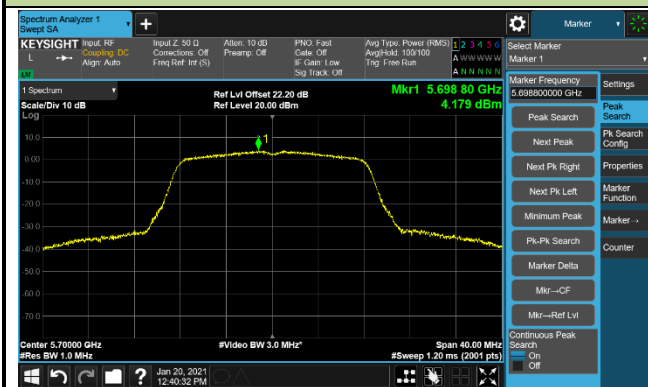
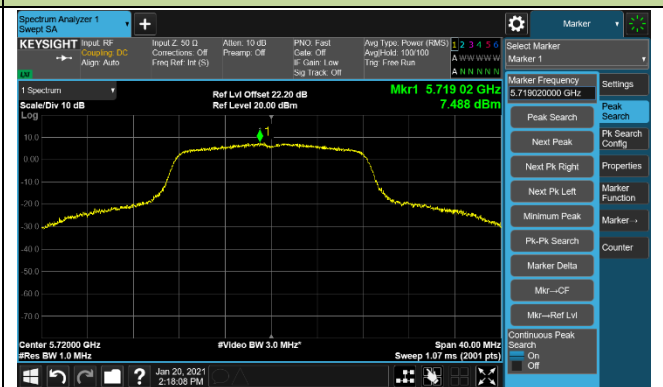


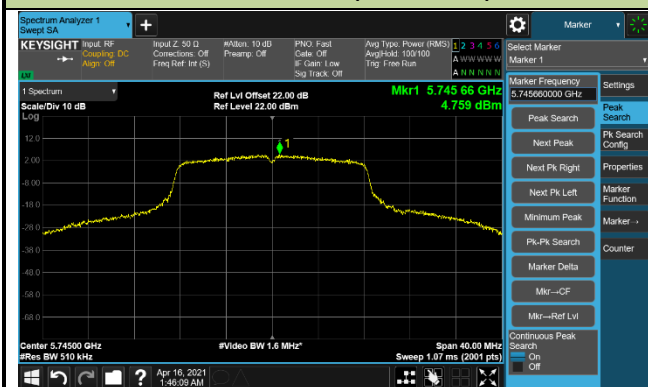
Channel 140 (5700MHz)



Channel 144 (5720MHz)



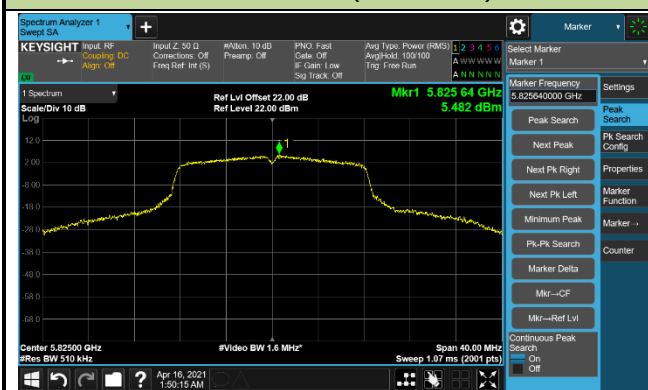
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

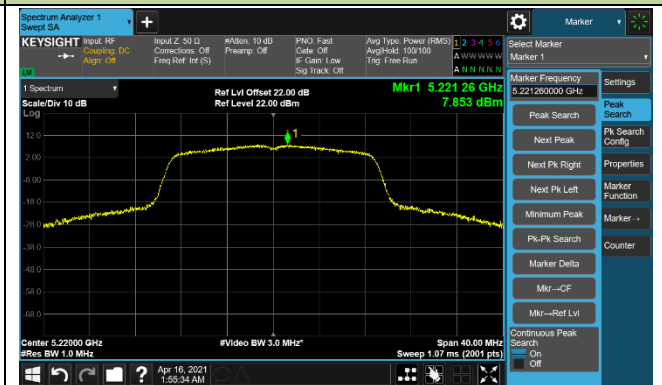


802.11ac-VHT20 Power Spectral Density – Ant 0/Ant 0 + 1

Channel 36 (5180MHz)



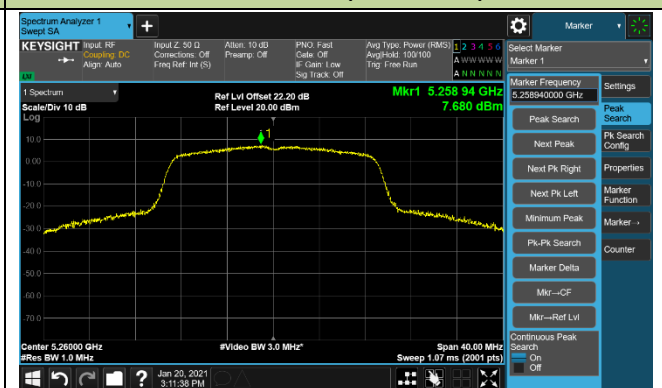
Channel 44 (5220MHz)



Channel 48 (5240MHz)



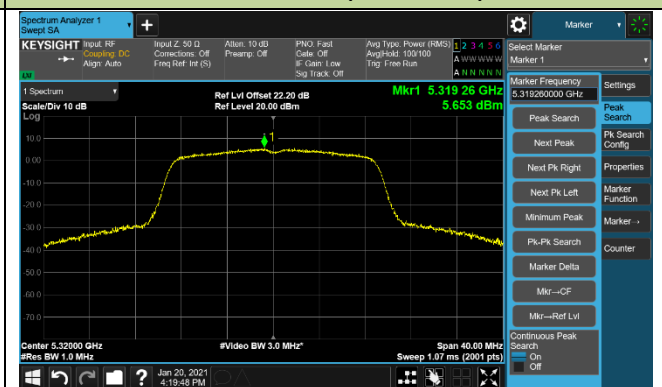
Channel 52 (5260MHz)



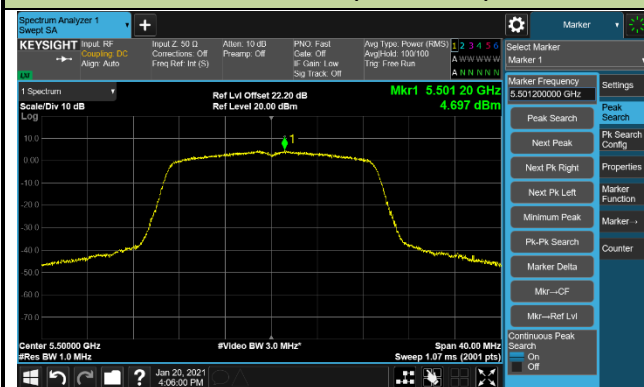
Channel 60 (5300MHz)



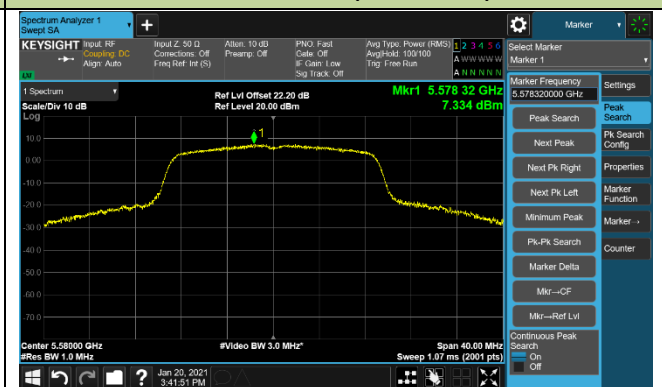
Channel 64 (5320MHz)

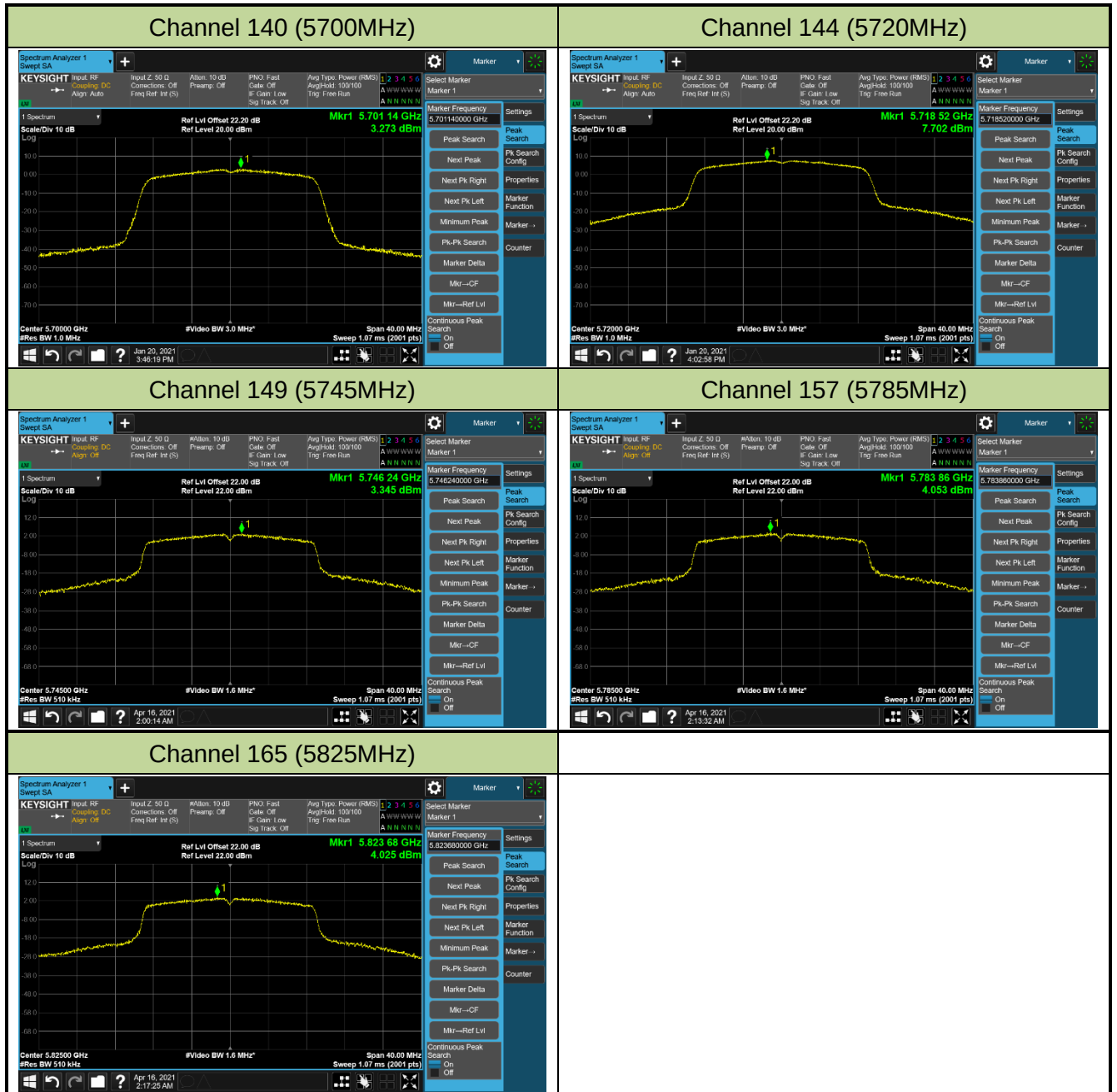


Channel 100 (5500MHz)



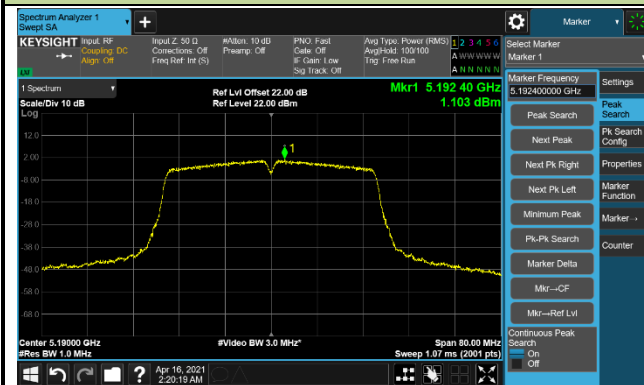
Channel 116 (5580MHz)



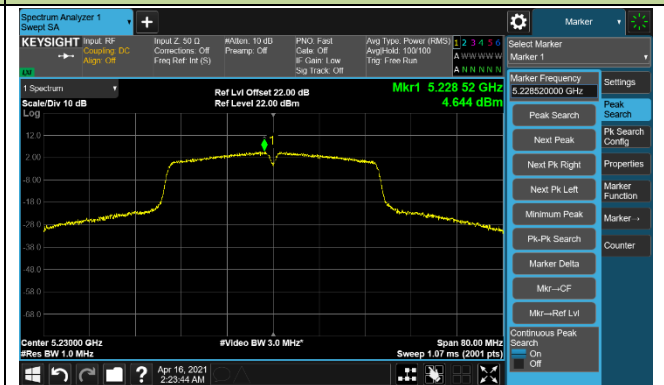


802.11ac-VHT40 Power Spectral Density – Ant 0/Ant 0 + 1

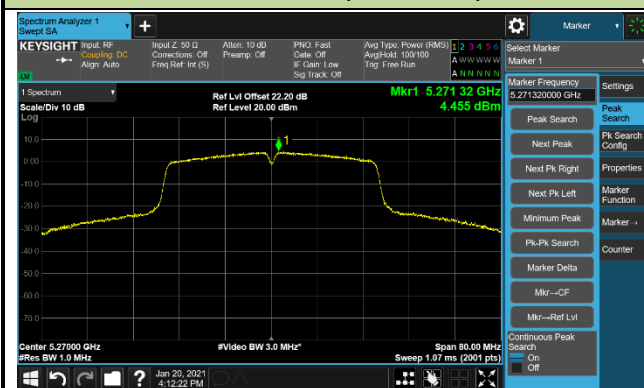
Channel 38 (5190MHz)



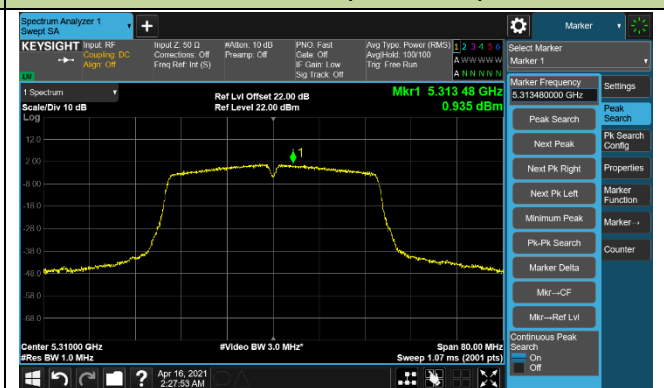
Channel 46 (5230MHz)



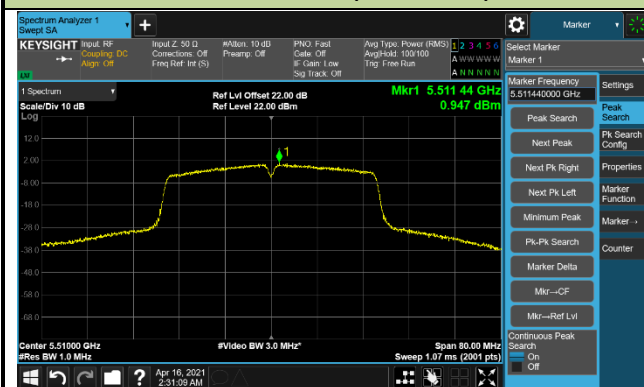
Channel 54 (5270MHz)



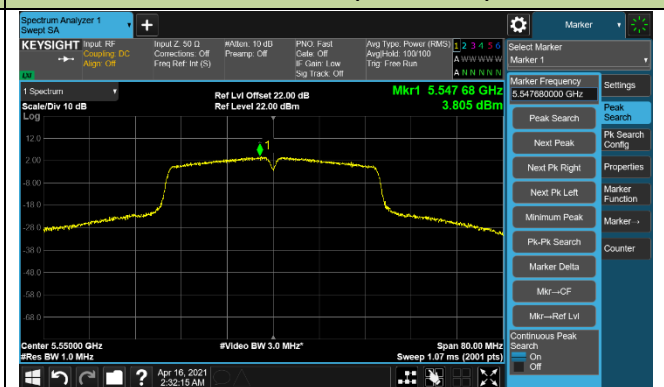
Channel 62 (5310MHz)



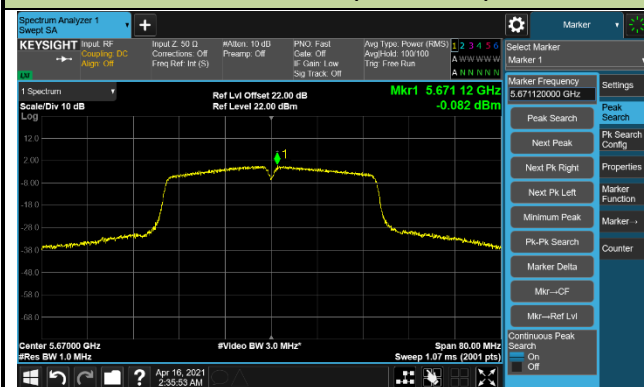
Channel 102 (5510MHz)



Channel 110 (5550MHz)



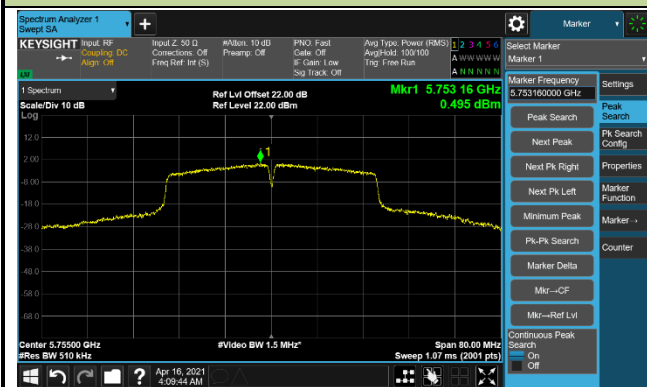
Channel 134 (5670MHz)



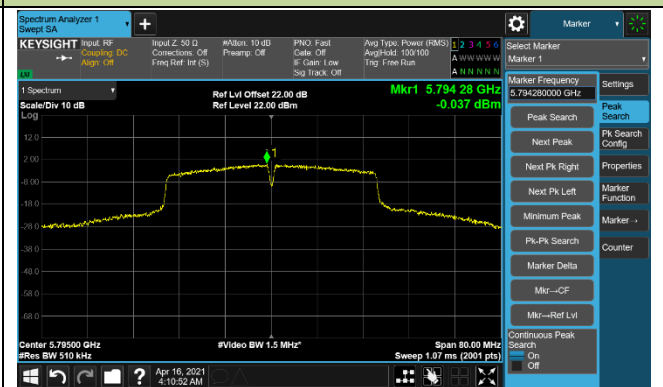
Channel 142 (5710MHz)



Channel 151 (5755MHz)

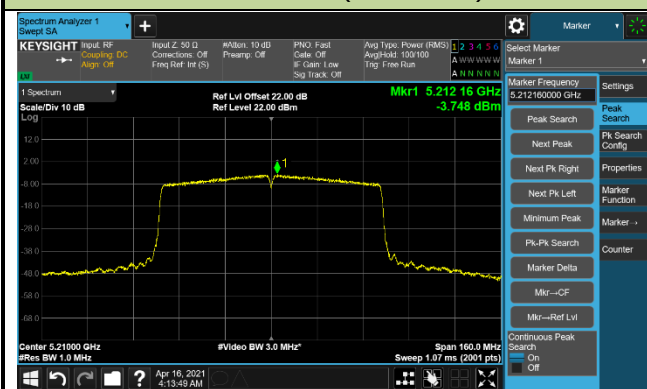


Channel 159 (5795MHz)



802.11ac-VHT80 Power Spectral Density – Ant 0/Ant 0 + 1

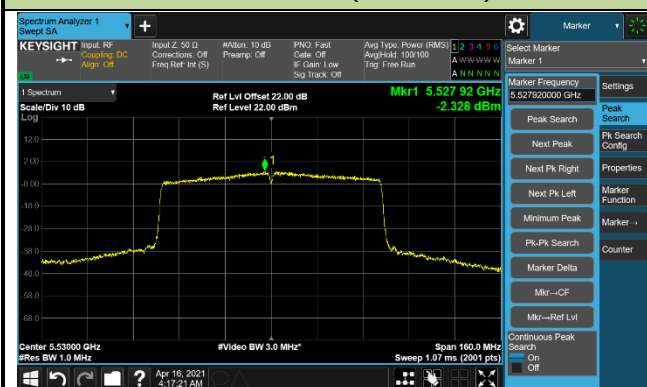
Channel 42 (5210MHz)



Channel 58 (5290MHz)



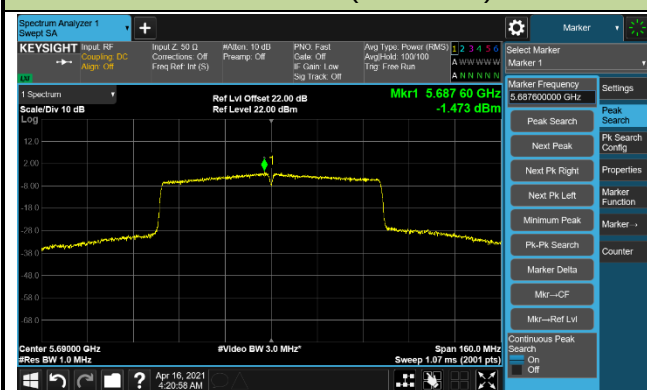
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)

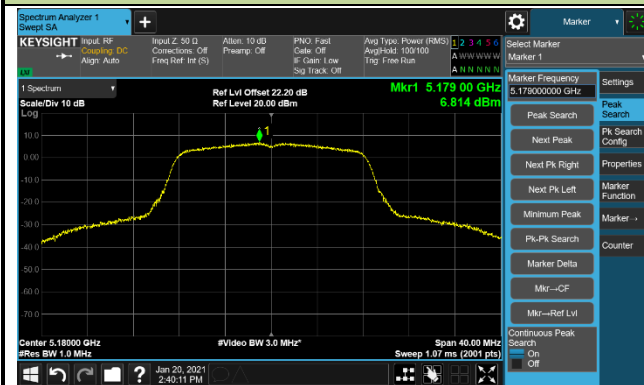


Channel 155 (5775MHz)

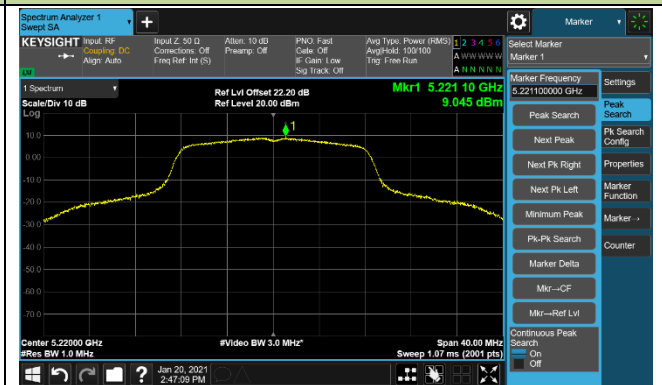


802.11a Power Spectral Density – Ant 1/Ant 0 + 1

Channel 36 (5180MHz)



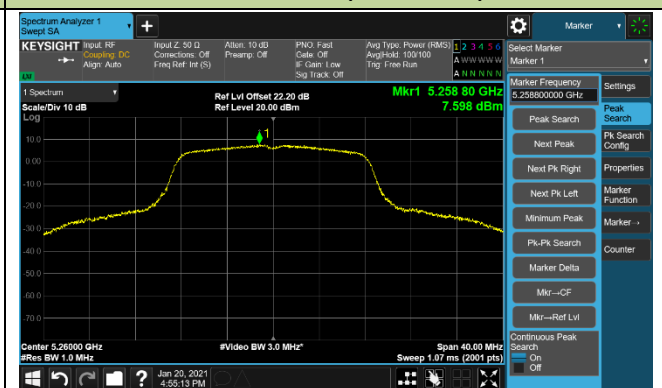
Channel 44 (5220MHz)



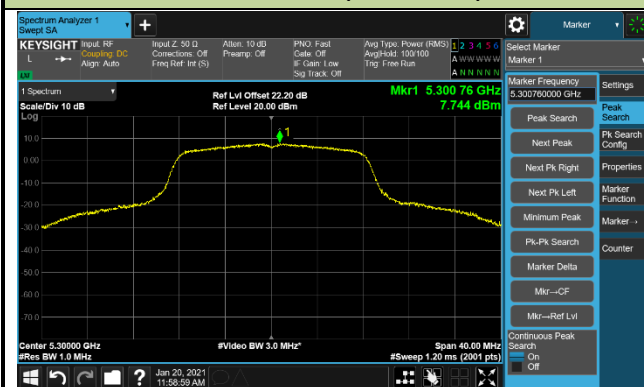
Channel 48 (5240MHz)



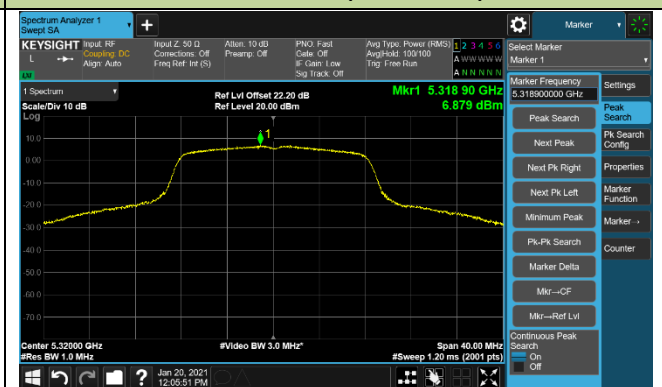
Channel 52 (5260MHz)



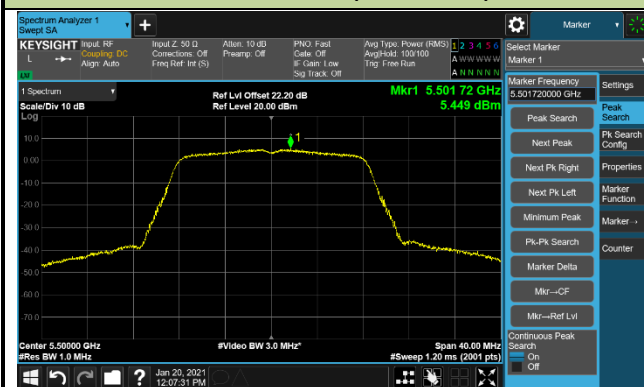
Channel 60 (5300MHz)



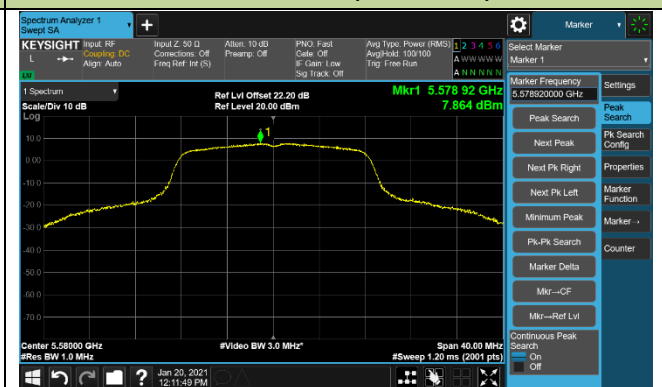
Channel 64 (5320MHz)

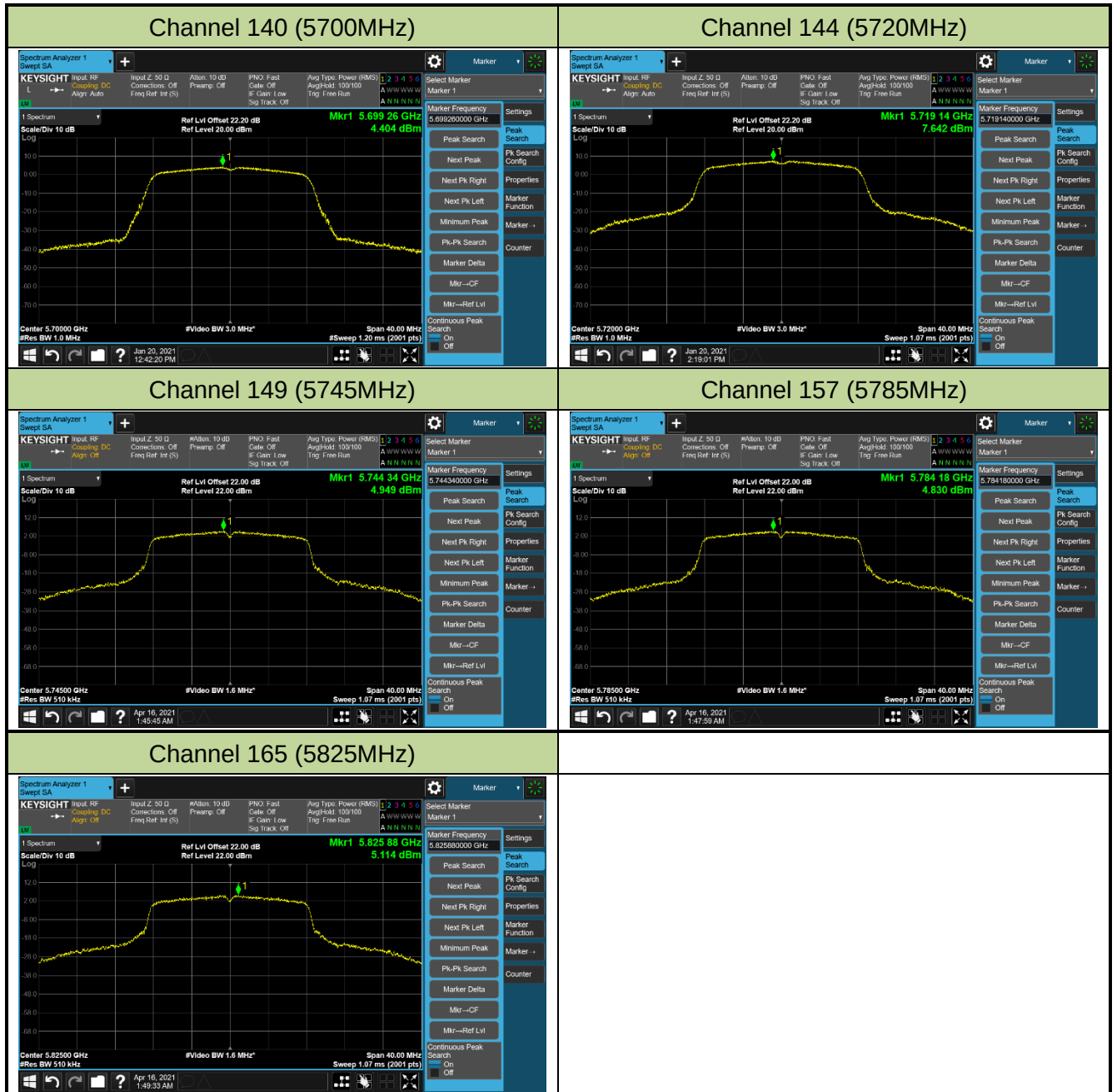


Channel 100 (5500MHz)



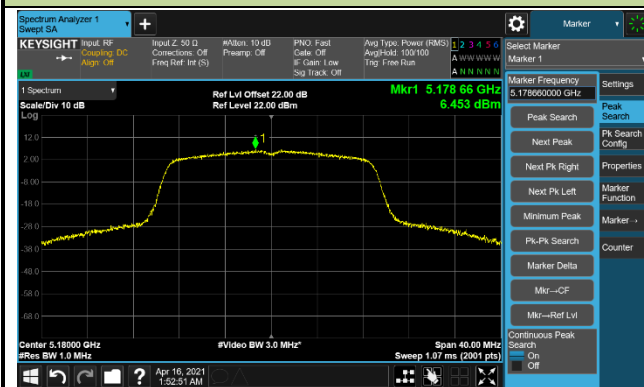
Channel 116 (5580MHz)



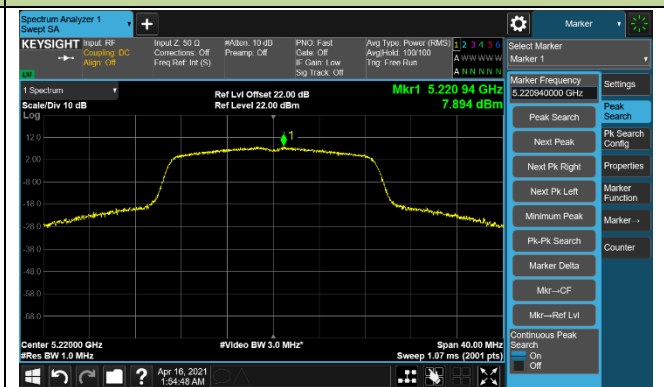


802.11ac-VHT20 Power Spectral Density – Ant 1/Ant 0 + 1

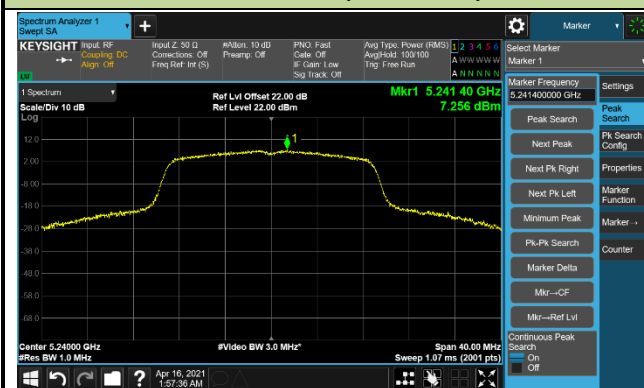
Channel 36 (5180MHz)



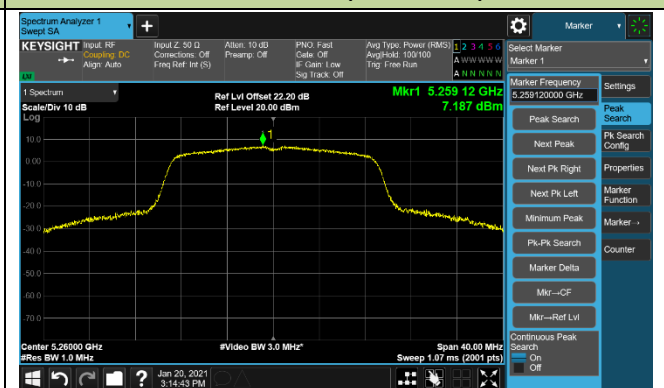
Channel 44 (5220MHz)



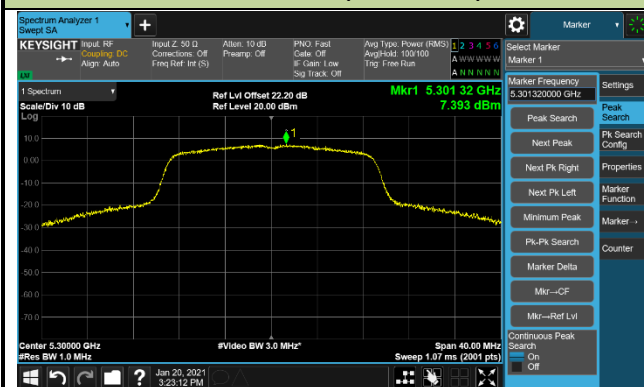
Channel 48 (5240MHz)



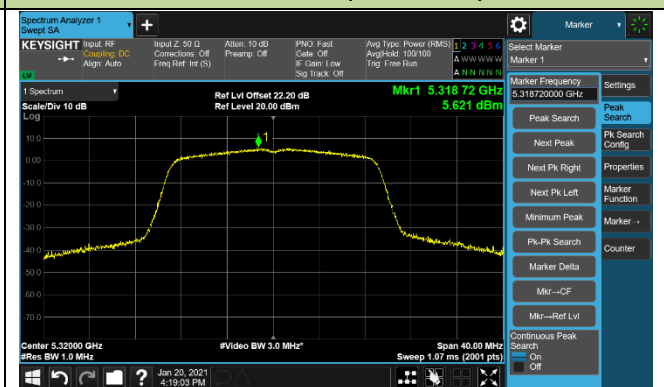
Channel 52 (5260MHz)



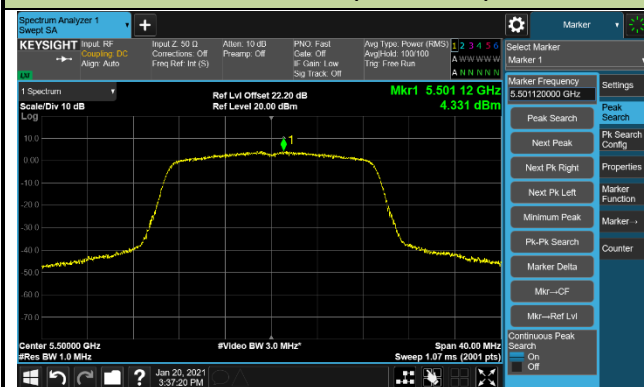
Channel 60 (5300MHz)



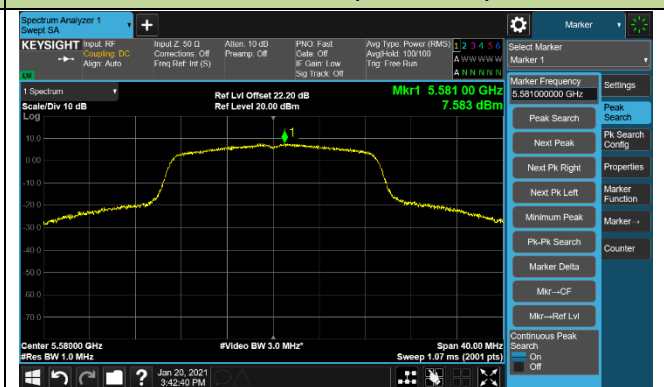
Channel 64 (5320MHz)



Channel 100 (5500MHz)



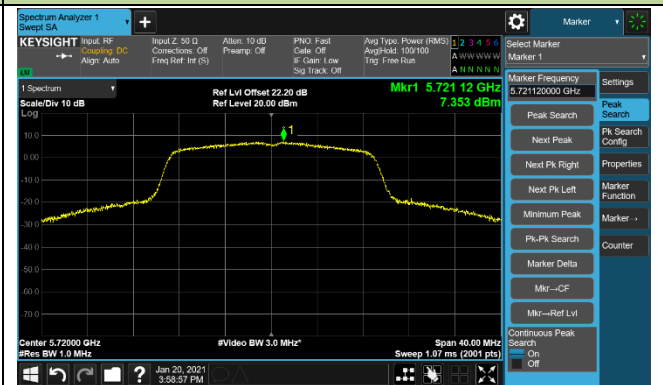
Channel 116 (5580MHz)



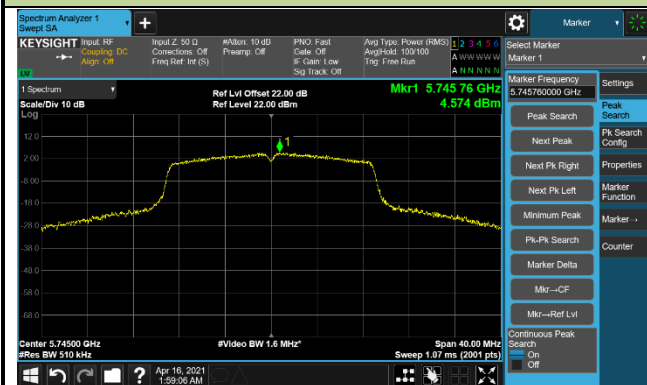
Channel 140 (5700MHz)



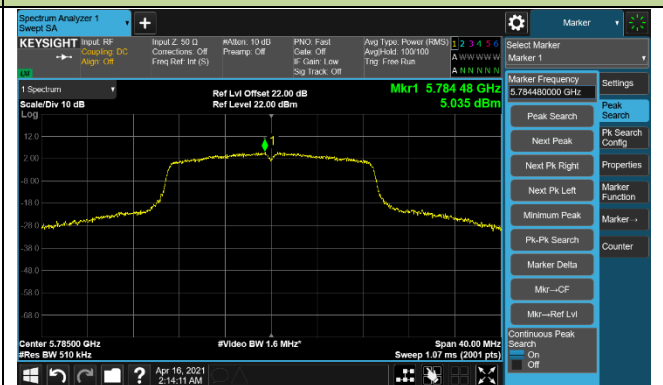
Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

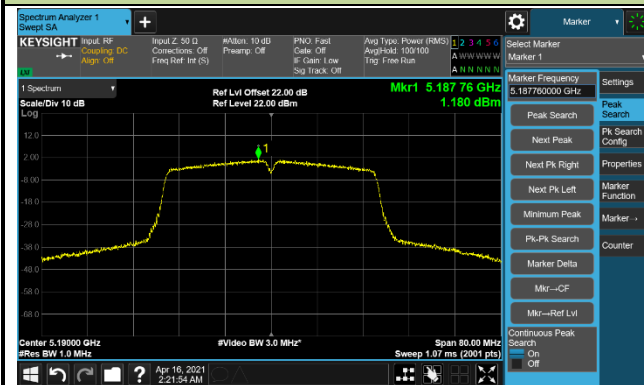


Channel 165 (5825MHz)

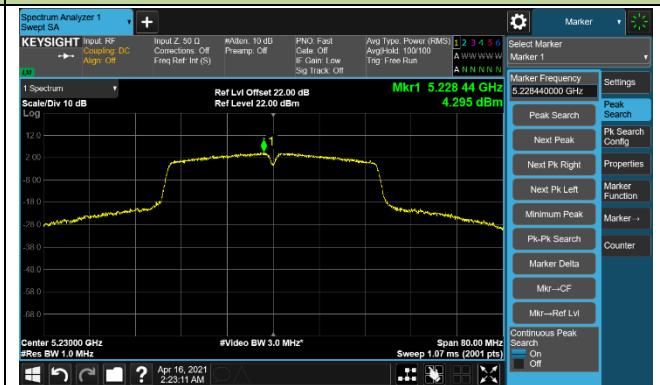


802.11ac-VHT40 Power Spectral Density – Ant 1/Ant 0 + 1

Channel 38 (5190MHz)



Channel 46 (5230MHz)



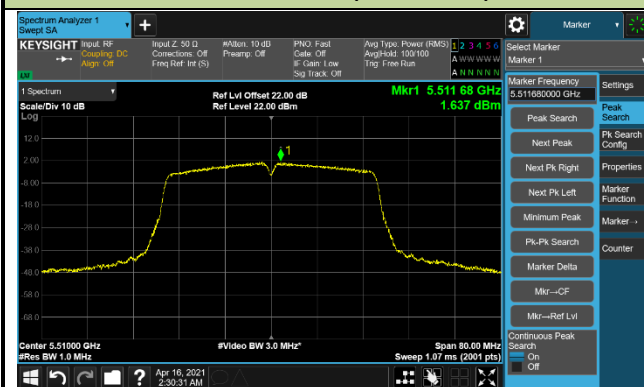
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)

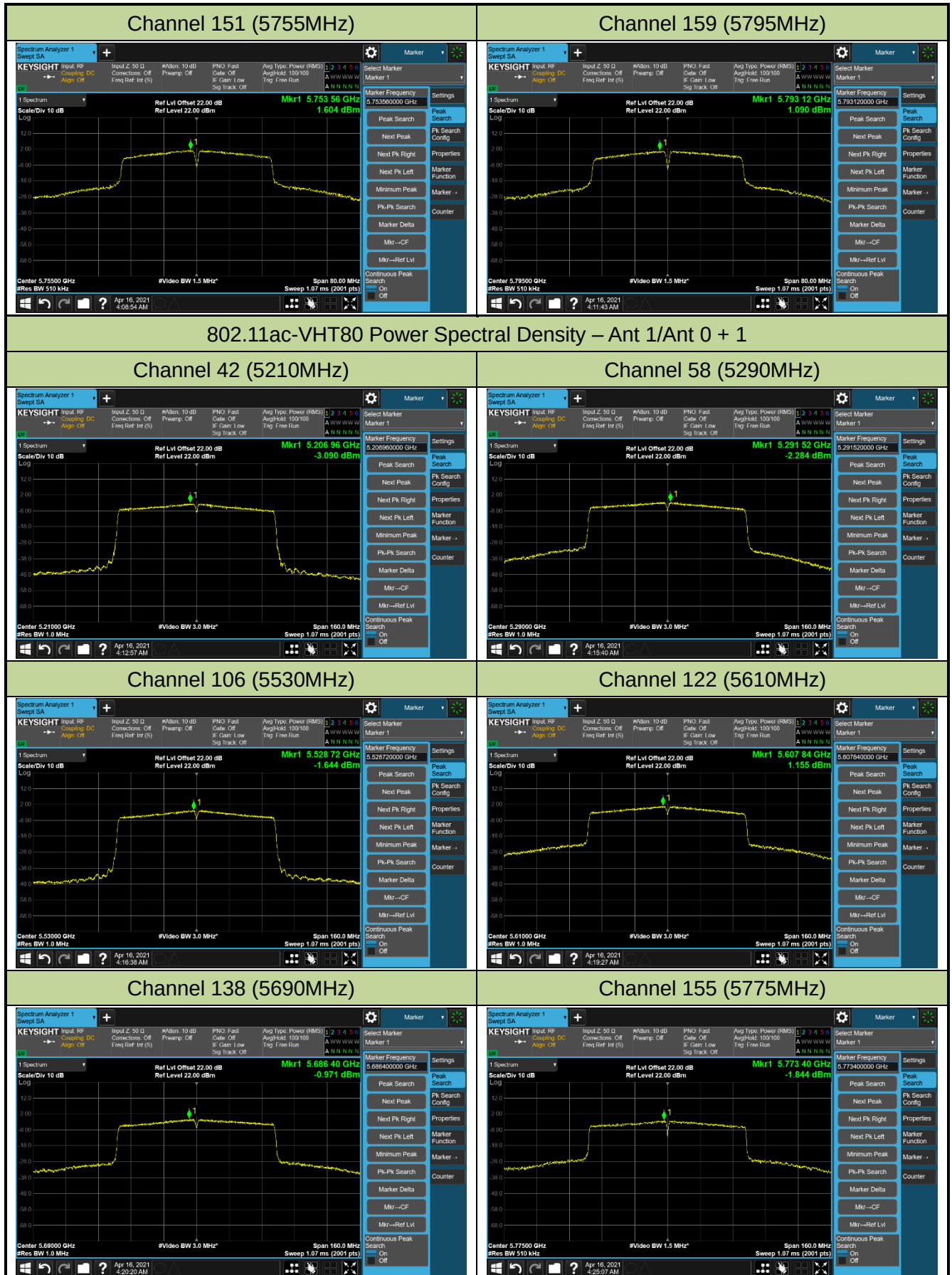


Channel 134 (5670MHz)



Channel 142 (5710MHz)



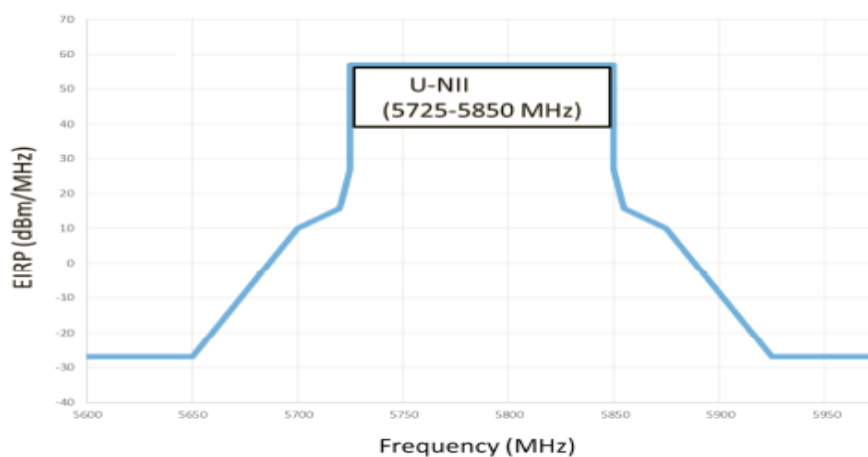


5.7. 操作頻帶外的峰值發射

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 5.7.3 節：

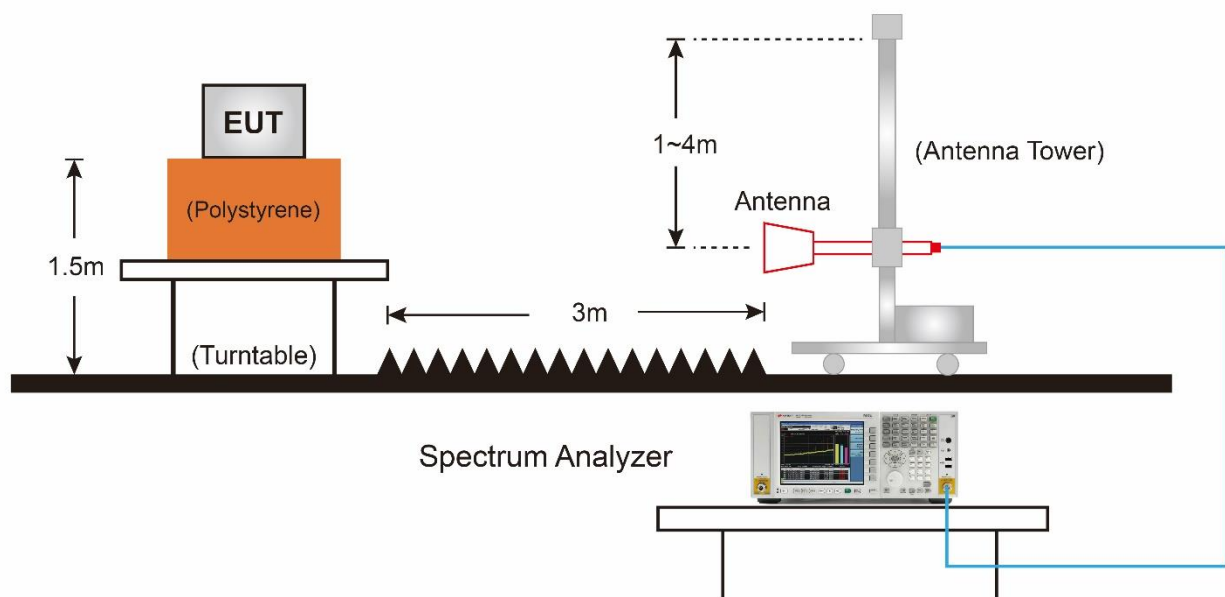
- (1) 在 5.15 GHz~5.35 GHz 及 5.470 GHz~5.725 GHz 頻段操作的發射器：帶外發射之有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。
- (2) 在 5.725 GHz~5.850 GHz 的頻段操作之發射器：所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP) $\leq$ 27 dBm/MHz~15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz~25 MHz，有效等向輻射功率(EIRP) $\leq$ 15.6 dBm/MHz~10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz~75 MHz，有效等向輻射功率(EIRP) $\leq$ 10 dBm/MHz~-27 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 $\geq$ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz；



5.7.2. 量測方法

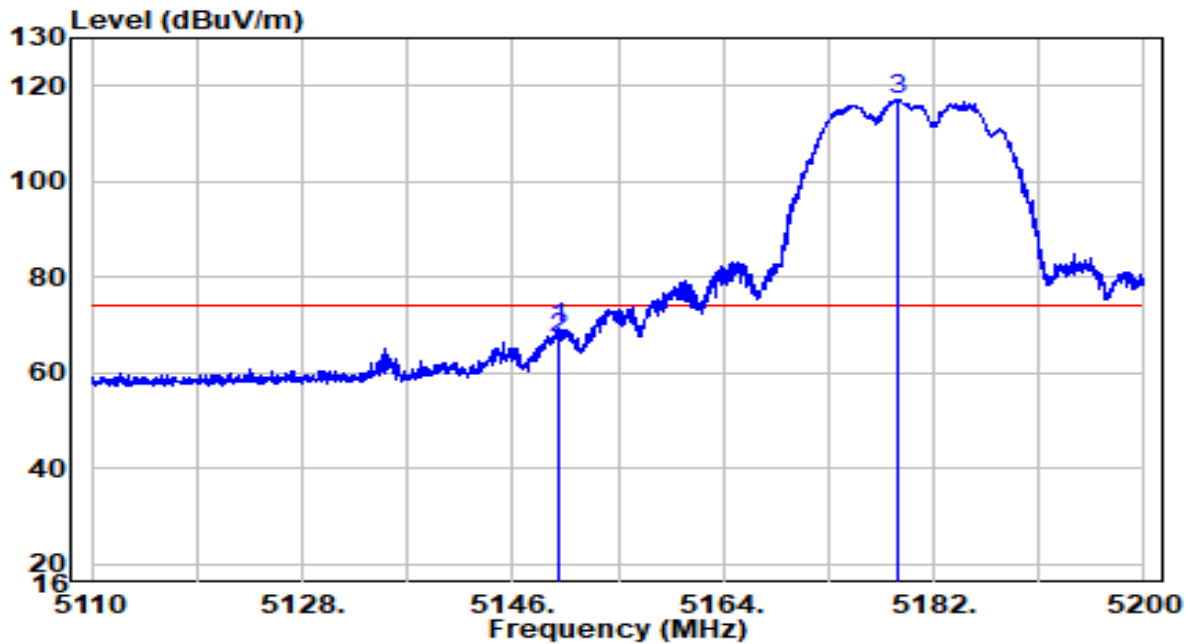
高頻待測物置於高 150 公分之非導體桌面，受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度。接收天線並應於水準及垂直極化方向各量測一次。

5.7.3. 測試架構圖



5.7.4. 操作頻帶外的峰值發射測試結果

EUT	AC1200 Wi-Fi 訊號延伸器	Date of Test	2021-01-20
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.4°C/15%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

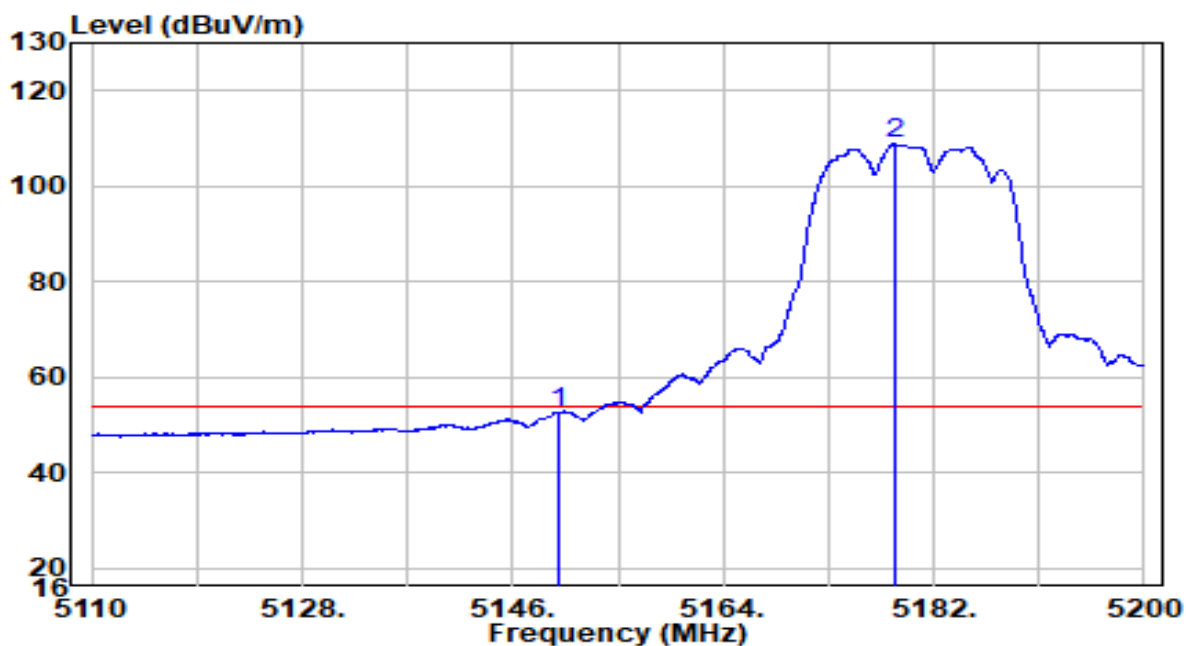


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	5149.915	49.65	19.91	69.55	-4.45	74.00	Peak
2	5150.000	47.11	19.91	67.02	-6.98	74.00	Peak
3	* 5178.850	97.10	19.94	117.04	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)+ 16dB Attenuation (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	AC1200 Wi-Fi 訊號延伸器	Date of Test	2021-01-20
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.4°C/15%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

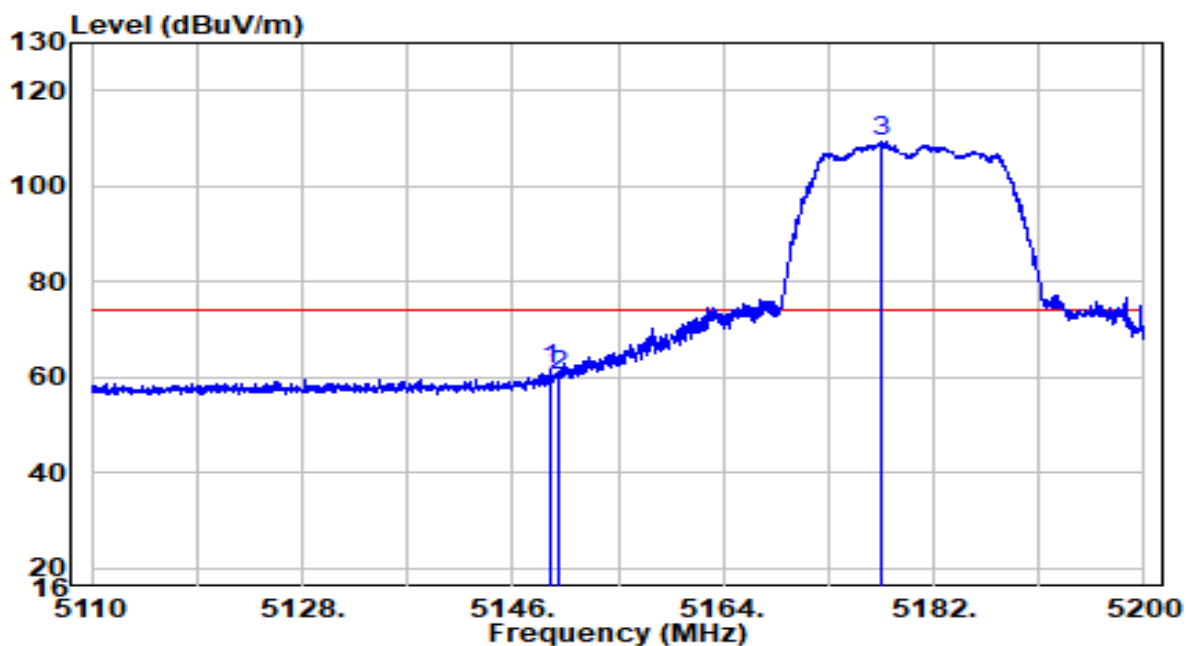


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	5150.000	32.79	19.91	52.70	-1.30	54.00	Average
2	* 5178.715	89.02	19.94	108.96	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)+ 16dB Attenuation (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	AC1200 Wi-Fi 訊號延伸器	Date of Test	2021-01-20
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.4°C/15%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

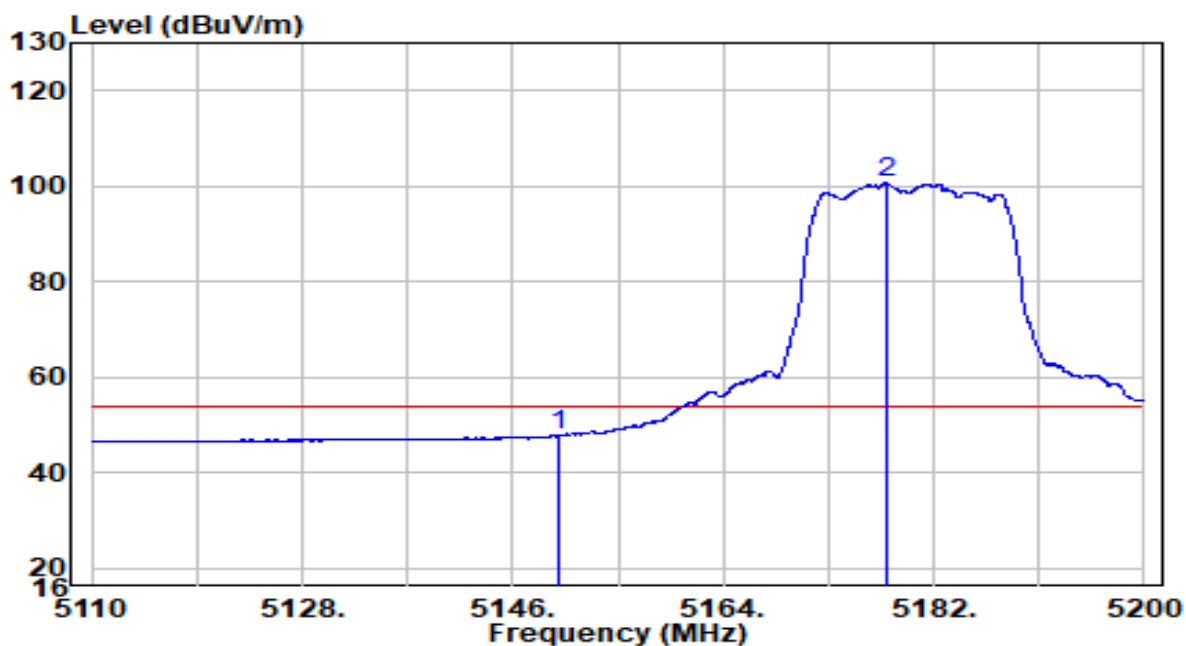


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	5149.150	41.78	19.91	61.68	-12.32	74.00	Peak
2	5150.000	40.28	19.91	60.19	-13.81	74.00	Peak
3	* 5177.545	89.52	19.93	109.45	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)+ 16dB Attenuation (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	AC1200 Wi-Fi 訊號延伸器	Date of Test	2021-01-20
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.4°C/15%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

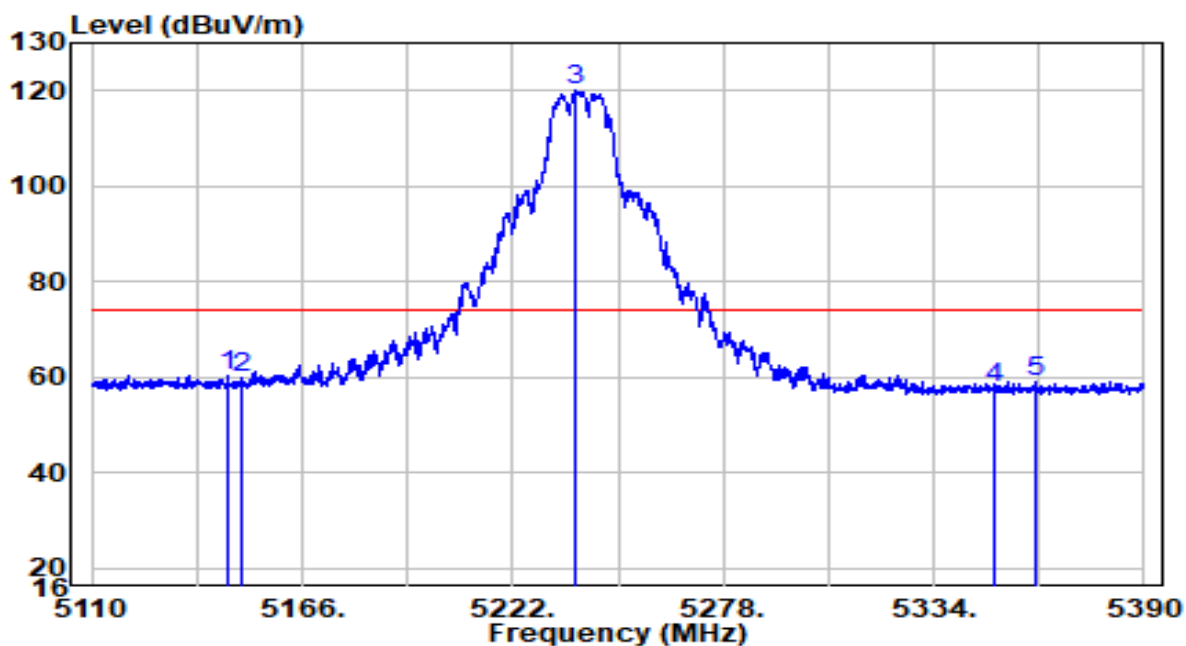


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	5150.000	27.97	19.91	47.88	-6.12	54.00	Average
2	* 5177.950	80.69	19.94	100.63	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)+ 16dB Attenuation (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	AC1200 Wi-Fi 訊號延伸器	Date of Test	2021-01-20
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.4°C/15%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5240MHz	Test Voltage	110V/60Hz

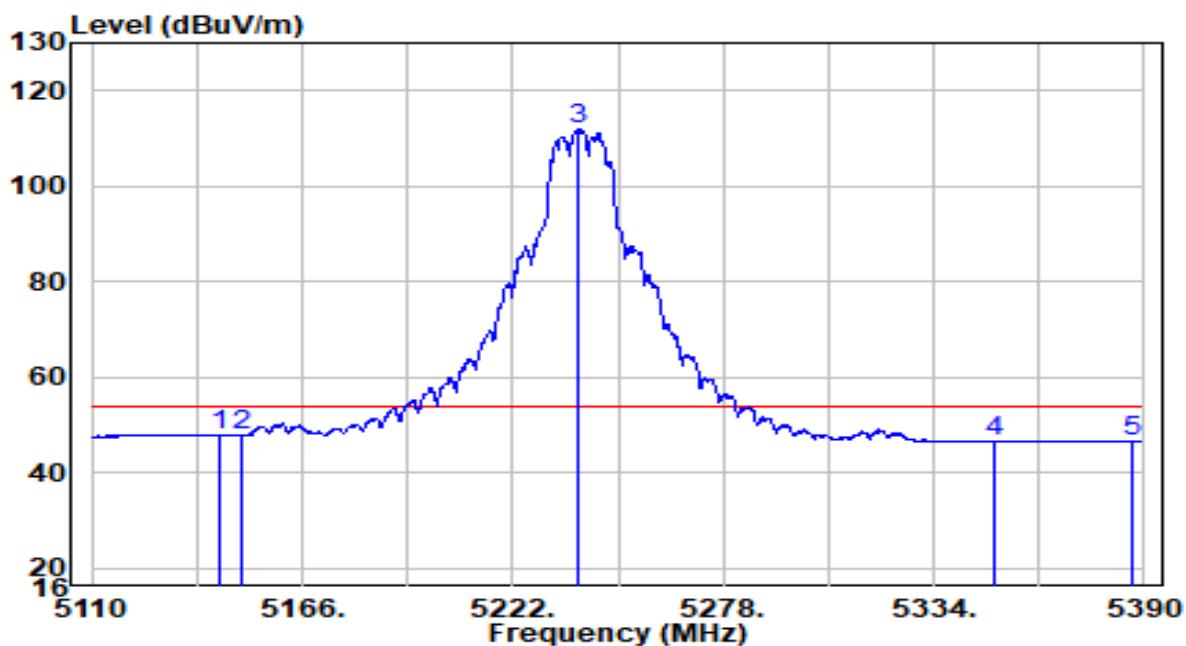


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	5146.260	40.35	19.90	60.25	-13.75	74.00	Peak
2	5150.000	39.91	19.91	59.82	-14.18	74.00	Peak
3	* 5238.660	99.95	20.00	119.94	N/A	N/A	Peak
4	5350.000	37.69	20.11	57.80	-16.20	74.00	Peak
5	5360.880	38.76	20.13	58.89	-15.11	74.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)+ 16dB Attenuation (dB)– Preamplifier(dB).
- Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1200 Wi-Fi 訊號延伸器	Date of Test	2021-01-20
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.4°C/15%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5240MHz	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	5143.880	28.14	19.90	48.04	-5.96	54.00	Average
2	5150.000	27.84	19.91	47.74	-6.26	54.00	Average
3	* 5239.500	91.76	20.00	111.76	N/A	N/A	Average
4	5350.000	26.40	20.11	46.51	-7.49	54.00	Average
5	5386.920	26.60	20.15	46.75	-7.25	54.00	Average

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)+ 16dB Attenuation (dB)– Preamplifier(dB).
- Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.