802.11 n20 CH01 (2412MHz)	802.11 n20 CH01 (2412MHz)
	
802.11 n20 CH06 (2437MHz)	**802.11 n20 CH06 (2437MHz)**
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	

802.11 n40 CH03 (2422MHz)	802.11 n40 CH03 (2422MHz)
	
802.11 n40 CH06 (2437MHz)	**802.11 n40 CH06 (2437MHz)**
	
802.11 n40 CH09 (2452MHz)	**802.11 n40 CH09 (2452MHz)**
	

802.11 ax20 CH01 (2412MHz)	802.11 ax20 CH01 (2412MHz)
	
802.11 ax20 CH06 (2437MHz)	**802.11 ax20 CH06 (2437MHz)**
	
802.11 ax20 CH11 (2462MHz)	**802.11 ax20 CH11 (2462MHz)**
	

802.11 ax40 CH03 (2422MHz)	802.11 ax40 CH03 (2422MHz)
	
802.11 ax40 CH06 (2437MHz)	**802.11 ax40 CH06 (2437MHz)**
	
802.11 ax40 CH09 (2452MHz)	**802.11 ax40 CH09 (2452MHz)**
	

Ant 1	
802.11 b CH01 (2412MHz)	**802.11 b CH01 (2412MHz)**
	
802.11 b CH06 (2437MHz)	**802.11 b CH06 (2437MHz)**
	
802.11 b CH11 (2462MHz)	**802.11 b CH11 (2462MHz)**
	

802.11 g CH01 (2412MHz)	802.11 g CH01 (2412MHz)
	
802.11 g CH06 (2437MHz)	**802.11 g CH06 (2437MHz)**
	
802.11 g CH11 (2462MHz)	**802.11 g CH11 (2462MHz)**
	

802.11 n20 CH01 (2412MHz)	802.11 n20 CH01 (2412MHz)
	
802.11 n20 CH06 (2437MHz)	**802.11 n20 CH06 (2437MHz)**
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	

802.11 n40 CH03 (2422MHz)	802.11 n40 CH03 (2422MHz)
	
802.11 n40 CH06 (2437MHz)	**802.11 n40 CH06 (2437MHz)**
	
802.11 n40 CH09 (2452MHz)	**802.11 n40 CH09 (2452MHz)**
	

802.11 ax20 CH01 (2412MHz)	802.11 ax20 CH01 (2412MHz)
	
802.11 ax20 CH06 (2437MHz)	**802.11 ax20 CH06 (2437MHz)**
	
802.11 ax20 CH11 (2462MHz)	**802.11 ax20 CH11 (2462MHz)**
	

802.11 ax40 CH03 (2422MHz)	802.11 ax40 CH03 (2422MHz)
	
802.11 ax40 CH06 (2437MHz)	**802.11 ax40 CH06 (2437MHz)**
	
802.11 ax40 CH09 (2452MHz)	**802.11 ax40 CH09 (2452MHz)**
	

Ant 2	
802.11 b CH01 (2412MHz)	**802.11 b CH01 (2412MHz)**
	
802.11 b CH06 (2437MHz)	**802.11 b CH06 (2437MHz)**
	
802.11 b CH11 (2462MHz)	**802.11 b CH11 (2462MHz)**
	

802.11 g CH01 (2412MHz)	802.11 g CH01 (2412MHz)
	
802.11 g CH06 (2437MHz)	**802.11 g CH06 (2437MHz)**
	
802.11 g CH11 (2462MHz)	**802.11 g CH11 (2462MHz)**
	

802.11 n20 CH01 (2412MHz)	802.11 n20 CH01 (2412MHz)
	
802.11 n20 CH06 (2437MHz)	**802.11 n20 CH06 (2437MHz)**
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	

802.11 n40 CH03 (2422MHz)	802.11 n40 CH03 (2422MHz)
	
802.11 n40 CH06 (2437MHz)	**802.11 n40 CH06 (2437MHz)**
	
802.11 n40 CH09 (2452MHz)	**802.11 n40 CH09 (2452MHz)**
	

802.11 ax20 CH01 (2412MHz)	802.11 ax20 CH01 (2412MHz)
	
802.11 ax20 CH06 (2437MHz)	**802.11 ax20 CH06 (2437MHz)**
	
802.11 ax20 CH11 (2462MHz)	**802.11 ax20 CH11 (2462MHz)**
	

802.11 ax40 CH03 (2422MHz)	802.11 ax40 CH03 (2422MHz)
	
802.11 ax40 CH06 (2437MHz)	**802.11 ax40 CH06 (2437MHz)**
	
802.11 ax40 CH09 (2452MHz)	**802.11 ax40 CH09 (2452MHz)**
	

Ant 3	
802.11 b CH01 (2412MHz)	**802.11 b CH01 (2412MHz)**
	
802.11 b CH06 (2437MHz)	**802.11 b CH06 (2437MHz)**
	
802.11 b CH11 (2462MHz)	**802.11 b CH11 (2462MHz)**
	

802.11 g CH01 (2412MHz)	802.11 g CH01 (2412MHz)
	
802.11 g CH06 (2437MHz)	**802.11 g CH06 (2437MHz)**
	
802.11 g CH11 (2462MHz)	**802.11 g CH11 (2462MHz)**
	

802.11 n20 CH01 (2412MHz)	802.11 n20 CH01 (2412MHz)
	
802.11 n20 CH06 (2437MHz)	**802.11 n20 CH06 (2437MHz)**
	
802.11 n20 CH11 (2462MHz)	**802.11 n20 CH11 (2462MHz)**
	

802.11 n40 CH03 (2422MHz)	802.11 n40 CH03 (2422MHz)
	
802.11 n40 CH06 (2437MHz)	**802.11 n40 CH06 (2437MHz)**
	
802.11 n40 CH09 (2452MHz)	**802.11 n40 CH09 (2452MHz)**
	

802.11 ax20 CH01 (2412MHz)	802.11 ax20 CH01 (2412MHz)
	
802.11 ax20 CH06 (2437MHz)	**802.11 ax20 CH06 (2437MHz)**
	
802.11 ax20 CH11 (2462MHz)	**802.11 ax20 CH11 (2462MHz)**
	

802.11 ax40 CH03 (2422MHz)	802.11 ax40 CH03 (2422MHz)
	
802.11 ax40 CH06 (2437MHz)	**802.11 ax40 CH06 (2437MHz)**
	
802.11 ax40 CH09 (2452MHz)	**802.11 ax40 CH09 (2452MHz)**
	

7.6. Radiated Spurious Emission Measurement

7.6.1.Test Limit

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

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

7.6.2.Test Procedure Used

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

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

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

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

7.6.3.Test Setting

Table 1 - RBW as a function of frequency

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

Quasi-Peak Measurements below 1GHz

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

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

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

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

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

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 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

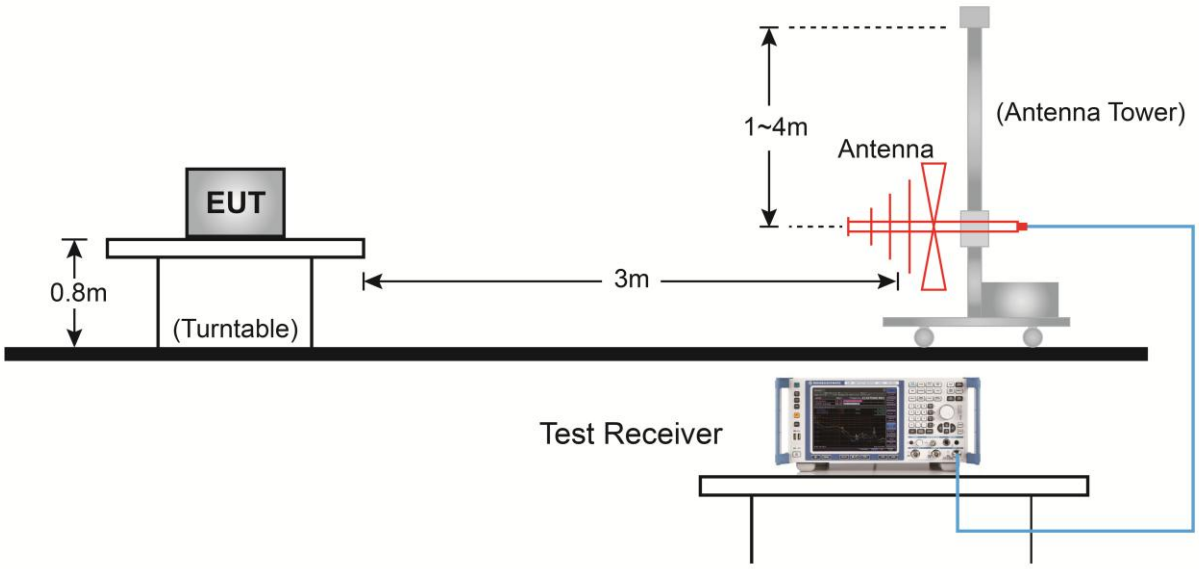
5. Sweep time = auto

6. Trace mode = max hold

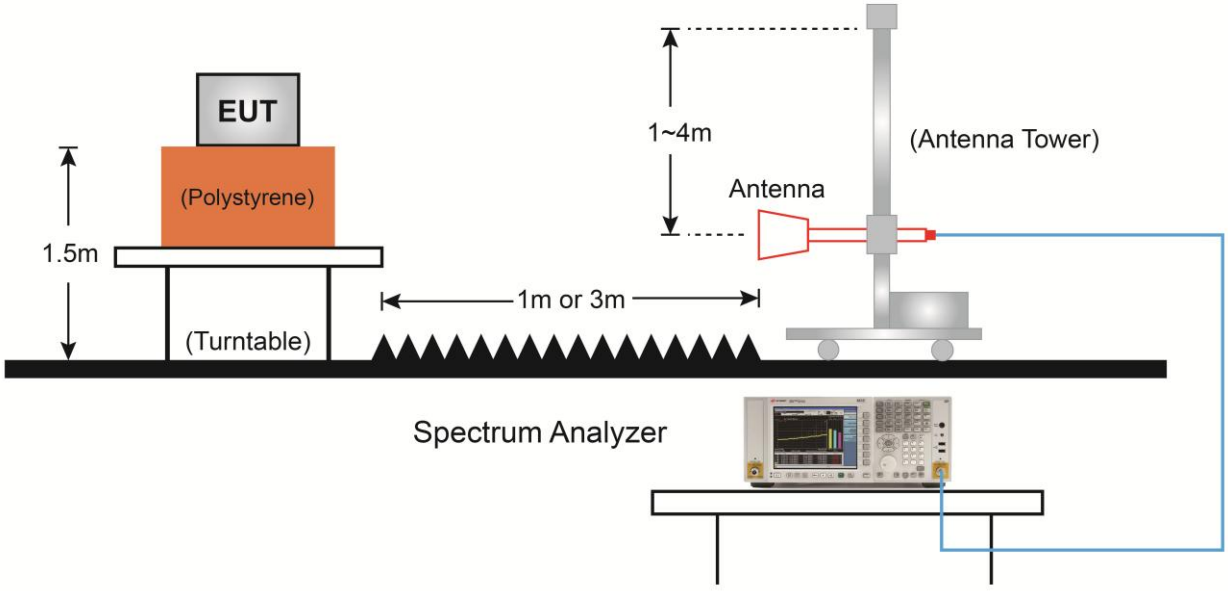
7. Trace was allowed to stabilize

7.6.4.Test Setup

Below 1GHz Test Setup:

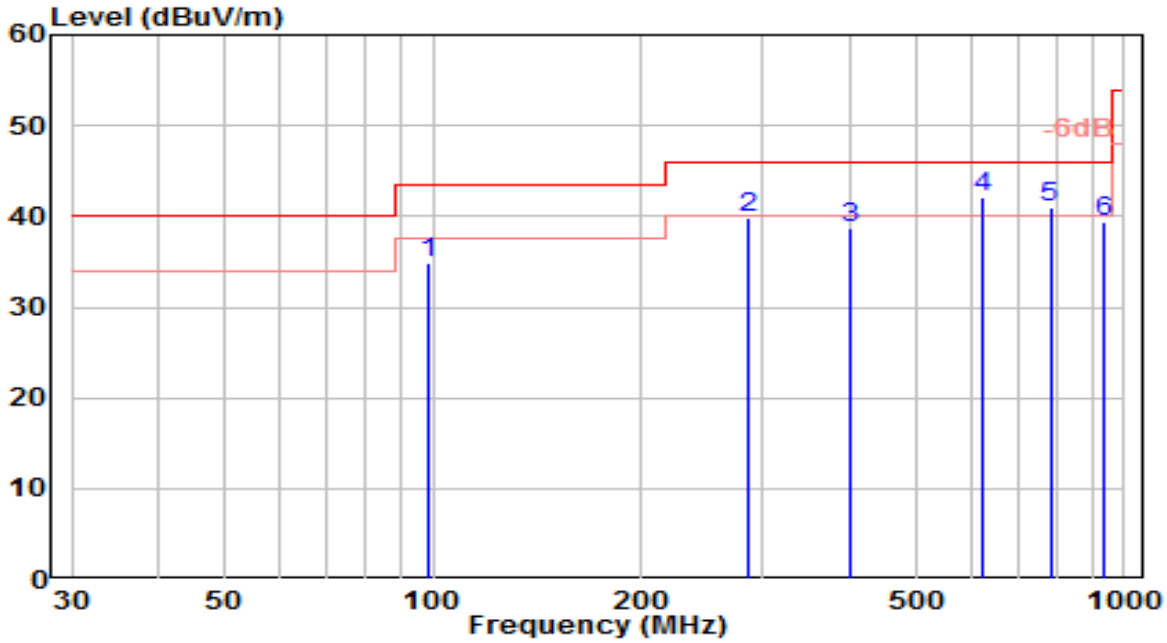


Above 1GHz Test Setup:



7.6.5.Test Result

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

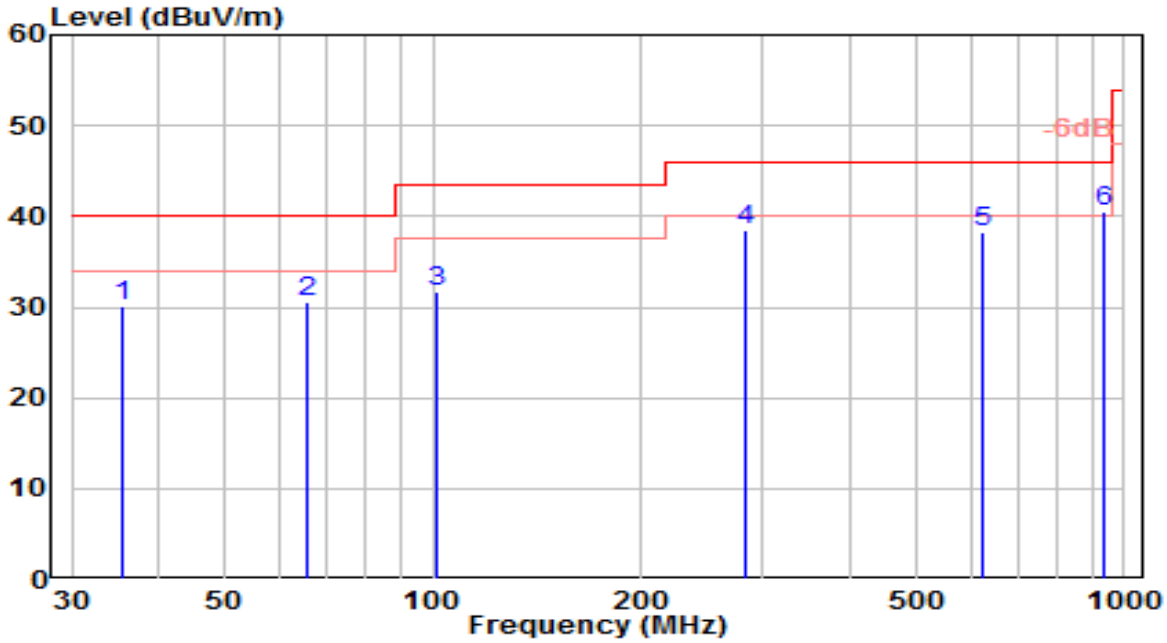


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		98.067	16.24	18.55	34.79	-8.71	43.50	150	260	QP
2		286.165	18.87	20.90	39.77	-6.23	46.00	100	295	QP
3		401.488	14.93	23.82	38.75	-7.25	46.00	100	350	QP
4	*	625.826	15.03	27.09	42.12	-3.88	46.00	150	230	QP
5		781.461	11.09	29.91	41.00	-5.00	46.00	100	50	QP
6		938.076	7.77	31.71	39.48	-6.52	46.00	150	320	QP

Note:

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

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

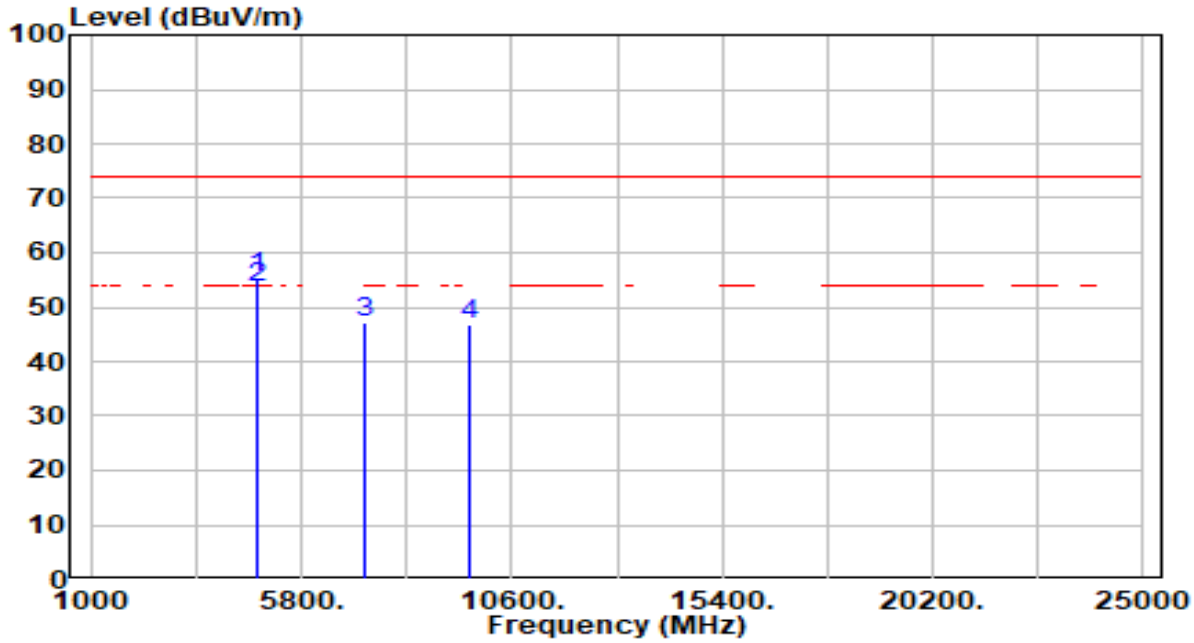


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		35.674	11.64	18.52	30.15	-9.85	40.00	100	185	QP
2		65.558	12.61	17.88	30.49	-9.51	40.00	100	210	QP
3		100.936	12.88	18.88	31.76	-11.74	43.50	100	150	QP
4		283.321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

Note:

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

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-03-31
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /59%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_Ant 0+1+2+3	Test Voltage	AC 120V/60Hz

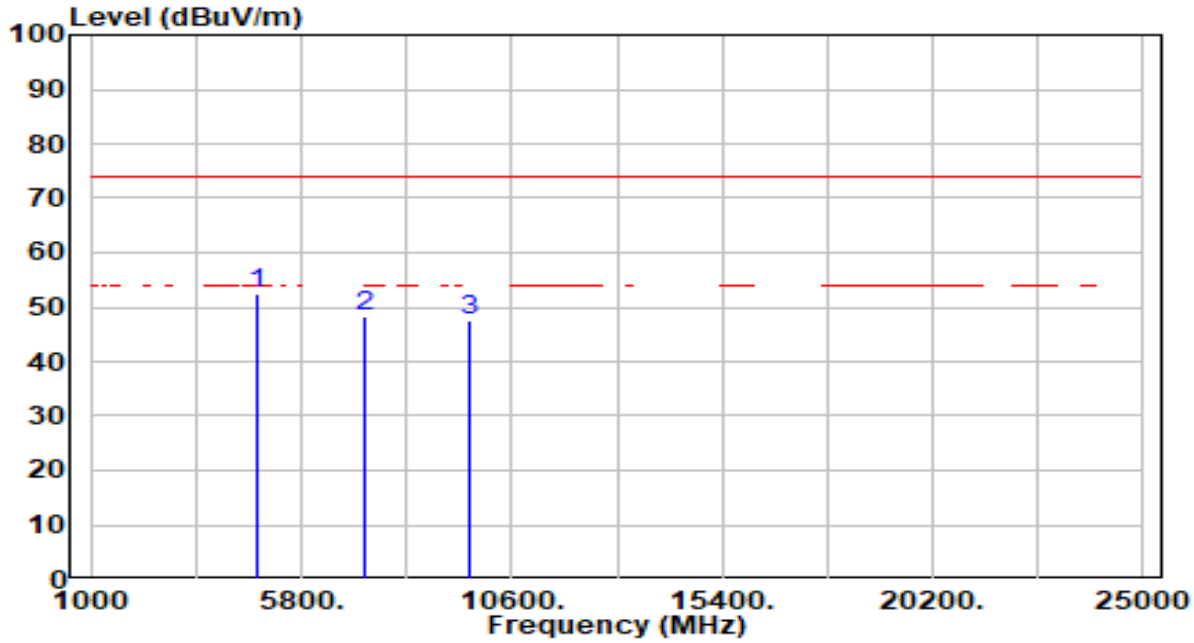


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	54.37	1.10	55.47	-18.53	74.00	247	258	Peak
2	*	4824.000	52.31	1.10	53.41	-0.59	54.00	247	258	Average
3		7236.000	39.87	7.22	47.08	-26.92	74.00	235	258	Peak
4		9648.000	40.10	6.82	46.91	-27.09	74.00	200	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).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX6000 Wi-Fi 6 SOHO Router	Date of Test	2025-03-31
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /59%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_Ant 0+1+2+3	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	51.37	1.10	52.48	-21.52	74.00	200	71	Peak
2		7236.000	41.13	7.22	48.34	-25.66	74.00	200	360	Peak
3		9648.000	40.81	6.82	47.62	-26.38	74.00	100	207	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.