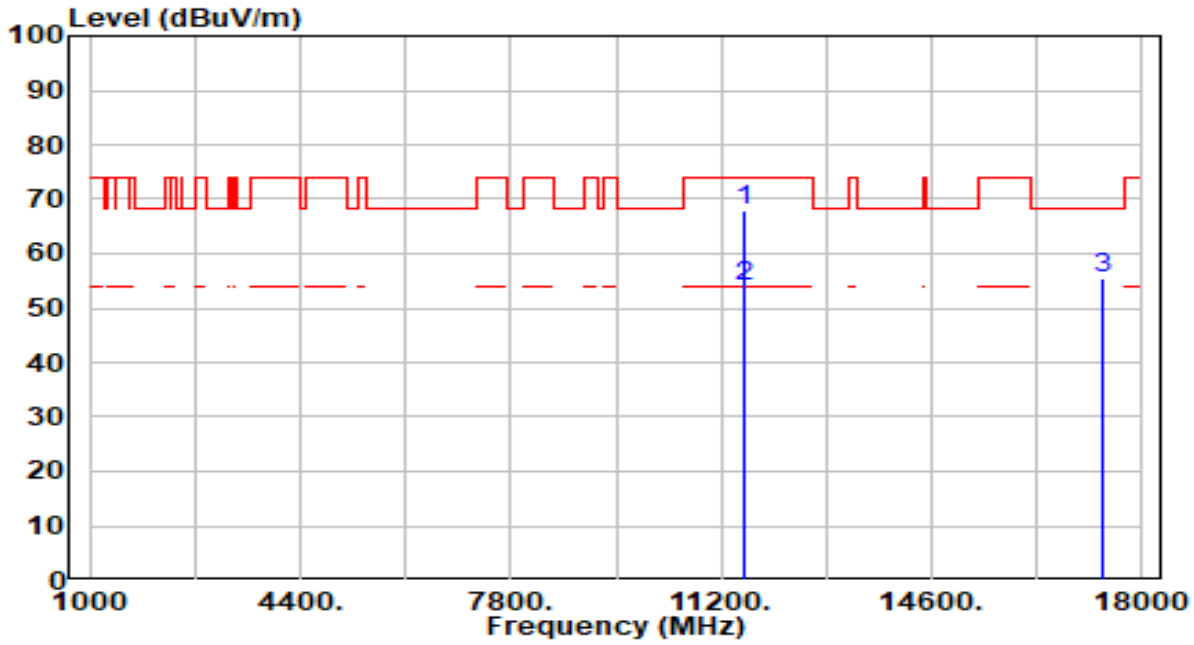


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11570.000	56.29	5.91	62.20	-11.80	74.00	100	149	Peak
2	*	11570.000	41.85	5.91	47.76	-6.24	54.00	100	149	Average
3		17355.000	45.27	5.54	50.81	-17.39	68.20	261	360	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 157_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

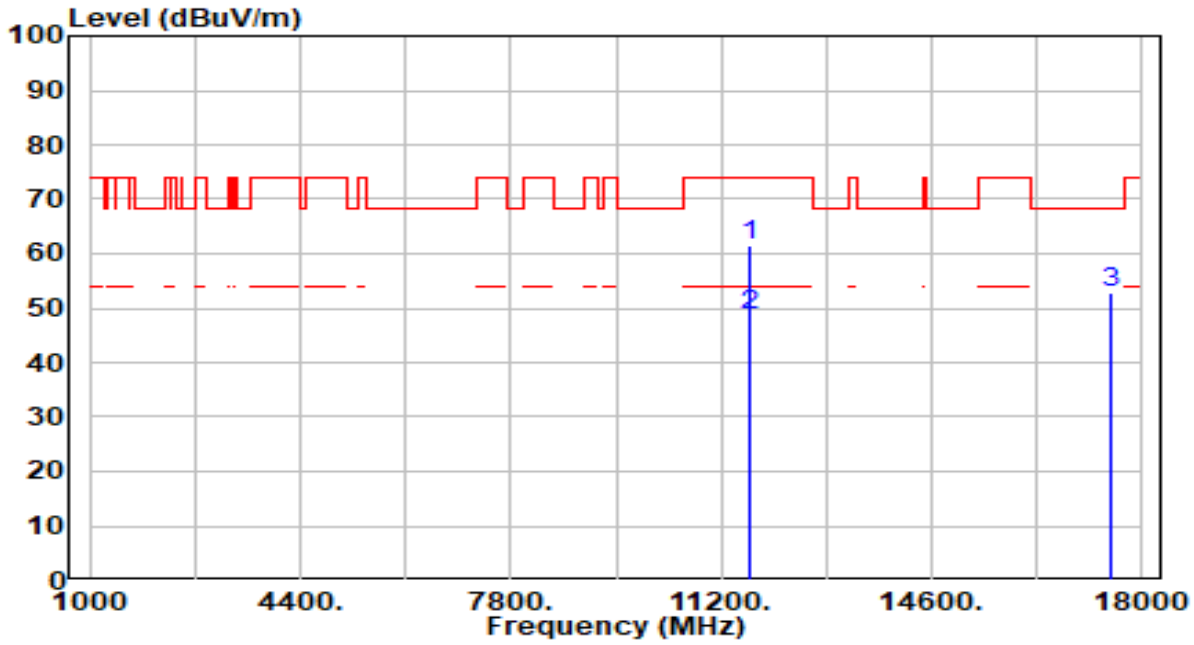


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11570.000	62.17	5.91	68.08	-5.92	74.00	100	156	Peak
2	*	11570.000	47.95	5.91	53.86	-0.14	54.00	100	156	Average
3		17355.000	50.11	5.54	55.65	-12.55	68.20	200	168	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. No3 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

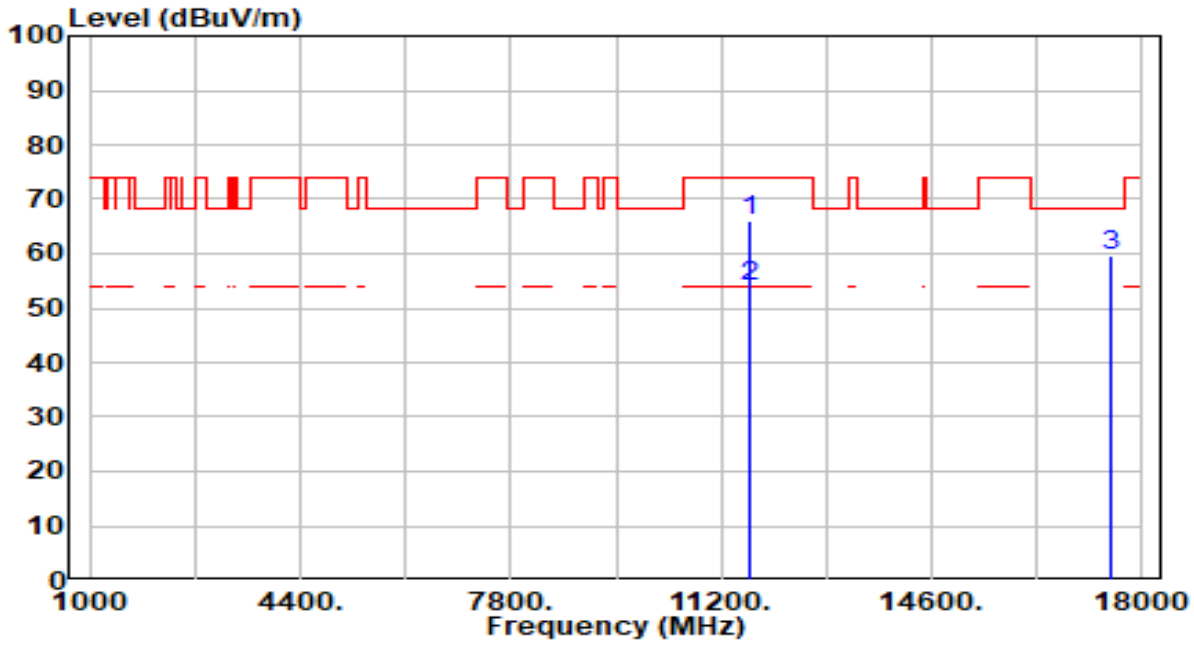


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11650.000	55.80	5.86	61.66	-12.35	74.00	119	152	Peak
2	*	11650.000	42.66	5.86	48.52	-5.49	54.00	119	152	Average
3		17475.000	47.45	5.44	52.88	-15.32	68.20	100	74	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

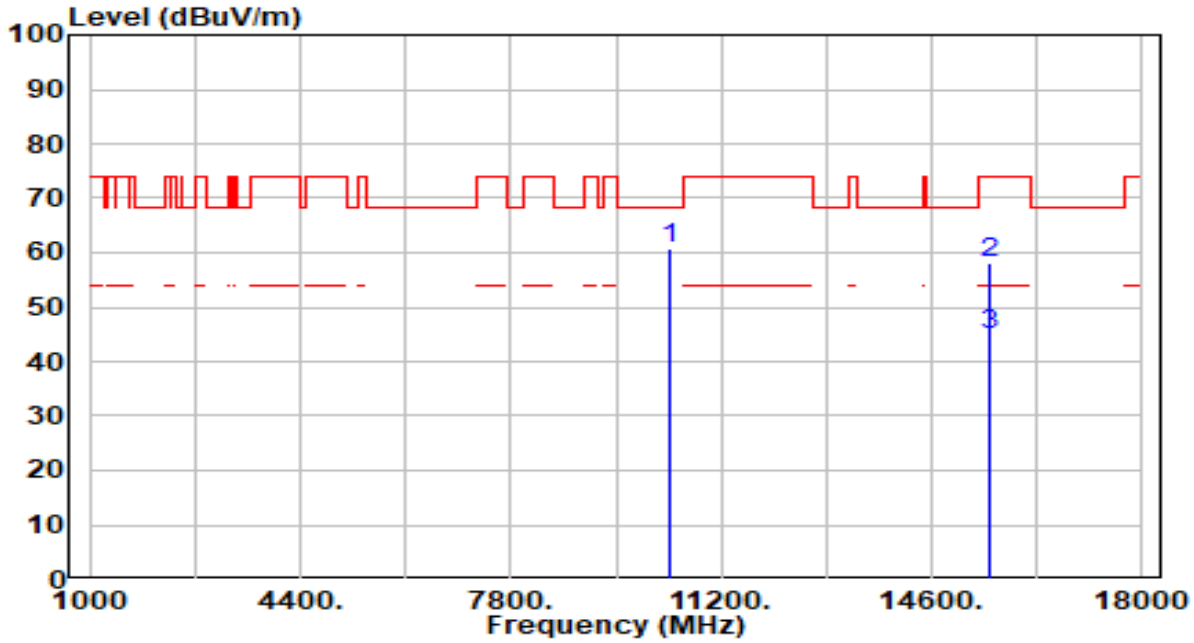


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11650.000	60.37	5.86	66.23	-7.78	74.00	102	156	Peak
2	*	11650.000	47.99	5.86	53.84	-0.16	54.00	102	156	Average
3		17475.000	54.26	5.44	59.69	-8.51	68.20	200	160	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).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. No3 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

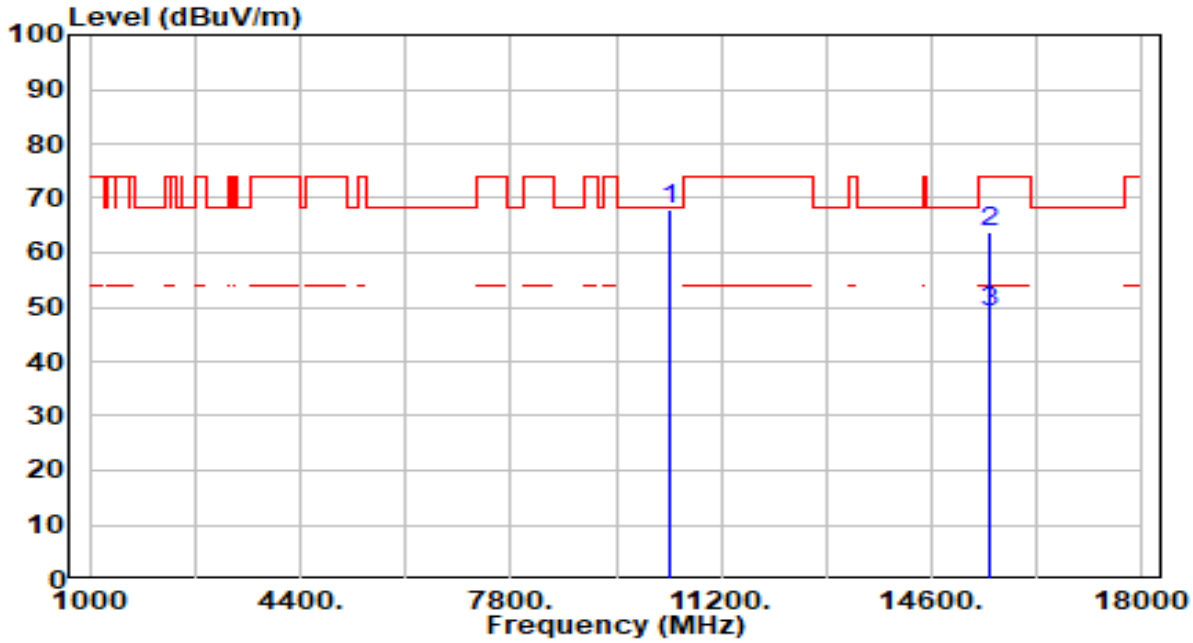


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	55.65	5.29	60.94	-7.26	68.20	300	212	Peak
2		15540.000	51.55	6.41	57.96	-16.04	74.00	100	230	Peak
3		15540.000	38.32	6.41	44.73	-9.27	54.00	100	230	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

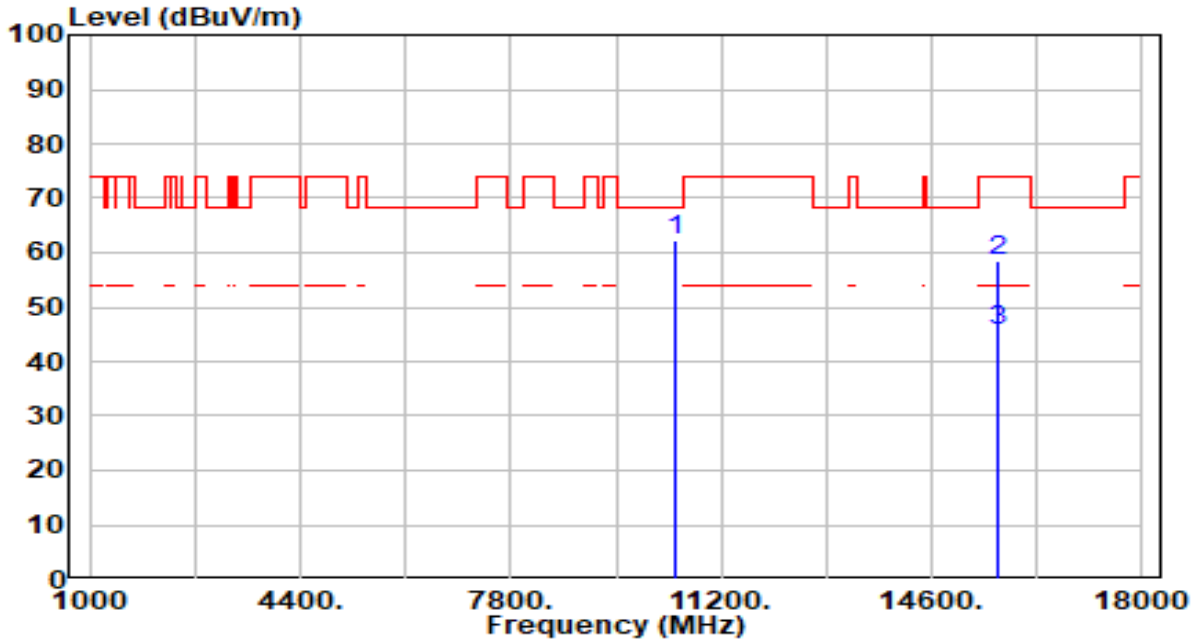


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	62.73	5.29	68.02	-0.18	68.20	119	202	Peak
2		15540.000	57.19	6.41	63.60	-10.40	74.00	100	183	Peak
3		15540.000	42.61	6.41	49.02	-4.98	54.00	100	183	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 44_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

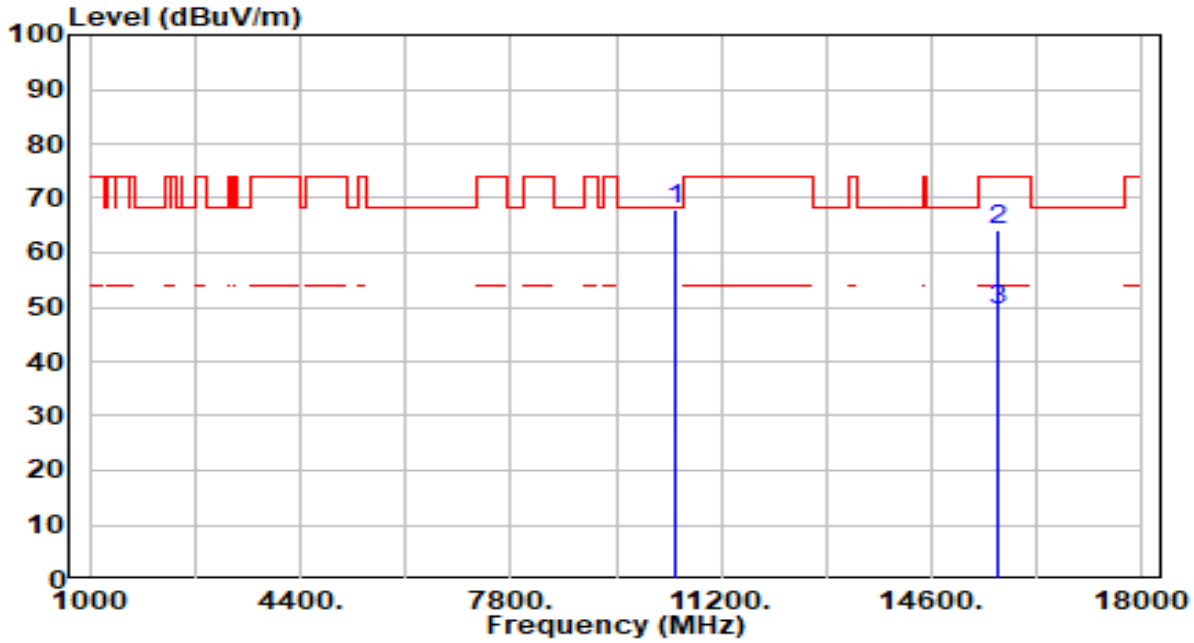


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	57.01	5.28	62.28	-5.92	68.20	300	285	Peak
2		15660.000	51.97	6.56	58.53	-15.47	74.00	100	231	Peak
3		15660.000	39.00	6.56	45.56	-8.44	54.00	100	231	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 44_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

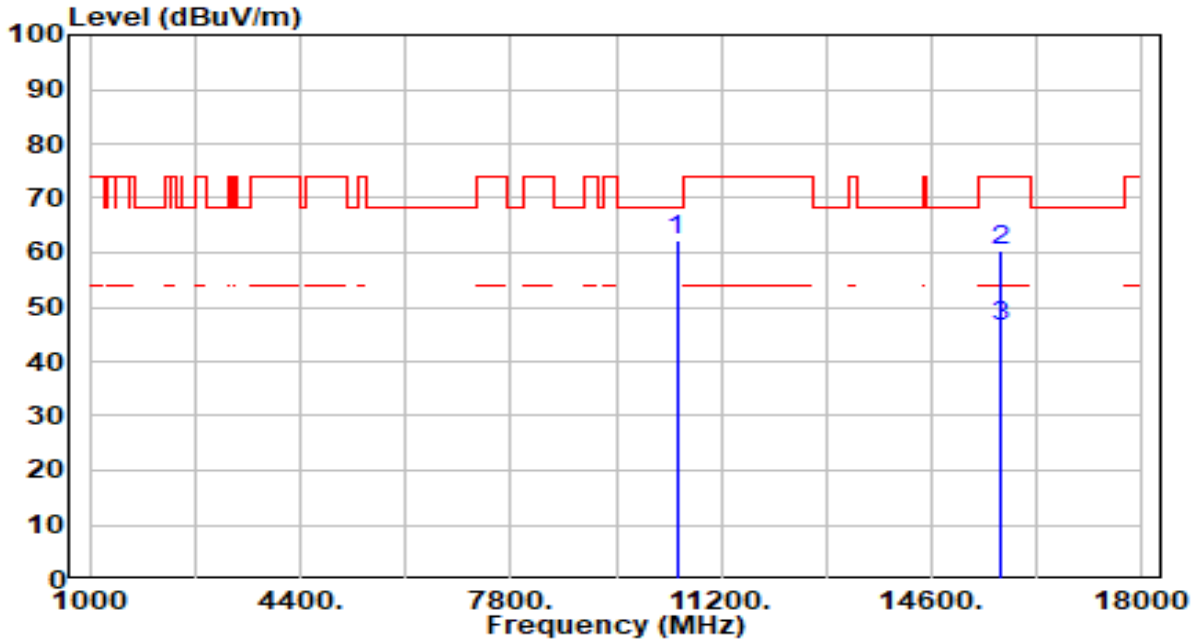


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	62.78	5.28	68.06	-0.14	68.20	106	43	Peak
2		15660.000	57.49	6.56	64.05	-9.95	74.00	100	176	Peak
3		15660.000	42.89	6.56	49.45	-4.55	54.00	100	176	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 48_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

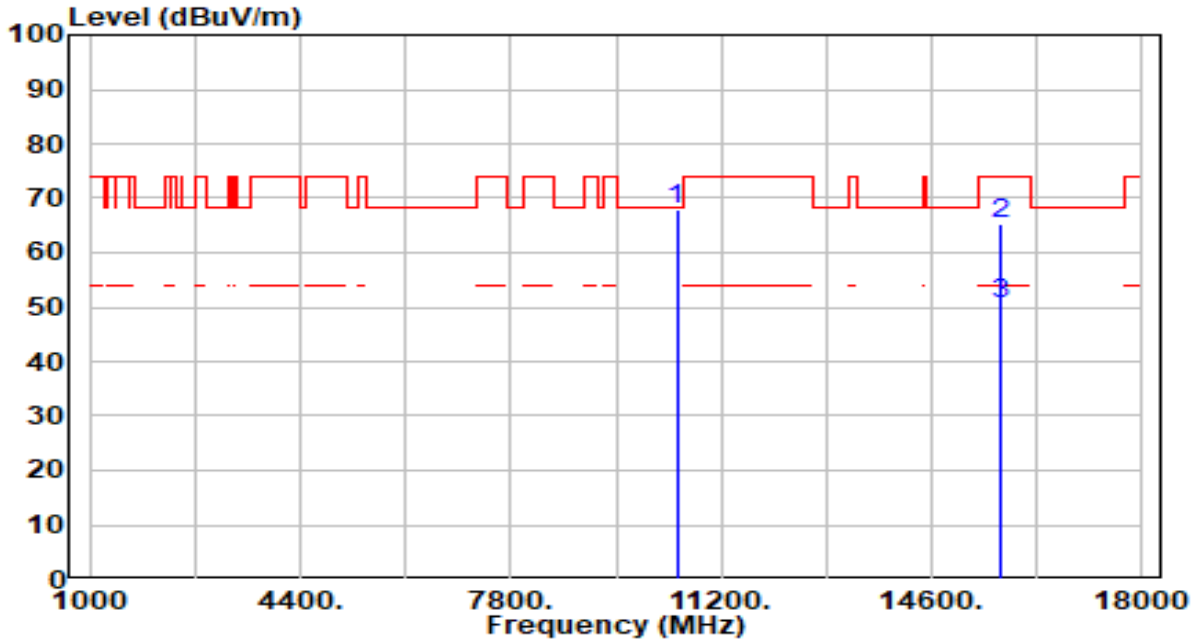


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	57.13	5.26	62.39	-5.81	68.20	300	283	Peak
2		15720.000	53.77	6.69	60.46	-13.54	74.00	100	228	Peak
3		15720.000	39.72	6.69	46.41	-7.59	54.00	100	228	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 48_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

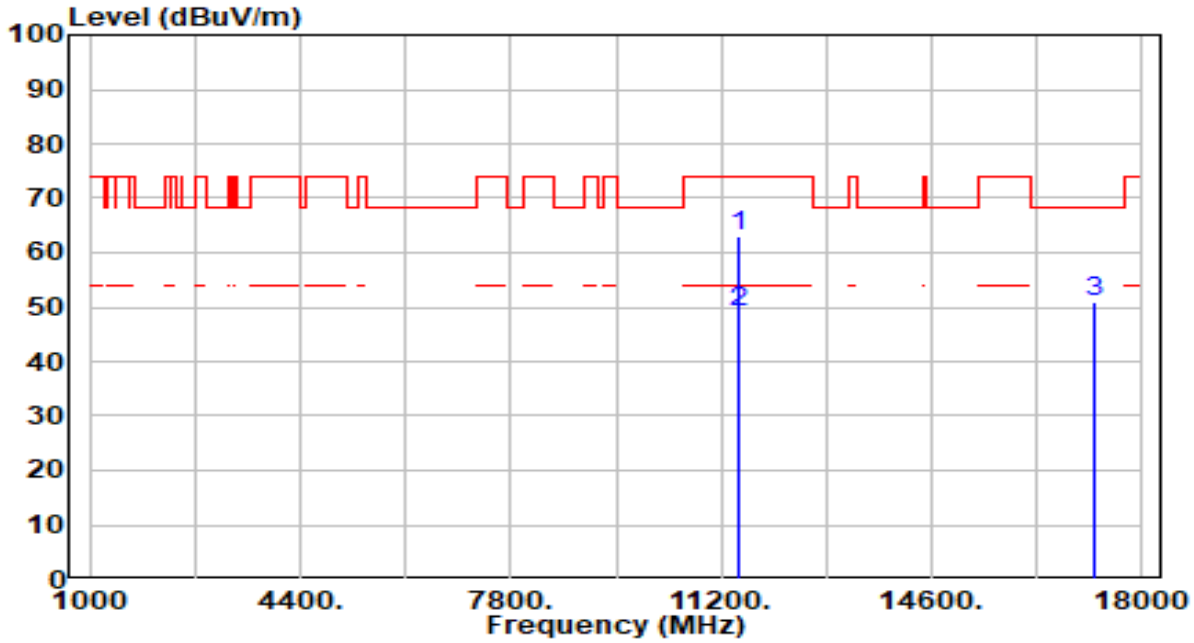


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	62.84	5.26	68.10	-0.10	68.20	108	44	Peak
2		15720.000	58.46	6.69	65.15	-8.85	74.00	100	72	Peak
3		15720.000	43.70	6.69	50.39	-3.61	54.00	100	72	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

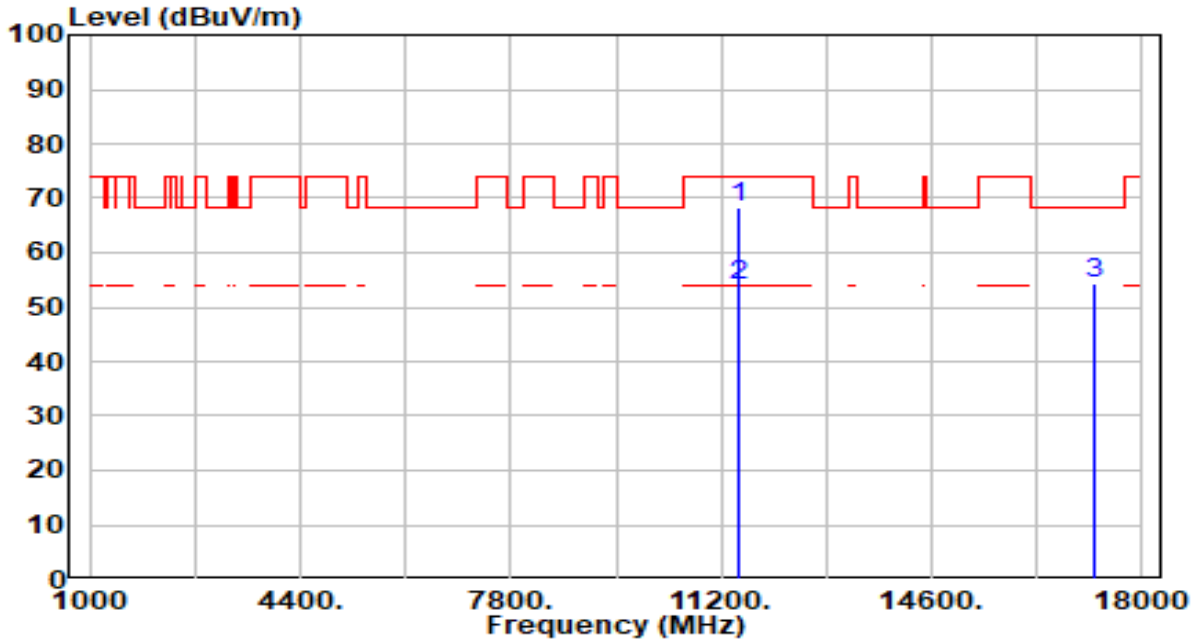


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11490.000	57.21	5.94	63.15	-10.85	74.00	106	58	Peak
2	*	11490.000	43.12	5.94	49.06	-4.94	54.00	106	58	Average
3		17235.000	45.27	5.78	51.05	-17.15	68.20	100	58	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

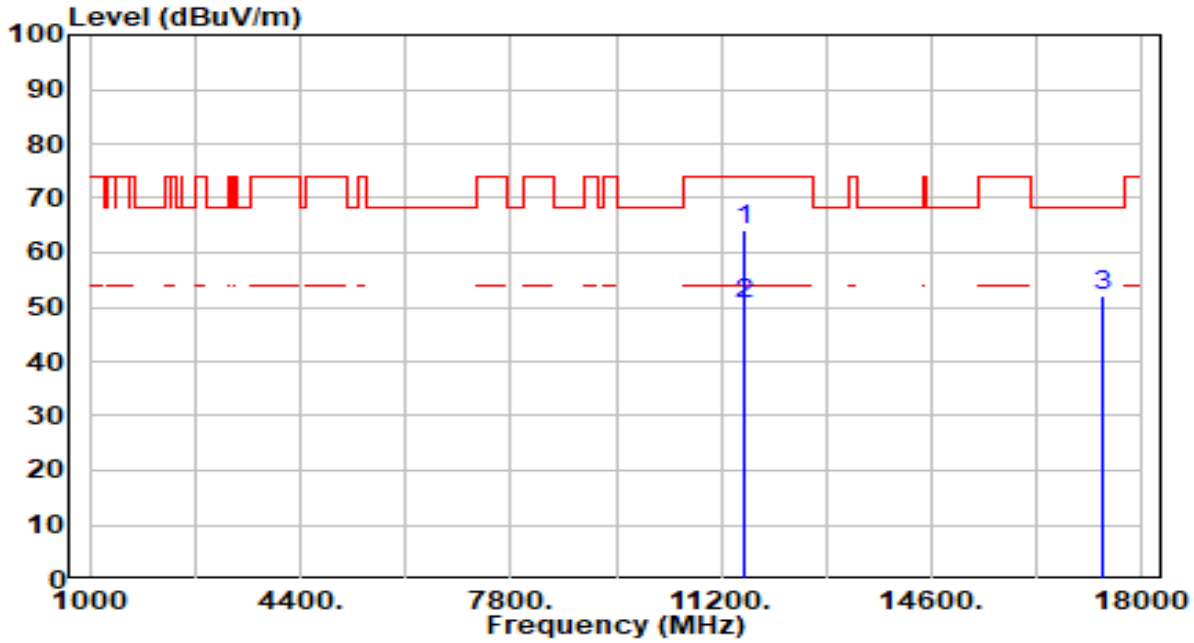


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11490.000	62.27	5.94	68.21	-5.79	74.00	100	47	Peak
2	*	11490.000	47.92	5.94	53.86	-0.14	54.00	100	47	Average
3		17235.000	48.66	5.78	54.45	-13.75	68.20	100	173	Peak

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. No3 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 157_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

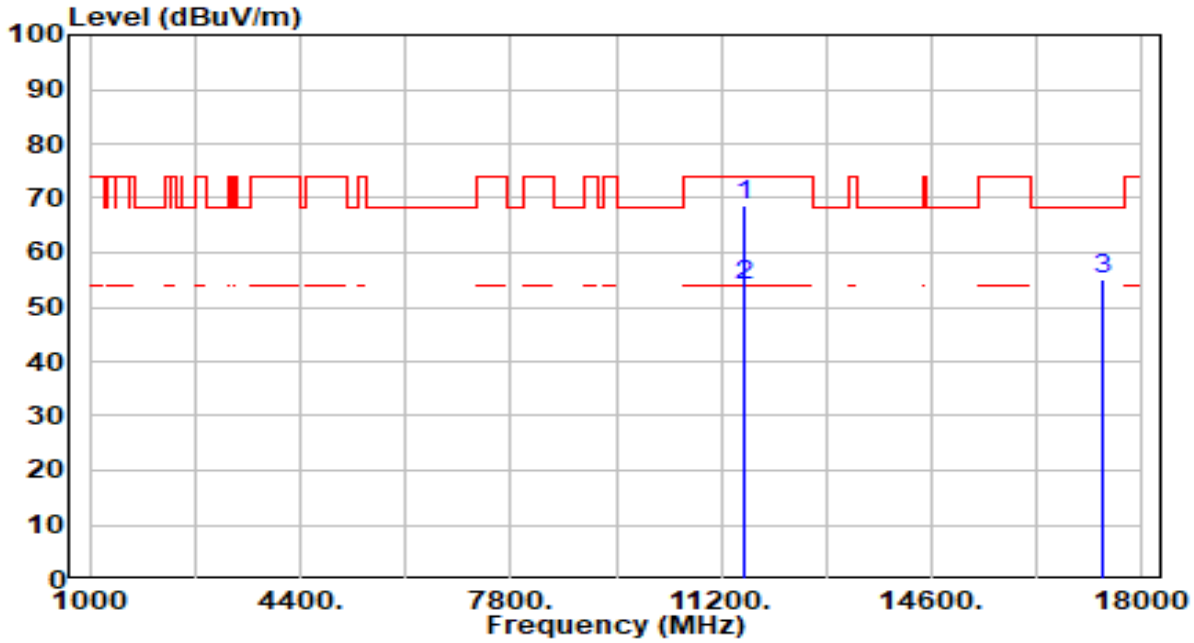


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11570.000	58.19	5.91	64.10	-9.90	74.00	100	82	Peak
2	*	11570.000	44.53	5.91	50.44	-3.56	54.00	100	82	Average
3		17355.000	46.54	5.54	52.08	-16.12	68.20	300	151	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 157_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

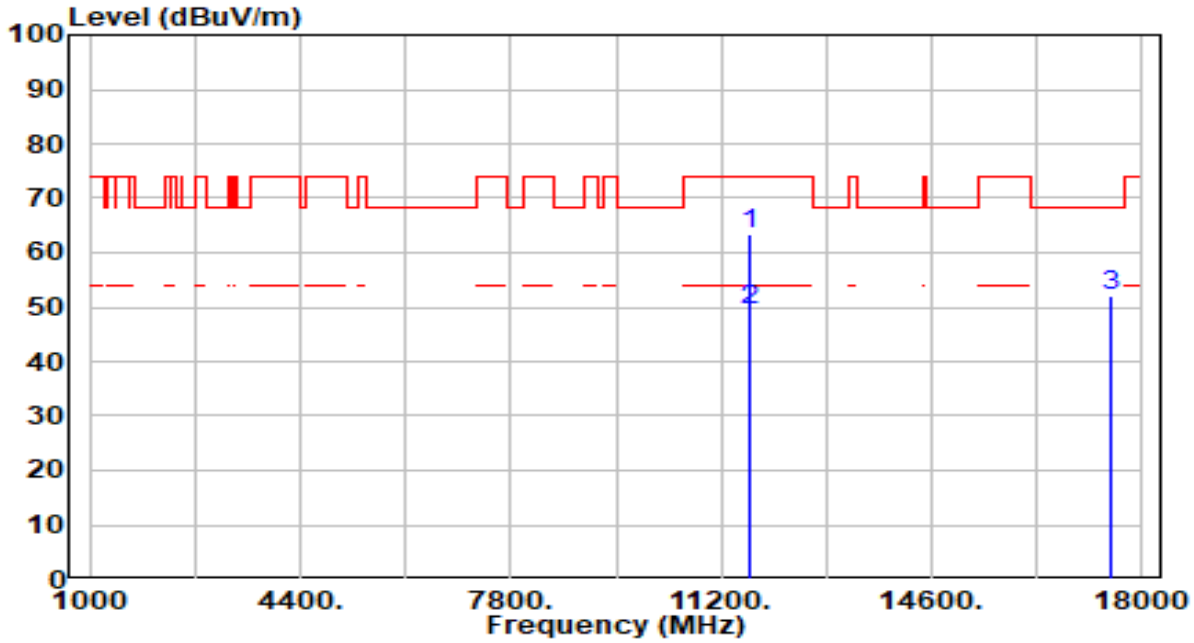


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11570.000	62.77	5.91	68.68	-5.32	74.00	100	152	Peak
2	*	11570.000	47.90	5.91	53.81	-0.19	54.00	100	152	Average
3		17355.000	49.59	5.54	55.12	-13.08	68.20	100	81	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. No3 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

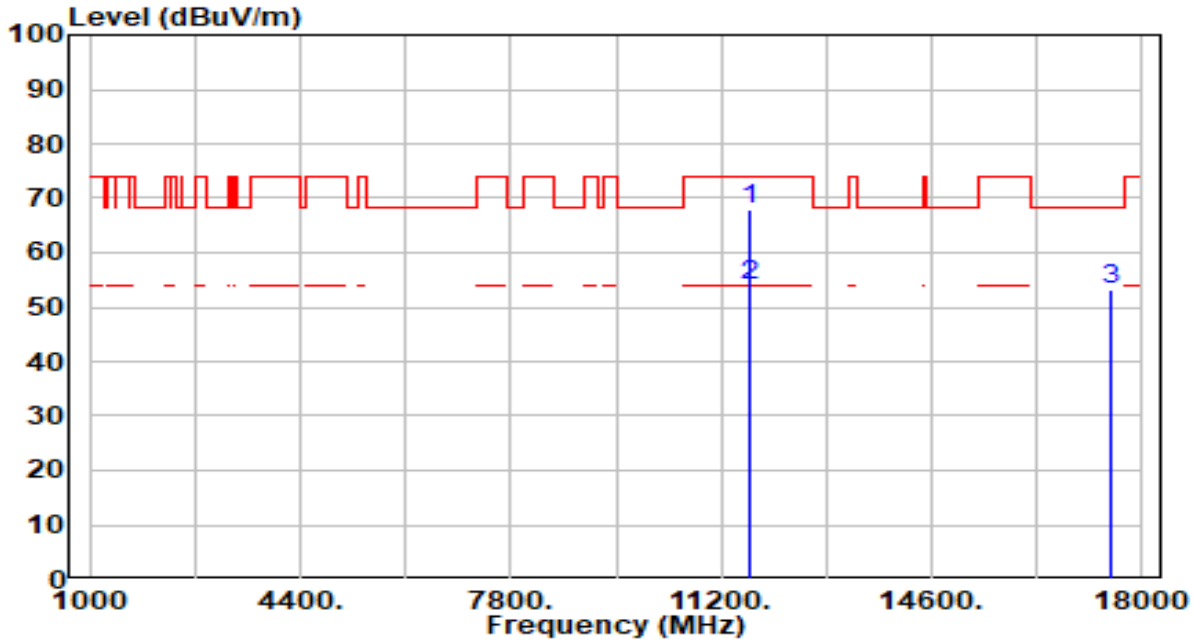


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11650.000	57.61	5.86	63.47	-10.54	74.00	116	119	Peak
2	*	11650.000	43.75	5.86	49.61	-4.40	54.00	116	119	Average
3		17475.000	46.59	5.44	52.03	-16.17	68.20	100	73	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

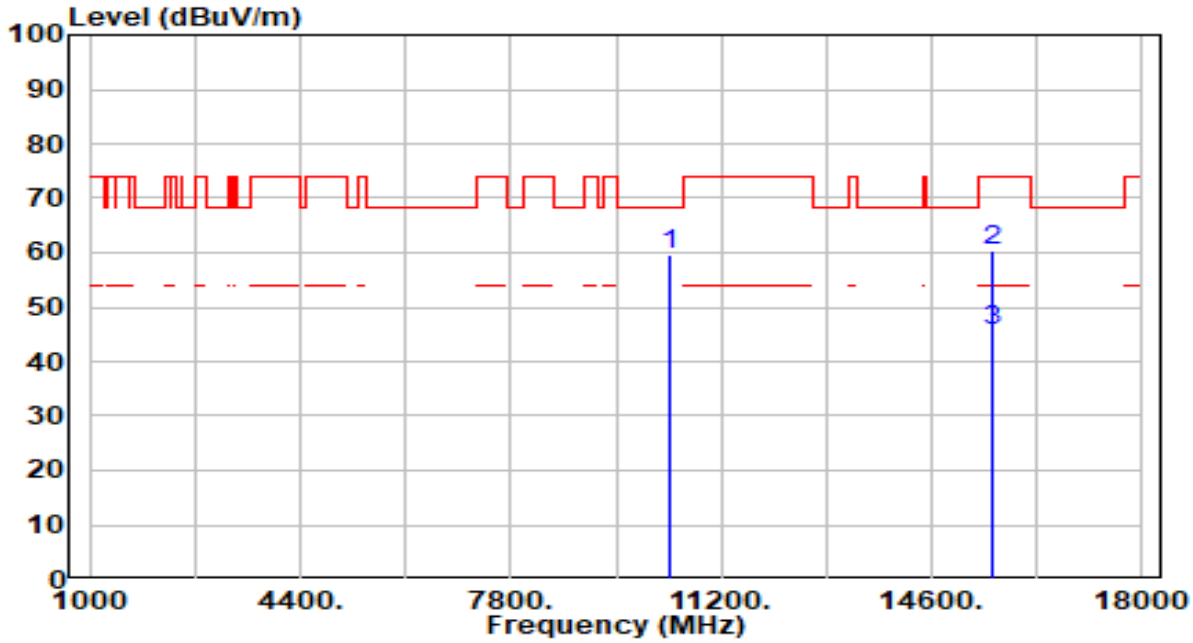


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11650.000	61.91	5.86	67.77	-6.24	74.00	100	156	Peak
2	*	11650.000	47.96	5.86	53.81	-0.19	54.00	100	156	Average
3		17475.000	47.61	5.44	53.05	-15.15	68.20	100	269	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 38_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

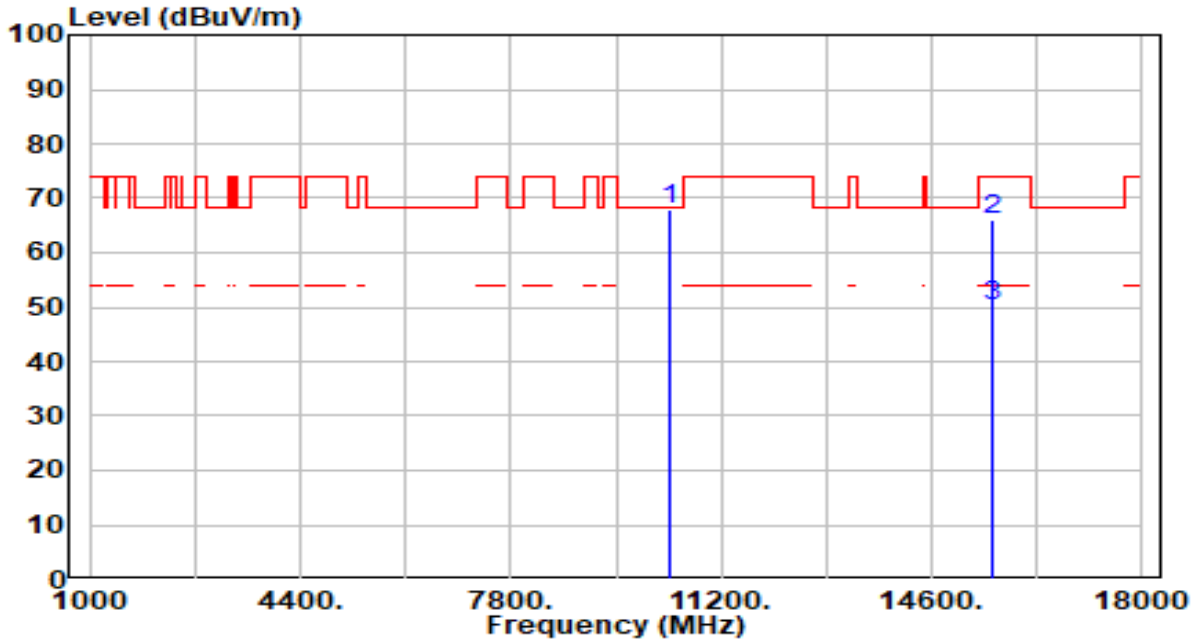


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10380.000	54.38	5.30	59.68	-8.52	68.20	300	213	Peak
2	*	15570.000	54.12	6.41	60.53	-13.47	74.00	100	77	Peak
3	*	15570.000	39.16	6.41	45.57	-8.43	54.00	100	77	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 38_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

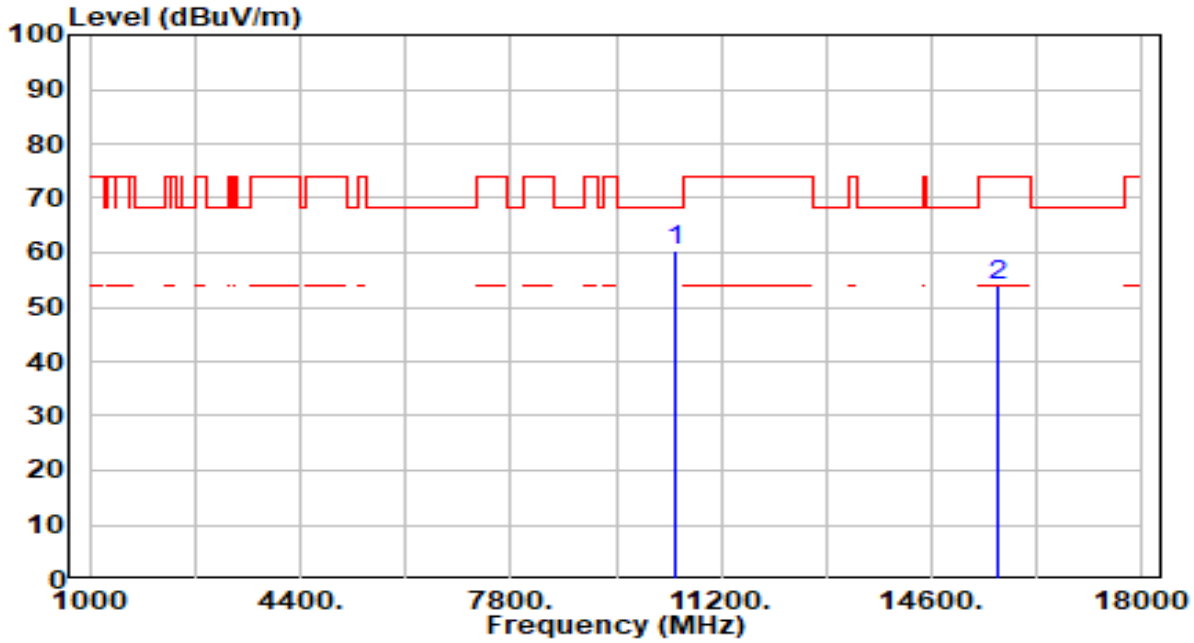


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10380.000	62.73	5.30	68.03	-0.17	68.20	106	308	Peak
2		15570.000	59.60	6.41	66.01	-7.99	74.00	100	73	Peak
3		15570.000	43.82	6.41	50.23	-3.77	54.00	100	73	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 46_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

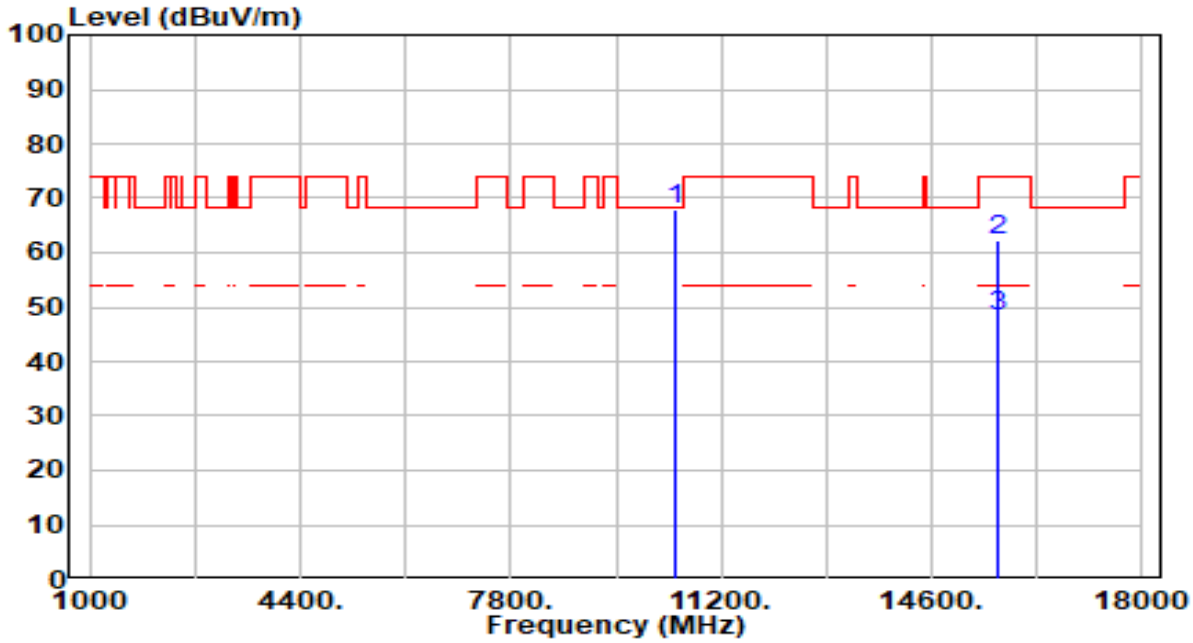


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10460.000	55.26	5.27	60.53	-7.67	68.20	300	280	Peak
2		15690.000	47.21	6.63	53.83	-20.17	74.00	100	228	Peak

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 46_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

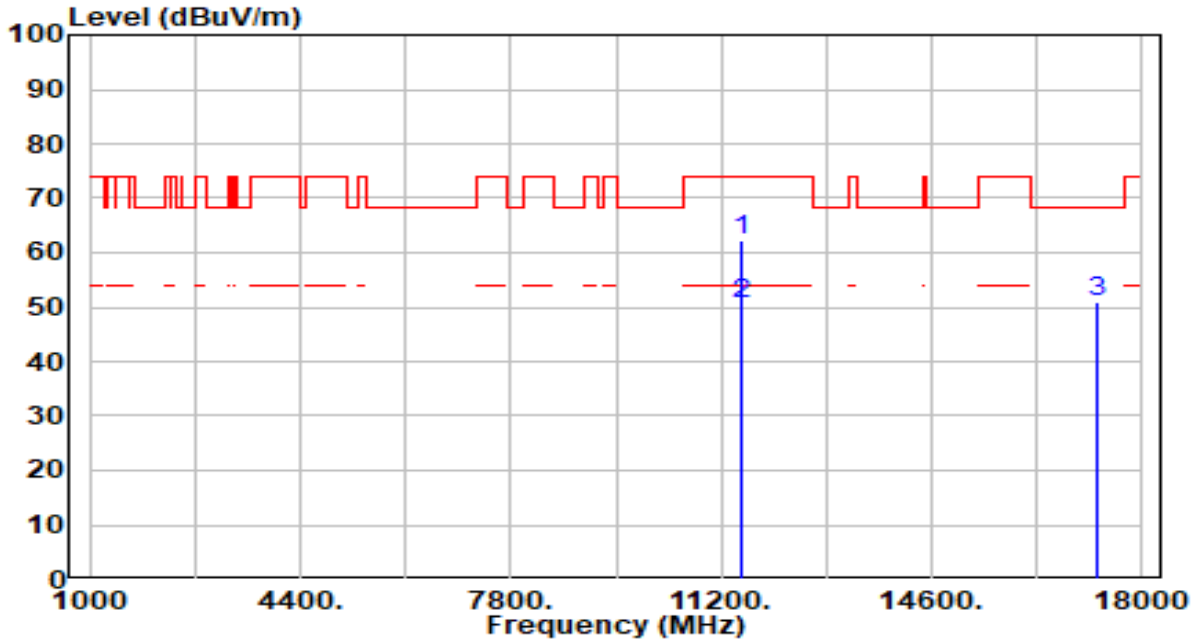


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10460.000	62.74	5.27	68.01	-0.19	68.20	100	48	Peak
2		15690.000	55.69	6.63	62.32	-11.68	74.00	112	73	Peak
3		15690.000	41.50	6.63	48.13	-5.87	54.00	112	73	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 151_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

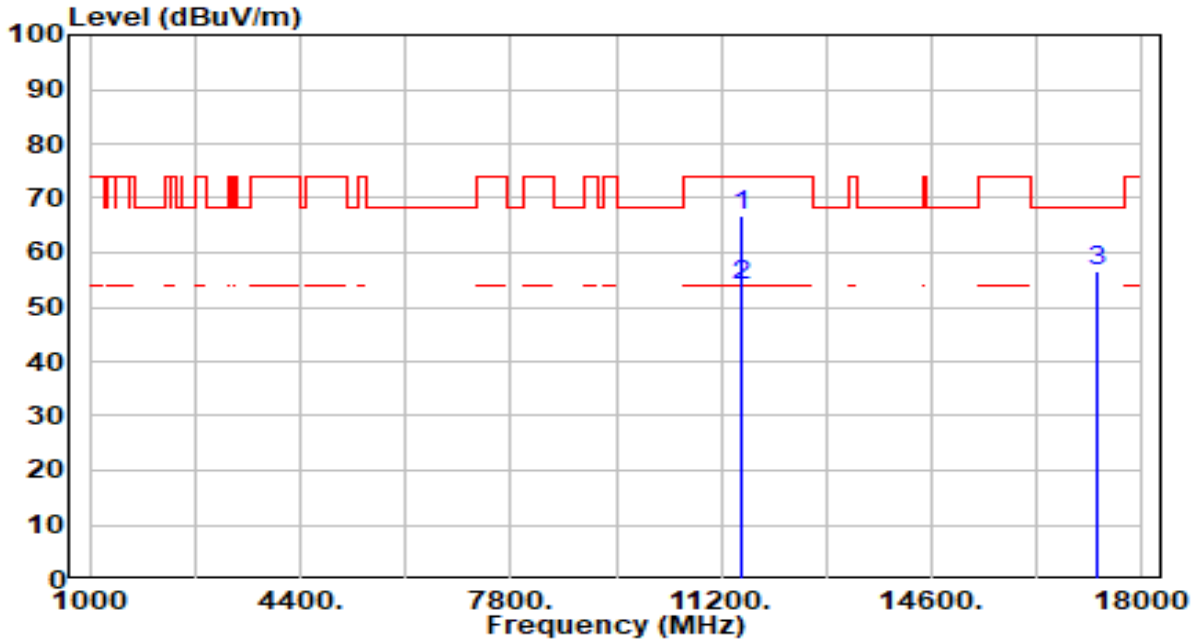


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11510.000	56.41	5.94	62.35	-11.65	74.00	111	57	Peak
2	*	11510.000	44.59	5.94	50.53	-3.47	54.00	111	57	Average
3		17265.000	45.06	5.72	50.79	-17.41	68.20	300	264	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 151_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

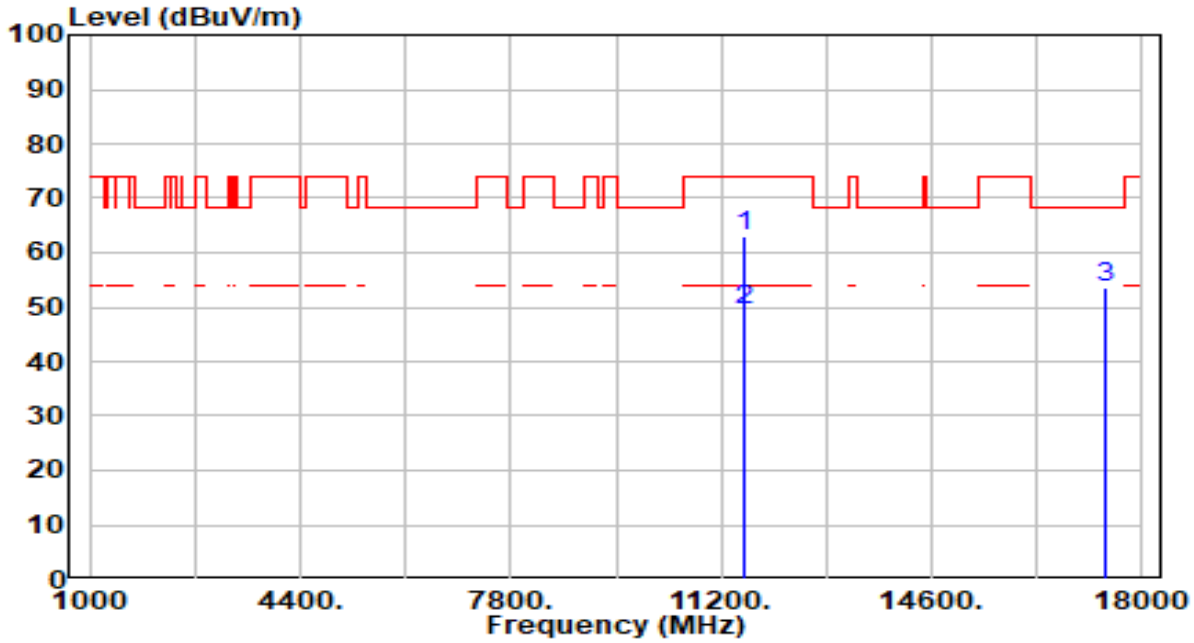


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11510.000	60.93	5.94	66.87	-7.13	74.00	102	157	Peak
2	*	11510.000	47.88	5.94	53.82	-0.18	54.00	102	157	Average
3		17265.000	50.82	5.72	56.55	-11.65	68.20	100	199	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. No3 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 159_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

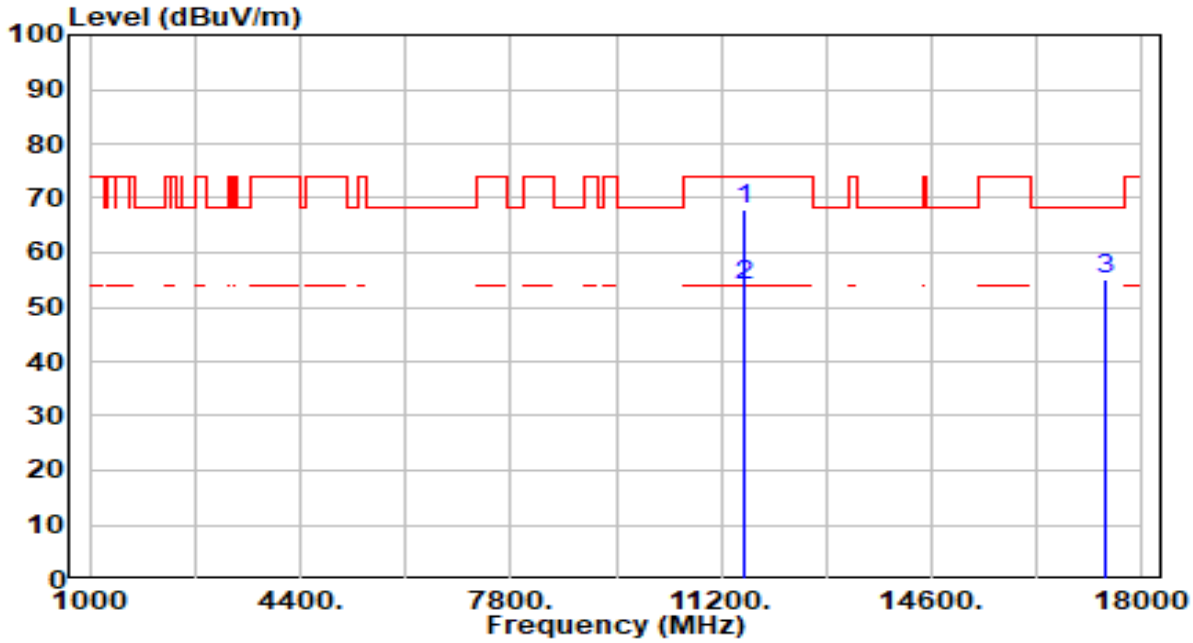


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11590.000	57.22	5.90	63.12	-10.88	74.00	121	118	Peak
2	*	11590.000	43.42	5.90	49.32	-4.68	54.00	121	118	Average
3		17385.000	48.27	5.47	53.74	-14.46	68.20	300	133	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 159_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

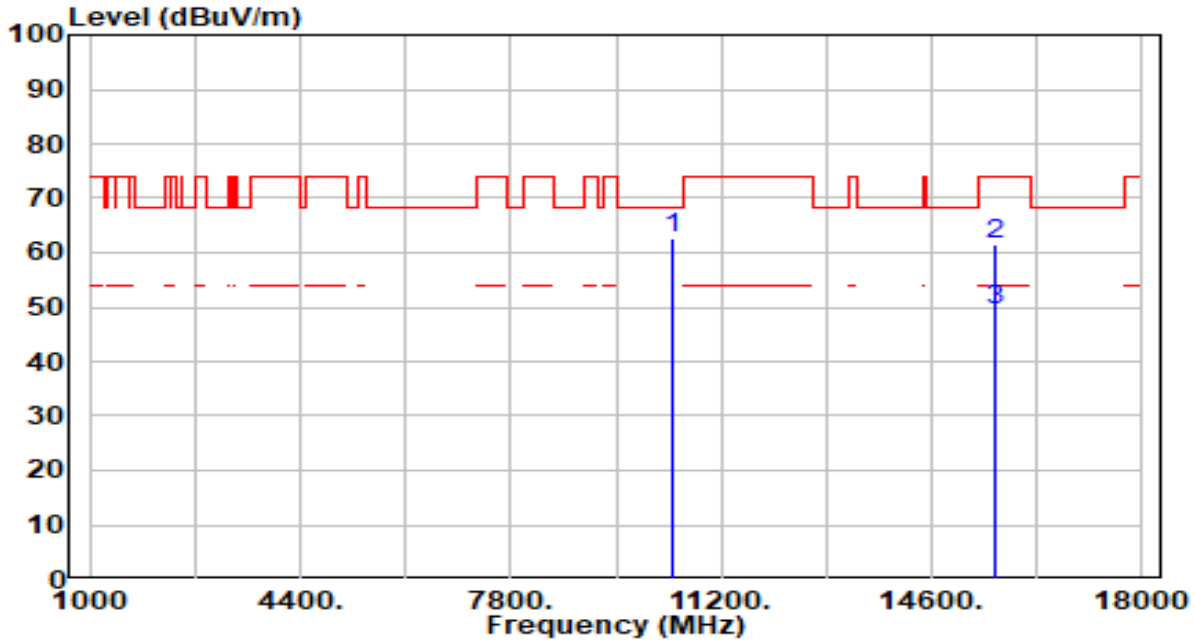


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11590.000	61.92	5.90	67.82	-6.18	74.00	100	155	Peak
2	*	11590.000	47.99	5.90	53.89	-0.11	54.00	100	155	Average
3		17385.000	49.61	5.47	55.09	-13.11	68.20	100	332	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. No3 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band1_TX_CH 42_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

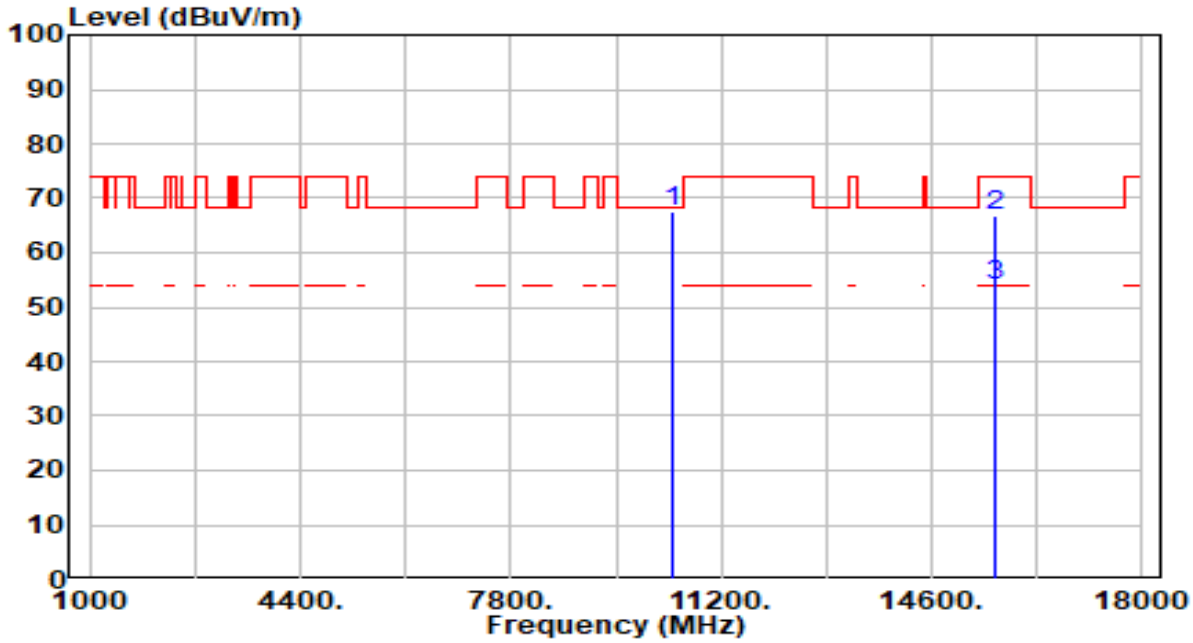


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10420.000	57.36	5.29	62.65	-5.55	68.20	300	186	Peak
2	*	15630.000	55.20	6.49	61.69	-12.31	74.00	111	228	Peak
3	*	15630.000	43.01	6.49	49.50	-4.50	54.00	111	228	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band1_TX_CH 42_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

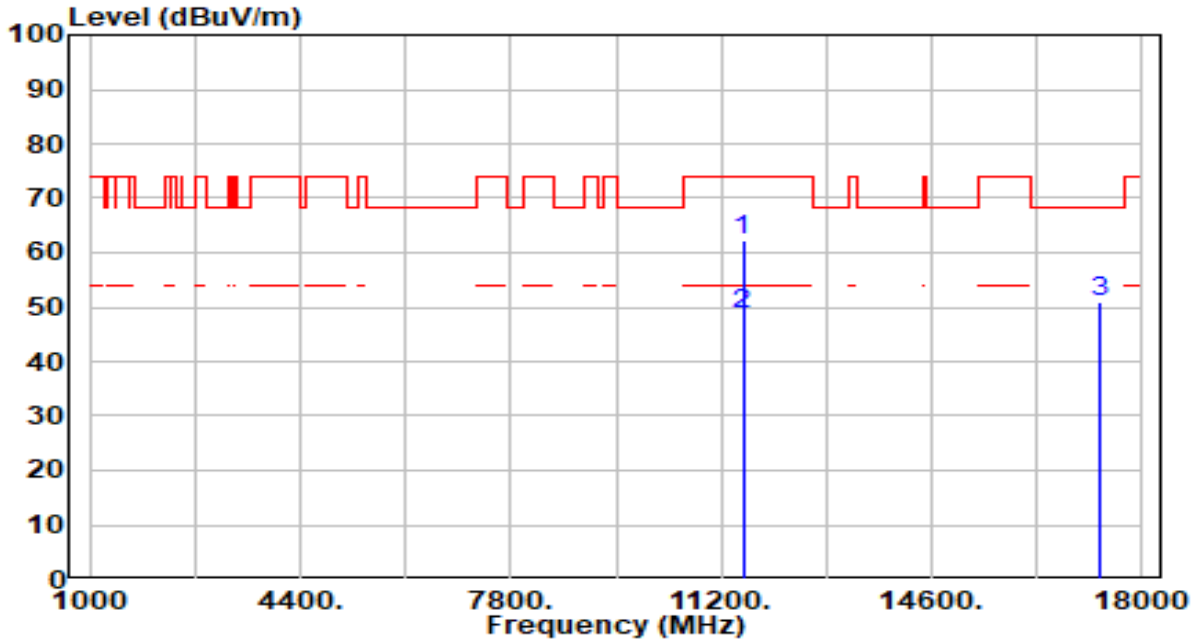


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10420.000	62.29	5.29	67.58	-0.62	68.20	100	45	Peak
2	*	15630.000	60.17	6.49	66.66	-7.34	74.00	100	72	Peak
3	*	15630.000	47.35	6.49	53.84	-0.16	54.00	100	72	Average

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. No1 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band4_TX_CH 155_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

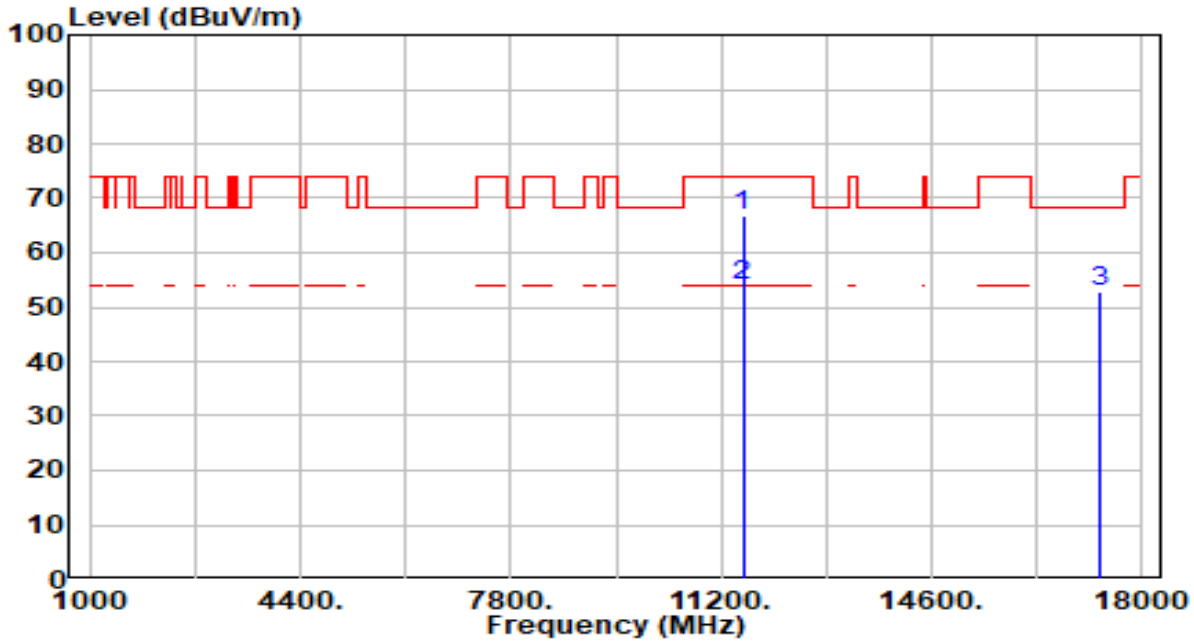


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11550.000	56.52	5.92	62.44	-11.56	74.00	100	84	Peak
2	*	11550.000	42.77	5.92	48.69	-5.31	54.00	100	84	Average
3		17325.000	45.23	5.60	50.82	-17.38	68.20	100	72	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band4_TX_CH 155_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

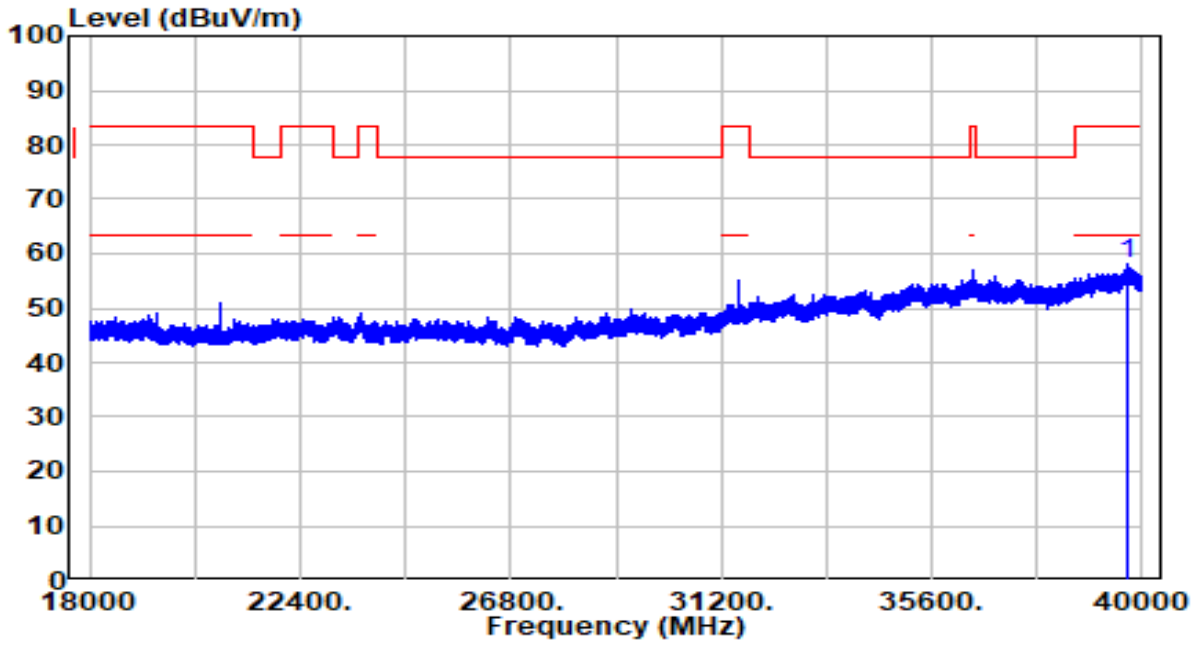


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11550.000	60.81	5.92	66.73	-7.27	74.00	100	159	Peak
2	*	11550.000	47.98	5.92	53.90	-0.10	54.00	100	159	Average
3		17325.000	47.39	5.60	52.99	-15.21	68.20	100	241	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-11-28
Factor	BBHA 9170	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20_TX_Band1_CH 44_ANT 0+1	Test Voltage	AC 120V/ 60Hz

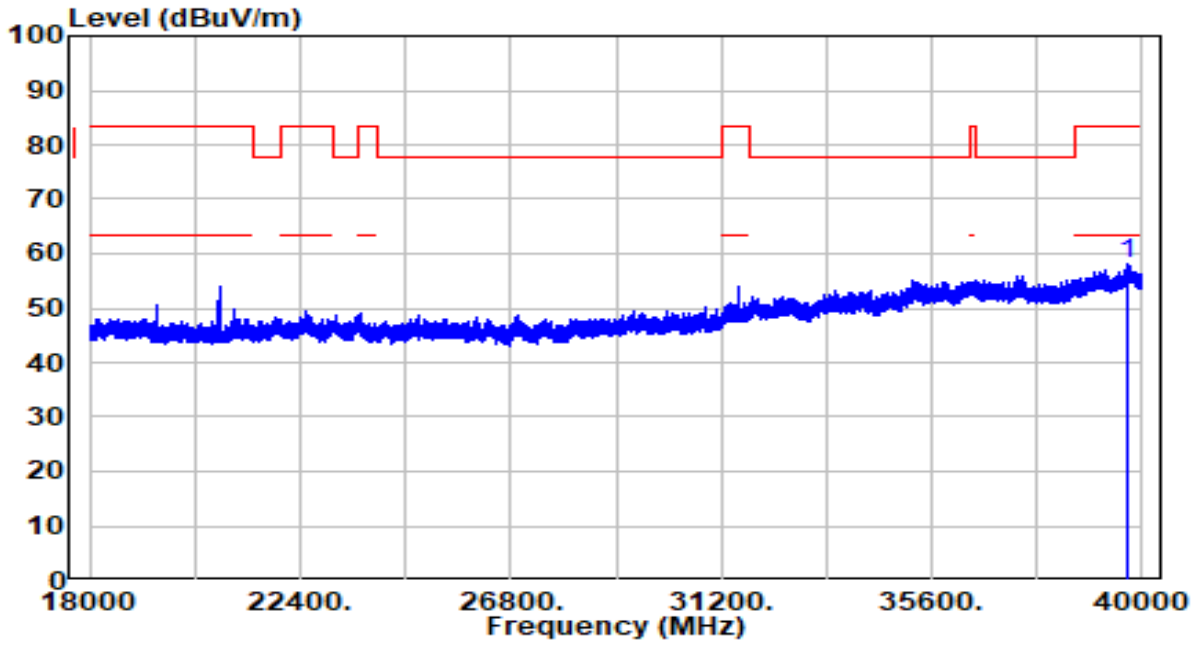


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	39703.690	34.11	23.98	58.09	-25.41	83.50	150	360	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-11-28
Factor	BBHA 9170	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20_TX_Band1_CH 44_ANT 0+1	Test Voltage	AC 120V/ 60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	39685.810	34.07	23.96	58.03	-25.47	83.50	150	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.

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	8.025 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310 - 2390	15.35-16.2
8.362-8.366	156.52475-156.525	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 5.725-5.85 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.

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

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

7.8.2.Test Procedure Used

KDB 789033 D02v02r01- Section II) G

7.8.3.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

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

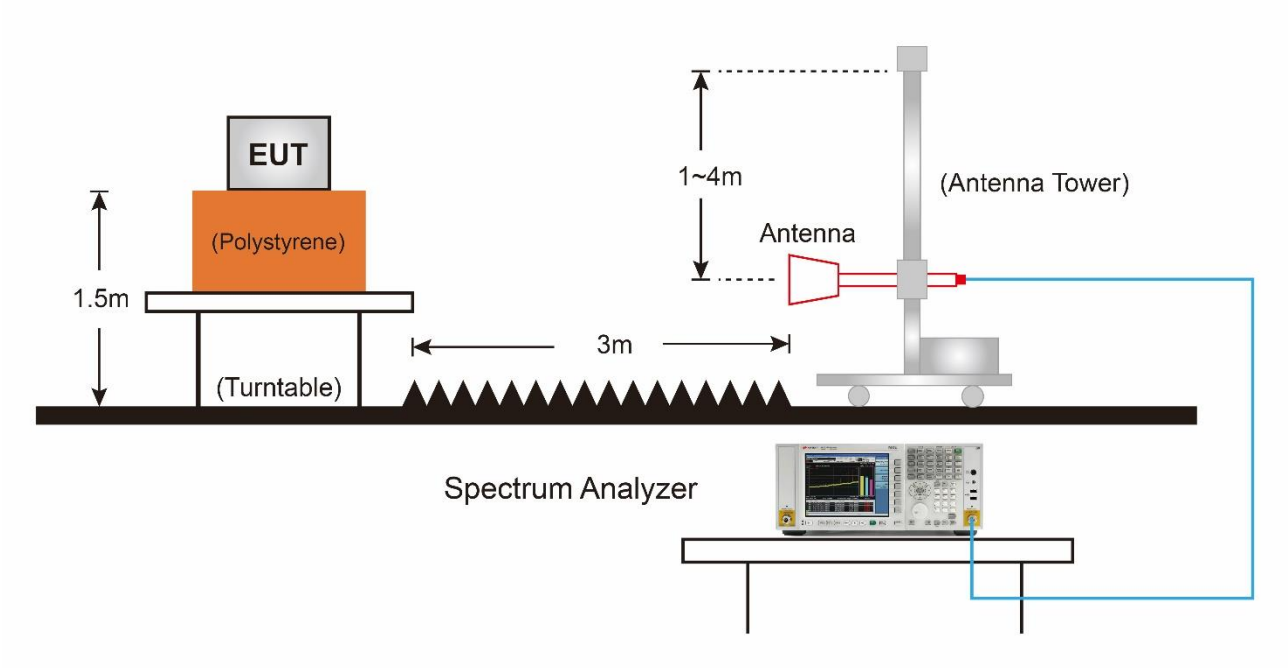
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW ≤ RBW/100 (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is < 98%, set VBW ≥ 1/T.

4. Detector = Peak

5. Sweep time = auto

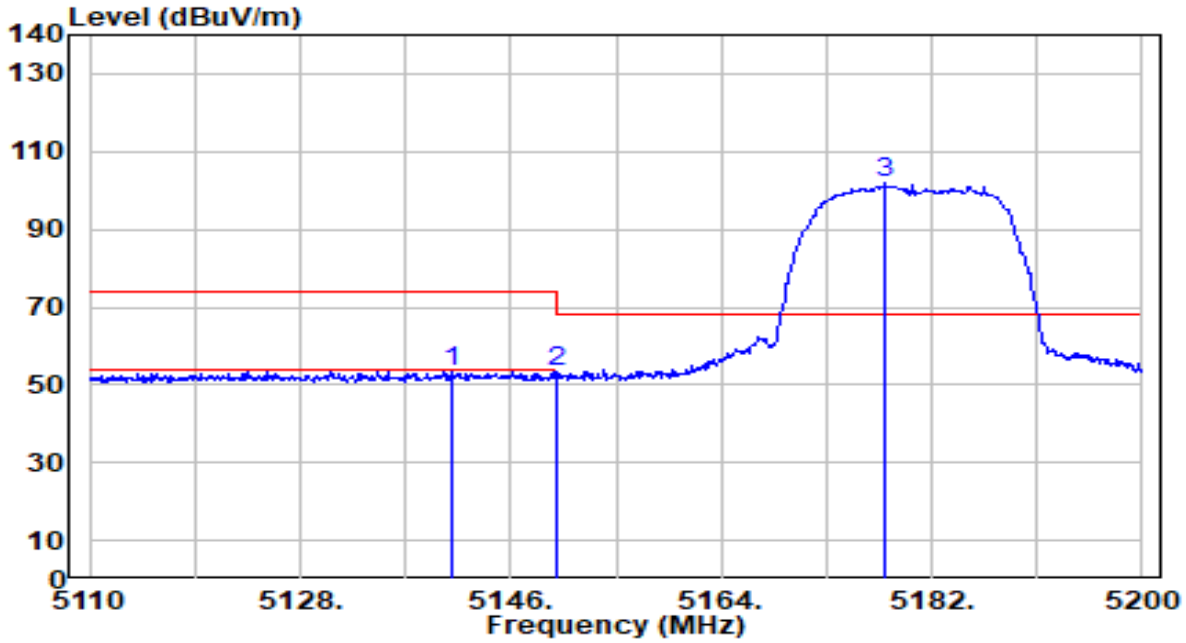
6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

7.8.4.Test Setup



7.8.5.Test Result

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

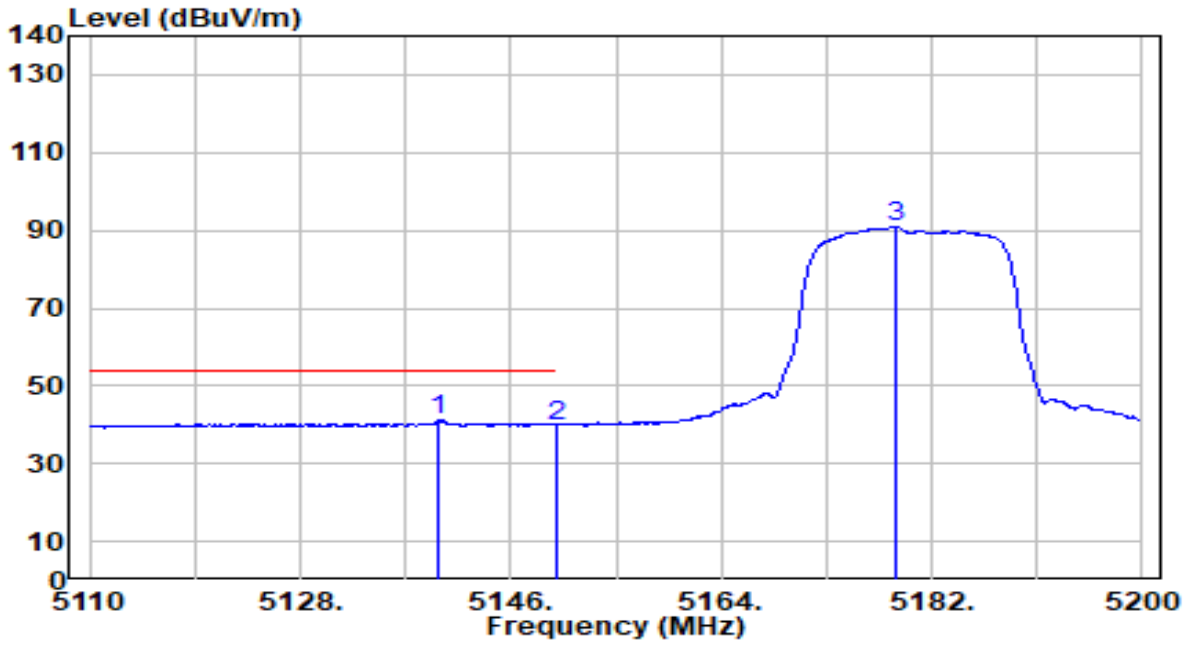


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5141.050	52.75	0.78	53.53	-20.47	74.00	335	273	Peak
2		5150.000	52.58	0.80	53.38	-20.62	74.00	335	273	Peak
3		5178.040	100.91	0.83	101.75	N/A	N/A	335	273	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

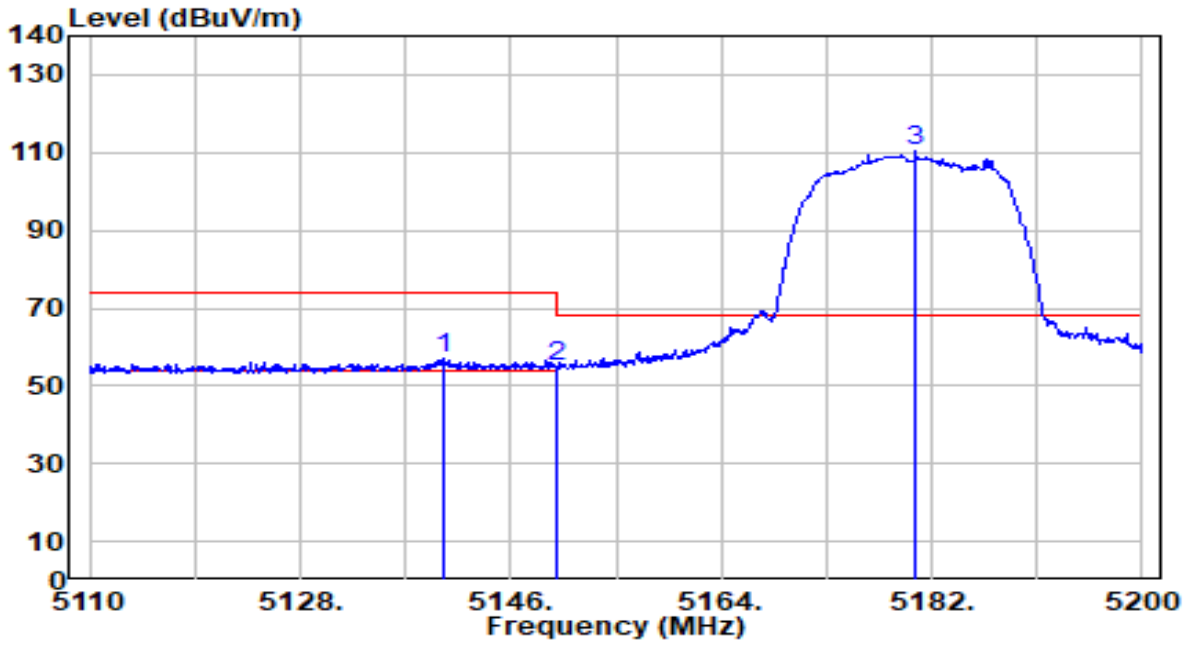


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5139.790	40.31	0.78	41.09	-12.91	54.00	335	273	Average
2		5150.000	39.08	0.80	39.88	-14.12	54.00	335	273	Average
3		5178.850	89.98	0.83	90.82	N/A	N/A	335	273	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

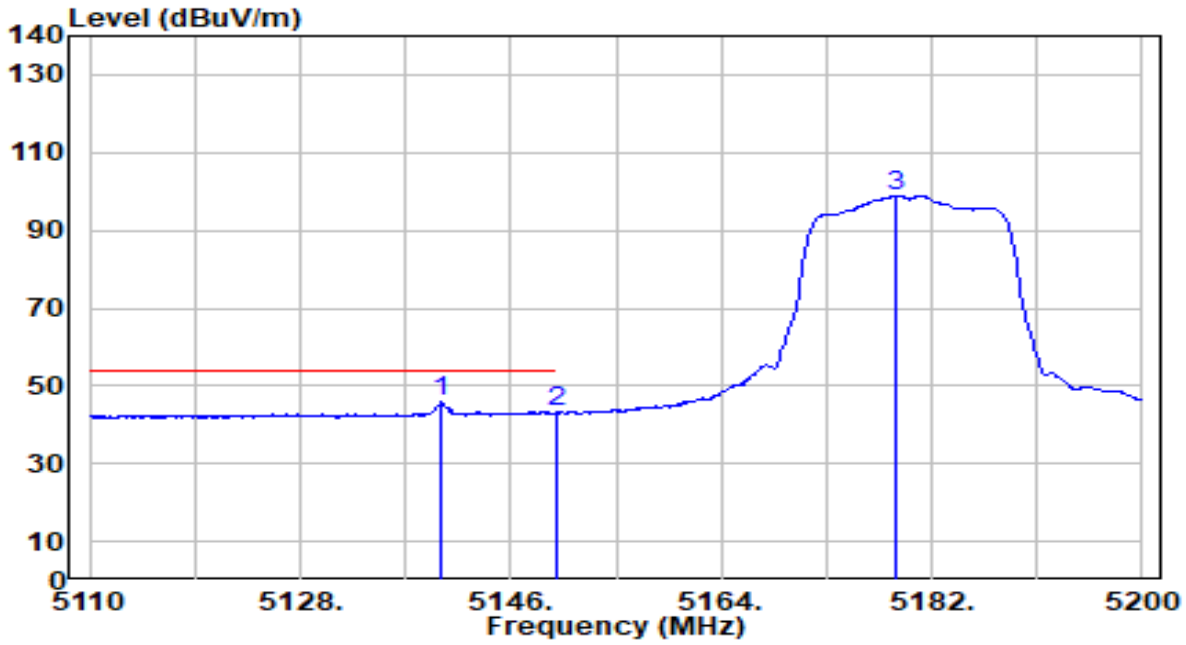


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5140.240	56.42	0.78	57.20	-16.80	74.00	130	19	Peak
2		5150.000	54.09	0.80	54.89	-19.11	74.00	130	19	Peak
3		5180.650	109.40	0.83	110.23	N/A	N/A	130	19	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

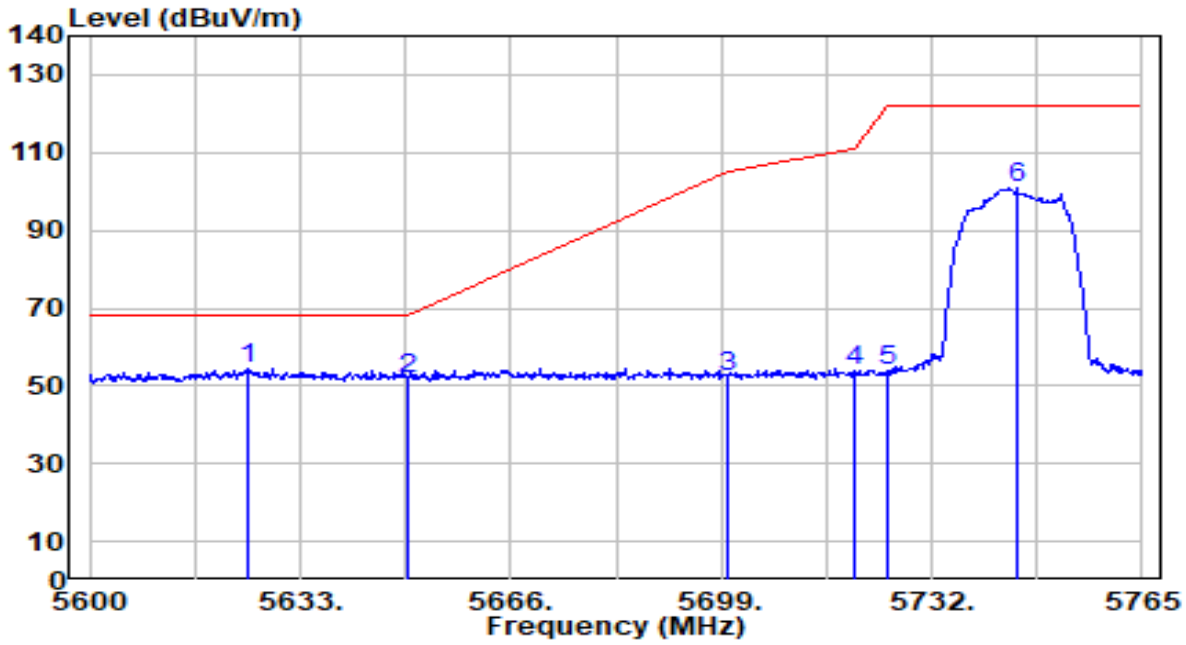


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5140.060	44.96	0.78	45.74	-8.26	54.00	130	19	Average
2		5150.000	42.41	0.80	43.21	-10.79	54.00	130	19	Average
3		5178.940	98.21	0.83	99.04	N/A	N/A	130	19	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

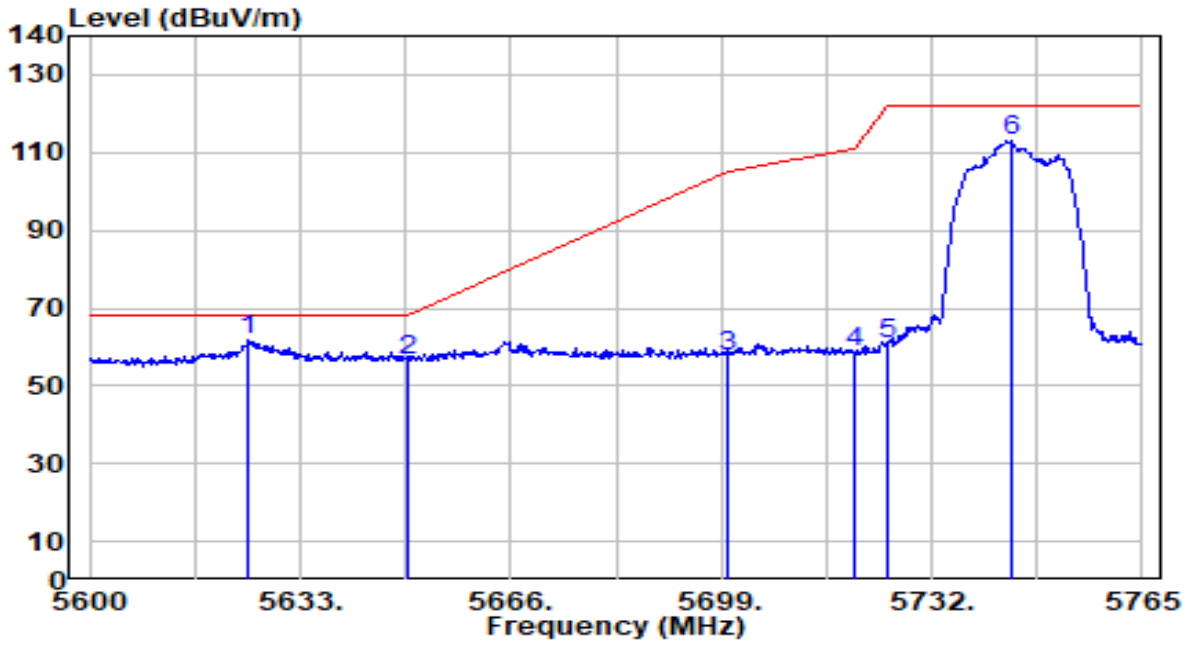


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5624.915	53.19	1.48	54.67	-13.53	68.20	304	264	Peak
2		5650.000	50.36	1.59	51.95	-16.25	68.20	304	264	Peak
3		5700.000	50.67	1.79	52.46	-52.75	105.20	304	264	Peak
4		5720.000	51.99	1.87	53.86	-56.94	110.80	304	264	Peak
5		5725.000	51.96	1.89	53.85	-68.35	122.20	304	264	Peak
6		5745.365	99.00	1.97	100.98	N/A	N/A	304	264	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

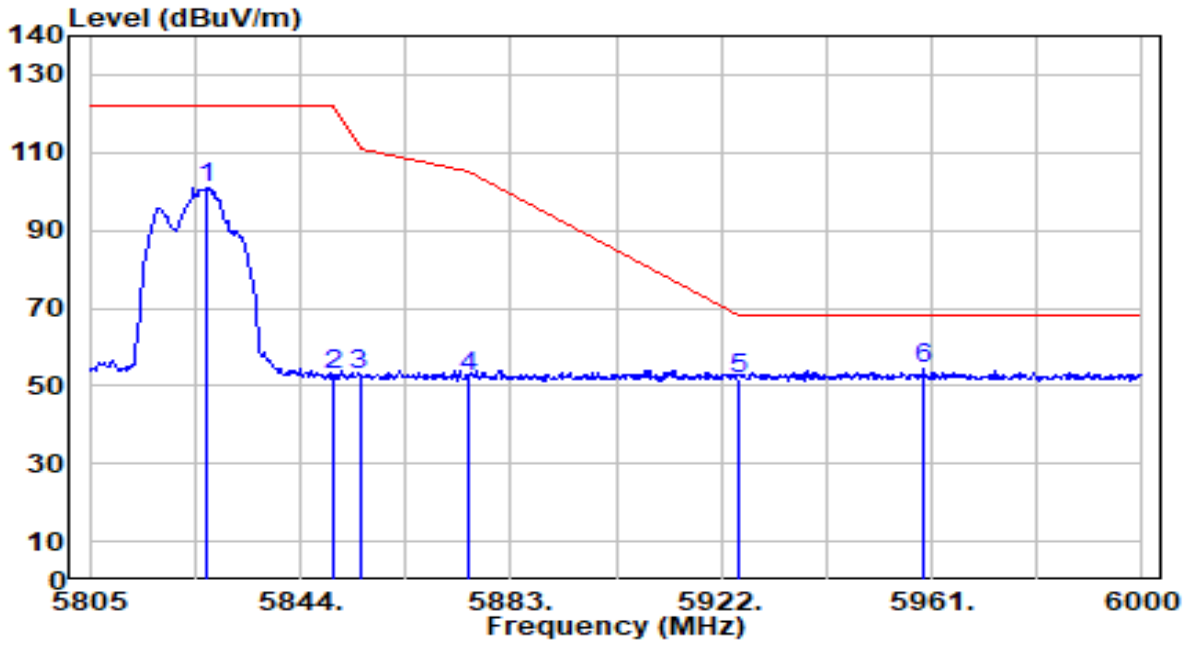


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5624.750	60.45	1.48	61.94	-6.26	68.20	189	106	Peak
2		5650.000	54.99	1.59	56.58	-11.62	68.20	189	106	Peak
3		5700.000	55.92	1.79	57.71	-47.49	105.20	189	106	Peak
4		5720.000	56.65	1.87	58.52	-52.28	110.80	189	106	Peak
5		5725.000	58.71	1.89	60.60	-61.60	122.20	189	106	Peak
6		5744.540	111.27	1.97	113.24	N/A	N/A	189	106	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

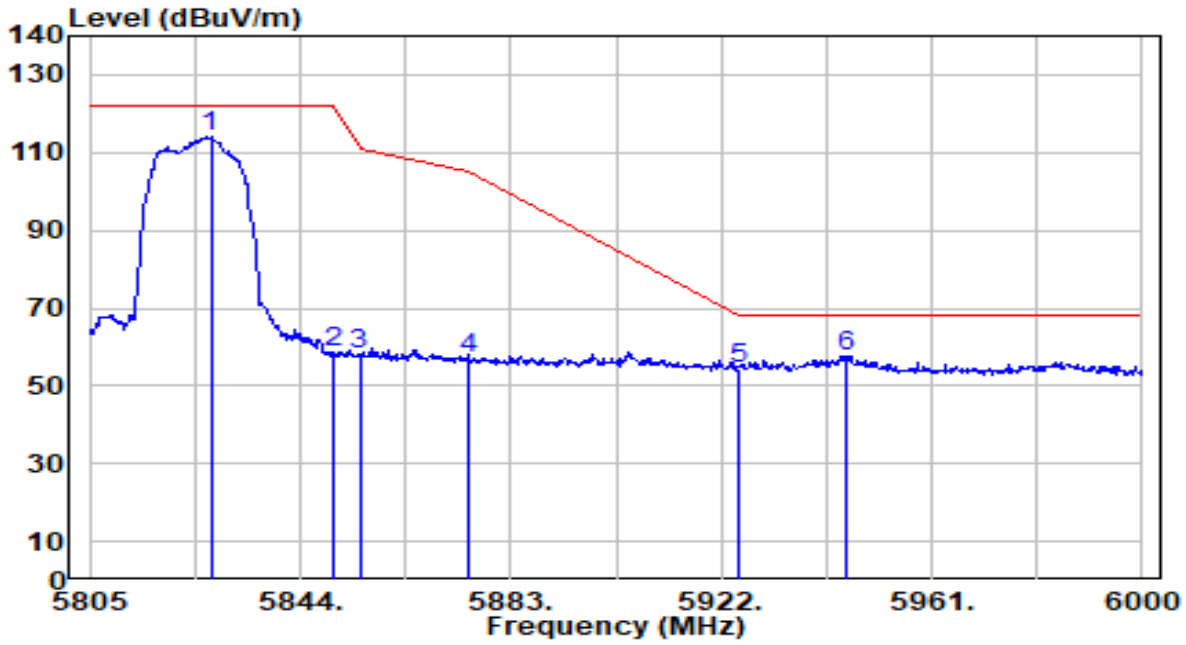


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5826.645	98.62	2.23	100.85	N/A	N/A	304	214	Peak
2		5850.000	50.48	2.27	52.75	-69.45	122.20	304	214	Peak
3		5855.000	50.54	2.28	52.81	-57.99	110.80	304	214	Peak
4		5875.000	50.18	2.31	52.49	-52.71	105.20	304	214	Peak
5		5925.000	49.40	2.38	51.78	-16.42	68.20	304	214	Peak
6	*	5959.635	52.08	2.44	54.51	-13.69	68.20	304	214	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11a_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

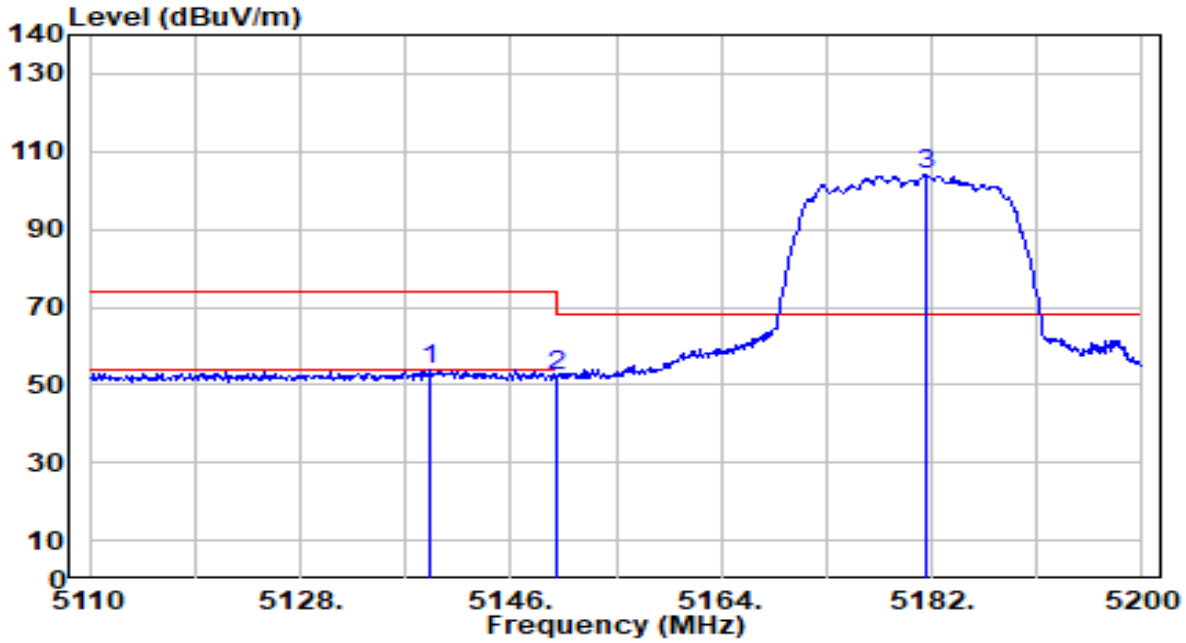


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5827.425	112.14	2.23	114.38	N/A	N/A	200	120	Peak
2		5850.000	56.25	2.27	58.52	-63.68	122.20	200	120	Peak
3		5855.000	56.09	2.28	58.37	-52.43	110.80	200	120	Peak
4		5875.000	54.50	2.31	56.80	-48.40	105.20	200	120	Peak
5		5925.000	52.00	2.38	54.38	-13.82	68.20	200	120	Peak
6	*	5945.205	55.39	2.42	57.81	-10.39	68.20	200	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

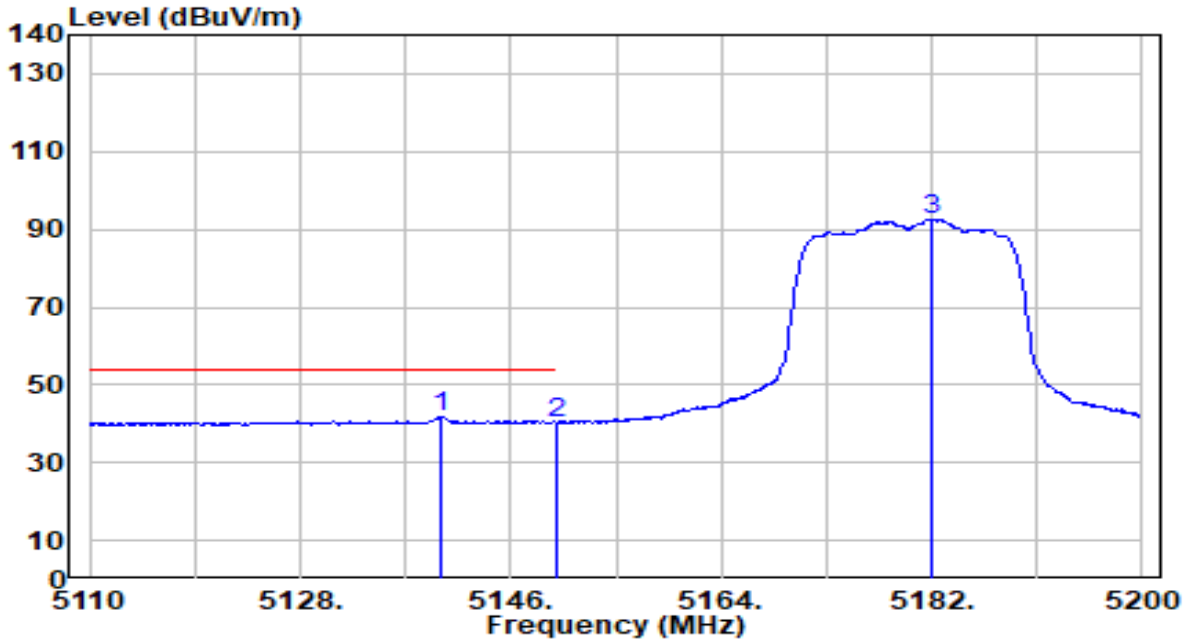


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5139.160	53.12	0.78	53.90	-20.10	74.00	340	272	Peak
2		5150.000	51.65	0.80	52.45	-21.55	74.00	340	272	Peak
3		5181.460	103.31	0.84	104.14	N/A	N/A	340	272	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

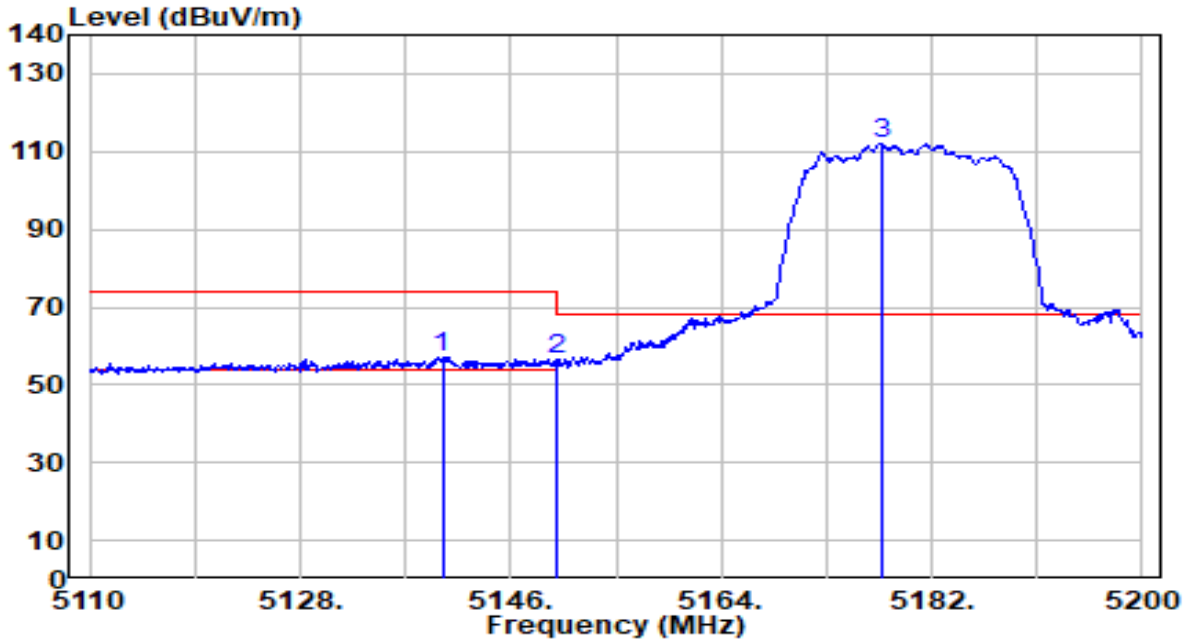


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5139.970	41.16	0.78	41.95	-12.05	54.00	340	272	Average
2		5150.000	39.43	0.80	40.23	-13.77	54.00	340	272	Average
3		5181.910	91.63	0.84	92.46	N/A	N/A	340	272	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

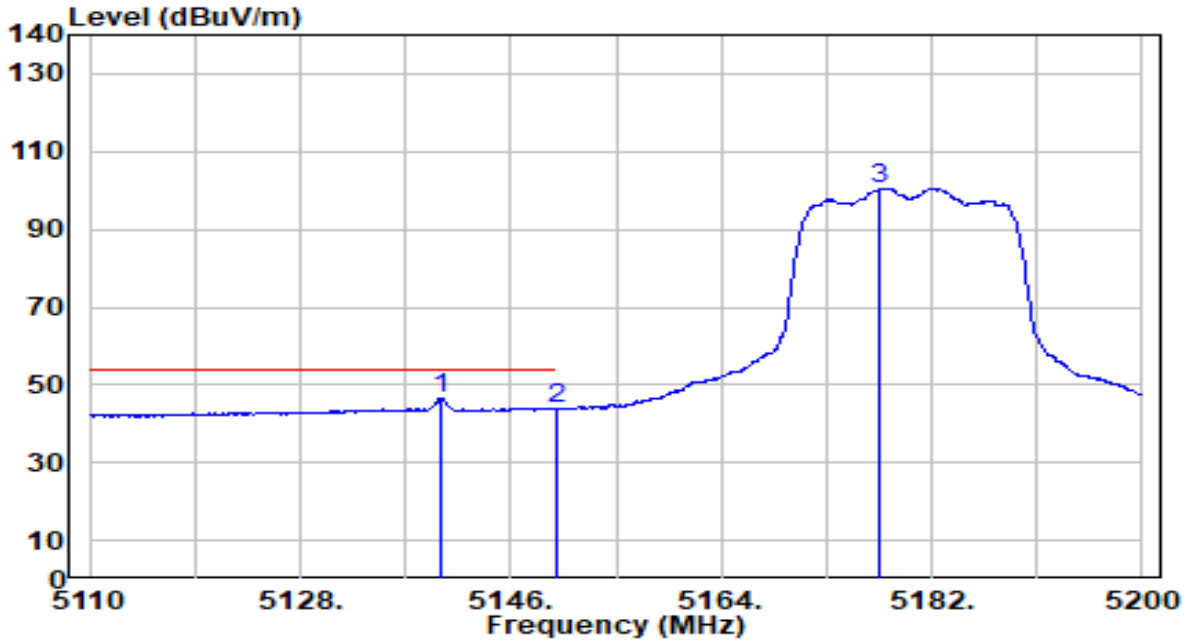


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5140.150	56.43	0.78	57.22	-16.78	74.00	100	28	Peak
2		5150.000	55.64	0.80	56.44	-17.56	74.00	100	28	Peak
3		5177.680	111.25	0.83	112.08	N/A	N/A	100	28	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band1_TX_CH 36_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

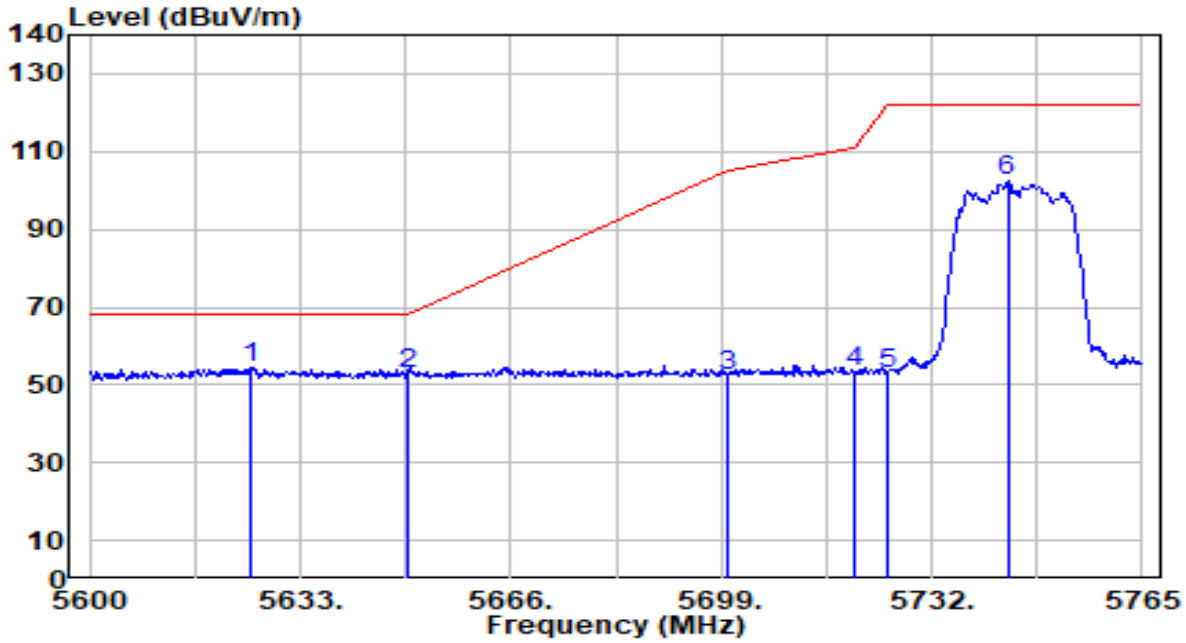


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5139.970	45.62	0.78	46.40	-7.60	54.00	100	28	Average
2		5150.000	42.99	0.80	43.79	-10.21	54.00	100	28	Average
3		5177.500	99.70	0.83	100.53	N/A	N/A	100	28	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

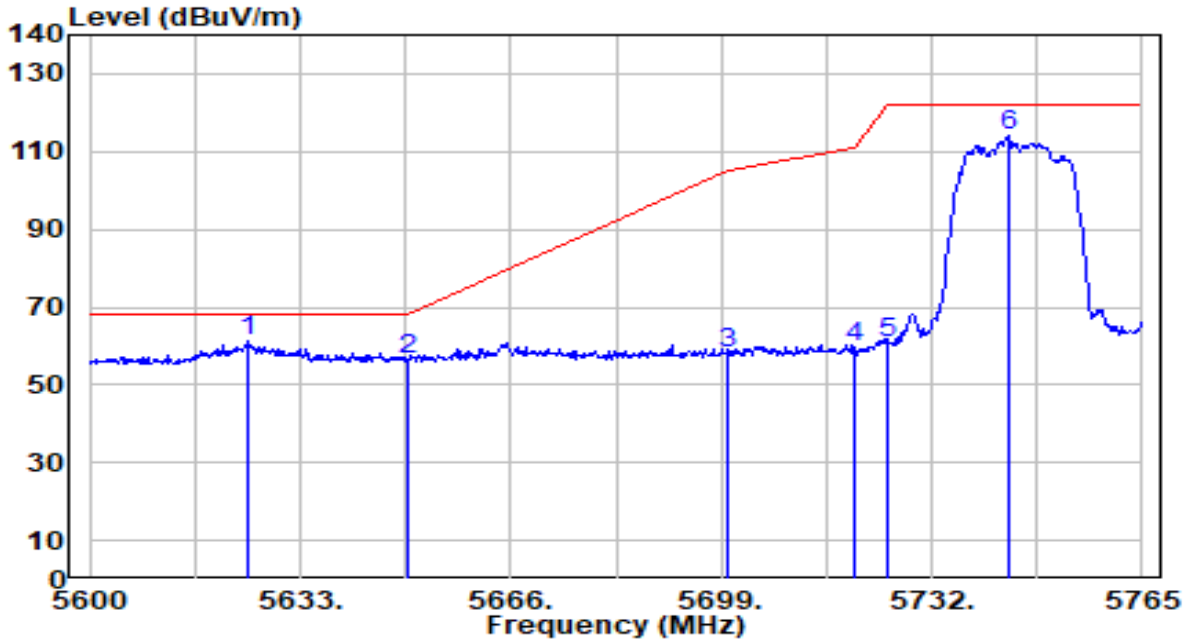


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5625.080	53.03	1.49	54.51	-13.69	68.20	304	265	Peak
2		5650.000	51.03	1.59	52.62	-15.58	68.20	304	265	Peak
3		5700.000	50.70	1.79	52.49	-52.71	105.20	304	265	Peak
4		5720.000	51.28	1.87	53.15	-57.65	110.80	304	265	Peak
5		5725.000	51.14	1.89	53.03	-69.17	122.20	304	265	Peak
6		5743.880	100.40	1.97	102.36	N/A	N/A	304	265	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 149_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

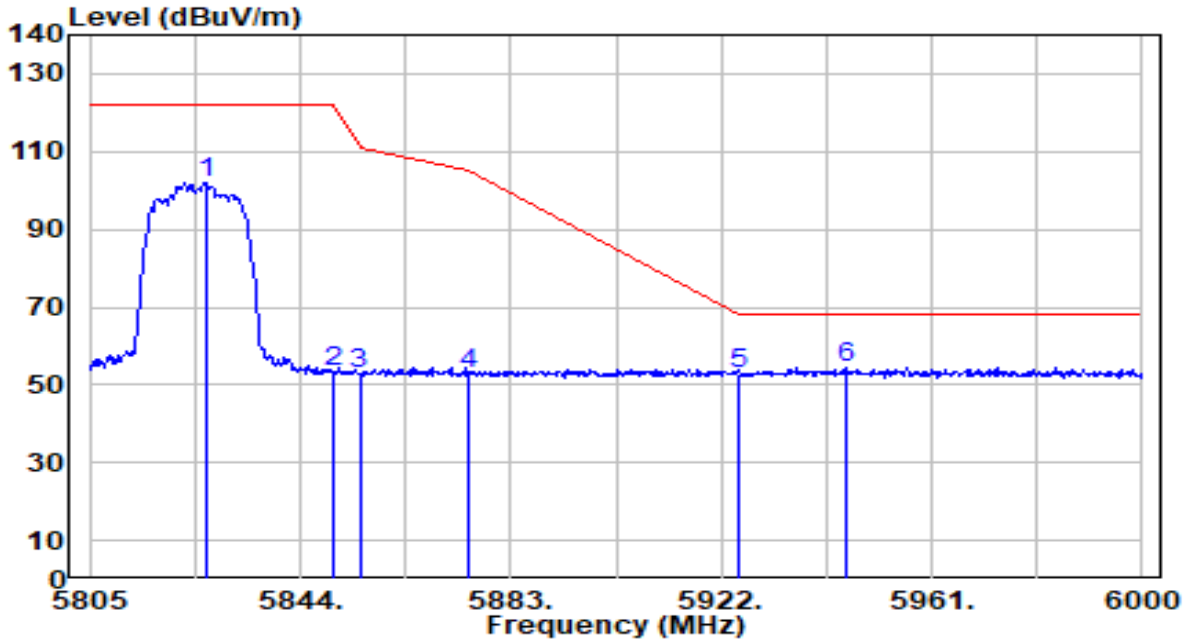


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5624.750	59.56	1.48	61.05	-7.15	68.20	179	50	Peak
2		5650.000	55.10	1.59	56.69	-11.51	68.20	179	50	Peak
3		5700.000	56.43	1.79	58.21	-46.99	105.20	179	50	Peak
4		5720.000	57.88	1.87	59.75	-51.05	110.80	179	50	Peak
5		5725.000	58.87	1.89	60.76	-61.44	122.20	179	50	Peak
6		5744.045	112.22	1.97	114.19	N/A	N/A	179	50	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

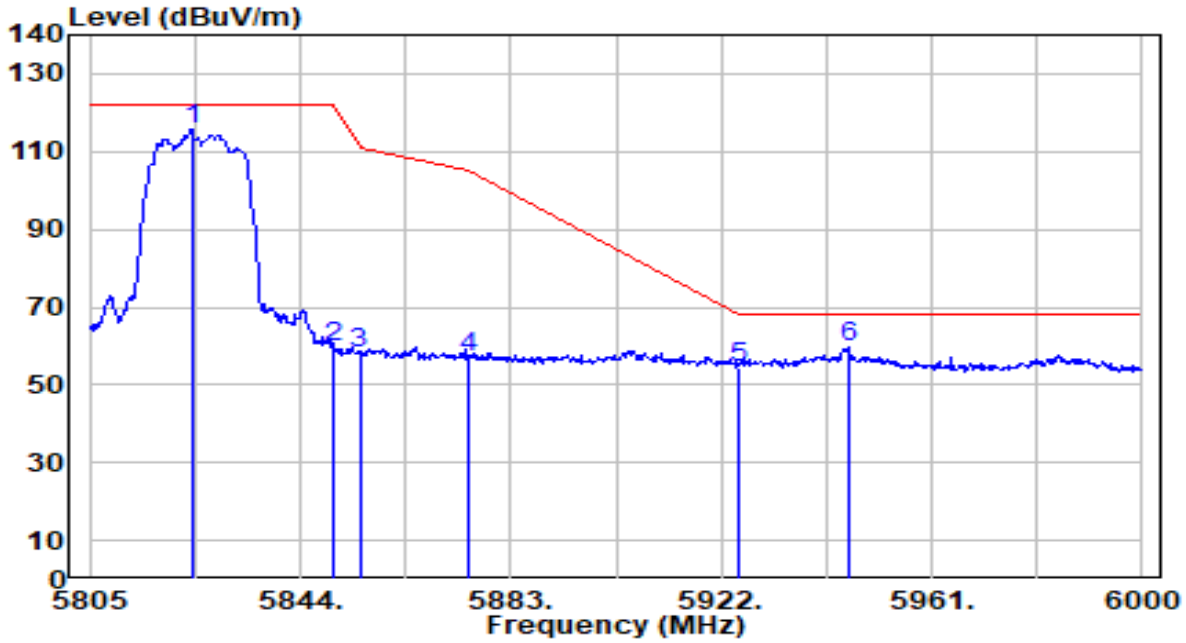


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5826.450	99.72	2.23	101.95	N/A	N/A	200	273	Peak
2		5850.000	50.99	2.27	53.26	-68.94	122.20	200	273	Peak
3		5855.000	50.75	2.28	53.03	-57.77	110.80	200	273	Peak
4		5875.000	50.69	2.31	53.00	-52.20	105.20	200	273	Peak
5		5925.000	50.40	2.38	52.79	-15.41	68.20	200	273	Peak
6	*	5945.205	52.01	2.42	54.42	-13.78	68.20	200	273	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-20MHz_Band4_TX_CH 165_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

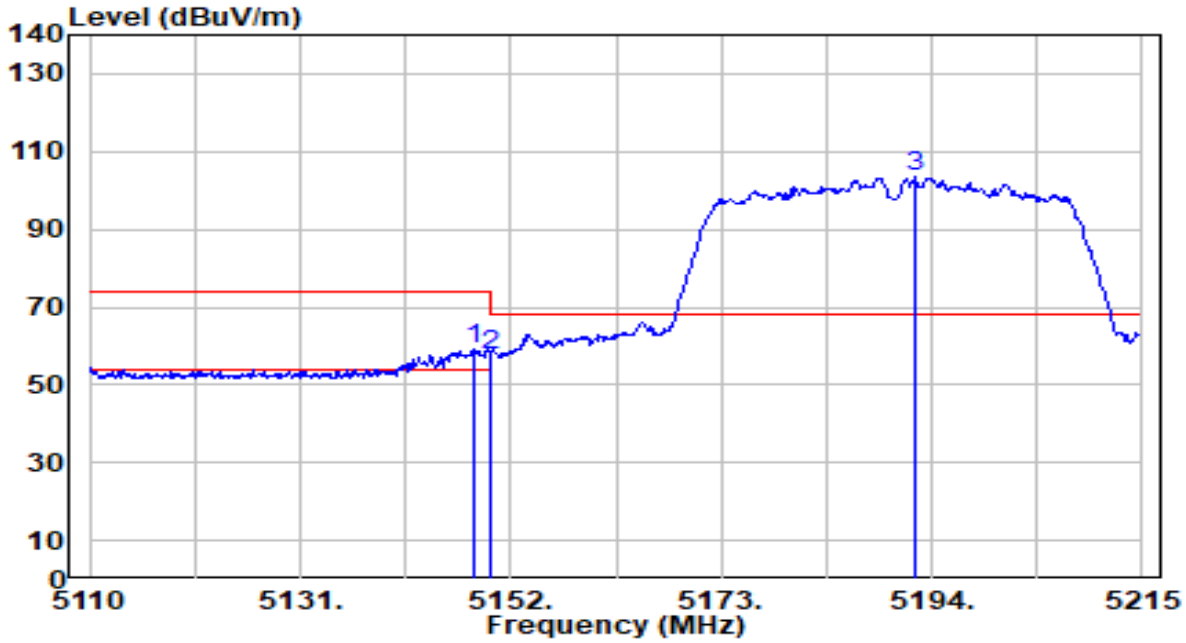


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5823.915	113.53	2.23	115.76	N/A	N/A	198	50	Peak
2		5850.000	57.18	2.27	59.45	-62.75	122.20	198	50	Peak
3		5855.000	55.64	2.28	57.92	-52.88	110.80	198	50	Peak
4		5875.000	54.55	2.31	56.86	-48.34	105.20	198	50	Peak
5		5925.000	52.22	2.38	54.60	-13.60	68.20	198	50	Peak
6	*	5945.595	57.04	2.42	59.45	-8.75	68.20	198	50	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 38_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

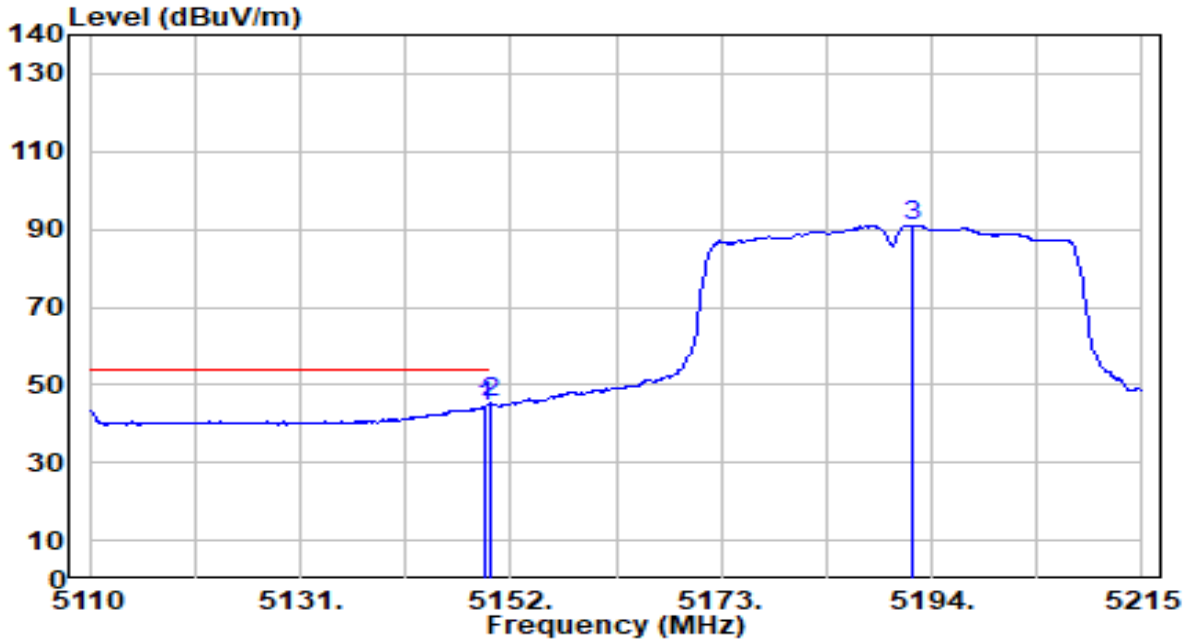


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5148.325	58.30	0.79	59.10	-14.90	74.00	334	274	Peak
2		5150.000	56.91	0.80	57.70	-16.30	74.00	334	274	Peak
3		5192.425	102.91	0.85	103.76	N/A	N/A	334	274	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 38_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

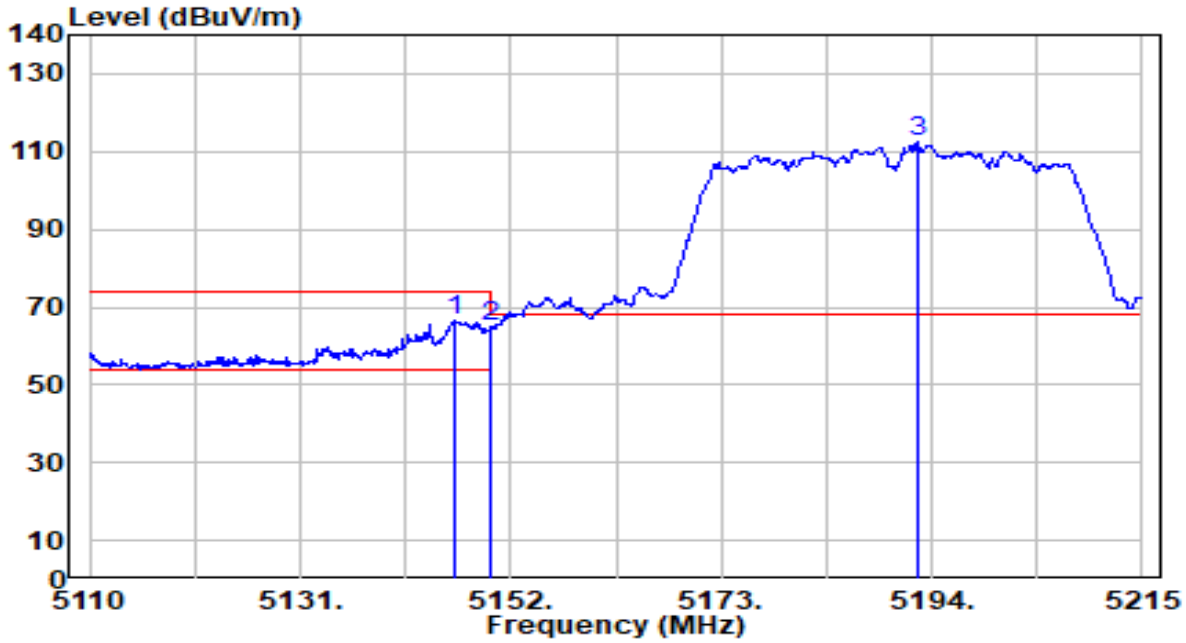


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5149.480	43.69	0.80	44.48	-9.52	54.00	334	274	Average
2	*	5150.000	44.44	0.80	45.24	-8.76	54.00	334	274	Average
3		5192.110	90.24	0.85	91.09	N/A	N/A	334	274	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 38_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

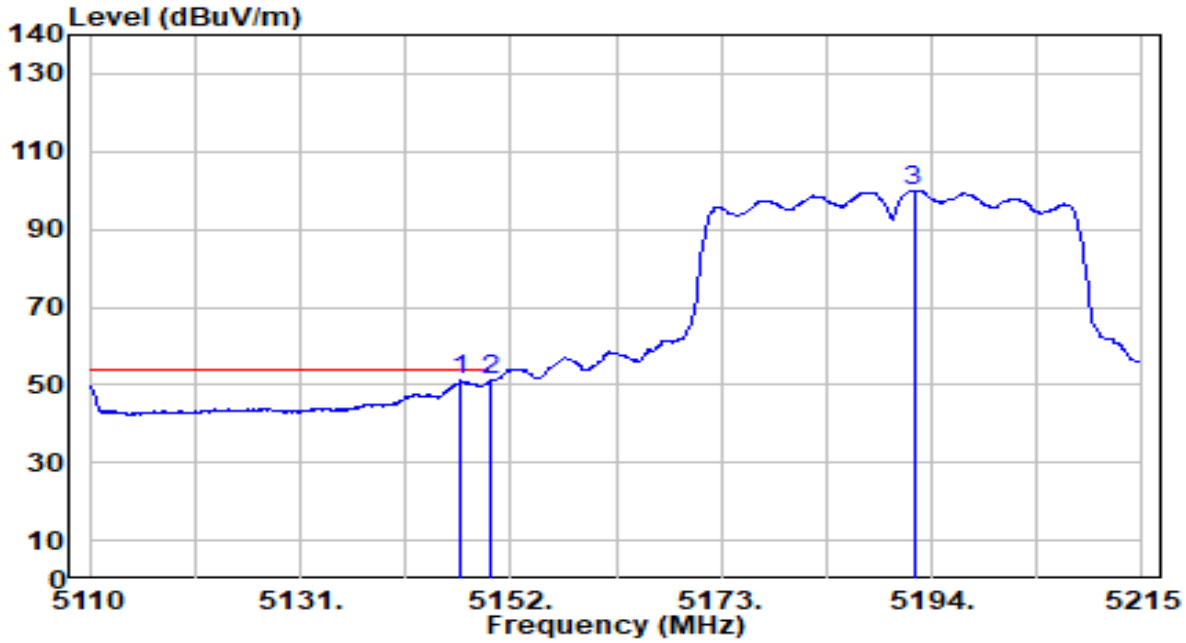


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5146.540	65.83	0.79	66.62	-7.38	74.00	140	47	Peak
2		5150.000	63.98	0.80	64.78	-9.22	74.00	140	47	Peak
3		5192.740	111.66	0.85	112.50	N/A	N/A	140	47	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band1_TX_CH 38_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

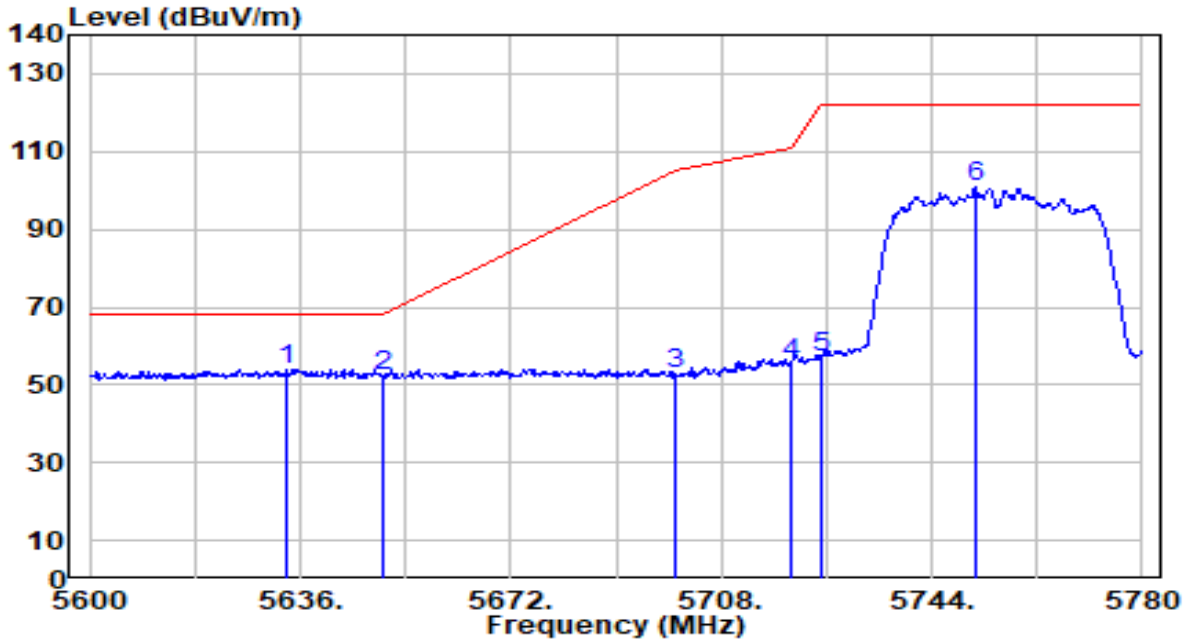


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5147.065	50.22	0.79	51.01	-2.99	54.00	140	47	Average
2	*	5150.000	50.26	0.80	51.06	-2.94	54.00	140	47	Average
3		5192.215	99.11	0.85	99.96	N/A	N/A	140	47	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 151_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

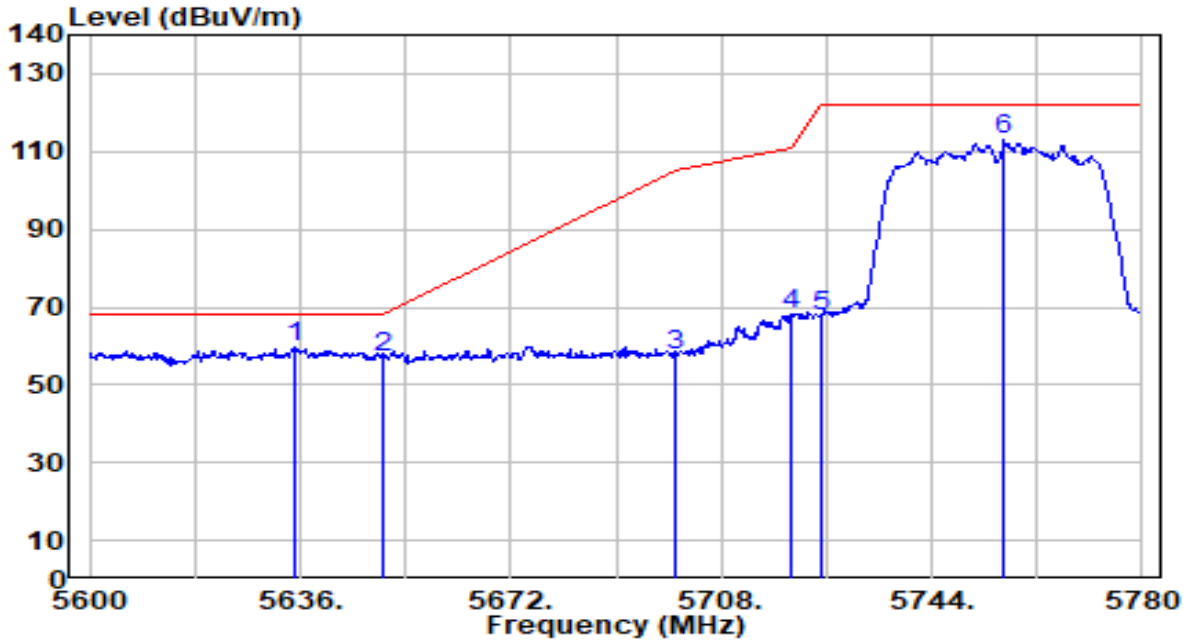


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5633.660	52.48	1.52	54.00	-14.20	68.20	286	265	Peak
2		5650.000	50.51	1.59	52.10	-16.10	68.20	286	265	Peak
3		5700.000	51.09	1.79	52.88	-52.32	105.20	286	265	Peak
4		5720.000	53.86	1.87	55.72	-55.08	110.80	286	265	Peak
5		5725.000	55.24	1.89	57.13	-65.07	122.20	286	265	Peak
6		5751.380	98.67	2.00	100.66	N/A	N/A	286	265	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 151_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

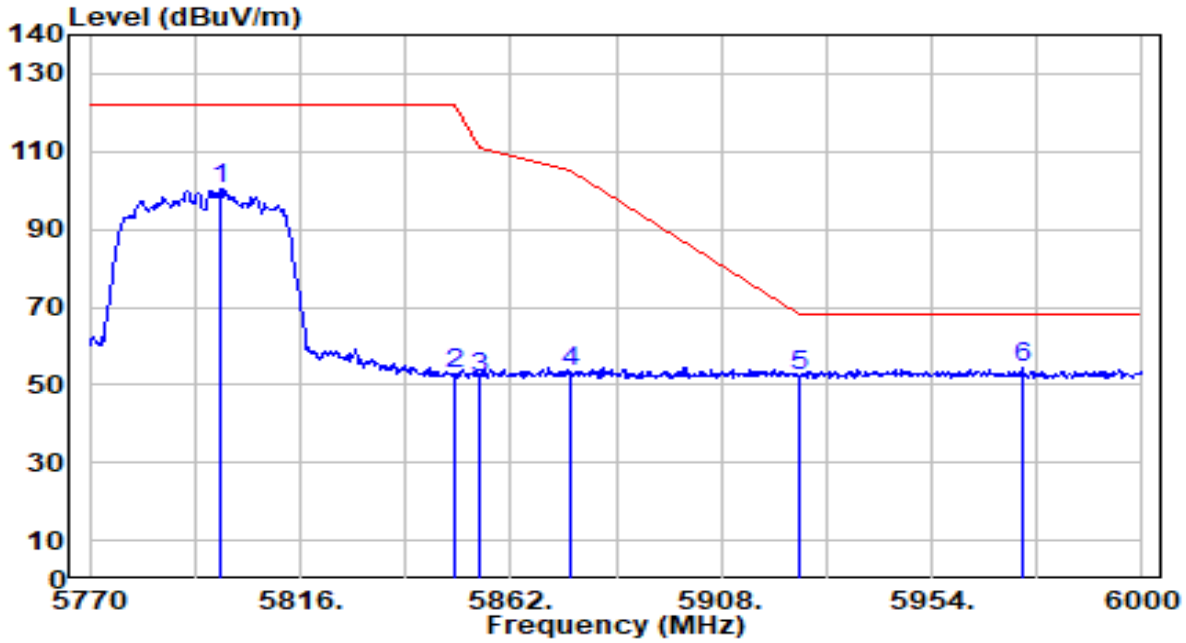


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5635.280	58.07	1.53	59.60	-8.60	68.20	164	52	Peak
2		5650.000	55.56	1.59	57.15	-11.05	68.20	164	52	Peak
3		5700.000	55.75	1.79	57.54	-47.66	105.20	164	52	Peak
4		5720.000	66.25	1.87	68.11	-42.69	110.80	164	52	Peak
5		5725.000	65.98	1.89	67.87	-54.33	122.20	164	52	Peak
6		5756.420	111.02	2.02	113.04	N/A	N/A	164	52	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 159_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

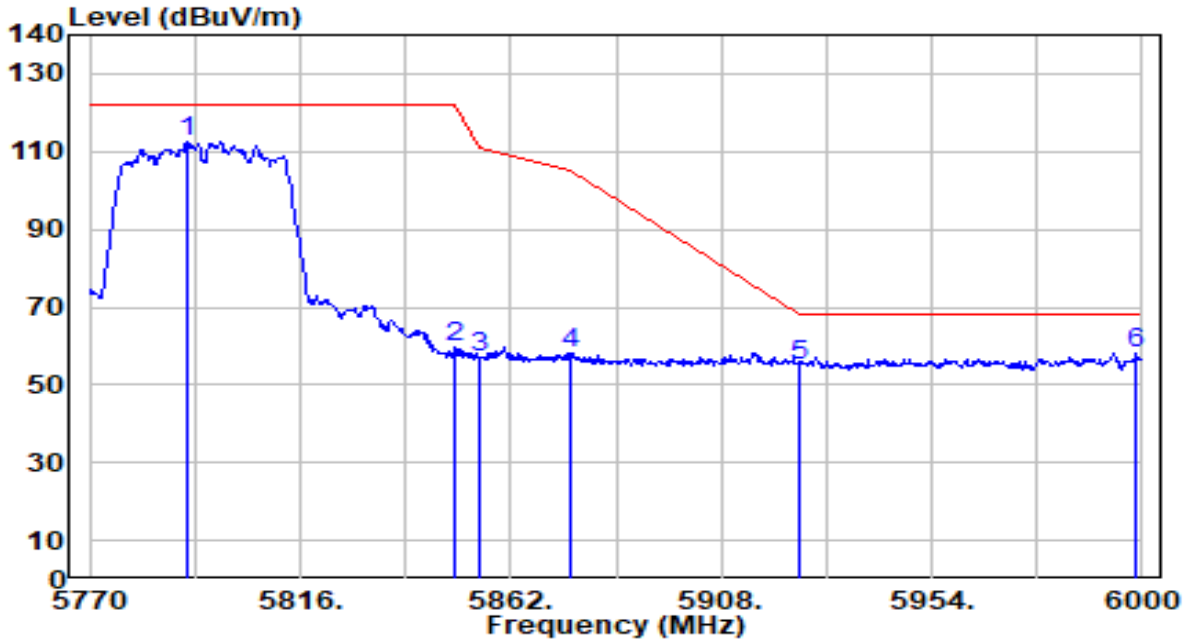


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5798.750	98.05	2.19	100.24	N/A	N/A	311	266	Peak
2		5850.000	50.45	2.27	52.72	-69.48	122.20	311	266	Peak
3		5855.000	49.59	2.28	51.87	-58.93	110.80	311	266	Peak
4		5875.000	50.93	2.31	53.23	-51.97	105.20	311	266	Peak
5		5925.000	50.06	2.38	52.44	-15.76	68.20	311	266	Peak
6	*	5974.010	51.71	2.46	54.17	-14.03	68.20	311	266	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-40MHz_Band4_TX_CH 159_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

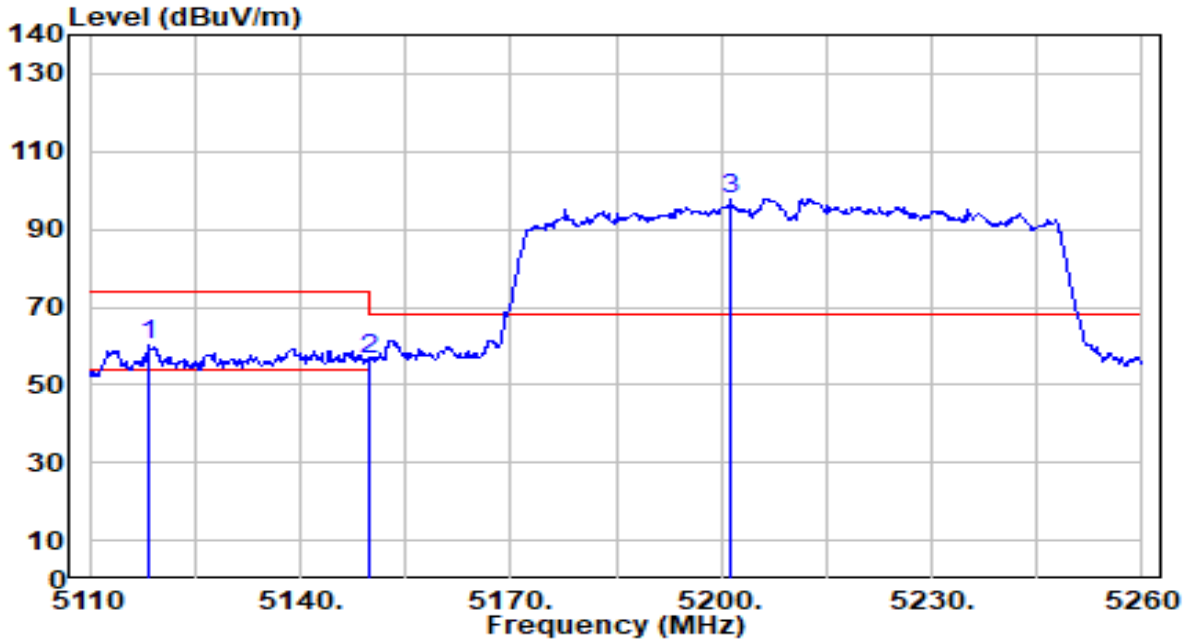


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5791.390	110.21	2.16	112.36	N/A	N/A	200	56	Peak
2		5850.000	57.63	2.27	59.90	-62.30	122.20	200	56	Peak
3		5855.000	55.03	2.28	57.31	-53.49	110.80	200	56	Peak
4		5875.000	55.86	2.31	58.17	-47.03	105.20	200	56	Peak
5		5925.000	52.45	2.38	54.83	-13.37	68.20	200	56	Peak
6	*	5998.850	55.44	2.50	57.93	-10.27	68.20	200	56	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band1_TX_CH 42_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

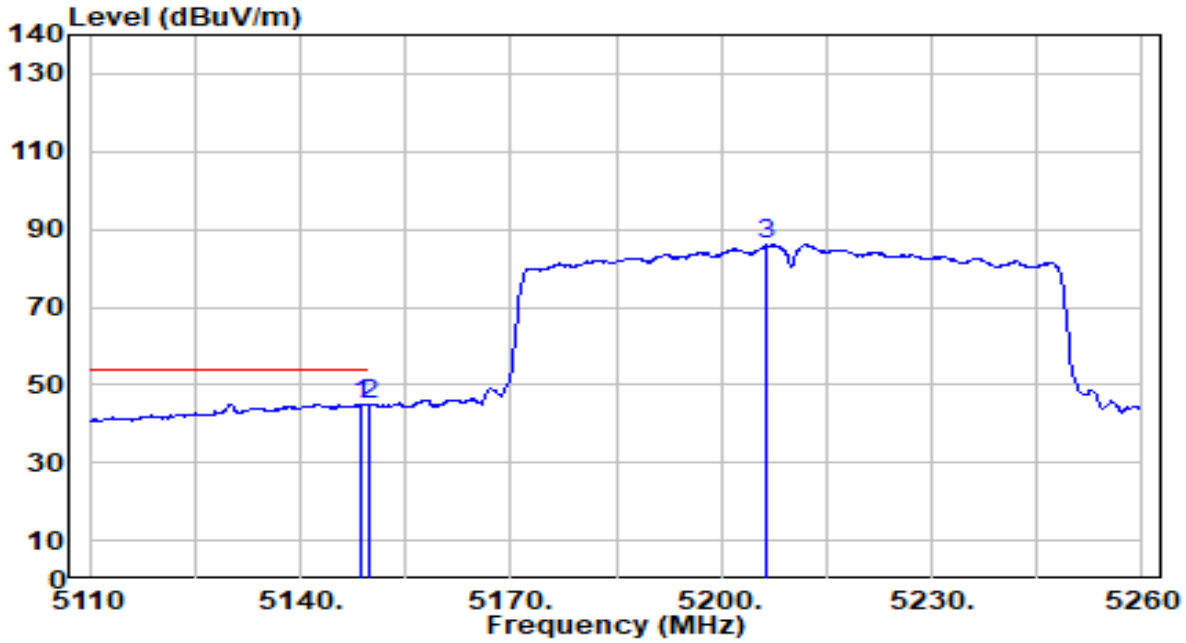


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5118.550	59.43	0.76	60.19	-13.81	74.00	337	273	Peak
2		5150.000	55.99	0.80	56.78	-17.22	74.00	337	273	Peak
3		5201.350	97.13	0.86	97.99	N/A	N/A	337	273	Peak

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band1_TX_CH 42_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

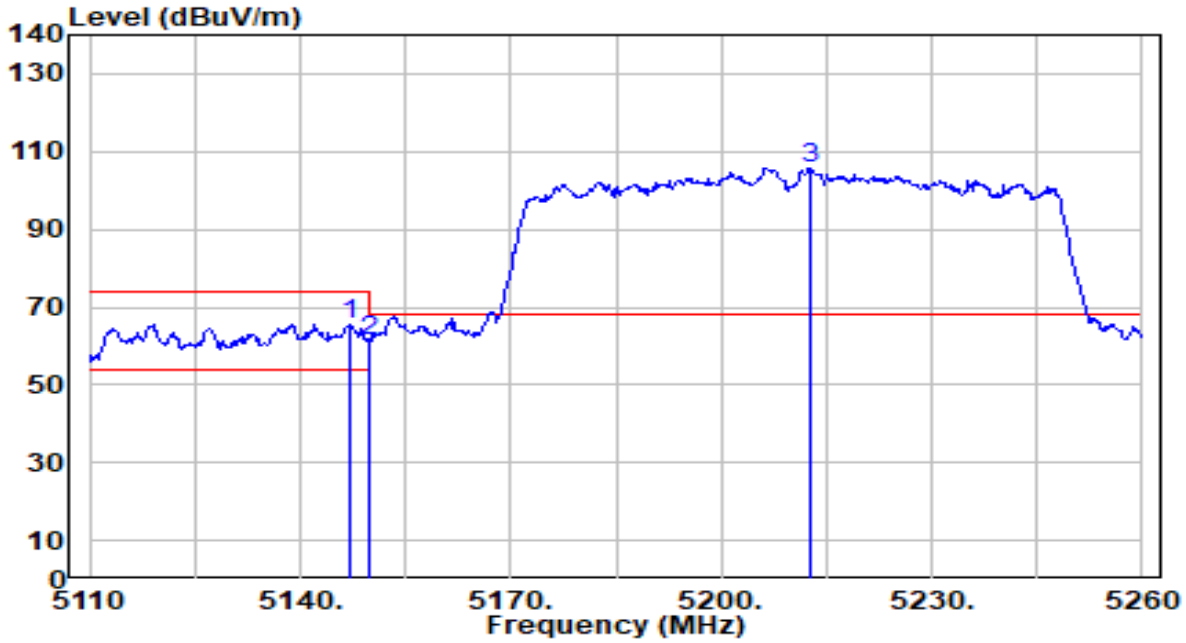


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5148.700	44.27	0.79	45.06	-8.94	54.00	337	273	Average
2		5150.000	44.25	0.80	45.05	-8.95	54.00	337	273	Average
3		5206.600	85.18	0.85	86.03	N/A	N/A	337	273	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band1_TX_CH 42_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

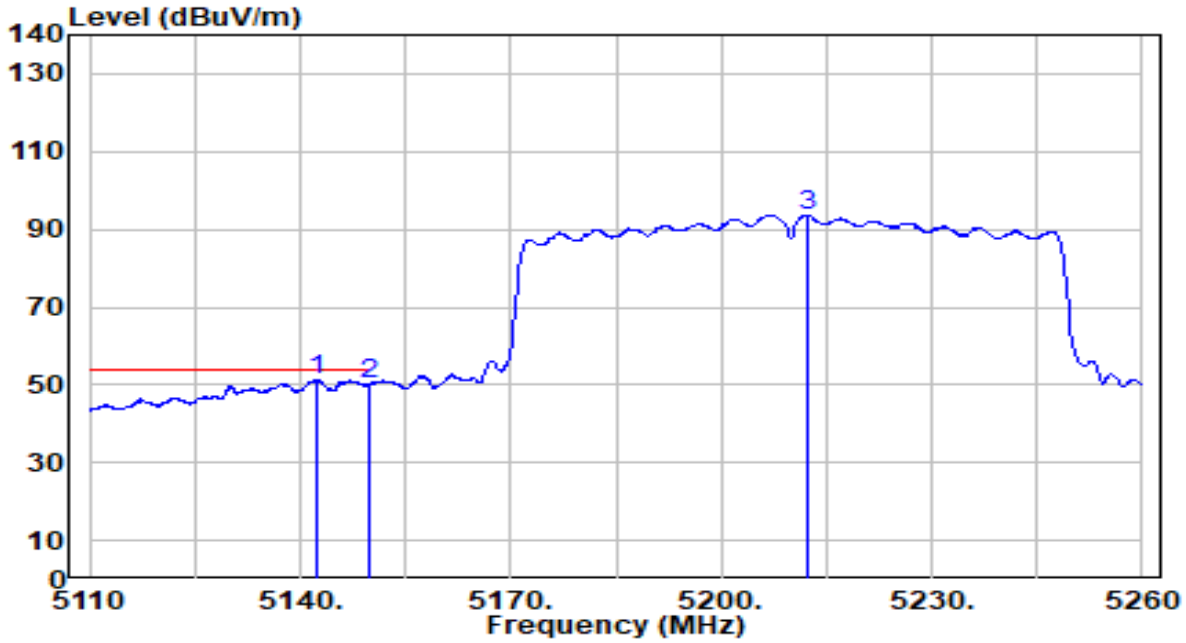


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.050	64.97	0.79	65.76	-8.24	74.00	100	26	Peak
2		5150.000	60.73	0.80	61.53	-12.47	74.00	100	26	Peak
3		5212.750	104.84	0.84	105.67	N/A	N/A	100	26	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB) – Preamplifier(dB) + 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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band1_TX_CH 42_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz

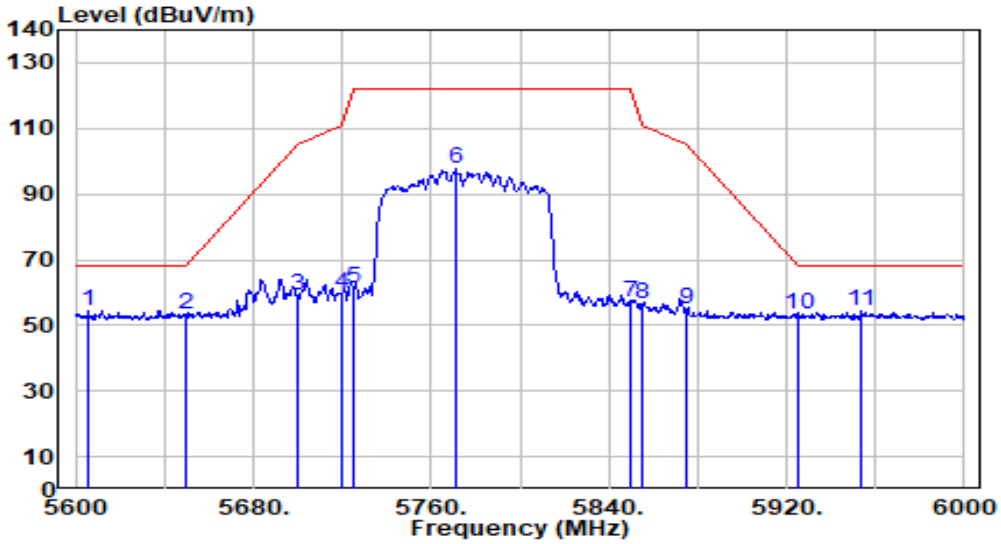


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5142.550	50.34	0.79	51.13	-2.87	54.00	100	26	Average
2		5150.000	49.31	0.80	50.11	-3.89	54.00	100	26	Average
3		5212.150	92.83	0.84	93.67	N/A	N/A	100	26	Average

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02
Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Horizontal	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band4_TX_CH 155_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz



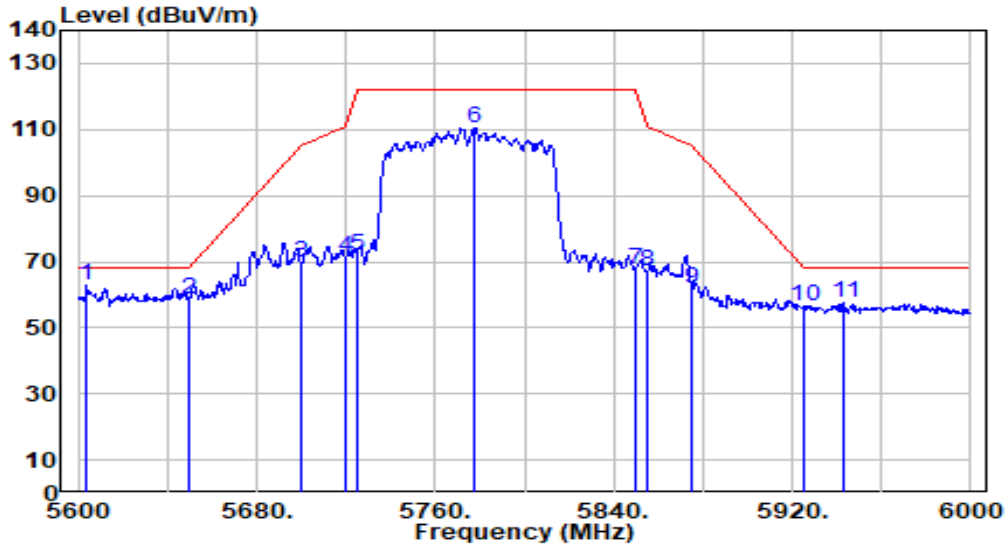
No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5605.600	52.91	1.41	54.32	-13.88	68.20	296	266	Peak
2		5650.000	51.93	1.59	53.52	-14.68	68.20	296	266	Peak
3		5700.000	57.38	1.79	59.16	-46.04	105.20	296	266	Peak
4		5720.000	58.03	1.87	59.90	-50.90	110.80	296	266	Peak
5		5725.000	59.32	1.89	61.21	-60.99	122.20	296	266	Peak
6		5771.200	95.71	2.08	97.79	N/A	N/A	296	266	Peak
7		5850.000	54.78	2.27	57.05	-65.15	122.20	296	266	Peak
8		5855.000	54.32	2.28	56.59	-54.21	110.80	296	266	Peak
9		5875.000	52.57	2.31	54.88	-50.32	105.20	296	266	Peak
10		5925.000	50.94	2.38	53.32	-14.88	68.20	296	266	Peak
11		5953.600	51.73	2.43	54.16	-14.04	68.20	296	266	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-02

Factor	DRH18-E	Temp. / Humidity	21°C /55%
Polarity	Vertical	Site / Test Engineer	AC2 / Xuan
Test Mode	802.11ac-80MHz_Band4_TX_CH 155_ANT 0+1+2	Test Voltage	AC 120V/ 60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5604.000	61.40	1.40	62.80	-5.40	68.20	185	53	Peak
2		5650.000	56.98	1.59	58.56	-9.64	68.20	185	53	Peak
3		5700.000	68.02	1.79	69.81	-35.39	105.20	185	53	Peak
4		5720.000	69.67	1.87	71.54	-39.26	110.80	185	53	Peak
5		5725.000	70.15	1.89	72.04	-50.16	122.20	185	53	Peak
6		5777.600	108.44	2.10	110.54	N/A	N/A	185	53	Peak
7		5850.000	65.26	2.27	67.53	-54.67	122.20	185	53	Peak
8		5855.000	64.64	2.28	66.91	-43.89	110.80	185	53	Peak
9		5875.000	59.56	2.31	61.87	-43.33	105.20	185	53	Peak
10		5925.000	54.12	2.38	56.51	-11.69	68.20	185	53	Peak
11		5943.200	55.04	2.41	57.45	-10.75	68.20	185	53	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

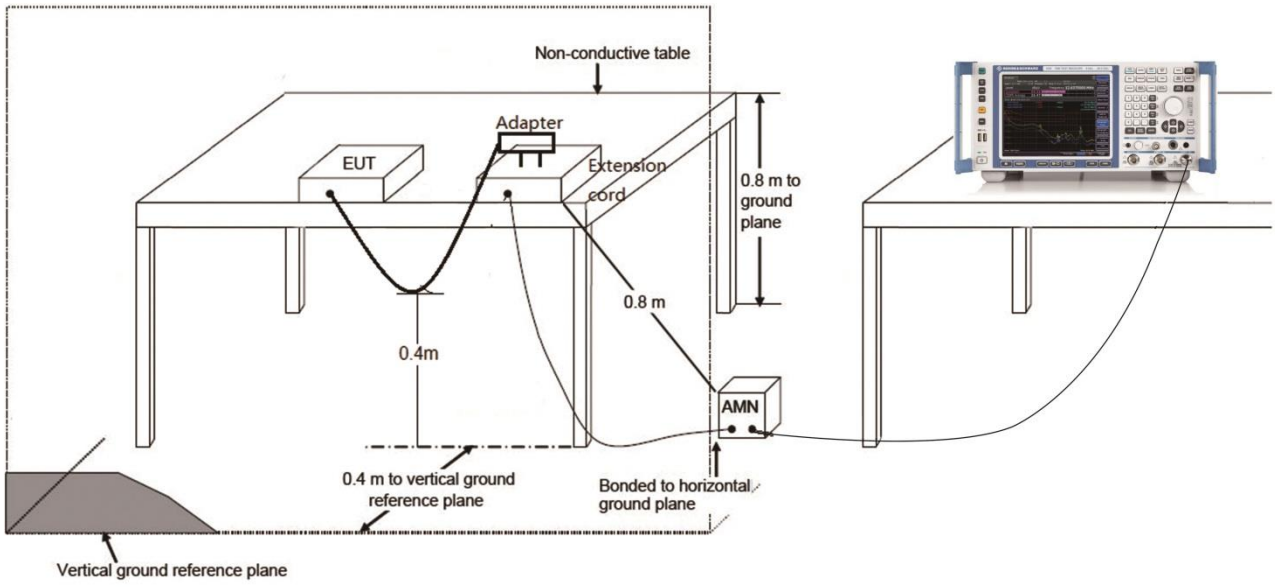
7.9.1.Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
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.

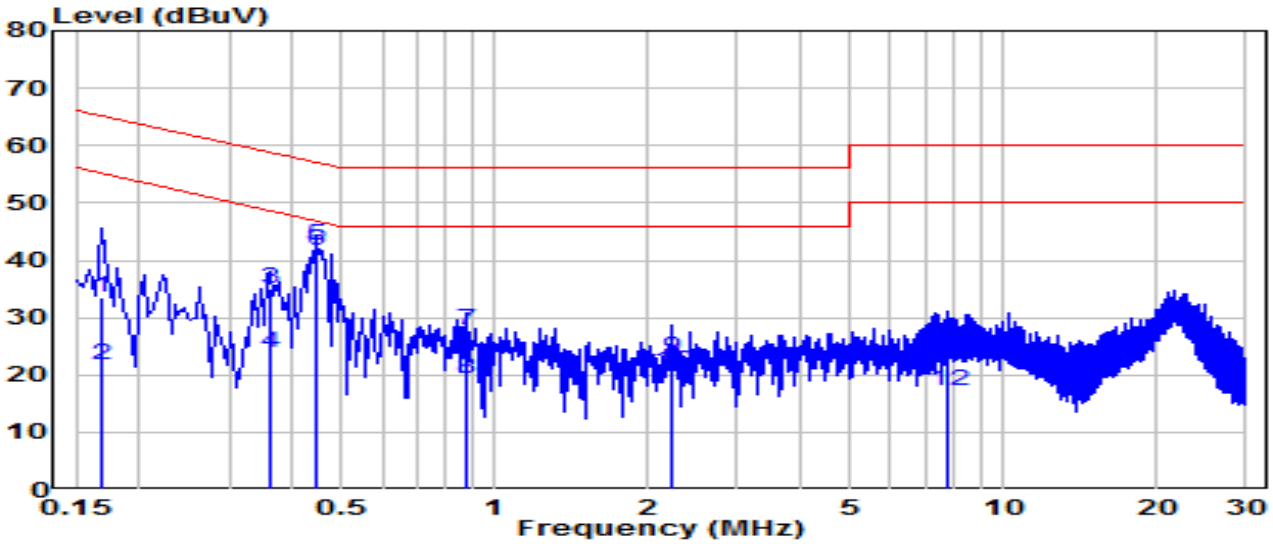
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.9.2.Test Setup



7.9.3.Test Result

EUT	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-01
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	24.1°C /64%
Polarity	Line1	Site / Test Engineer	SR2 / Amber
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1+2	Test Voltage	AC 120V /60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.168	23.96	9.62	33.58	-31.48	65.06	QP
2		0.168	12.04	9.62	21.66	-33.40	55.06	Average
3		0.361	25.30	9.63	34.93	-23.76	58.69	QP
4		0.361	14.15	9.63	23.78	-24.91	48.69	Average
5	*	0.442	32.82	9.64	42.46	-14.56	57.02	QP
6	*	0.442	31.87	9.64	41.51	-5.50	47.02	Average
7		0.879	18.02	9.66	27.68	-28.32	56.00	QP
8		0.879	9.55	9.66	19.21	-26.79	46.00	Average
9		2.224	13.35	9.69	23.04	-32.96	56.00	QP
10		2.224	10.86	9.69	20.55	-25.45	46.00	Average
11		7.763	14.92	9.81	24.73	-35.27	60.00	QP
12		7.763	7.31	9.81	17.11	-32.89	50.00	Average

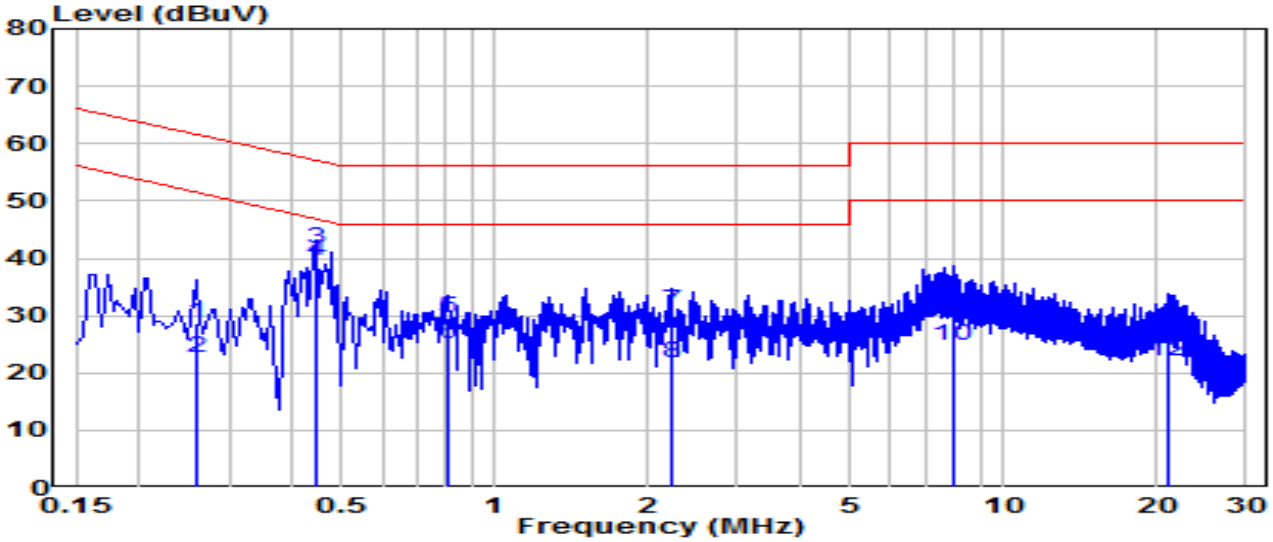
Note:

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-01
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	24.1°C /64%
Polarity	Neutral	Site / Test Engineer	SR2 / Amber
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1+2	Test Voltage	AC 120V /60Hz

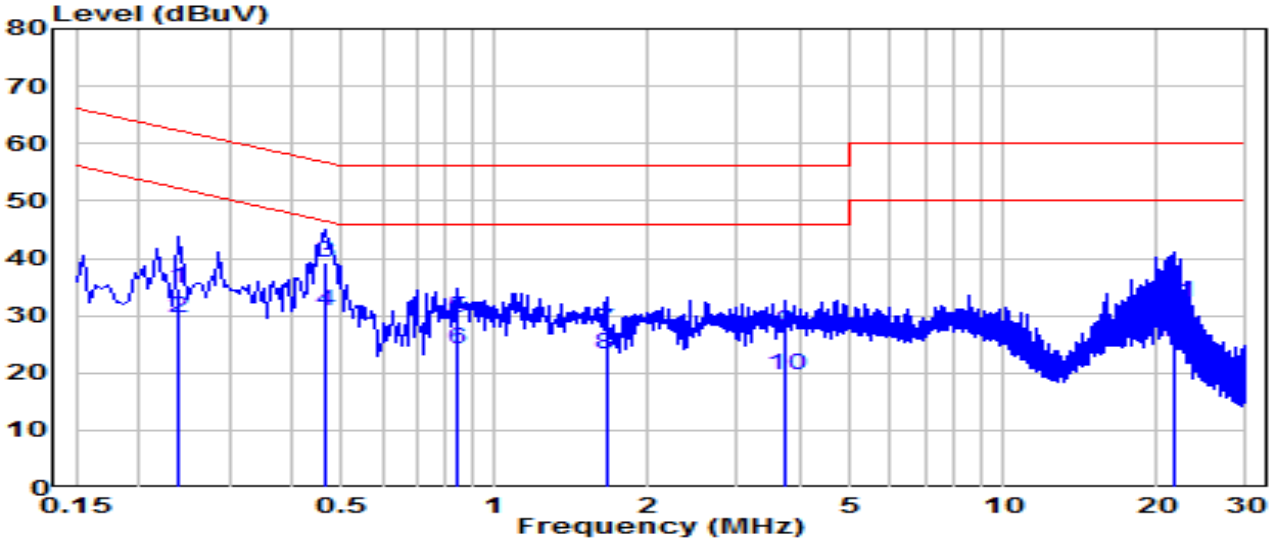


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.258	19.20	9.63	28.82	-32.67	61.50	QP
2		0.258	12.95	9.63	22.58	-28.92	51.50	Average
3	*	0.447	32.00	9.64	41.64	-15.30	56.93	QP
4	*	0.447	29.99	9.64	39.62	-7.31	46.93	Average
5		0.807	20.07	9.66	29.73	-26.27	56.00	QP
6		0.807	15.35	9.66	25.01	-20.99	46.00	Average
7		2.233	21.14	9.69	30.84	-25.16	56.00	QP
8		2.233	12.14	9.69	21.83	-24.17	46.00	Average
9		7.939	20.92	9.82	30.74	-29.26	60.00	QP
10		7.939	14.88	9.82	24.70	-25.30	50.00	Average
11		20.974	17.51	10.00	27.51	-32.49	60.00	QP
12		20.974	11.92	10.00	21.93	-28.07	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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-01
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	24.1°C /64%
Polarity	Line1	Site / Test Engineer	SR2 / Amber
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1+2	Test Voltage	AC 240V /60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.240	25.22	9.63	34.85	-27.25	62.10	QP
2		0.240	19.87	9.63	29.50	-22.60	52.10	Average
3	*	0.465	29.65	9.64	39.29	-17.31	56.60	QP
4	*	0.465	21.09	9.64	30.73	-15.87	46.60	Average
5		0.847	19.94	9.66	29.60	-26.40	56.00	QP
6		0.847	14.59	9.66	24.25	-21.75	46.00	Average
7		1.653	17.90	9.68	27.58	-28.42	56.00	QP
8		1.653	13.59	9.68	23.27	-22.73	46.00	Average
9		3.727	17.32	9.72	27.04	-28.96	56.00	QP
10		3.727	10.02	9.72	19.74	-26.26	46.00	Average
11		21.770	22.30	9.92	32.22	-27.78	60.00	QP
12		21.770	15.38	9.92	25.30	-24.70	50.00	Average

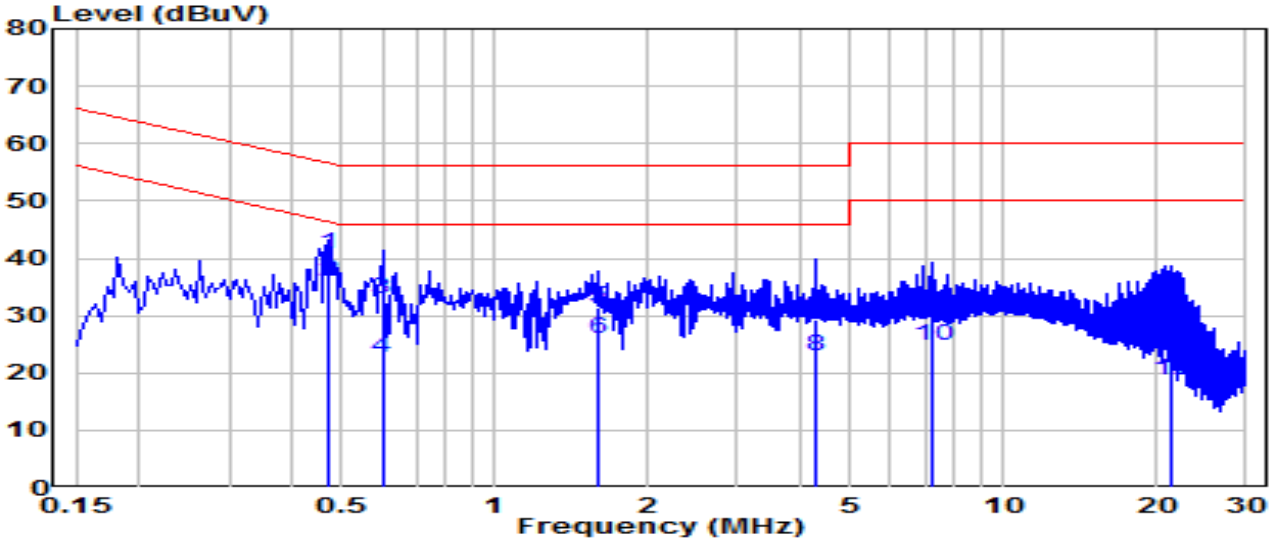
Note:

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	AC1900 MU-MIMO Wi-Fi Router	Date of Test	2022-12-01
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	24.1°C /64%
Polarity	Neutral	Site / Test Engineer	SR2 / Amber
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1+2	Test Voltage	AC 240V /60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.469	31.02	9.64	40.66	-15.86	56.52	QP
2	*	0.469	26.21	9.64	35.85	-10.67	46.52	Average
3		0.600	23.12	9.65	32.77	-23.23	56.00	QP
4		0.600	12.85	9.65	22.50	-23.50	46.00	Average
5		1.599	21.82	9.68	31.50	-24.50	56.00	QP
6		1.599	16.41	9.68	26.09	-19.91	46.00	Average
7		4.303	19.65	9.74	29.39	-26.61	56.00	QP
8		4.303	13.33	9.74	23.07	-22.93	46.00	Average
9		7.259	20.08	9.80	29.88	-30.12	60.00	QP
10		7.259	14.98	9.80	24.79	-25.21	50.00	Average
11		21.316	20.04	10.00	30.04	-29.96	60.00	QP
12		21.316	8.82	10.00	18.82	-31.18	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 device is in compliance with Part 15E of the FCC Rules.

The End

Appendix A : Test Setup Photograph

Refer to “2211TW0107-Setup Photo” file.

Appendix B : External Photograph

Refer to “2211TW0107-External Photo” file.

Appendix C : Internal Photograph

Refer to “2211TW0107-Internal Photo” file.