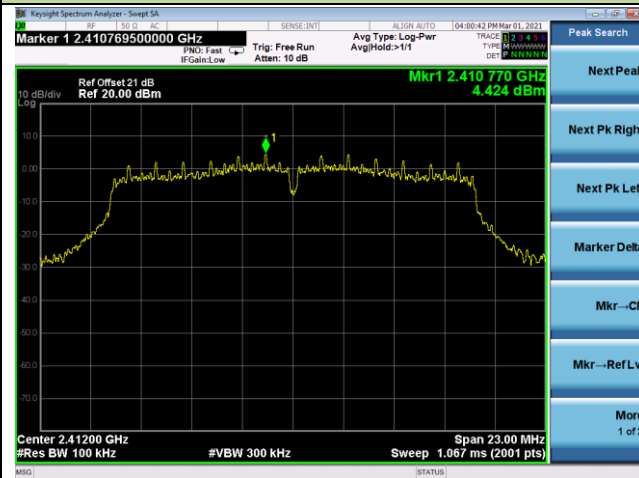


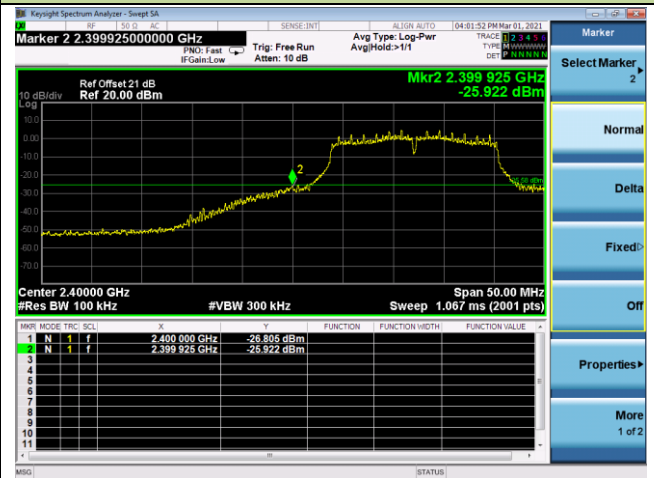
802.11g Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

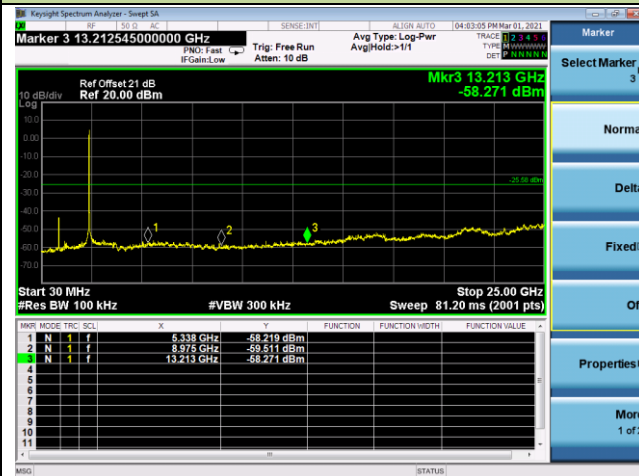
100kHz PSD reference Level



Low Band Edge

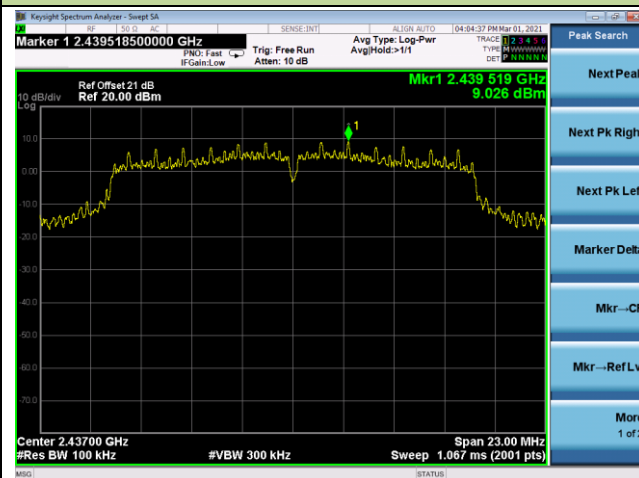


Spurious Emission

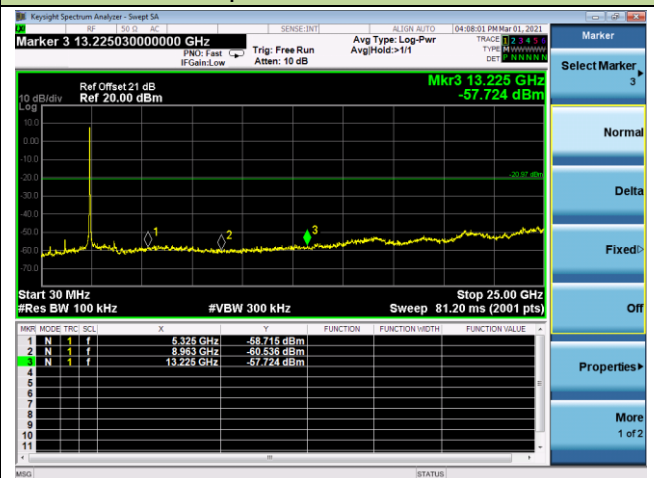


Channel 06 (2437MHz)

100kHz PSD reference Level



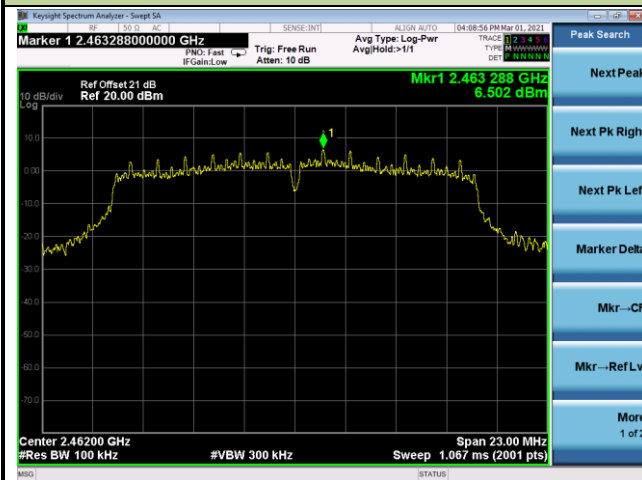
Spurious Emission



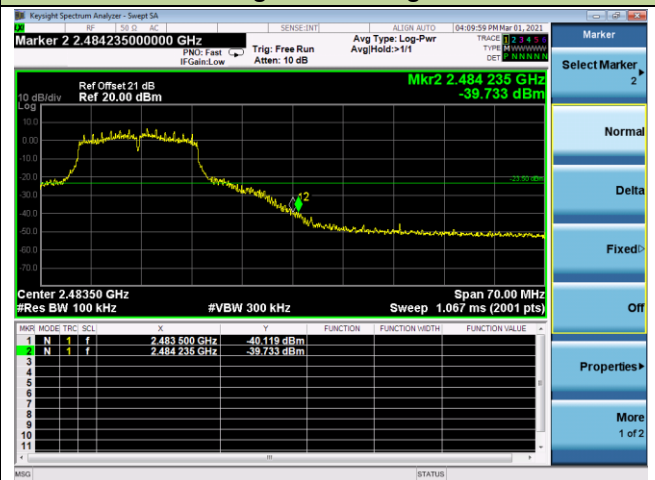
802.11g Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 11 (2462MHz)

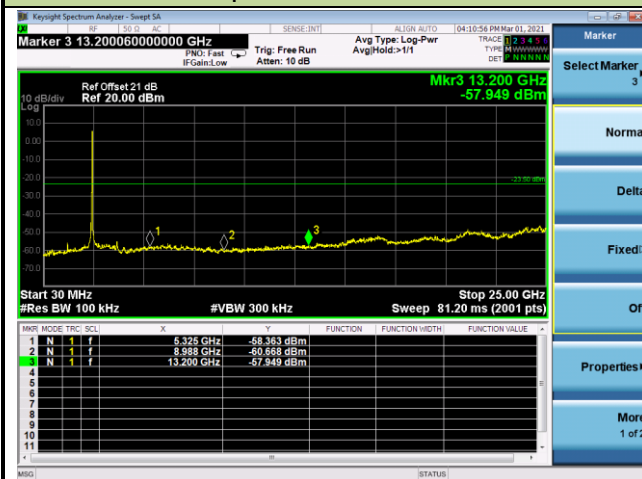
100kHz PSD reference Level



High Band Edge



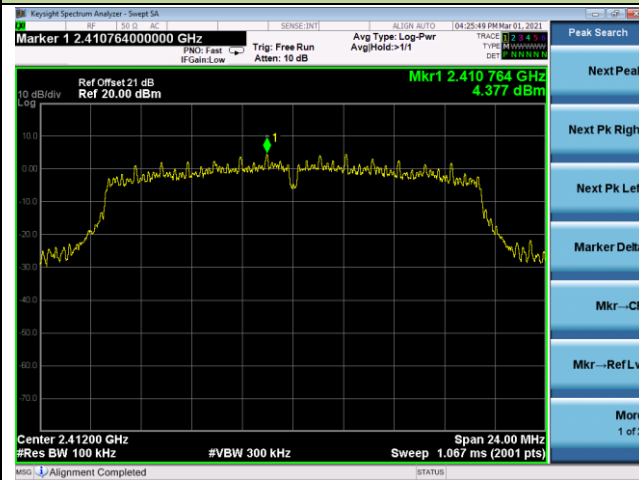
Spurious Emission



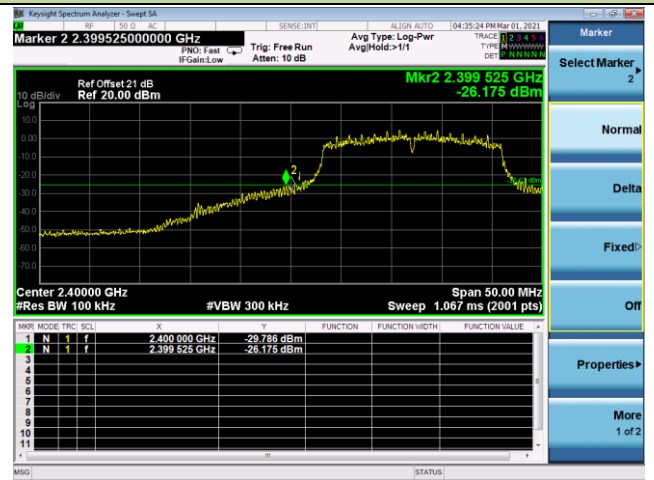
802.11n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

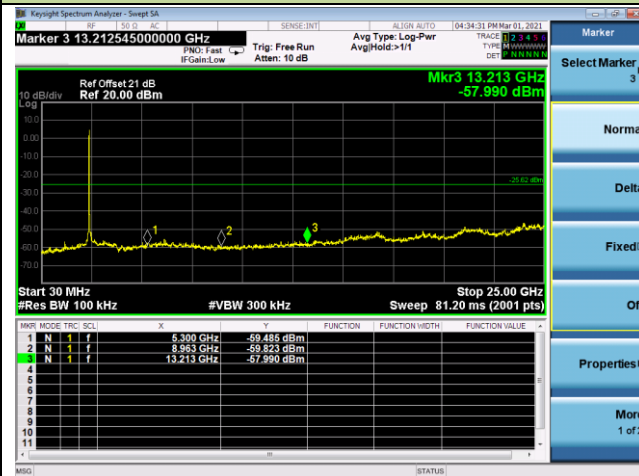
100kHz PSD reference Level



Low Band Edge

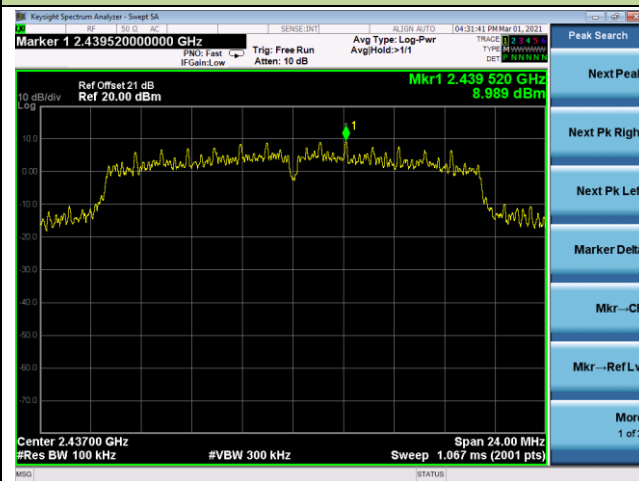


Spurious Emission

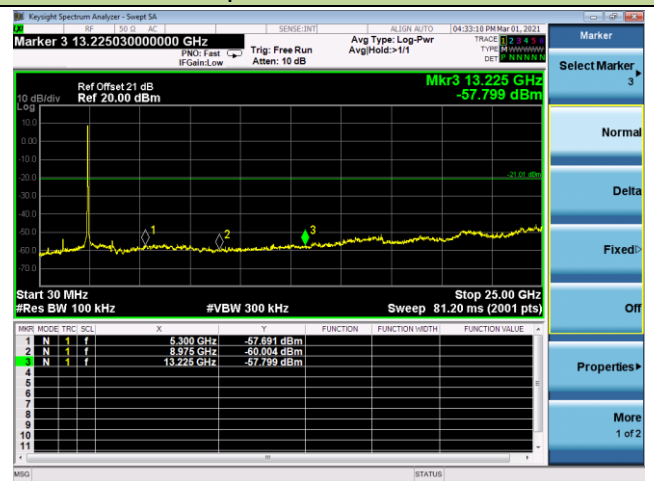


Channel 06 (2437MHz)

100kHz PSD reference Level



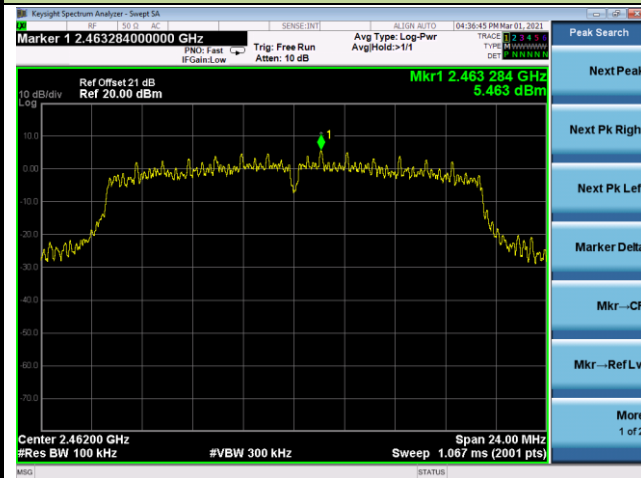
Spurious Emission



802.11 n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 11 (2462MHz)

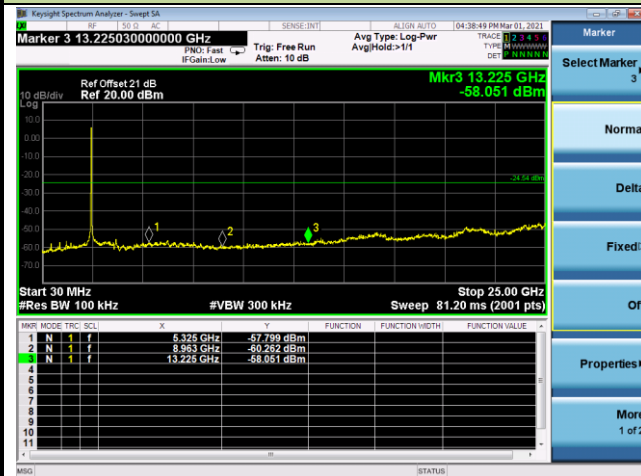
100kHz PSD reference Level



High Band Edge



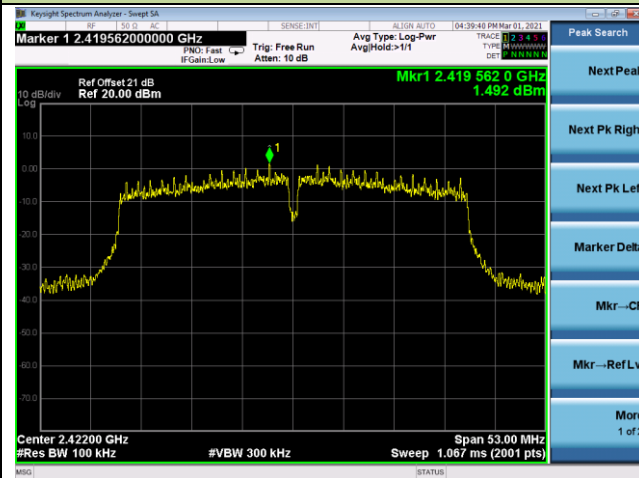
Spurious Emission



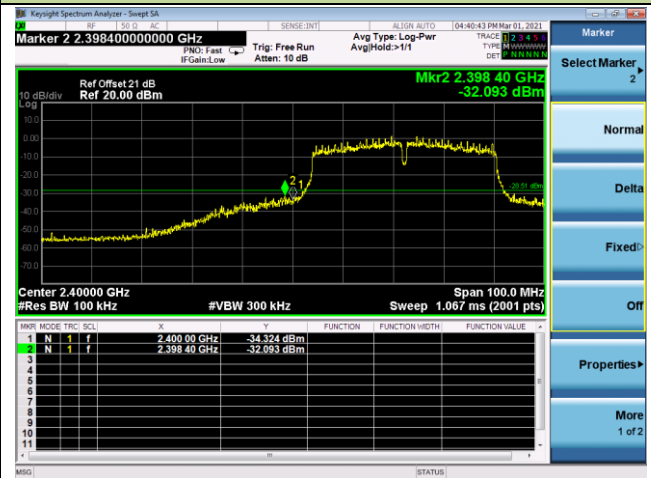
802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 03 (2422MHz)

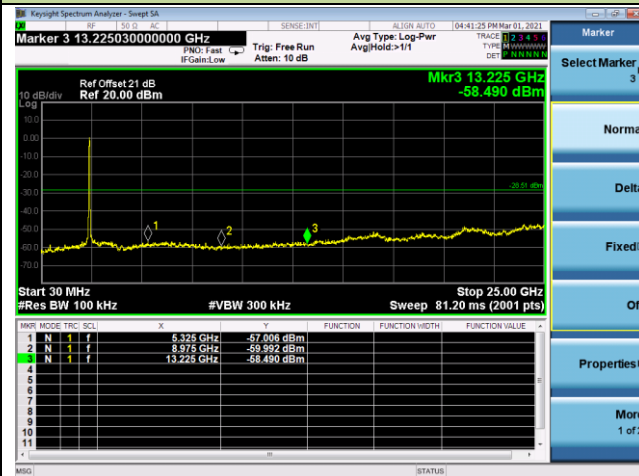
100kHz PSD reference Level



Low Band Edge

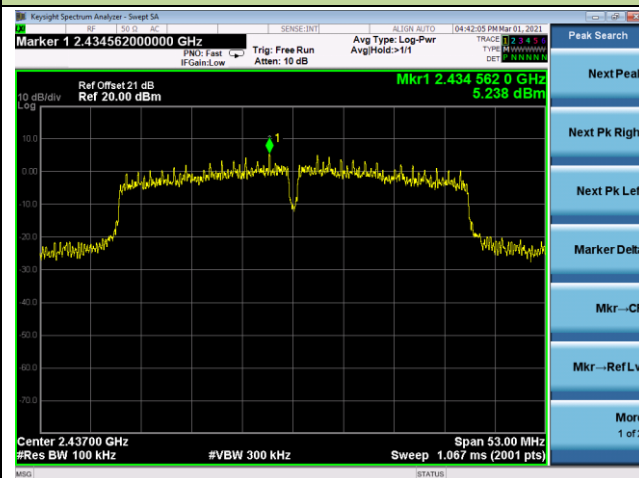


Spurious Emission

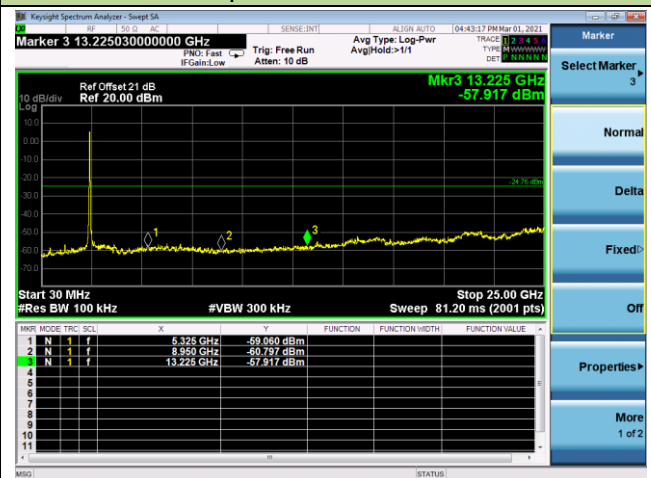


Channel 06 (2437MHz)

100kHz PSD reference Level



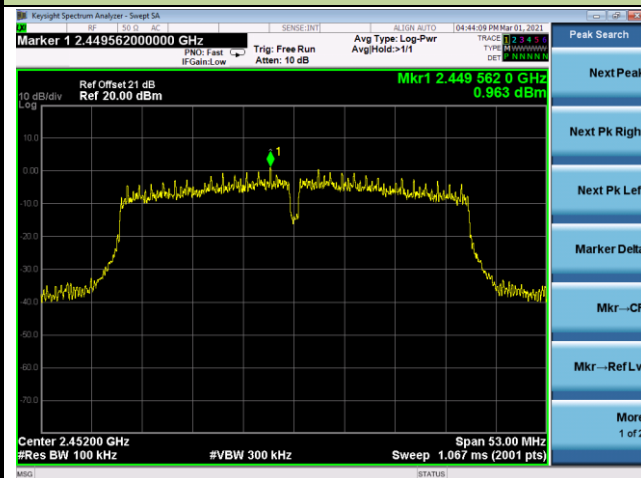
Spurious Emission



802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 09 (2452MHz)

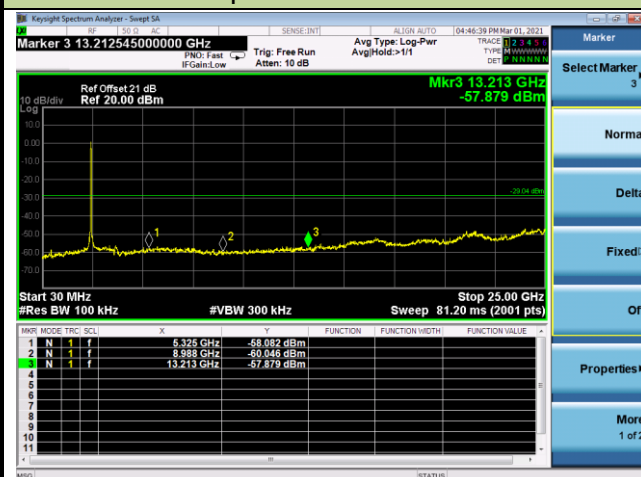
100kHz PSD reference Level



High Band Edge



Spurious Emission



5.6. 開放頻帶邊緣之不必要幅射要求

5.6.1. 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範之第 4.10.1.5 節，使用頻帶範圍外之任意 100 千赫 (kHz) 內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz) 內的射頻功率，衰減值限制如下：

(1) 輸出功率以低功率射頻器材技術規範附件二之峰值輸出功率方式量測者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。

(2) 輸出功率以低功率射頻器材技術規範 4.10.1(2)(2.3) 之最大傳導輸出功率量測方式者，至少須衰減 30 dB。

此外，落於第 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定(限制要求如下)：

發射依據國家通訊傳播委員會低功率射頻器材技術規範之第 3.6 節，低功率射頻器材，除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

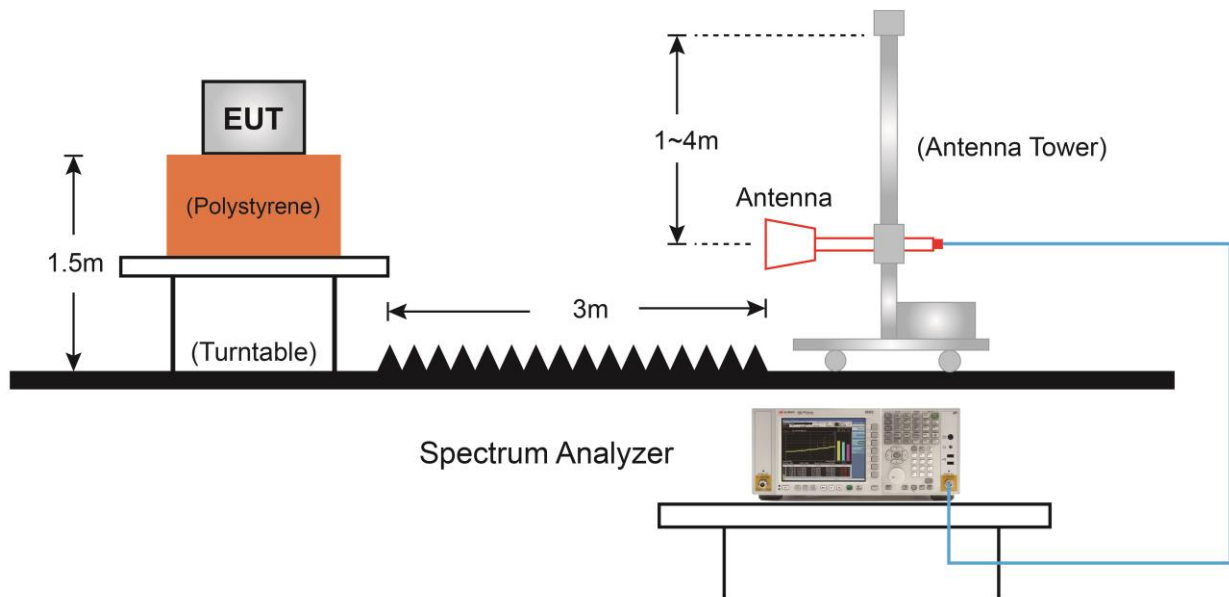
頻率(f) (MHz)	電場強度 (微伏特/公尺, $\mu\text{V/m}$)	測距 (公尺)
$0.009 \leq f \leq 0.490$	$2400/f(\text{kHz})$	300
$0.490 < f \leq 1.705$	$24000/f(\text{kHz})$	30
$1.705 < f < 30$	30	30
$30 \leq f \leq 88$	100	3
$88 < f \leq 216$	150	3
$216 < f \leq 960$	200	3
$960 < f$	500	3

上表規定之電場強度，發射頻率在 9 kHz~90 kHz、110 kHz~490 kHz 及 1000MHz 以上者，其量測應以平均值檢波器為基準，且須符合低功率射頻器材技術規範第 6.14.節之規定；其他發射頻率，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時，應符合第 6.5 節之規定，而輻射發射之量測頻率範圍須符合低功率射頻器材技術規範第 6.12 節之規定。

5.6.2. 量測方法

待測物置於高 80 公分之非導體桌面（落地型產品置於地上），受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度。接收天線並應於水準及垂直極化方向各量測一次。

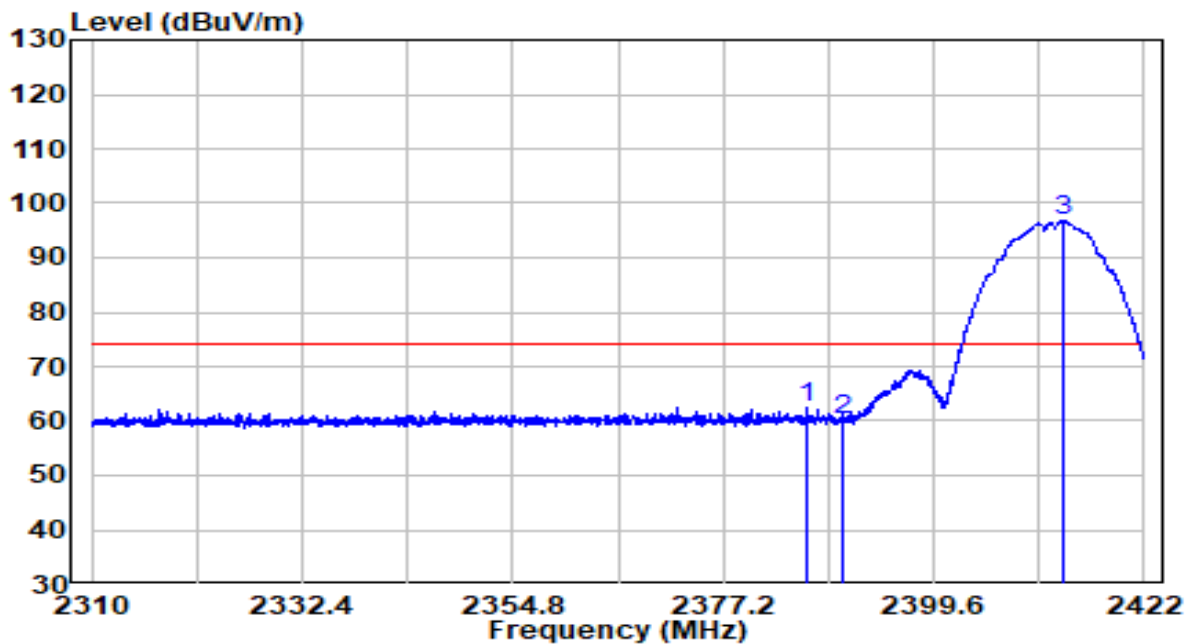
5.6.3. 測試架構圖



備 註: 使用頻率範圍外之任意 100 千赫雜訊, 使用輻射方式測量, 6 dB 頻寬使用 1MHz 遠大於 100kHz 仍可 PASS, 檢附其測試數據。

5.6.4. 測試結果

EUT	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

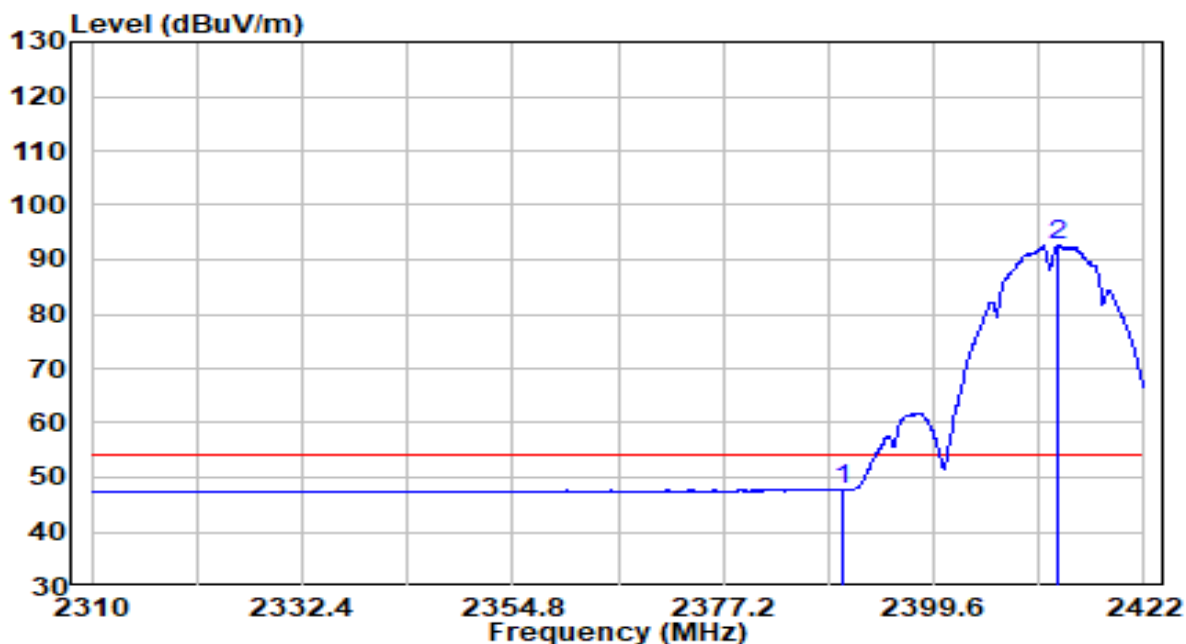


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2386.048	30.12	32.28	62.40	-11.60	74.00	Peak
2	2390.000	27.73	32.30	60.03	-13.97	74.00	Peak
3	* 2413.376	64.37	32.40	96.77	N/A	N/A	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

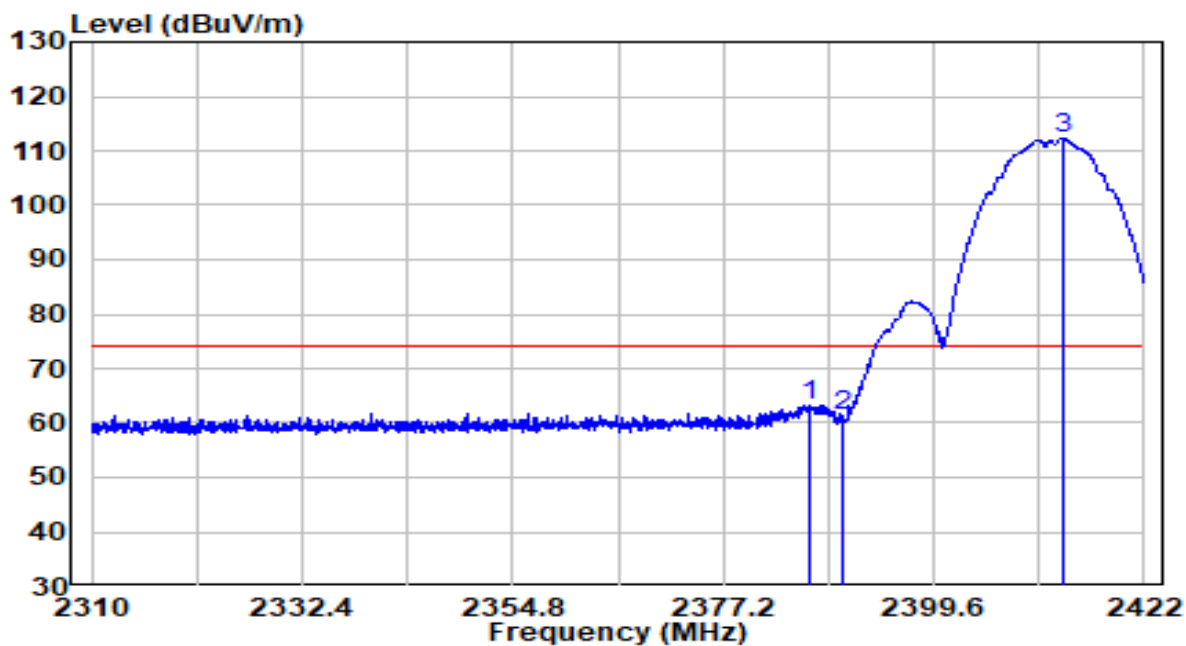


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	15.36	32.30	47.66	-6.34	54.00	Average
2	* 2412.760	60.20	32.40	92.59	N/A	N/A	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

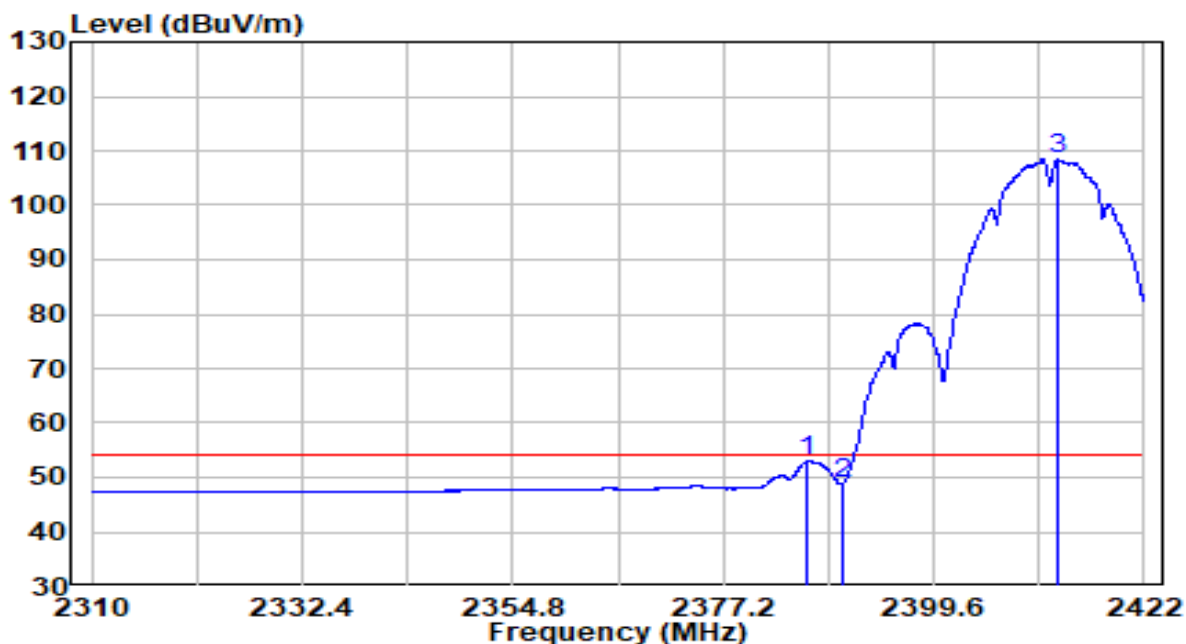


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2386.496	31.05	32.28	63.33	-10.67	74.00	Peak
2	2390.000	29.02	32.30	61.32	-12.68	74.00	Peak
3	* 2413.264	79.85	32.40	112.25	N/A	N/A	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

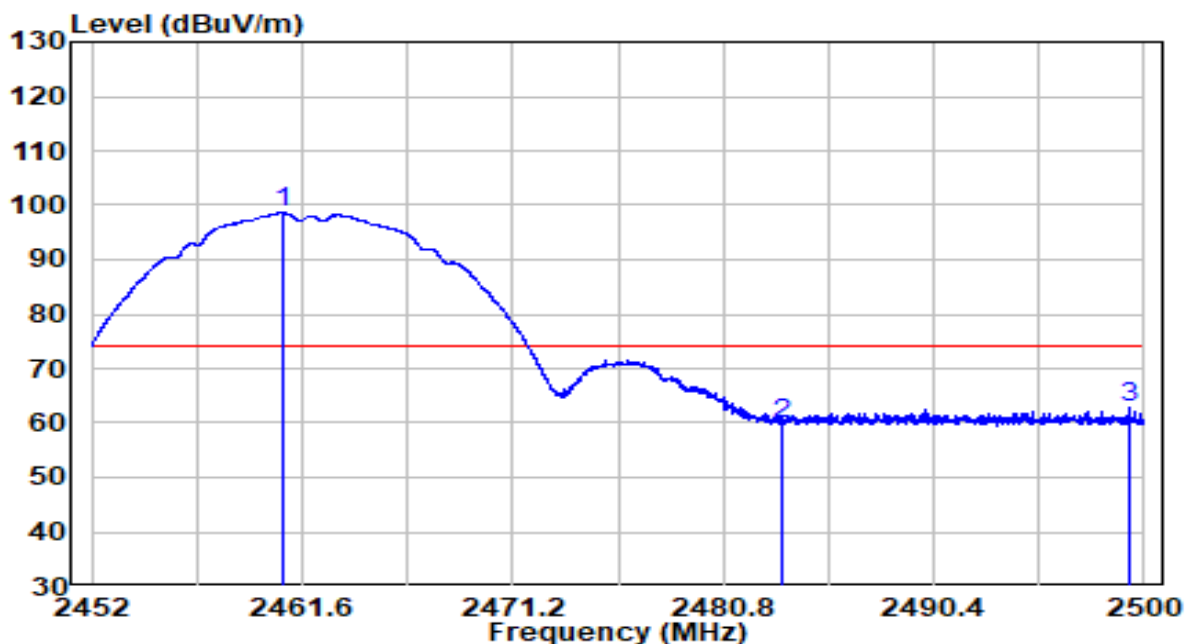


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2386.216	20.66	32.28	52.94	-1.06	54.00	Average
2	2390.000	16.72	32.30	49.01	-4.99	54.00	Average
3	* 2412.816	76.07	32.40	108.46	N/A	N/A	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

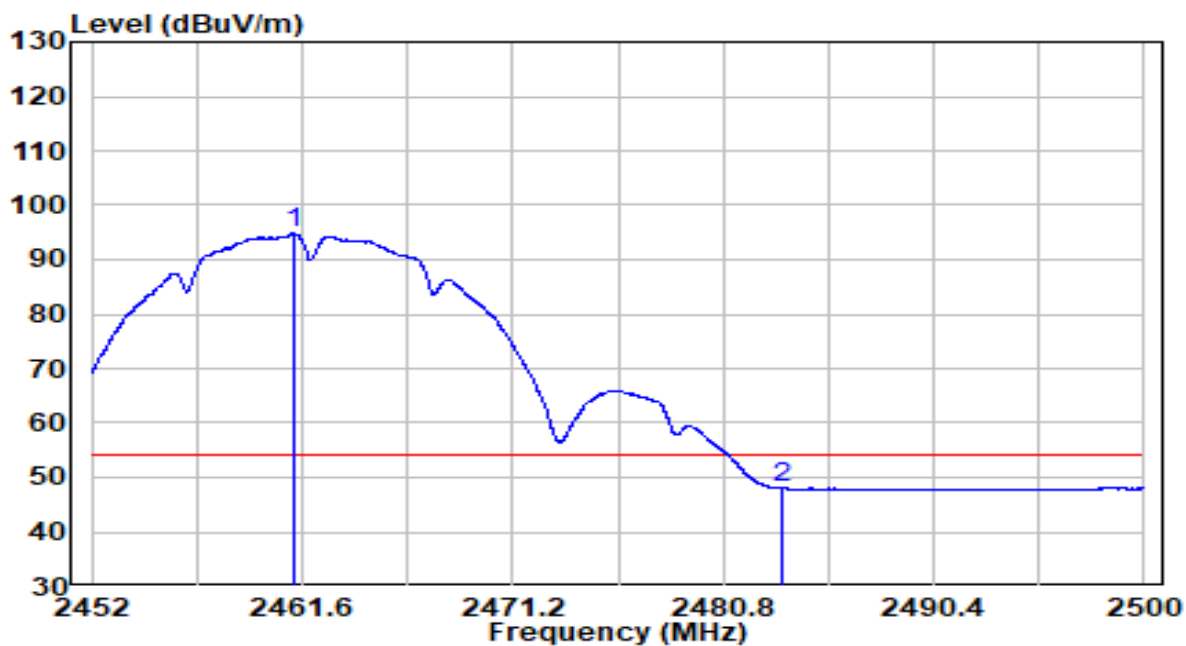


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2460.784	65.94	32.61	98.54	N/A	N/A	Peak
2		2483.500	27.23	32.71	59.94	-14.06	74.00	Peak
3		2499.280	29.90	32.78	62.67	-11.33	74.00	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

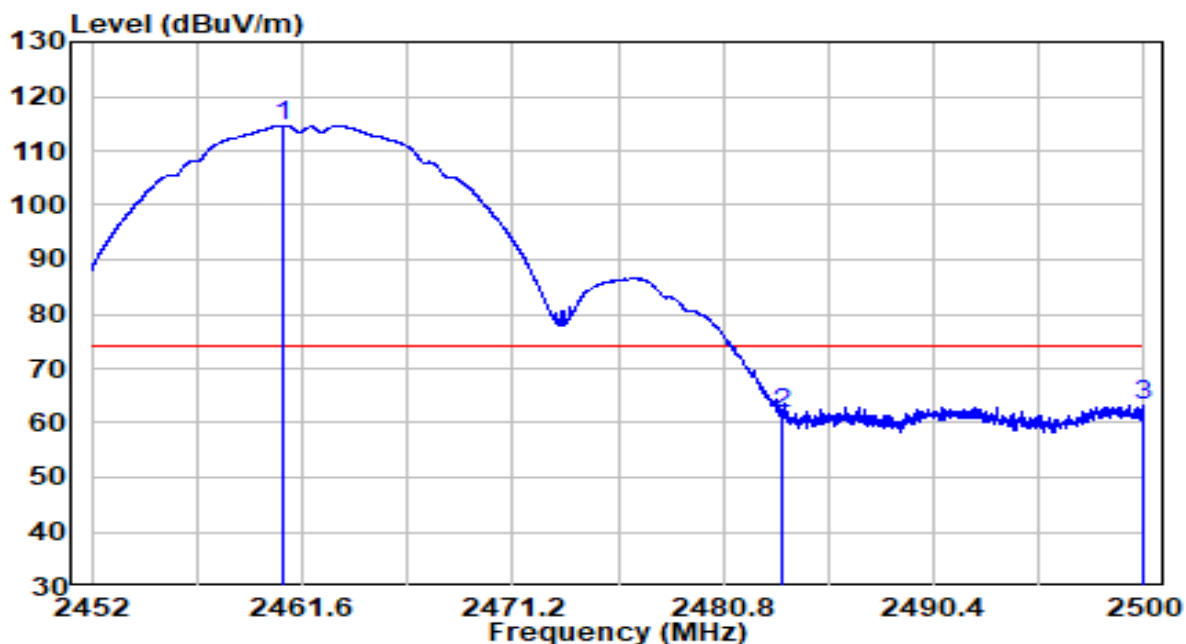


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2461.192	62.17	32.61	94.78	N/A	N/A	Average
2		2483.500	15.27	32.71	47.98	-6.02	54.00	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

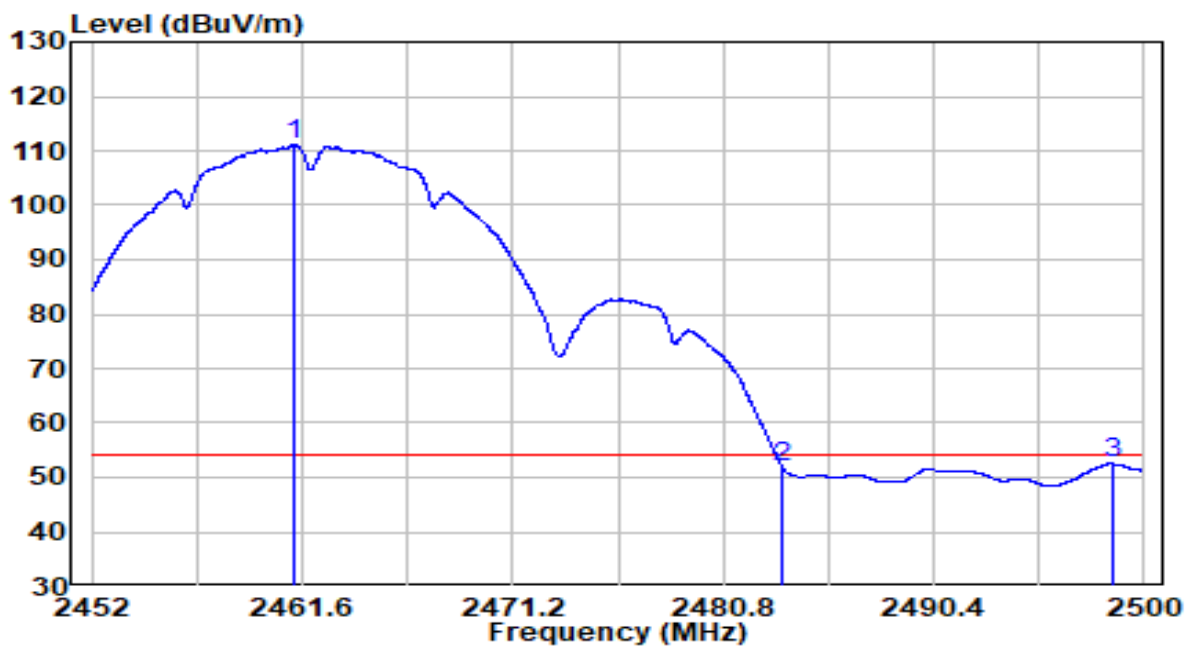


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2460.712	82.07	32.61	114.67	N/A	N/A	Peak
2		2483.500	28.96	32.71	61.66	-12.34	74.00	Peak
3		2499.904	30.61	32.78	63.39	-10.61	74.00	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

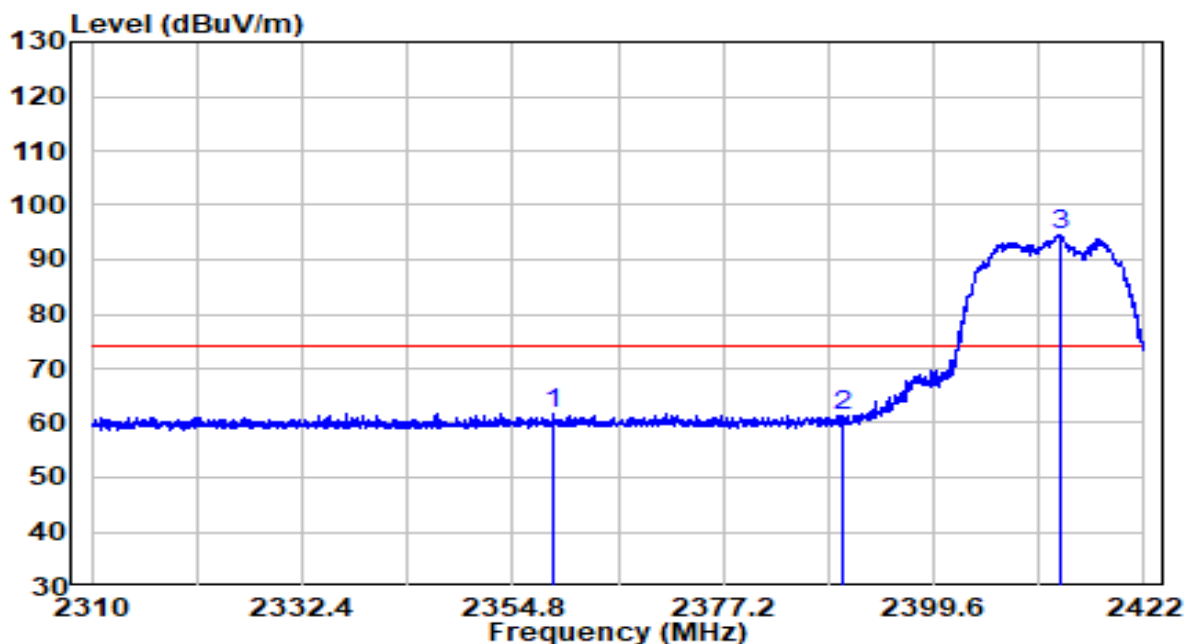


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2461.264	78.45	32.61	111.06	N/A	N/A	Average
2		2483.500	19.23	32.71	51.93	-2.07	54.00	Average
3		2498.536	19.72	32.77	52.49	-1.51	54.00	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

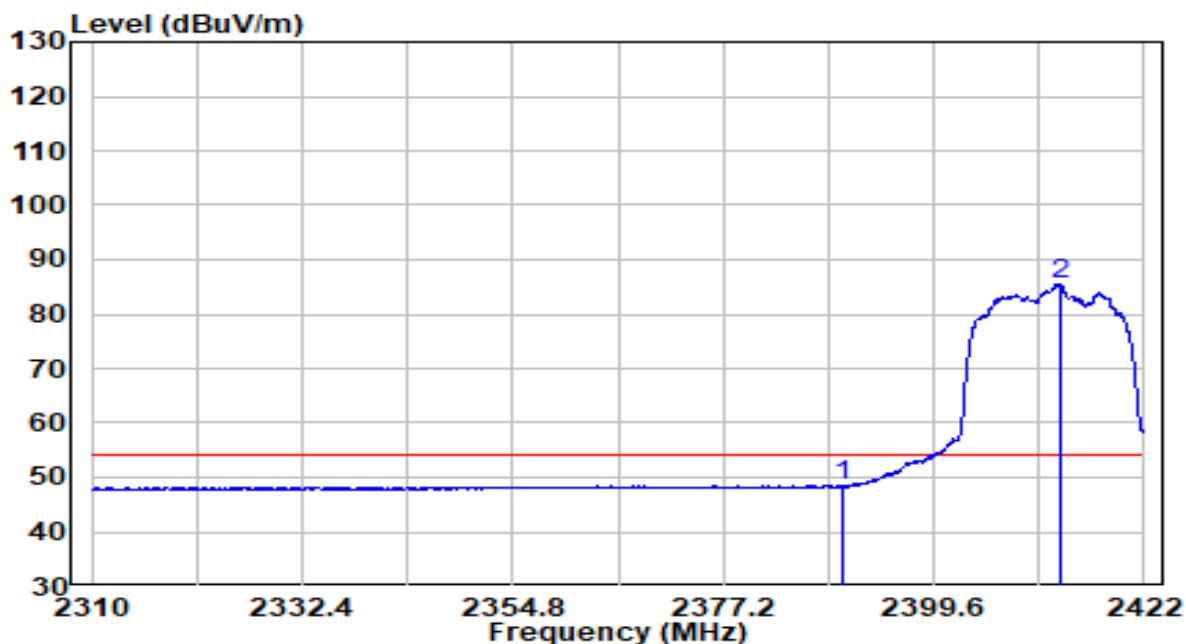


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2359.112	29.57	32.16	61.73	-12.27	74.00	Peak
2	2390.000	28.84	32.30	61.14	-12.86	74.00	Peak
3	* 2413.040	62.19	32.40	94.59	N/A	N/A	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

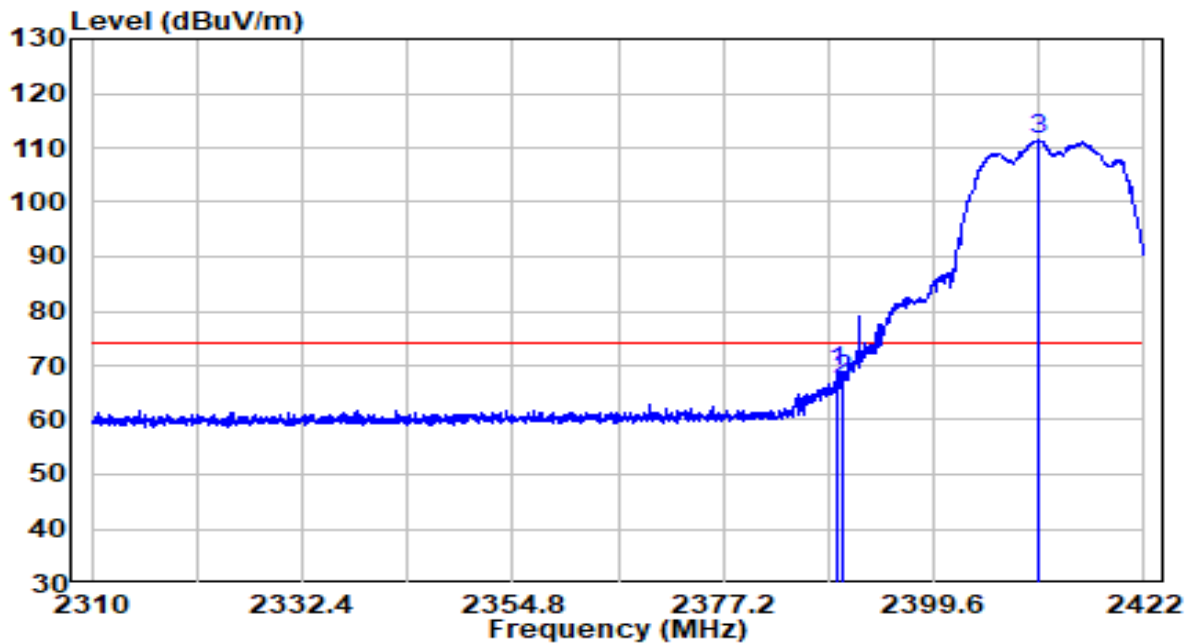


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	16.09	32.30	48.39	-5.61	54.00	Average
2	* 2413.152	52.99	32.40	85.39	N/A	N/A	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

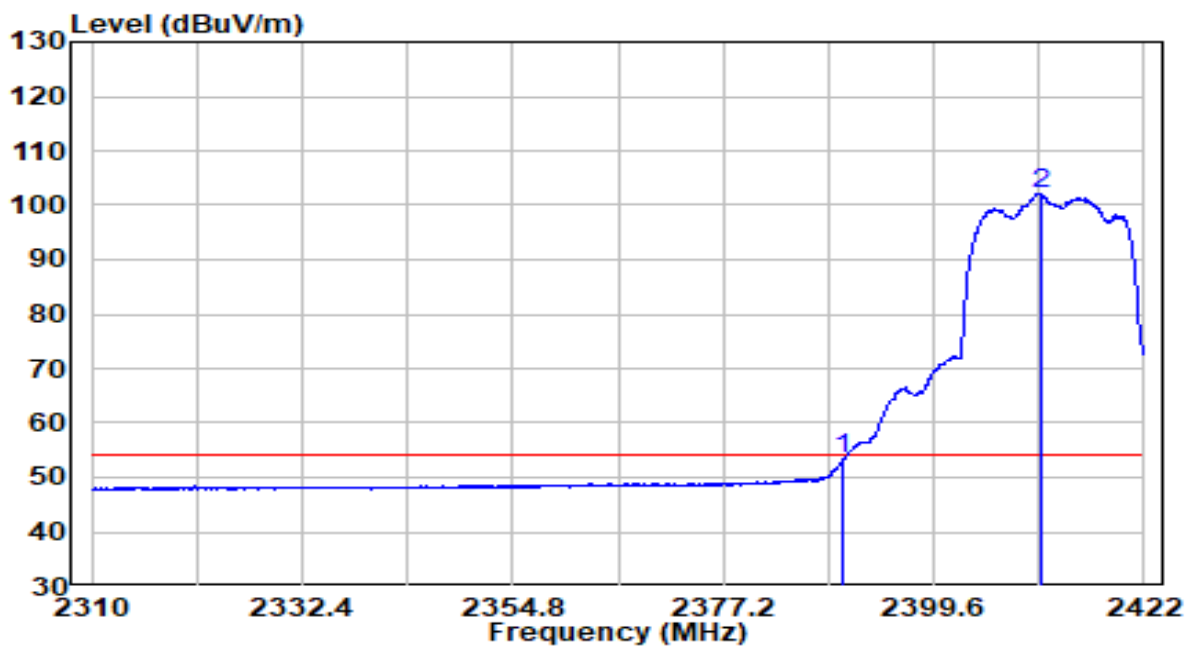


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2389.464	36.61	32.29	68.90	-5.10	74.00	Peak
2	2390.000	35.19	32.30	67.49	-6.51	74.00	Peak
3	* 2410.688	79.01	32.39	111.39	N/A	N/A	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

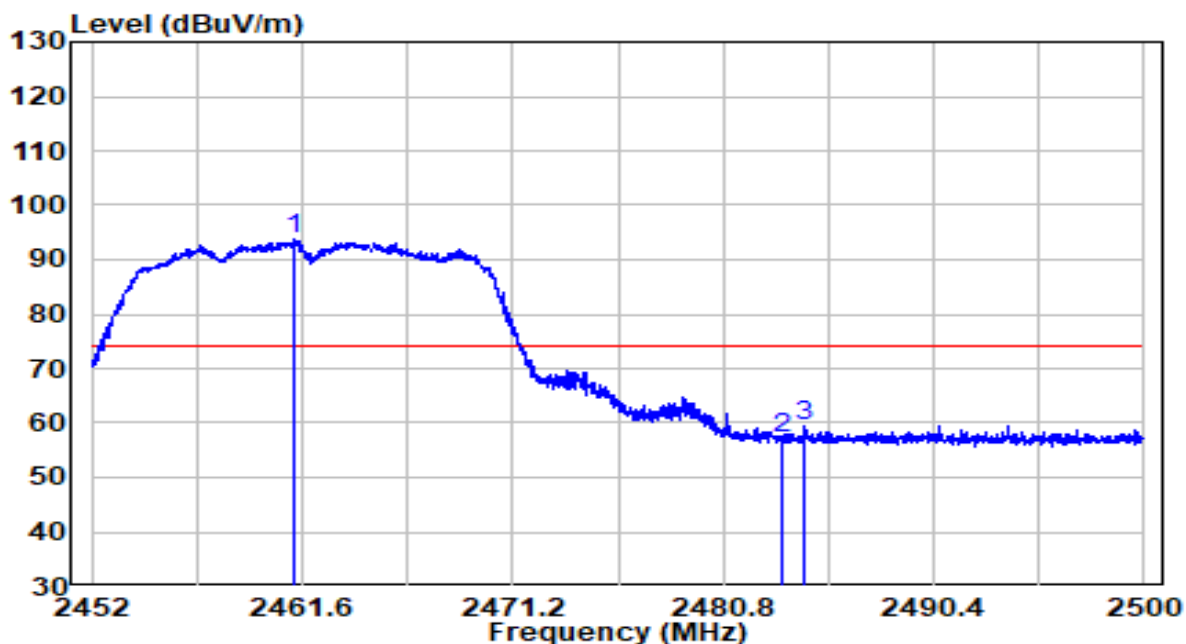


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.024	21.09	32.30	53.39	-0.61	54.00	Average
2	* 2411.024	69.75	32.39	102.14	N/A	N/A	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

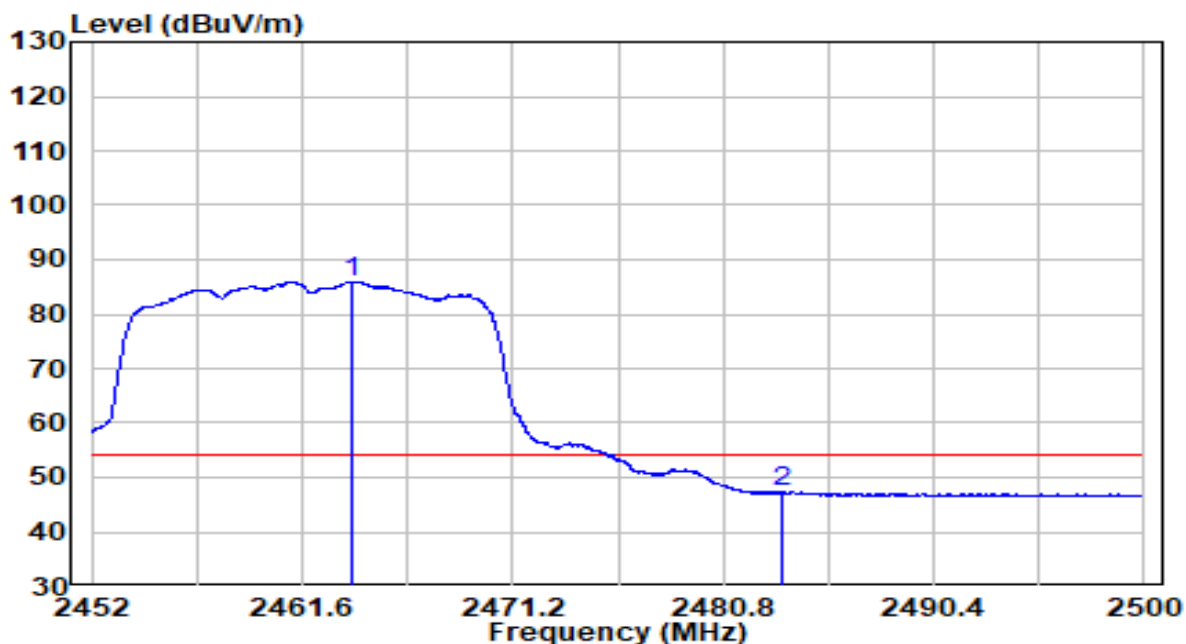


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2461.216	60.98	32.61	93.59	N/A	N/A	Peak
2		2483.500	24.33	32.71	57.04	-16.96	74.00	Peak
3		2484.472	26.75	32.71	59.46	-14.54	74.00	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

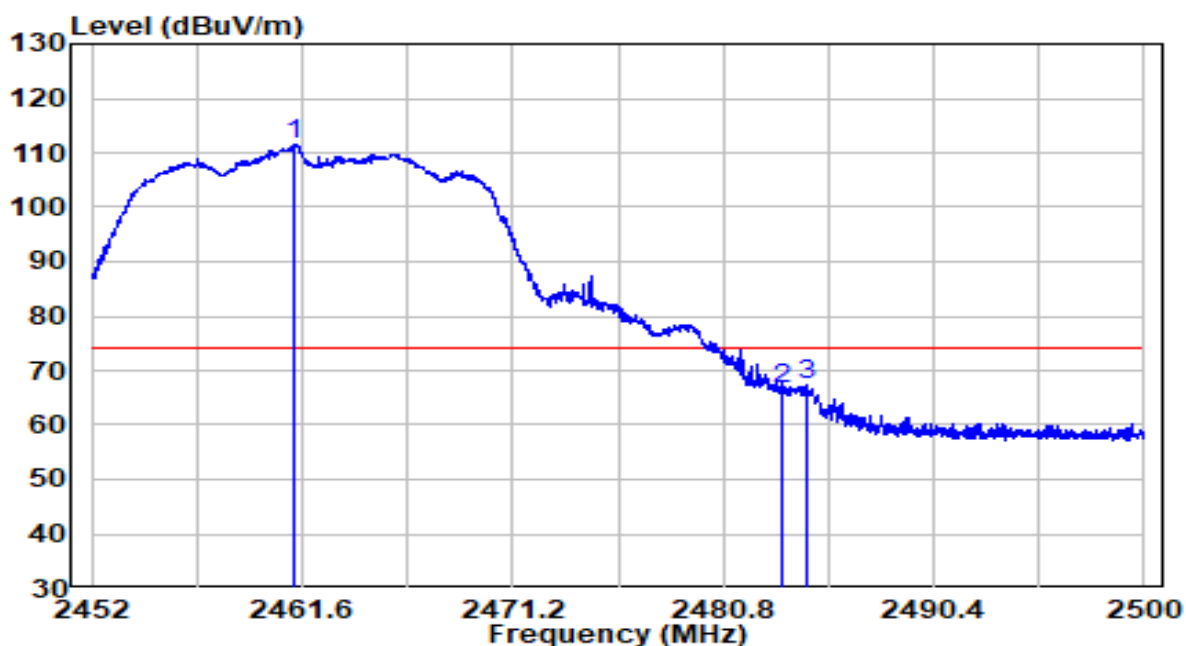


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2463.832	53.41	32.62	86.03	N/A	N/A	Average
2		2483.500	14.48	32.71	47.19	-6.81	54.00	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

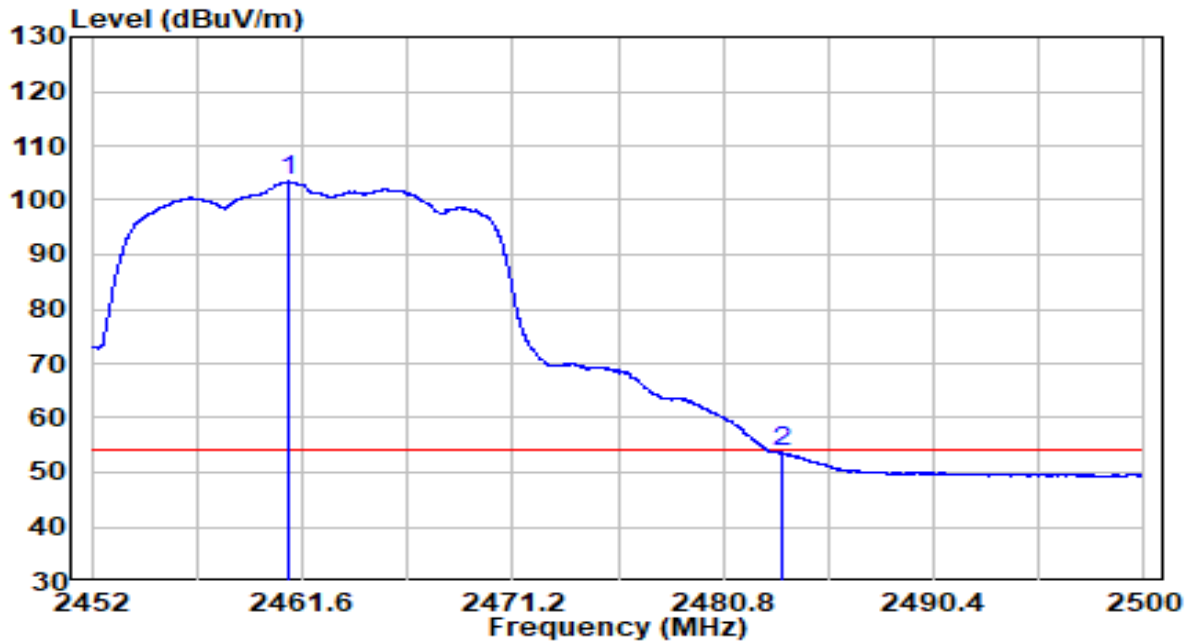


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2461.240	78.82	32.61	111.43	N/A	N/A	Peak
2		2483.500	33.94	32.71	66.65	-7.35	74.00	Peak
3		2484.616	34.50	32.71	67.21	-6.79	74.00	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

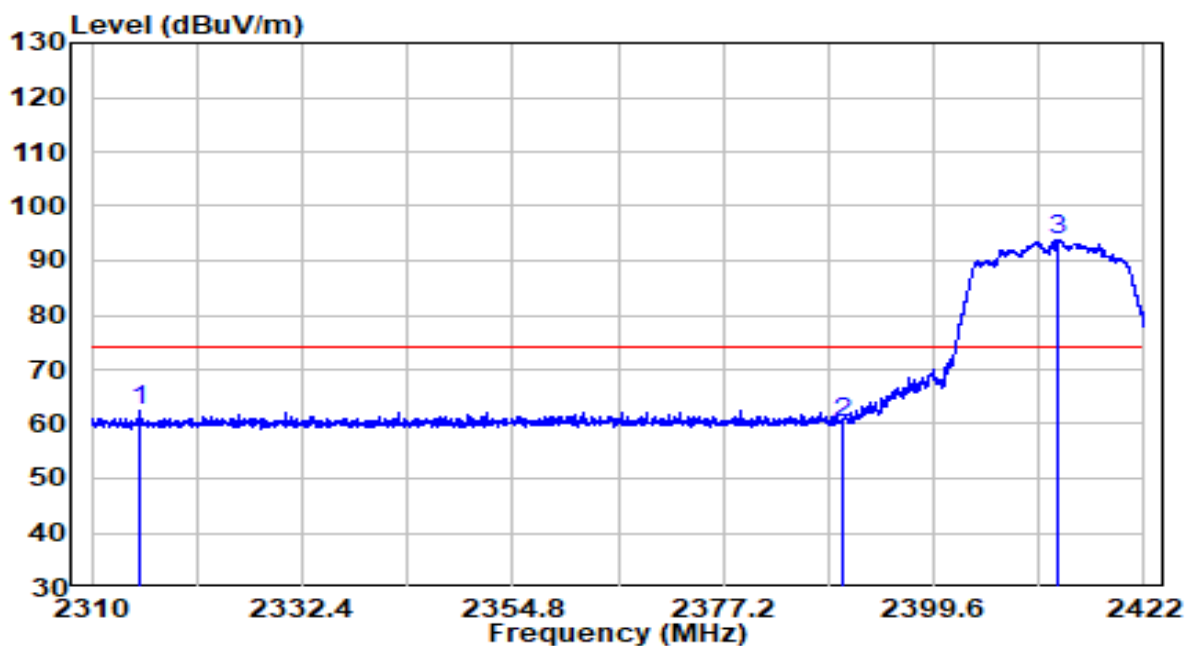


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2460.976	70.81	32.61	103.42	N/A	N/A	Average
2		2483.488	20.96	32.71	53.67	-0.33	54.00	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

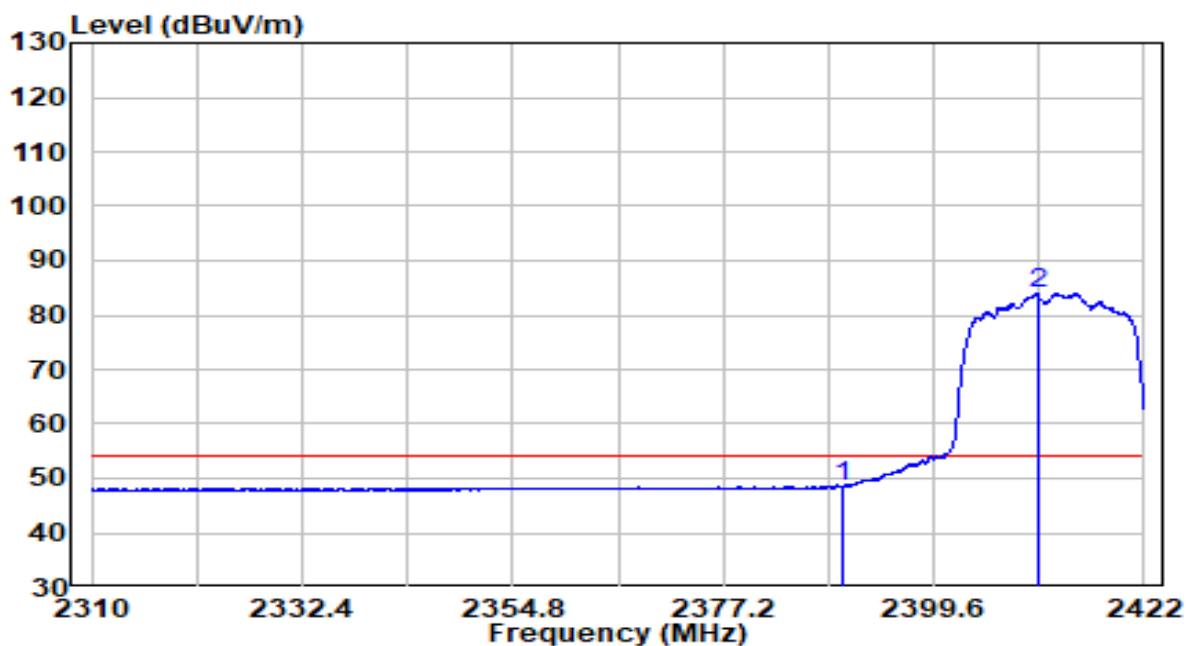


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2315.208	30.42	31.97	62.39	-11.61	74.00	Peak
2	2390.000	27.84	32.30	60.13	-13.87	74.00	Peak
3	* 2412.928	61.26	32.40	93.66	N/A	N/A	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

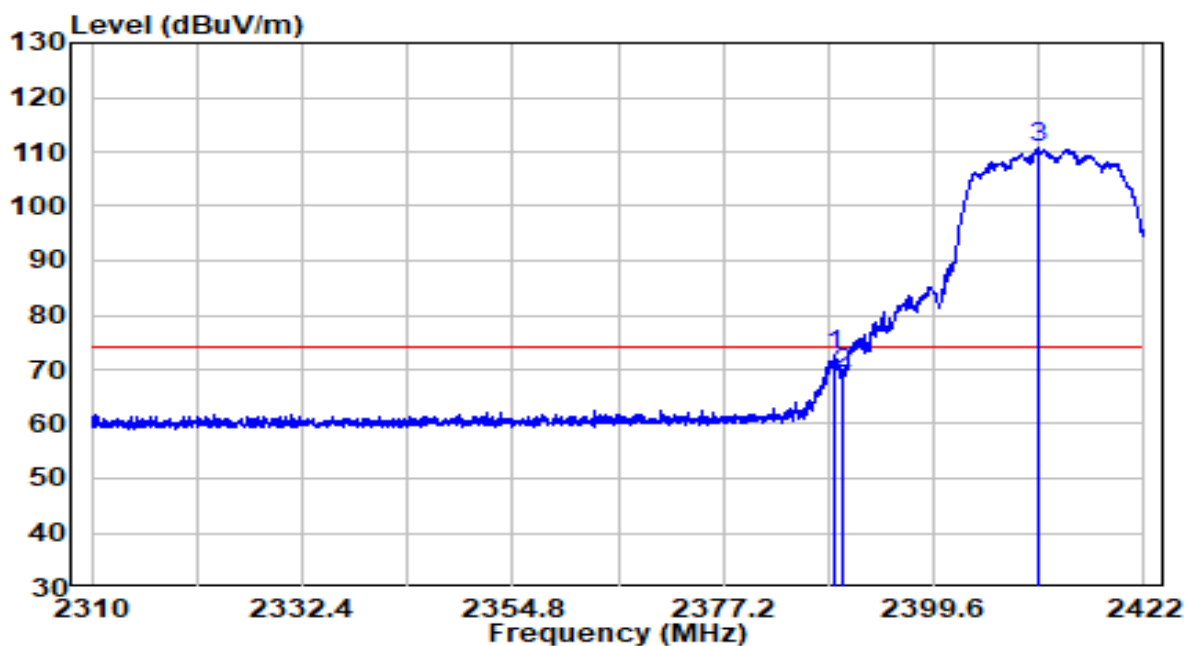


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	16.33	32.30	48.63	-5.37	54.00	Average
2	* 2410.632	51.56	32.39	83.95	N/A	N/A	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

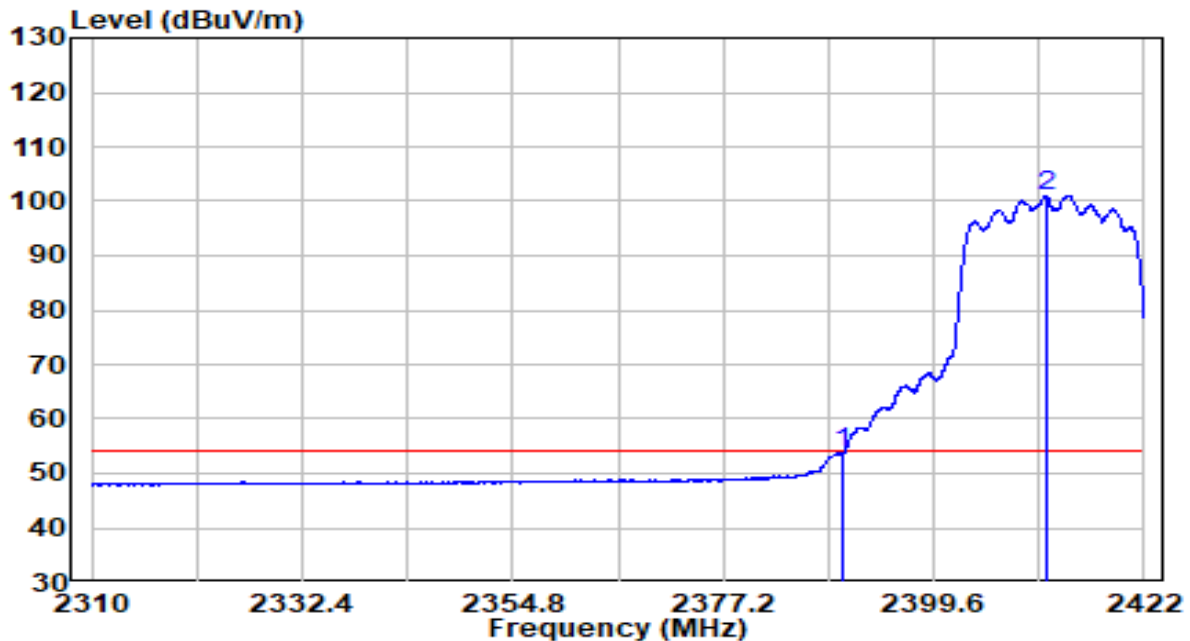


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2389.072	40.23	32.29	72.53	-1.47	74.00	Peak
2	2390.000	36.96	32.30	69.25	-4.75	74.00	Peak
3	* 2410.688	78.27	32.39	110.65	N/A	N/A	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

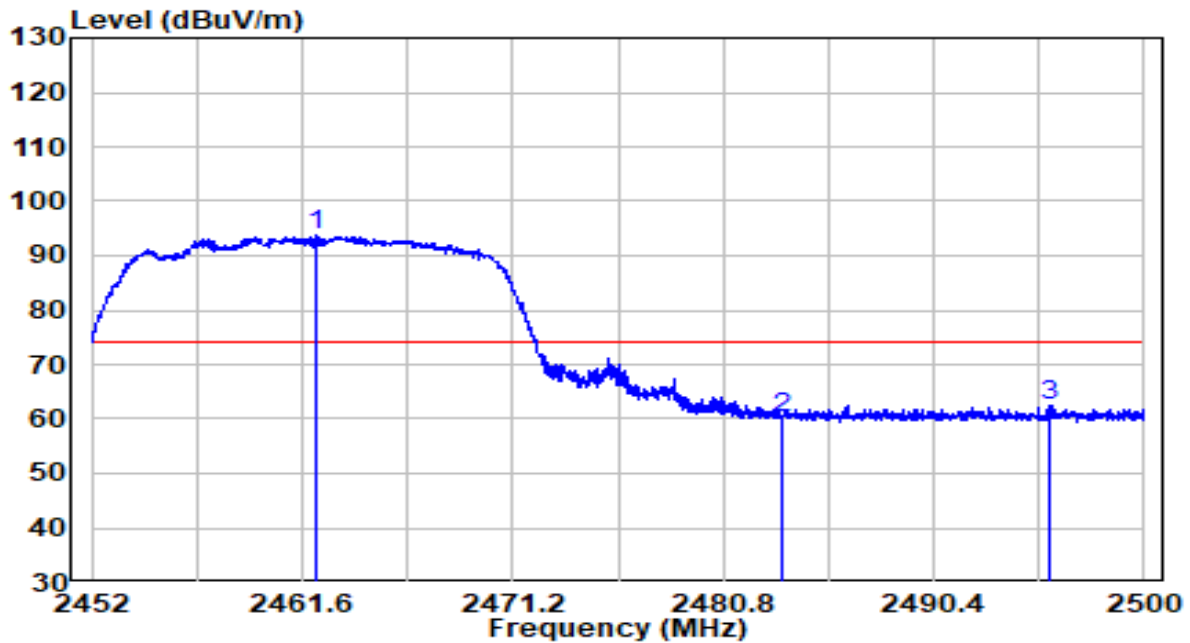


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.024	21.59	32.30	53.89	-0.11	54.00	Average
2	* 2411.528	68.68	32.39	101.08	N/A	N/A	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

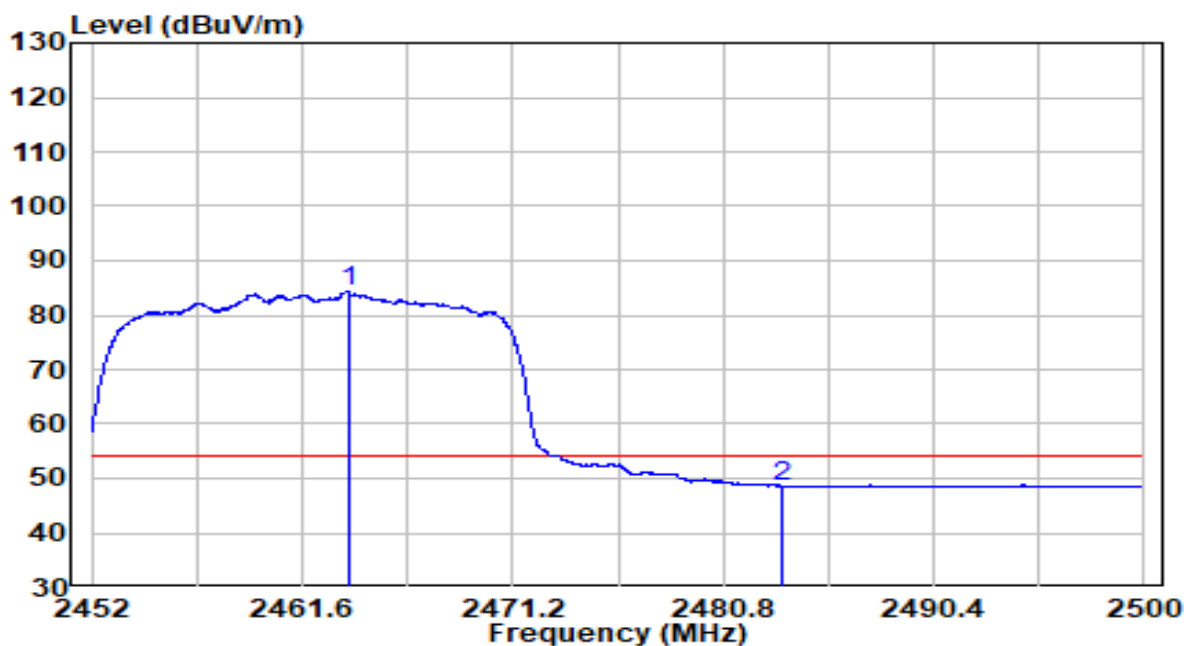


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2462.272	61.04	32.61	93.65	N/A	N/A	Peak
2		2483.500	27.46	32.71	60.16	-13.84	74.00	Peak
3		2495.656	29.82	32.76	62.58	-11.42	74.00	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

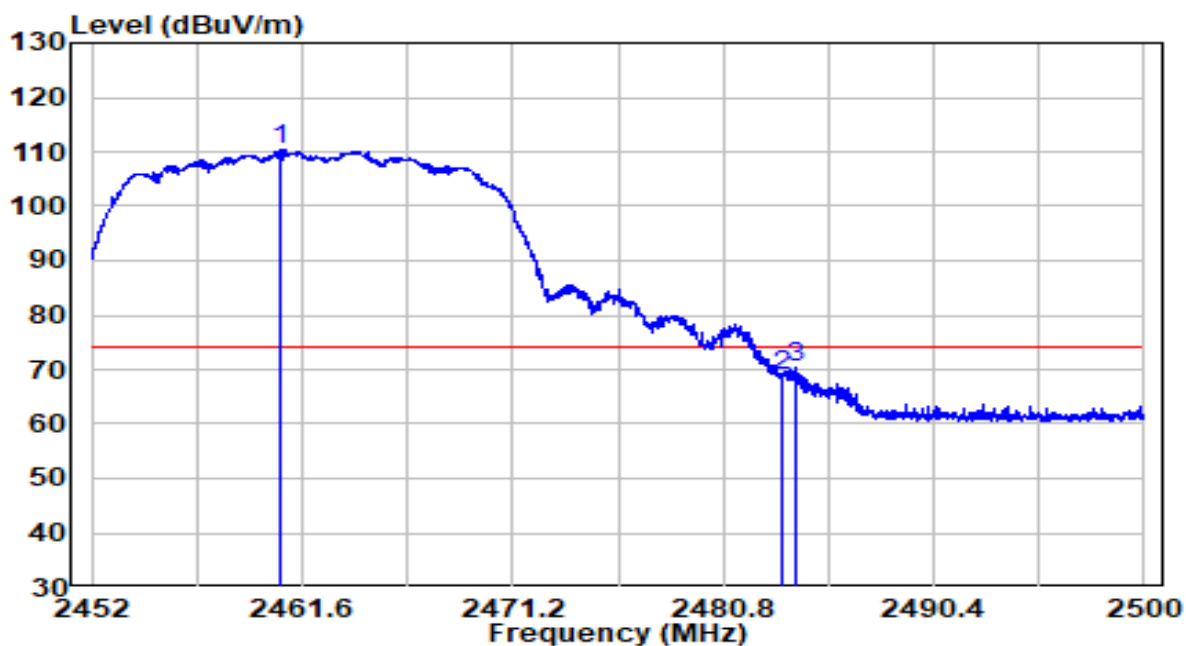


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2463.712	51.89	32.62	84.51	N/A	N/A	Average
2		2483.500	15.91	32.71	48.62	-5.38	54.00	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

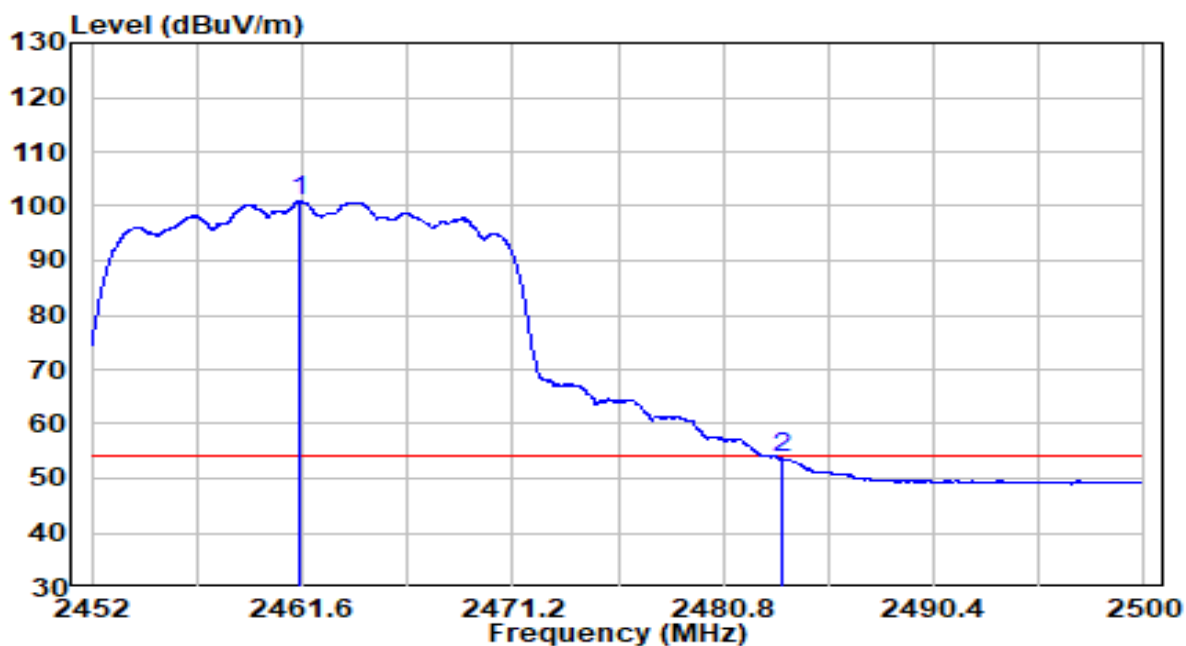


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2460.616	77.79	32.61	110.40	N/A	N/A	Peak
2		2483.500	36.13	32.71	68.84	-5.16	74.00	Peak
3		2484.160	37.52	32.71	70.23	-3.77	74.00	Peak

Note:

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

EUT	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

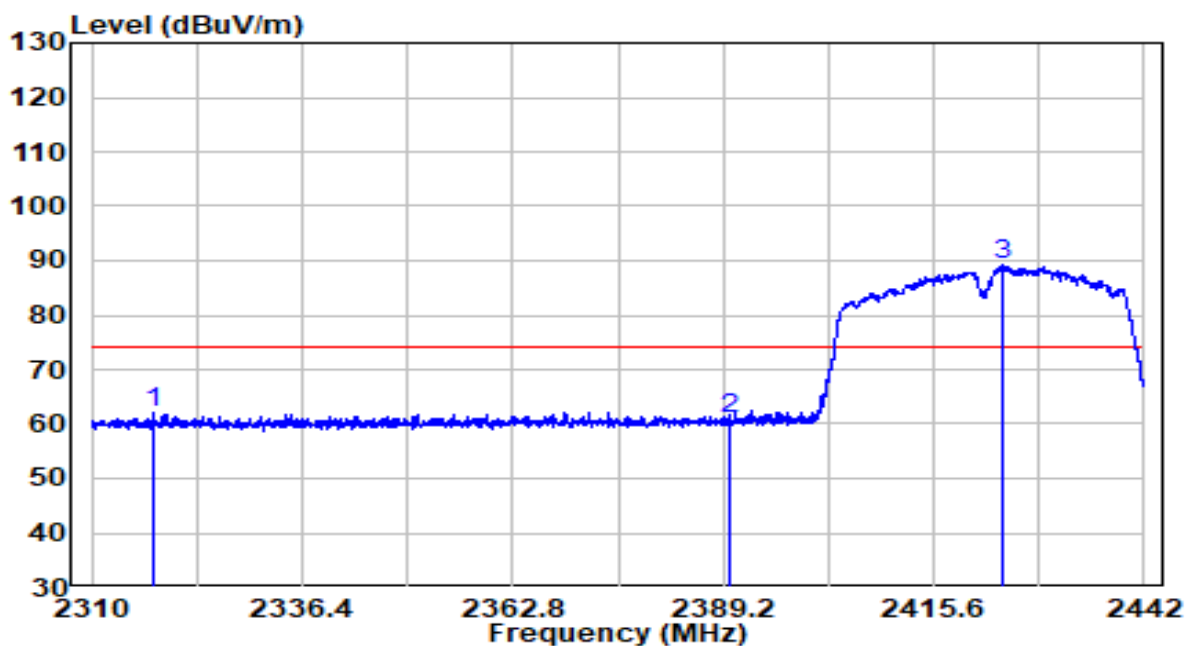


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2461.504	68.34	32.61	100.95	N/A	N/A	Average
2		2483.488	21.10	32.71	53.80	-0.20	54.00	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

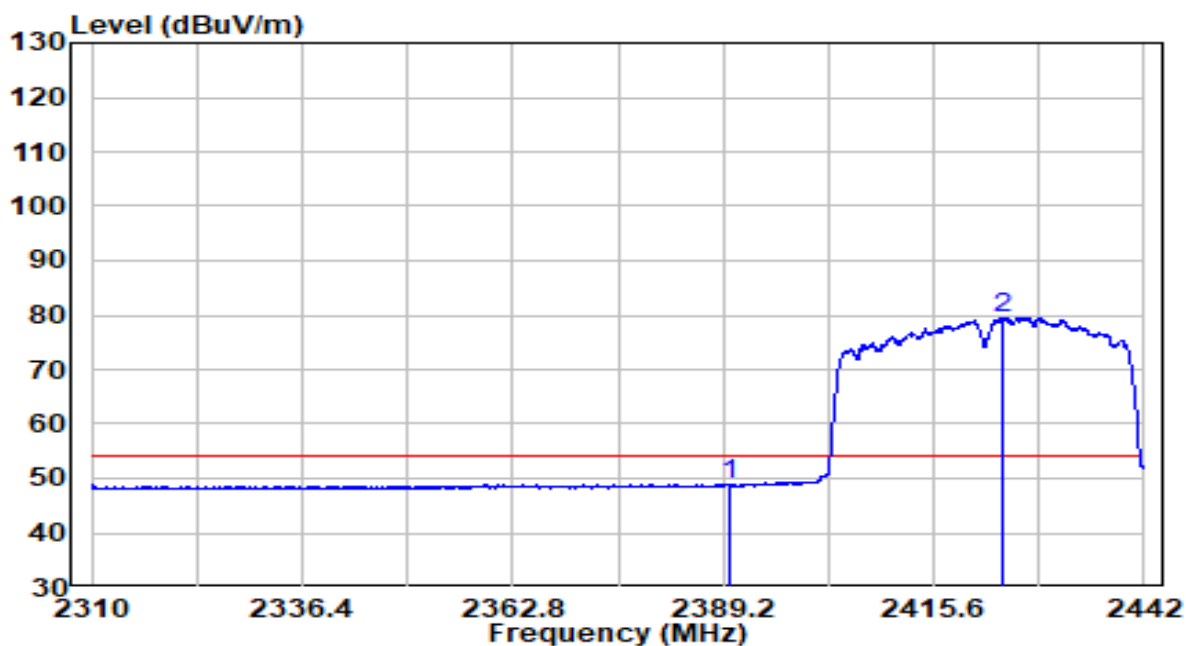


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2317.854	30.23	31.98	62.21	-11.79	74.00	Peak
2	2390.000	28.50	32.30	60.80	-13.20	74.00	Peak
3	* 2424.114	56.71	32.45	89.15	N/A	N/A	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

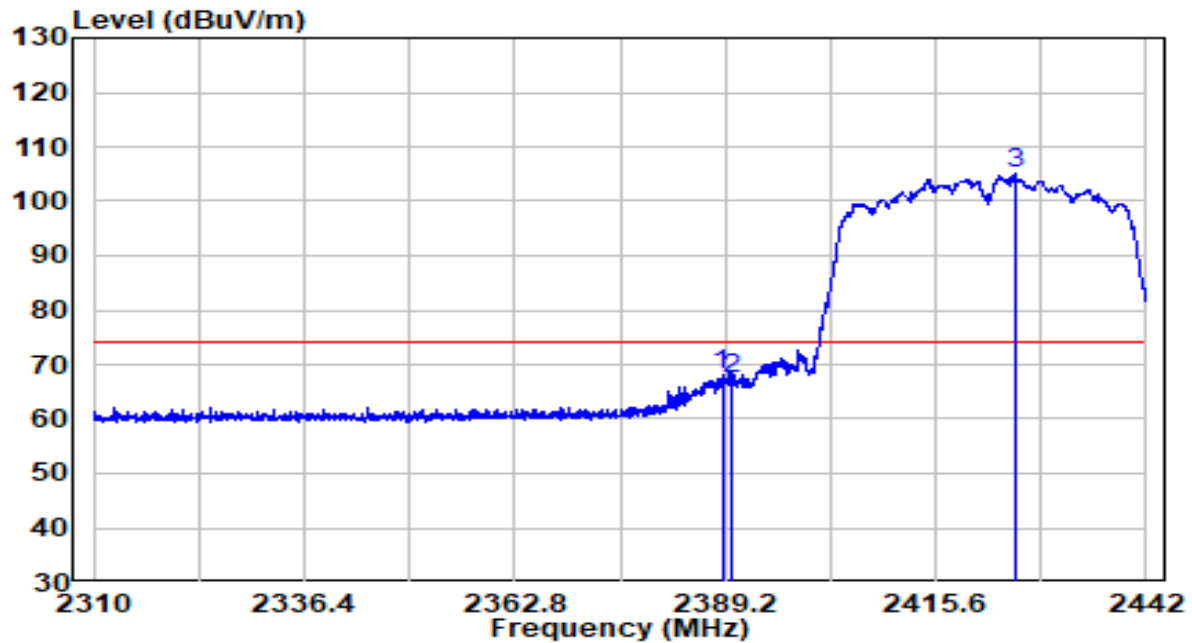


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	16.44	32.30	48.73	-5.27	54.00	Average
2	* 2424.180	47.06	32.45	79.50	N/A	N/A	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

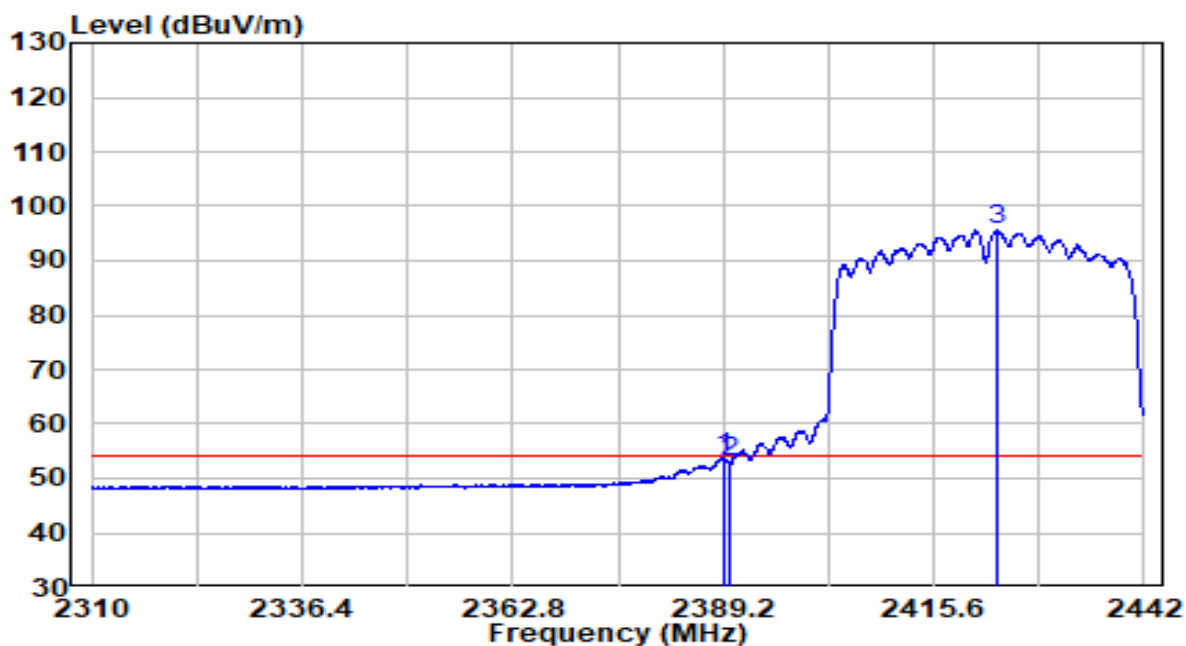


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2388.804	35.67	32.29	67.96	-6.04	74.00	Peak
2	2390.000	35.25	32.30	67.55	-6.45	74.00	Peak
3	* 2425.632	72.45	32.45	104.91	N/A	N/A	Peak

Note:

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

EUT	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

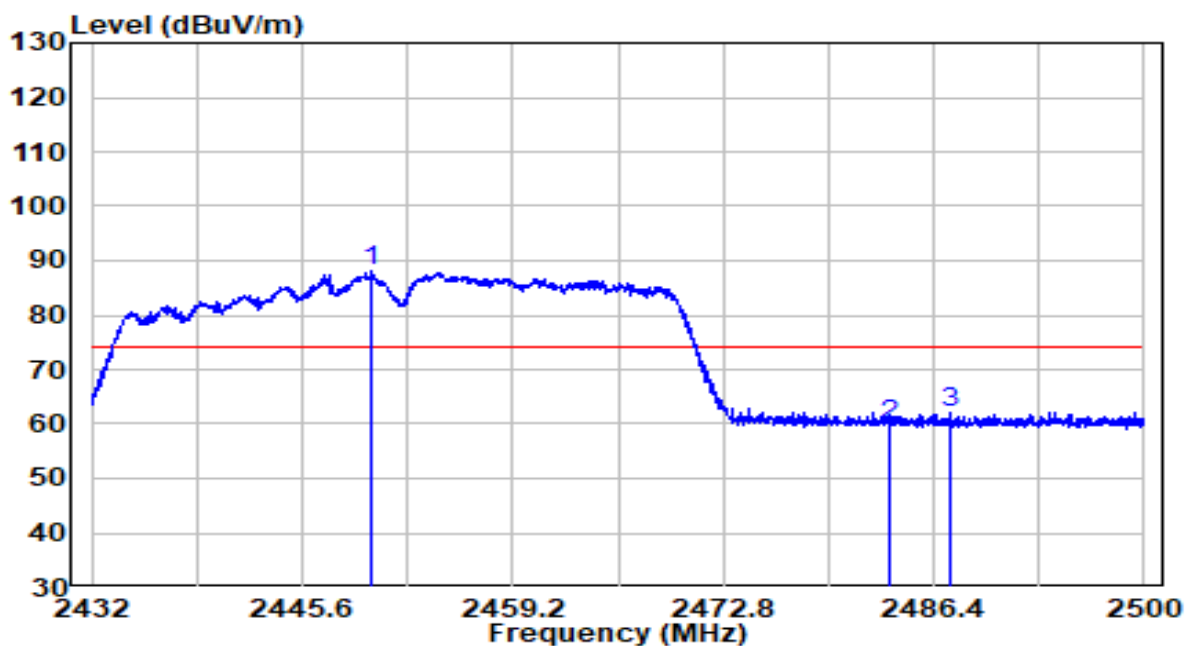


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2389.200	21.45	32.29	53.74	-0.26	54.00	Average
2	2390.000	20.54	32.30	52.83	-1.17	54.00	Average
3	* 2423.586	63.35	32.44	95.80	N/A	N/A	Average

Note:

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

EUT	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	110V/60Hz

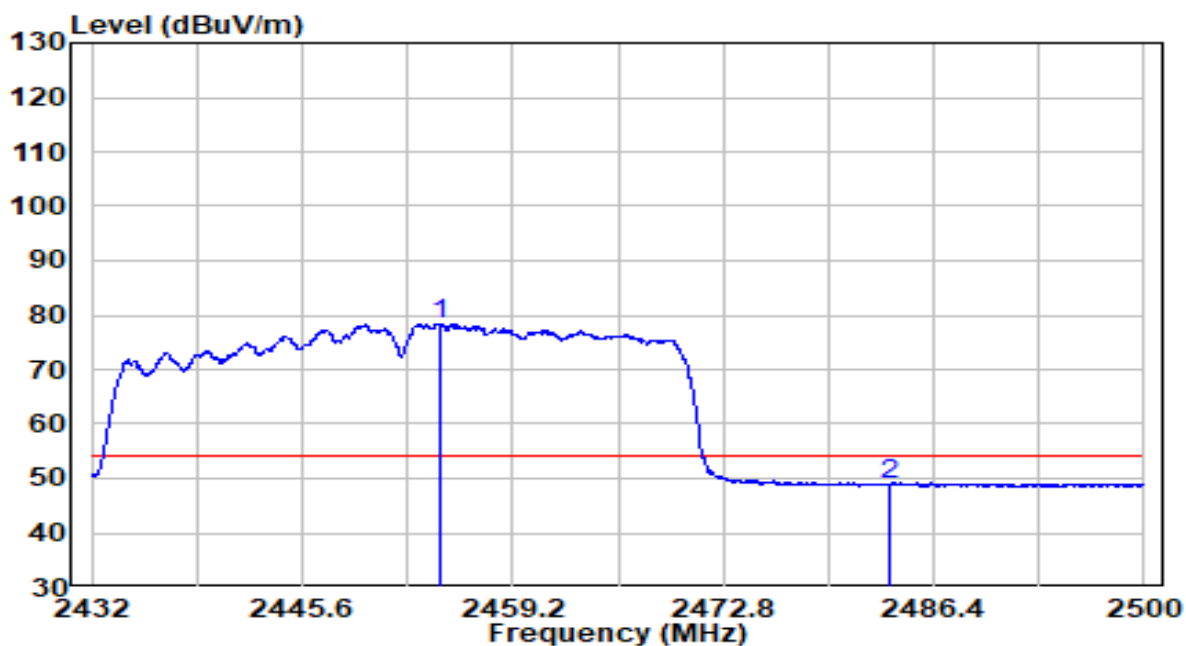


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2450.122	55.42	32.56	87.98	N/A	N/A	Peak
2		2483.500	27.16	32.71	59.86	-14.14	74.00	Peak
3		2487.522	29.45	32.73	62.18	-11.82	74.00	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	110V/60Hz

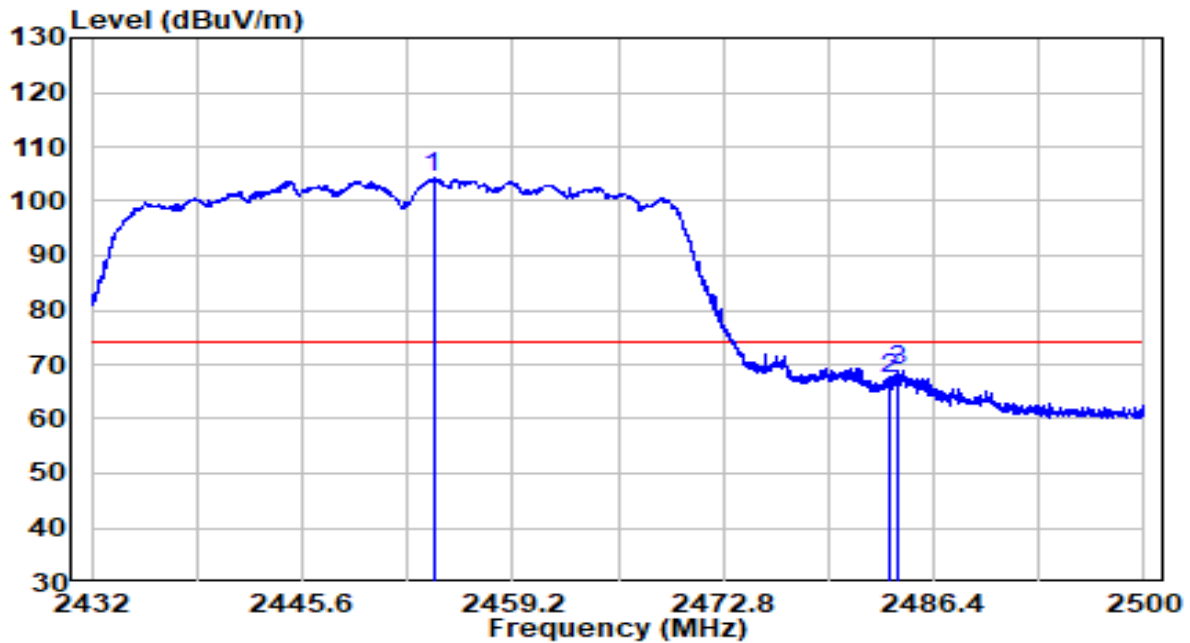


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2454.508	45.87	32.58	78.45	N/A	N/A	Average
2		2483.500	16.27	32.71	48.98	-5.02	54.00	Average

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	110V/60Hz

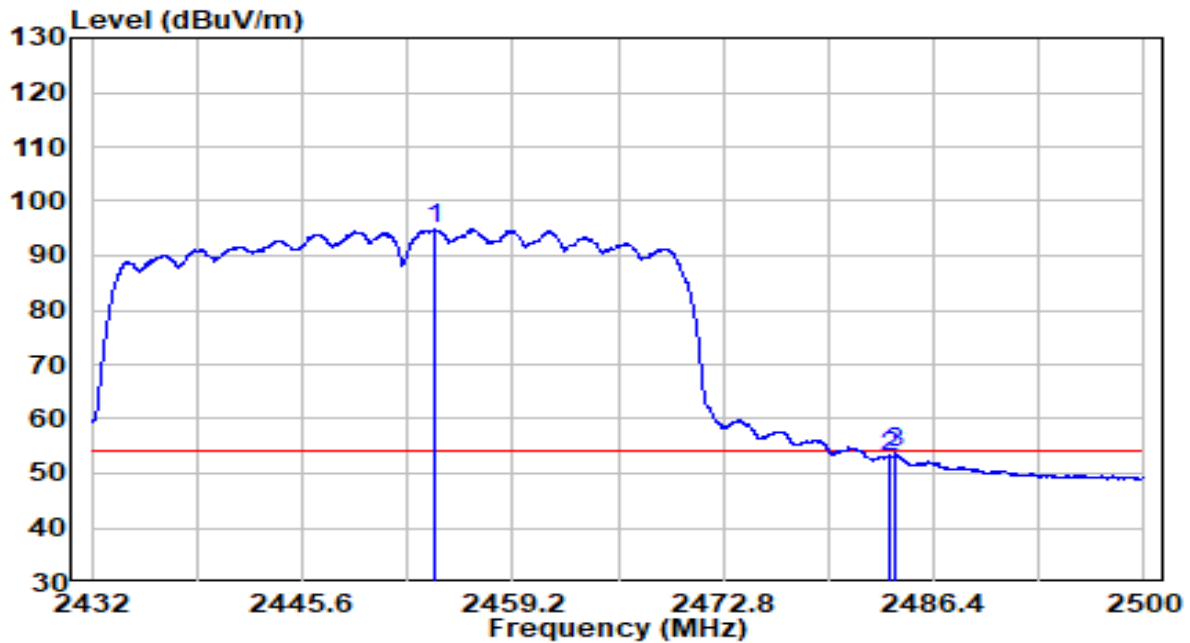


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2454.066	71.63	32.58	104.20	N/A	N/A	Peak
2		2483.500	34.65	32.71	67.36	-6.64	74.00	Peak
3		2484.020	36.26	32.71	68.97	-5.03	74.00	Peak

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	AC750 Wi-Fi 訊號延伸器	Date of Test	2021-03-07
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/28.6%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chou
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	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	*	2454.134	62.18	32.58	94.76	N/A	N/A	Average
2		2483.510	20.13	32.71	52.84	-1.16	54.00	Average
3		2483.986	20.95	32.71	53.66	-0.34	54.00	Average

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.

5.7. 佔用頻道寬度

5.7.1. 適用標準

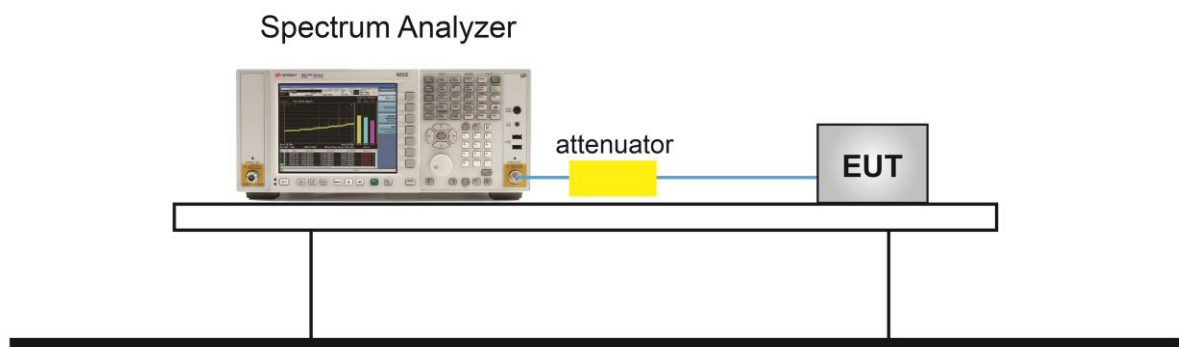
依據國家通訊傳播委員會低功率射頻器材技術規範之第 4.10.1.6(2)(A)節之要求，6dB 頻寬至少應有 500kHz。

5.7.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，設定頻譜分析儀之解析度頻寬為 100kHz，視訊頻寬不小於解析度頻寬，頻率掃瞄範圍(SPAN)遠大於解析度頻寬。

待測物應在正常發射狀態下量測。

5.7.3. 測試架構圖



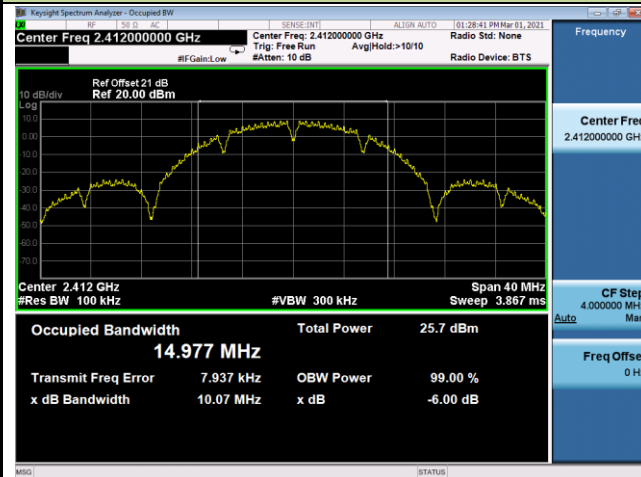
5.7.4. 佔用頻帶寬度測試結果

待測物名稱	AC750 Wi-Fi 訊號延伸器	溫度	23 ~ 25°C
測試工程師	Eric Lin	濕度	46 ~ 54%
測試場地	SR1	測試日期	2021/03/01

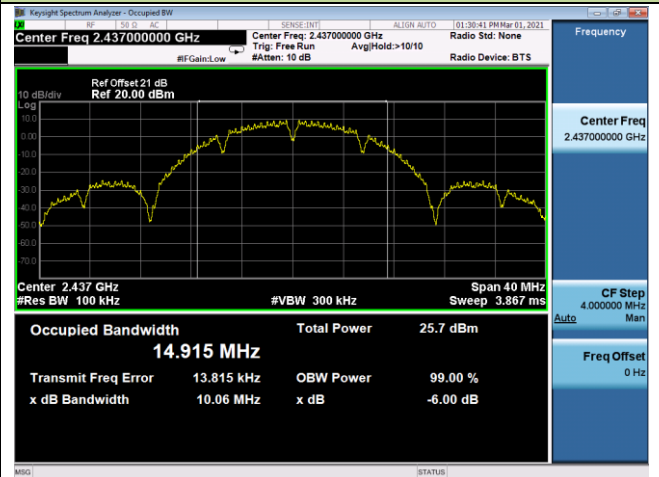
Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0 / Ant 0 + 1						
802.11b	1Mbps	01	2412	10.07	≥ 0.5	Pass
802.11b	1Mbps	06	2437	10.06	≥ 0.5	Pass
802.11b	1Mbps	11	2462	10.06	≥ 0.5	Pass
802.11g	6Mbps	01	2412	15.13	≥ 0.5	Pass
802.11g	6Mbps	06	2437	15.11	≥ 0.5	Pass
802.11g	6Mbps	11	2462	15.12	≥ 0.5	Pass
802.11n-HT20	MCS0	01	2412	15.12	≥ 0.5	Pass
802.11n-HT20	MCS0	06	2437	15.10	≥ 0.5	Pass
802.11n-HT20	MCS0	11	2462	15.12	≥ 0.5	Pass
802.11n-HT40	MCS0	03	2422	35.09	≥ 0.5	Pass
802.11n-HT40	MCS0	06	2437	35.04	≥ 0.5	Pass
802.11n-HT40	MCS0	09	2452	35.08	≥ 0.5	Pass

802.11b 6dB Bandwidth - Ant 0 / Ant 0 + 1

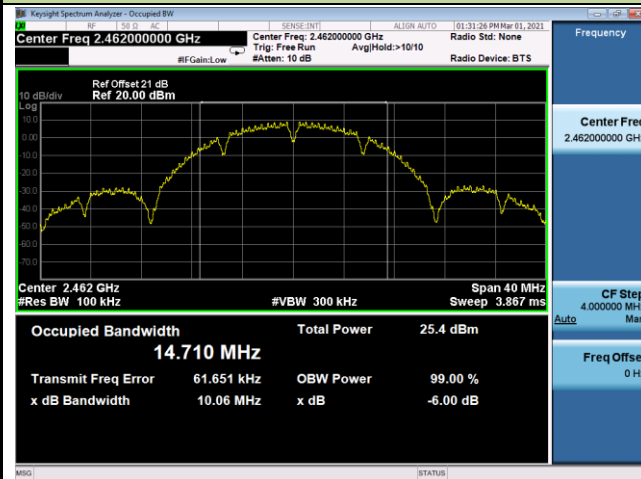
Channel 01 (2412MHz)



Channel 06 (2437MHz)

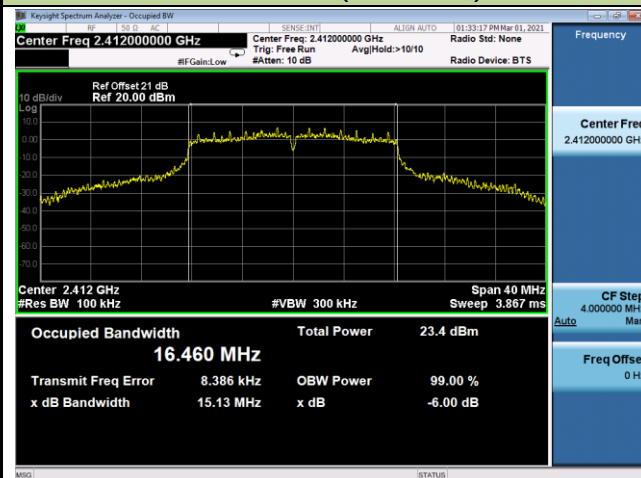


Channel 11 (2462MHz)

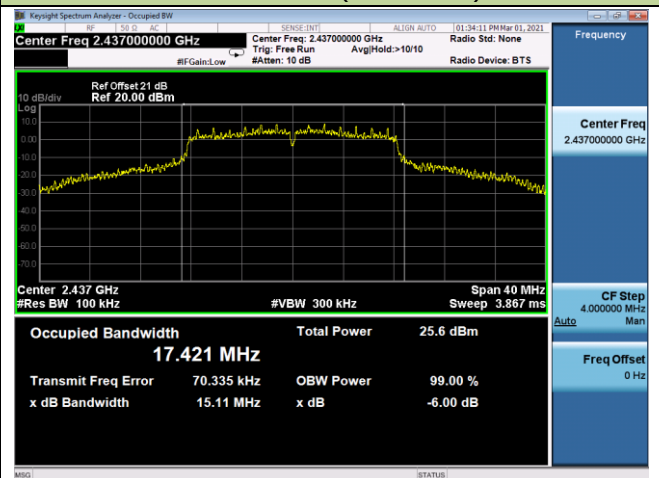


802.11g 6dB Bandwidth - Ant 0 / Ant 0 + 1

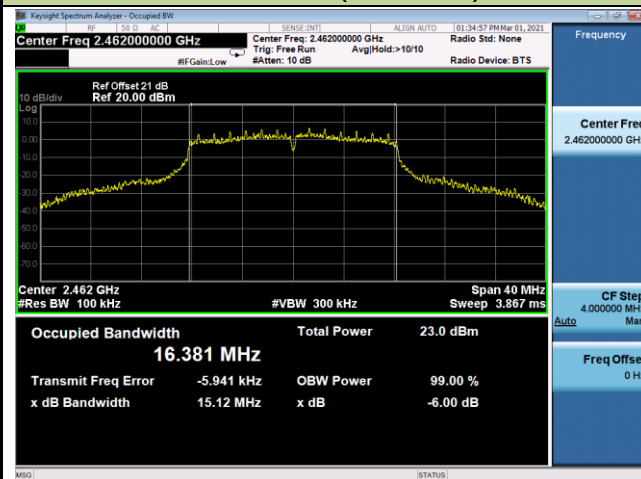
Channel 01 (2412MHz)



Channel 06 (2437MHz)

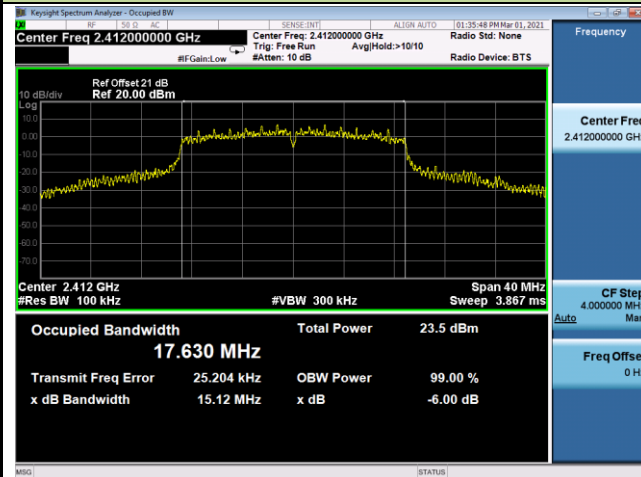


Channel 11 (2462MHz)

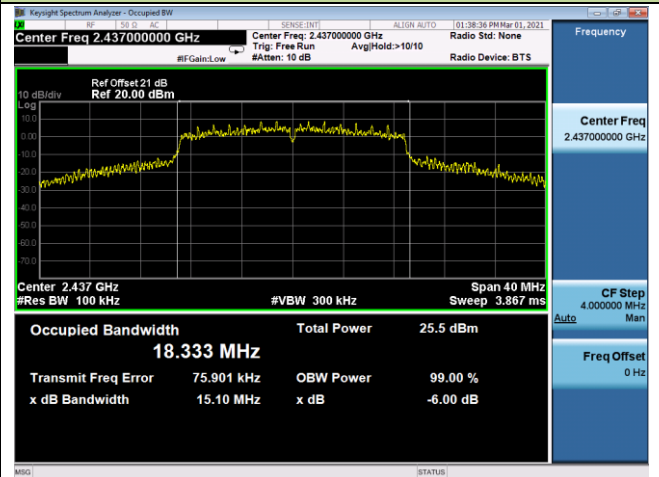


802.11n-HT20 6dB Bandwidth - Ant 0 / Ant 0 + 1

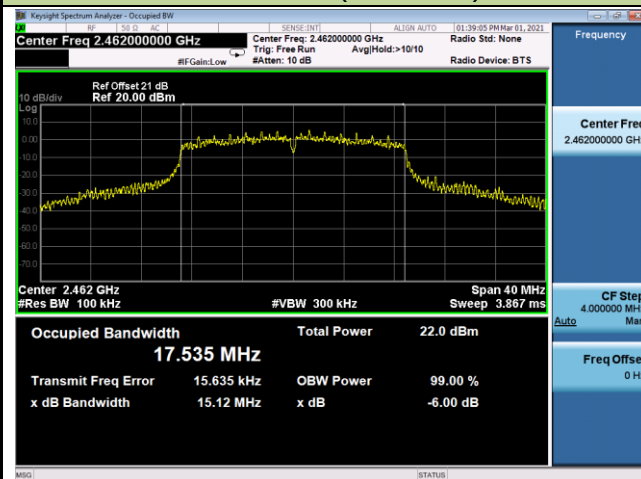
Channel 01 (2412MHz)



Channel 06 (2437MHz)

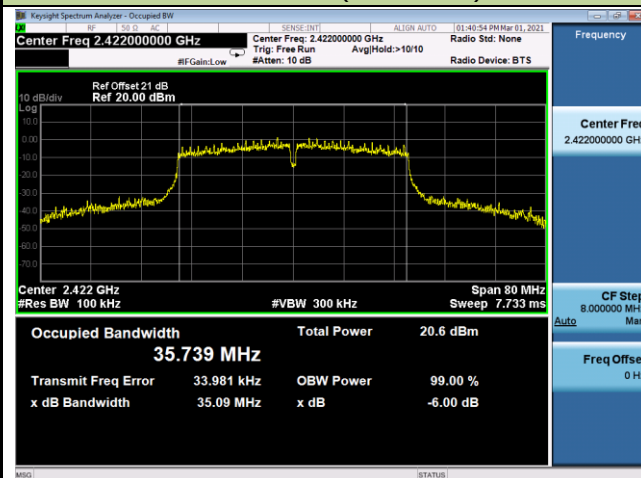


Channel 11 (2462MHz)

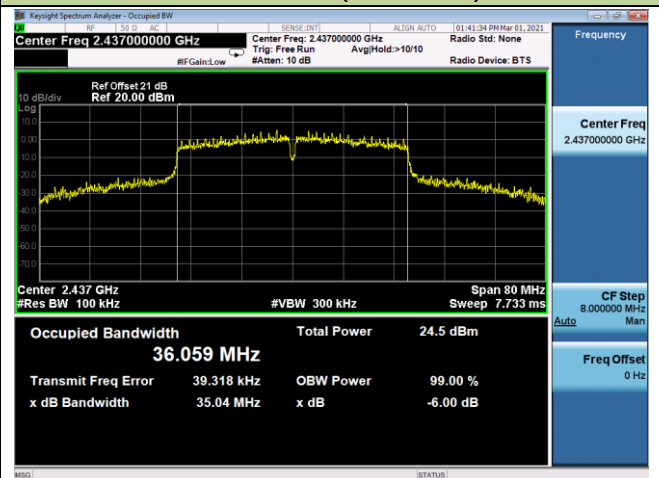


802.11n-HT40 6dB Bandwidth - Ant 0 / Ant 0 + 1

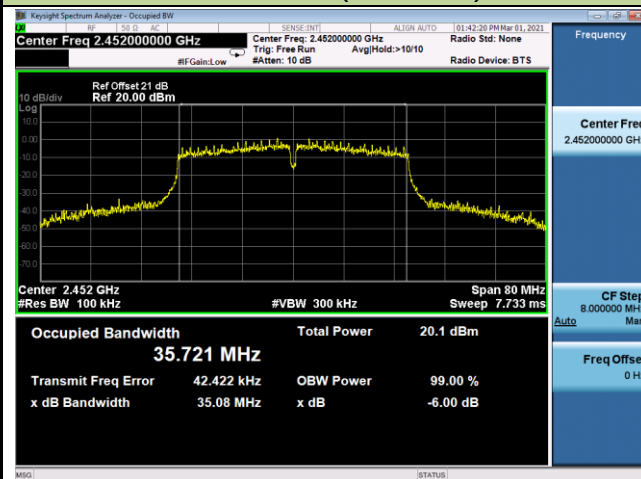
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



5.8. 發射電功率密度

5.8.1. 適用標準

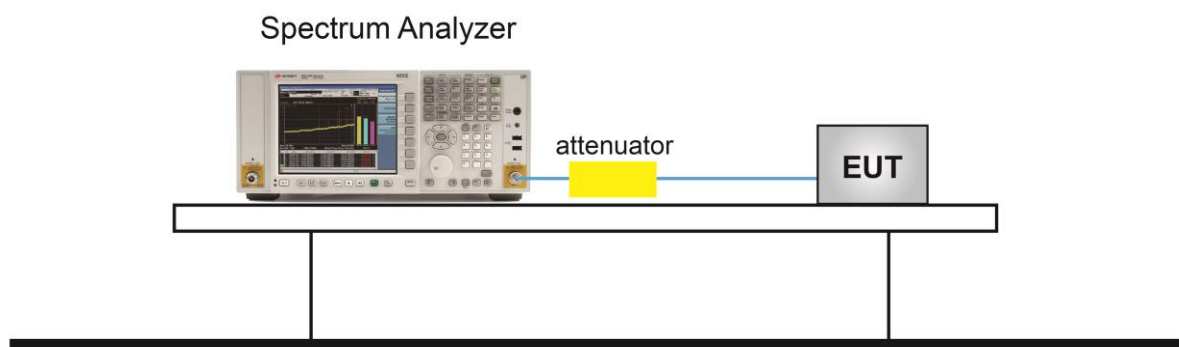
依據國家通訊傳播委員會低功率射頻器材技術規範之第 4.10.1.6(2)(B)節，在使用頻率範圍之任意 3 千赫(kHz)頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm。

5.8.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端。找出發射峰值並擴展於通帶內，設定頻譜分析儀之解析度頻寬為 3kHz，視訊頻寬大於解析度頻寬，掃瞄時間為頻率掃瞄範圍除以 3kHz。
($\text{SWEEP TIME} = \text{SPAN}/3\text{kHz}$)。

待測物應在正常發射狀態下量測。

5.8.3. 測試架構圖



5.8.4. 功率密度量測結果

待測物名稱	AC750 Wi-Fi 訊號延伸器	溫度	23 ~ 25°C
測試工程師	Eric Lin	濕度	46 ~ 54%
測試場地	SR1	測試日期	2021/02/28
測試項目	Power Spectral Density	測試模式	CDD Mode

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/10kHz)	Ant 1 PSD (dBm/10kHz)	Duty Cycle (%)	10*log(1/x)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
CDD Mode										
802.11b	1Mbps	01	2412	-7.83	-7.80	98.77	0.05	-4.80	≤ 8.00	Pass
802.11b	1Mbps	06	2437	-7.48	-7.87	98.77	0.05	-4.66	≤ 8.00	Pass
802.11b	1Mbps	11	2462	-8.95	-7.31	98.77	0.05	-5.04	≤ 8.00	Pass
802.11g	6Mbps	01	2412	-11.23	-11.38	97.56	0.11	-8.19	≤ 8.00	Pass
802.11g	6Mbps	06	2437	-9.07	-9.27	97.56	0.11	-6.05	≤ 8.00	Pass
802.11g	6Mbps	11	2462	-12.16	-11.55	97.56	0.11	-8.73	≤ 8.00	Pass
802.11n-HT20	MCS0	01	2412	-10.94	-10.53	94.16	0.26	-7.46	≤ 8.00	Pass
802.11n-HT20	MCS0	06	2437	-9.44	-8.54	94.16	0.26	-5.70	≤ 8.00	Pass
802.11n-HT20	MCS0	11	2462	-12.97	-11.34	94.16	0.26	-8.81	≤ 8.00	Pass
802.11n-HT40	MCS0	03	2422	-17.65	-16.91	87.92	0.56	-13.69	≤ 8.00	Pass
802.11n-HT40	MCS0	06	2437	-13.54	-12.78	87.92	0.56	-9.57	≤ 8.00	Pass
802.11n-HT40	MCS0	09	2452	-17.64	-16.58	87.92	0.56	-13.51	≤ 8.00	Pass

Note:

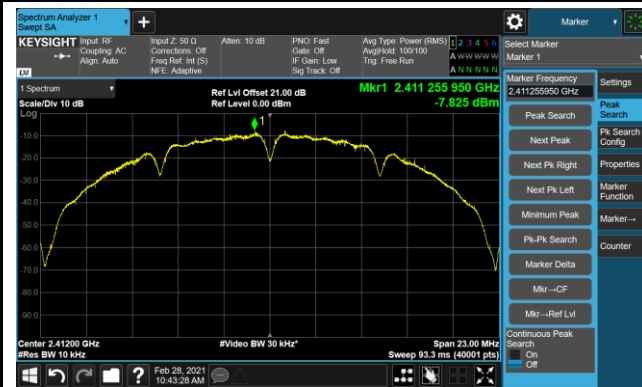
When duty cycle > 98%, Total AVGPSPD = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSPD}/10)} + 10^{(\text{Ant 1 AVGPSPD}/10)}\}$.

When duty cycle ≤ 98%, Total AVGPSPD = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSPD}/10)} + 10^{(\text{Ant 1 AVGPSPD}/10)}\} + 10 \cdot \log(1/\text{Duty Cycle})$.

待測物名稱	AC750 Wi-Fi 訊號延伸器	溫度	23 ~ 25°C
測試工程師	Eric Lin	濕度	46 ~ 54%
測試場地	SR1	測試日期	2021/02/28
測試項目	Power Spectral Density	測試模式	CDD Mode

802.11b AVGPSPD - Ant 0 / Ant 0 + 1 – CDD Mode

Channel 01 (2412MHz)



Channel 06 (2437MHz)

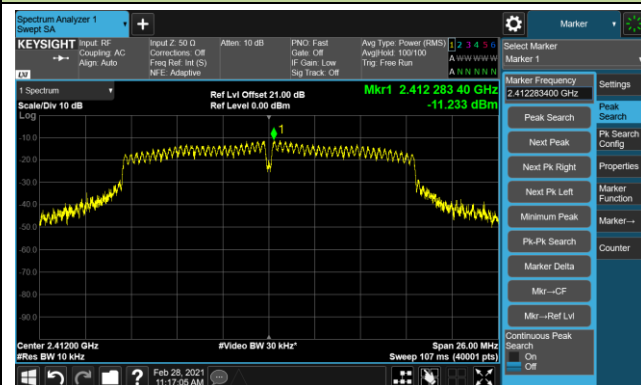


Channel 11 (2462MHz)

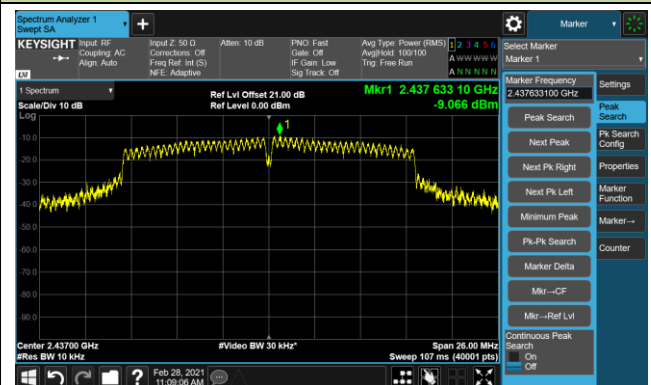


802.11g AVGPSD - Ant 0 / Ant 0 + 1 – CDD Mode

Channel 01 (2412MHz)



Channel 06 (2437MHz)

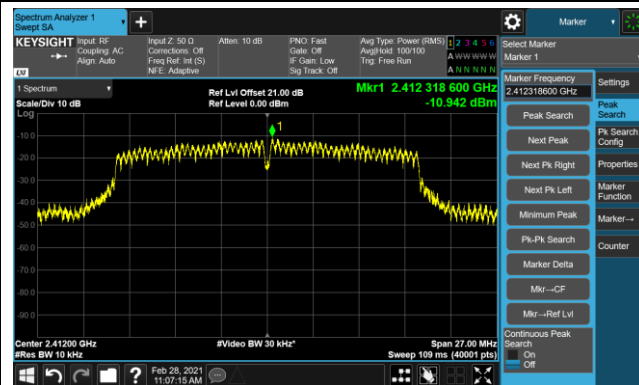


Channel 11 (2462MHz)

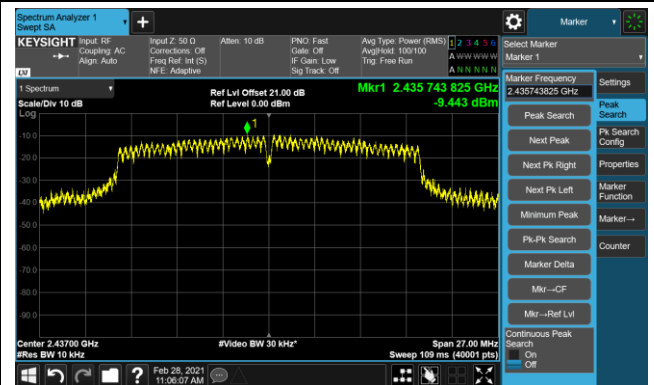


802.11n-HT20 AVGPSPD - Ant 0 / Ant 0 + 1 – CDD Mode

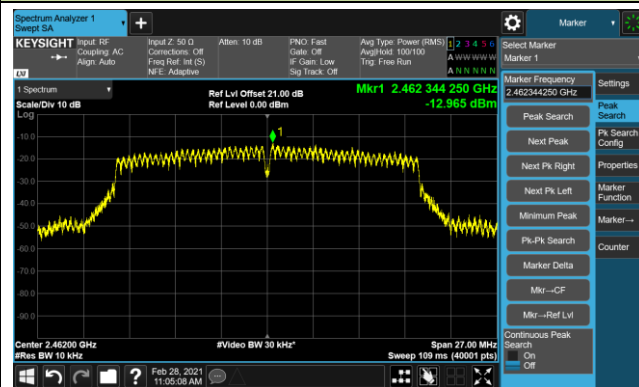
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT40 AVGPSPD - Ant 0 / Ant 0 + 1 – CDD Mode

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

