

6. 峰值功率頻譜密度

6.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.3 節

4.7.3.1 使用於 5.15 GHz~5.25 GHz 頻段

(1) 供戶外操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (D) 在水平面仰角超過 30 度時，其最大 EIRP 應小於或等於 21 dBm。

(2) 供室內操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3) 供固定式點對點操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (D) 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4) 供用戶端裝置(Client Device)操作使用:

- (A) 最大傳導輸出功率應小於或等於 250 mW。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 11 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4.7.3.2 使用頻率於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻段

- (1) 最大傳導輸出功率應小於或等於 250 mW 或 $11\text{dBm} + 10\log B$ (B 是 26 dB 發射頻寬，單位 MHz)之較小者。
- (2) 最大功率頻譜密度在任何 1 MHz 頻帶中應小於或等於 11 dBm。
- (3) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4.7.3.3 使用頻率於 5.725 GHz~5.850 GHz 頻段

- (1) 最大傳導輸出功率應小於或等於 1 W。
- (2) 在任何 500 kHz 頻帶中最大功率頻譜密度應小於或等於 30 dBm。
- (3) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (4) 除(3)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度

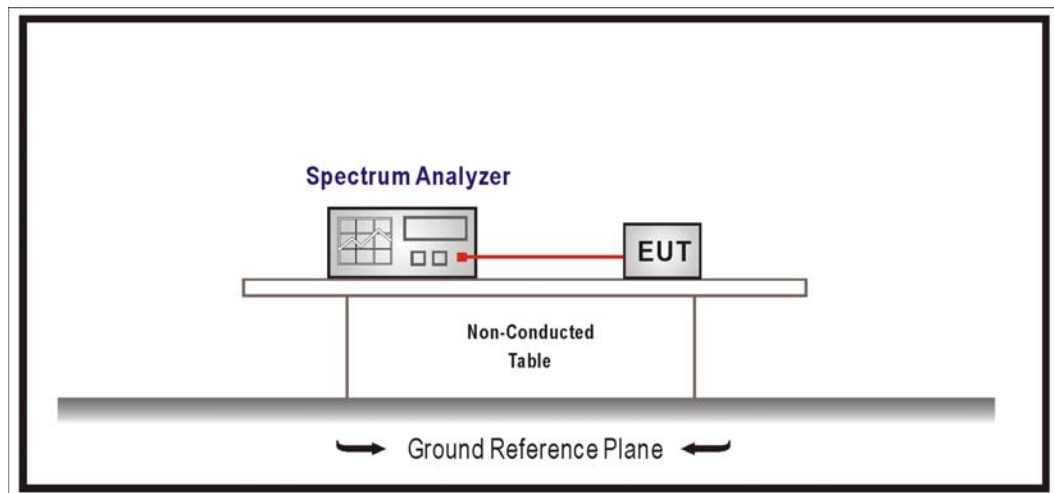
6.2. 量測方法

- (A) 應將測試儀器直接連接待測物，以傳導方式執行。
- (B) 5.15 GHz~5.25 GHz、5.25 GHz~5.35 GHz 及 5.47 GHz~5.725 GHz 頻段，測試儀器之頻寬應設定為 1 MHz 頻寬或待測物之 26 dB 發射頻寬，兩者取較小者。
- (C) 5.725 GHz~5.850 GHz 頻段，測試儀器之頻寬應設定為 500 kHz 或待測物之 26 dB 發射頻寬，兩者取較小者。

- (D) 解析頻寬小於(B)或(C)時，應以補償方式計算總功率頻譜密度。

For the band 5.725-5.85 GHz, Scale the observed power level to an equivalent value in 500 kHz by adjusting (increase) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500\text{ kHz}/100\text{ kHz}) = 6.98\text{ dB}$.

6.3. 測試架構圖



6.4. 量測不確定度

此項測試之量測不確定度為 $\pm 1.62\text{ dB}$ 。

6.5. 峰值功率頻譜密度測試結果

待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11a

視頻頻寬：1MHz

環境溫度：21 °C

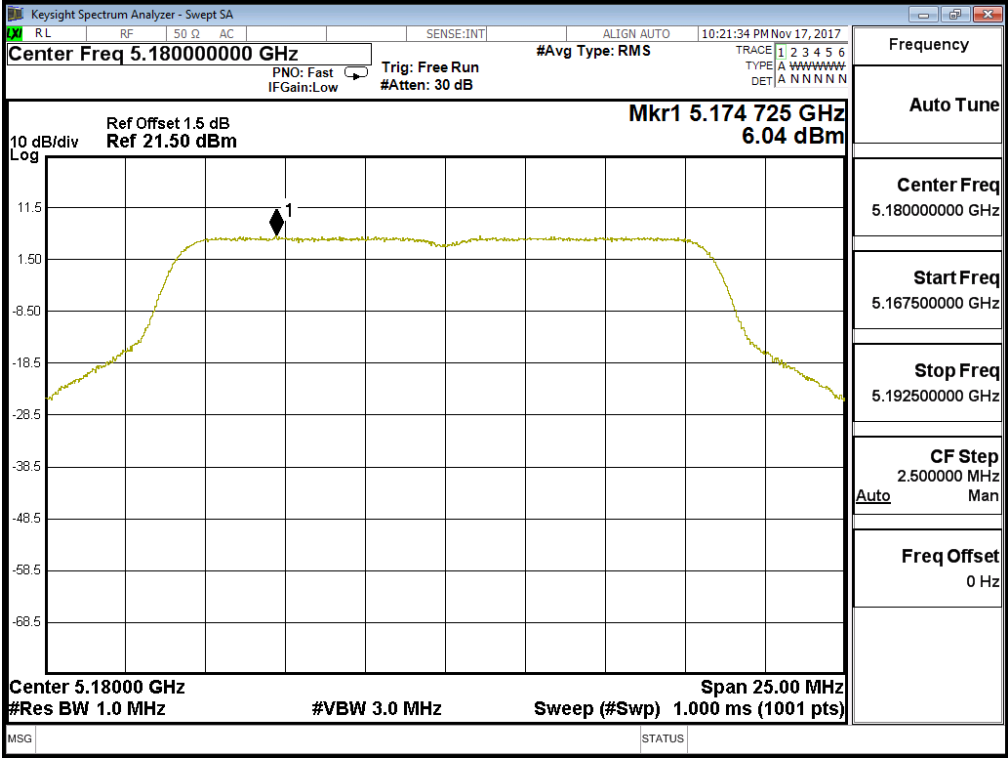
環境濕度：53 %

Channel Number	Frequency (MHz)	Data Rate (Mbps)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	6	6.040	11	Pass
44	5220	6	9.230	11	Pass
48	5240	6	9.040	11	Pass
52	5260	6	8.900	11	Pass
60	5300	6	9.140	11	Pass
64	5320	6	3.770	11	Pass
100	5500	6	4.470	11	Pass
116	5580	6	9.320	11	Pass
140	5700	6	5.680	11	Pass

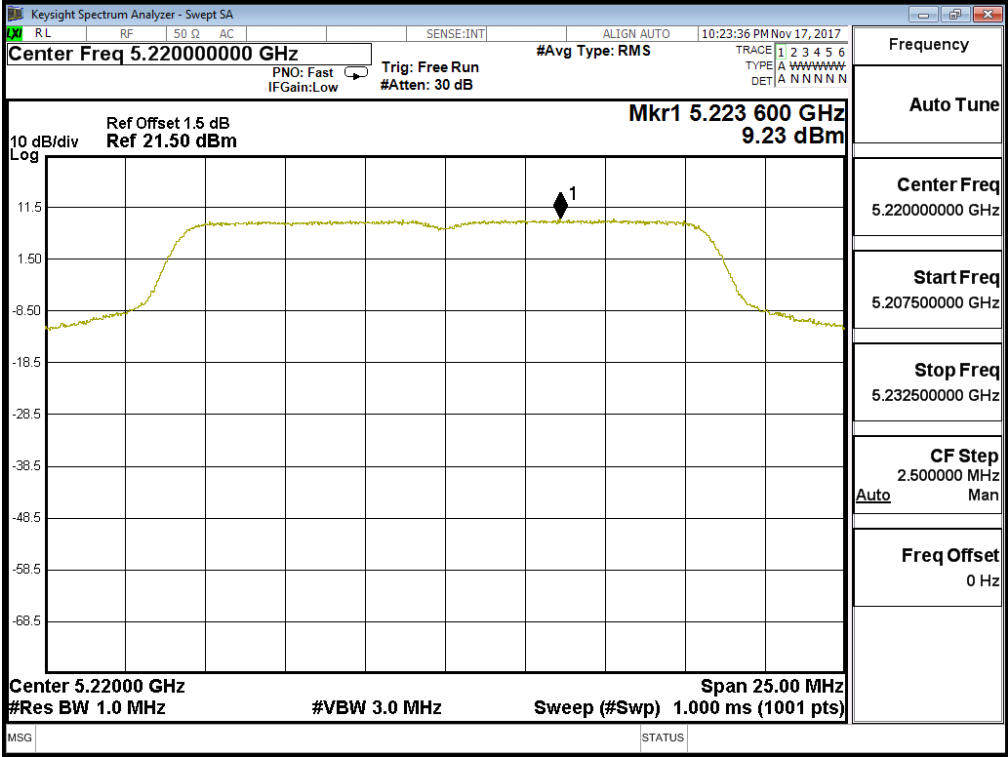
Channel Number	Frequency (MHz)	Data Rate (Mbps)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
149	5745	6	-0.200	6.980	6.780	<30	Pass
157	5785	6	-0.430	6.980	6.550	<30	Pass
165	5825	6	-0.290	6.980	6.690	<30	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

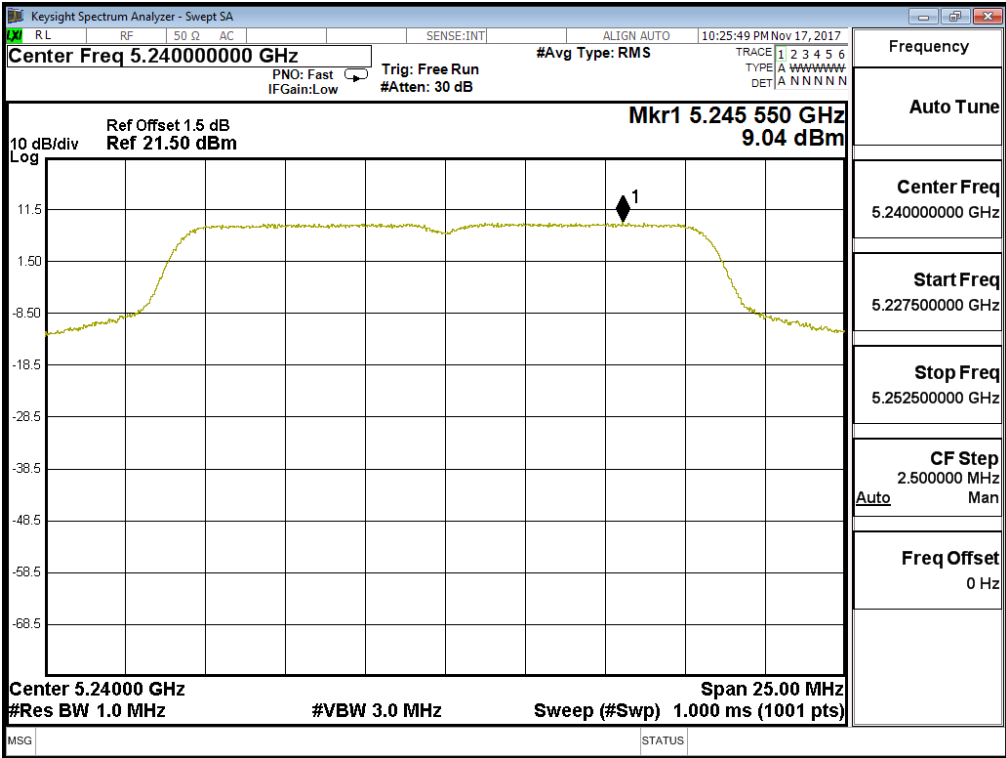
Channel 36:



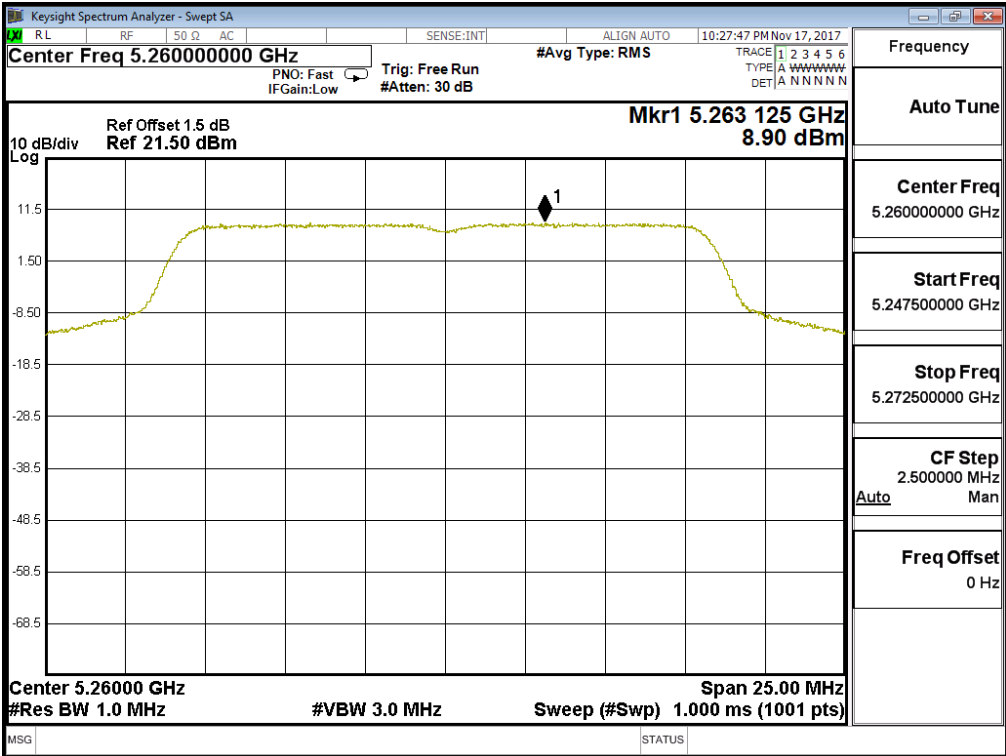
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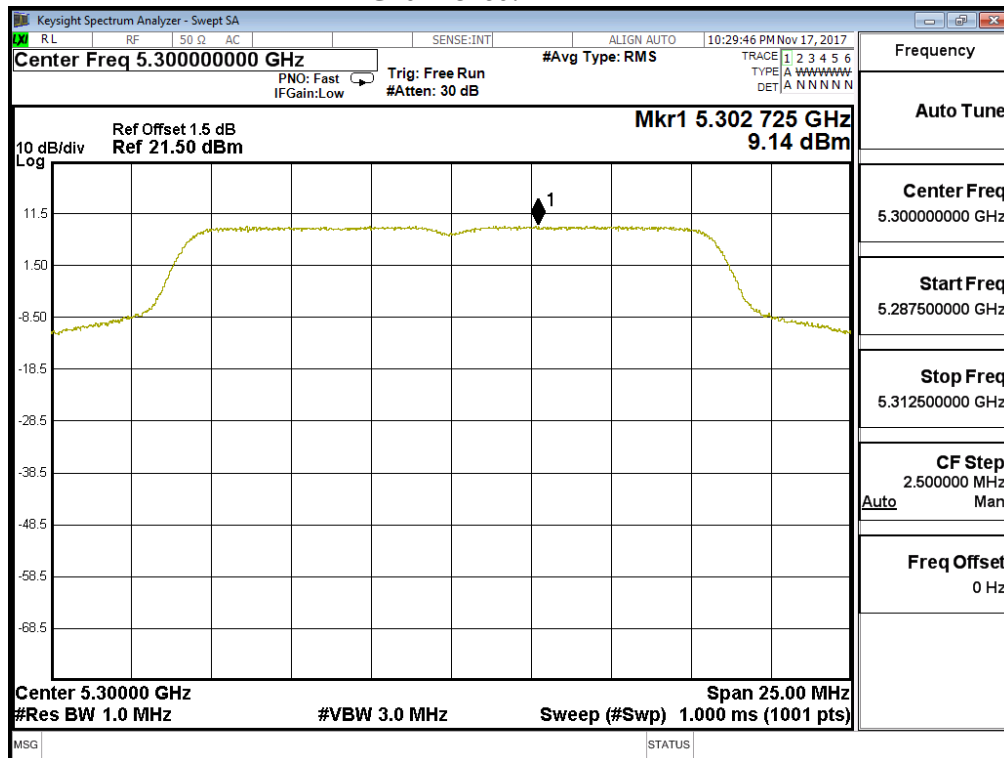
Channel 48:



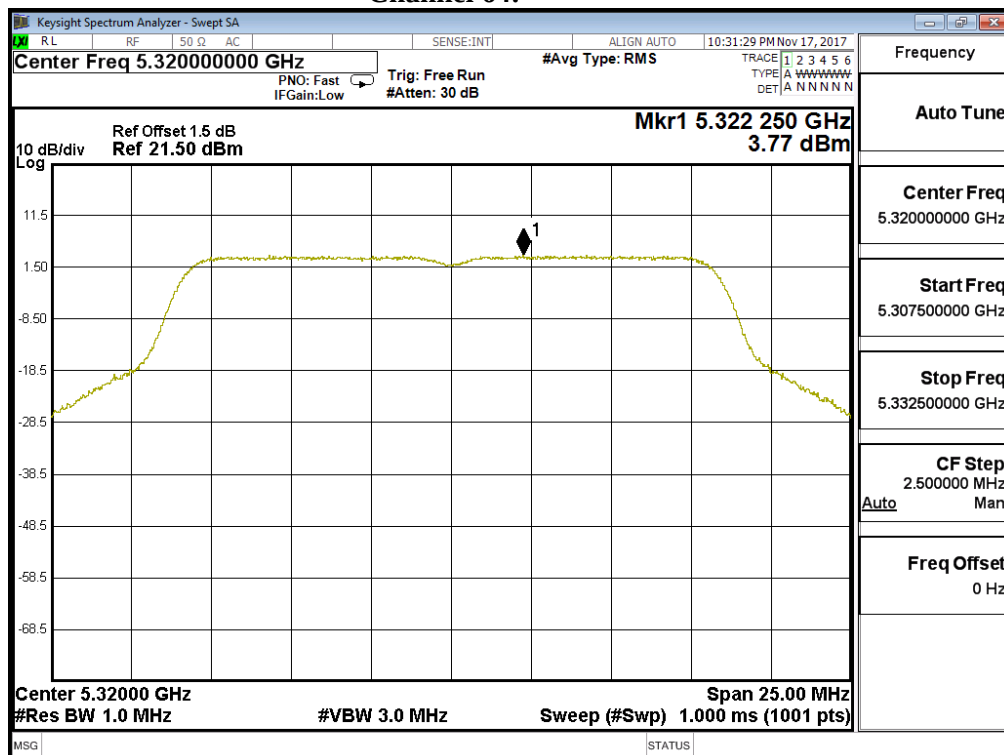
Channel 52:



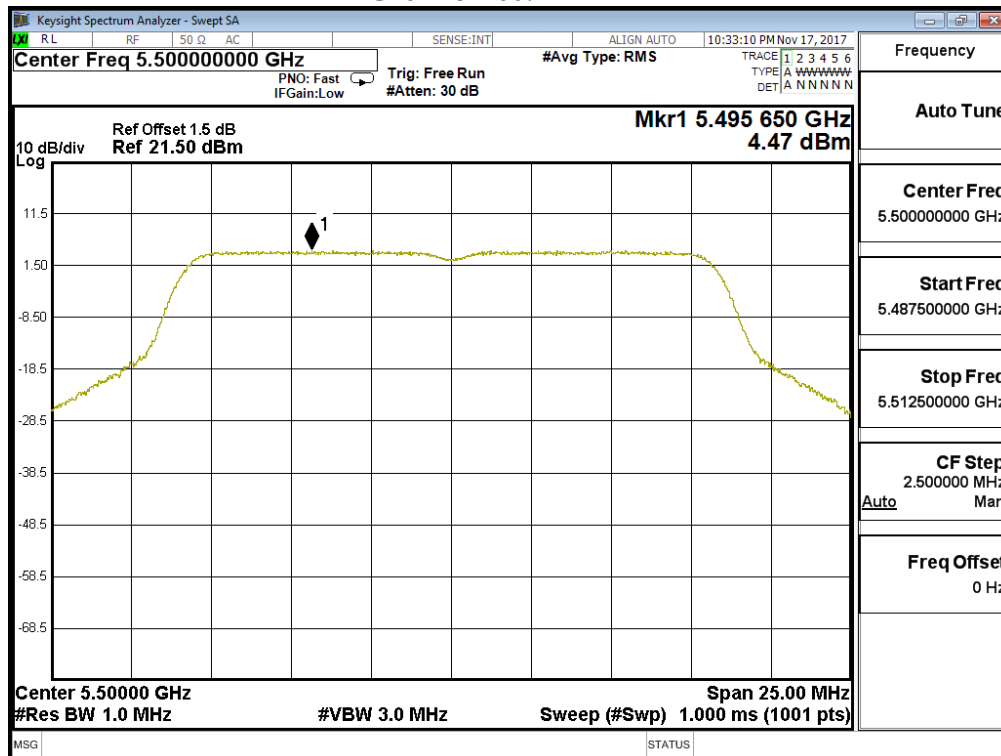
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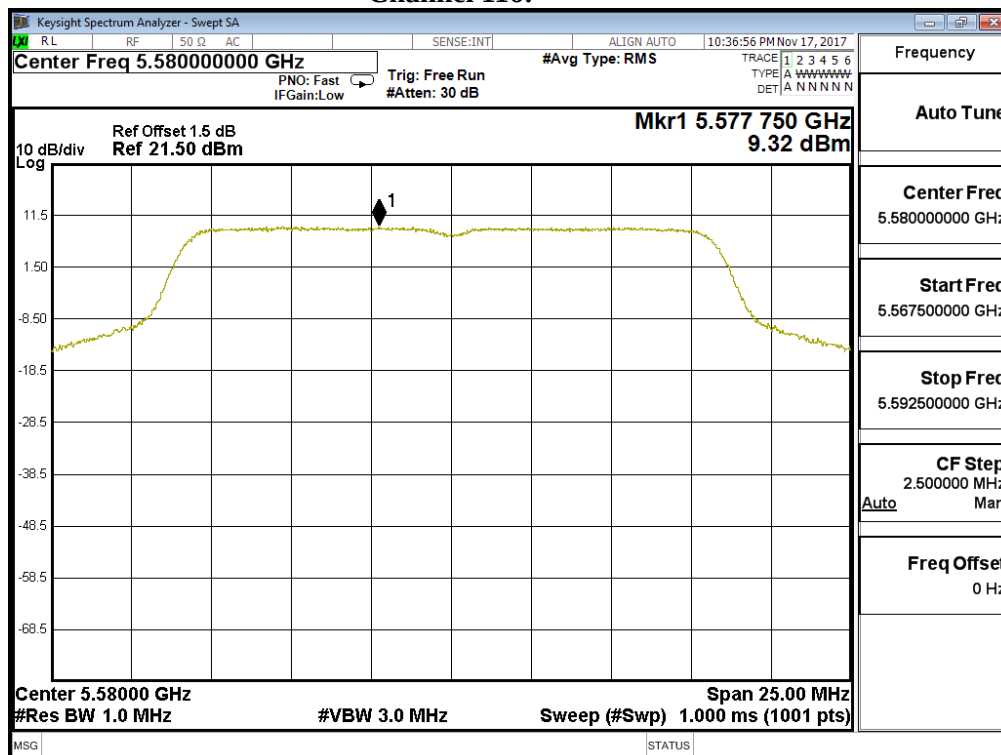
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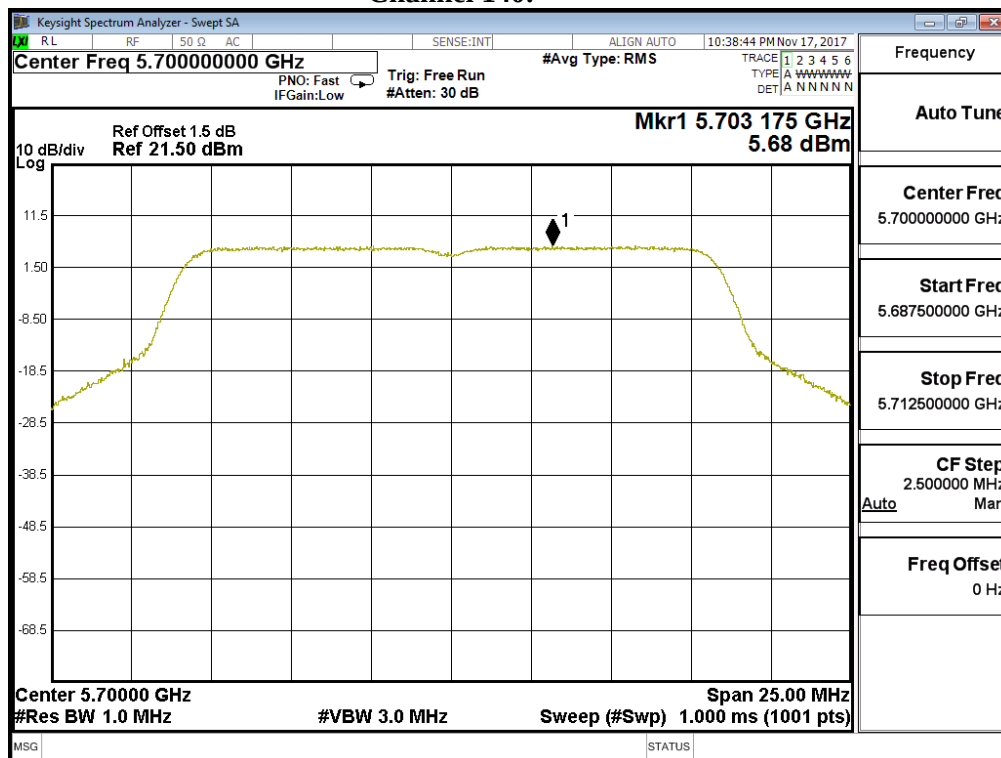
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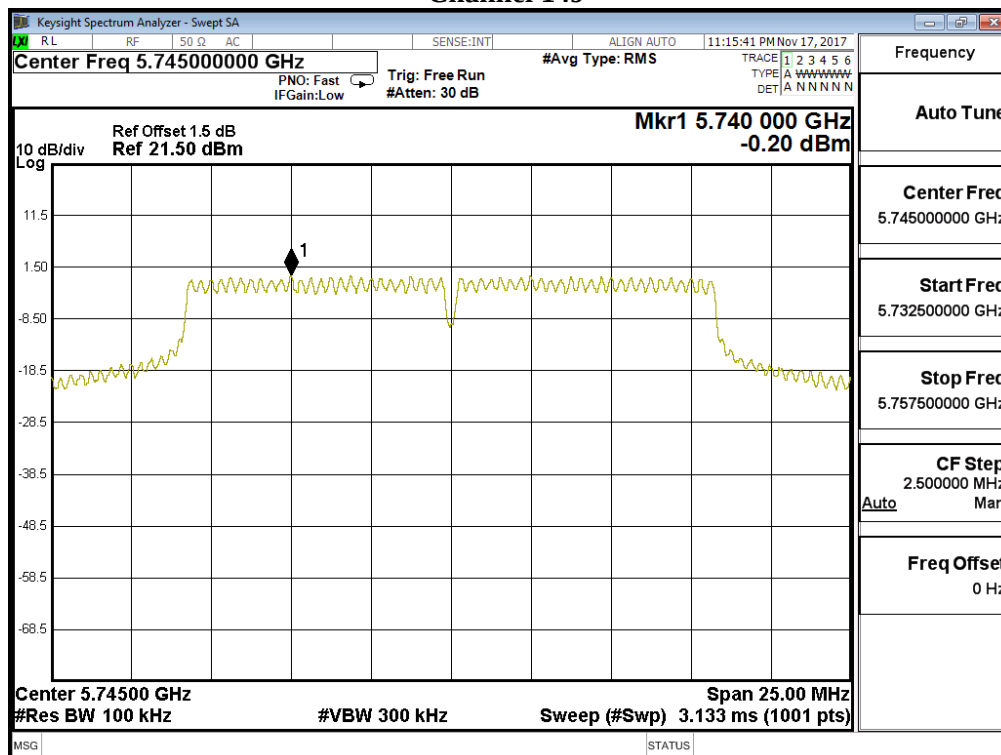
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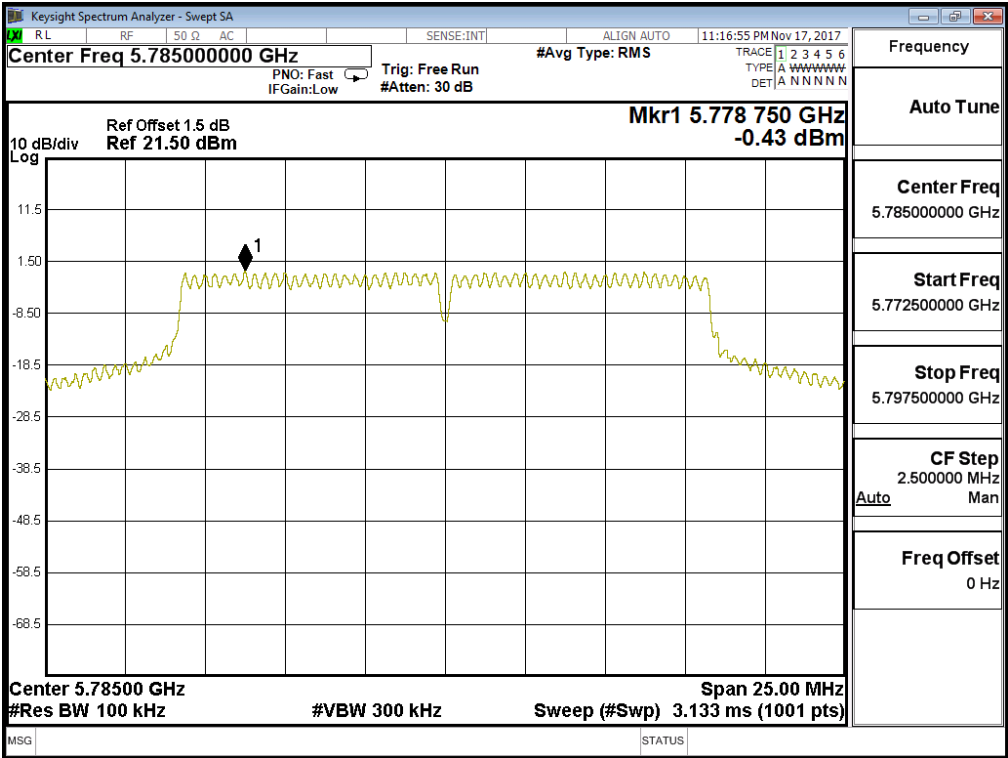
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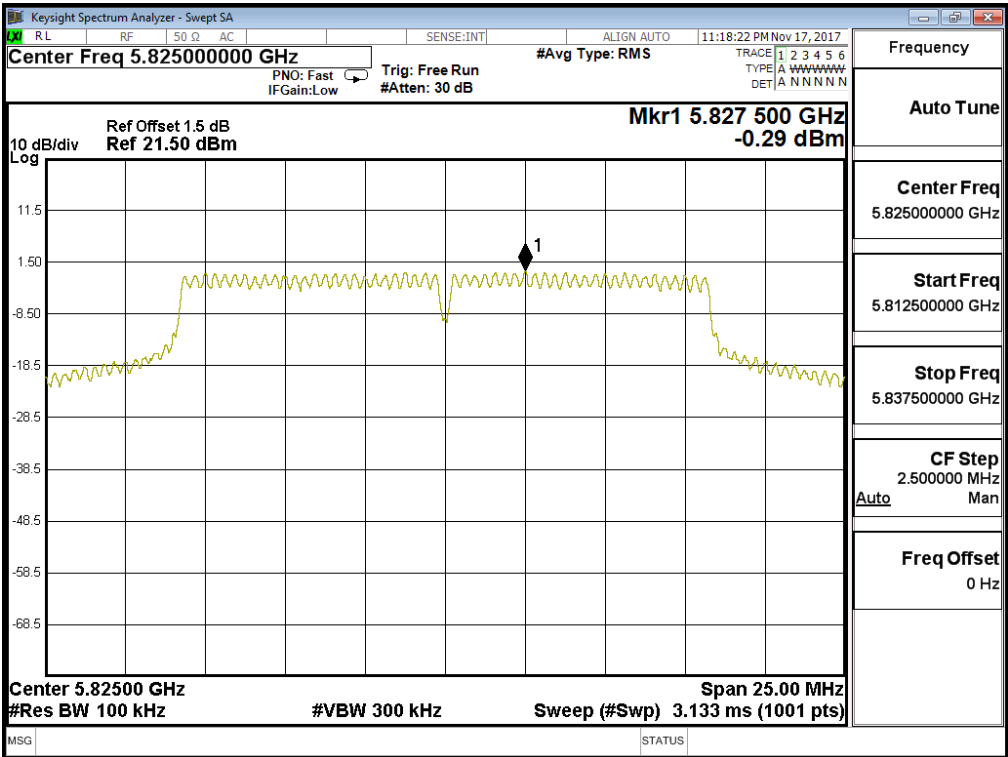
Channel 149



Channel 157



Channel 165



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11n-20BW

視頻頻寬：1MHz

環境溫度：21 °C

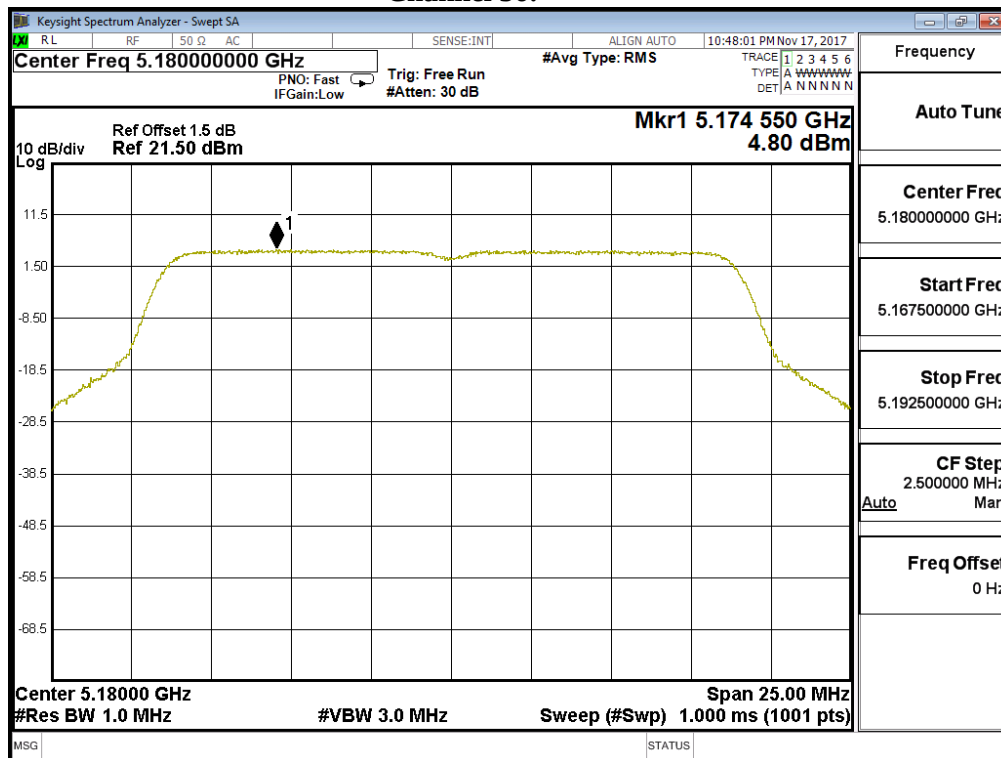
環境濕度：53 %

Channel Number	Frequency (MHz)	Data Rate (Mbps)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	6	4.800	11	Pass
44	5220	6	8.480	11	Pass
48	5240	6	8.430	11	Pass
52	5260	6	8.470	11	Pass
60	5300	6	8.670	11	Pass
64	5320	6	4.030	11	Pass
100	5500	6	3.680	11	Pass
116	5580	6	8.350	11	Pass
140	5700	6	5.170	11	Pass

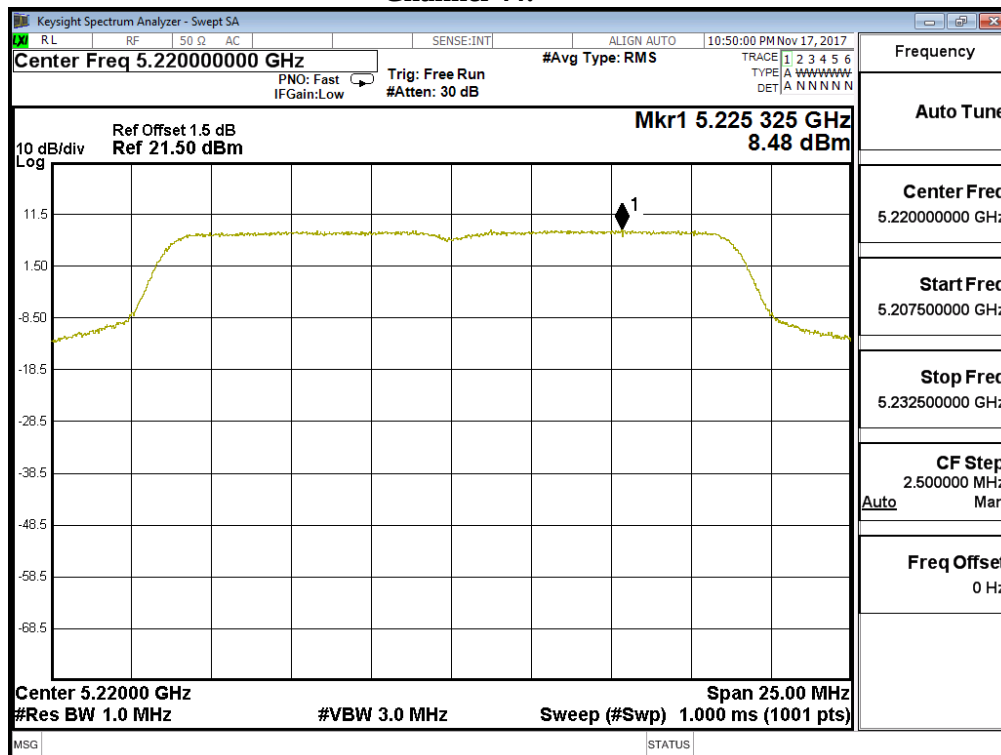
Channel Number	Frequency (MHz)	Data Rate (Mbps)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
149	5745	6	-0.680	6.980	6.300	<30	Pass
157	5785	6	-0.580	6.980	6.400	<30	Pass
165	5825	6	-0.550	6.980	6.430	<30	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

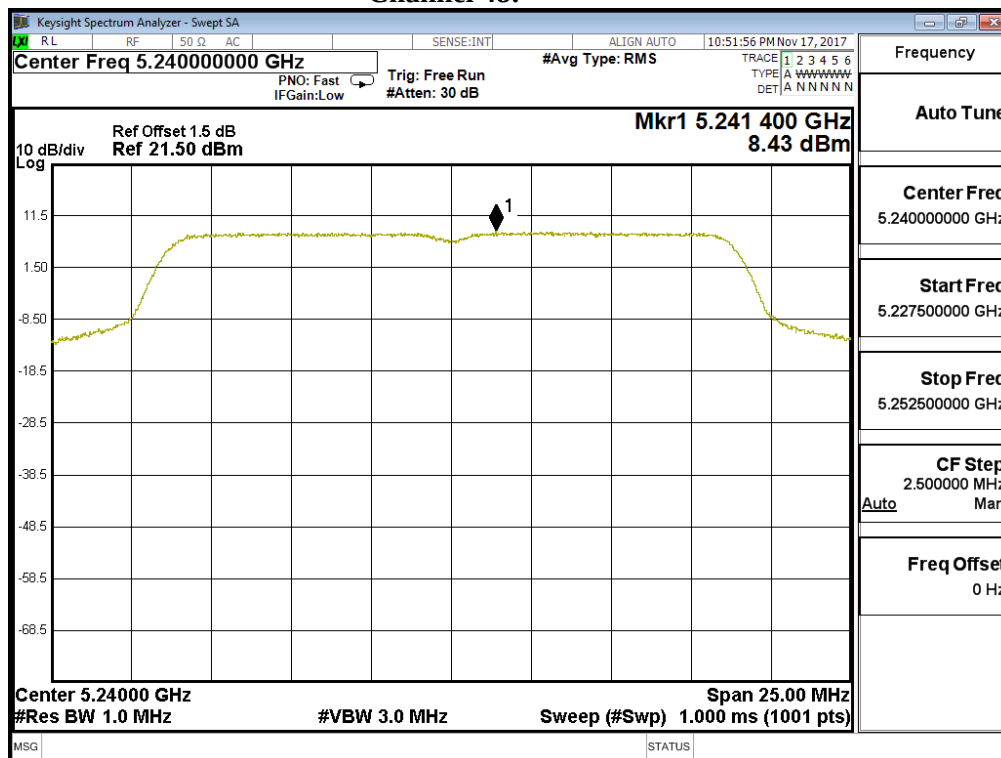
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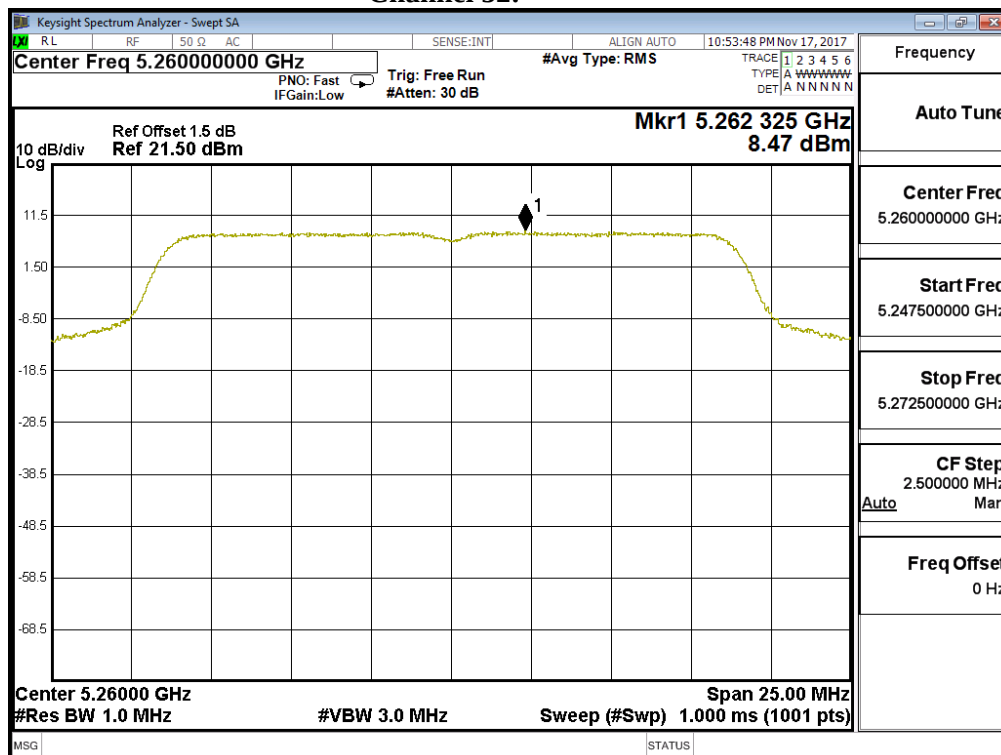
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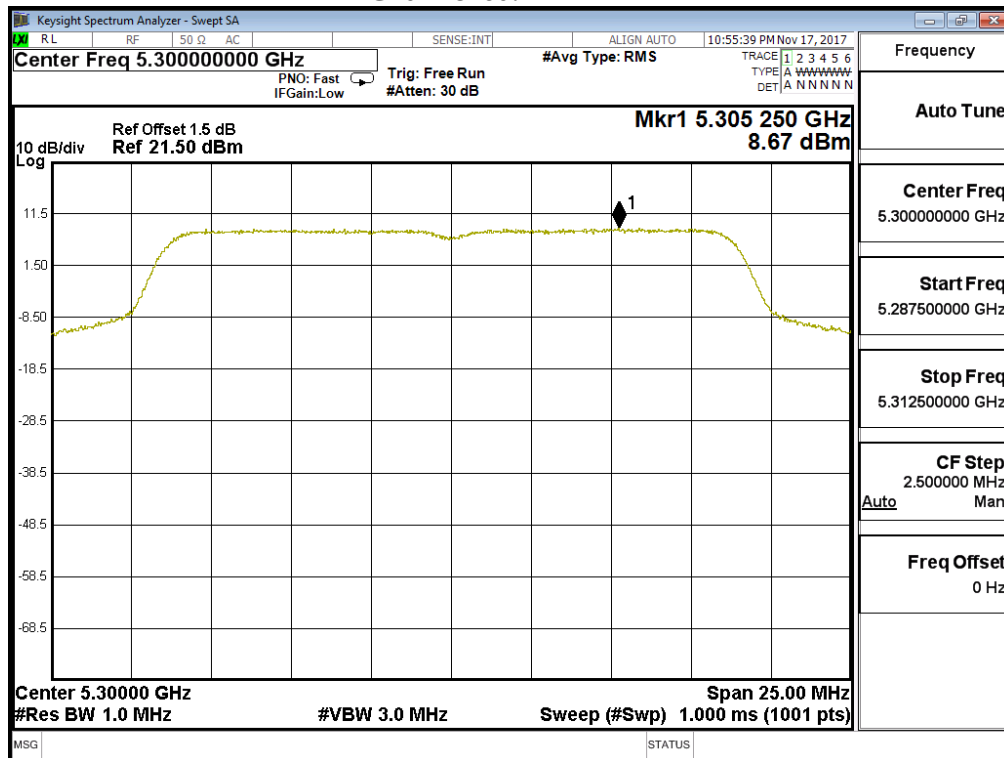
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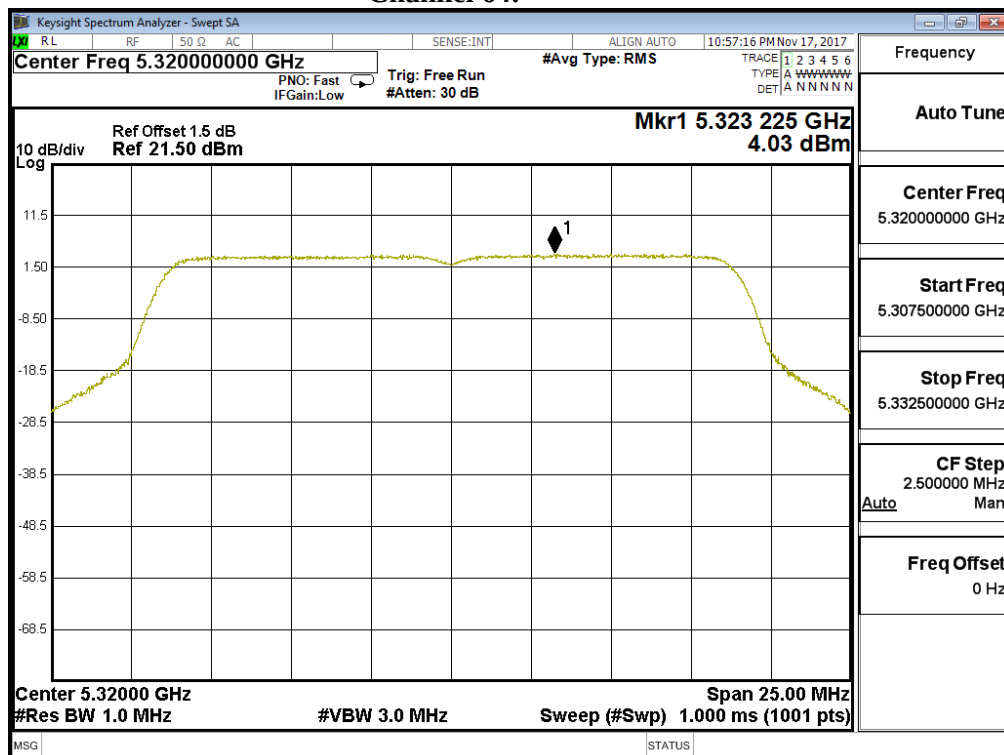
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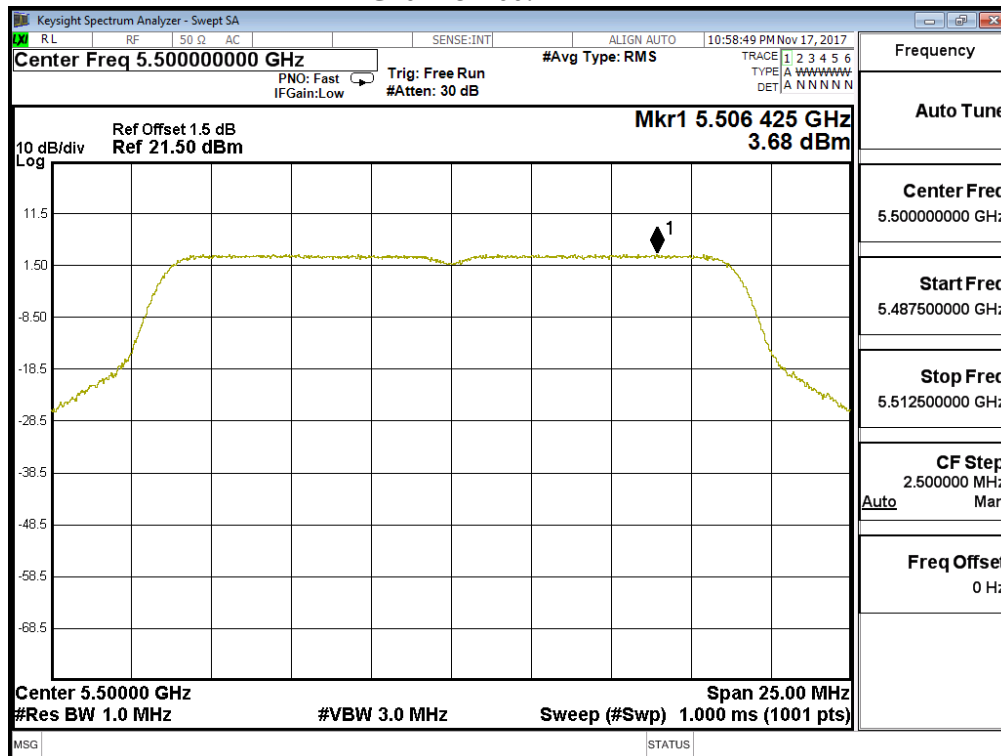
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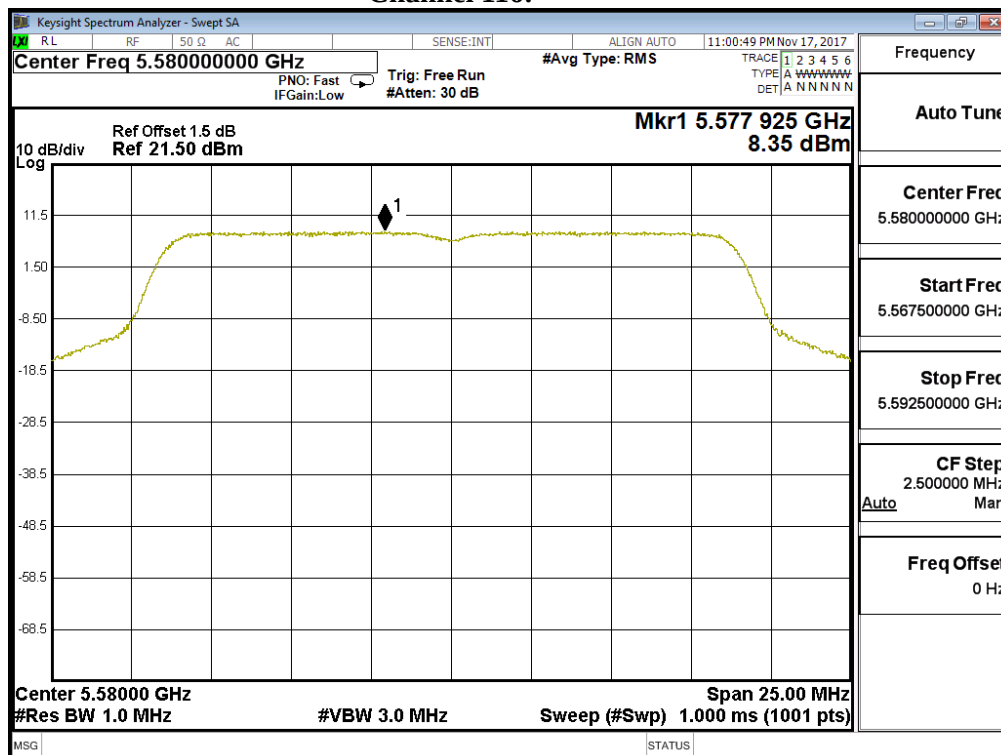
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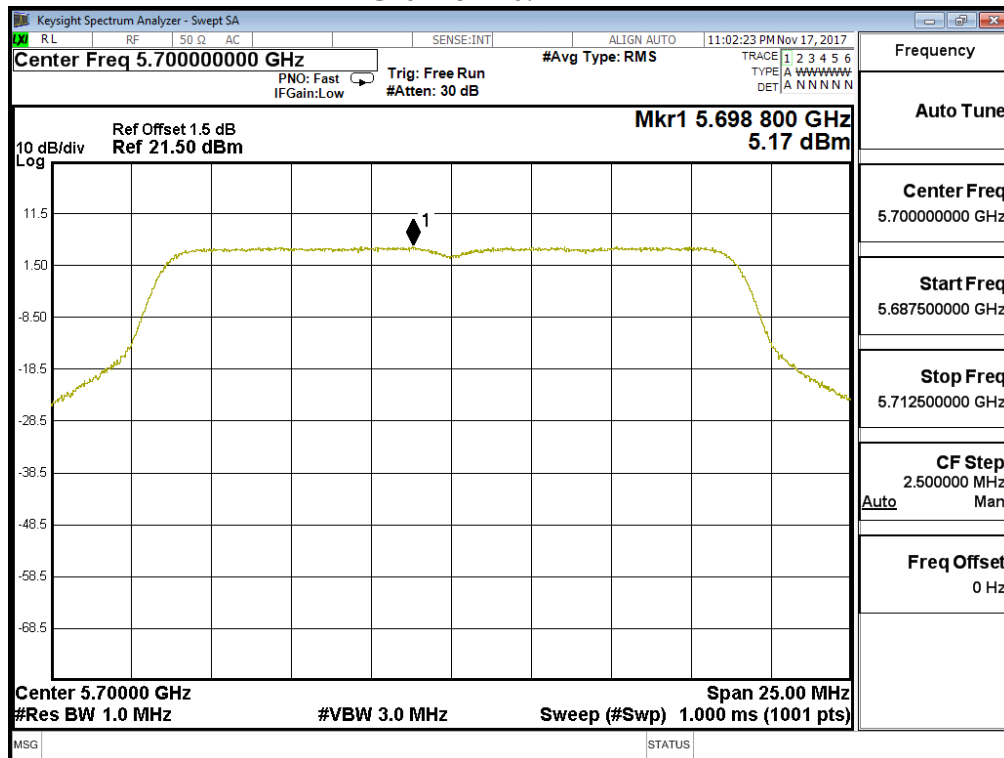
Channel 100:



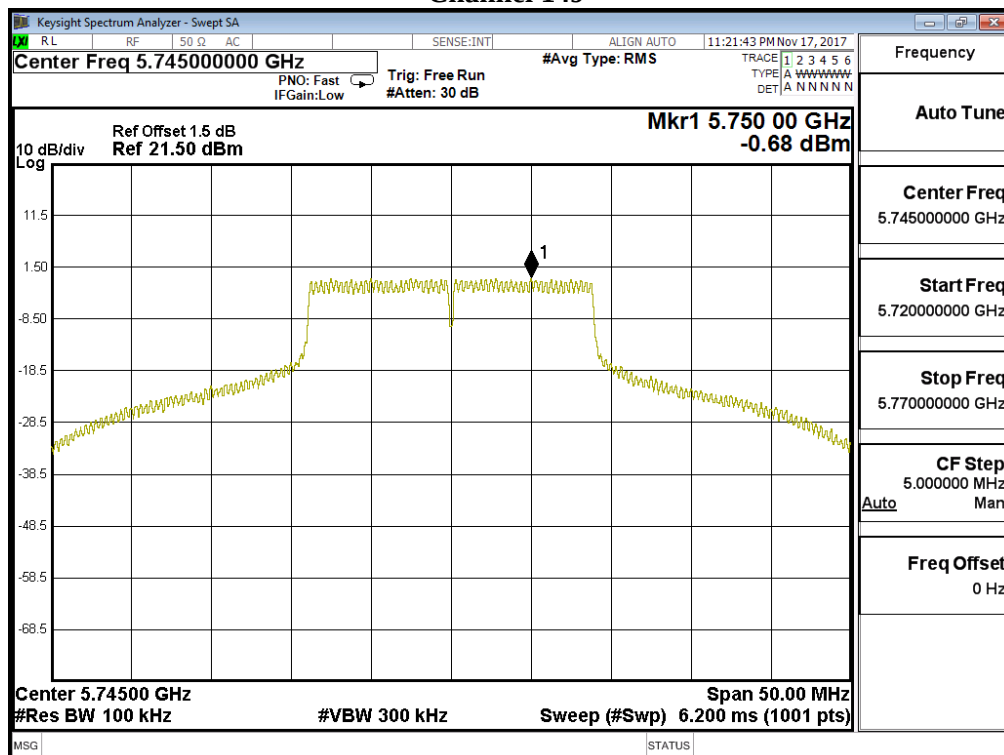
Channel 116:



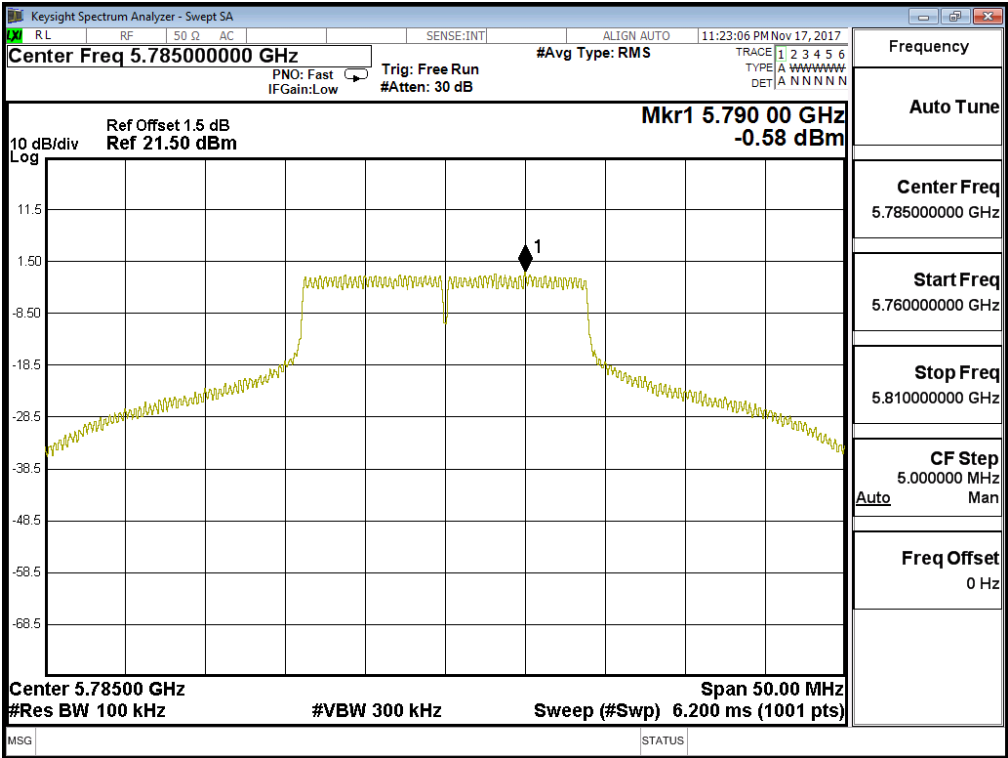
Channel 140:



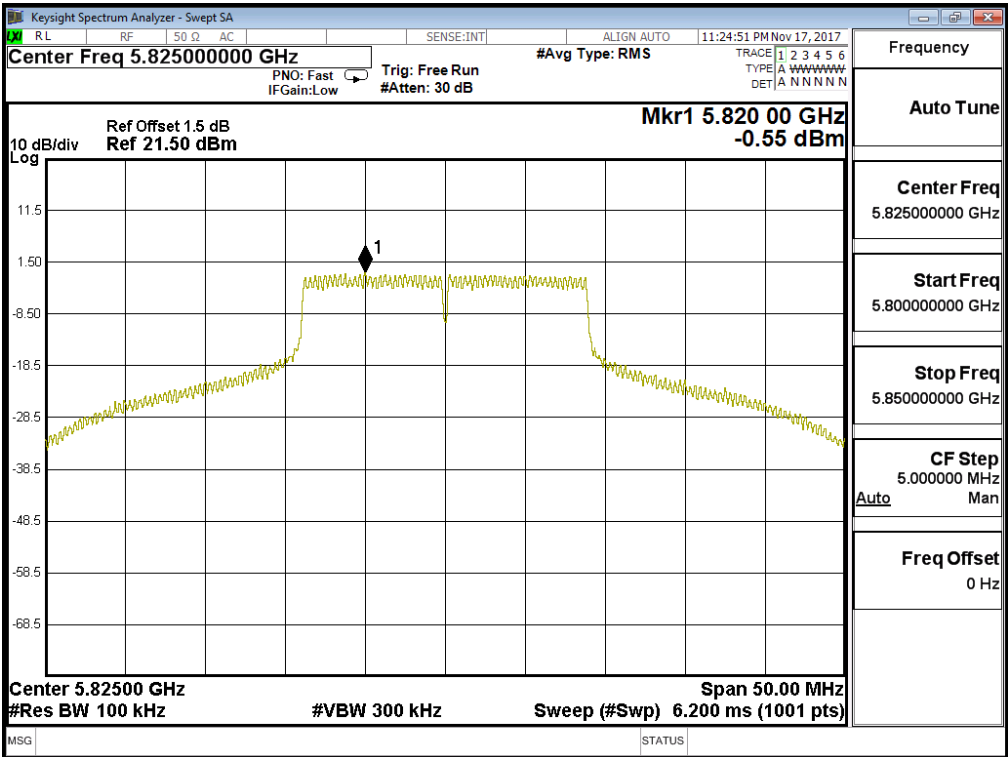
Channel 149



Channel 157



Channel 165



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11n-40BW

視頻頻寬：3MHz

環境溫度：21 °C

環境濕度：53 %

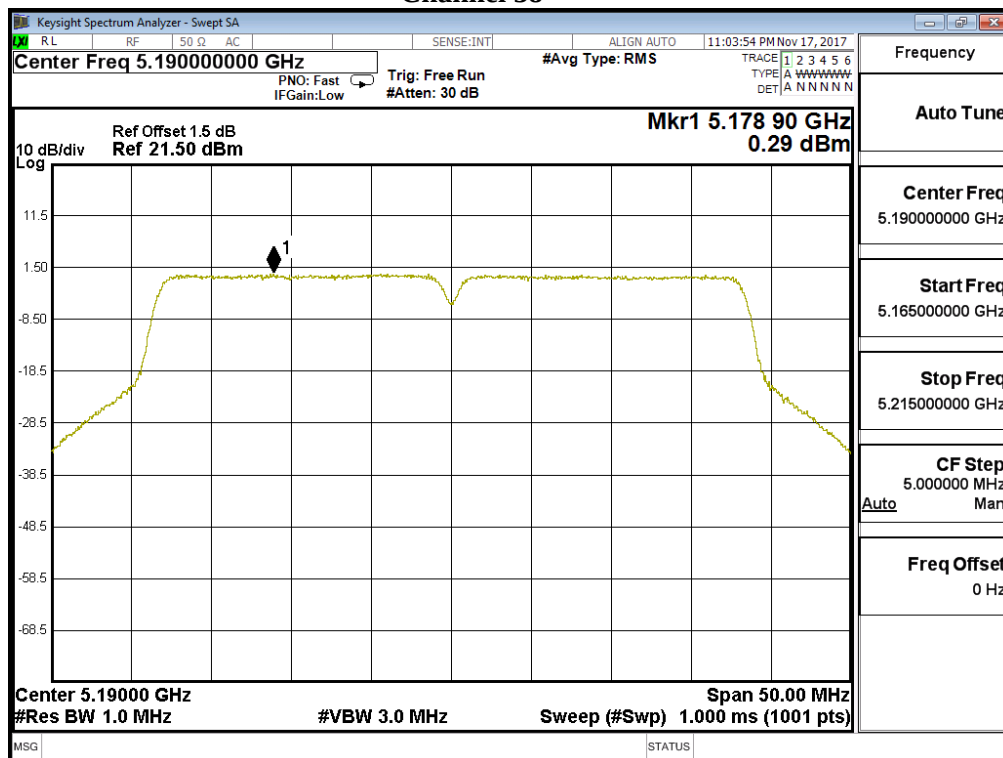
Channel Number	Frequency (MHz)	Total PPSD (dBm)	Required Limit (dBm)	Result
38	5190	0.290	<11	Pass
46	5230	5.040	<11	Pass
54	5270	5.370	<11	Pass
62	5310	-1.840	<11	Pass
102	5510	0.560	<11	Pass
110	5550	5.610	<11	Pass
134	5670	3.480	<11	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

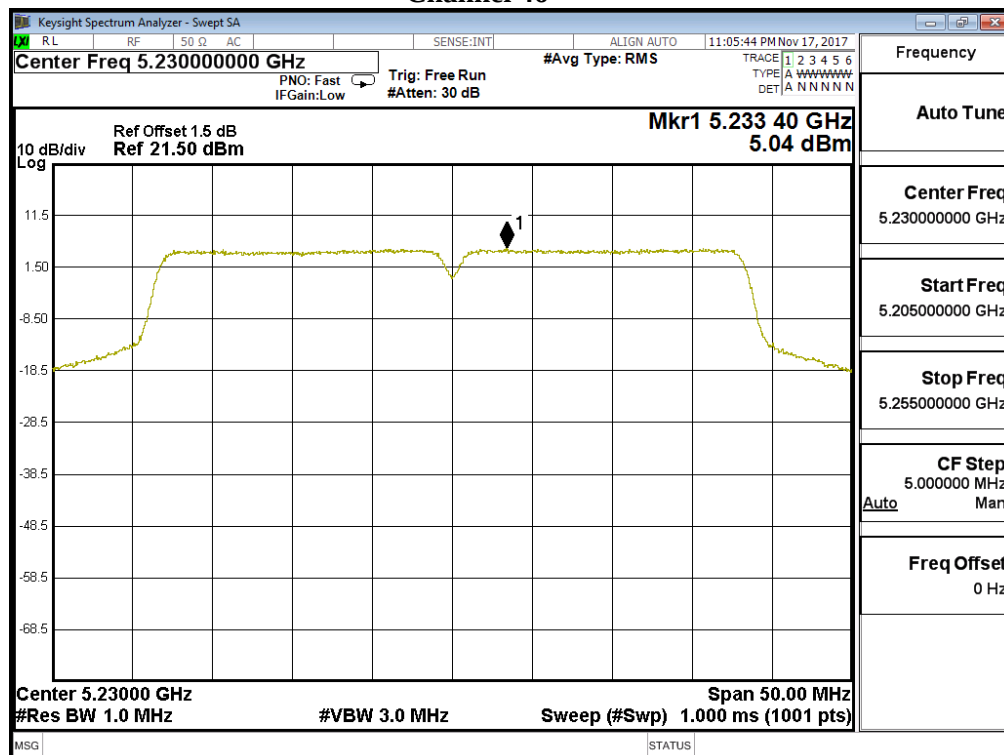
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
151	5755	-3.970	6.980	3.010	<30	Pass
159	5795	-3.930	6.980	3.050	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

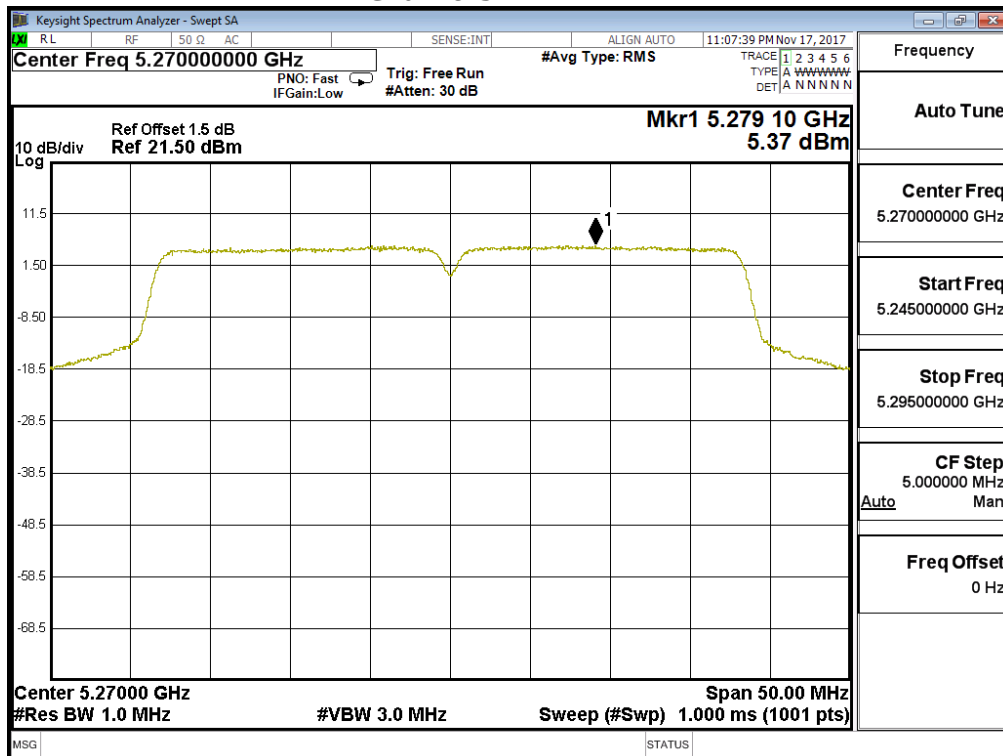
Channel 38



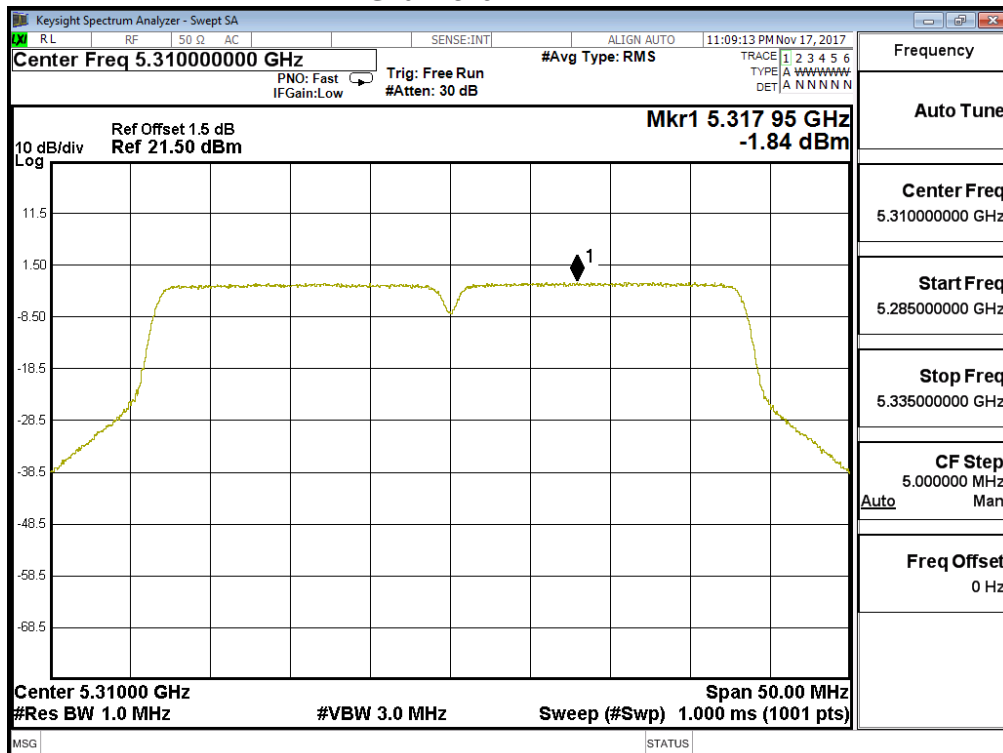
Channel 46



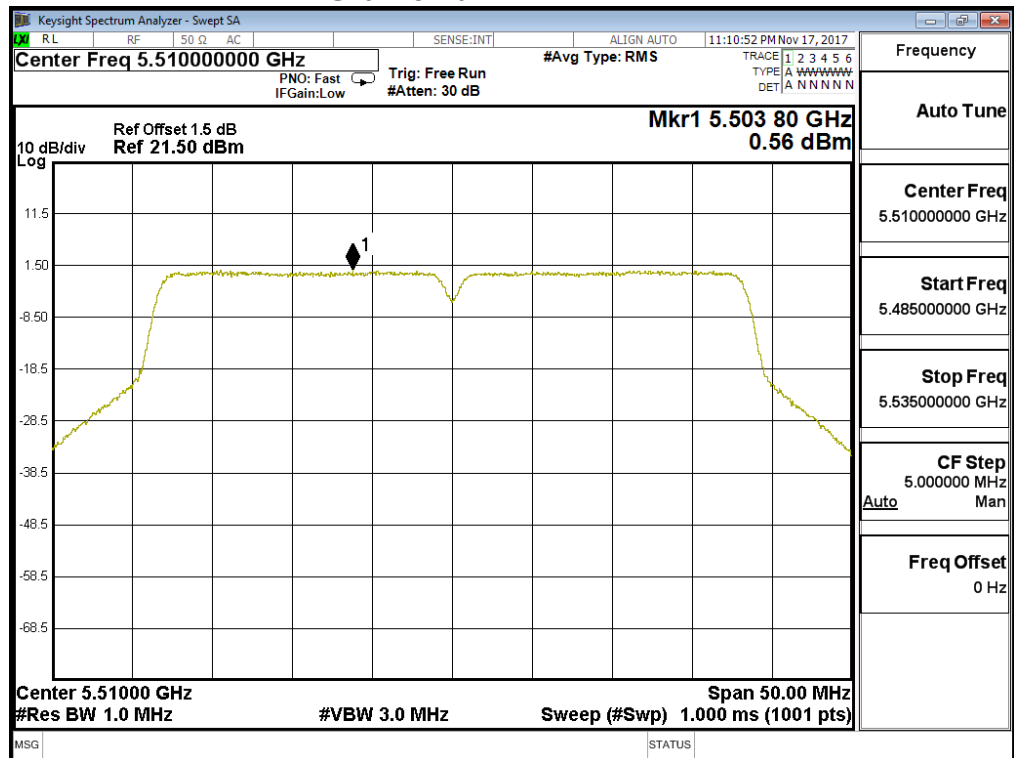
Channel 54



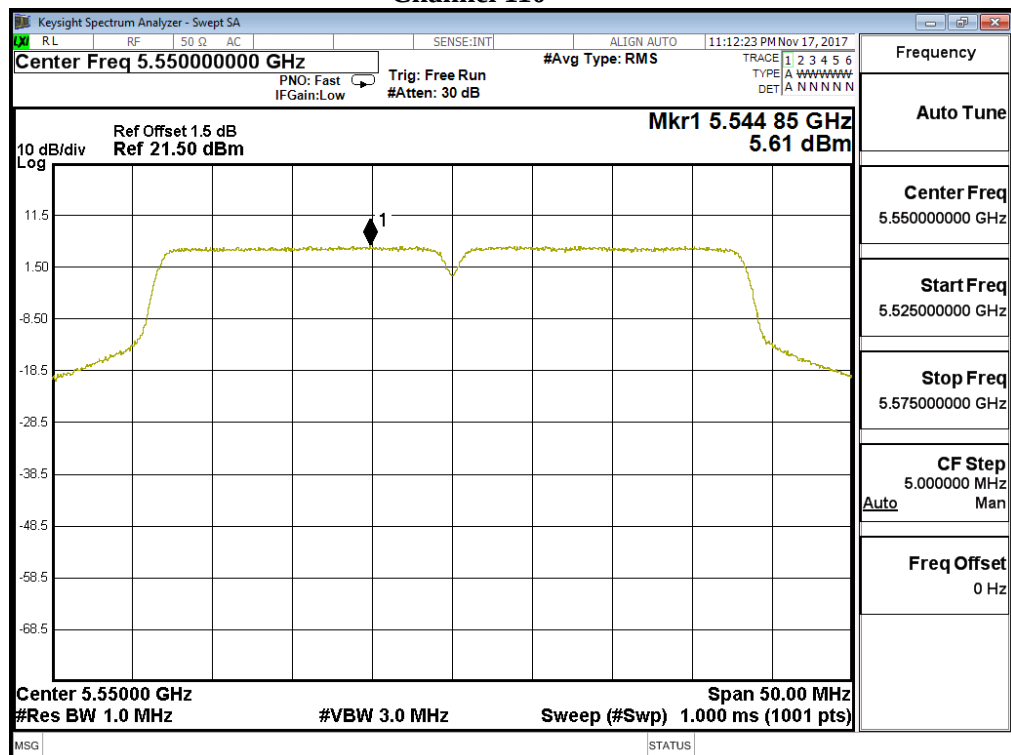
Channel 62



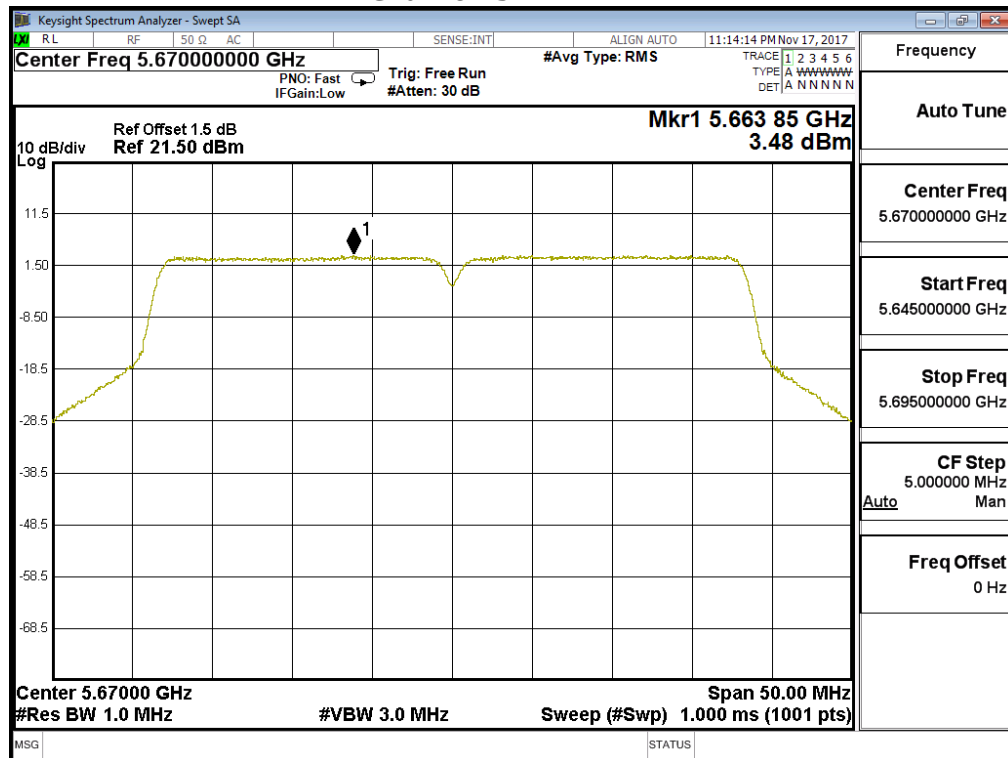
Channel 102



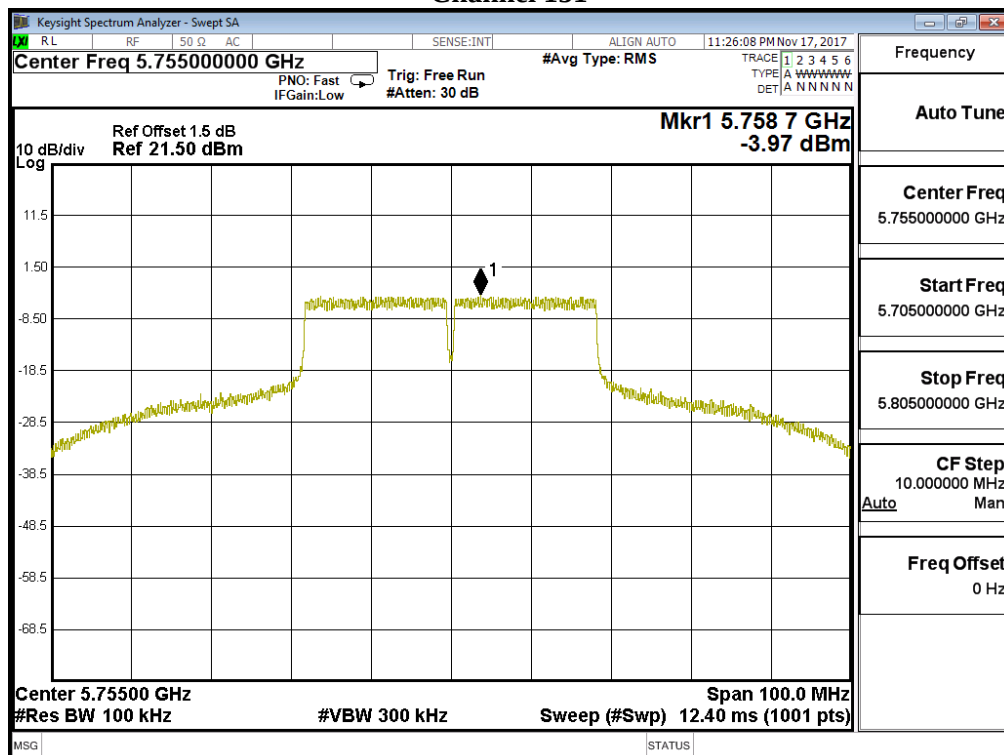
Channel 110



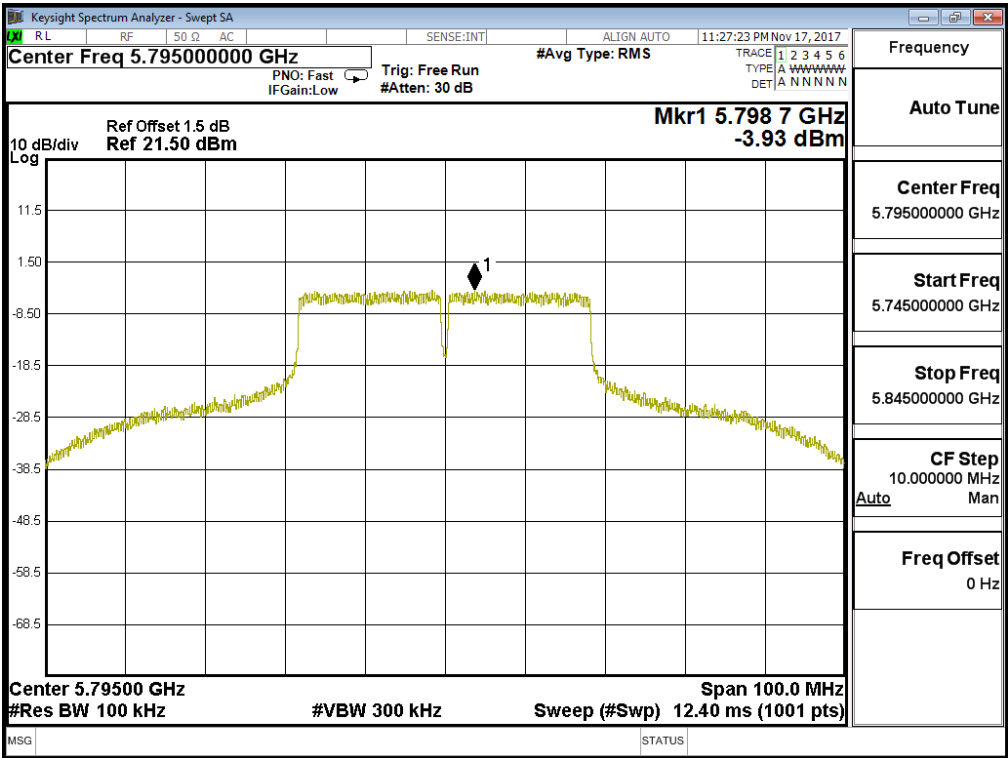
Channel 134



Channel 151



Channel 159



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11ac-20BW

視頻頻寬：3MHz

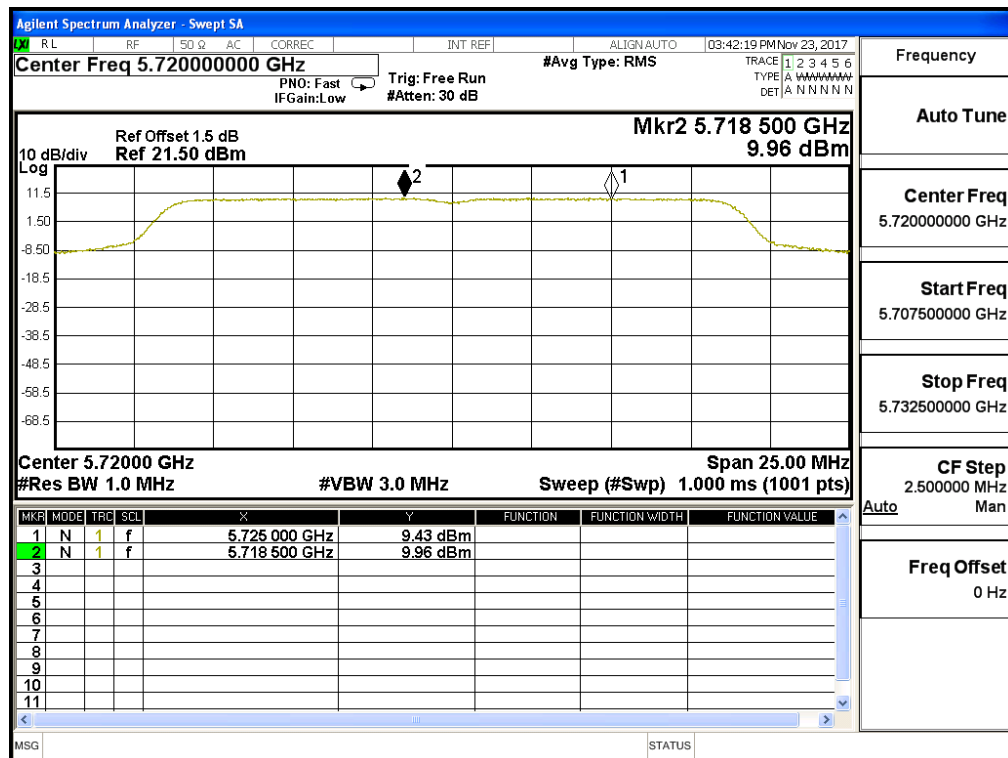
環境溫度：21 °C

環境濕度：53 %

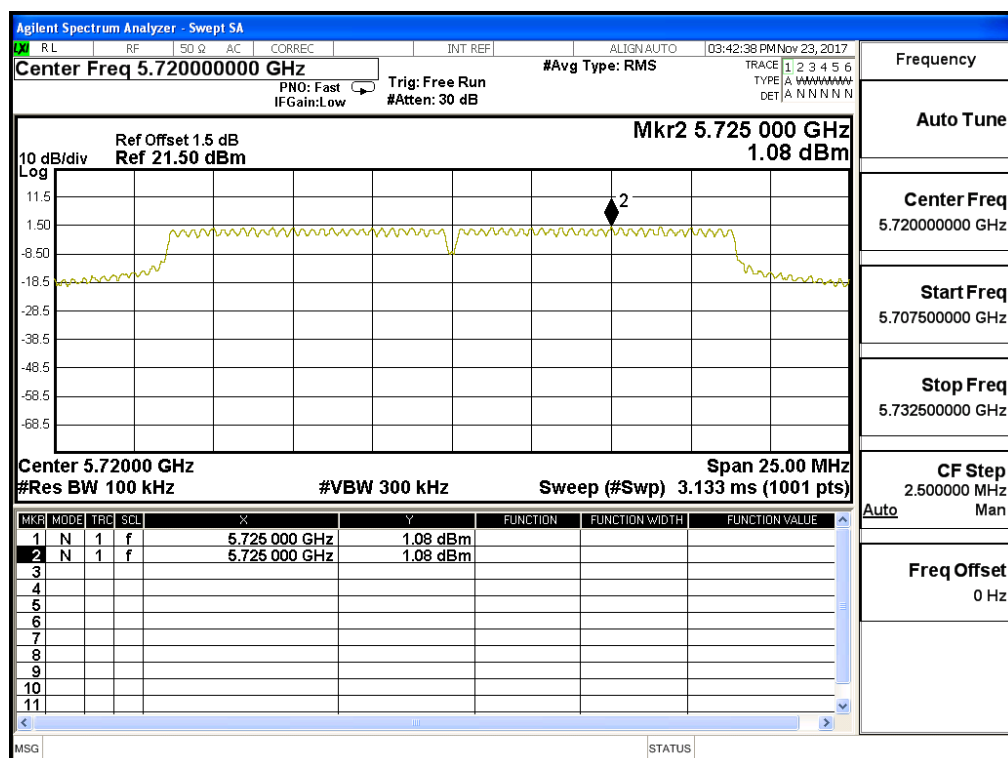
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
144	5720(Band3)	9.960	--	9.960	<11	Pass
144	5720(Band4)	1.080	6.98	8.060	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 144



Channel 144



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11ac-40BW

視頻頻寬：3MHz

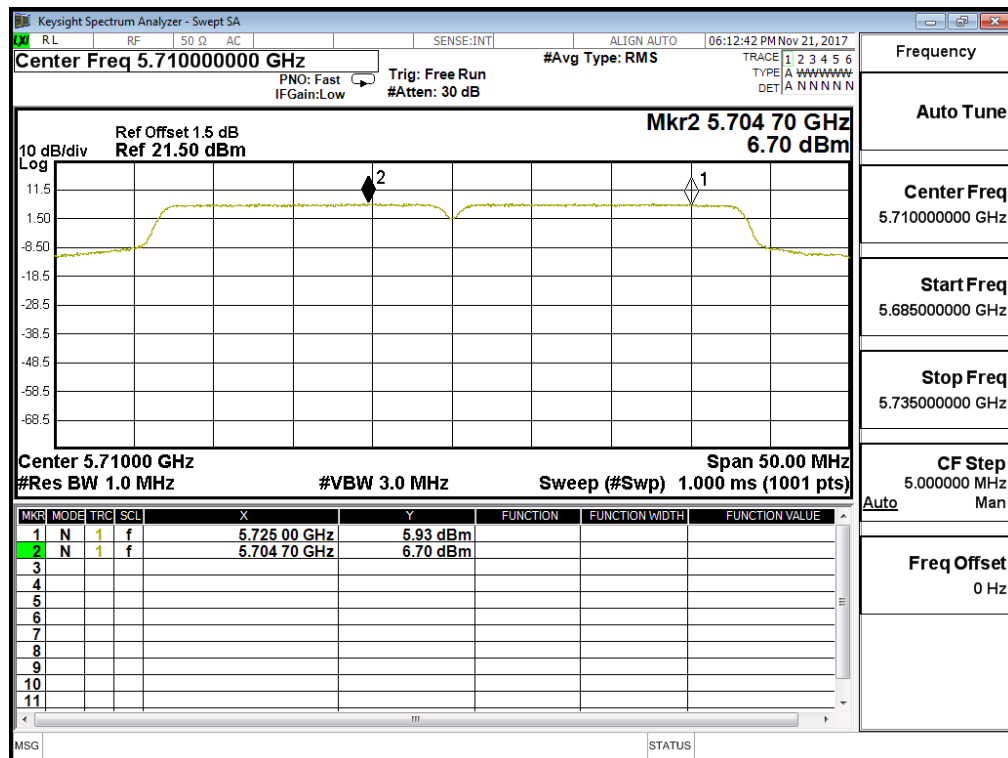
環境溫度：21 °C

環境濕度：53 %

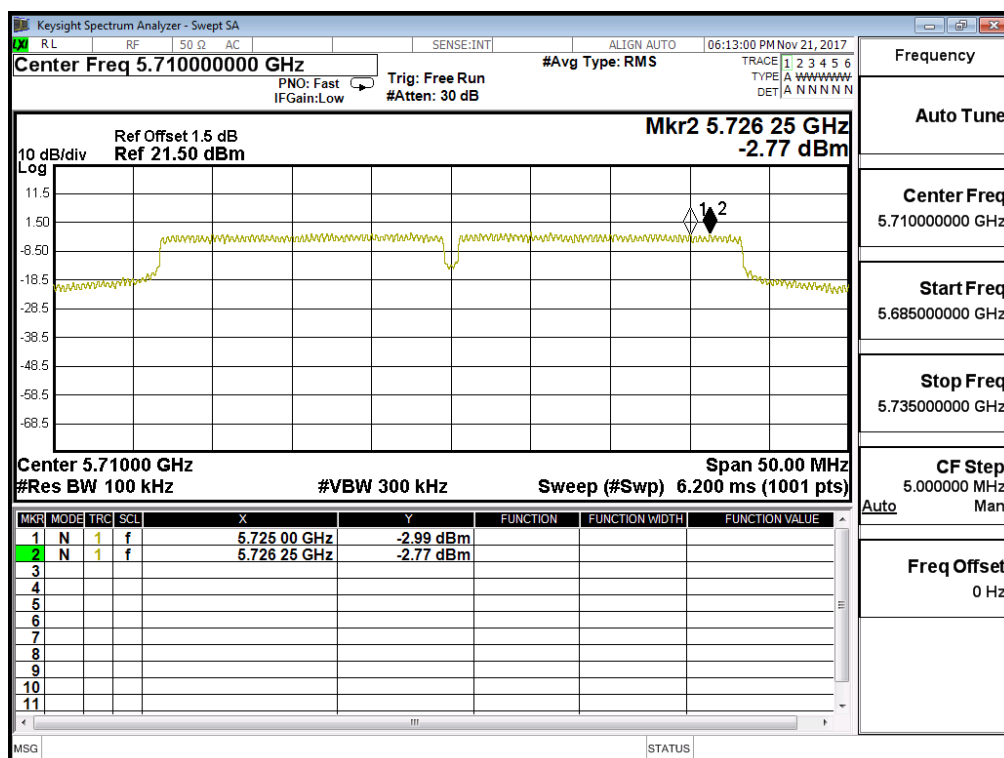
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
142	5710(Band3)	6.700	--	6.700	<11	Pass
142	5710(Band4)	-2.770	6.98	4.210	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 142:



Channel 142:



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11ac-80BW

視頻頻寬：3MHz

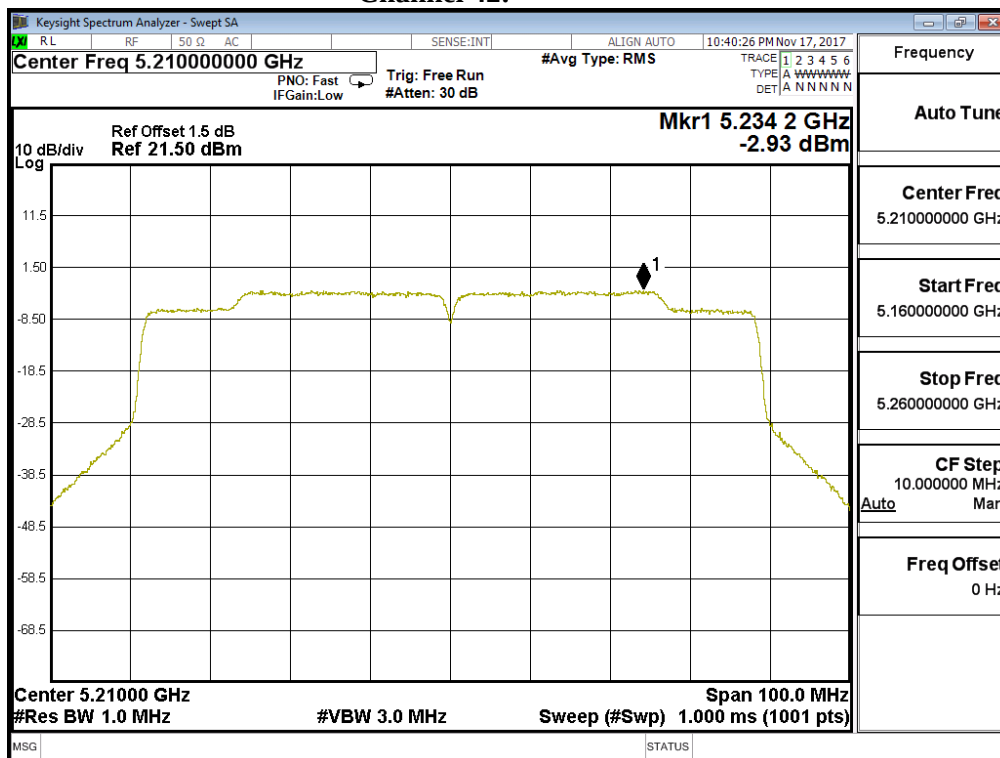
環境溫度：21 °C

環境濕度：53 %

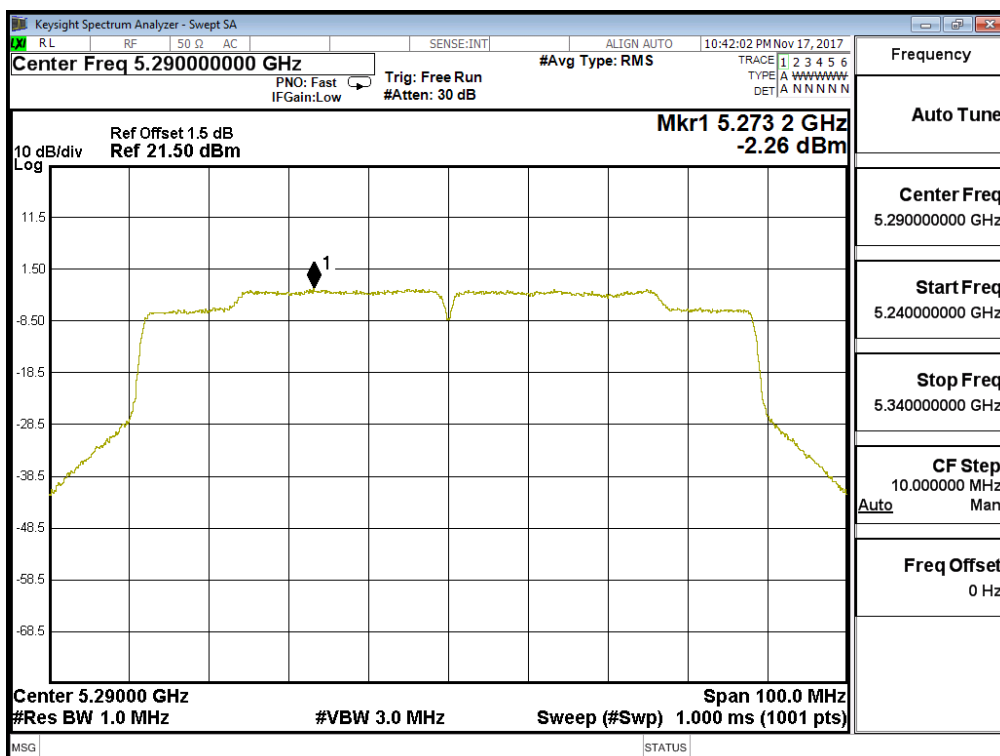
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
42	5210	-2.930	--	-2.930	<11	Pass
58	5290	-2.260	--	-2.260	<11	Pass
106	5530	-1.900	--	-1.900	<11	Pass
122	5610	2.800	--	2.800	<11	Pass
138	5690 (Band3)	4.550	--	4.550	<11	Pass
138	5690 (Band4)	-8.870	6.98	-8.870	<30	Pass
155	5775	-9.200	6.98	-9.200	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

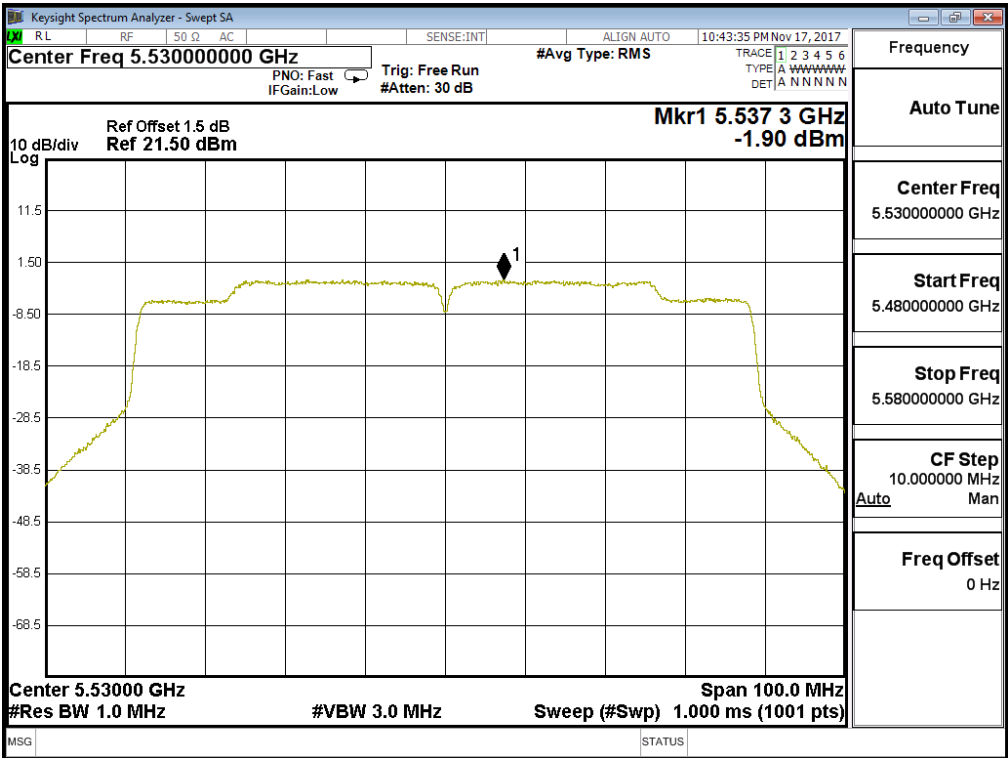
Channel 42:



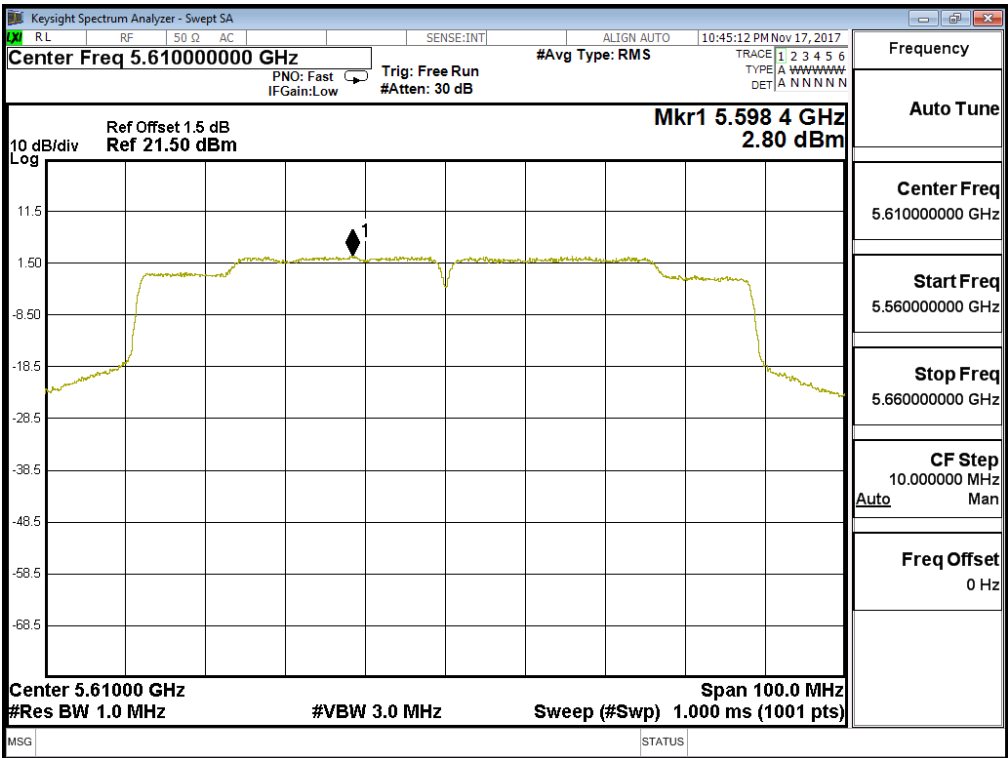
Channel 58:



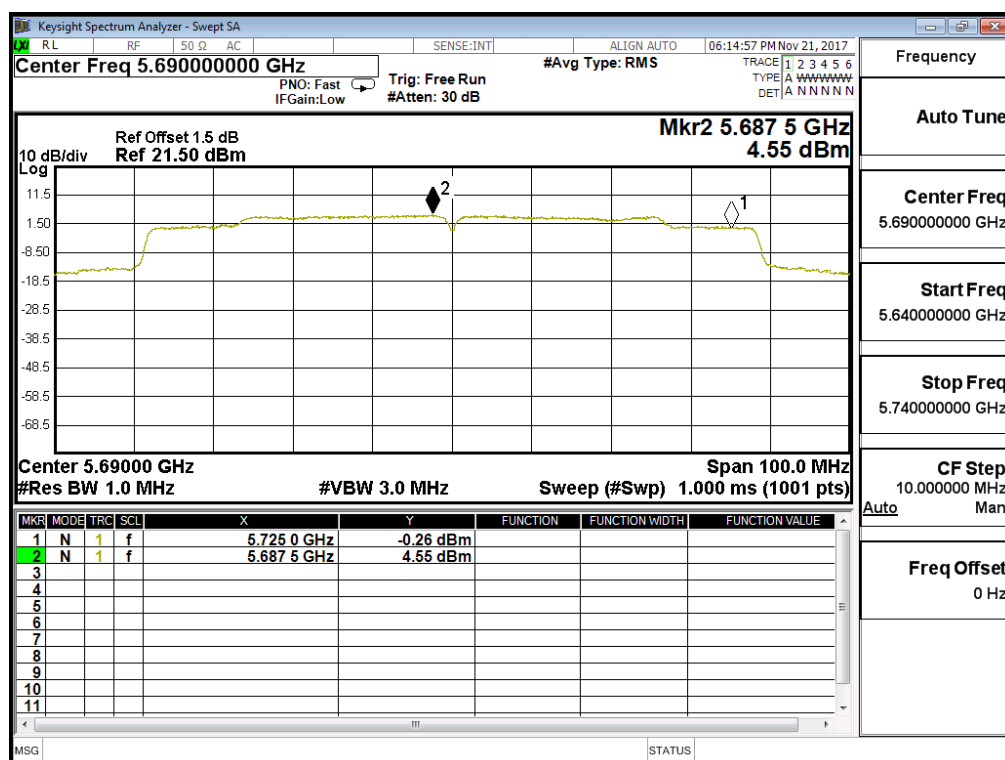
Channel 106:



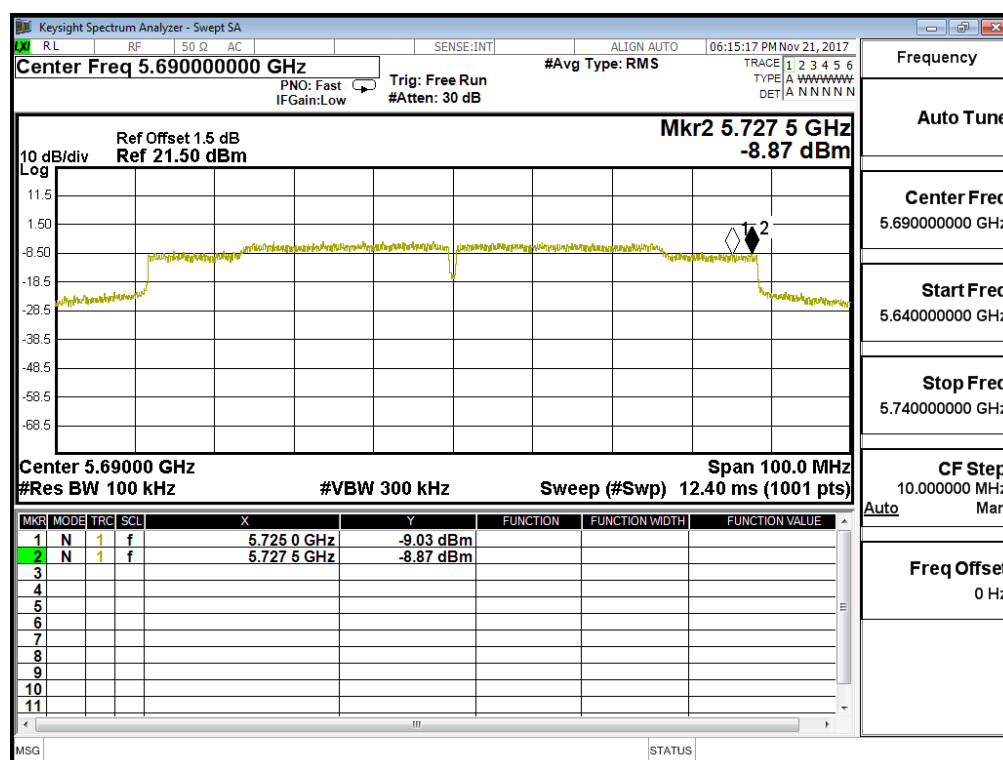
Channel 122:



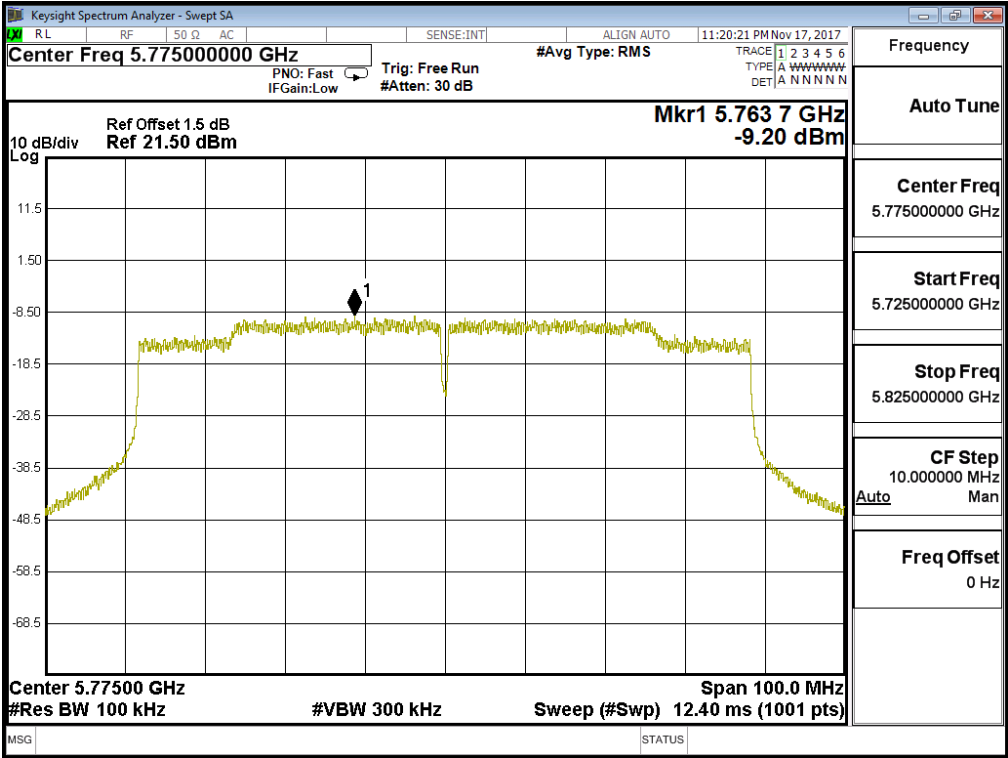
Channel 138:



Channel 138:



Channel 155:



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11ac-160BW

視頻頻寬：3MHz

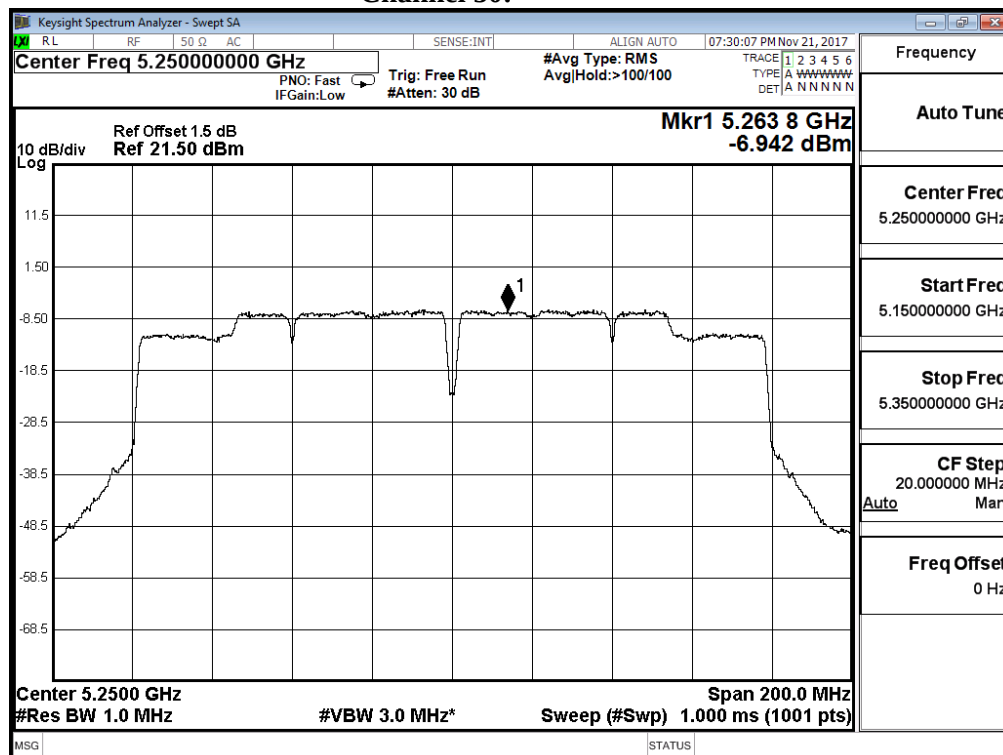
環境溫度：21 °C

環境濕度：53 %

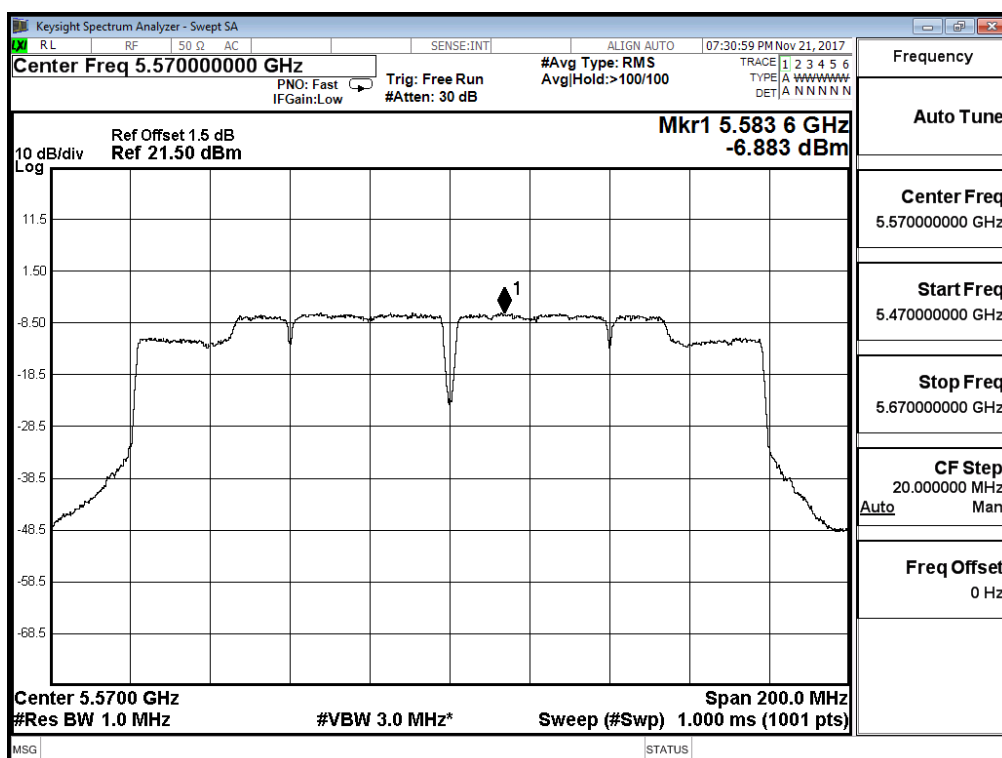
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
50	5250	-6.942	--	-6.942	<11	Pass
114	5570	-6.883	--	-6.883	<11	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 50:



Channel 114:



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11a

視頻頻寬：1MHz

環境溫度：21 °C

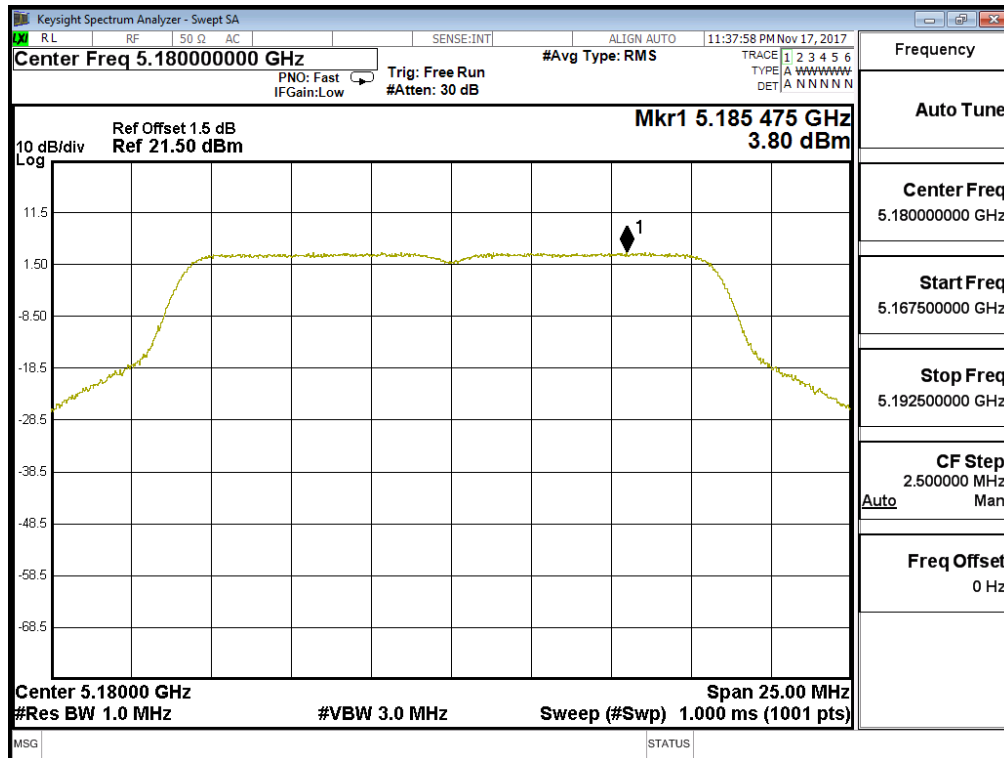
環境濕度：53 %

Channel Number	Frequency (MHz)	Data Rate (Mbps)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	6	3.800	11	Pass
44	5220	6	8.990	11	Pass
48	5240	6	8.760	11	Pass
52	5260	6	8.790	11	Pass
60	5300	6	8.860	11	Pass
64	5320	6	4.440	11	Pass
100	5500	6	4.590	11	Pass
116	5580	6	9.200	11	Pass
140	5700	6	4.300	11	Pass

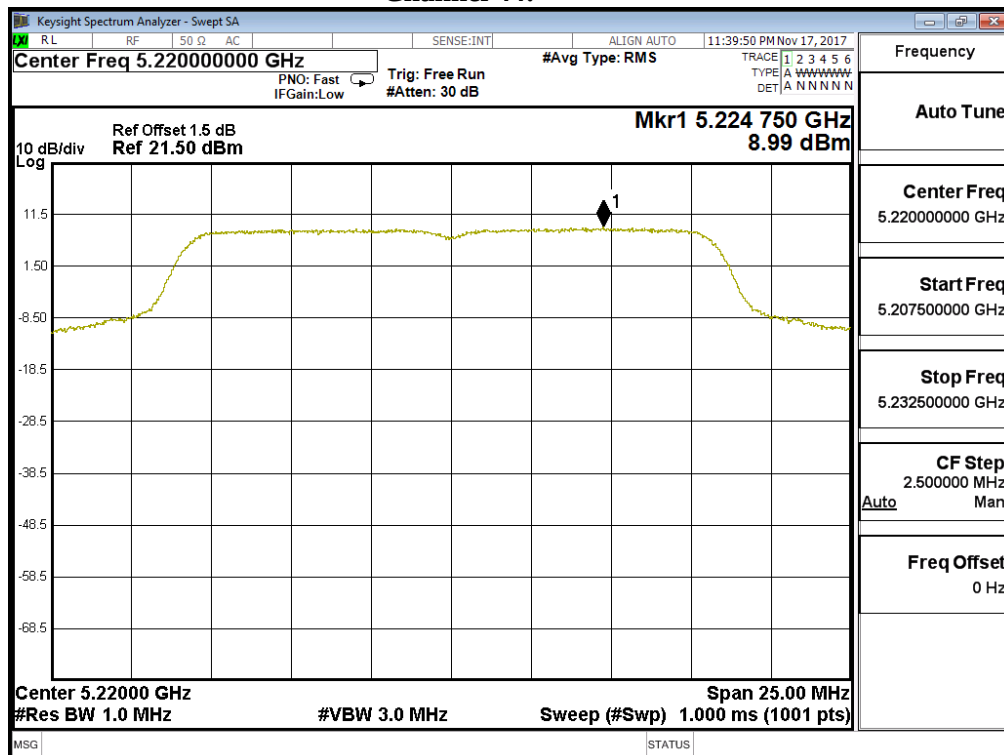
Channel Number	Frequency (MHz)	Data Rate (Mbps)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
149	5745	6	-0.250	6.980	6.730	<30	Pass
157	5785	6	-0.190	6.980	6.790	<30	Pass
165	5825	6	0.120	6.980	7.100	<30	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

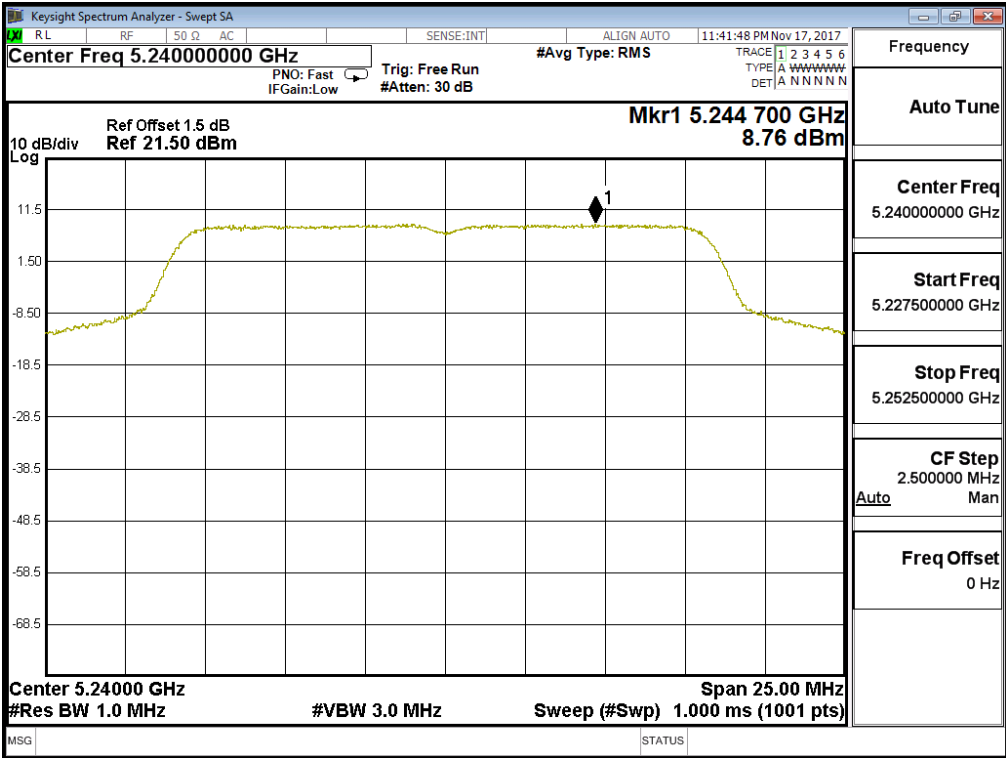
Channel 36:



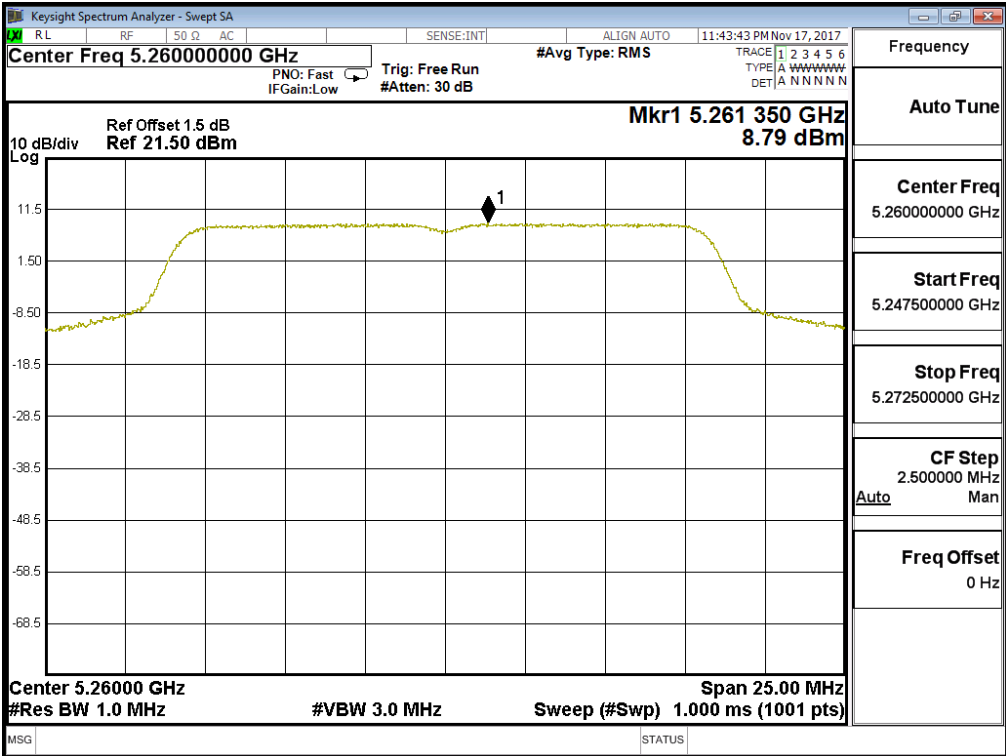
Channel 44:



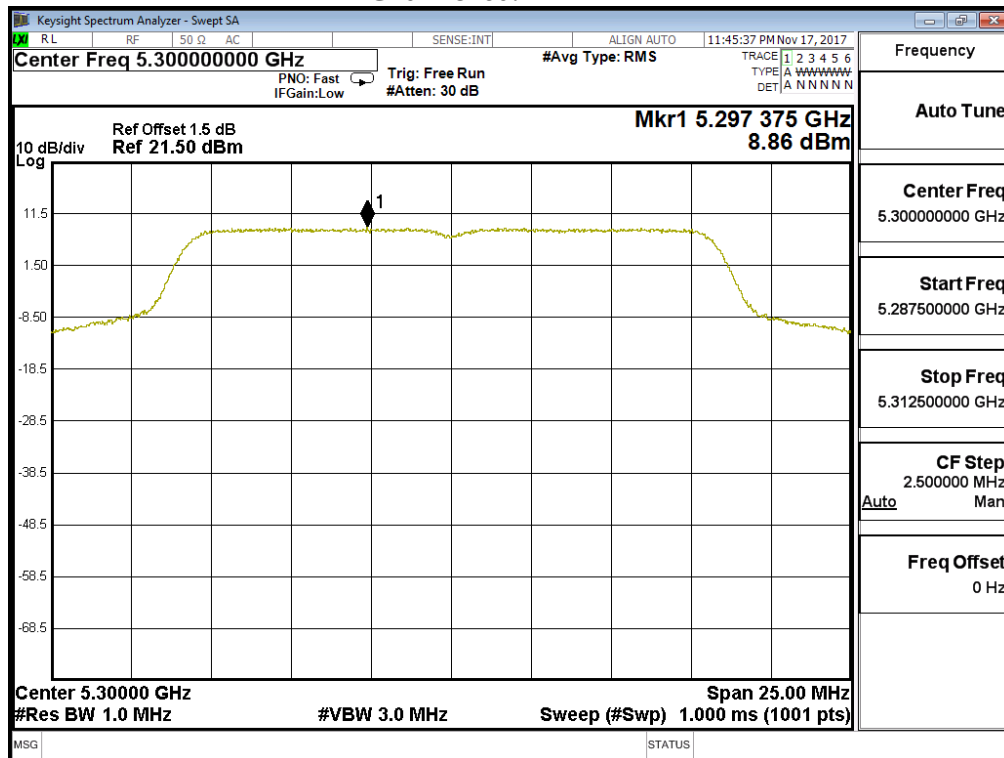
Channel 48:



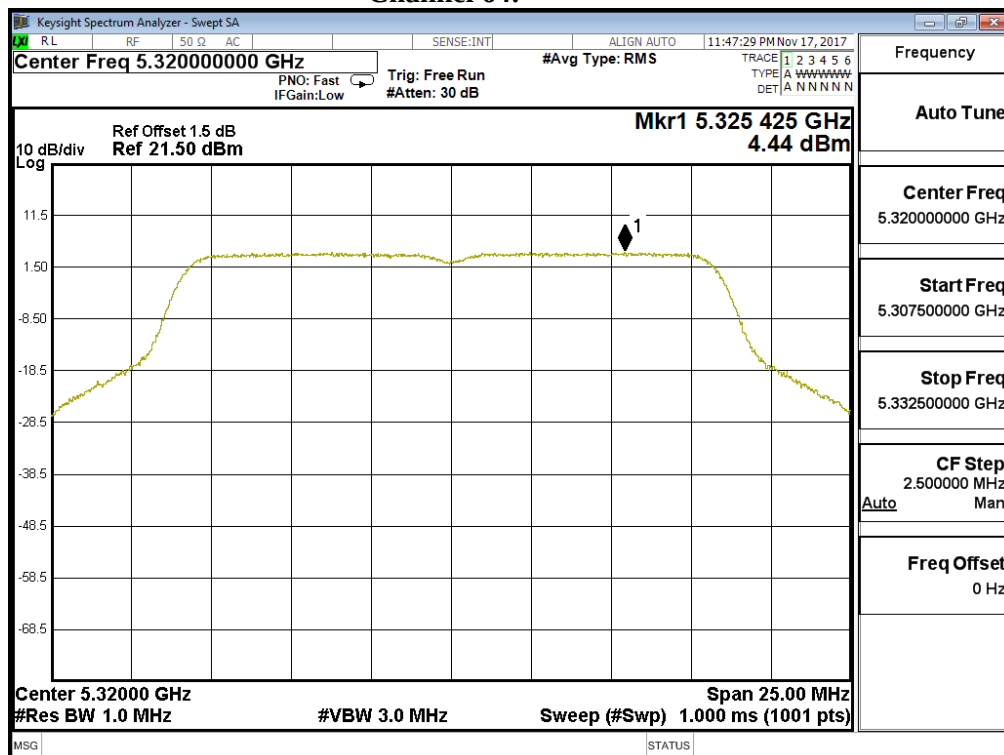
Channel 52:



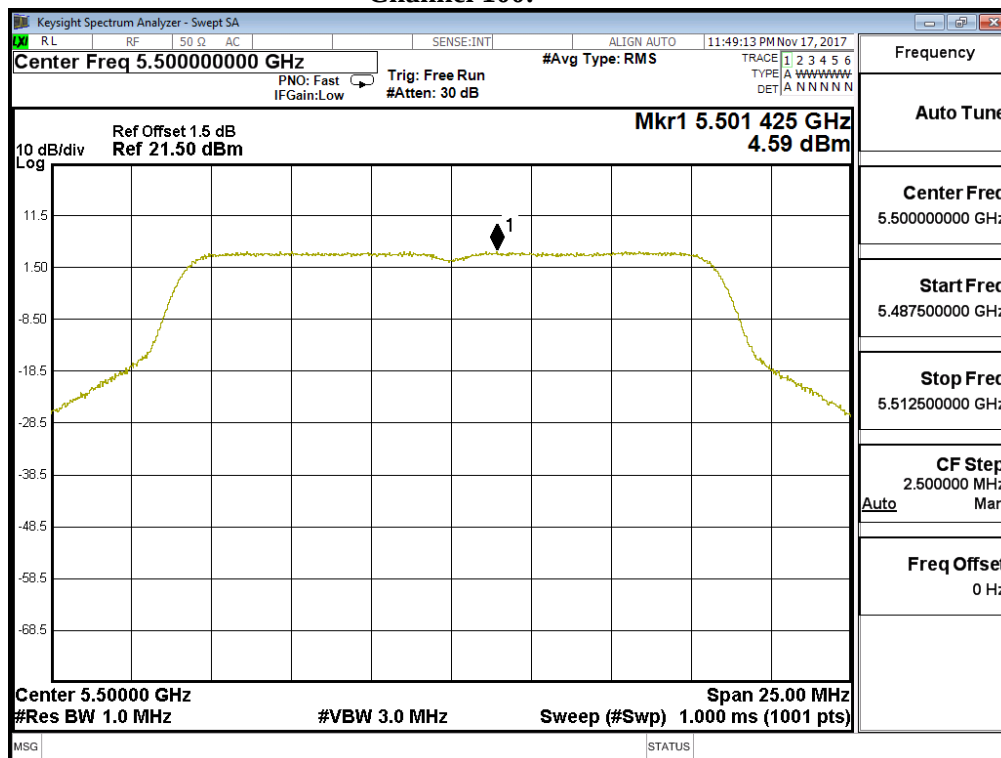
Channel 60:



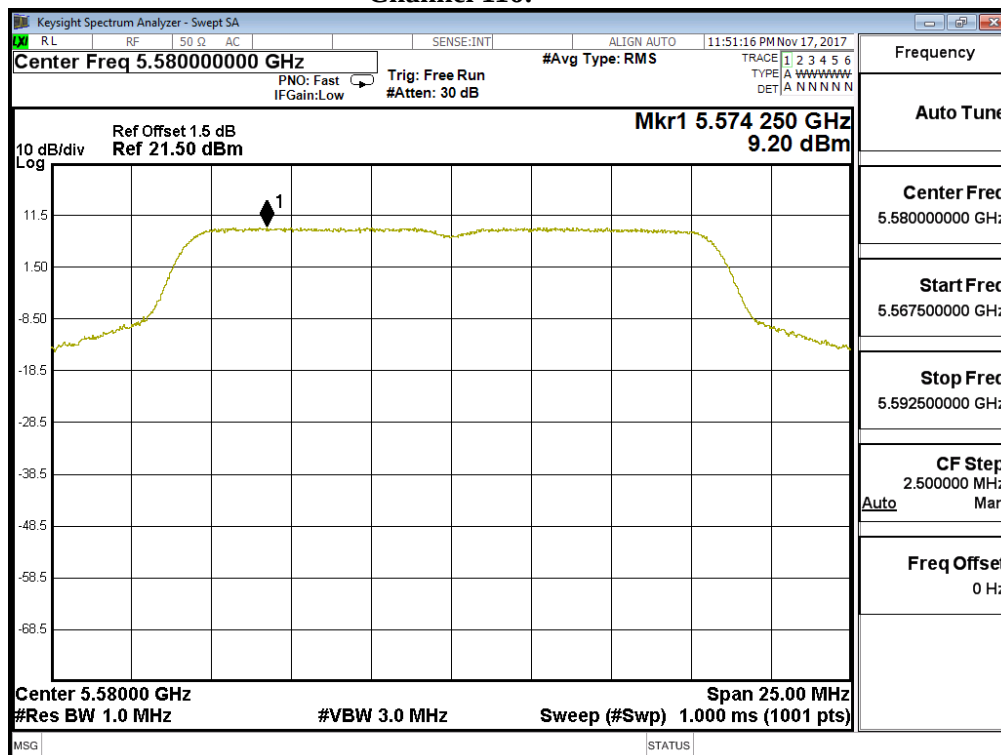
Channel 64:



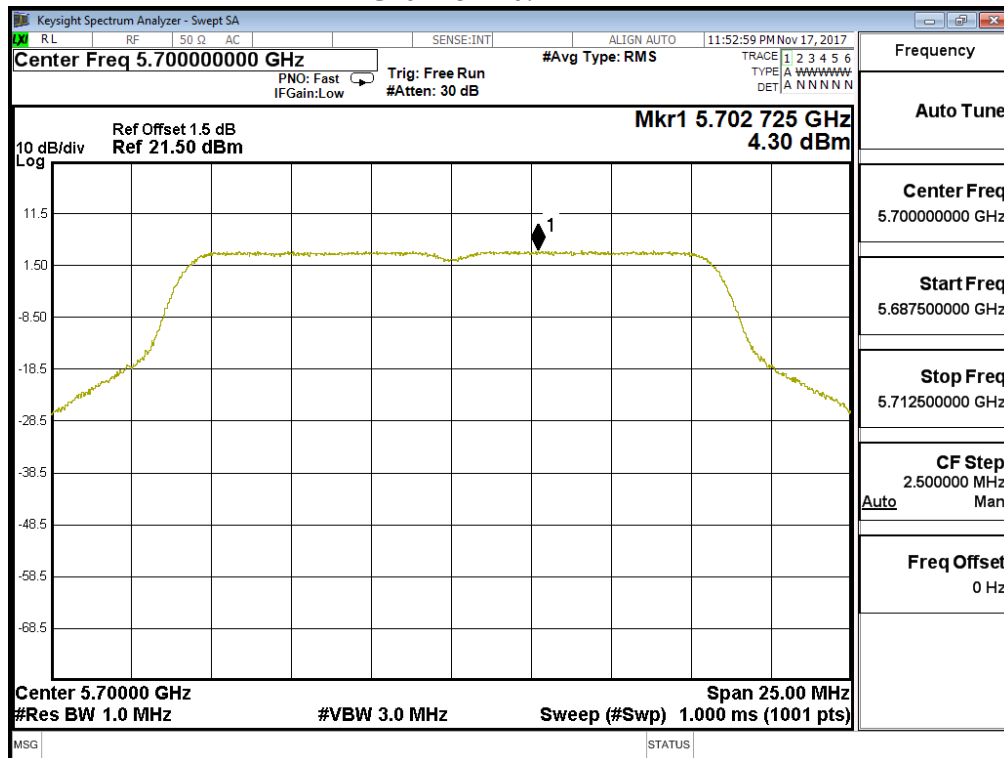
Channel 100:



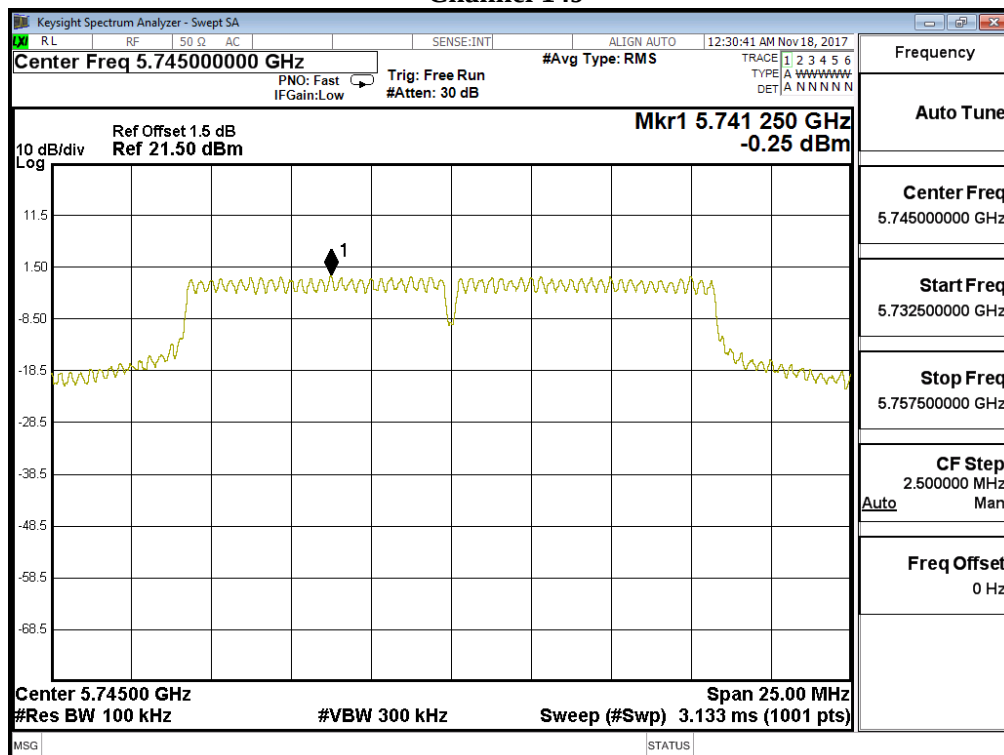
Channel 116:



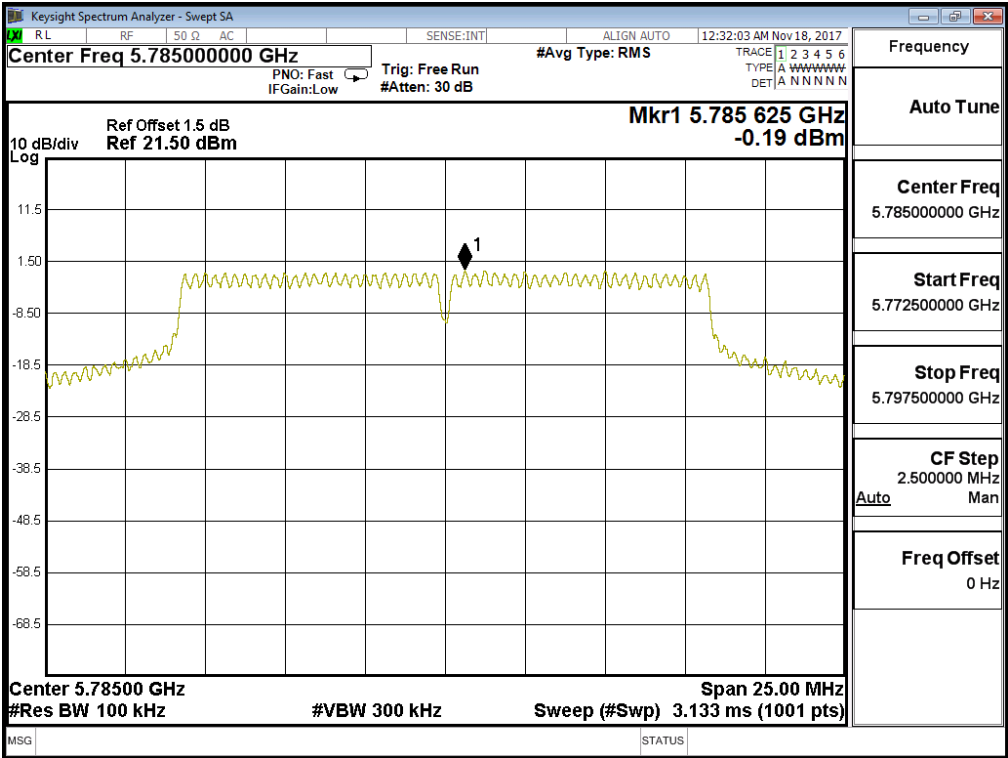
Channel 140:



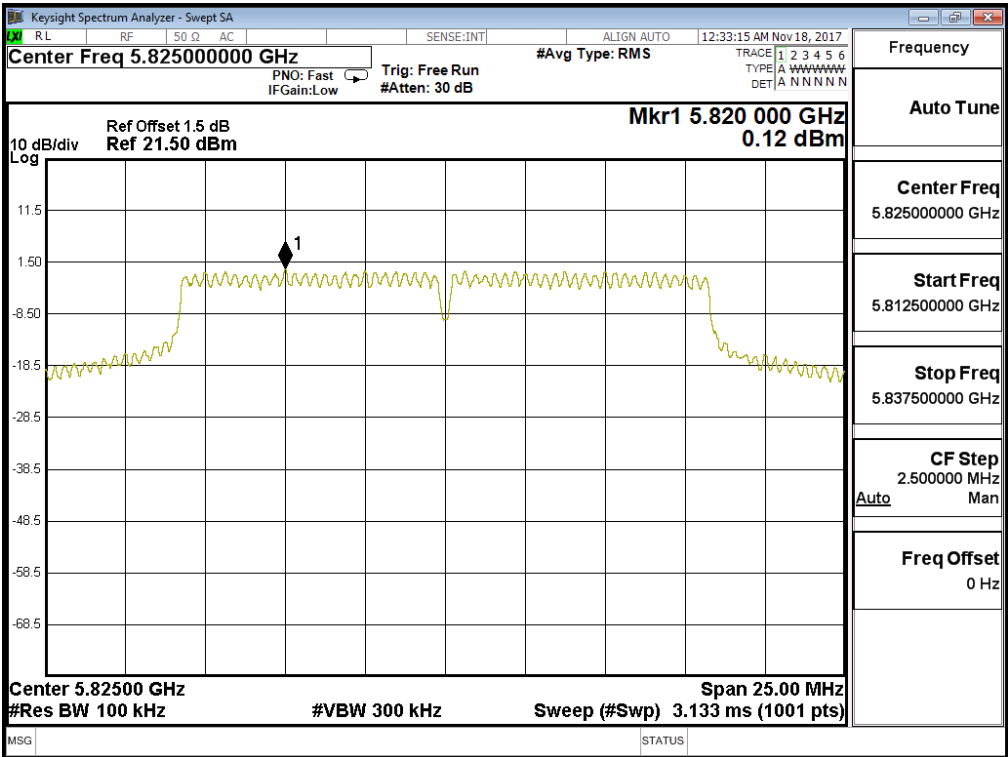
Channel 149



Channel 157



Channel 165



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11n-20BW

視頻頻寬：1MHz

環境溫度：21 °C

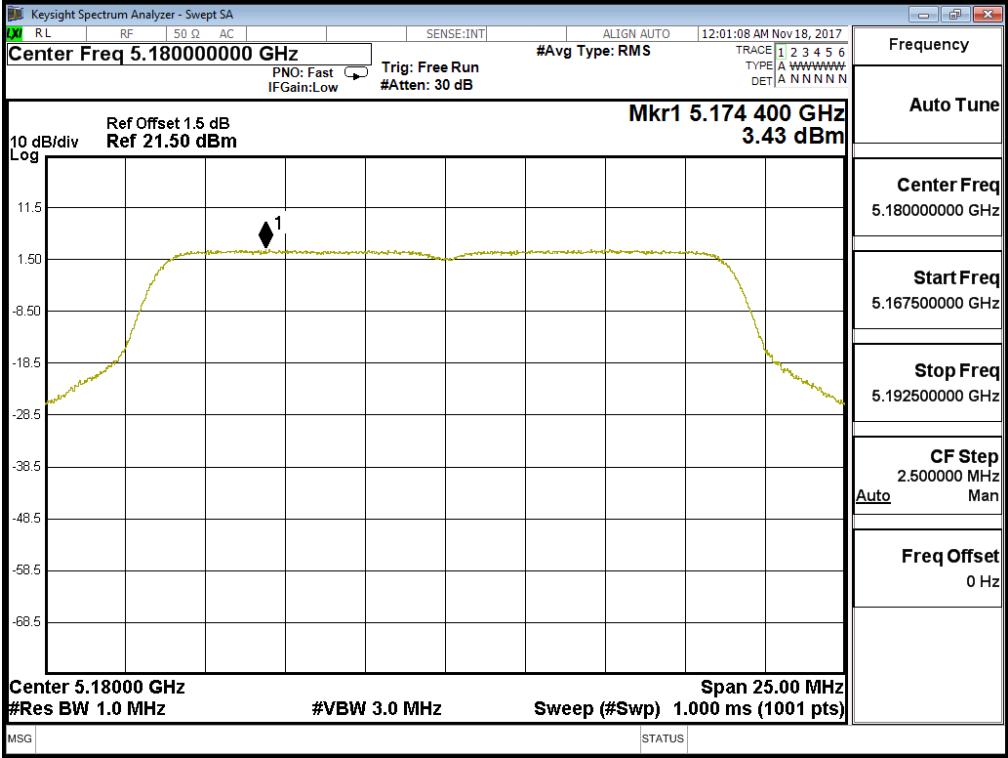
環境濕度：53 %

Channel Number	Frequency (MHz)	Data Rate (Mbps)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	6	3.430	11	Pass
44	5220	6	8.770	11	Pass
48	5240	6	8.570	11	Pass
52	5260	6	8.680	11	Pass
60	5300	6	8.520	11	Pass
64	5320	6	4.460	11	Pass
100	5500	6	4.680	11	Pass
116	5580	6	9.200	11	Pass
140	5700	6	4.150	11	Pass

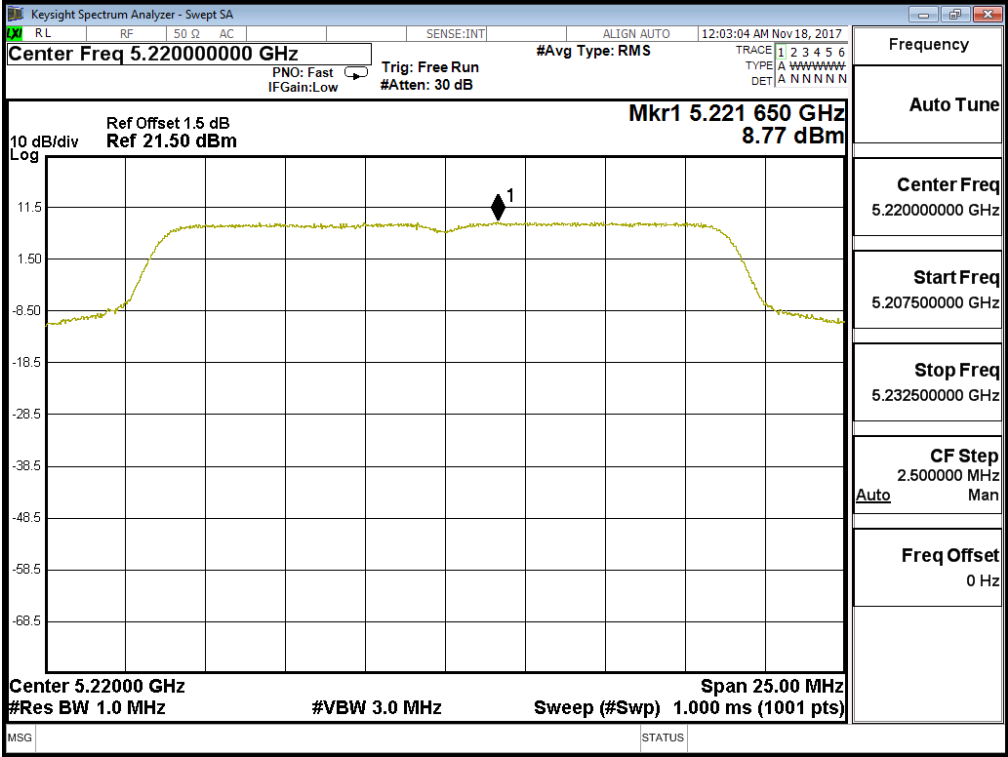
Channel Number	Frequency (MHz)	Data Rate (Mbps)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
149	5745	6	-0.590	6.980	6.390	<30	Pass
157	5785	6	-0.490	6.980	6.490	<30	Pass
165	5825	6	-0.960	6.980	6.020	<30	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

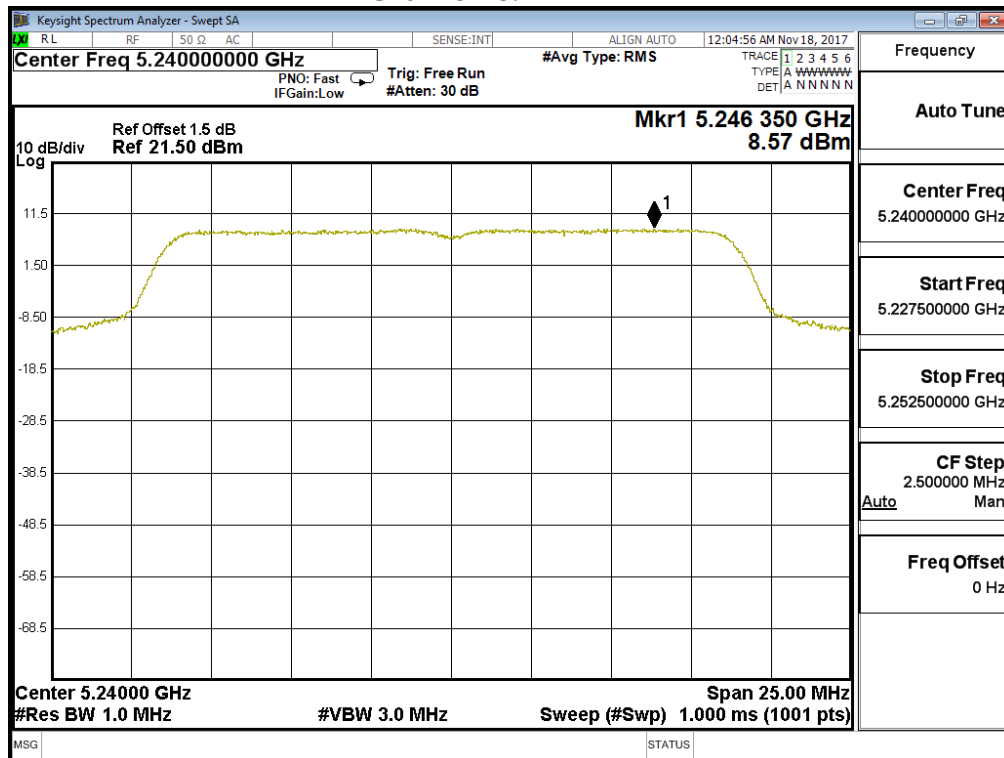
Channel 36:



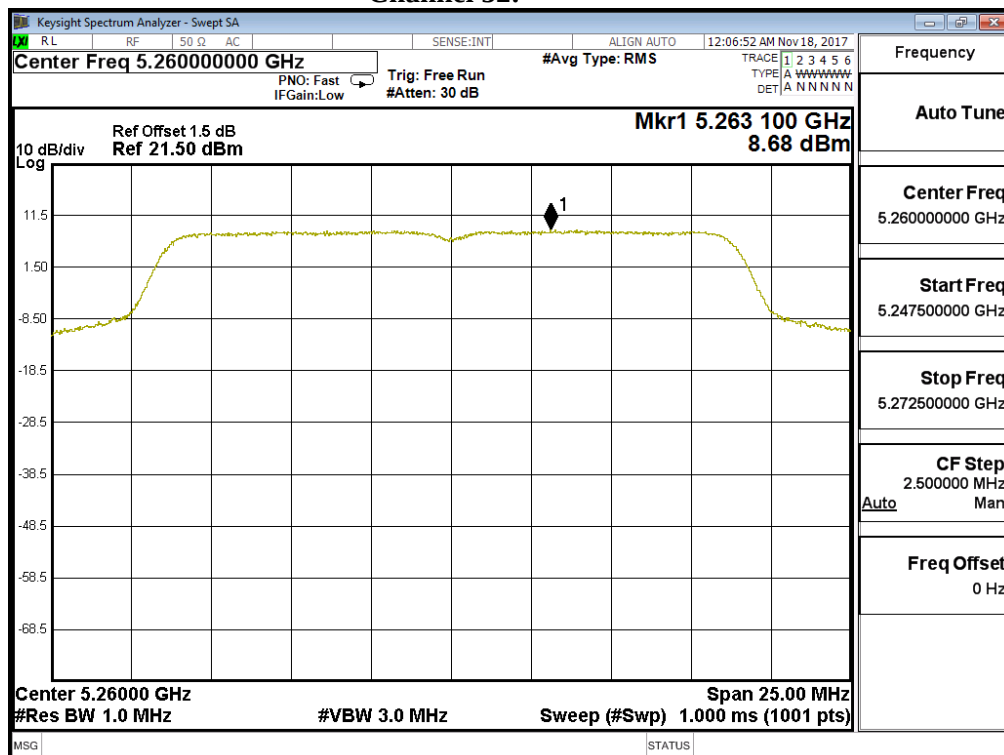
Channel 44:



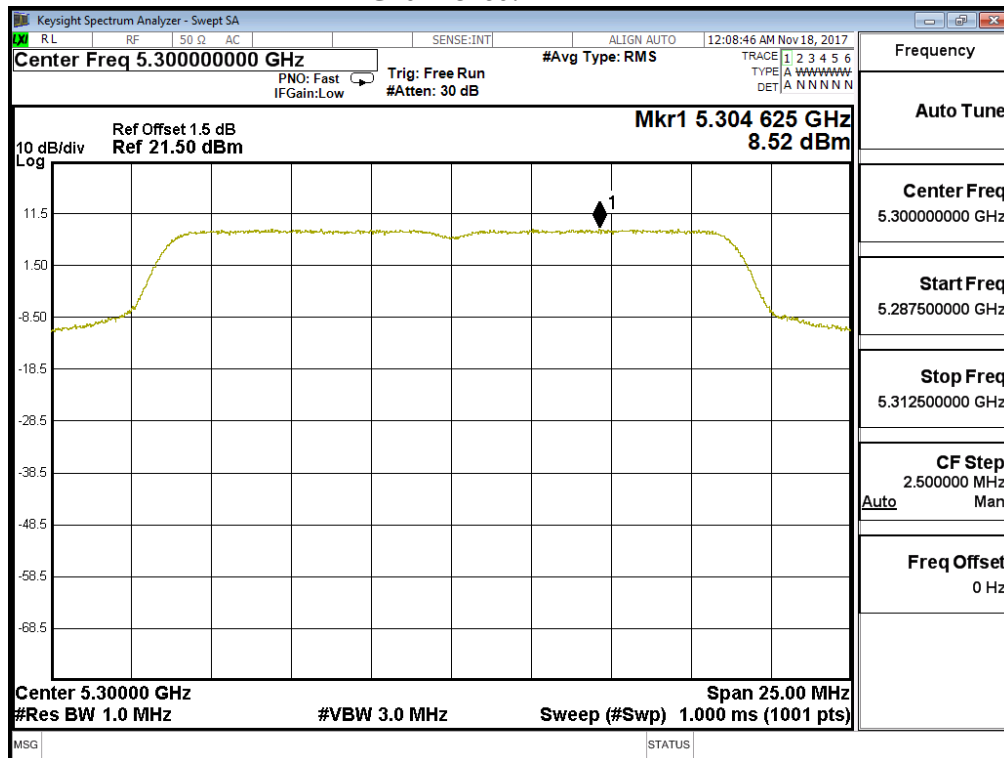
Channel 48:



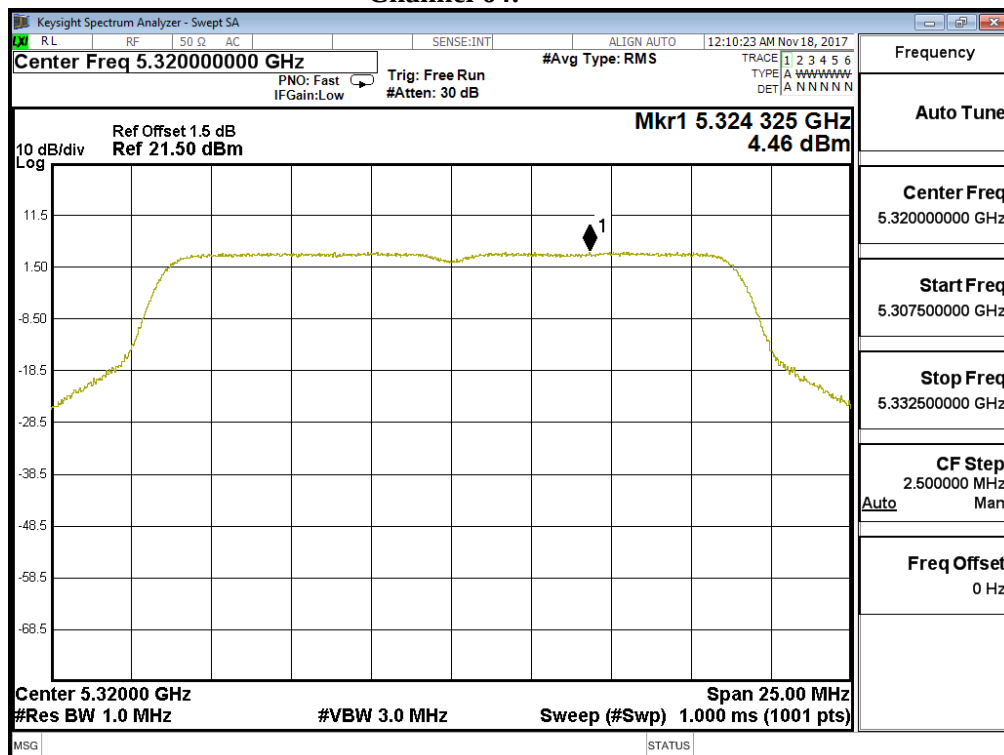
Channel 52:



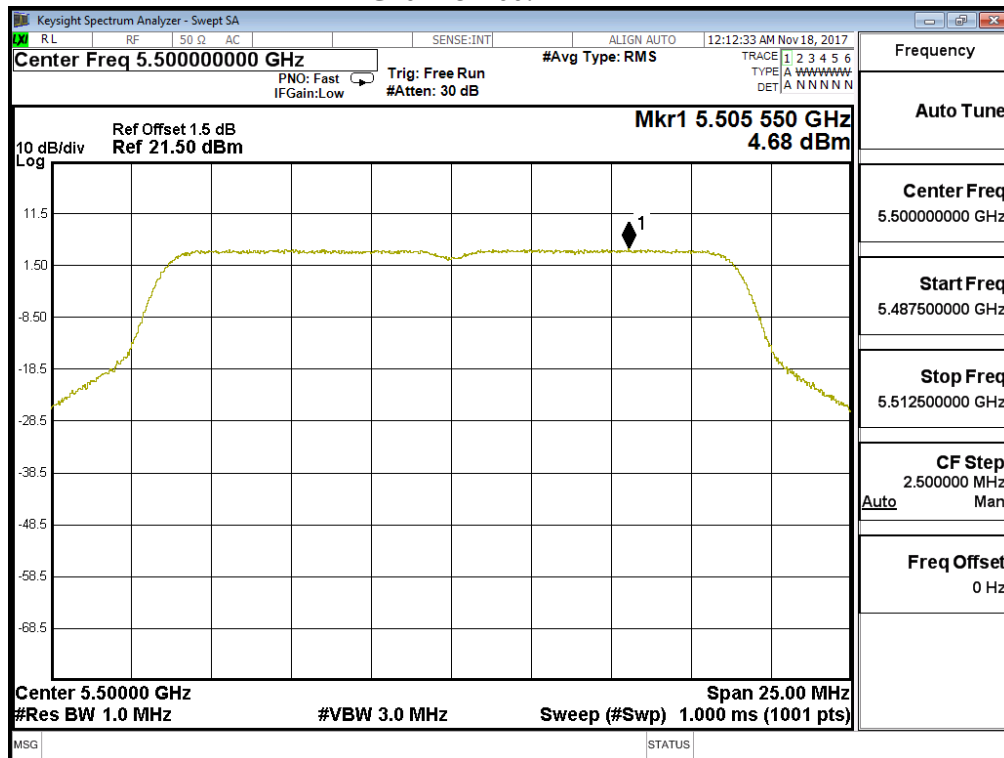
Channel 60:



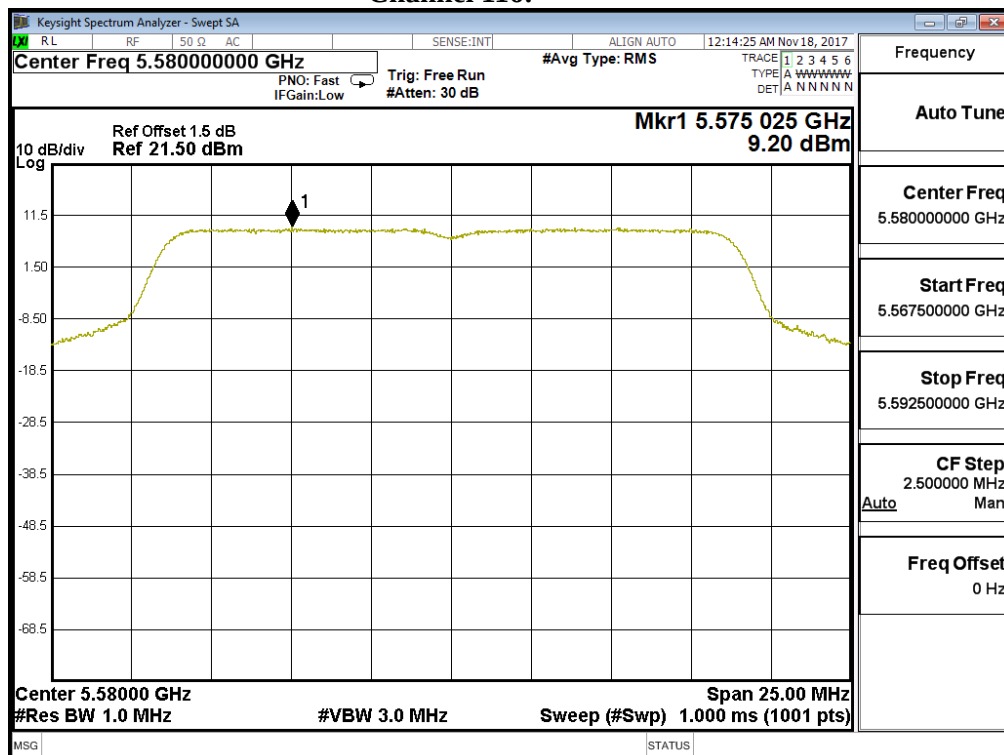
Channel 64:



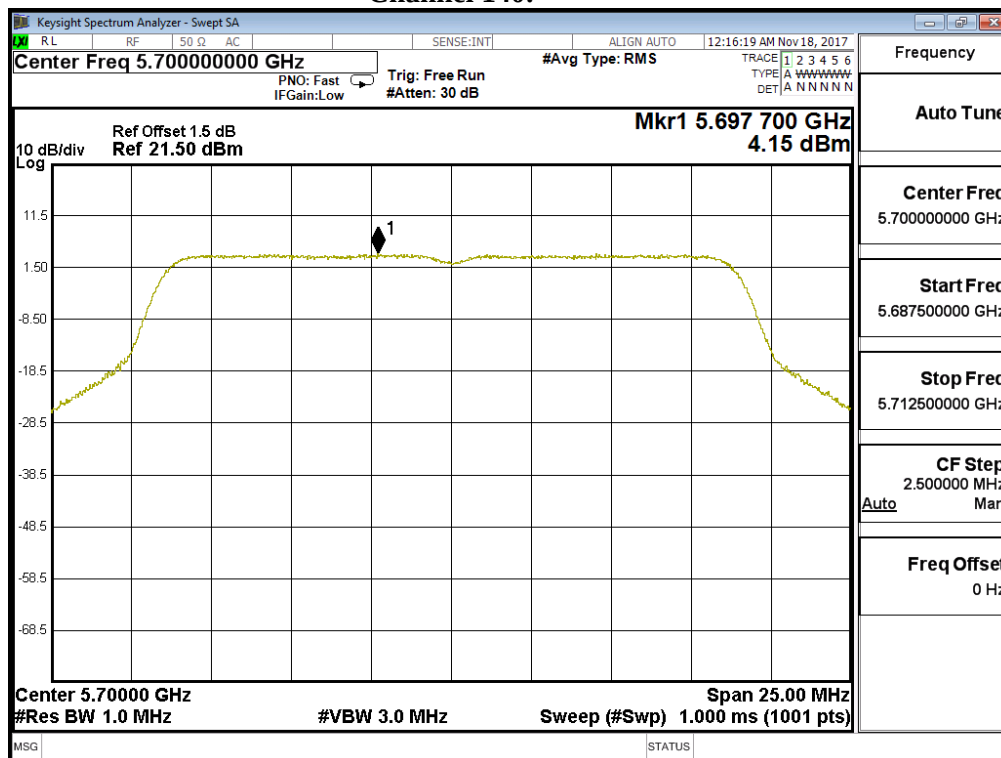
Channel 100:



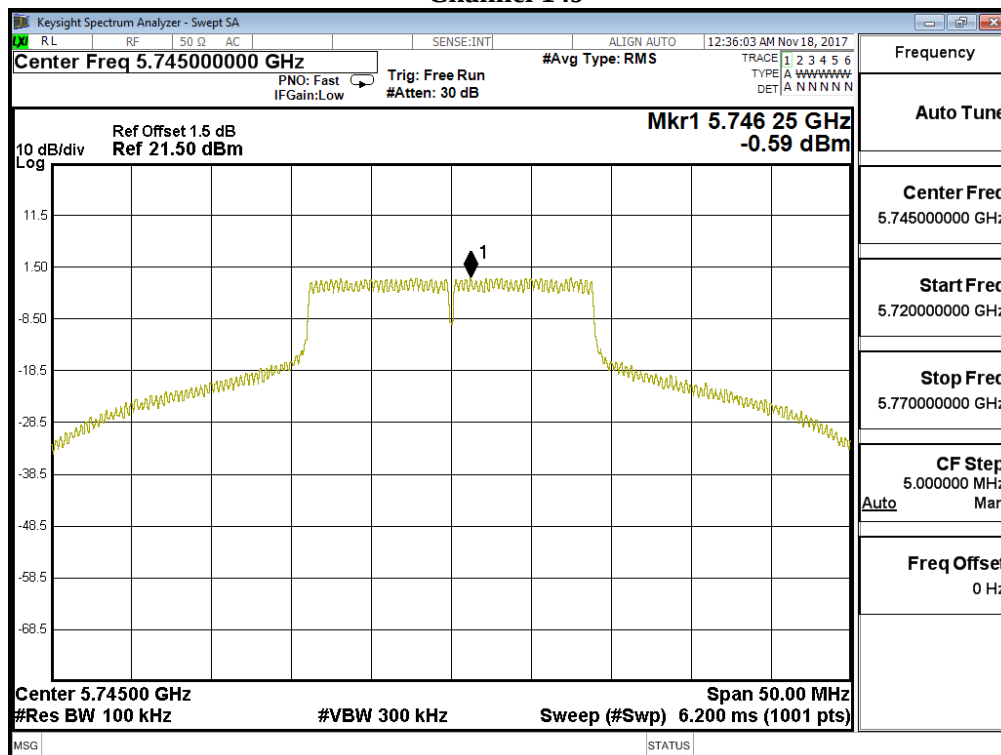
Channel 116:



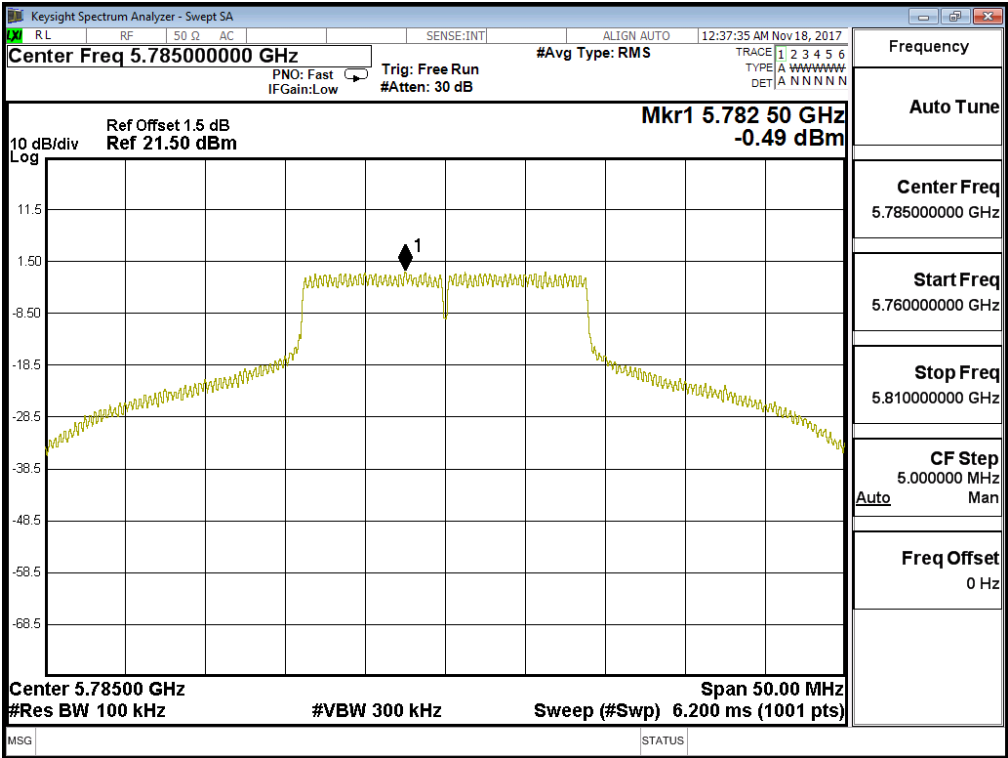
Channel 140:



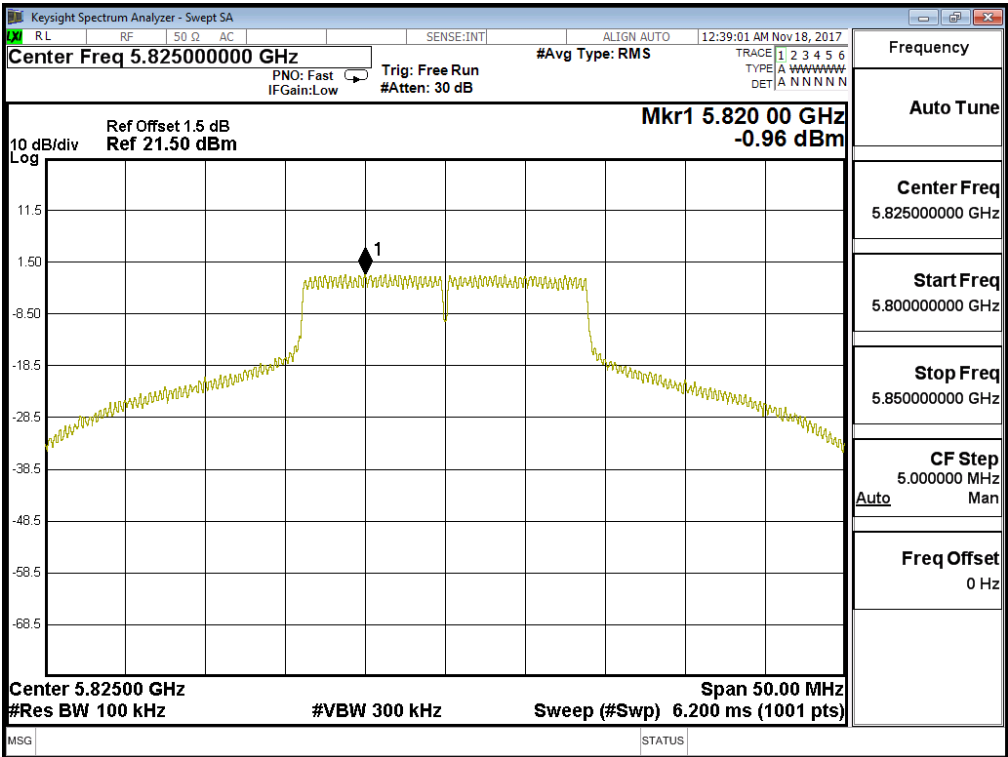
Channel 149



Channel 157



Channel 165



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11n-40BW

視頻頻寬：3MHz

環境溫度：21 °C

環境濕度：53 %

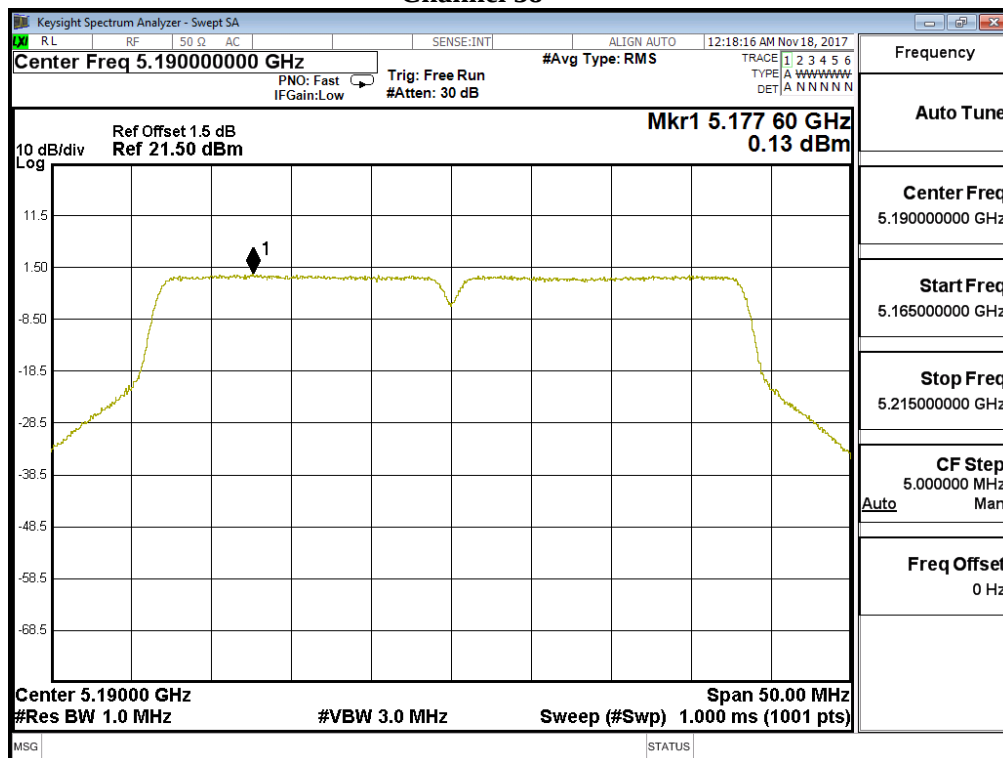
Channel Number	Frequency (MHz)	Total PPSD (dBm)	Required Limit (dBm)	Result
38	5190	0.130	<11	Pass
46	5230	5.390	<11	Pass
54	5270	5.600	<11	Pass
62	5310	0.870	<11	Pass
102	5510	1.110	<11	Pass
110	5550	5.650	<11	Pass
134	5670	0.670	<11	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

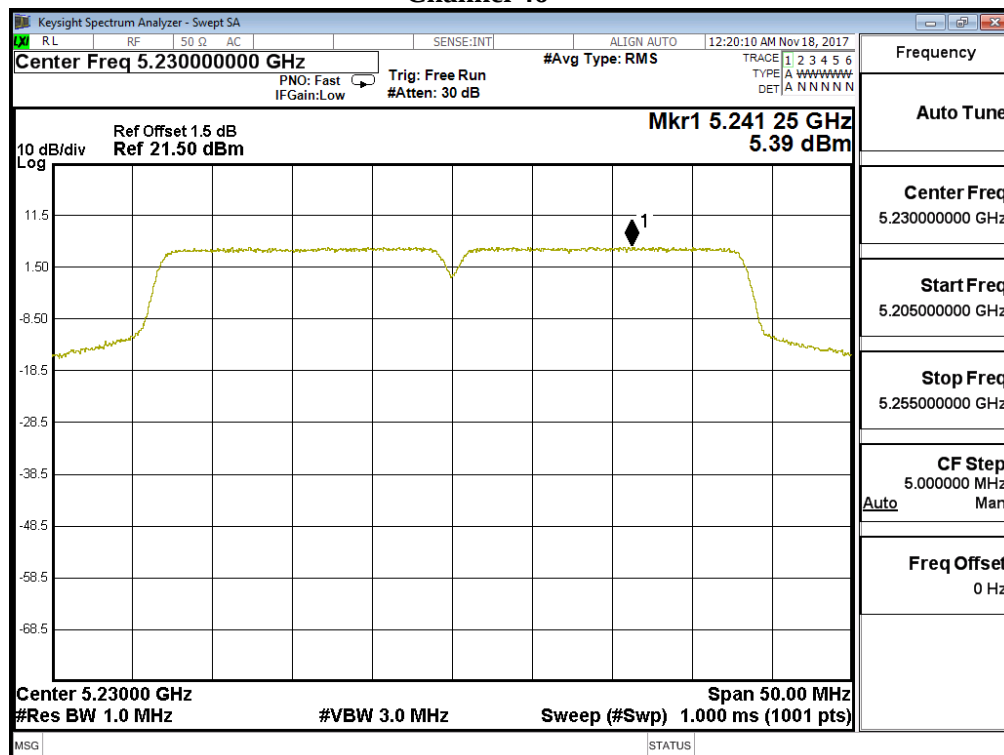
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
151	5755	-3.630	6.980	3.350	<30	Pass
159	5795	-4.030	6.980	2.950	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

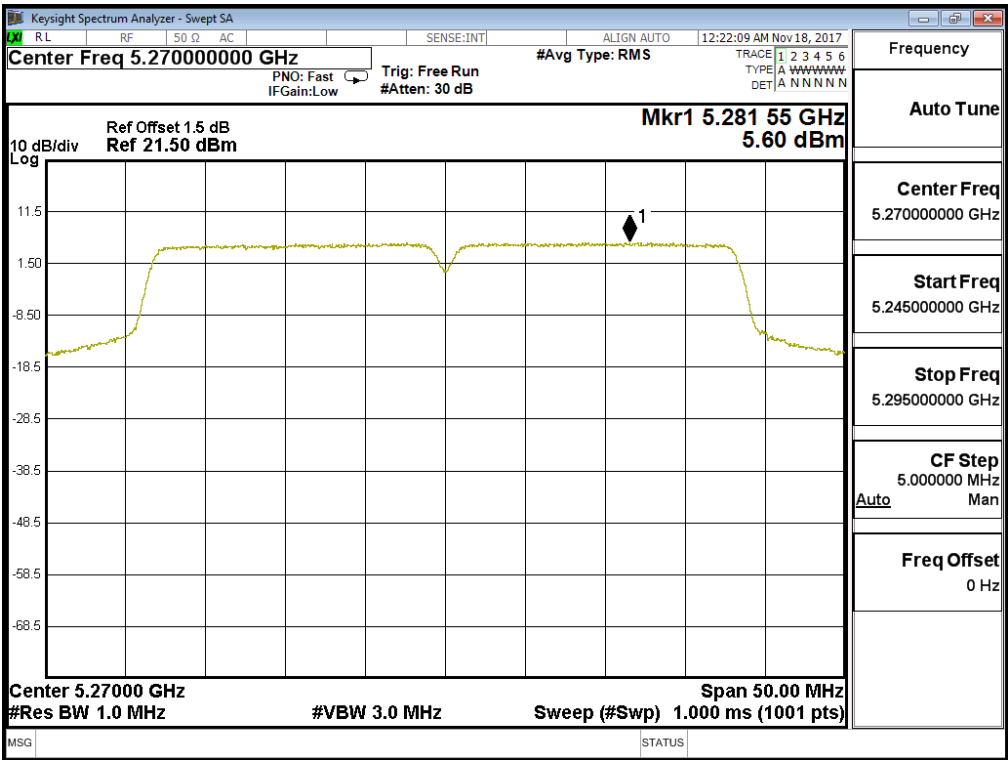
Channel 38



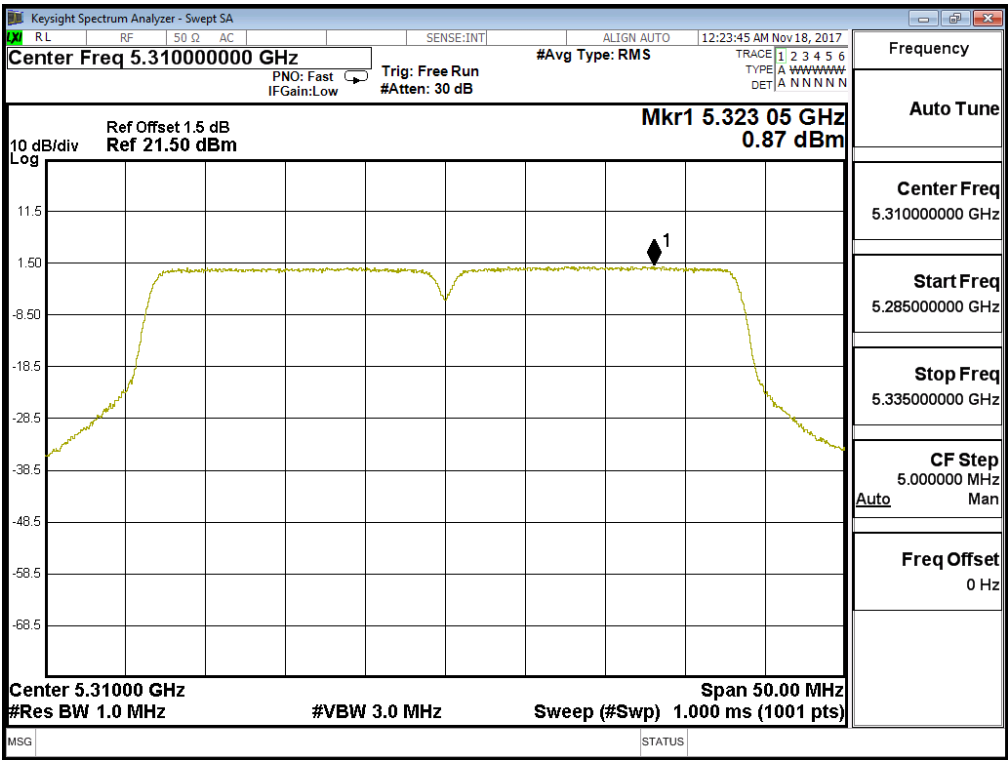
Channel 46



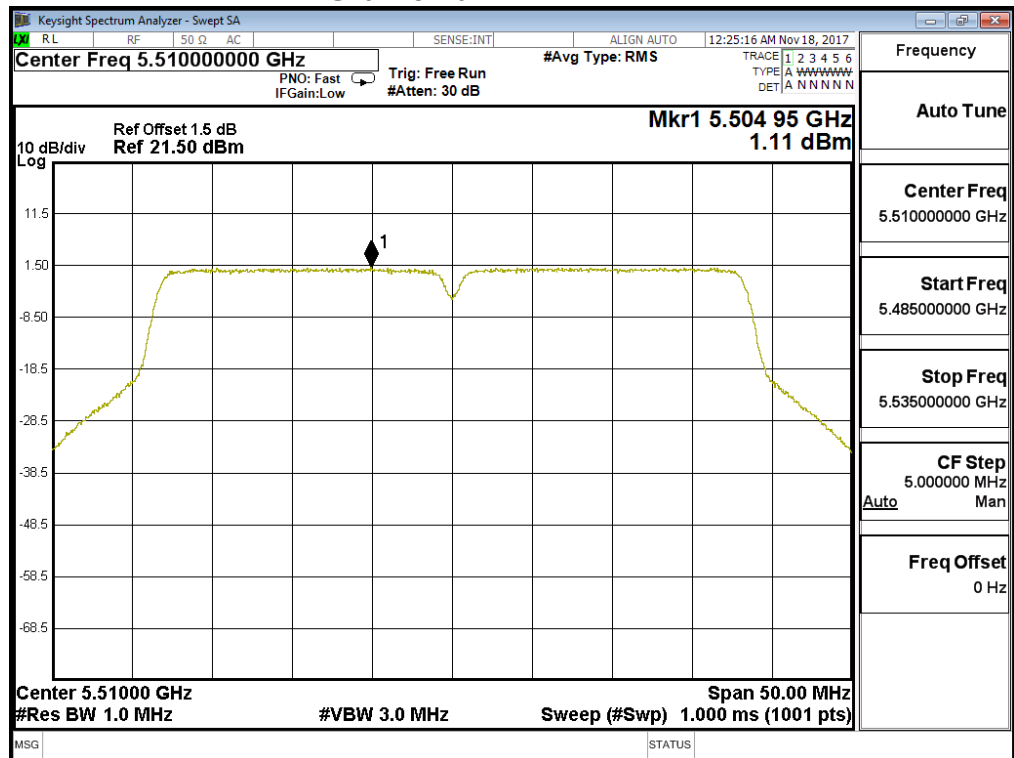
Channel 54



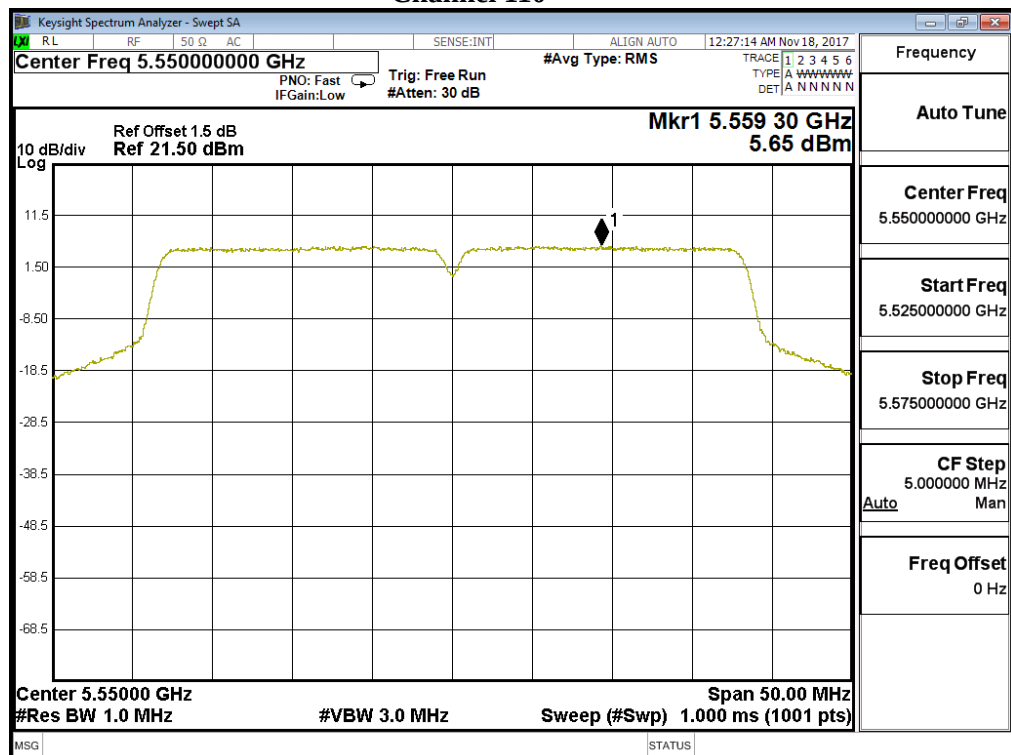
Channel 62



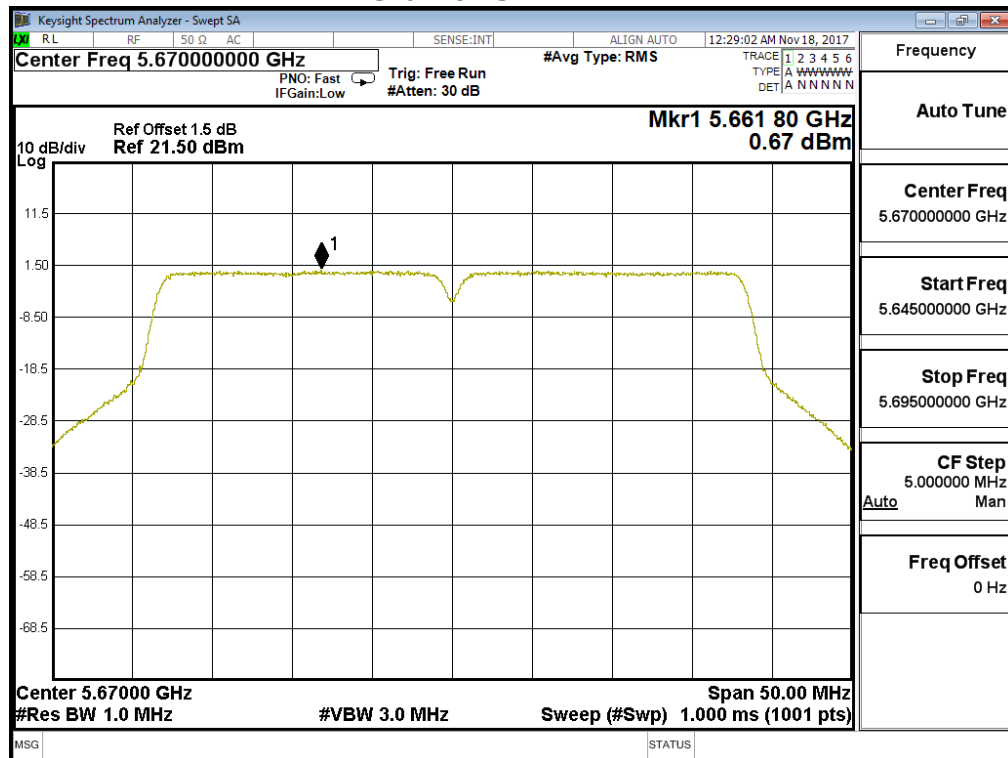
Channel 102



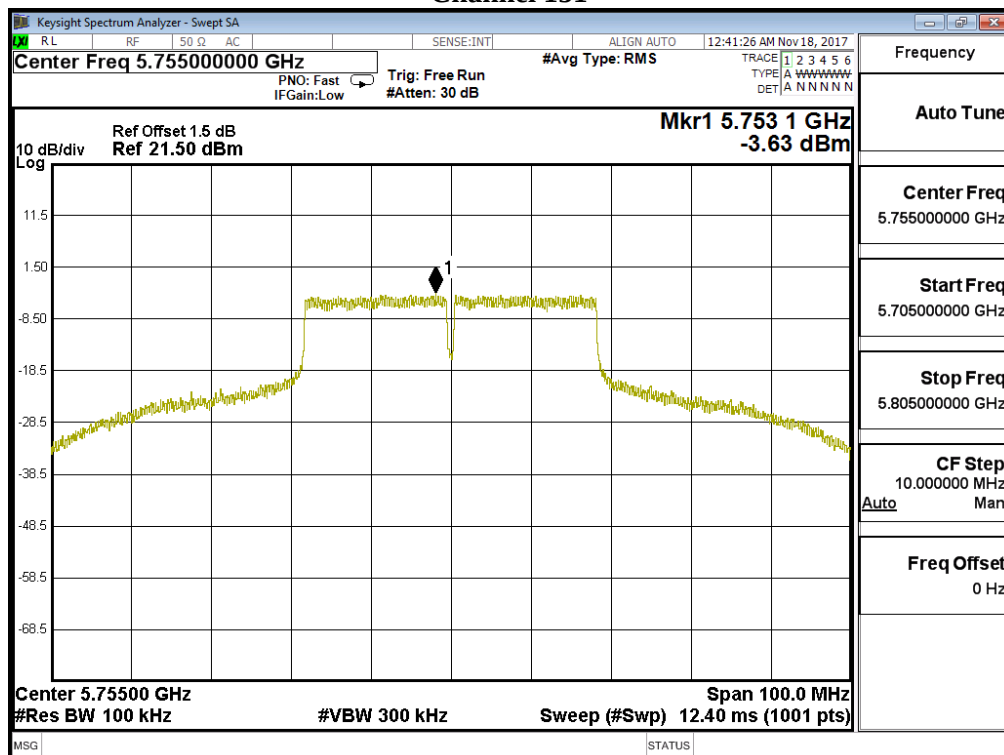
Channel 110



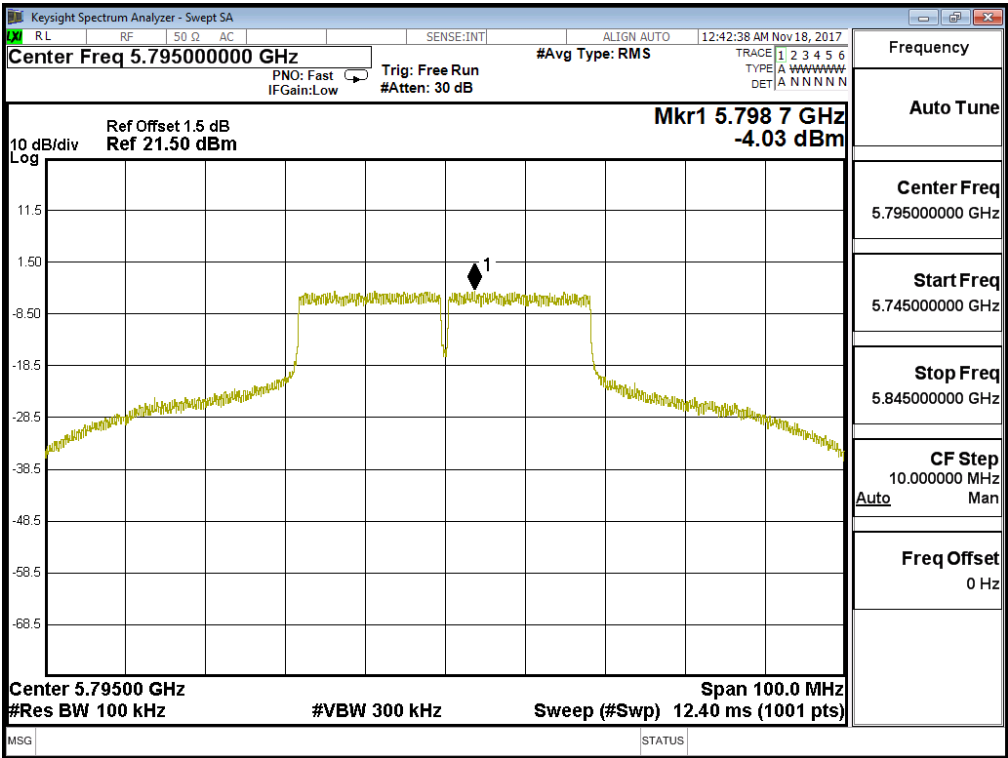
Channel 134



Channel 151



Channel 159



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11ac-20BW

視頻頻寬：3MHz

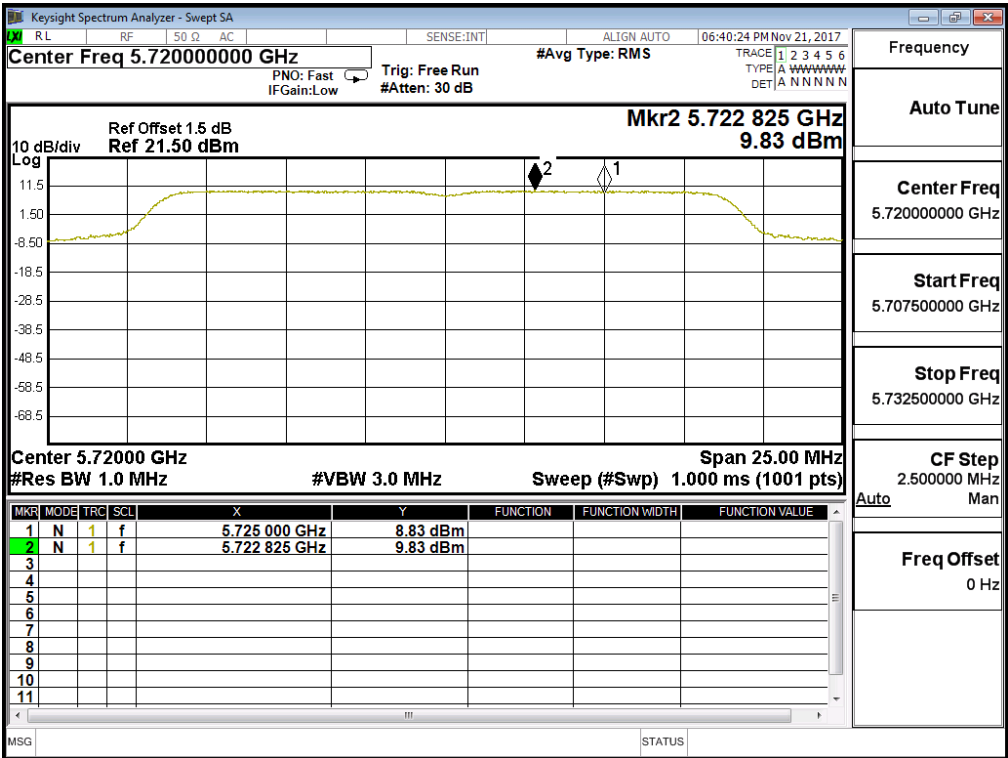
環境溫度：21 °C

環境濕度：53 %

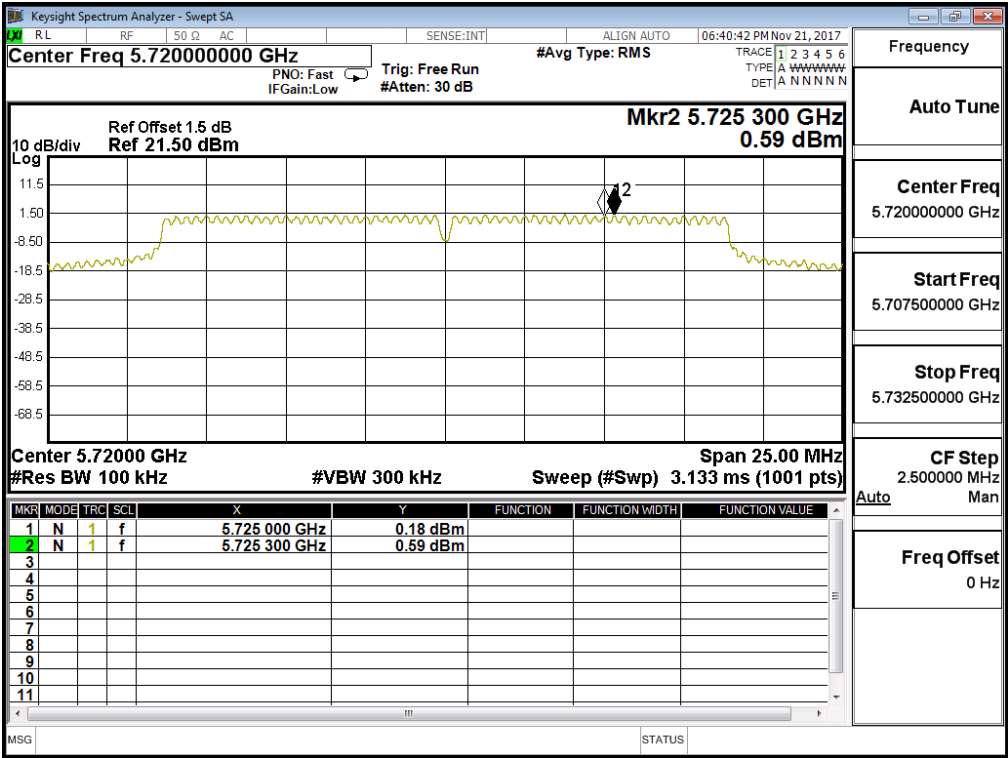
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
144	5720(Band3)	9.830	--	9.830	<11	Pass
144	5720(Band4)	0.590	6.98	7.570	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 144



Channel 144



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11ac-40BW

視頻頻寬：3MHz

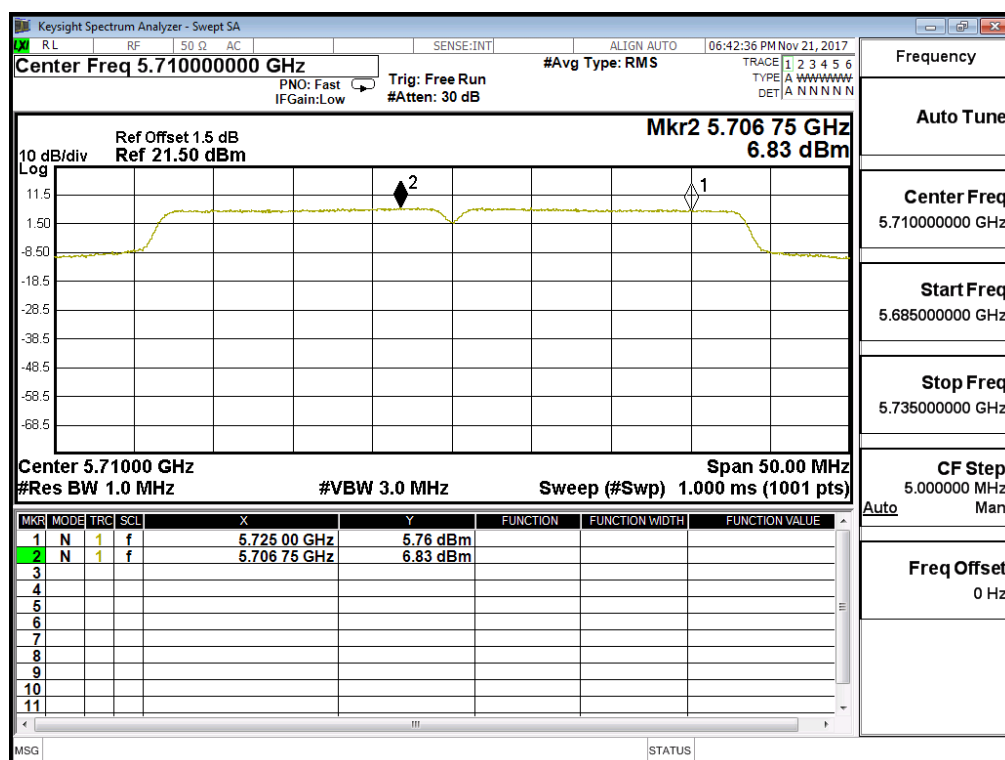
環境溫度：21 °C

環境濕度：53 %

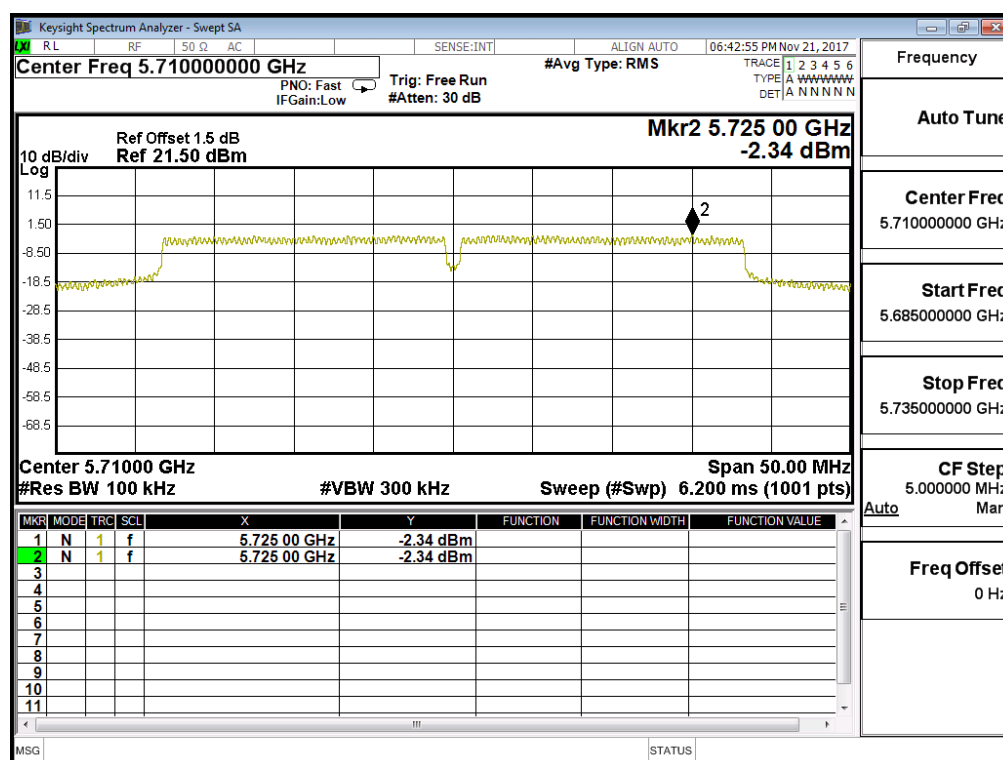
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
142	5710(Band3)	6.830	--	6.830	<11	Pass
142	5710(Band4)	-2.340	6.98	4.640	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 142:



Channel 142:



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11ac-80BW

視頻頻寬：3MHz

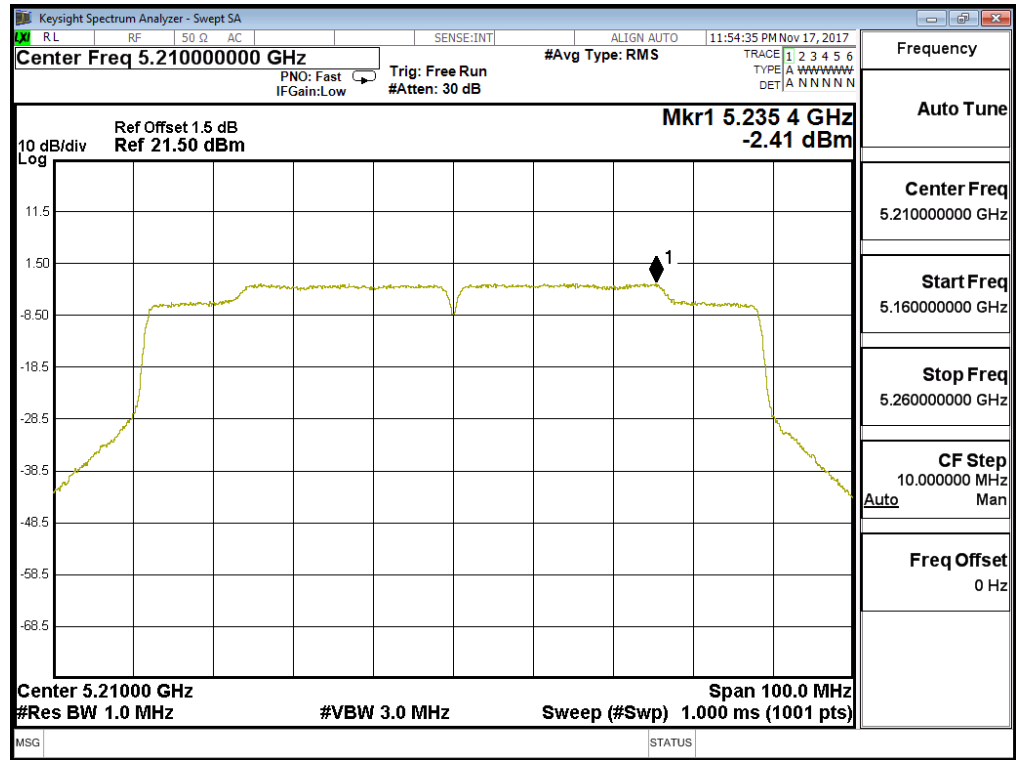
環境溫度：21 °C

環境濕度：53 %

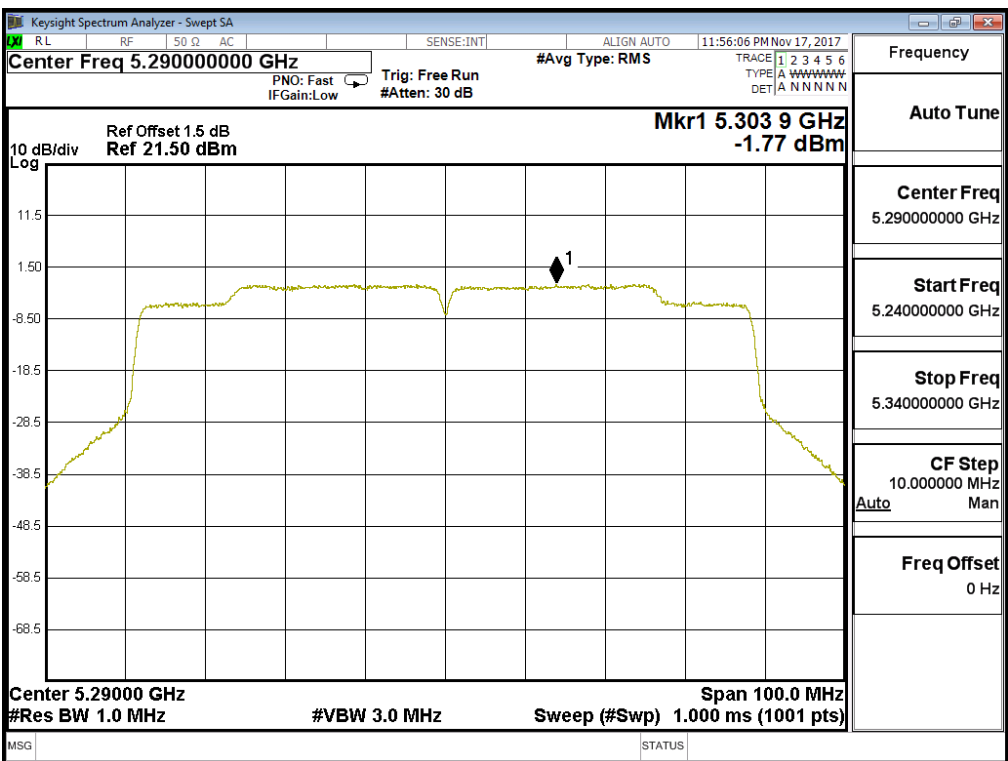
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
42	5210	-2.410	--	-2.410	<11	Pass
58	5290	-1.770	--	-1.770	<11	Pass
106	5530	-1.850	--	-1.850	<11	Pass
122	5610	3.180	--	3.180	<11	Pass
138	5690 (Band3)	4.530	--	4.530	<11	Pass
138	5690 (Band4)	-8.760	6.98	-8.760	<30	Pass
155	5775	-10.730	6.98	-10.730	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

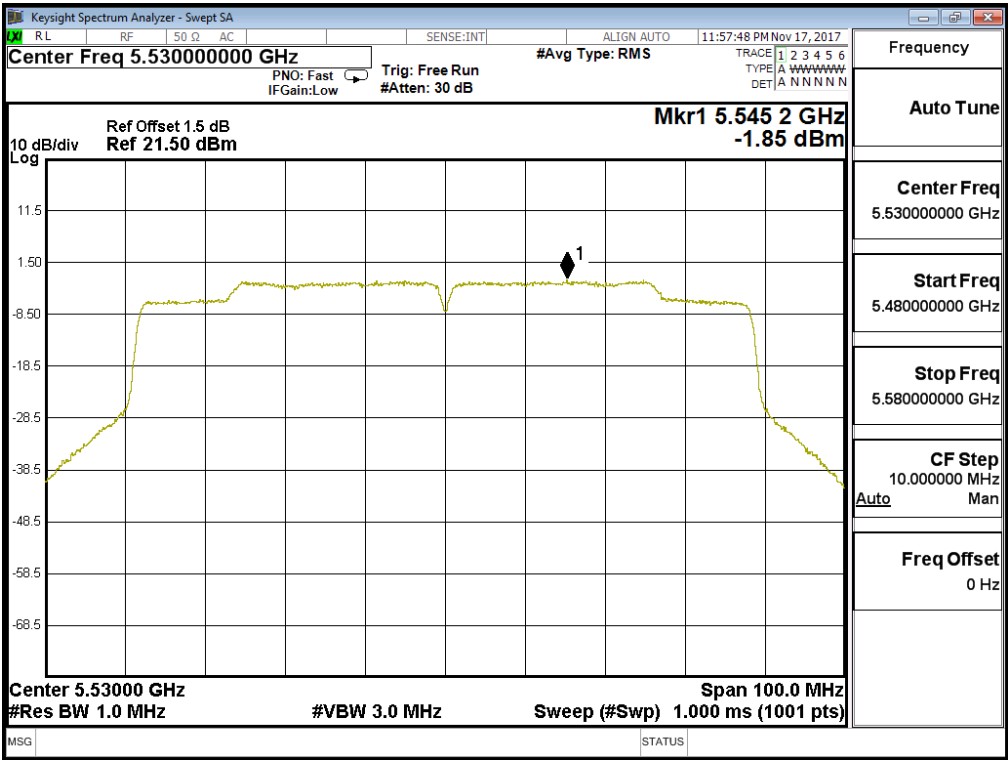
Channel 42:



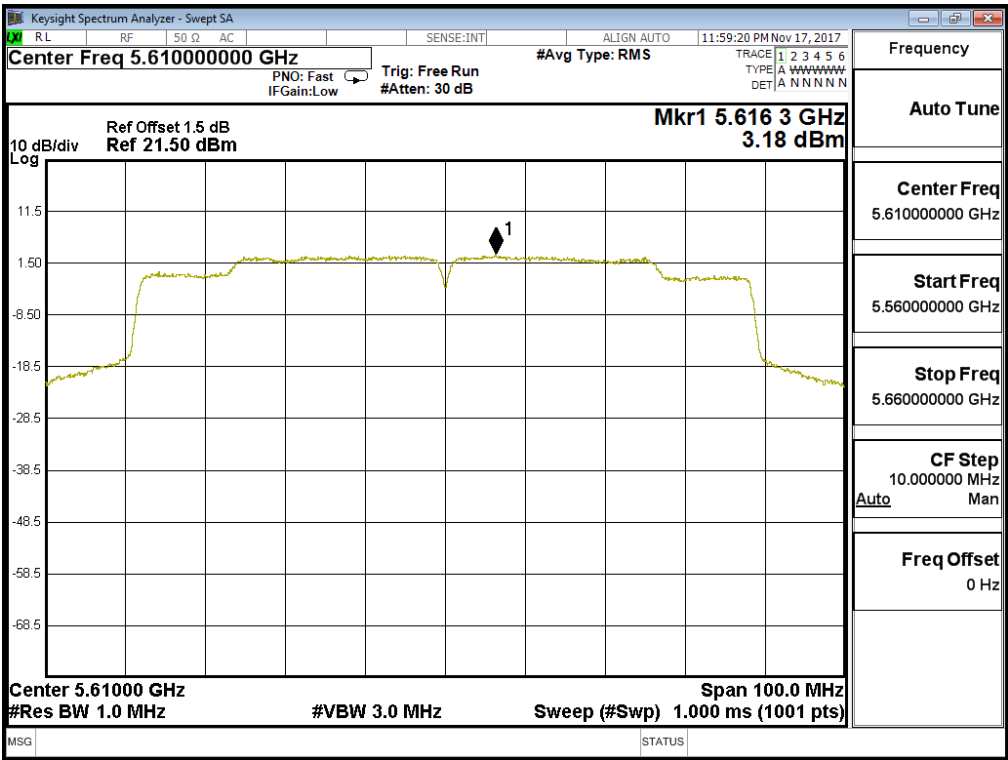
Channel 58:



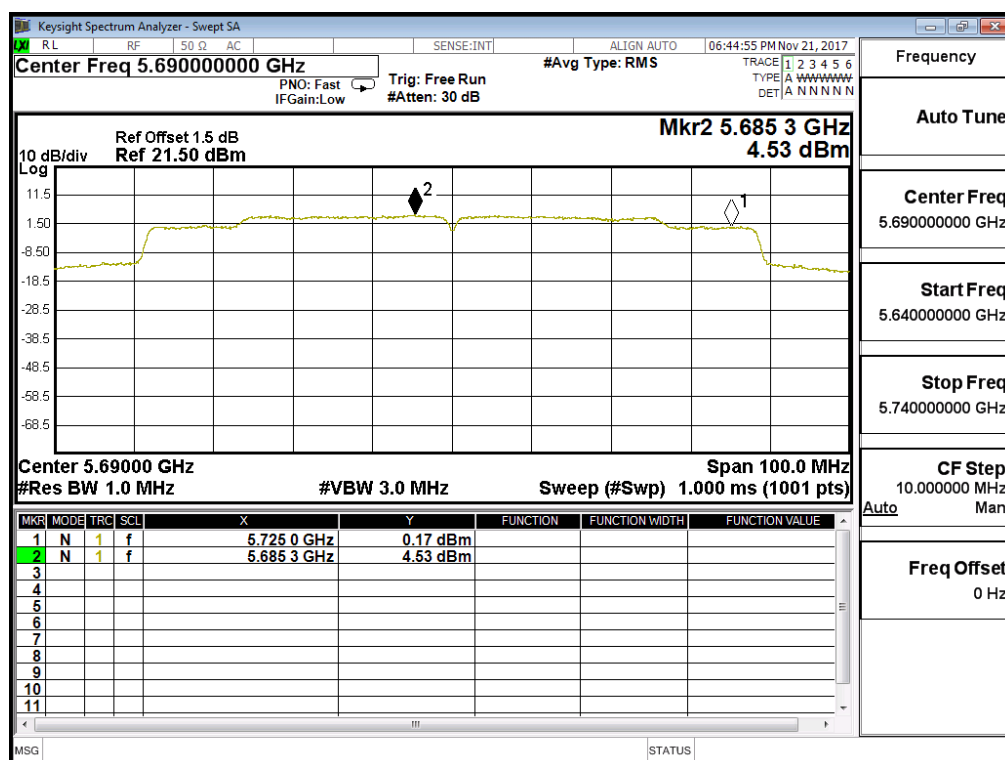
Channel 106:



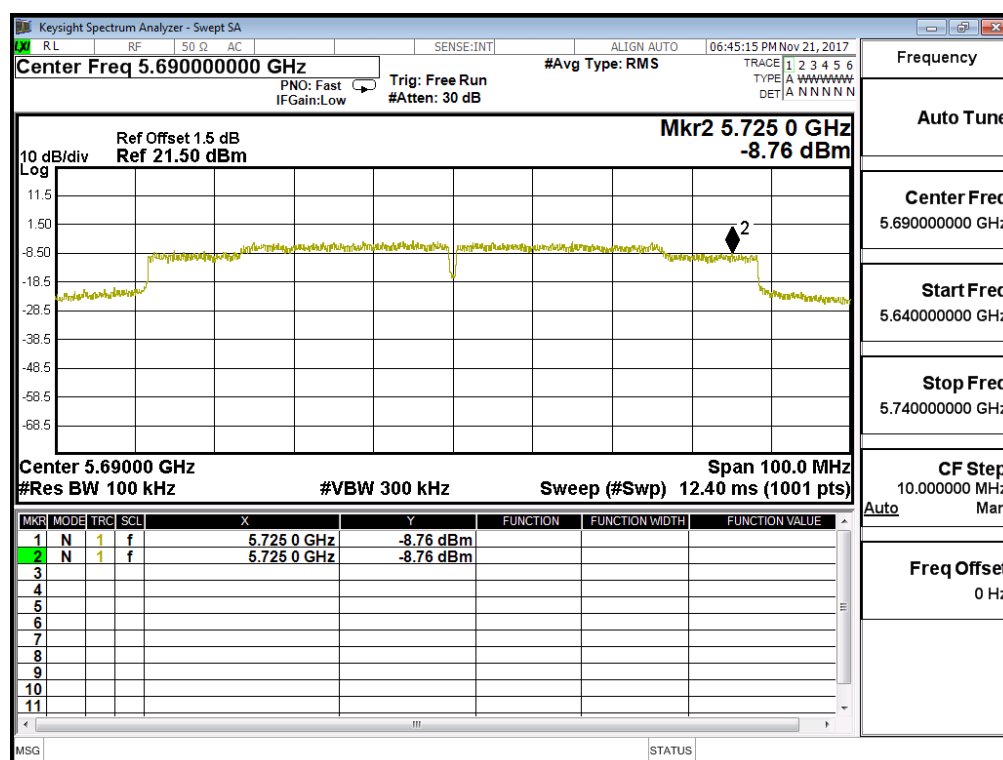
Channel 122:



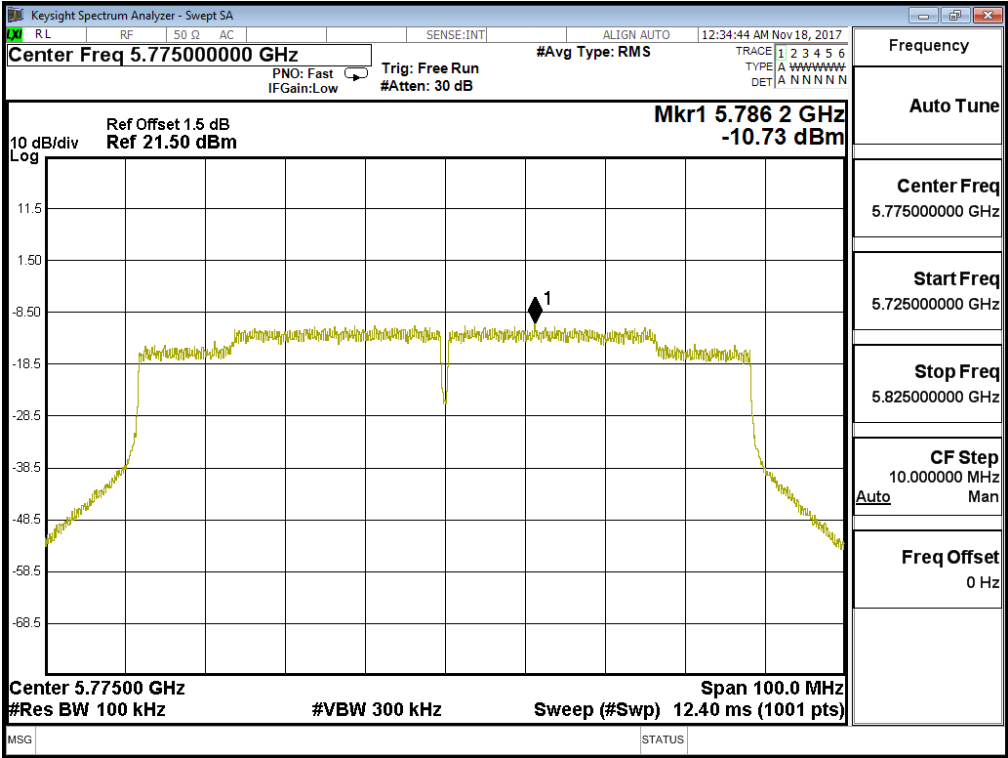
Channel 138:



Channel 138:



Channel 155:



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11ac-160BW

視頻頻寬：3MHz

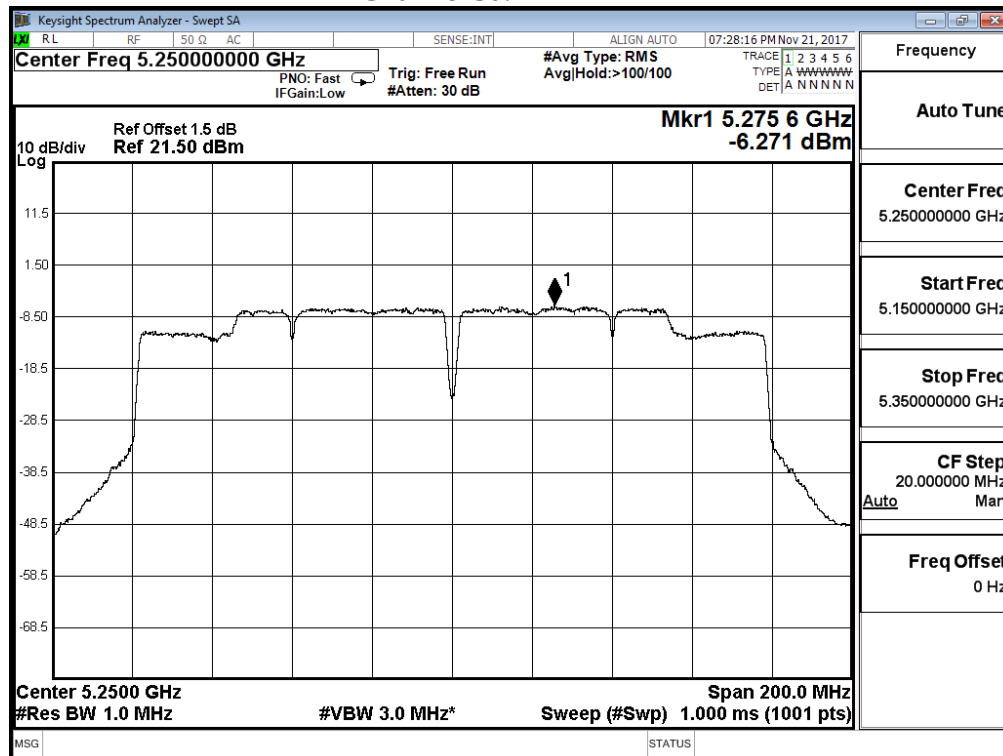
環境溫度：21 °C

環境濕度：53 %

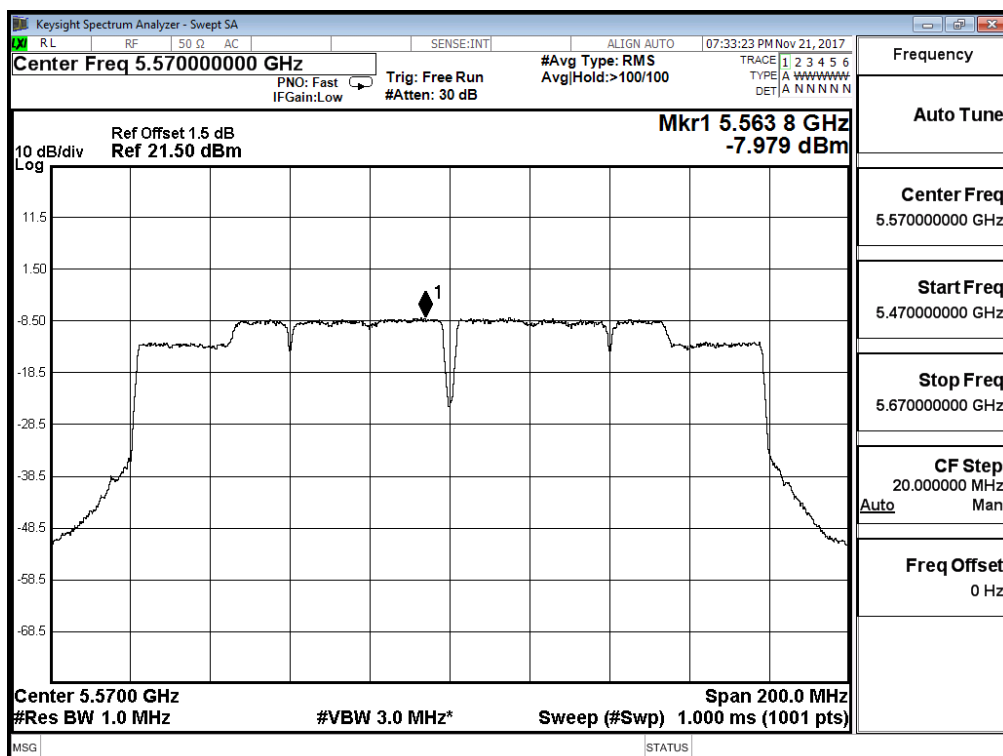
Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
50	5250	-6.271	--	-6.271	<11	Pass
114	5570	-7.979	--	-7.979	<11	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 50:



Channel 114:



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢 測 器：峰值

測試日期：106 年 11 月 17 日

測 試 項 目：峰值功率頻譜密度

測 試 模 式：Mode 3: MIMO: 發射器 802.11n-20BW

視 頻 頻 寬：1MHz

環 境 溫 度：21 °C

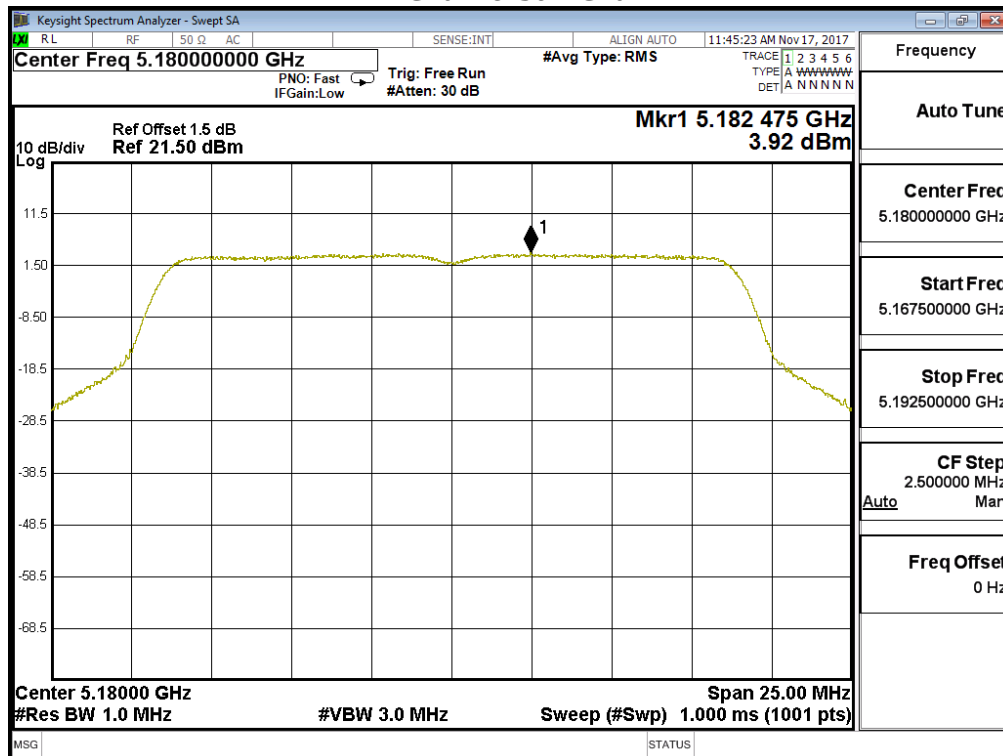
環 境 濕 度：53 %

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PPSD (dBm) ¹	Required Limit (dBm)	Result
36	5180	A	3.920	6.930	11	Pass
		B	3.430	6.440	11	Pass
44	5220	A	6.160	9.170	11	Pass
		B	5.820	8.830	11	Pass
48	5240	A	5.810	8.820	11	Pass
		B	6.010	9.020	11	Pass
52	5260	A	6.020	9.030	11	Pass
		B	6.300	9.310	11	Pass
60	5300	A	6.080	9.090	11	Pass
		B	6.210	9.220	11	Pass
64	5320	A	4.500	7.510	11	Pass
		B	4.190	7.200	11	Pass
100	5500	A	3.810	6.820	11	Pass
		B	3.810	6.820	11	Pass
116	5580	A	6.450	9.460	11	Pass
		B	6.300	9.310	11	Pass
140	5700	A	4.350	7.360	11	Pass
		B	4.530	7.540	11	Pass

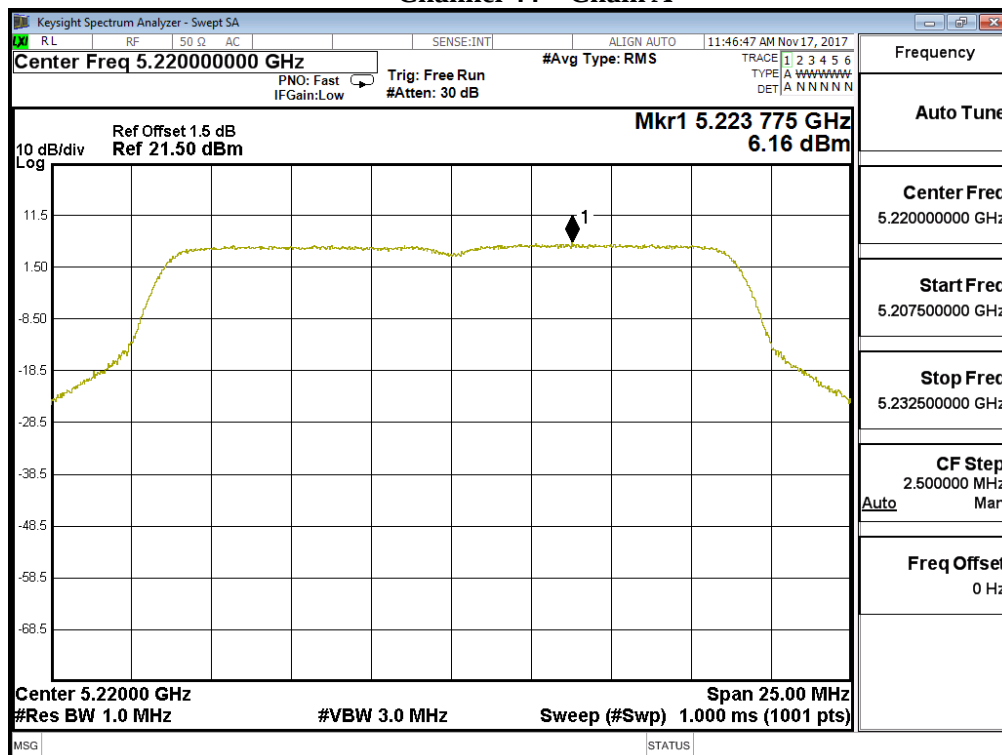
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm) ¹	Required Limit (dBm)	Result
149	5745	A	-0.900	6.980	9.090	<30	Pass
		B	-0.840	6.980	9.150	<30	Pass
157	5785	A	-1.090	6.980	8.900	<30	Pass
		B	-0.910	6.980	9.080	<30	Pass
165	5825	A	-0.820	6.980	9.170	<30	Pass
		B	-0.390	6.980	9.600	<30	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

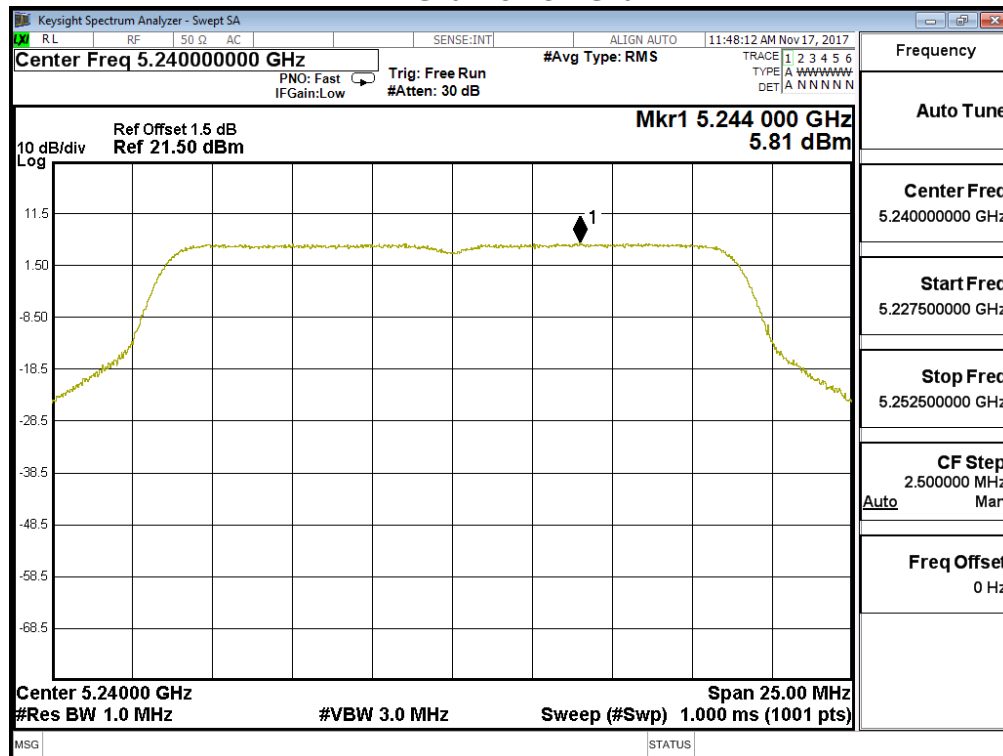
Channel 36 – Chain A



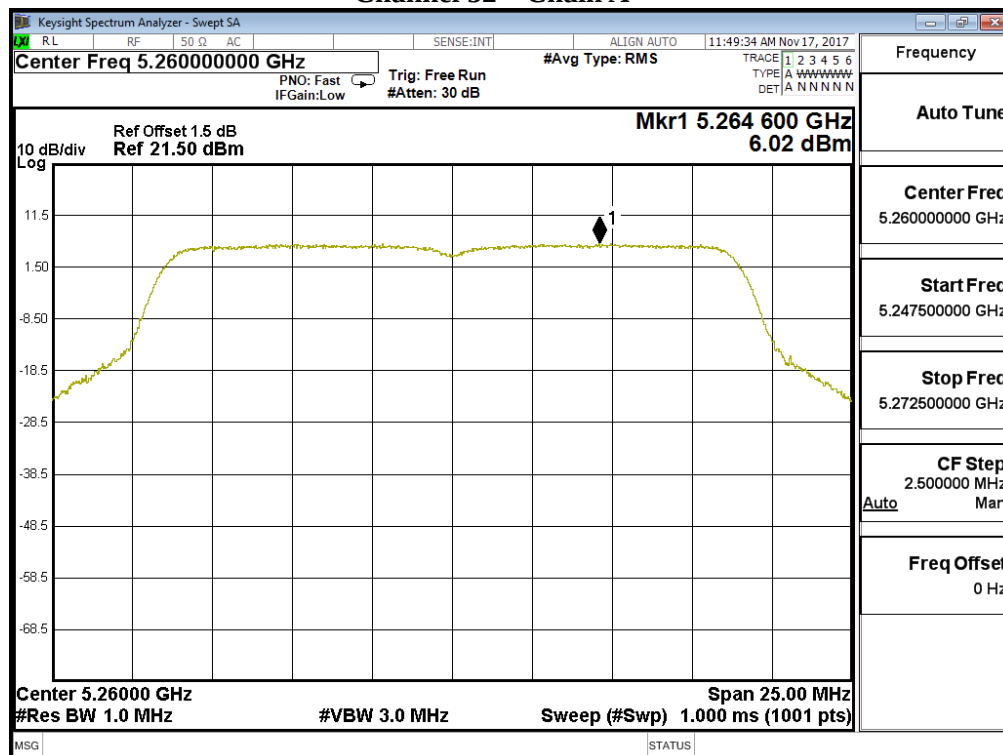
Channel 44 – Chain A



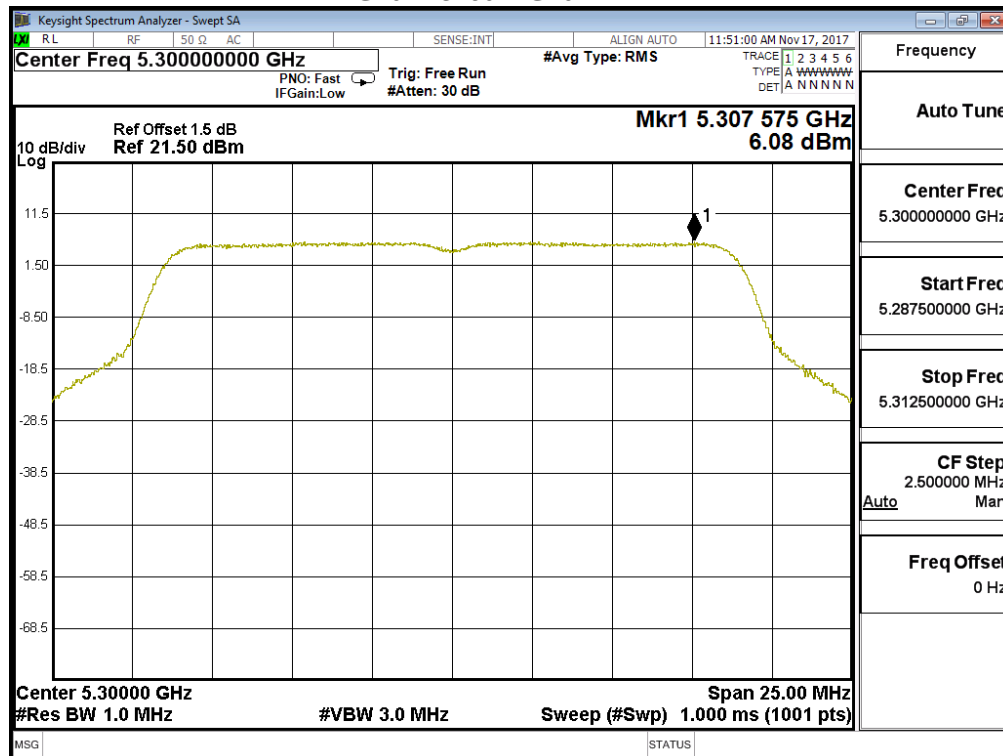
Channel 48 – Chain A



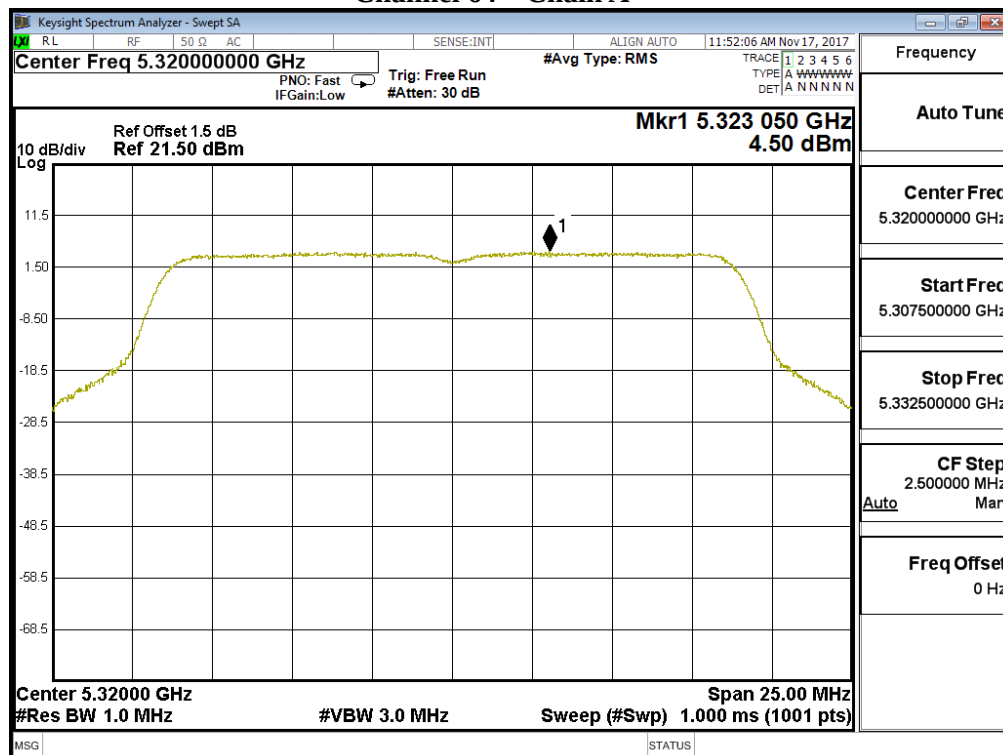
Channel 52 – Chain A



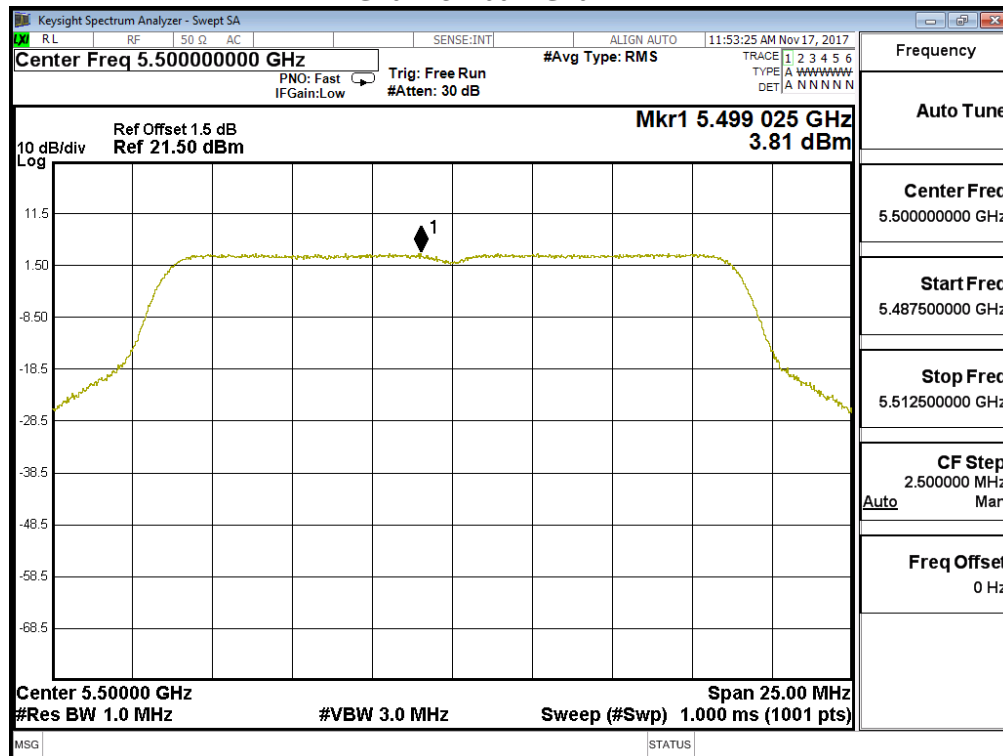
Channel 60 – Chain A



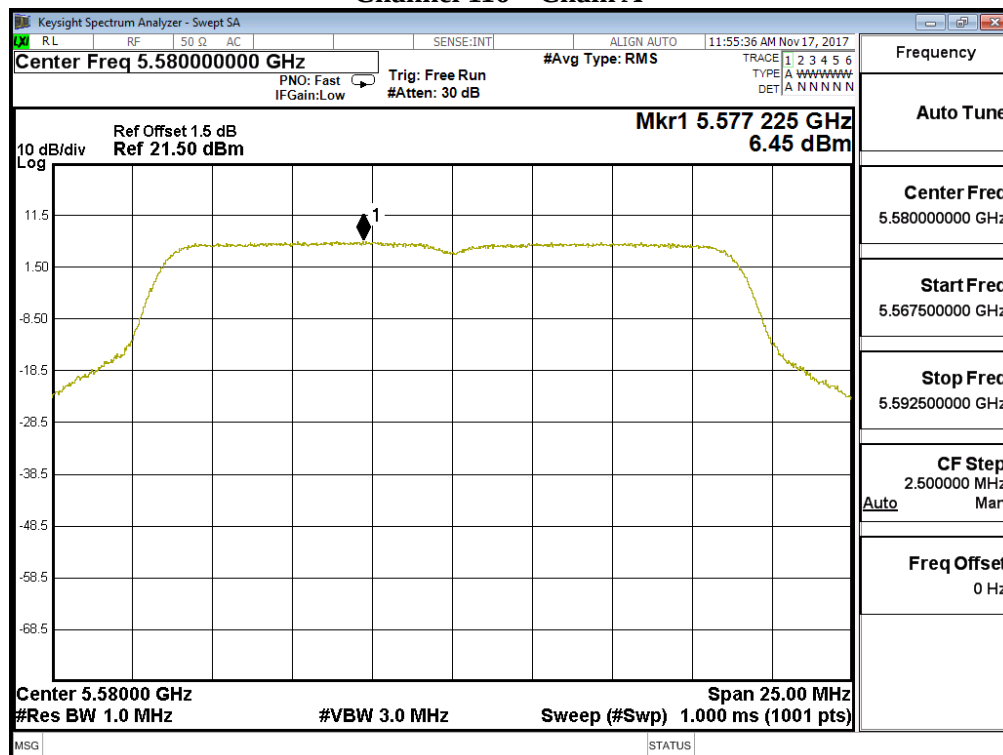
Channel 64 – Chain A



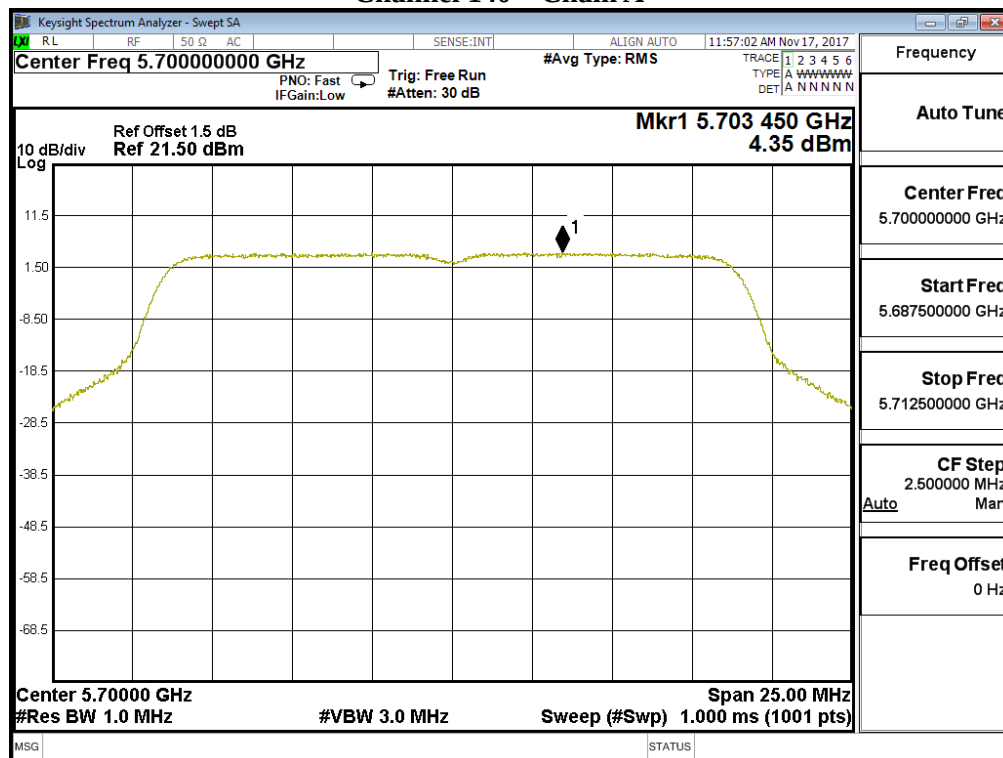
Channel 100 – Chain A



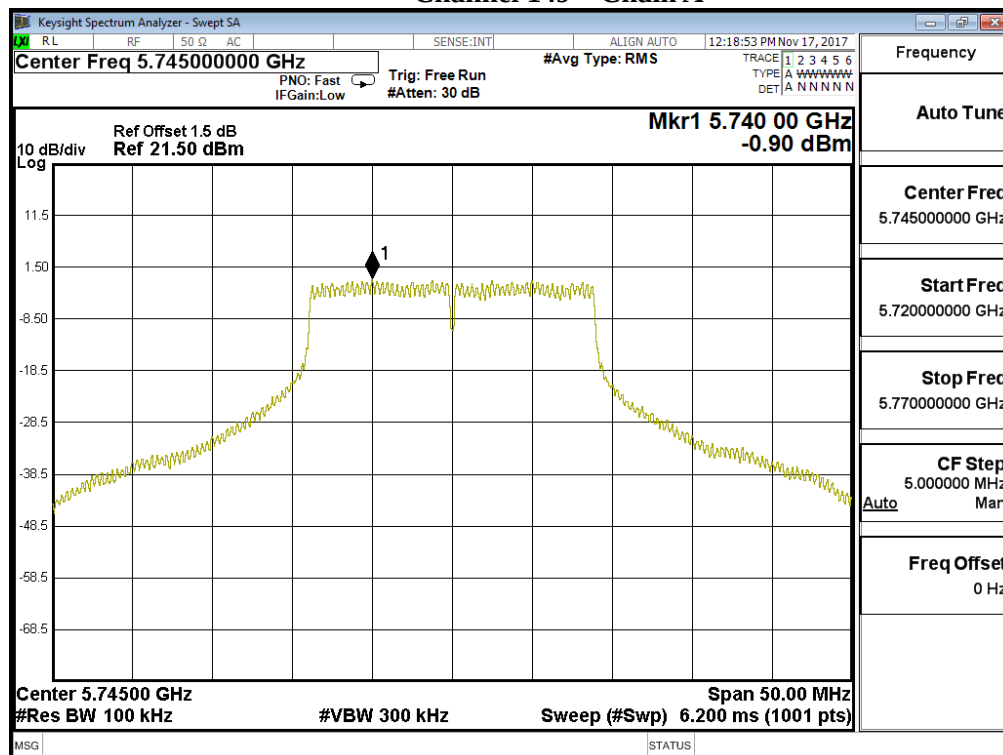
Channel 116 – Chain A



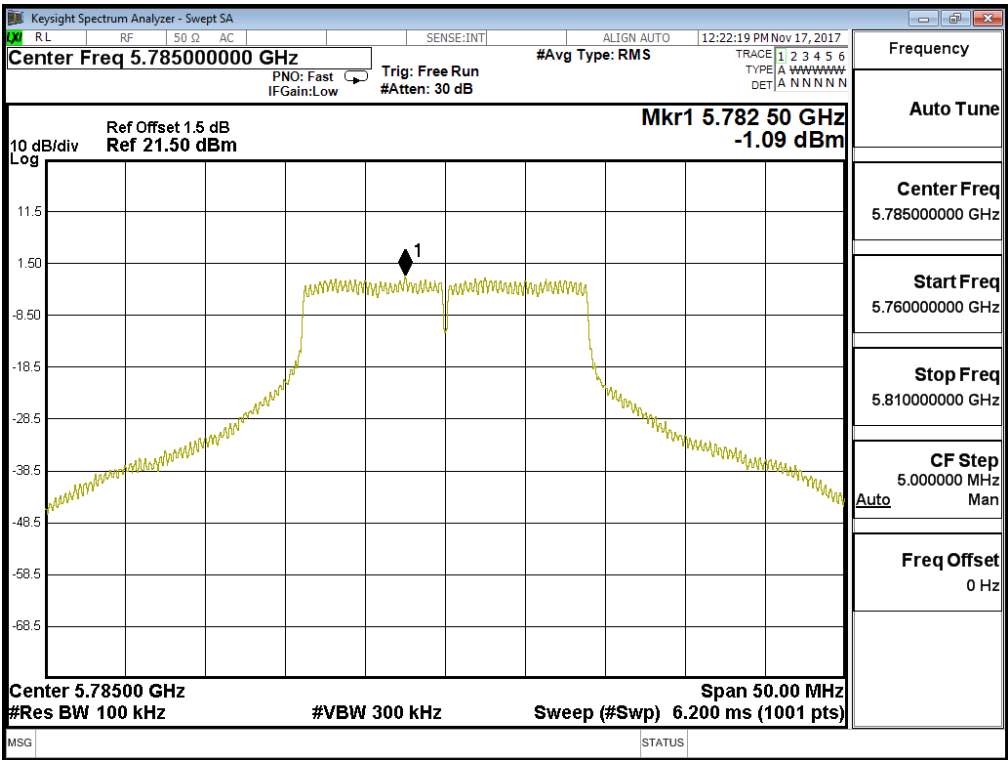
Channel 140 – Chain A



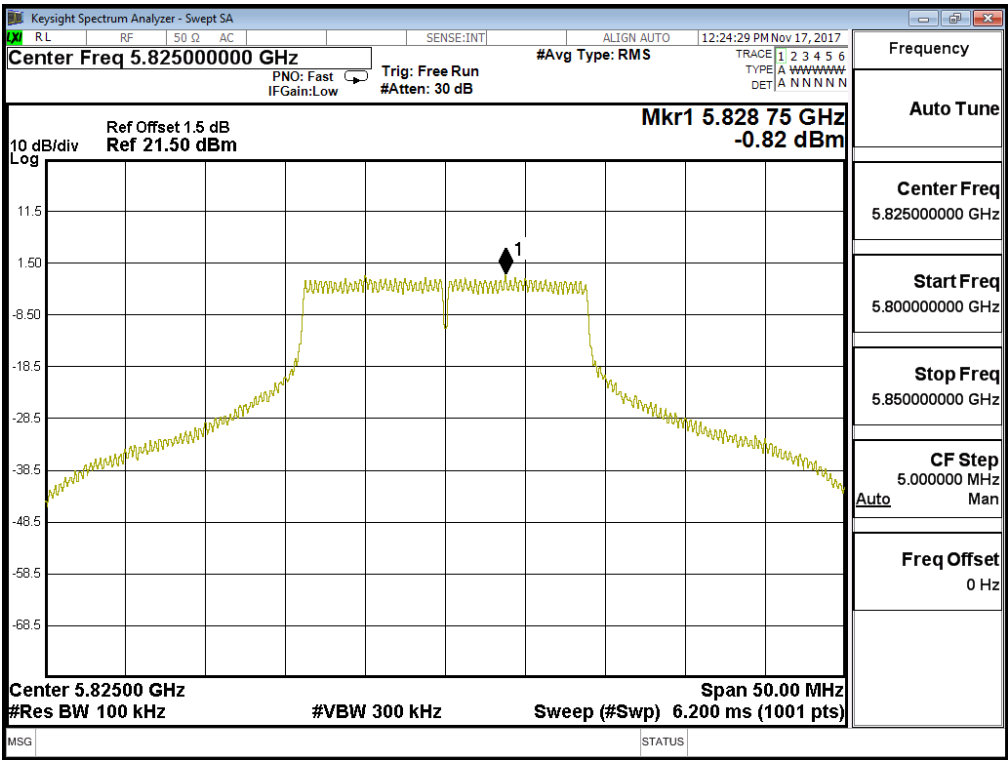
Channel 149 – Chain A



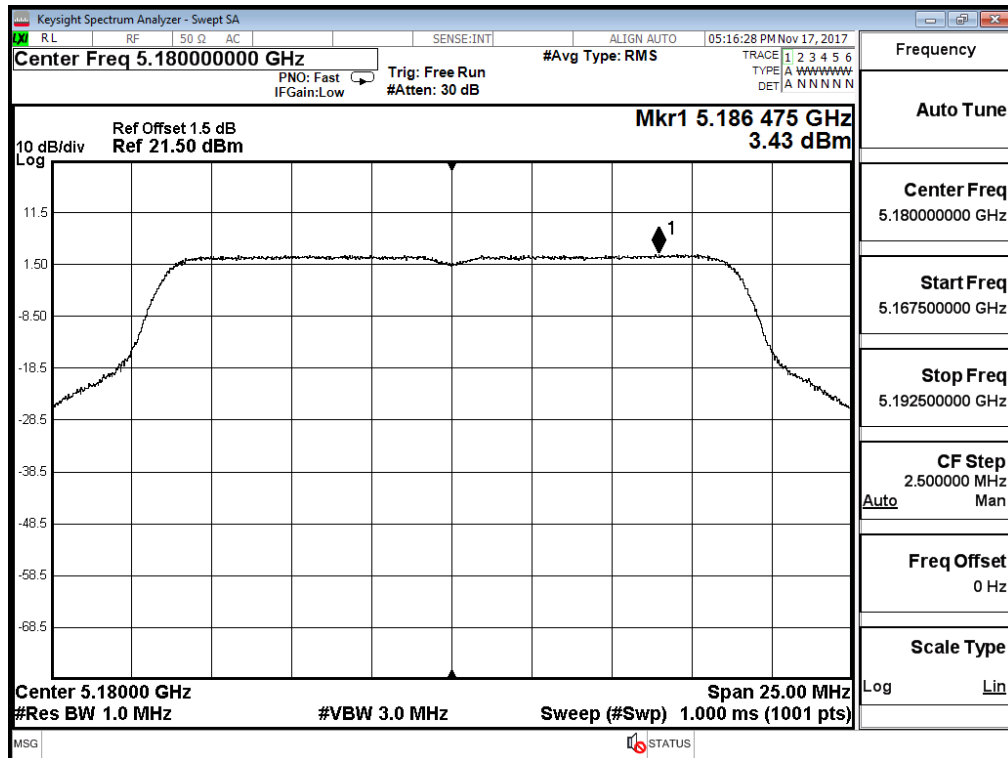
Channel 157 – Chain A



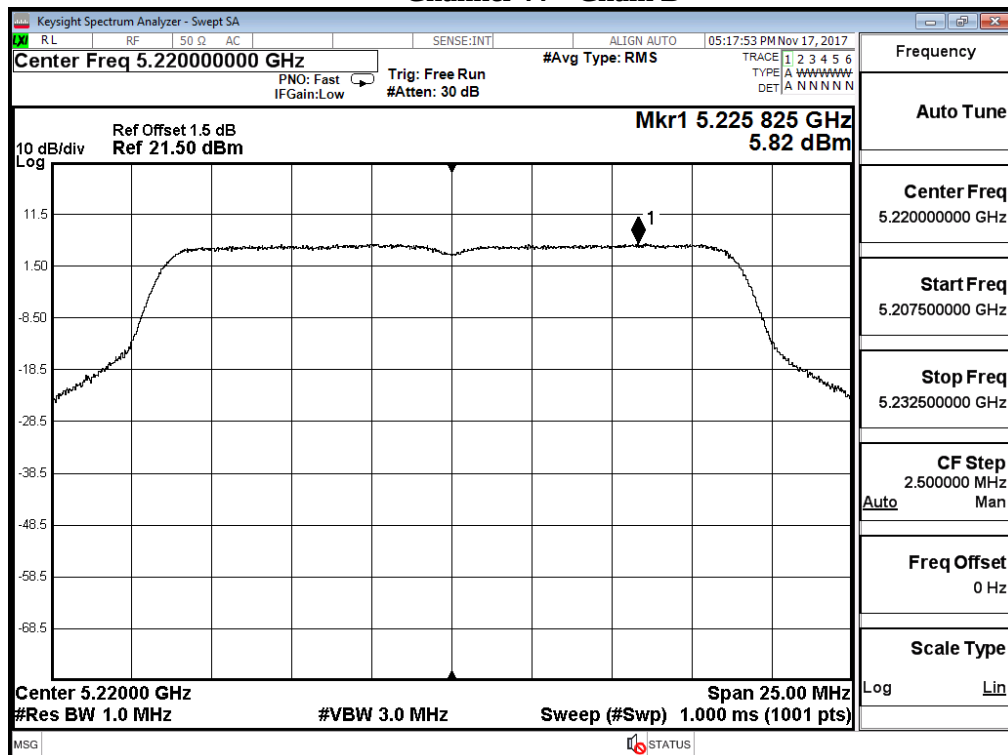
Channel 165 – Chain A



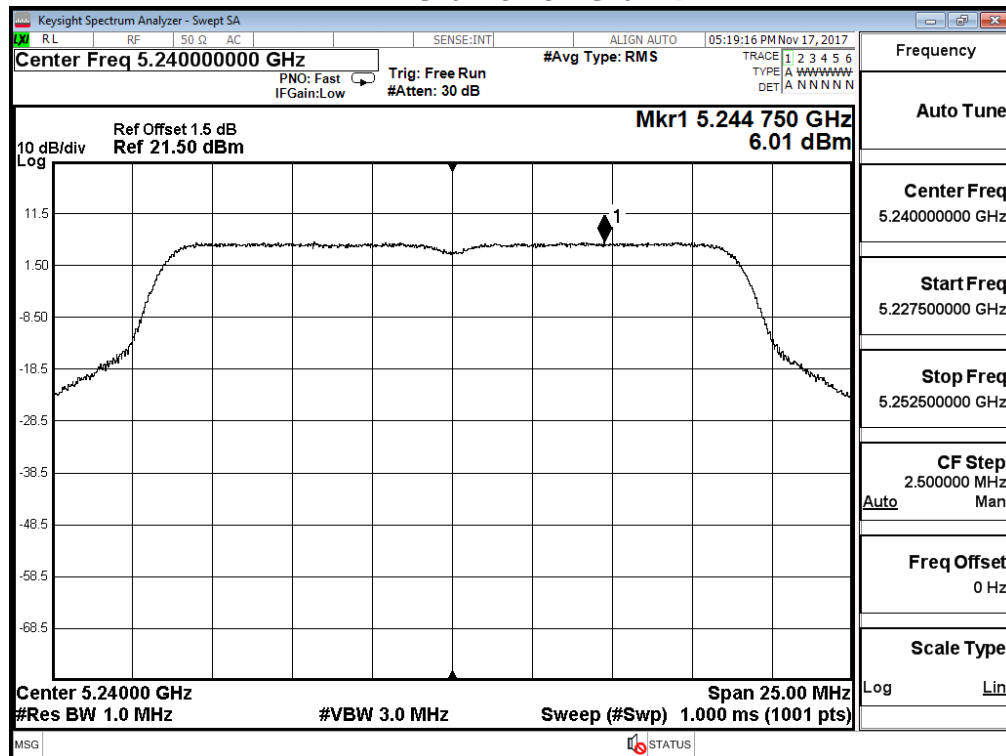
Channel 36 – Chain B



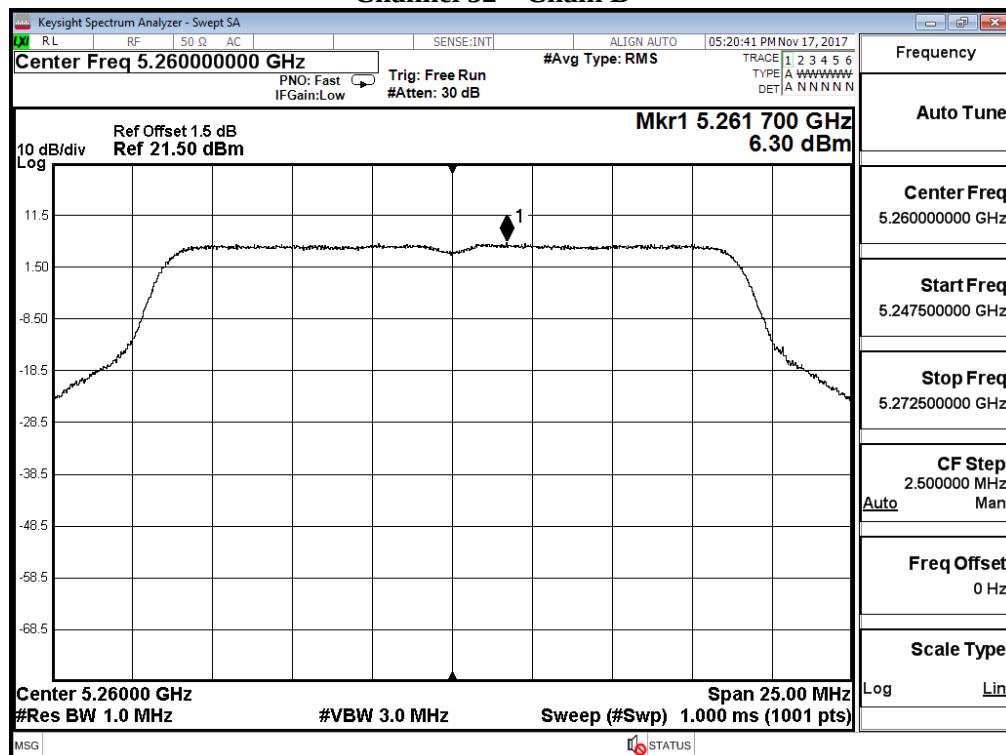
Channel 44 – Chain B



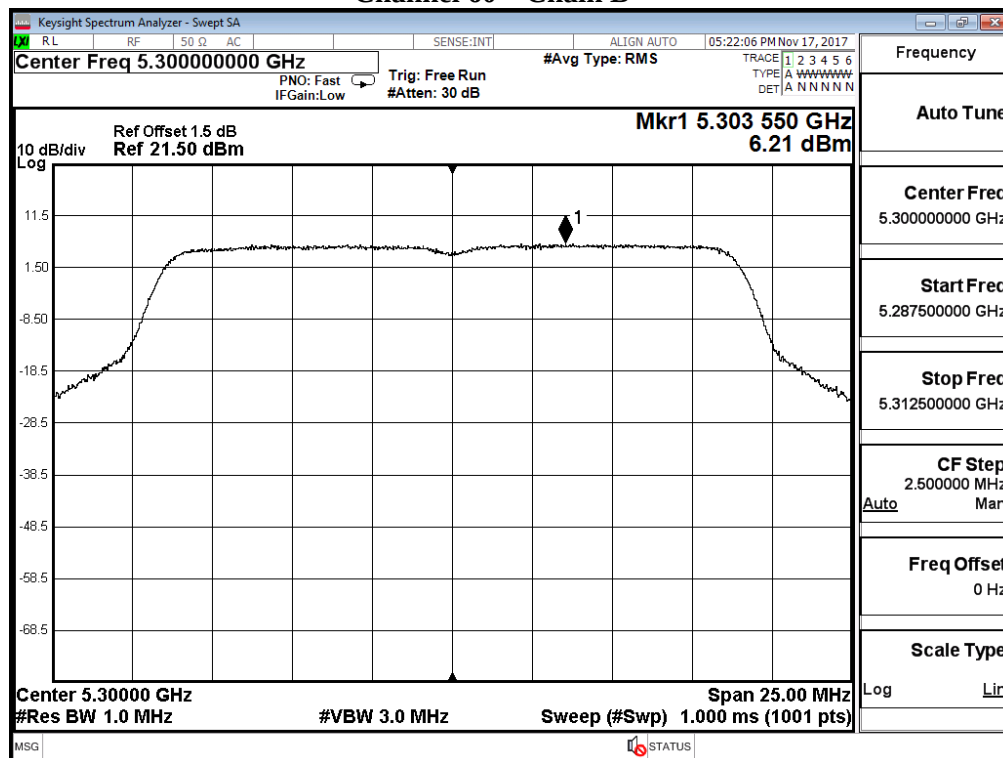
Channel 48 – Chain B



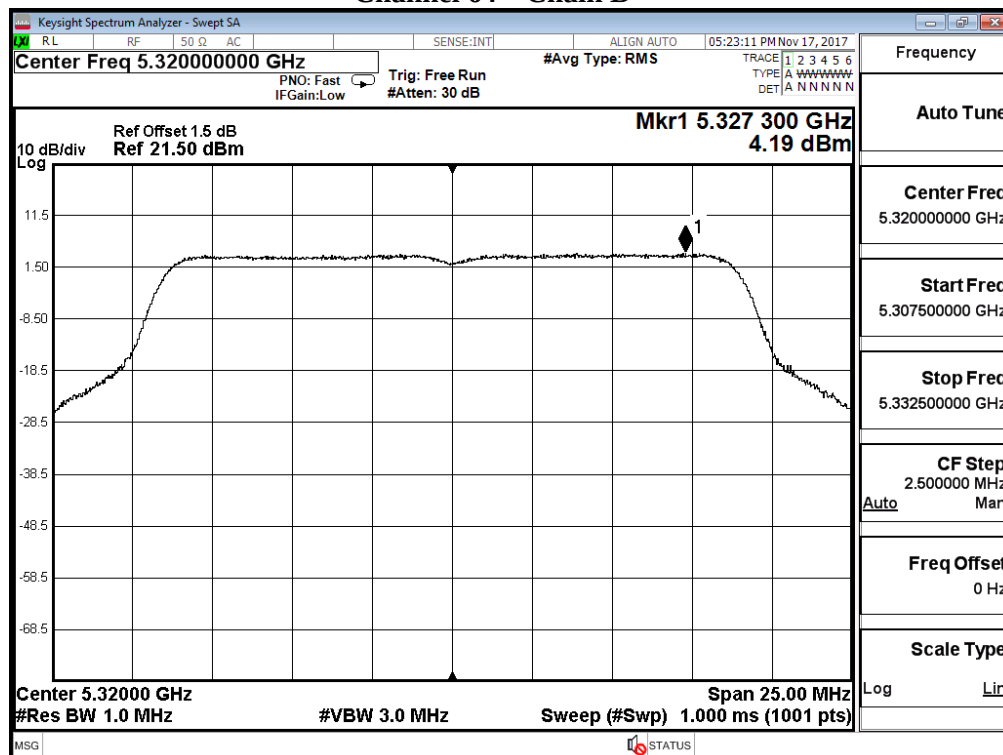
Channel 52 – Chain B



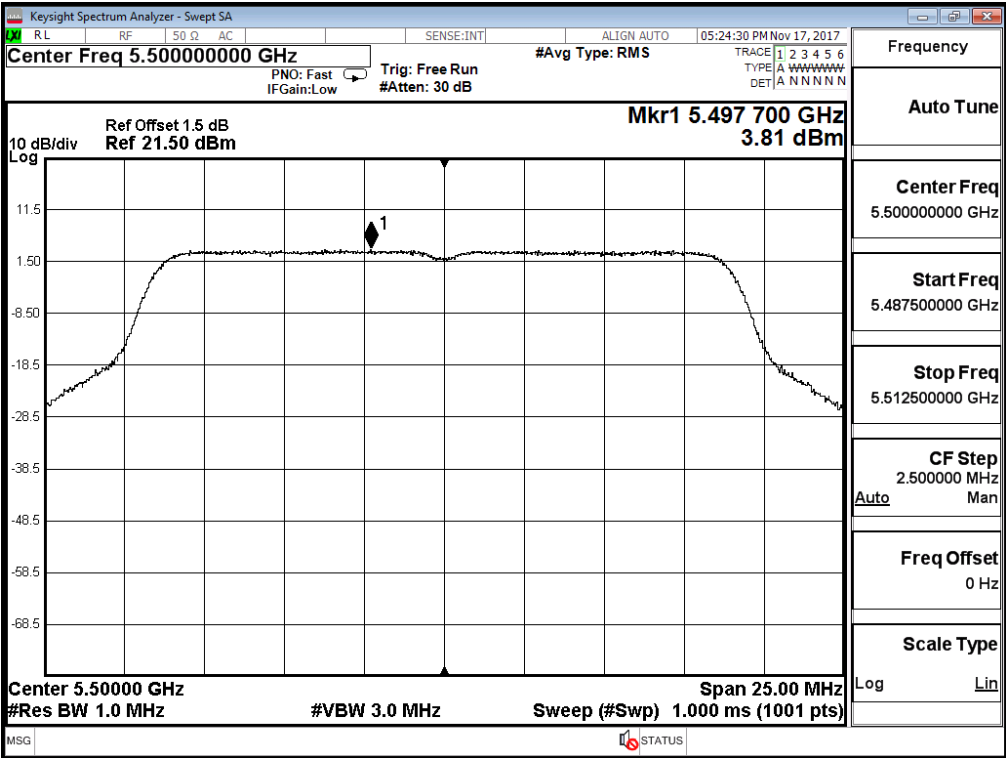
Channel 60 – Chain B



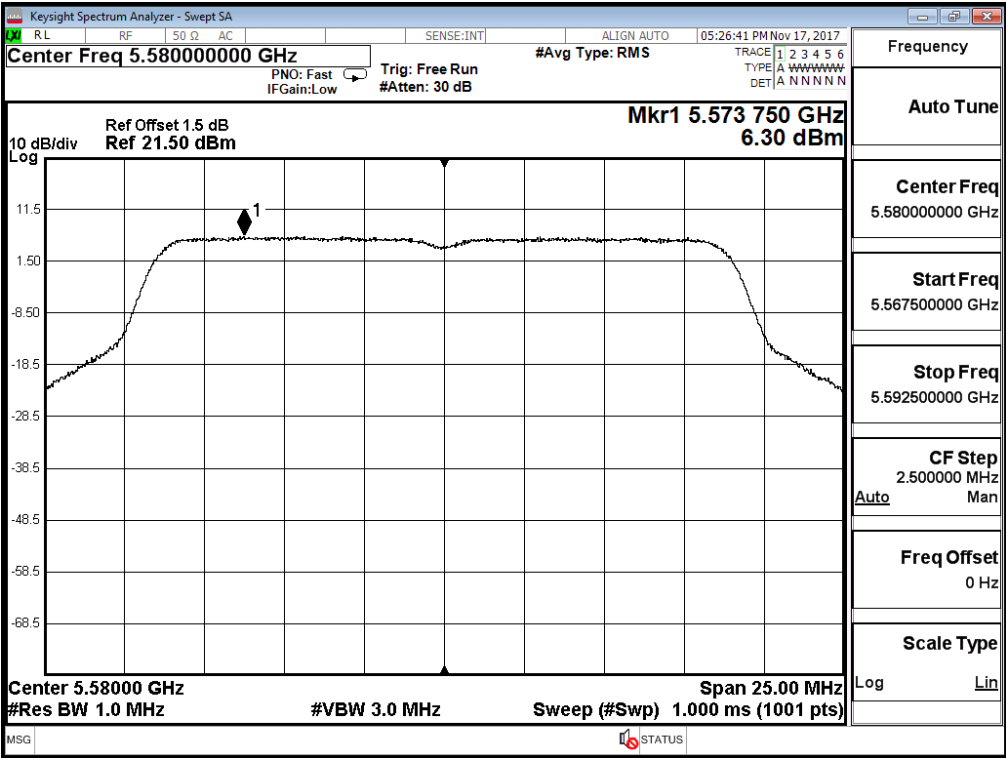
Channel 64 – Chain B



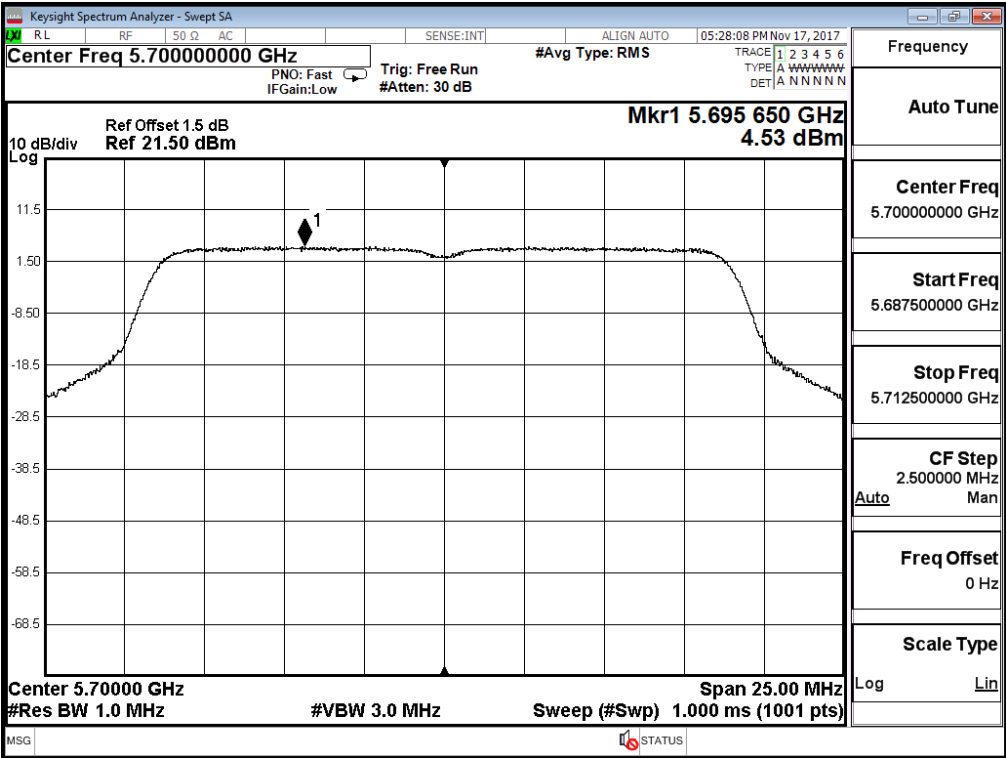
Channel 100 – Chain B



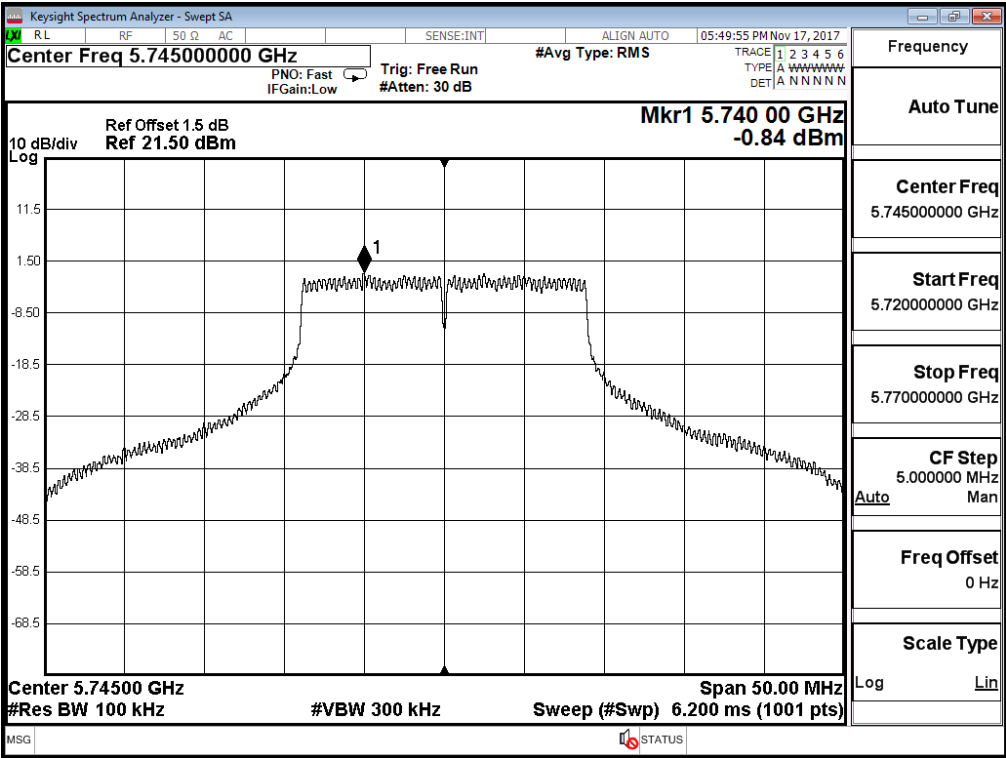
Channel 116 – Chain B



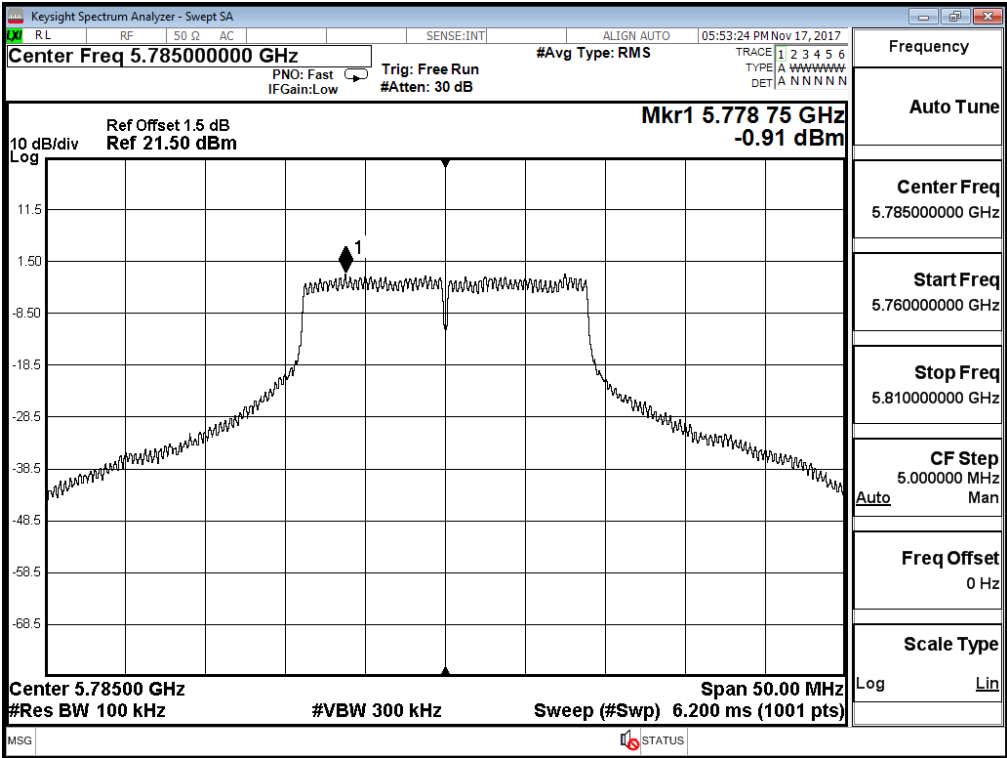
Channel 140 – Chain B



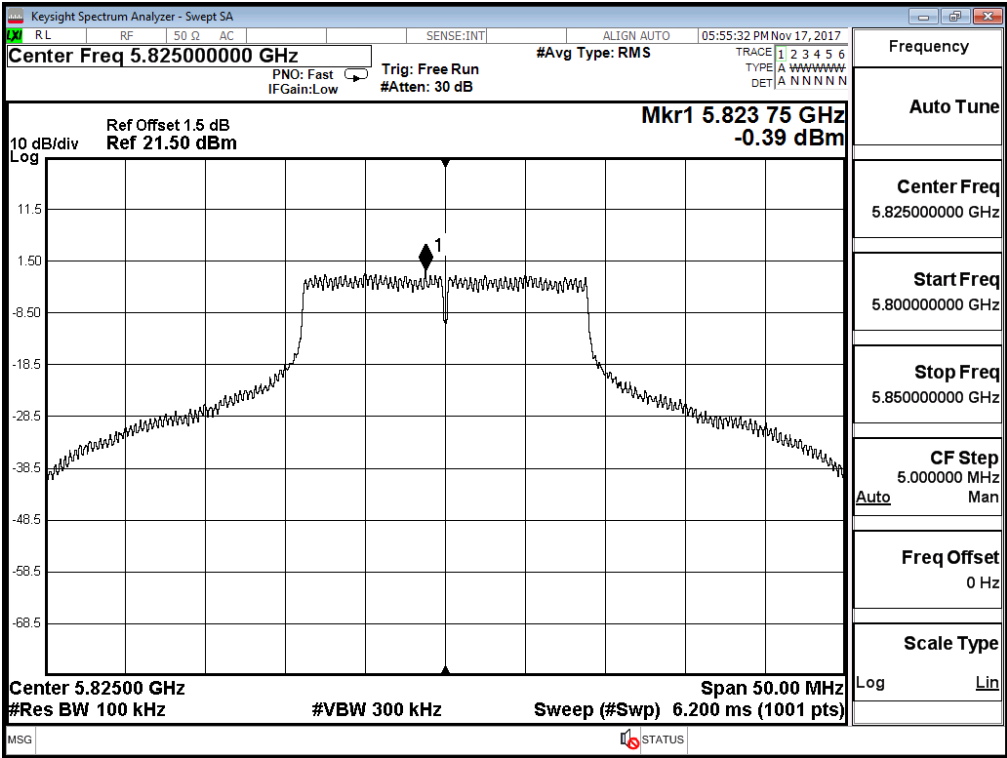
Channel 149 – Chain B



Channel 157 – Chain B



Channel 165 – Chain B



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 3: MIMO: 發射器 802.11n-40BW

視頻頻寬：1MHz

環境溫度：21 °C

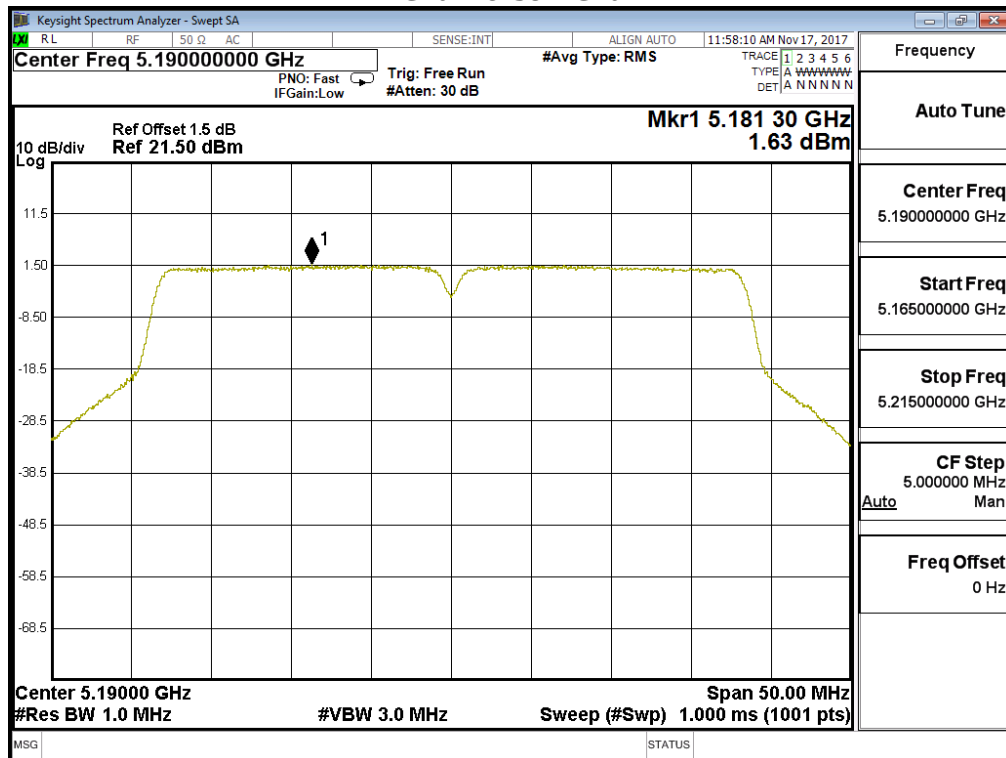
環境濕度：53 %

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PSD (dBm) ¹	Required Limit (dBm)	Result
38	5190	A	1.630	4.640	11	Pass
		B	1.010	4.020	11	Pass
46	5230	A	4.180	7.190	11	Pass
		B	4.040	7.050	11	Pass
54	5270	A	4.160	7.170	11	Pass
		B	4.100	7.110	11	Pass
62	5310	A	-1.030	1.980	11	Pass
		B	-1.210	1.800	11	Pass
102	5510	A	1.880	4.890	11	Pass
		B	1.610	4.620	11	Pass
110	5550	A	4.520	7.530	11	Pass
		B	4.130	7.140	11	Pass
134	5670	A	2.930	5.940	11	Pass
		B	2.800	5.810	11	Pass

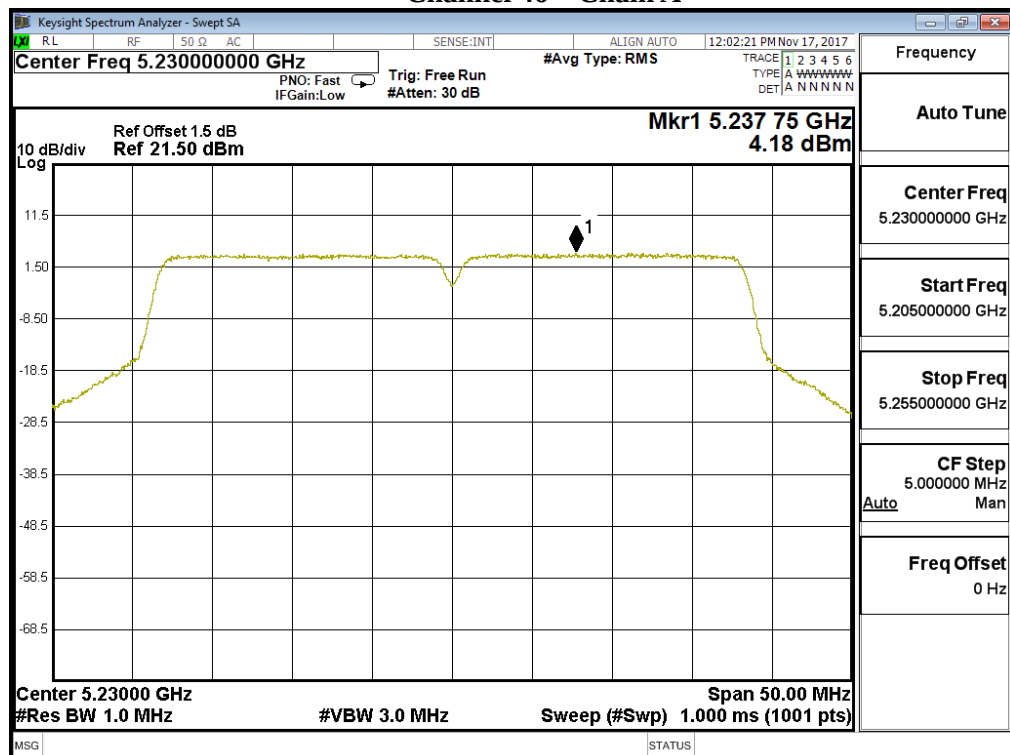
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PSD (dBm) ¹	Required Limit (dBm)	Result
151	5755	A	-3.440	6.980	6.550	<30	Pass
		B	-3.050	6.980	6.940	<30	Pass
159	5795	A	-4.040	6.980	5.950	<30	Pass
		B	-3.380	6.980	6.610	<30	Pass

Note 1: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

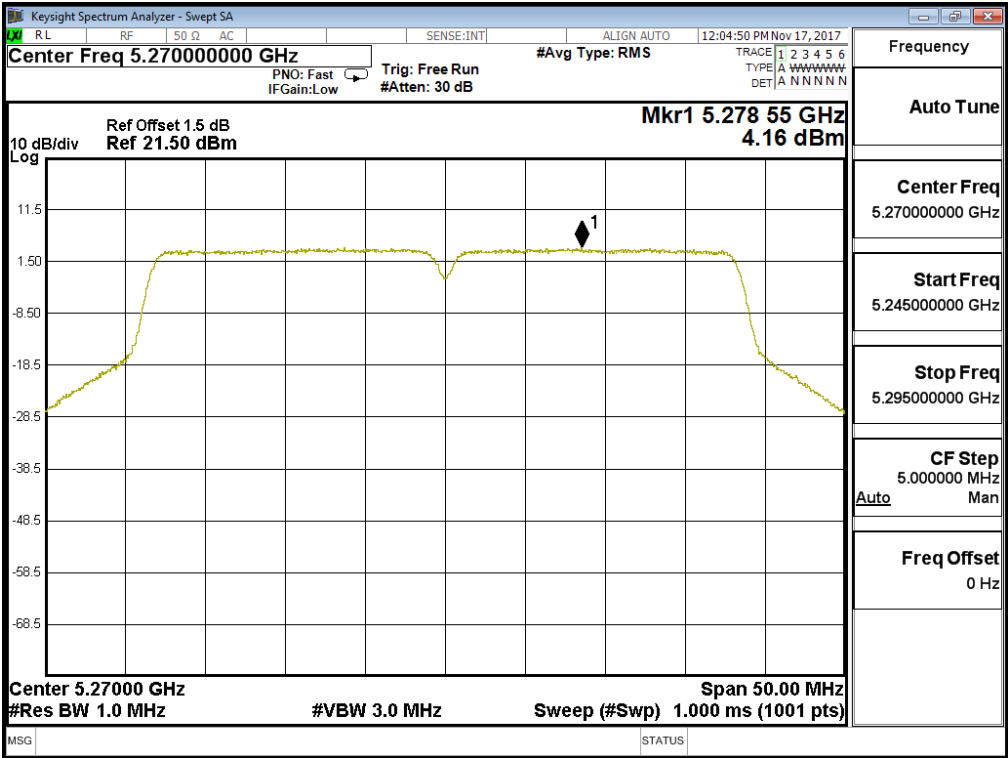
Channel 38 – Chain A



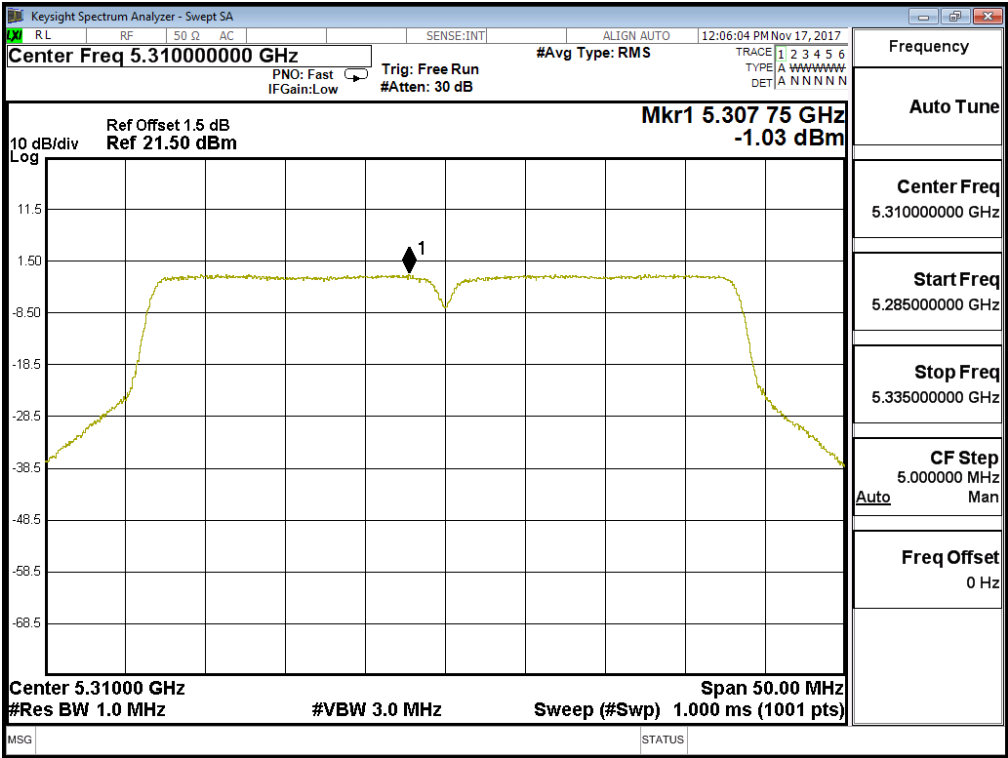
Channel 46 – Chain A



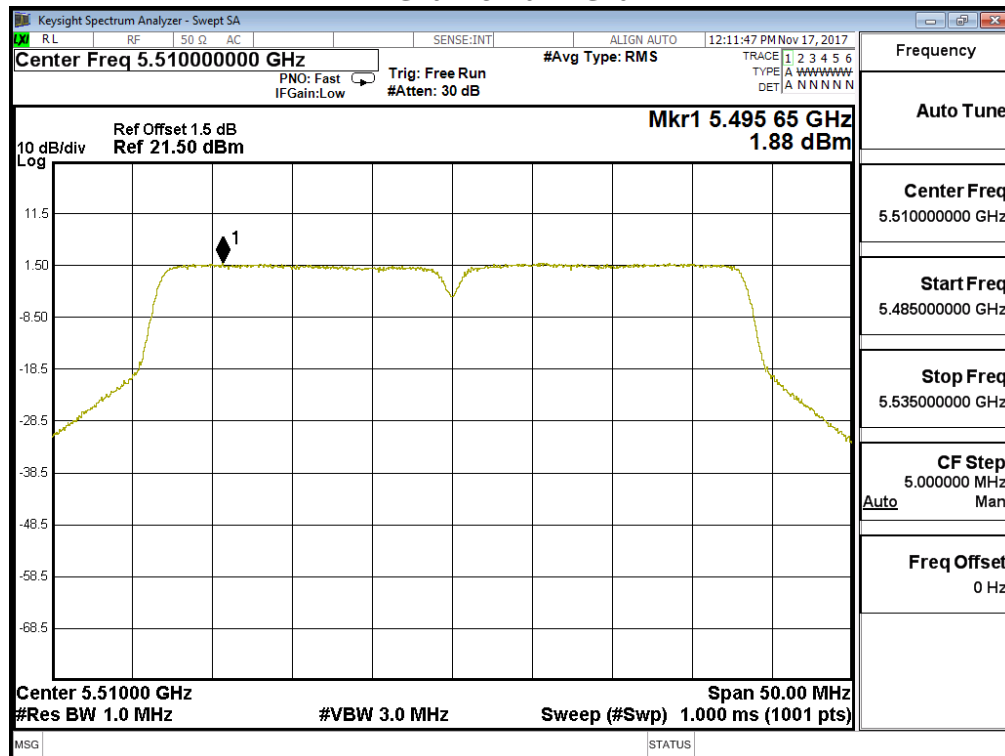
Channel 54 – Chain A



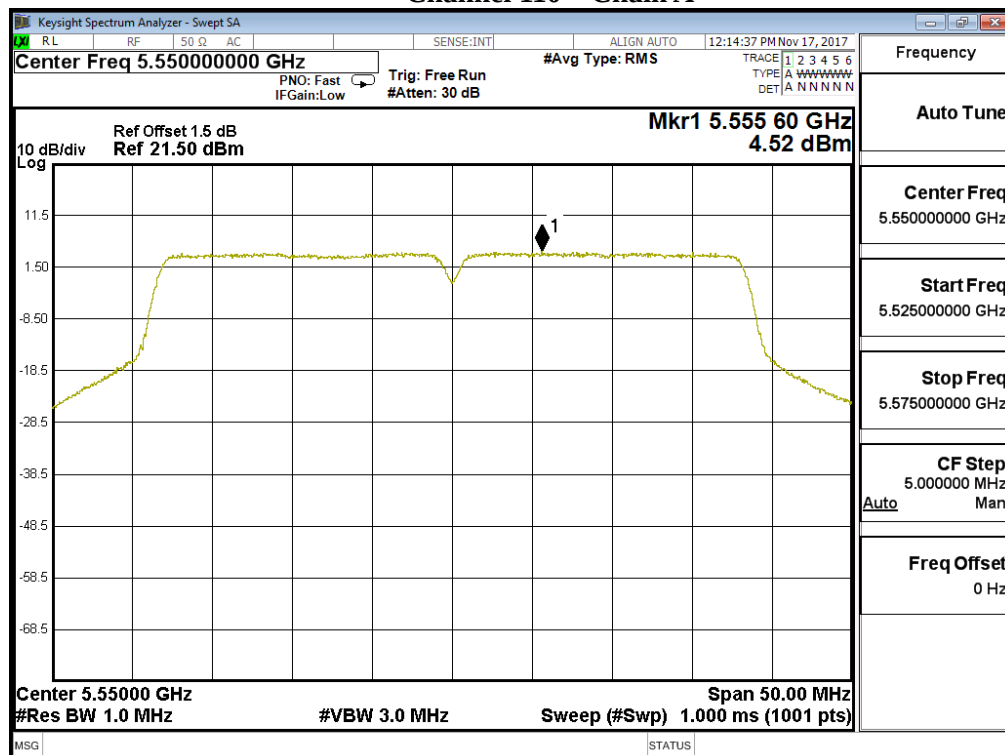
Channel 62 – Chain A



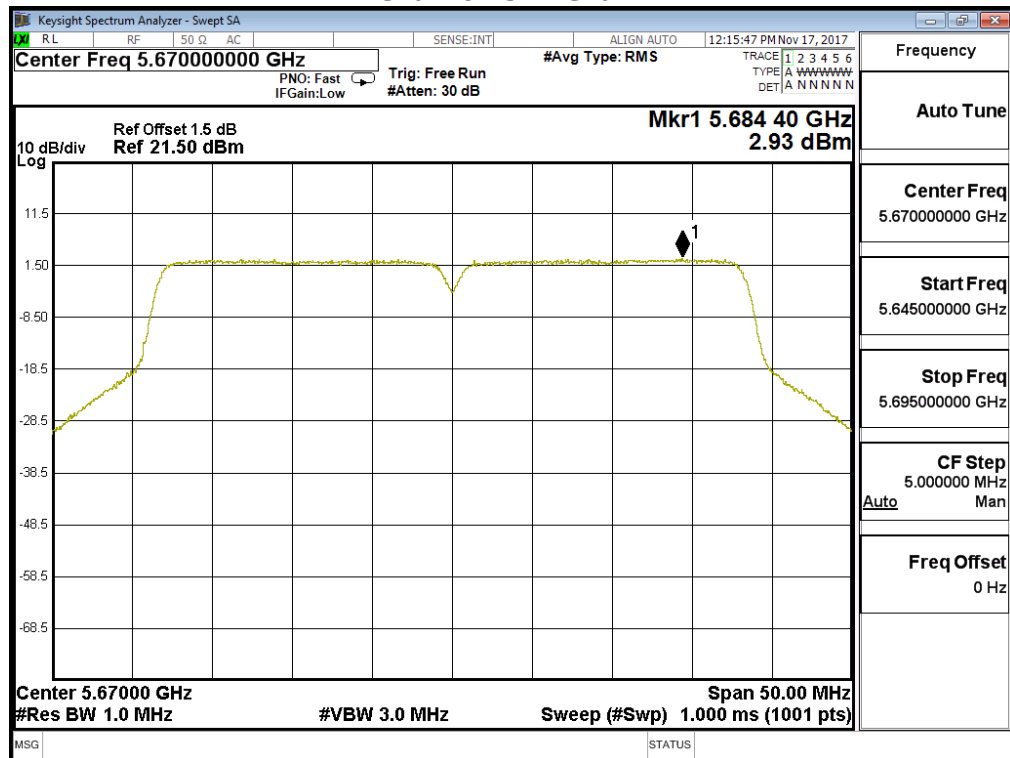
Channel 102 – Chain A



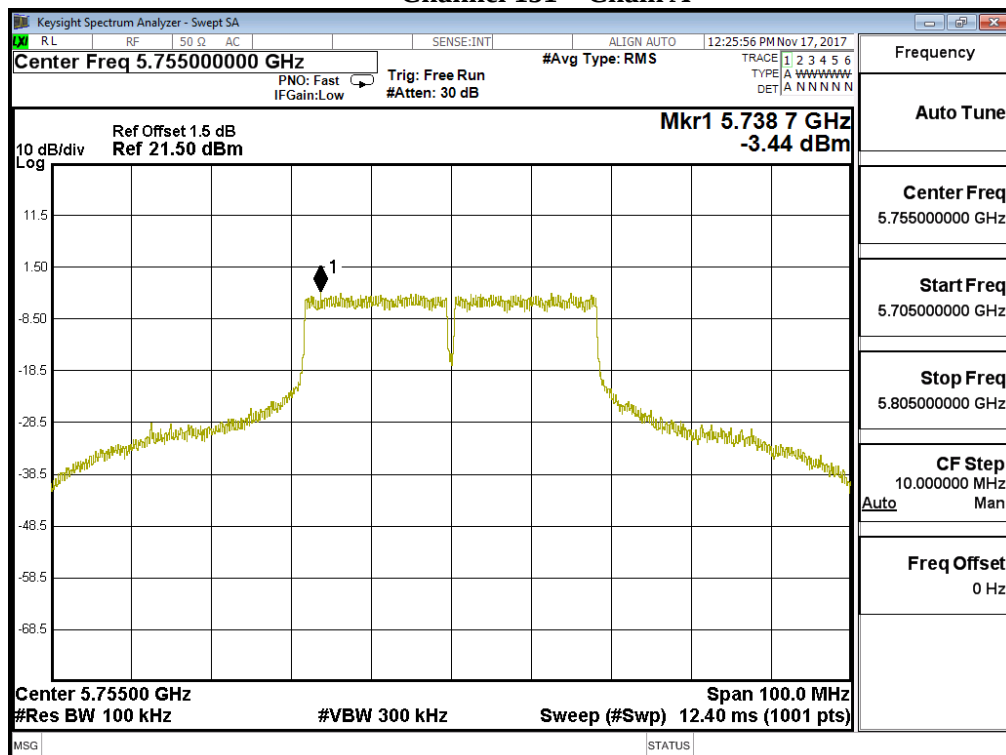
Channel 110 – Chain A



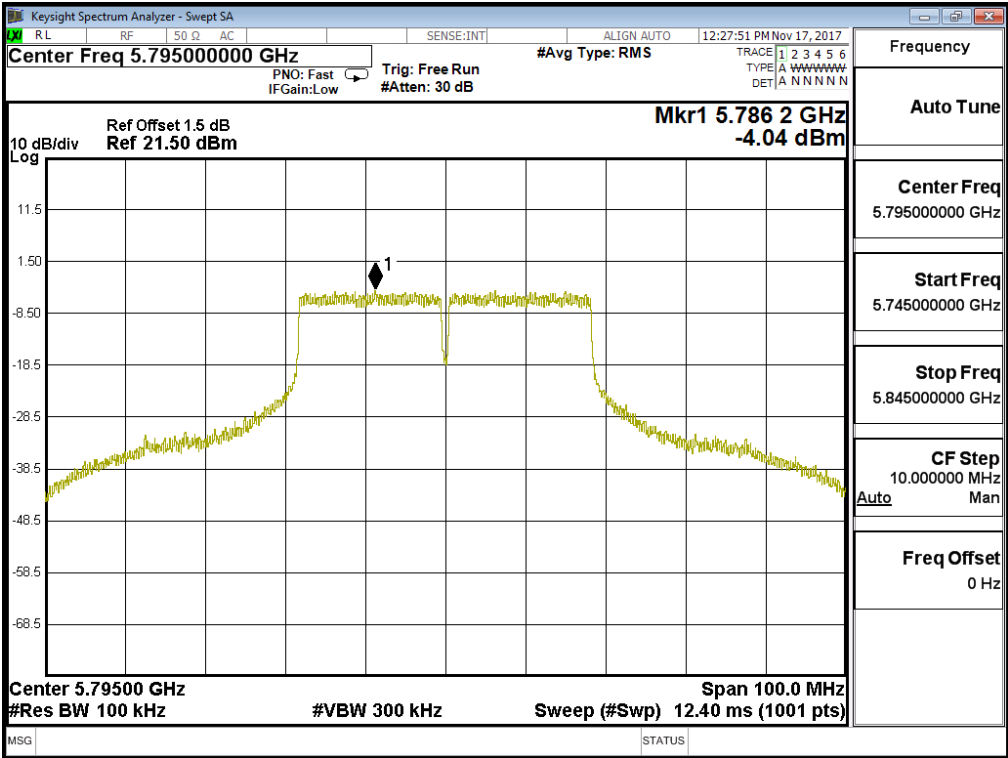
Channel 134 – Chain A



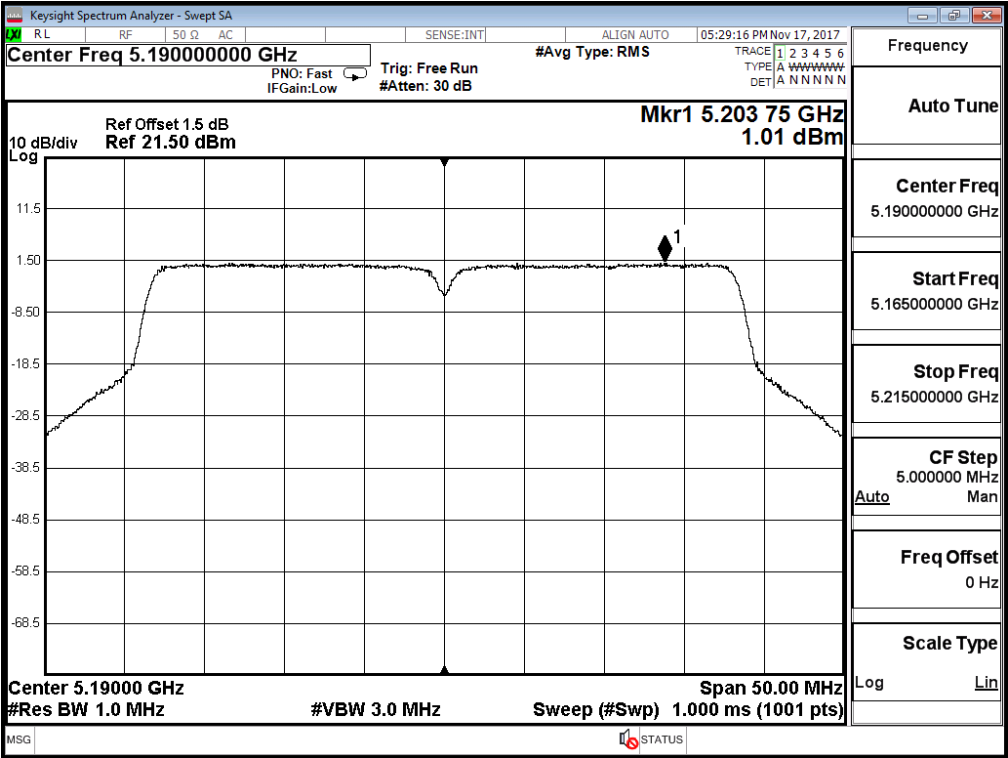
Channel 151 – Chain A



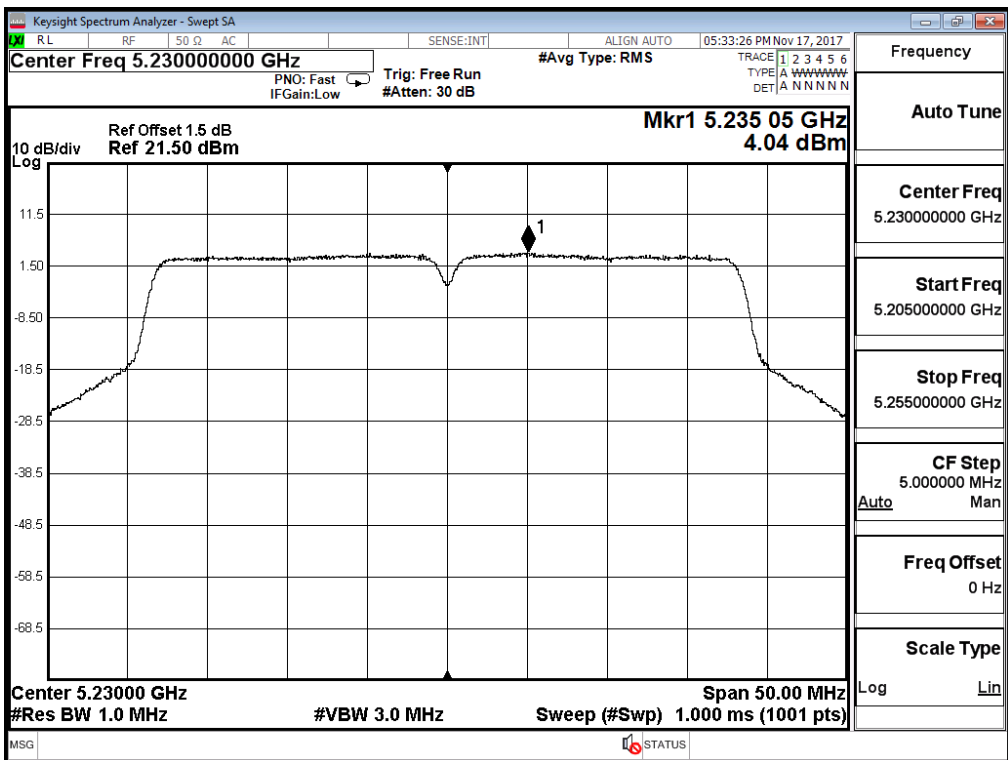
Channel 159 – Chain A



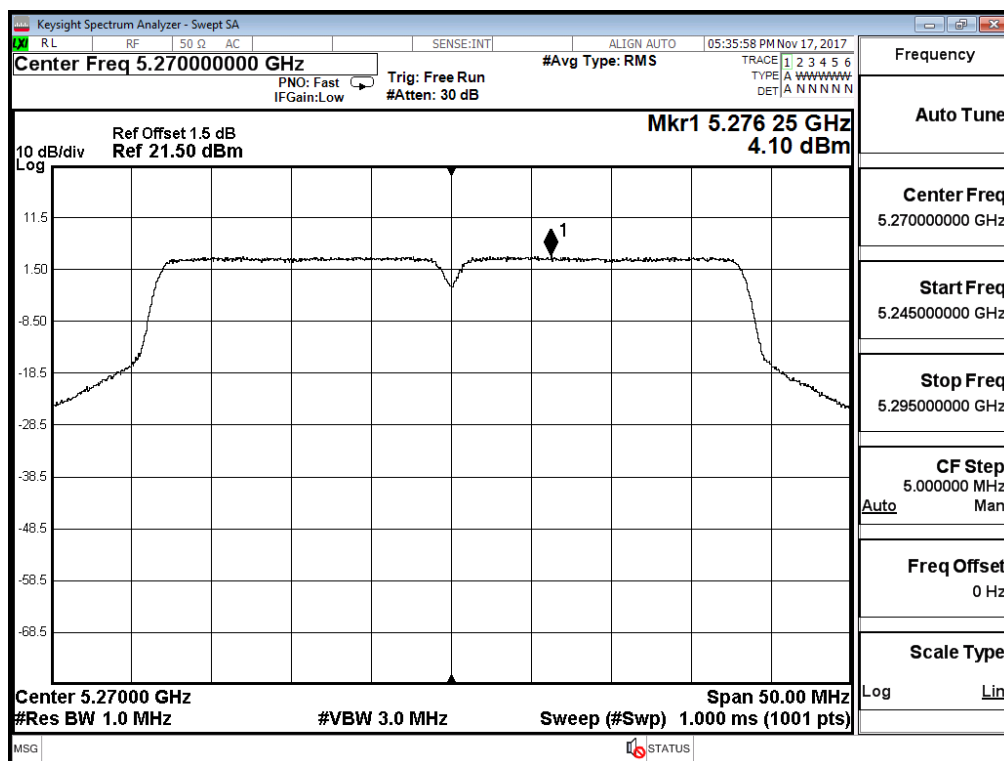
Channel 38 – Chain B



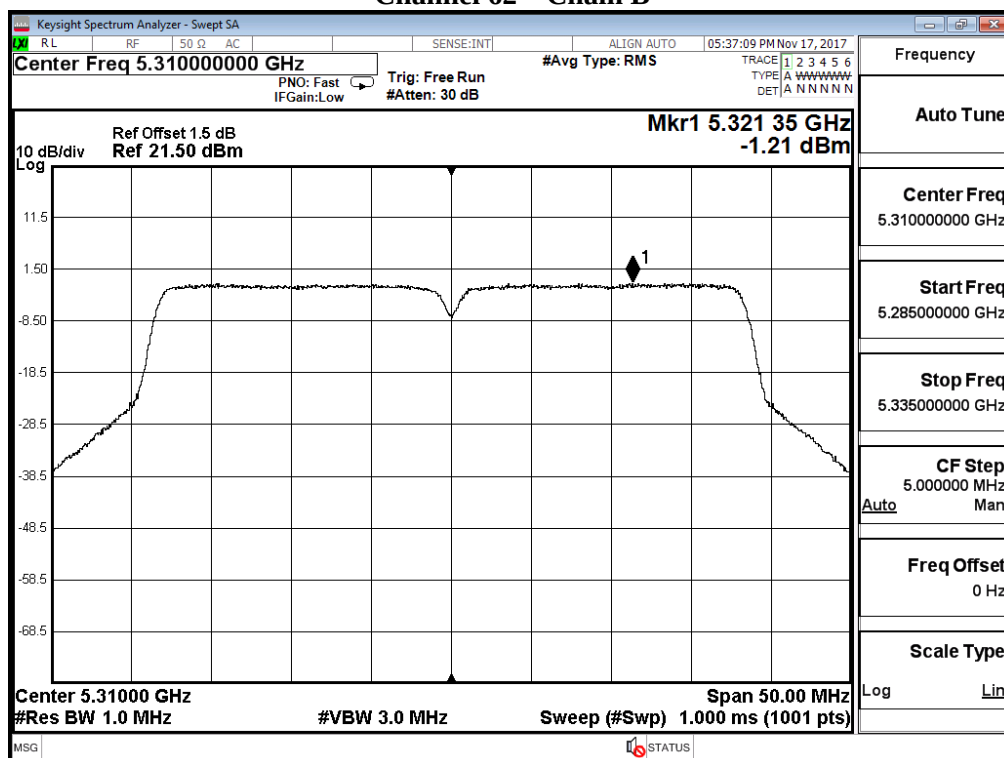
Channel 46 – Chain B



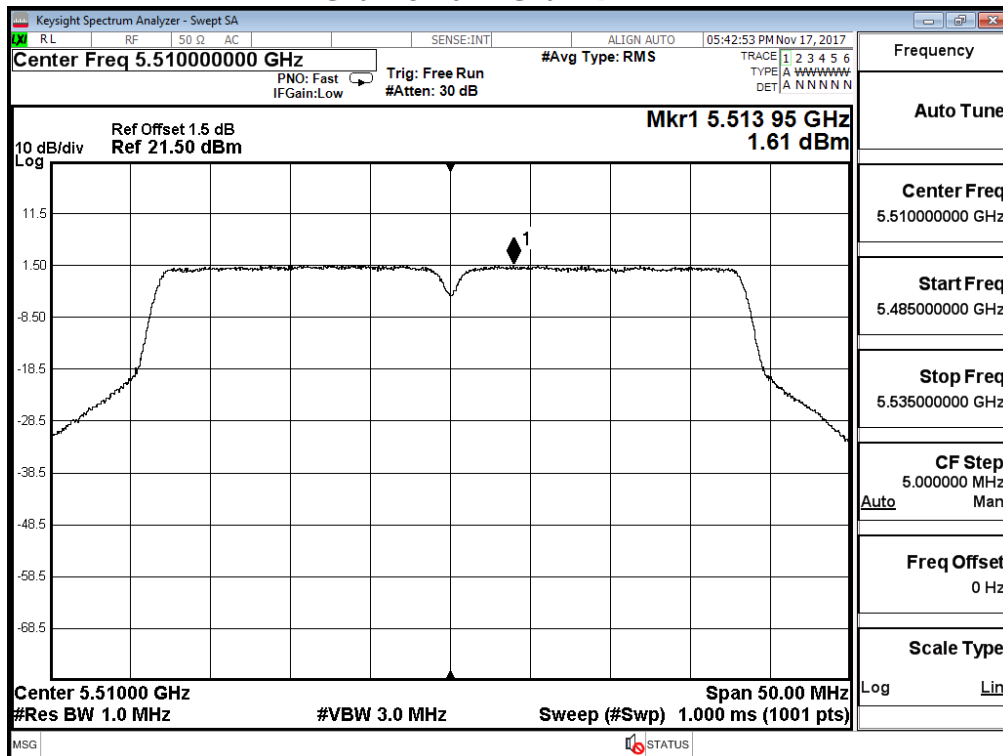
Channel 54 – Chain B



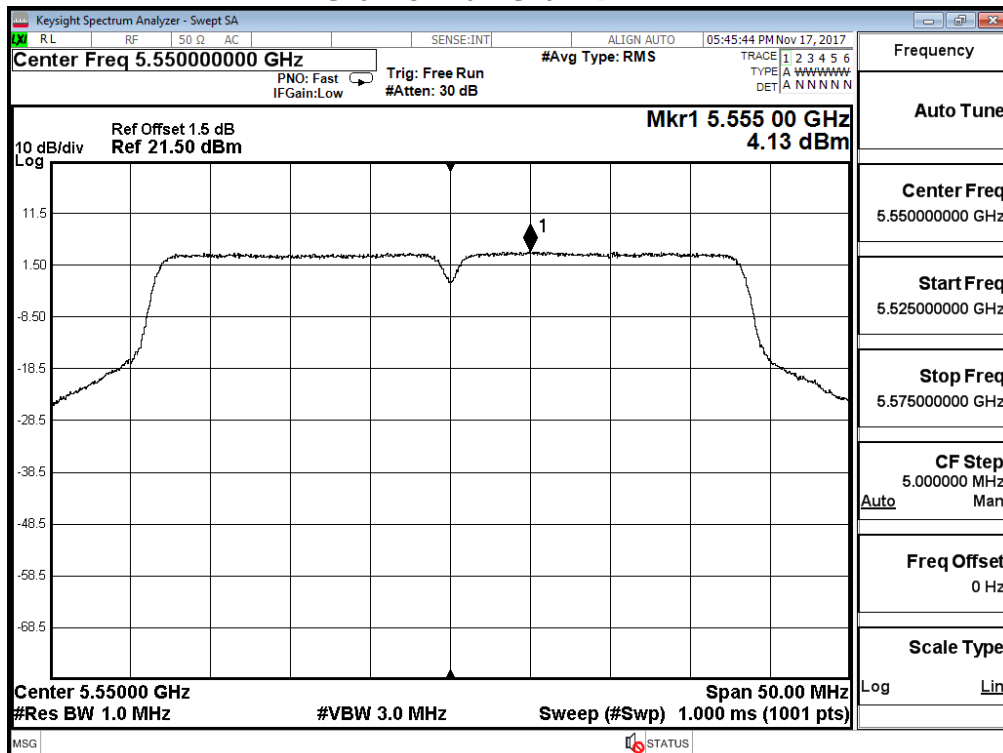
Channel 62 – Chain B



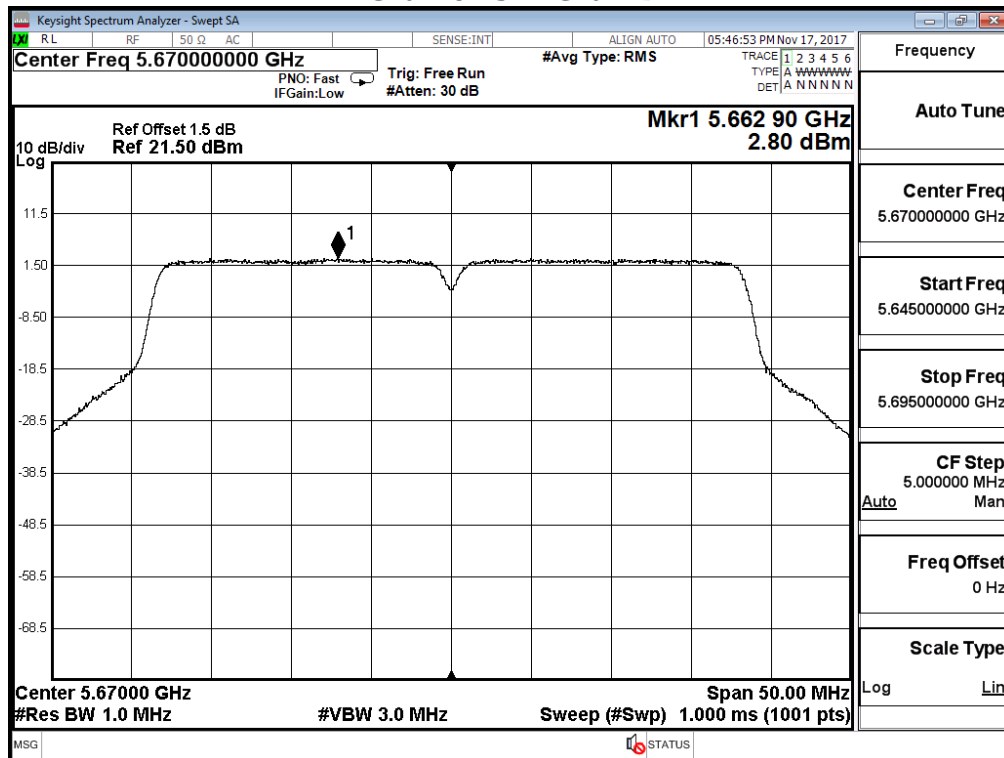
Channel 102 – Chain B



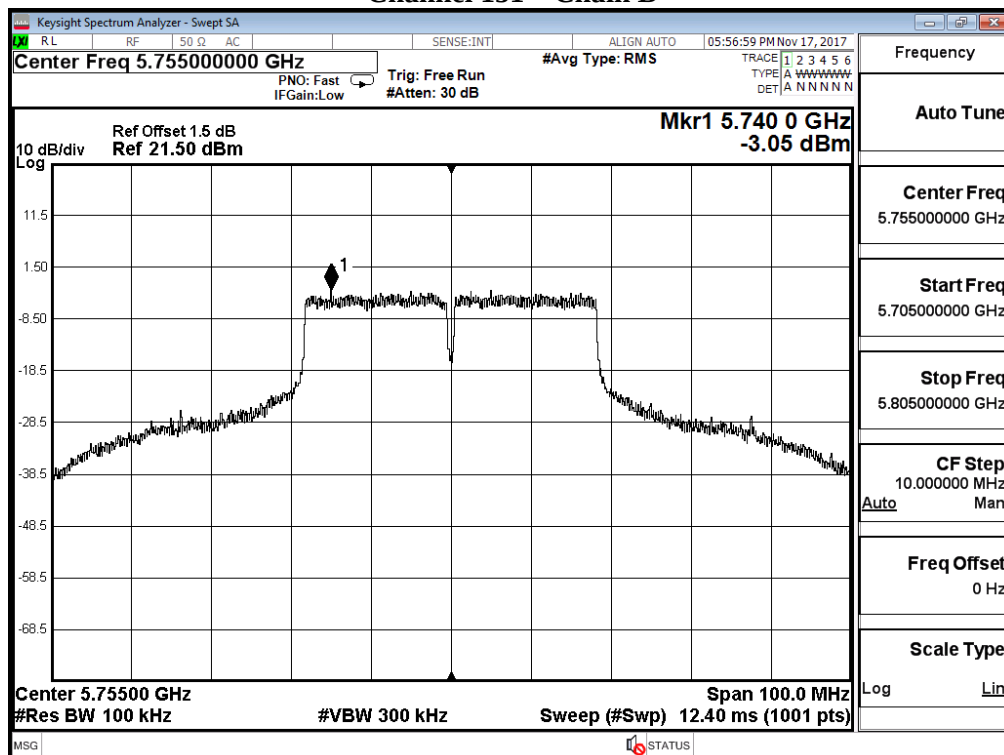
Channel 110 – Chain B



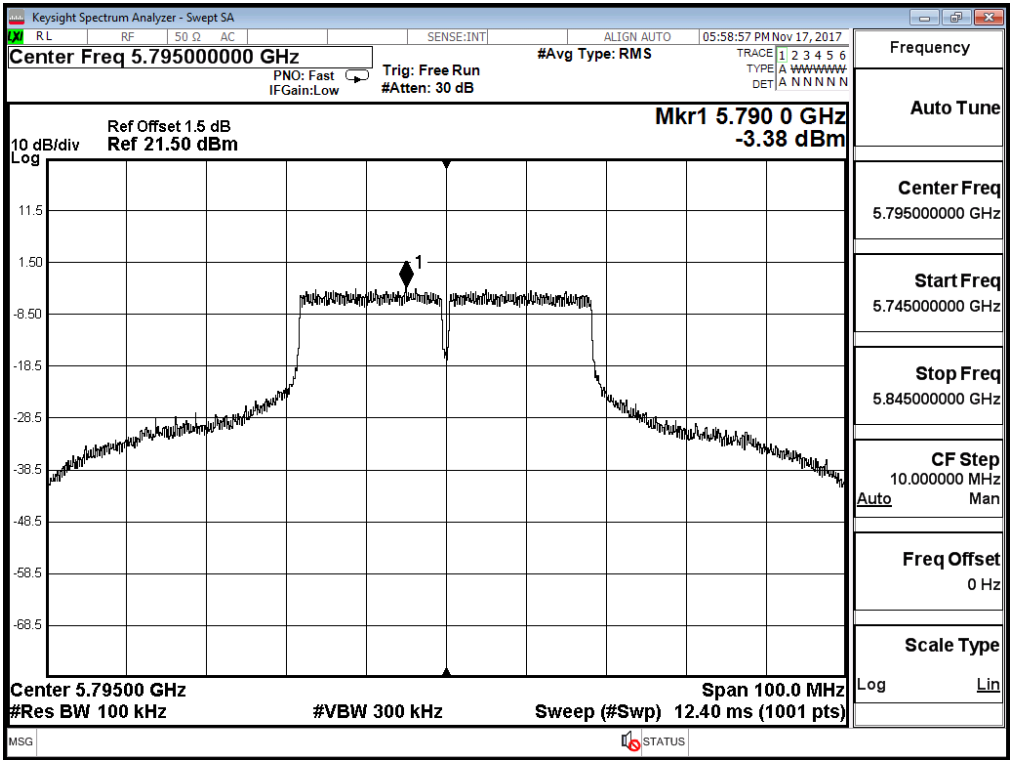
Channel 134 – Chain B



Channel 151 – Chain B



Channel 159 – Chain B



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560D2W

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 11 月 17 日

測試項目：峰值功率頻譜密度

測試模式：Mode 3: MIMO: 發射器 802.11ac-20BW

視頻頻寬：3MHz

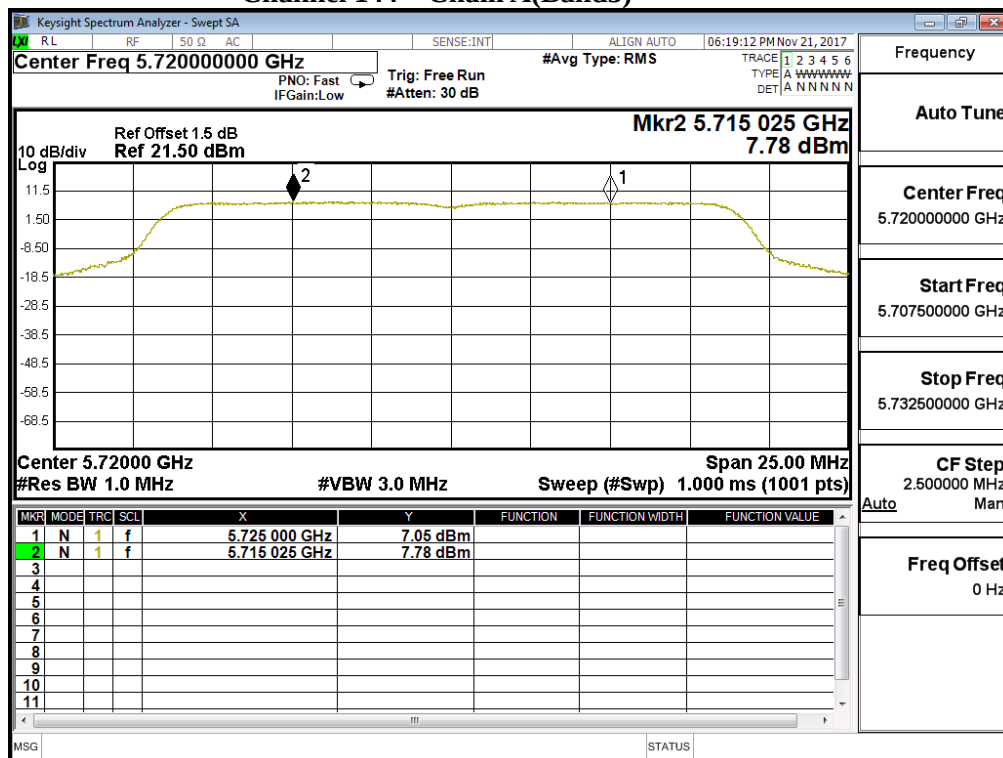
環境溫度：21 °C

環境濕度：53 %

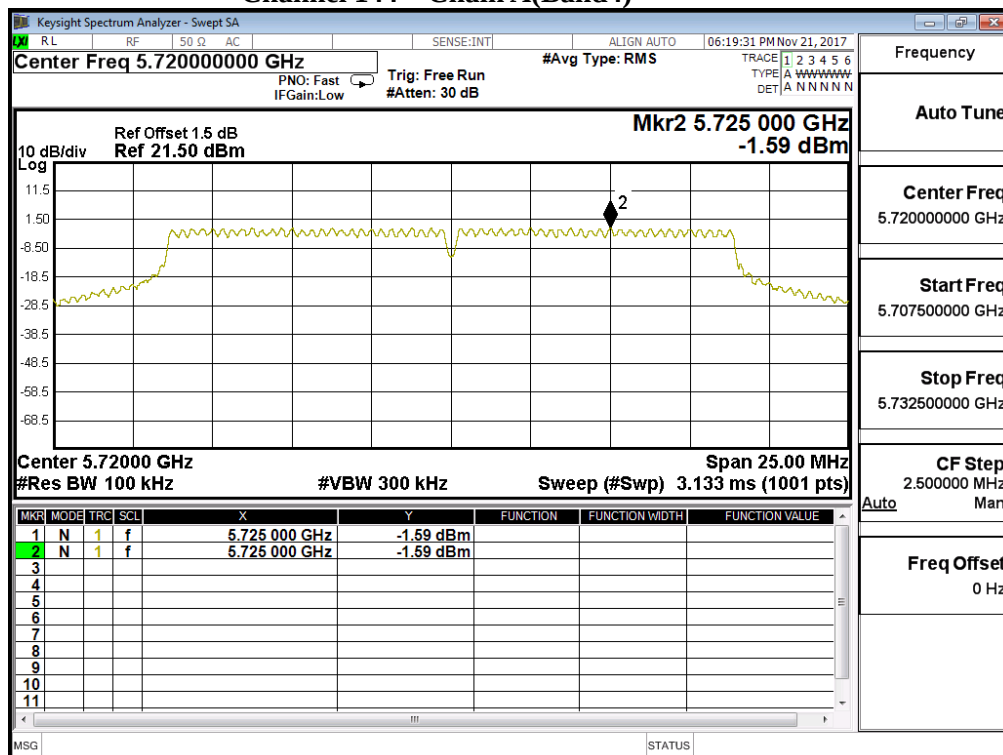
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)	Required Limit (dBm)	Result
144	5720(Band3)	A	7.780	--	10.790	<11	Pass
		B	7.880	--	10.890	<11	Pass
144	5720(Band4)	A	-1.590	6.98	8.400	<30	Pass
		B	-0.850	6.98	9.140	<30	Pass

Note: The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

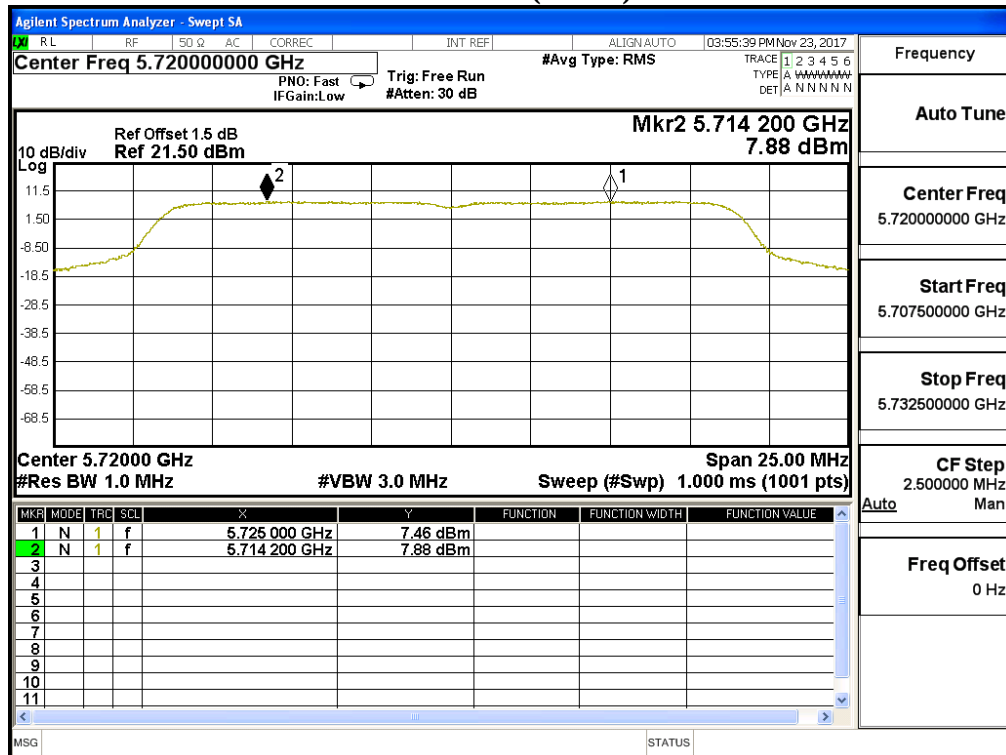
Channel 144 – Chain A(Band3)



Channel 144 – Chain A(Band4)



Channel 144 – Chain B(Band3)



Channel 144 – Chain B(Band4)

