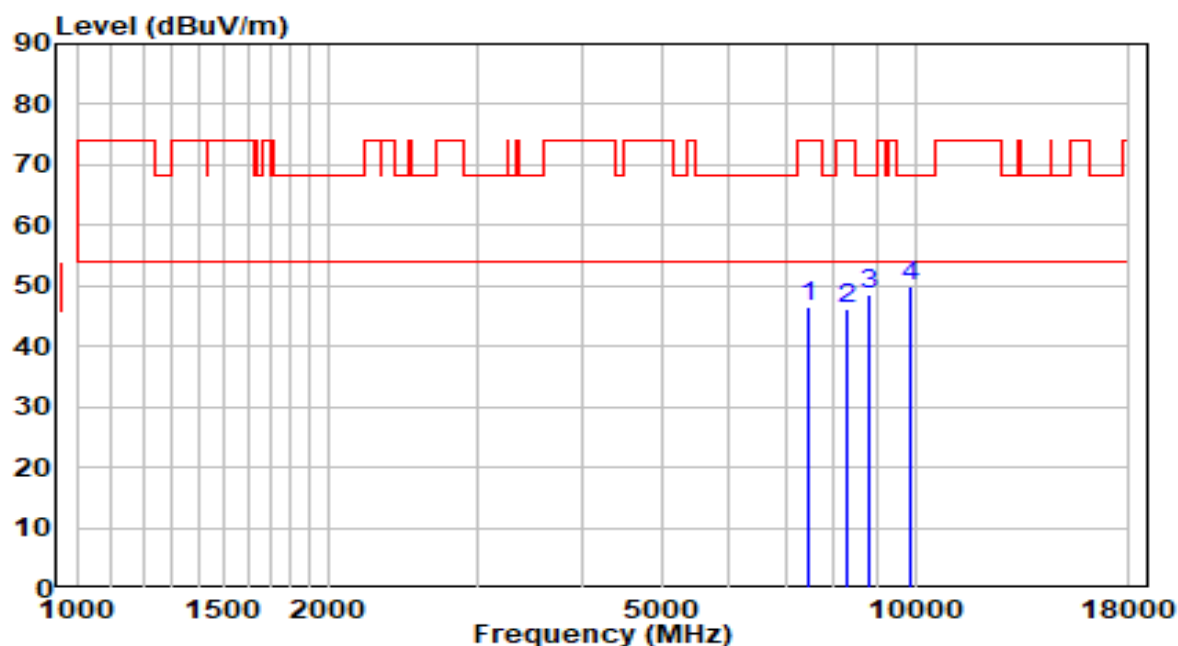


EUT	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-08-06
Factor	BBHA 9120D	Temp. / Humidity	25.0°C/46.4%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5290MHz - Beamforming Mode	Test Voltage	110V/60Hz

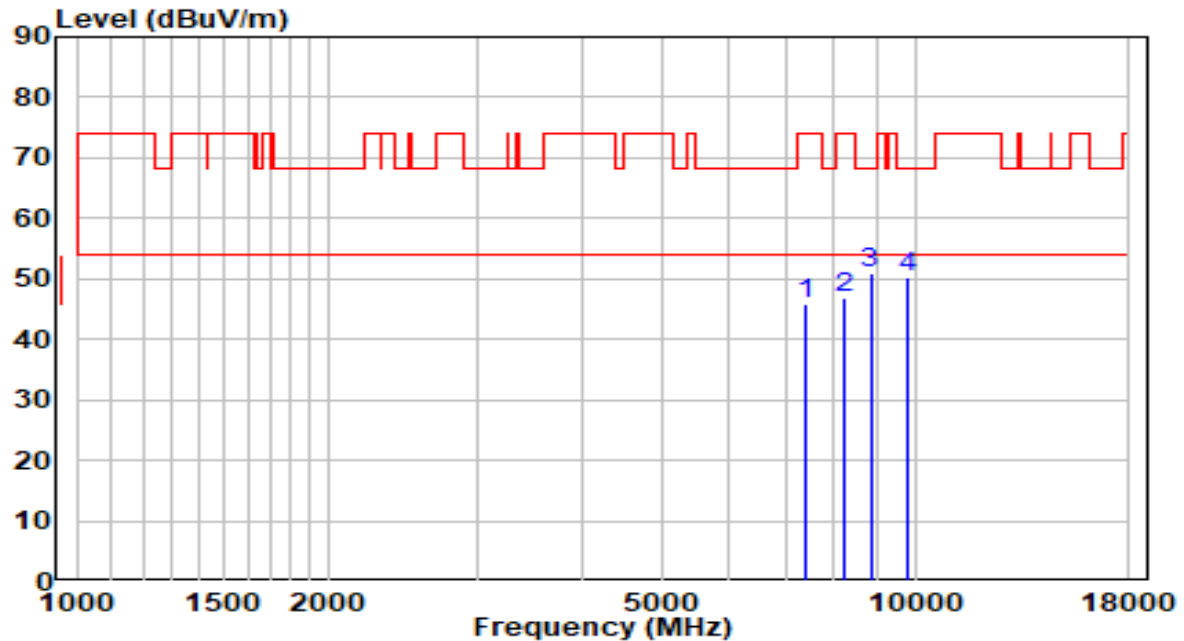


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7485.500	34.83	11.67	46.50	-27.50	74.00	Peak
2	8310.000	33.84	12.48	46.32	-27.68	74.00	Peak
3	8828.500	35.23	13.26	48.49	-19.71	68.20	Peak
4	* 9882.500	34.63	15.14	49.77	-18.43	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-08-06
Factor	BBHA 9120D	Temp. / Humidity	25.0°C/46.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5290MHz - Beamforming Mode	Test Voltage	110V/60Hz

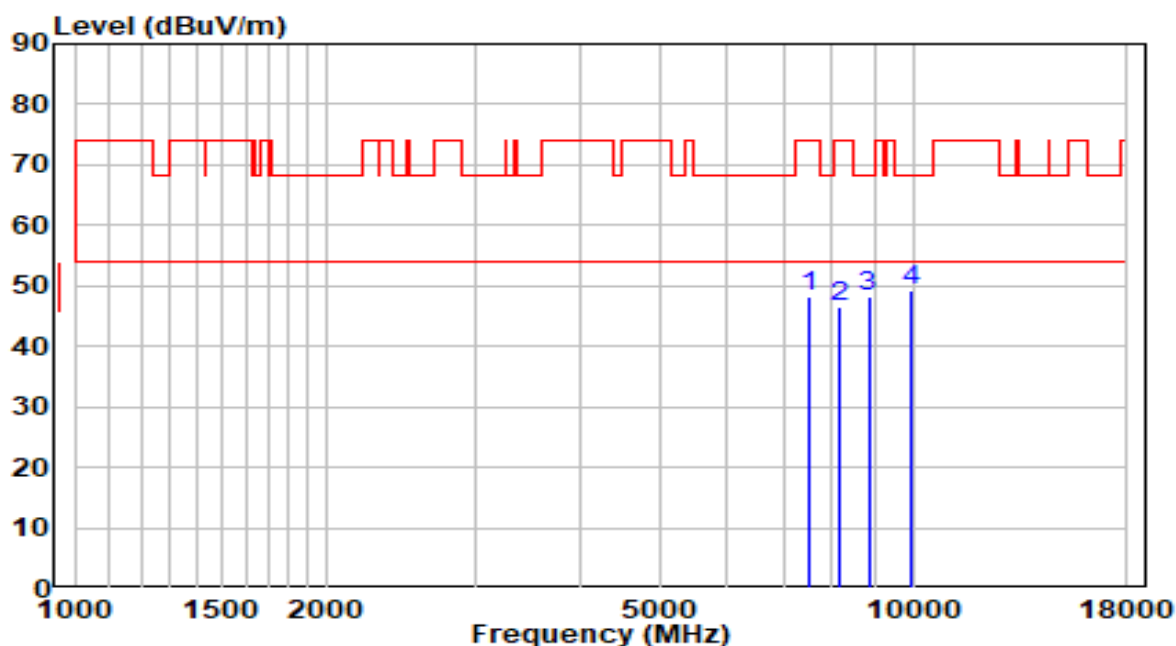


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7426.000	34.20	11.51	45.71	-28.29	74.00	Peak
2	8225.000	34.50	12.50	47.00	-27.00	74.00	Peak
3	* 8845.500	37.62	13.30	50.92	-17.28	68.20	Peak
4	9814.500	35.26	15.01	50.27	-17.93	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-08-06
Factor	BBHA 9120D	Temp. / Humidity	25.0°C/46.4%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5530MHz - Beamforming Mode	Test Voltage	110V/60Hz

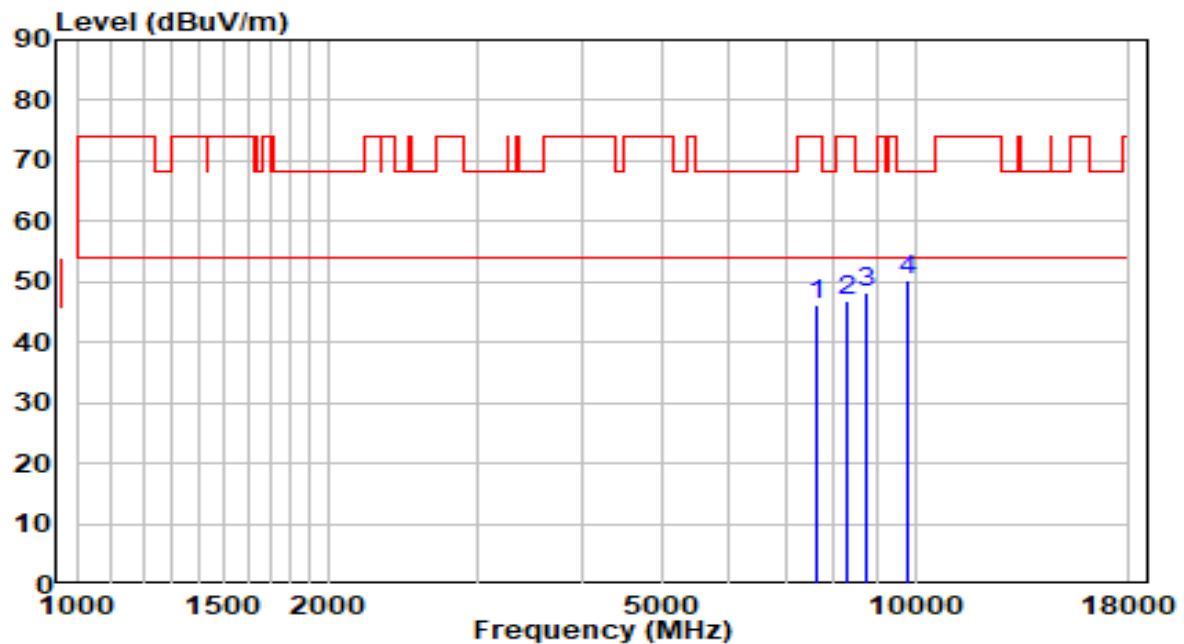


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7519.500	45.68	2.42	48.09	-25.91	74.00	Peak
2	8157.000	43.91	2.71	46.61	-27.39	74.00	Peak
3	8845.500	44.95	3.19	48.14	-20.06	68.20	Peak
4	* 9959.000	44.51	4.64	49.16	-19.04	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-08-06
Factor	BBHA 9120D	Temp. / Humidity	25.0°C/46.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5530MHz - Beamforming Mode	Test Voltage	110V/60Hz

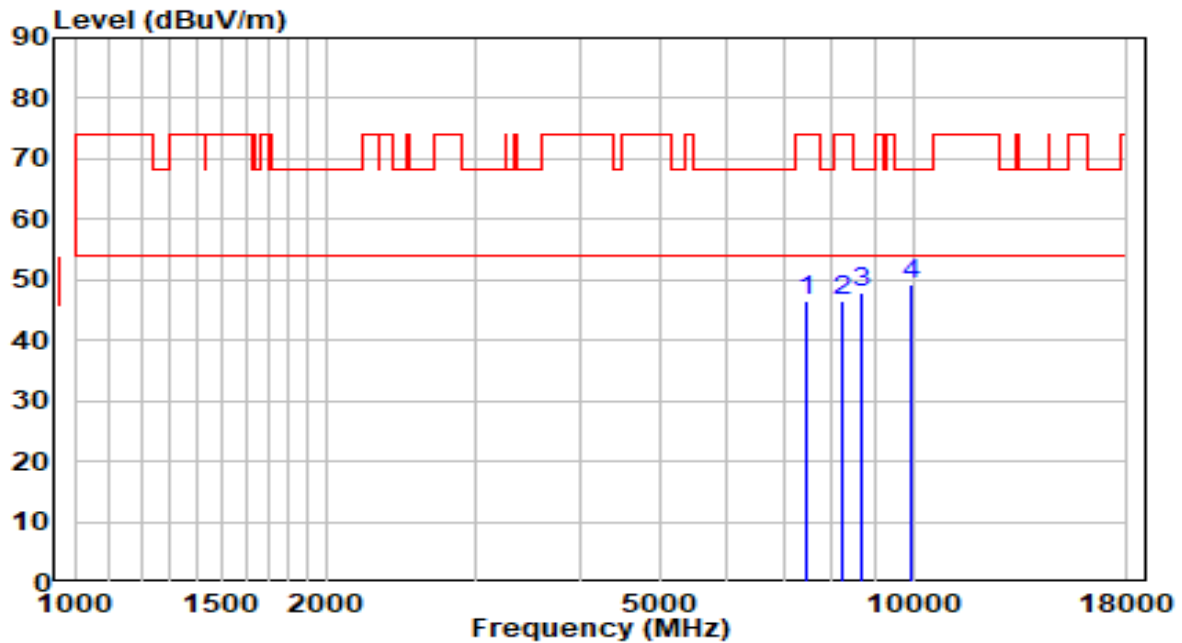


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7613.000	34.15	11.90	46.04	-27.96	74.00	Peak
2	8276.000	34.53	12.49	47.02	-26.98	74.00	Peak
3	8735.000	35.31	13.03	48.34	-19.86	68.20	Peak
4	* 9797.500	35.44	14.98	50.42	-17.78	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-08-06
Factor	BBHA 9120D	Temp. / Humidity	25.0°C/46.4%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5690MHz - Beamforming Mode	Test Voltage	110V/60Hz

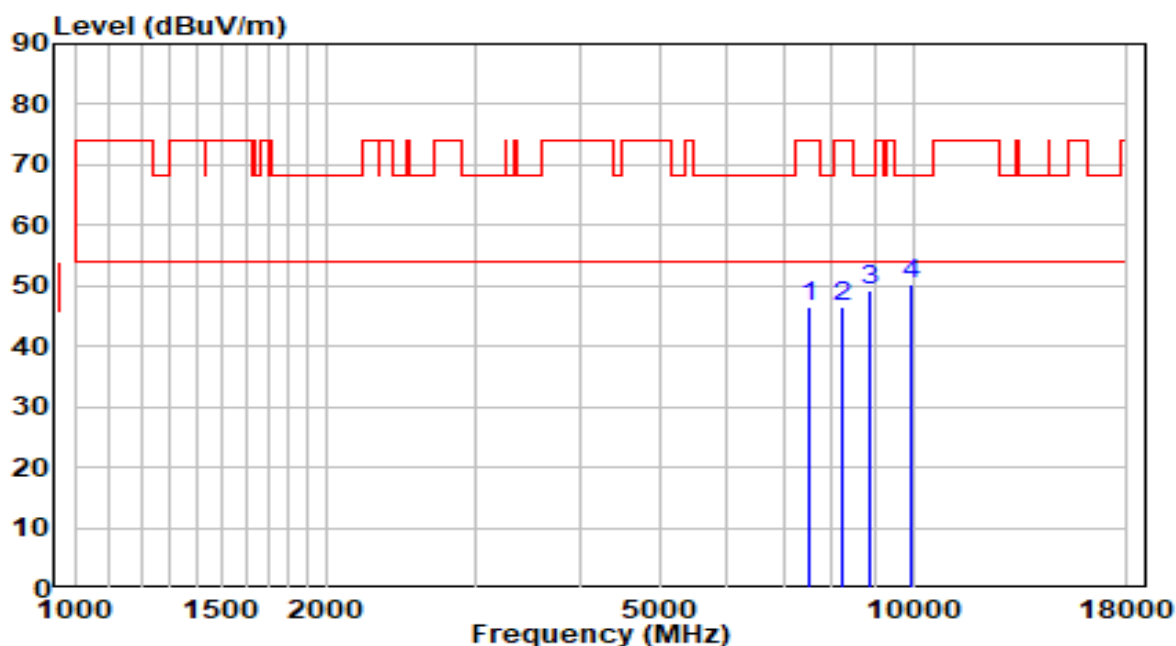


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7460.000	34.92	11.60	46.52	-27.48	74.00	Peak
2	8259.000	34.16	12.49	46.65	-27.35	74.00	Peak
3	8650.000	35.03	12.82	47.85	-20.35	68.20	Peak
4	* 9942.000	33.89	15.25	49.14	-19.06	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-08-06
Factor	BBHA 9120D	Temp. / Humidity	25.0°C/46.4%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5690MHz - Beamforming Mode	Test Voltage	110V/60Hz

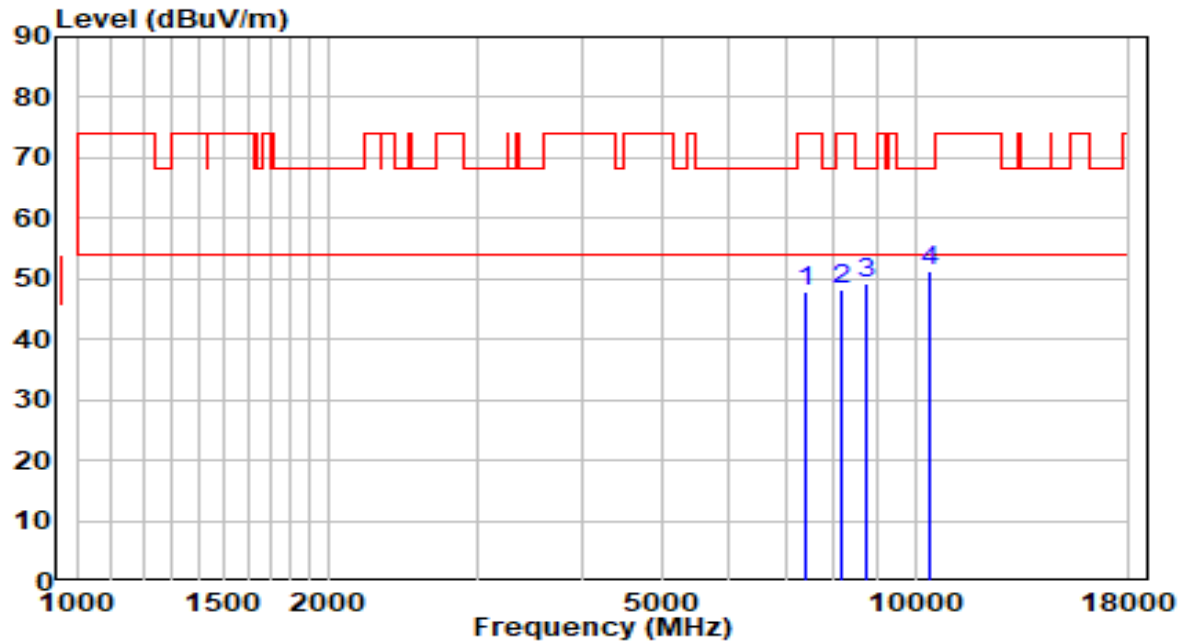


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7511.000	34.95	11.73	46.69	-27.31	74.00	Peak
2	8233.500	33.99	12.49	46.49	-27.51	74.00	Peak
3	8871.000	36.03	13.36	49.40	-18.80	68.20	Peak
4	* 9925.000	35.05	15.22	50.27	-17.93	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-07-22
Factor	BBHA 9120D	Temp. / Humidity	26.2°C/57.5%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5775MHz - Beamforming Mode	Test Voltage	110V/60Hz

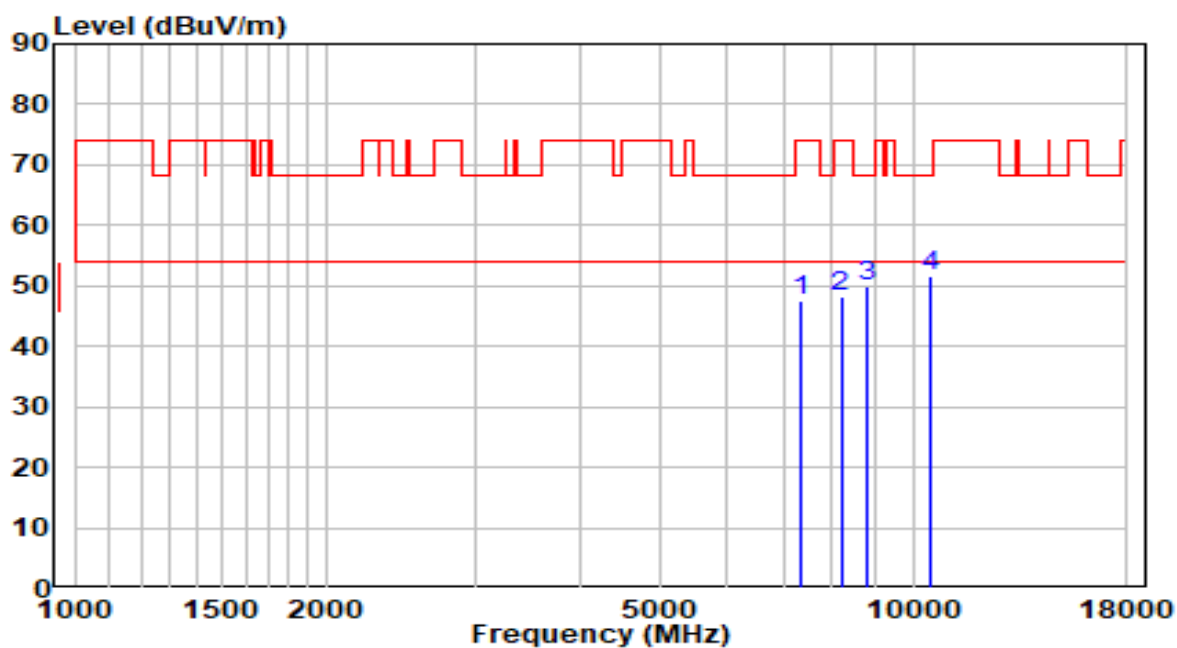


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7400.500	36.36	11.43	47.80	-26.20	74.00	Peak
2	8191.000	35.68	12.50	48.18	-25.82	74.00	Peak
3	8769.000	36.20	13.11	49.32	-18.88	68.20	Peak
4	* 10435.000	34.43	16.85	51.28	-16.92	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-07-22
Factor	BBHA 9120D	Temp. / Humidity	26.2°C/57.5%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE80 at Channel 5775MHz - Beamforming Mode	Test Voltage	110V/60Hz

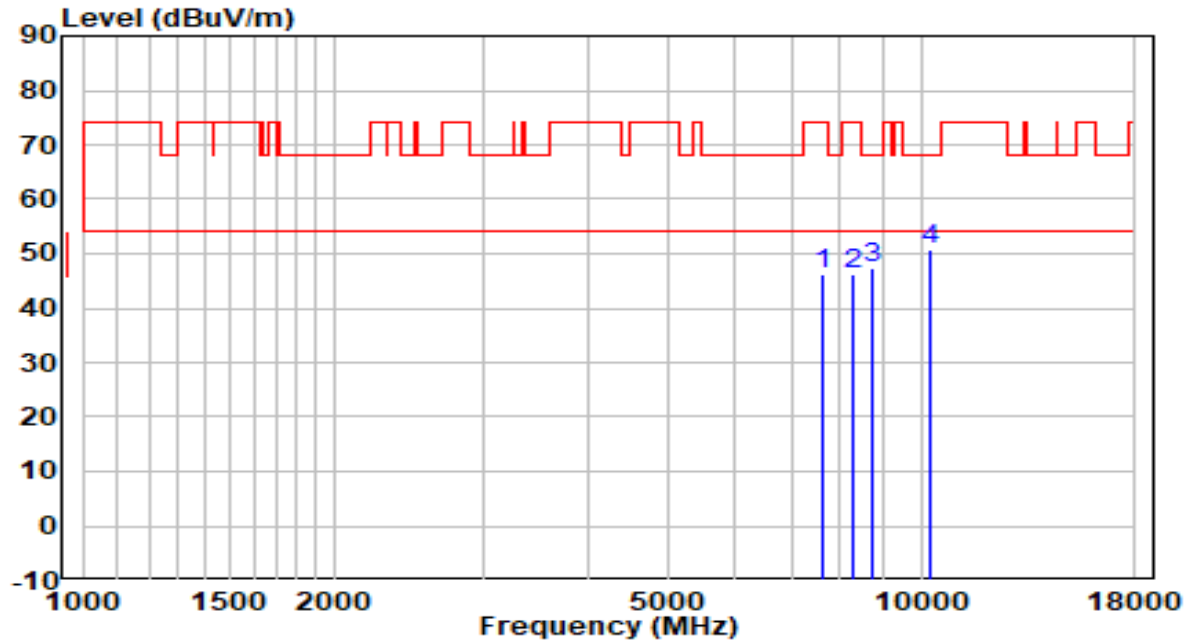


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7349.500	36.22	11.29	47.51	-26.49	74.00	Peak
2	8199.500	35.75	12.50	48.25	-25.75	74.00	Peak
3	8803.000	36.65	13.20	49.85	-18.35	68.20	Peak
4	* 10486.000	34.74	17.02	51.77	-16.43	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-12-31
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/17%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Receive by 802.11a at Channel 5500MHz	Test Voltage	110V/60Hz

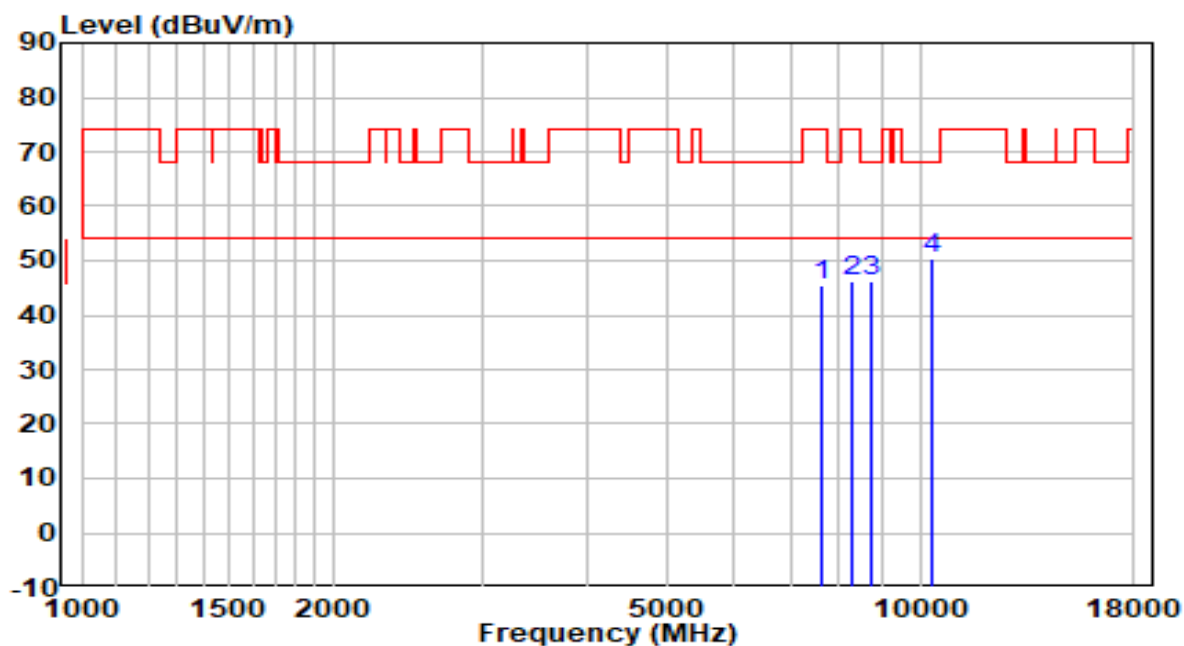


No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	7604.500	34.44	11.89	46.32	-27.68	74.00	Peak
2	8276.000	33.89	12.49	46.38	-27.62	74.00	Peak
3	8718.000	34.30	12.99	47.29	-20.91	68.20	Peak
4	* 10265.000	34.45	16.27	50.71	-17.49	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-12-31
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/17%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Receive by 802.11a at Channel 5500MHz	Test Voltage	110V/60Hz



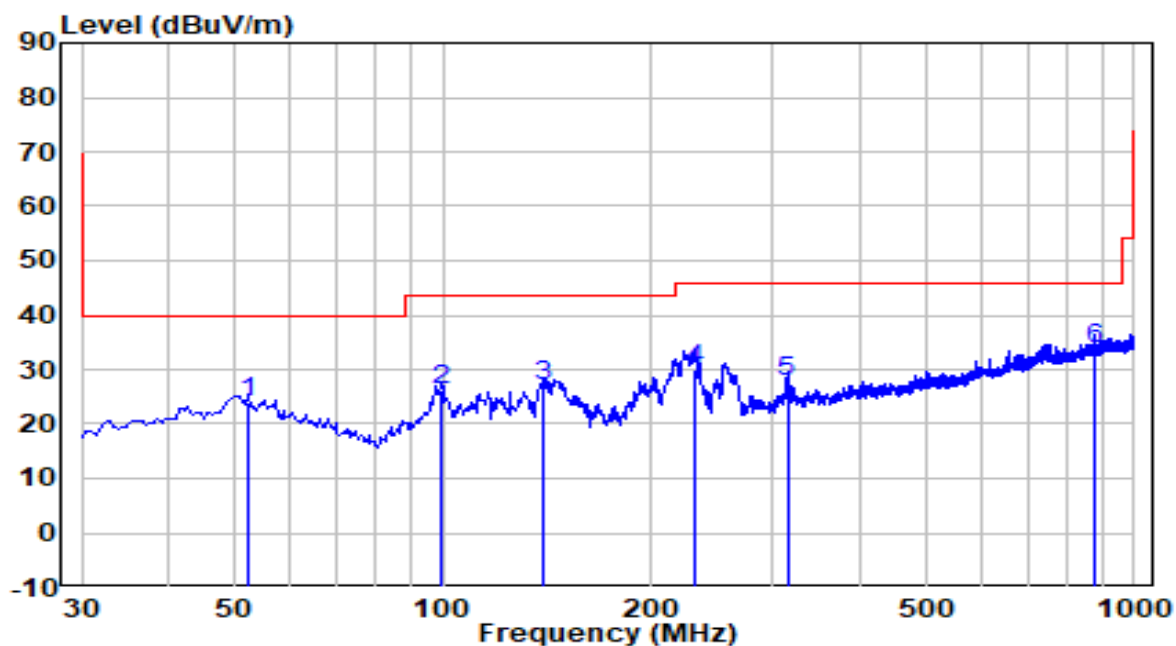
No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	7647.000	33.40	11.95	45.36	-28.64	74.00	Peak
2	8267.500	33.74	12.49	46.23	-27.77	74.00	Peak
3	8752.000	33.19	13.07	46.26	-21.94	68.20	Peak
4	* 10299.000	34.16	16.38	50.54	-17.66	68.20	Peak

Note:

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

The Worst Case of Radiated Emission below 1GHz:

EUT	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-12-31
Factor	VULB 9162	Temp. / Humidity	25°C /54%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Worse mode- 802.11a at Channel 5500MHz	Test Voltage	110V/60Hz

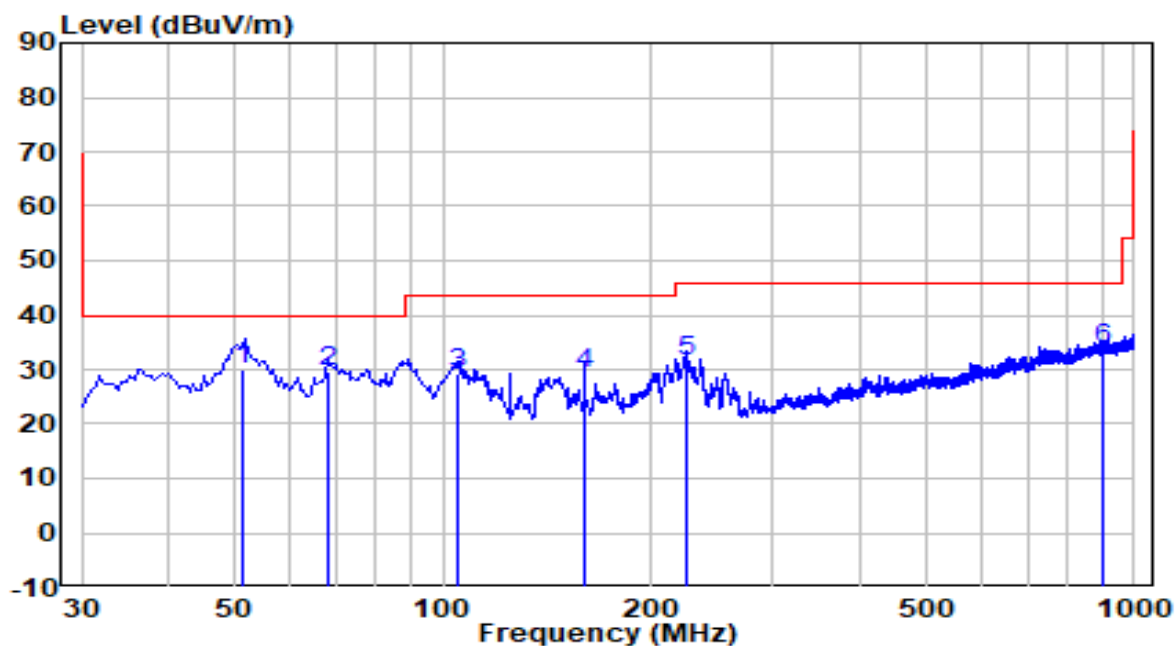


No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	52.310	2.18	21.62	23.80	-16.20	40.00	QP
2	99.355	7.03	19.03	26.06	-17.44	43.50	QP
3	139.610	11.02	16.04	27.06	-16.44	43.50	QP
4	231.760	10.28	19.76	30.04	-15.96	46.00	QP
5	314.695	5.62	22.01	27.63	-18.37	46.00	QP
6	* 874.870	2.19	31.63	33.82	-12.18	46.00	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	AX1800 Wi-Fi 6 訊號延伸器	Date of Test	2020-12-31
Factor	VULB 9162	Temp. / Humidity	25°C /54%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Worse mode- 802.11a at Channel 5500MHz	Test Voltage	110V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	51.240	8.00	21.82	29.82	-10.18	40.00	QP
2		68.315	12.03	17.52	29.55	-10.45	40.00	QP
3		105.175	10.17	18.94	29.11	-14.39	43.50	QP
4		159.980	12.88	16.32	29.20	-14.30	43.50	QP
5		225.455	12.03	19.46	31.49	-14.51	46.00	QP
6		904.455	1.98	31.80	33.78	-12.22	46.00	QP

Note:

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

5.9. 頻率穩定性

5.9.1. 適用標準

無線資訊傳輸設備的製造廠商應確保頻率穩定性，如依製造廠商使用手冊上所述正常操作，發射的信號應維持於操作頻帶中。

5.9.2. 量測方法

(一) 測量對溫度之頻率穩定性

1. 將未供電之受測物置於環境溫櫃中，供應受測物標稱之交流電源或使用全新或充電完全之電池。若可行，則將天線連接至受測物之天線輸出接頭。使用假性負載會影響受測物之輸出頻率。若受測物具備或使用長度可調整式之天線，應使其完全伸出。

2. 供應受測物標稱之交流電源或裝入全新或完全充電之電池於受測物。啟動受測物並耦合其輸出至計頻器或其他具足夠精度之頻率量測裝置，依受測物所必須符合的頻率差度衡量。

註：位此量測目的，可將測量天線近置於受測物（例如離 15cm）而以適當長度之同軸纜線連接至測量儀器。

諧調受測物至任何指定之頻率，調整測量天線之位置及測量儀器上之控制，以獲得合適之信號位準，以避免測量儀器過載而又有足夠強度測量受測物操作或主波頻率之位準。

3. 關閉受測物且置之於環境溫櫃中，設定至適用規範指定之最高溫度。對正常為持續操作之裝置，當置於溫櫃中時可使受測物運作。對具備震盪器加熱器之裝置，當置於溫櫃中時只可使加熱器線路運作。

4. 使溫櫃之溫度有足夠時間達到穩定，當溫櫃內維持在一定溫度時，啟動受測物，並於開始時、以及啟動後第 2 分鐘、第 5 分鐘與第 10 分鐘測量受測物之操作頻率，共作四次測量。

5. 若只有單一操作頻率須測量，請進行步驟(6)，否則關閉受測物且使其有足夠時間以回穩在環境溫度，將受測物連續設定於其他新增的操作頻率以重複步驟(4)。

6. 重複步驟(4)與(5) 但溫櫃設定至適用章節規定之最低溫度。在進行此測量之前須確定使溫櫃到達穩定。

(二) 測量對輸入電壓之頻率穩定性

1. 本測量可在環境室溫為+15 到+25 oC 範圍內進行，或者使用環境溫櫃設定為+20°C 。若可能的話，則將天線連接至受測物之天線輸出接頭，以避免假性負載影響受測物之輸出頻率。若受測物具備或使用長度可調整式之天線，應使其完全伸出。

2. 供應受測物標稱之交流電源或使用全新或充電完全之電池。啟動受測物並耦合其輸出至計頻器或其他具足夠精度之頻率量測裝置，依受測物所必須符合的頻率差度衡量。

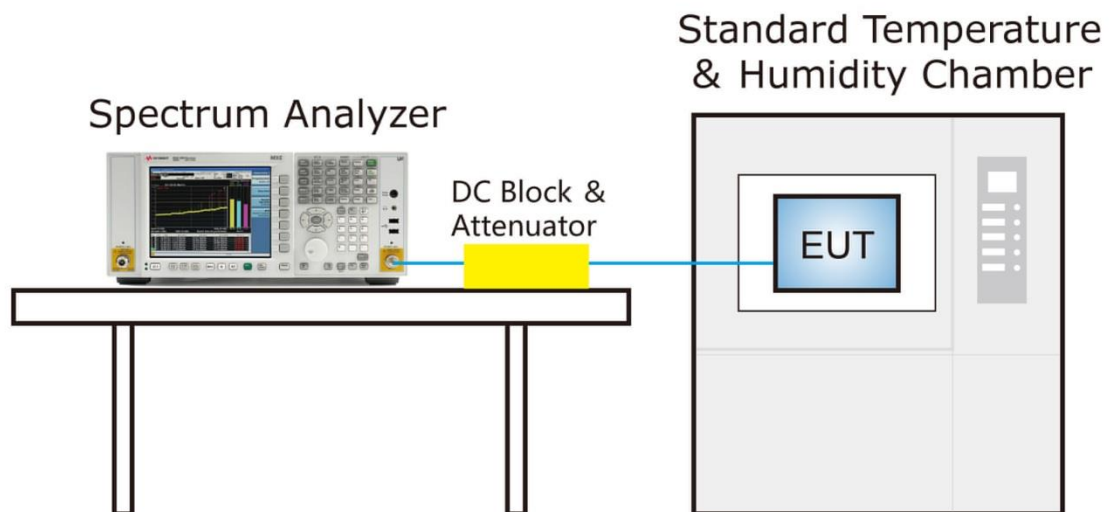
註：為達量測目的，可將測量天線近置於受測物（例如離 15cm）而以適當長度之同軸纜線連接至測量儀器。

3. 諧調受測物至任何規定之頻率，調整測量天線之位置及測量儀器上之控制以獲得合適之信號位準，以避免測量儀器過載而又有足夠強度測量受測物操作或主波頻率之位準。關閉受測物，而若有需要置之於環境溫櫃中，在繼續進行之前使溫櫃穩定在+20°C，約須 30 分鐘。啟動受測物並於開始時、以及啟動後第 2 分鐘、第 5 分鐘與第 10 分鐘測量受測物之操作頻率，共作四次測量。

4. 若只有單一操作頻率須測量，請進行步驟(5)，否則關閉受測物且使其有足夠時間以回穩在環境溫度，將受測物連續設定於其他新增的操作頻率以重複步驟(3)。

5. 若受測物由交流電力線供電，供應其 85%的標稱交流電壓並重複步驟(3)與(4)。若受測物由電池供電，供應其標稱最低工作電壓。
6. 若受測物由交流電力線電，供應其 115%的標稱交流電壓並重複步驟(3)與(4)。

5.9.3. 測試架構圖



5.9.4. 頻率穩定性測試結果

待測物名稱	AX1800 Wi-Fi 6 訊號延伸器	溫度	24.6°C
測試工程師	Eric Lin	濕度	55%RH
測試場地	SR2	測試时间	2020/07/13
测试模式	5180MHz (Carrier Mode)		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100	110	- 30	0.510
		- 20	0.149
		- 10	0.795
		0	-0.146
		+ 10	0.526
		+ 20 (Ref)	0.329
		+ 30	0.493
		+ 40	0.268
		+ 50	0.356
115	126.5	+ 20	0.431
85	93.5	+ 20	0.644

The End