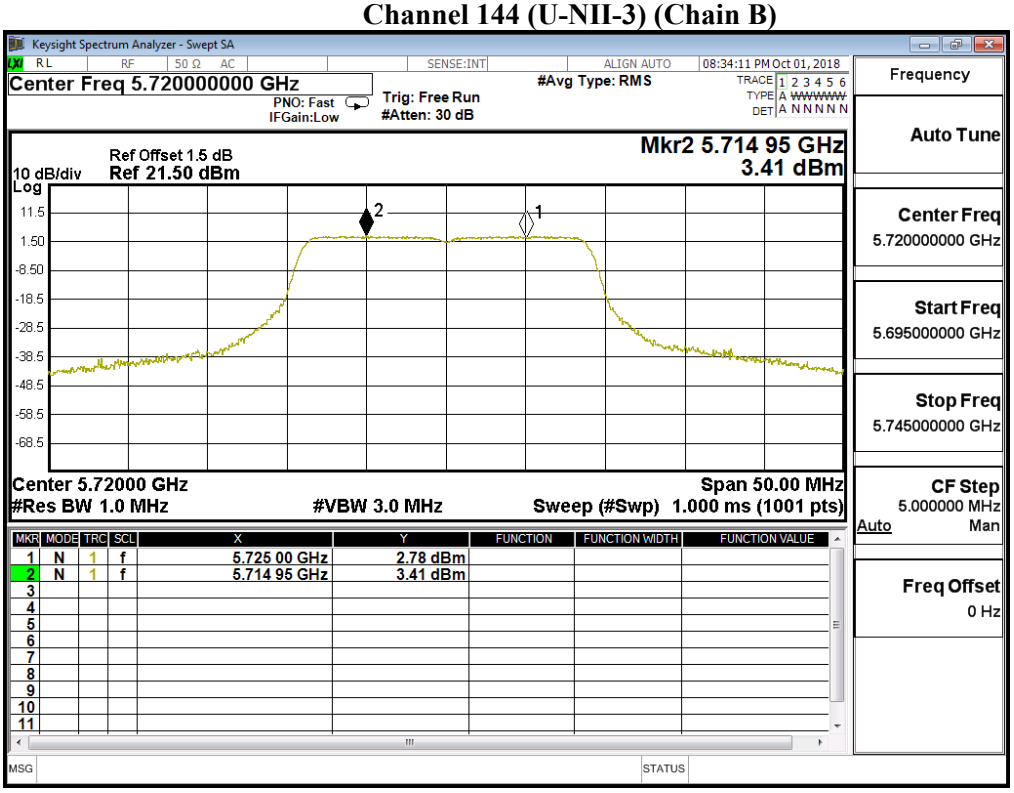
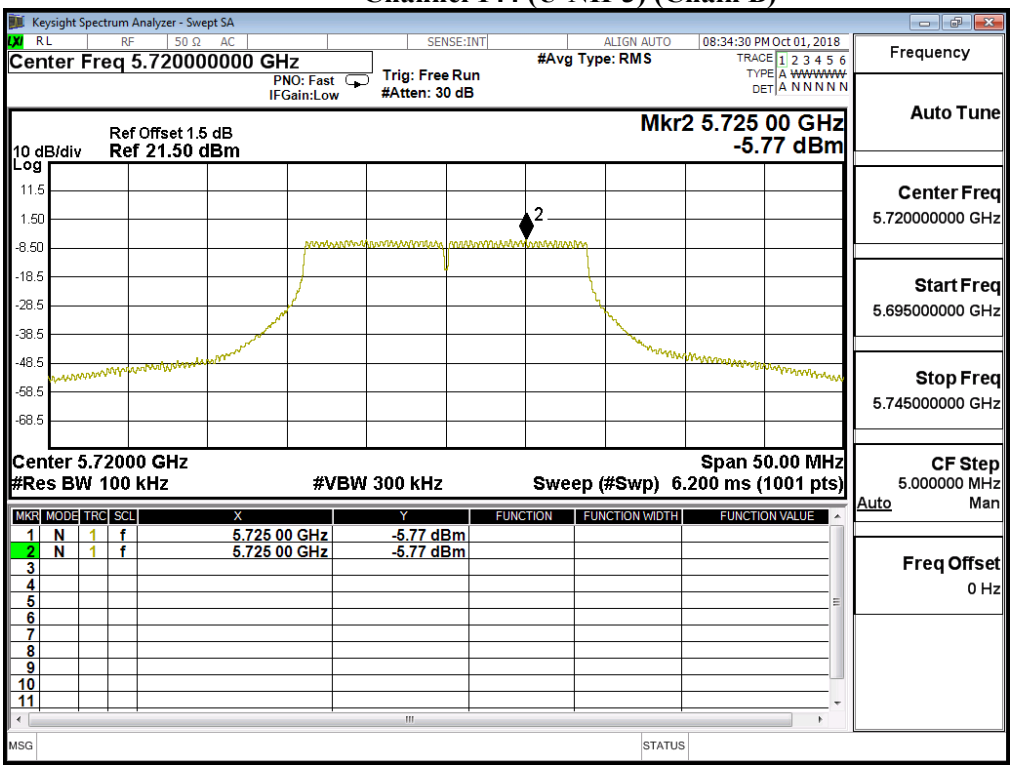
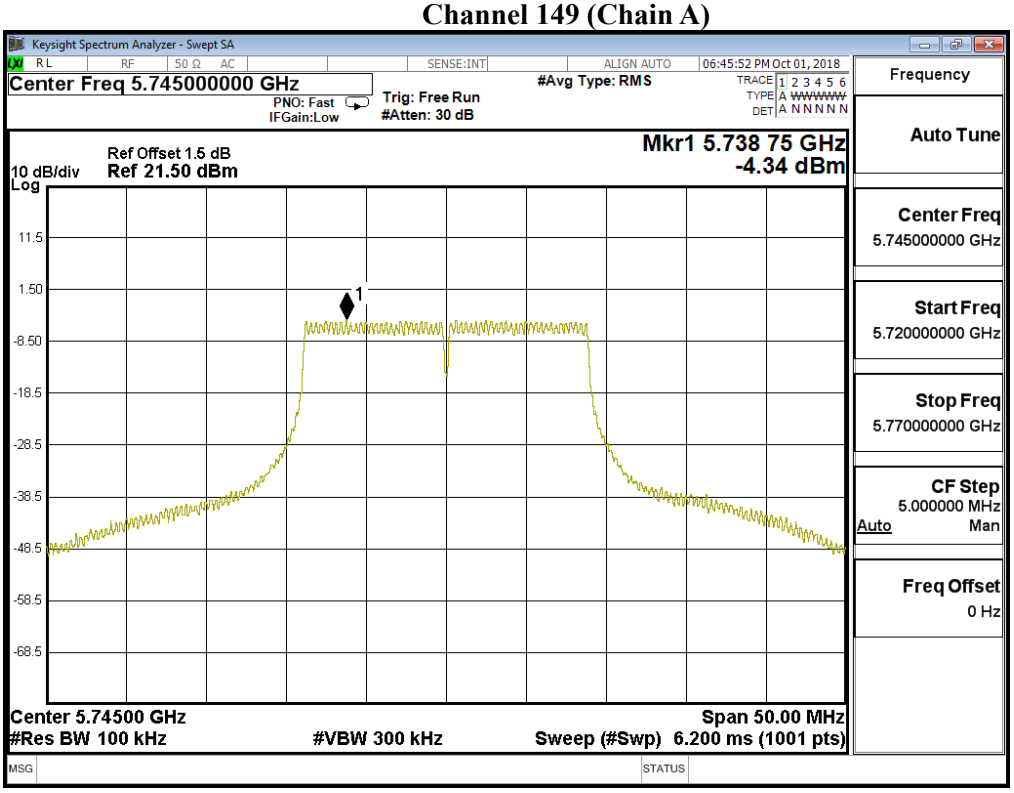
Channel 144 (U-NII-3) (Chain B)



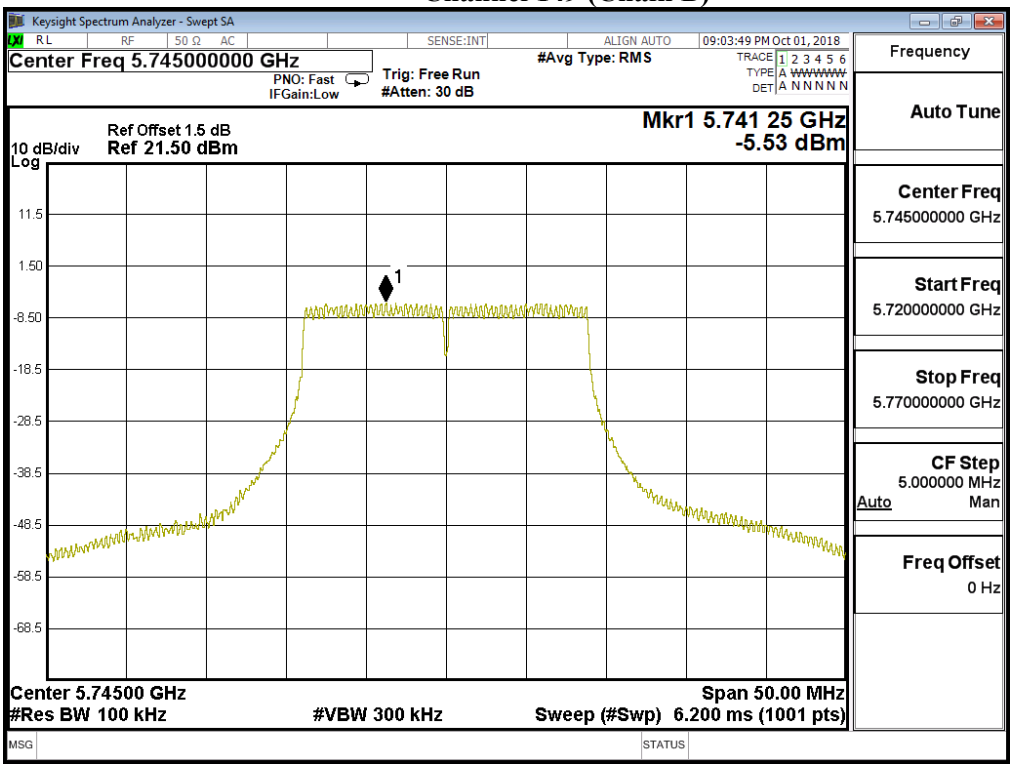
Channel 144 (U-NII-3) (Chain B)



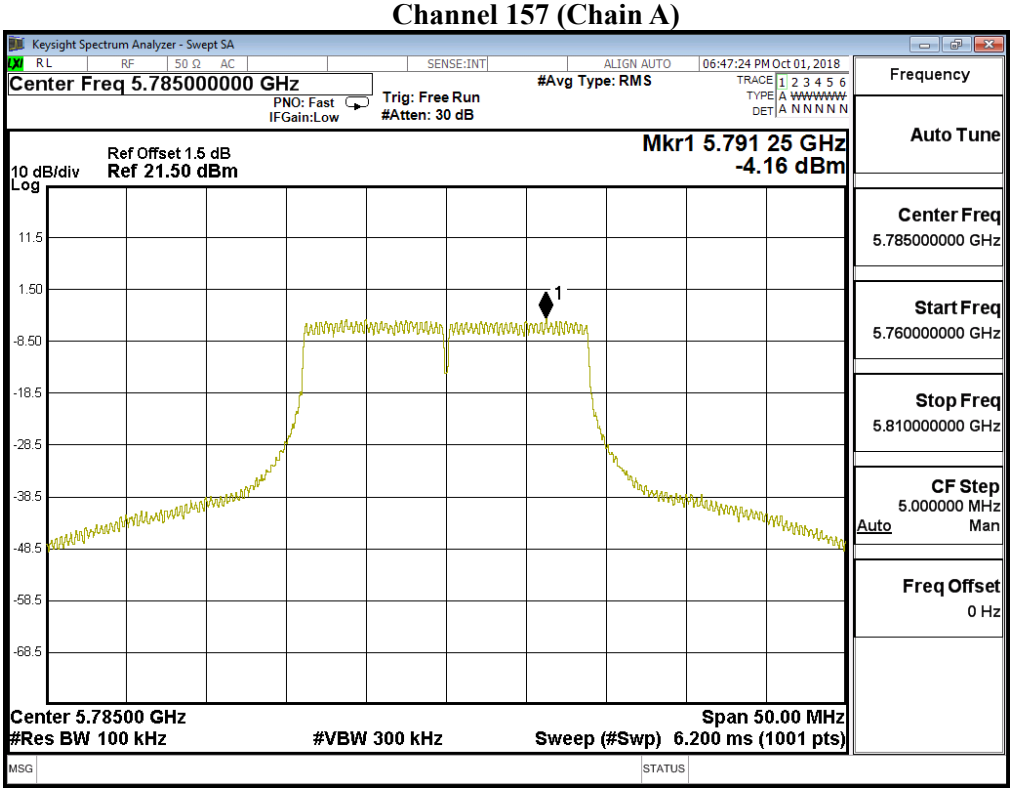
Channel 149 (Chain A)



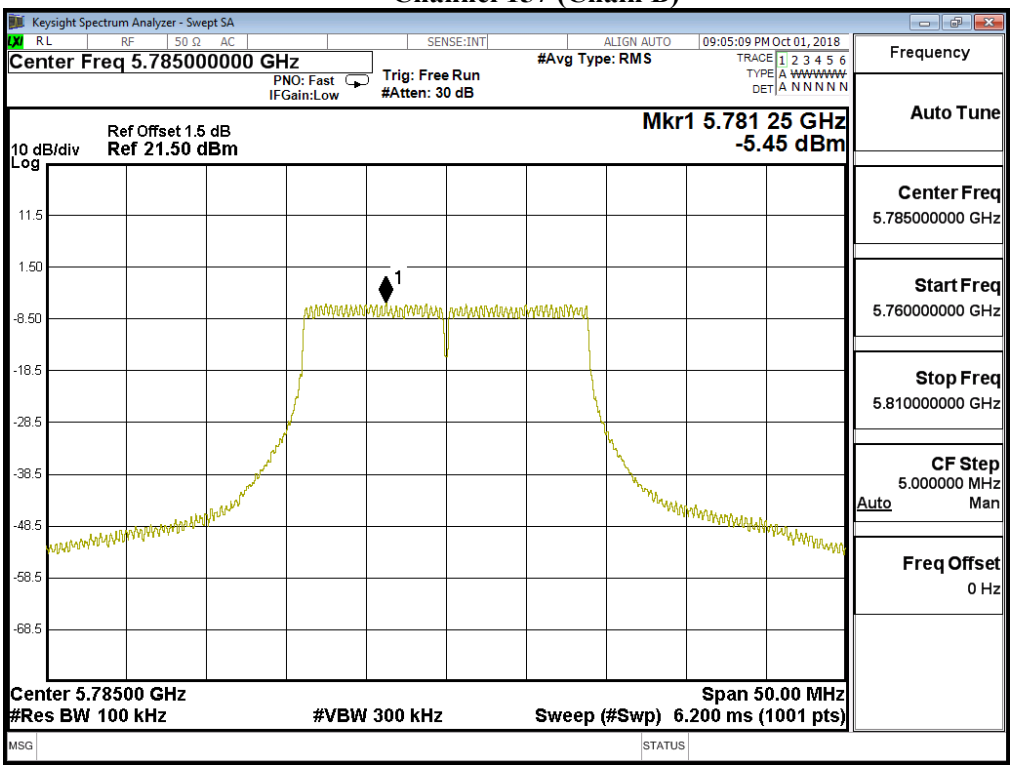
Channel 149 (Chain B)



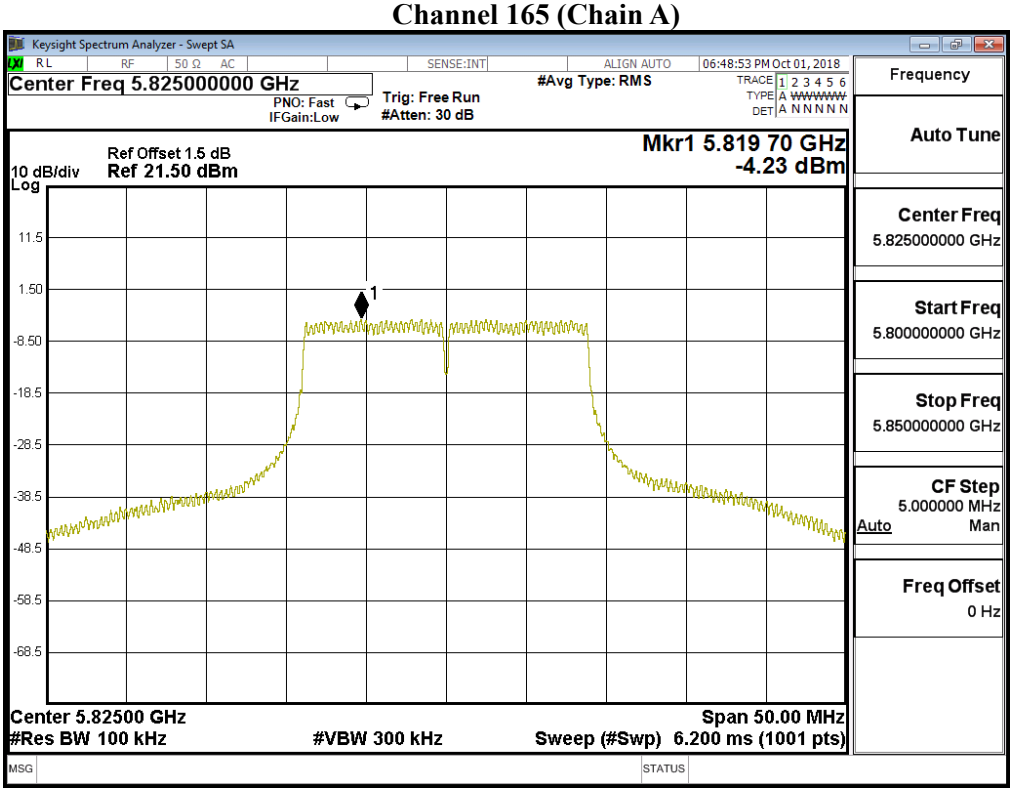
Channel 157 (Chain A)



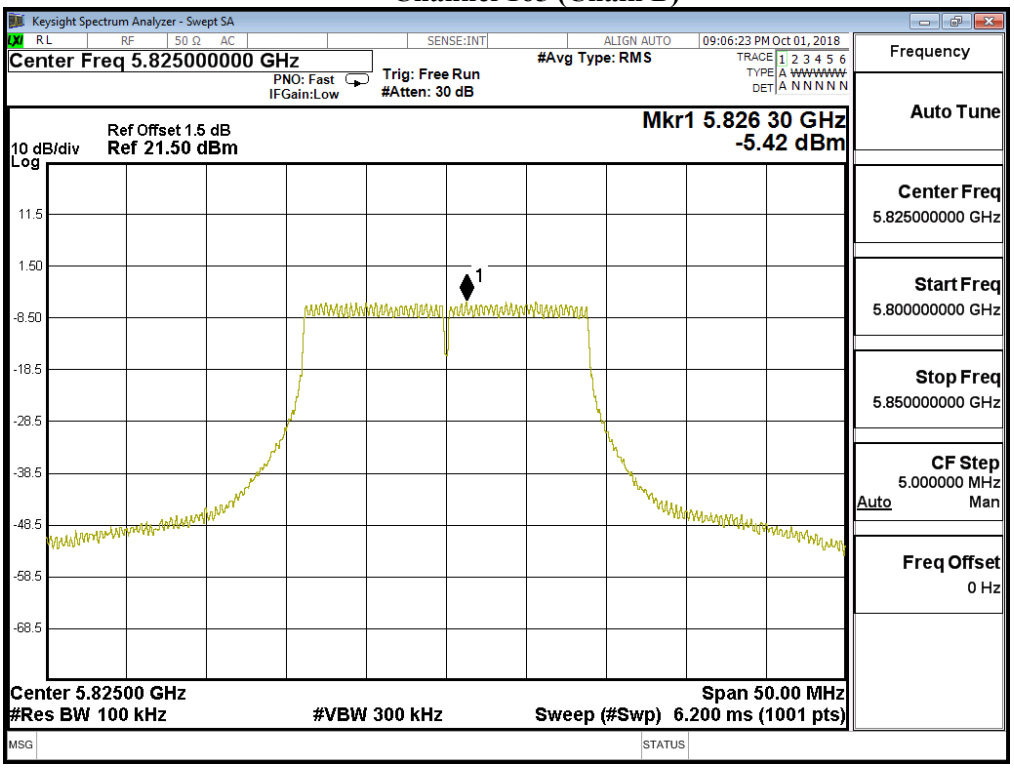
Channel 157 (Chain B)



Channel 165 (Chain A)



Channel 165 (Chain B)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 3: MIMO: 發射器 802.11n-40BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

Channel Number	Frequency (MHz)	Chain (dBm)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
38	5190	A	-2.040	0.970	<11	Pass
		B	-2.170	0.840	<11	Pass
46	5230	A	0.010	3.020	<11	Pass
		B	-0.840	2.170	<11	Pass
54	5270	A	-0.100	2.910	<11	Pass
		B	-1.240	1.770	<11	Pass
62	5310	A	-3.610	-0.600	<11	Pass
		B	-4.940	-1.930	<11	Pass
102	5510	A	-2.620	0.390	<11	Pass
		B	-3.810	-0.800	<11	Pass
110	5550	A	0.960	3.970	<11	Pass
		B	-2.720	0.290	<11	Pass
134	5670	A	-0.490	2.520	<11	Pass
		B	-1.770	1.240	<11	Pass

Note:

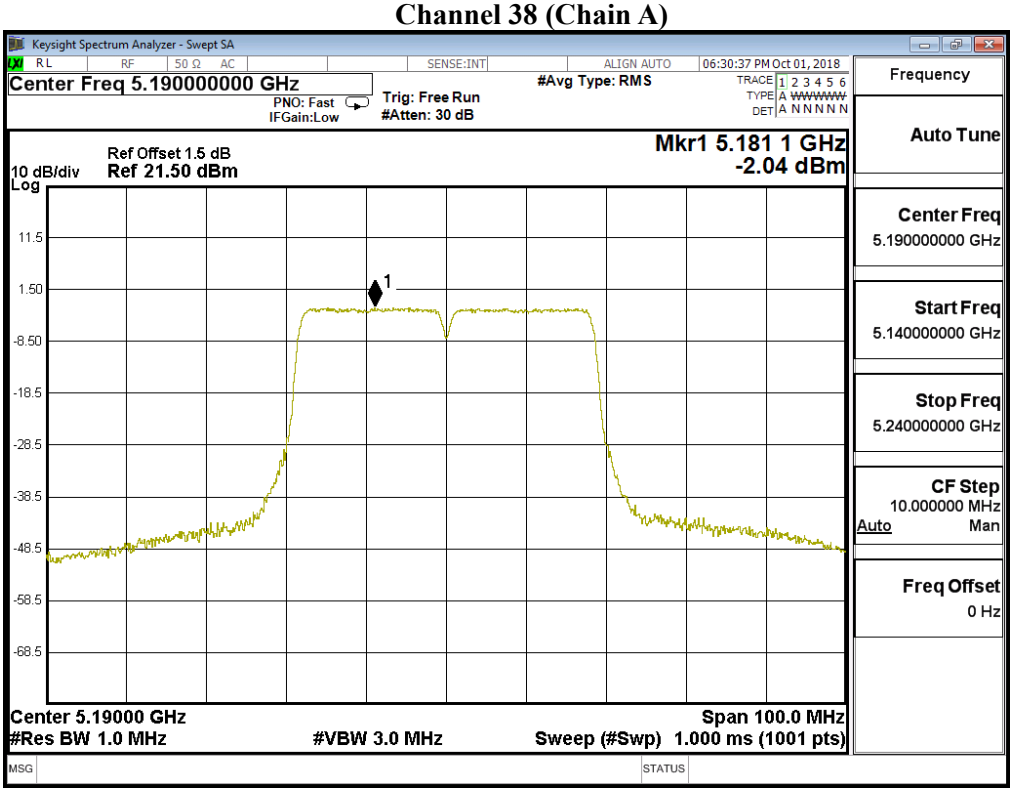
The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel Number	Frequency (MHz)	Chain (dBm)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
142 (U-NII-2C)	5710	A	1.170	--	4.180	<11	Pass
		B	-0.270	--	2.740	<11	Pass
142 (U-NII-3)	5710	A	-8.480	6.980	1.510	<30	Pass
		B	-9.920	6.980	0.070	<30	Pass
151	5755	A	-7.730	6.980	2.260	<30	Pass
		B	-9.010	6.980	0.980	<30	Pass
159	5795	A	-7.740	6.980	2.250	<30	Pass
		B	-9.100	6.980	0.890	<30	Pass

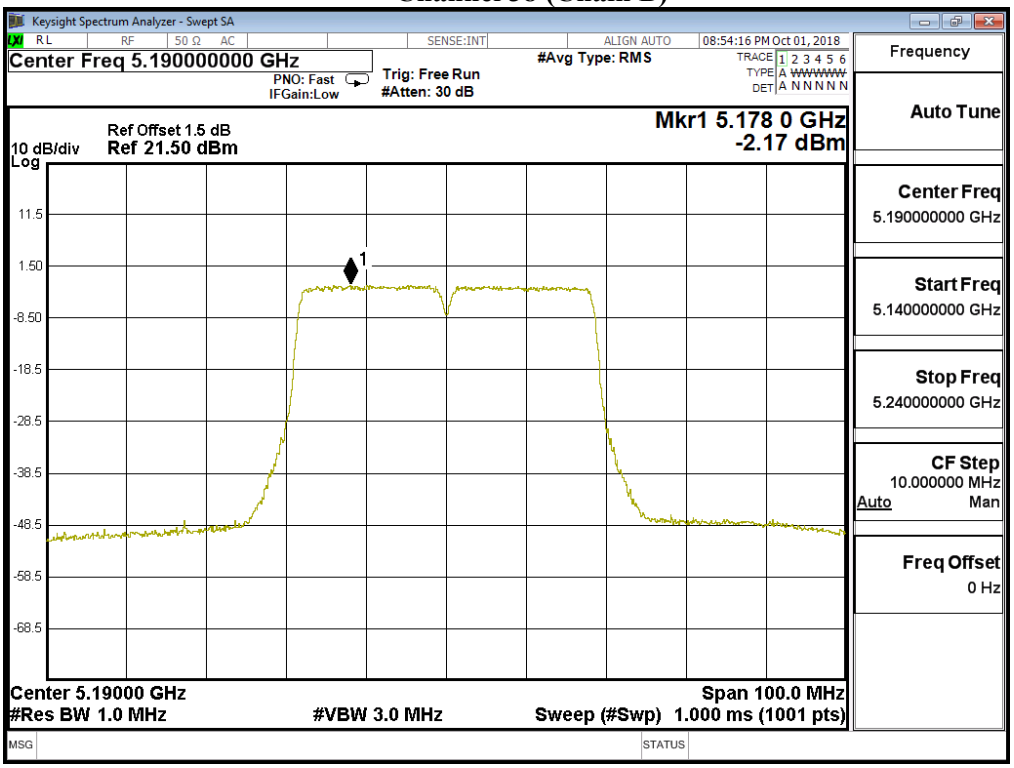
Note:

The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

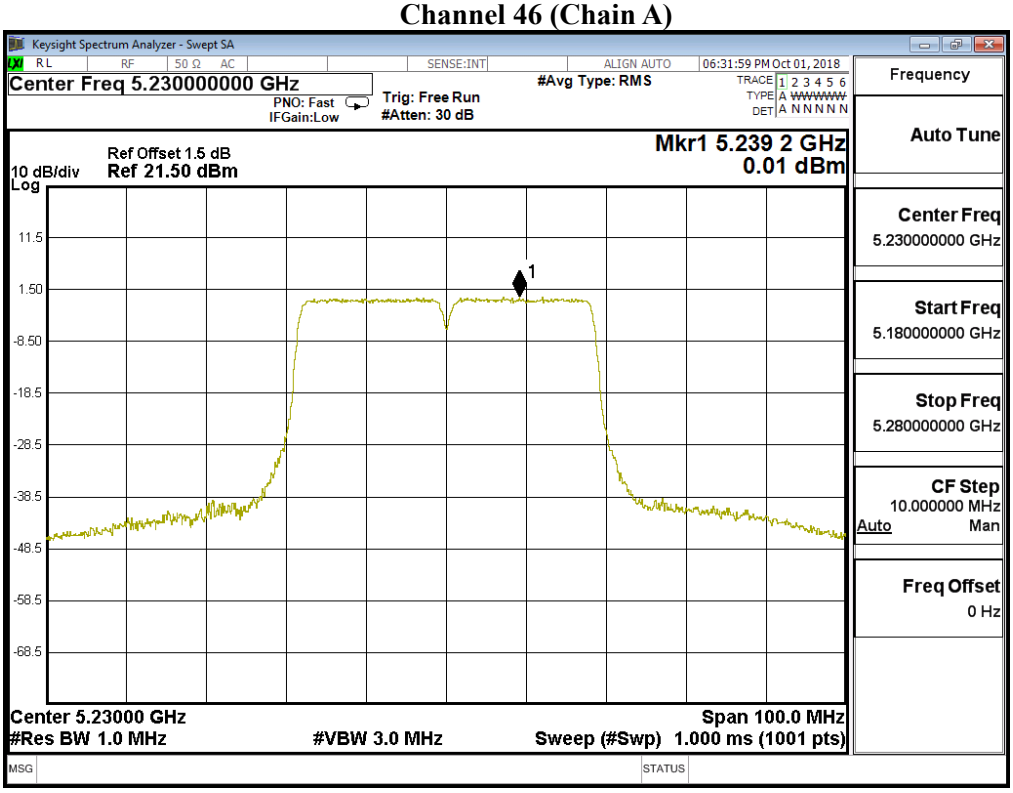
Channel 38 (Chain A)



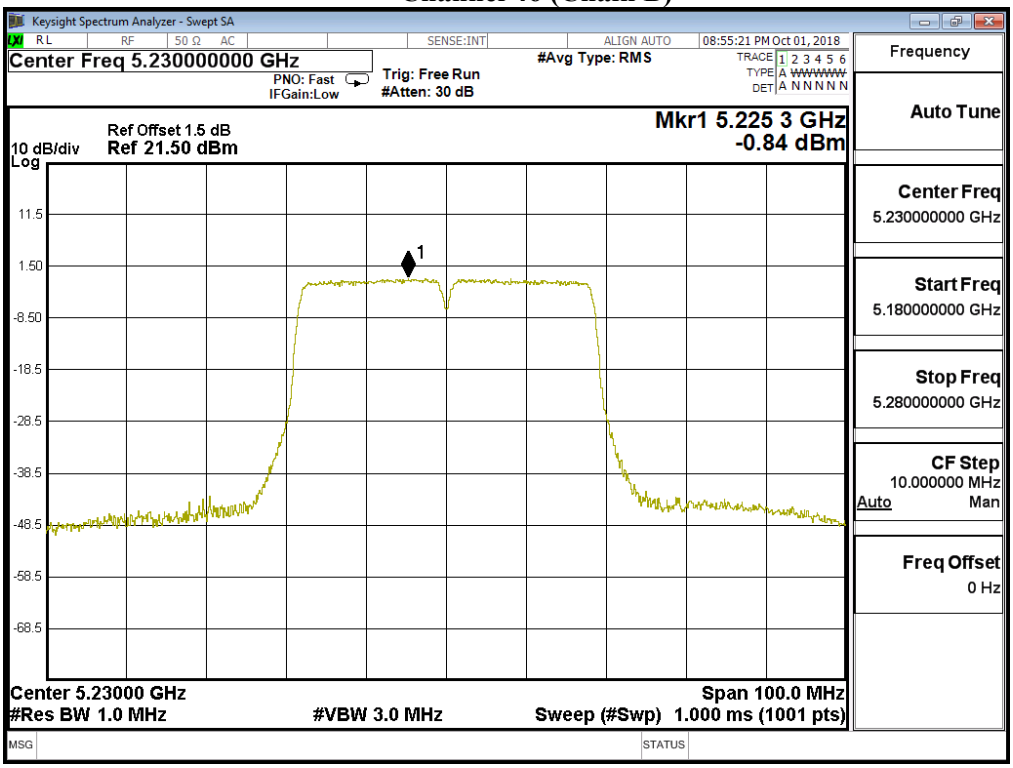
Channel 38 (Chain B)



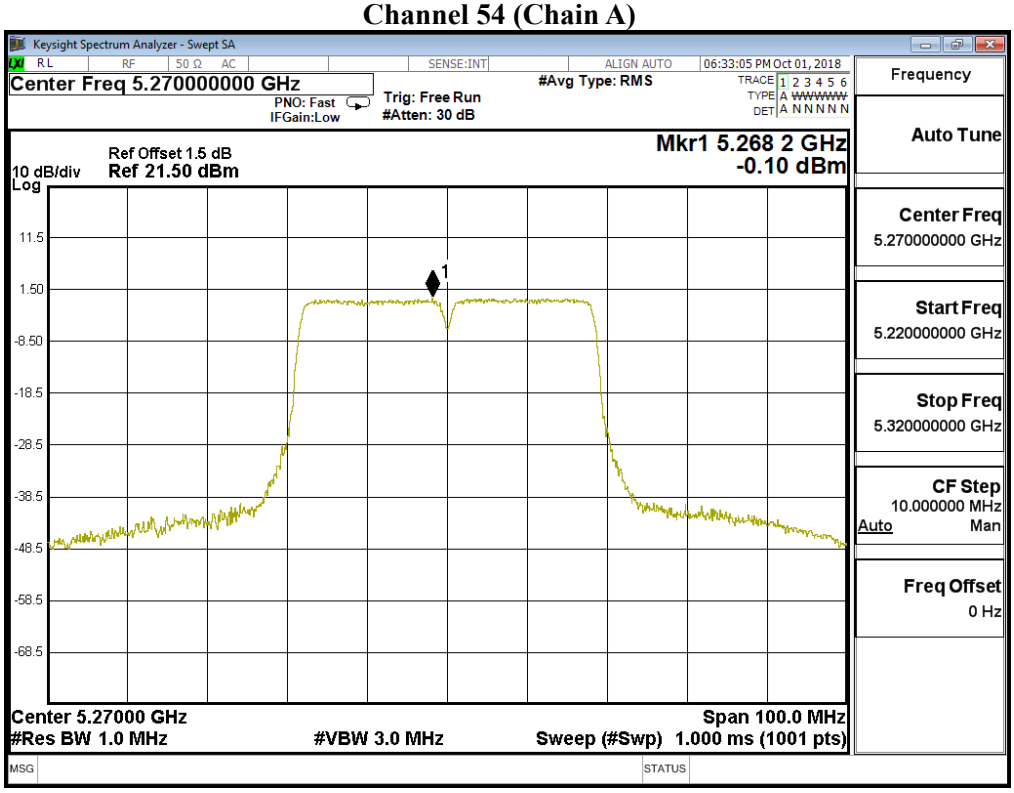
Channel 46 (Chain A)



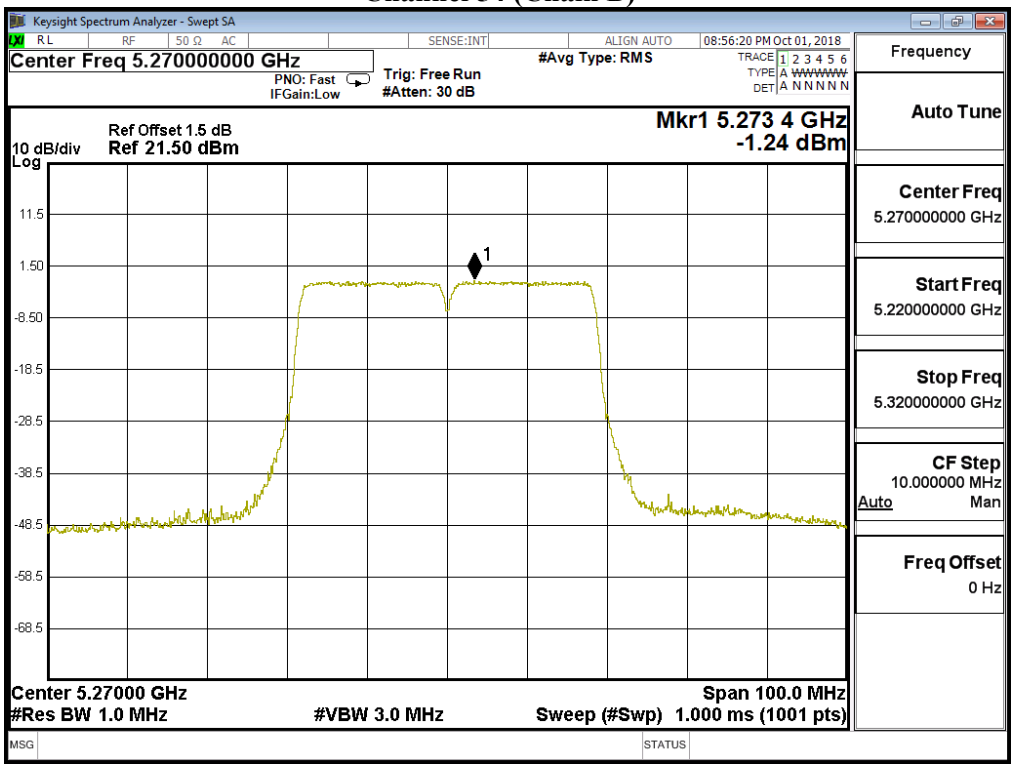
Channel 46 (Chain B)



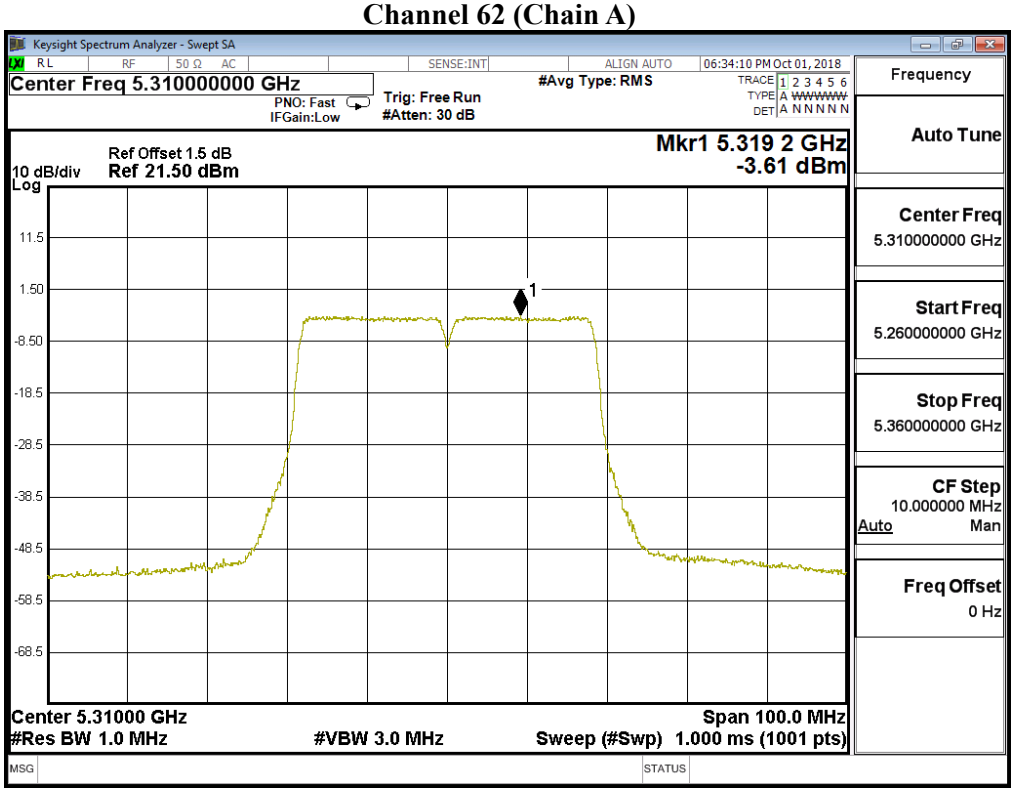
Channel 54 (Chain A)



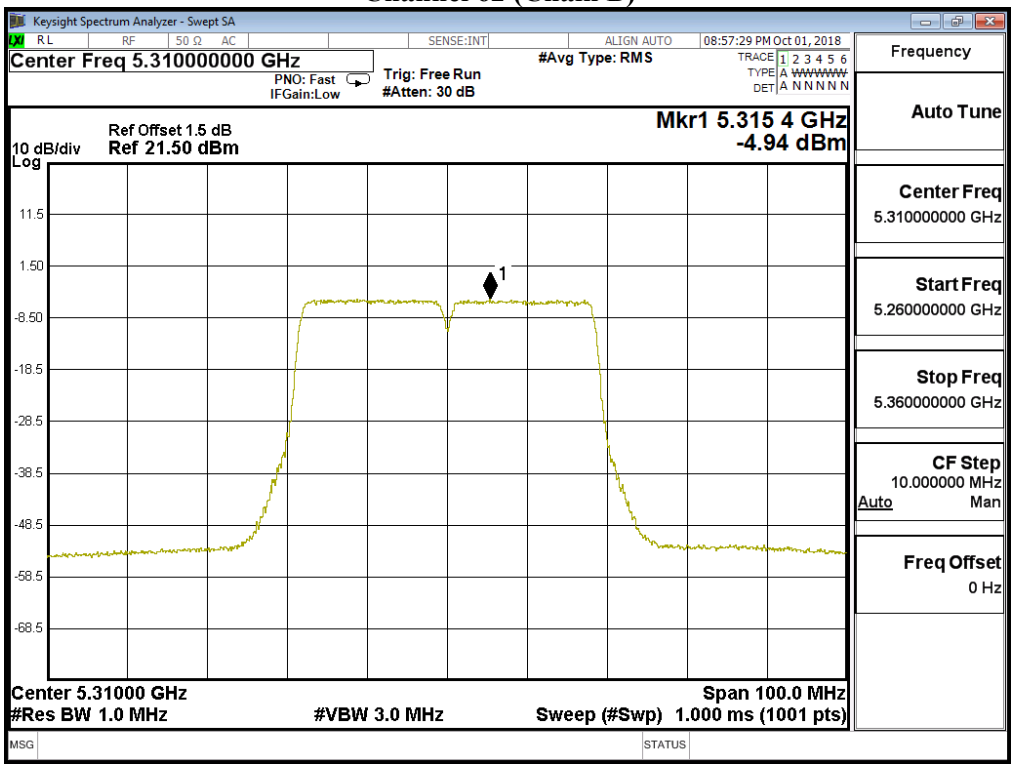
Channel 54 (Chain B)



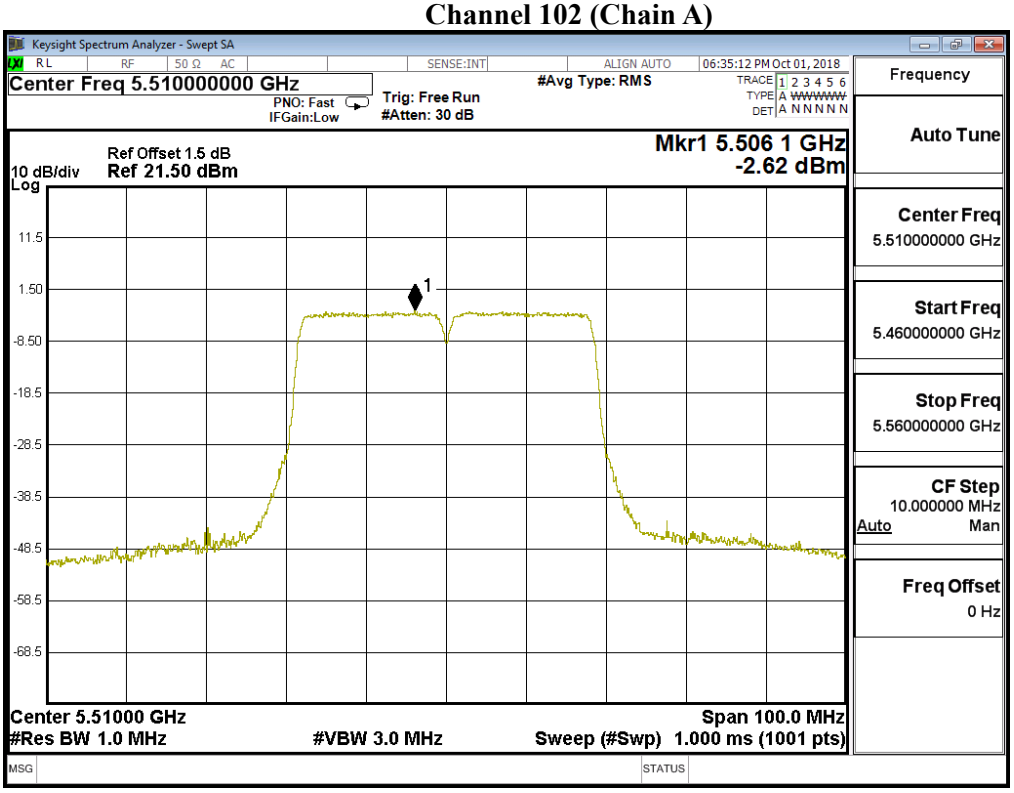
Channel 62 (Chain A)



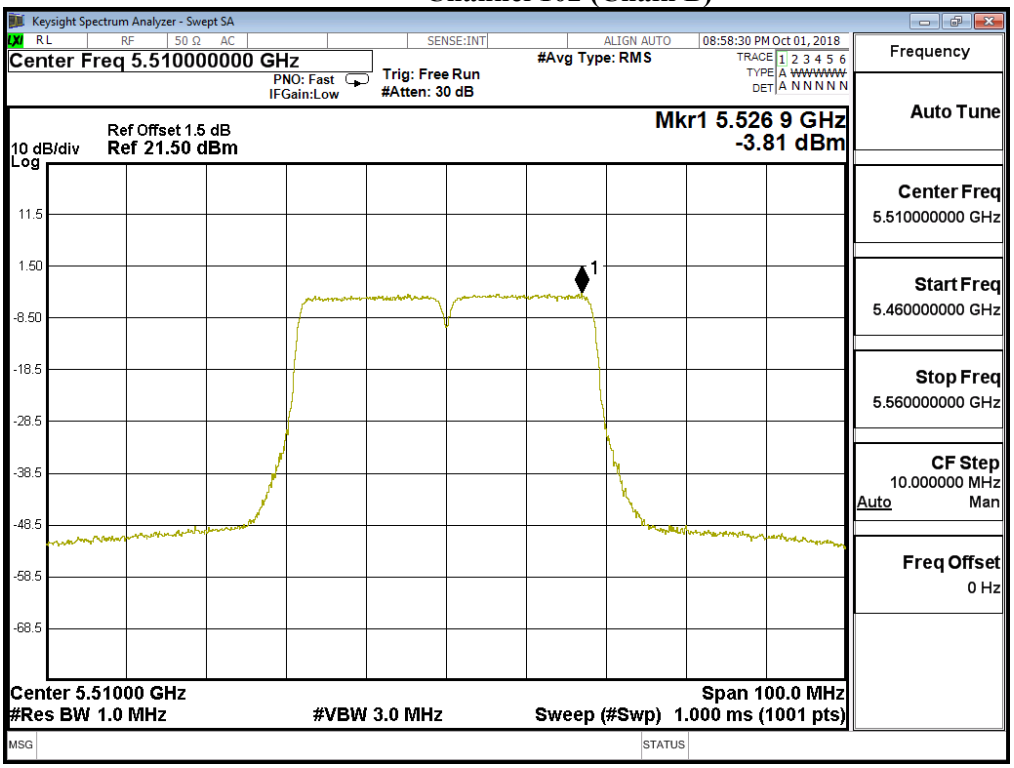
Channel 62 (Chain B)



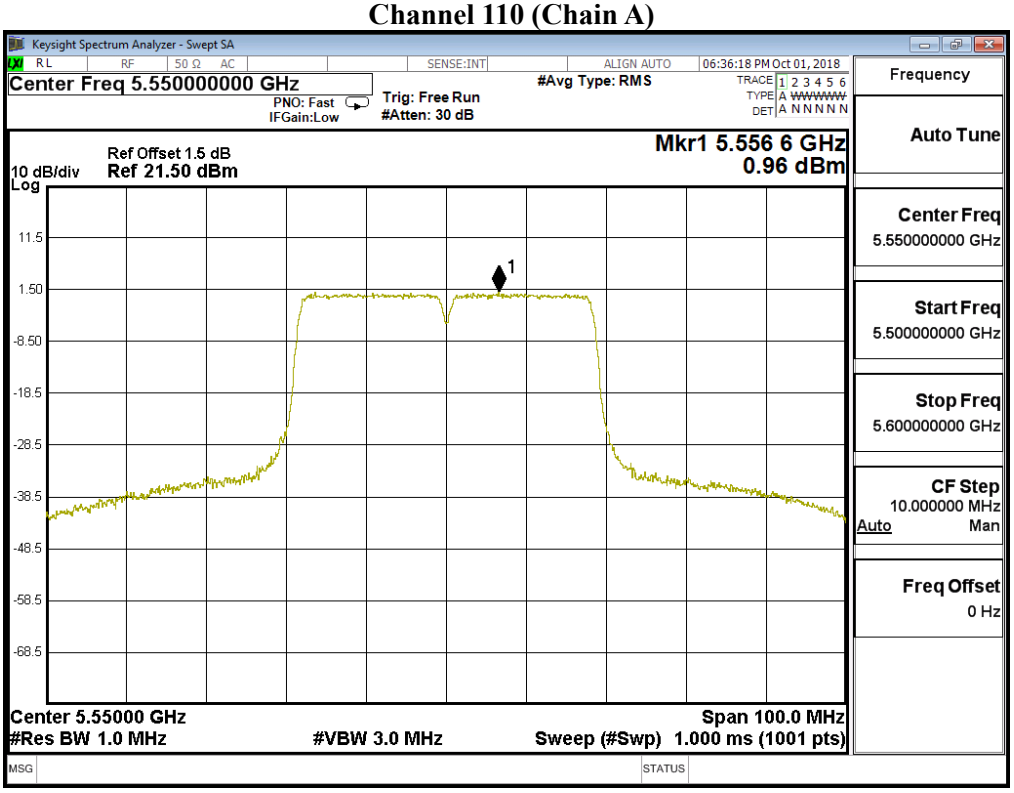
Channel 102 (Chain A)



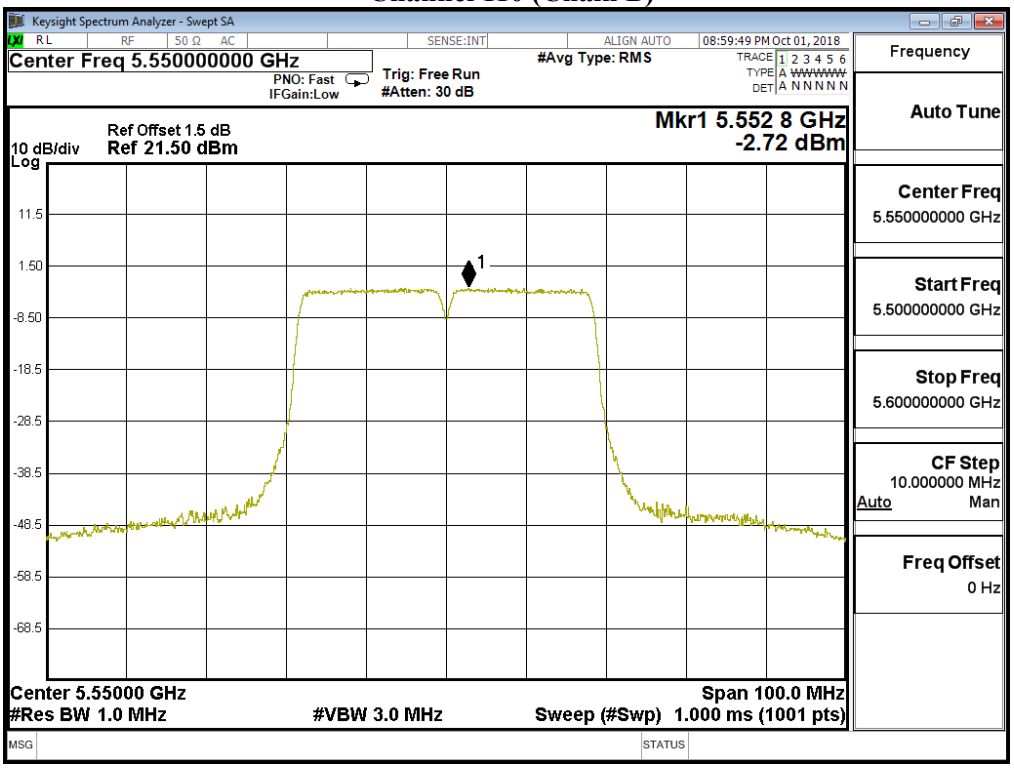
Channel 102 (Chain B)



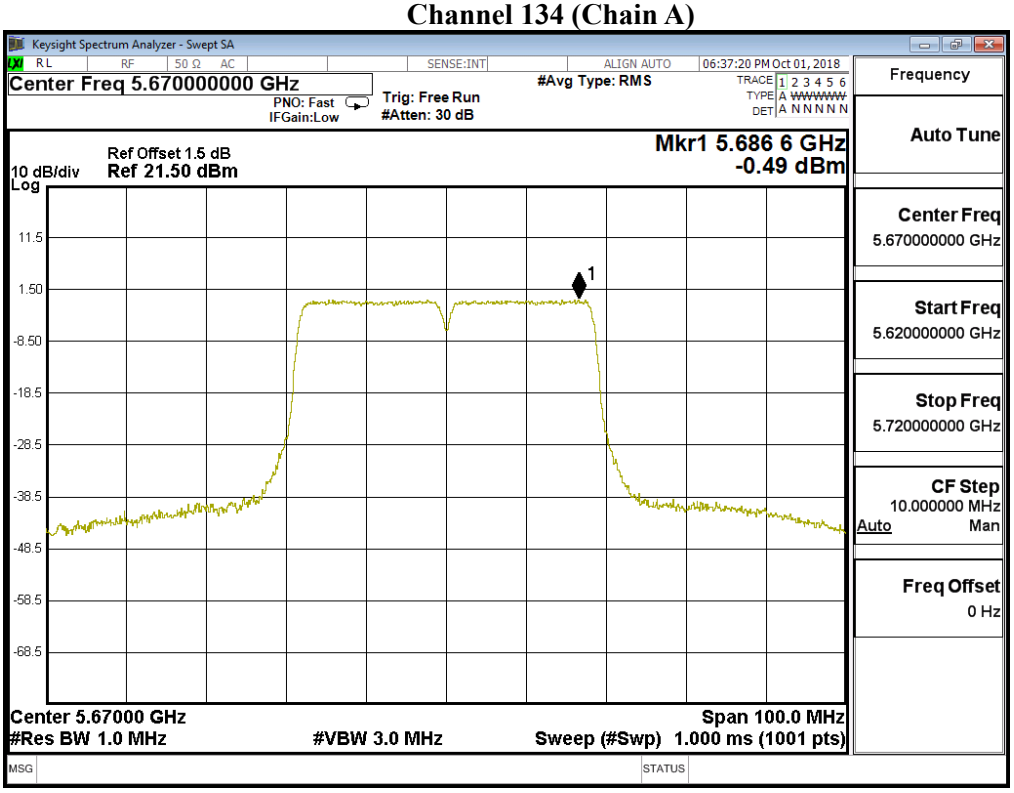
Channel 110 (Chain A)



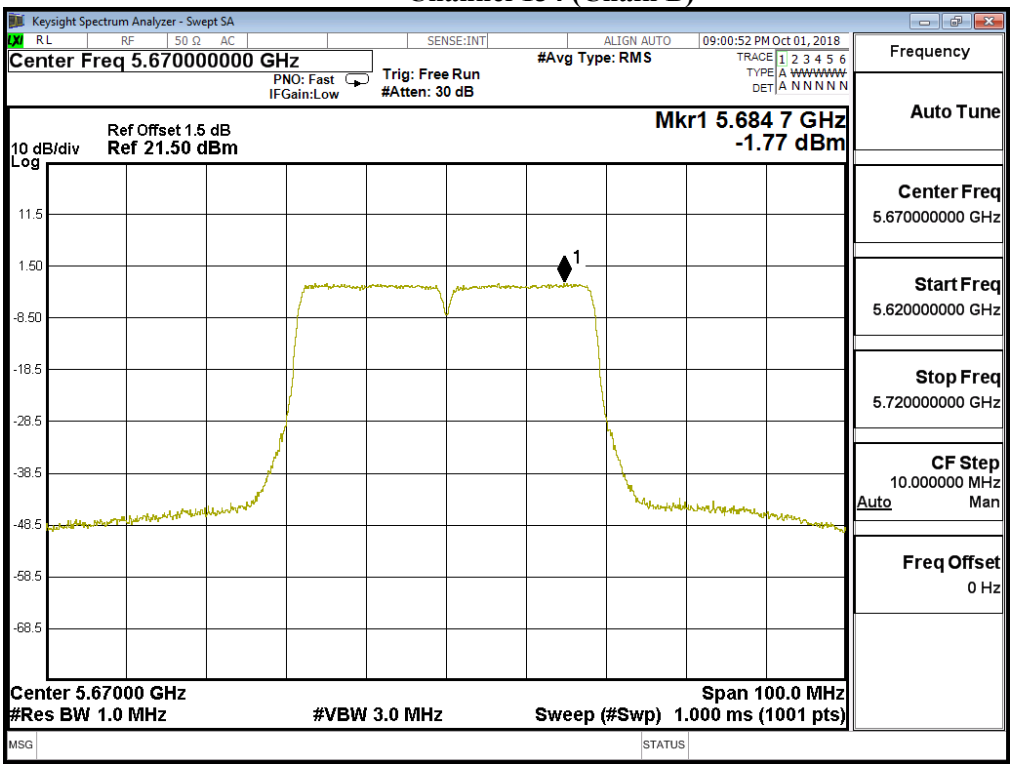
Channel 110 (Chain B)



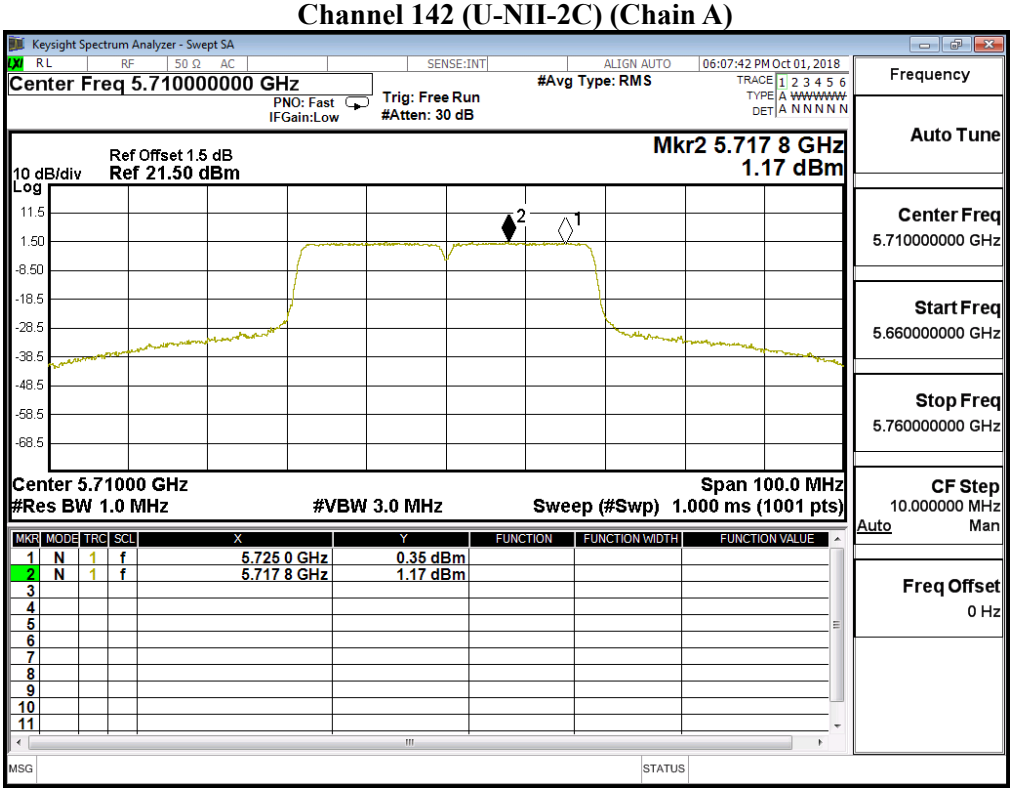
Channel 134 (Chain A)



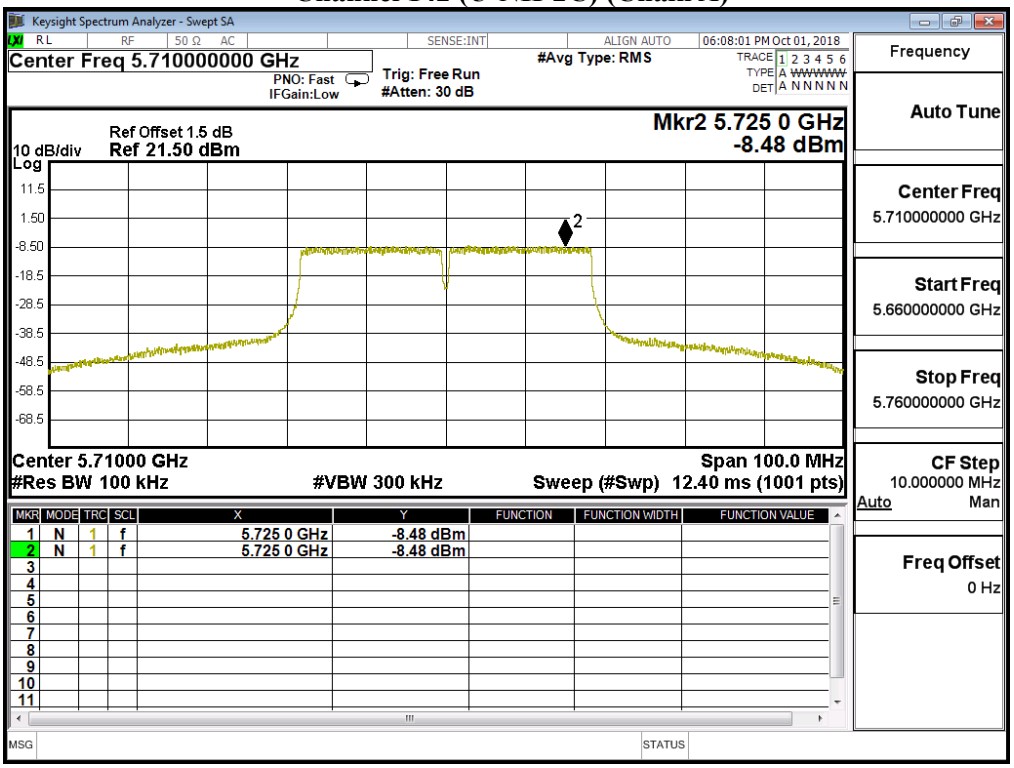
Channel 134 (Chain B)



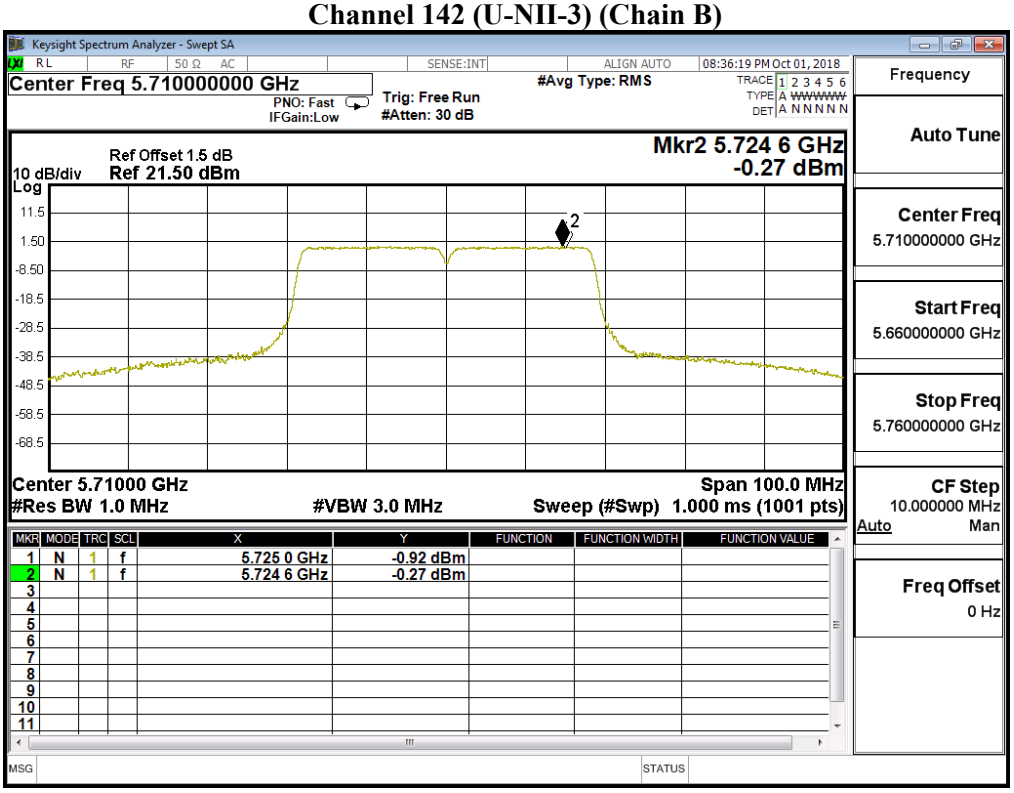
Channel 142 (U-NII-2C) (Chain A)



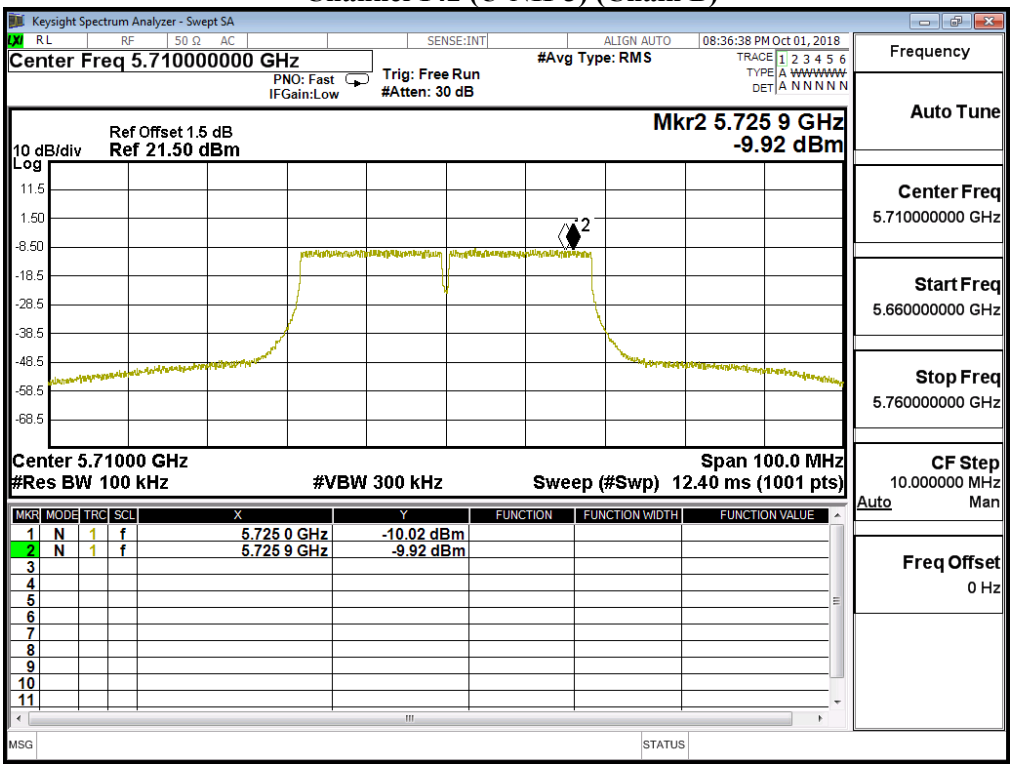
Channel 142 (U-NII-2C) (Chain A)



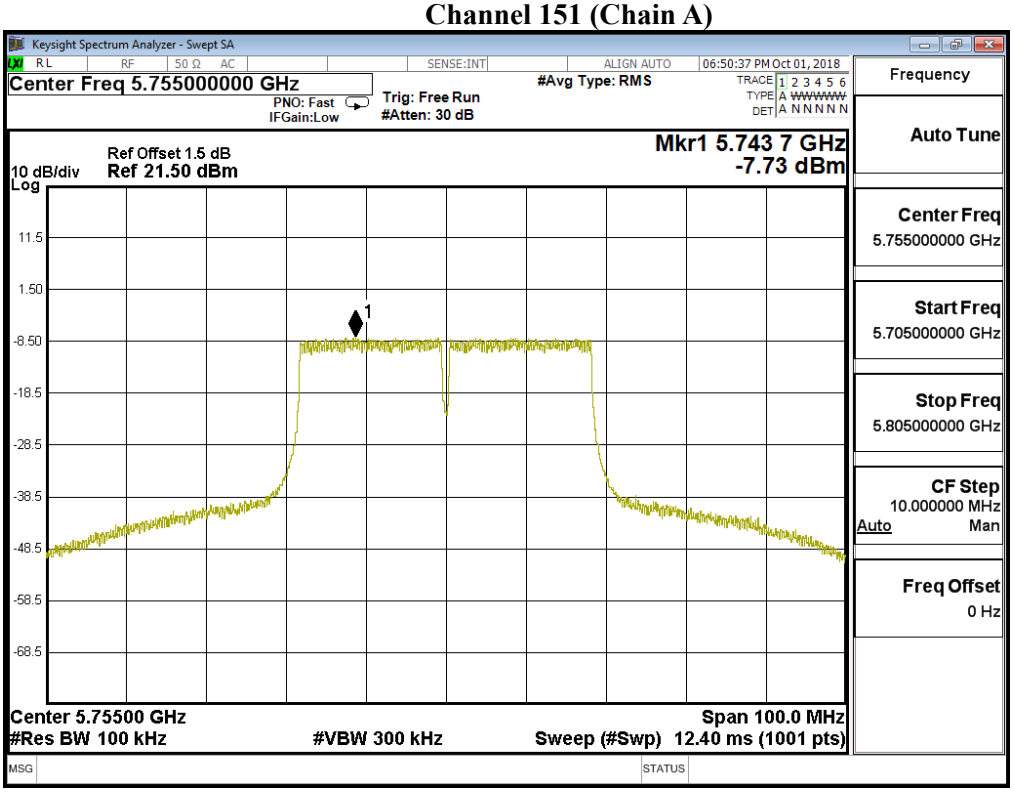
Channel 142 (U-NII-3) (Chain B)



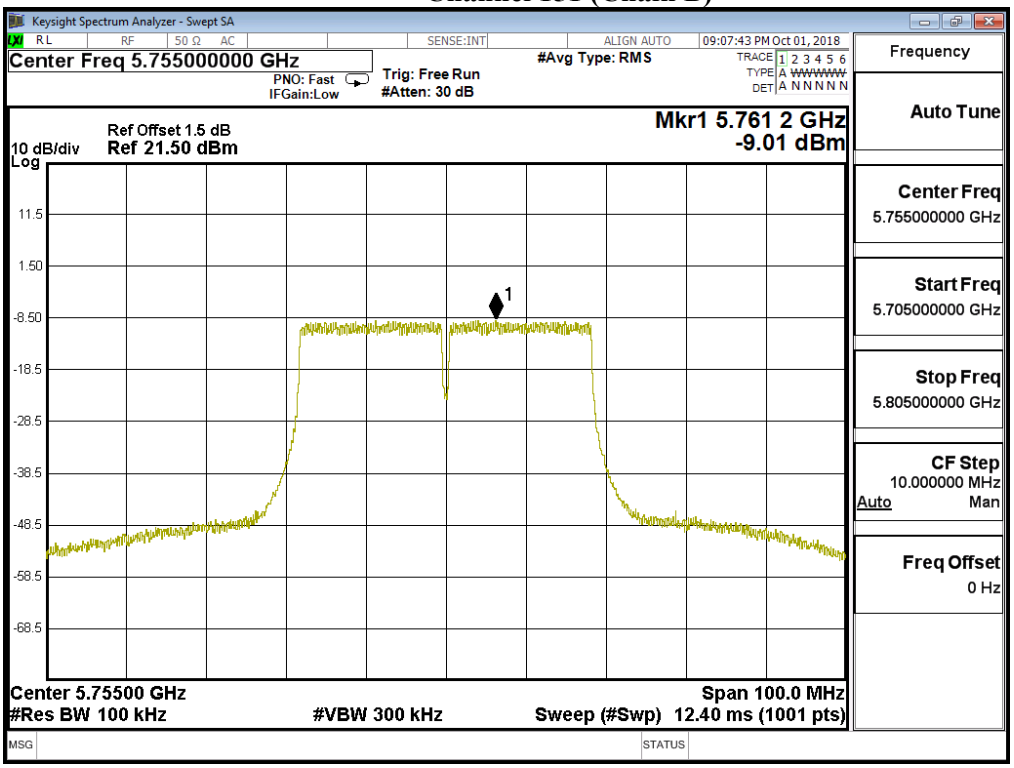
Channel 142 (U-NII-3) (Chain B)



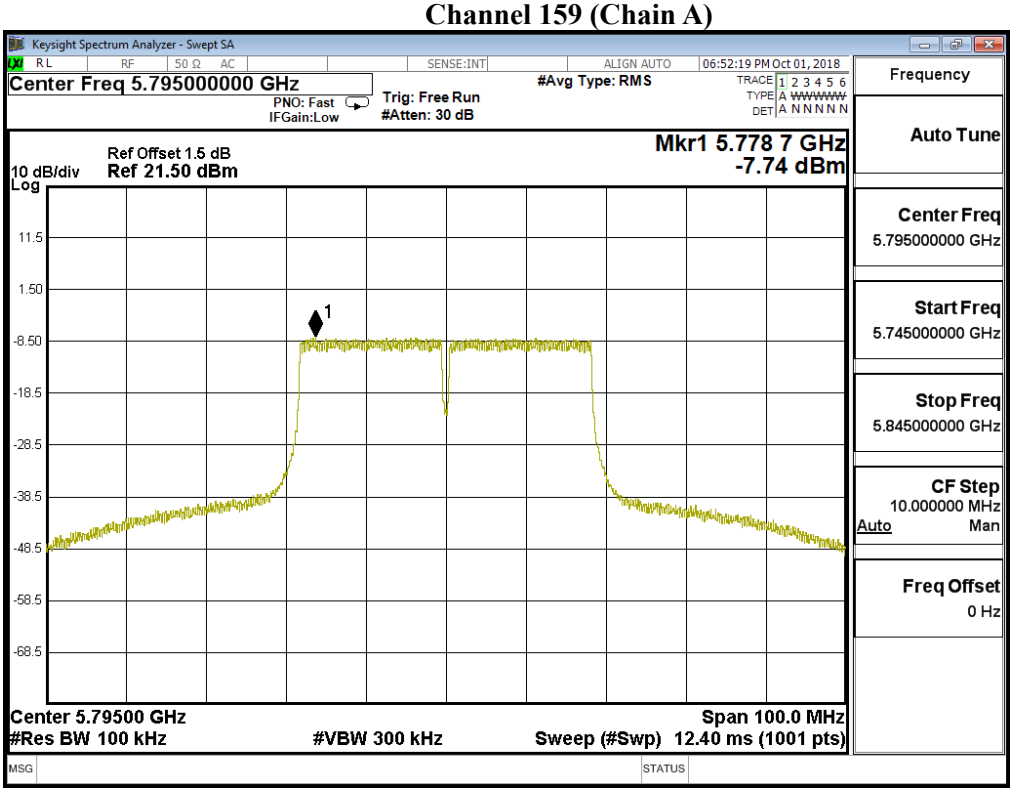
Channel 151 (Chain A)



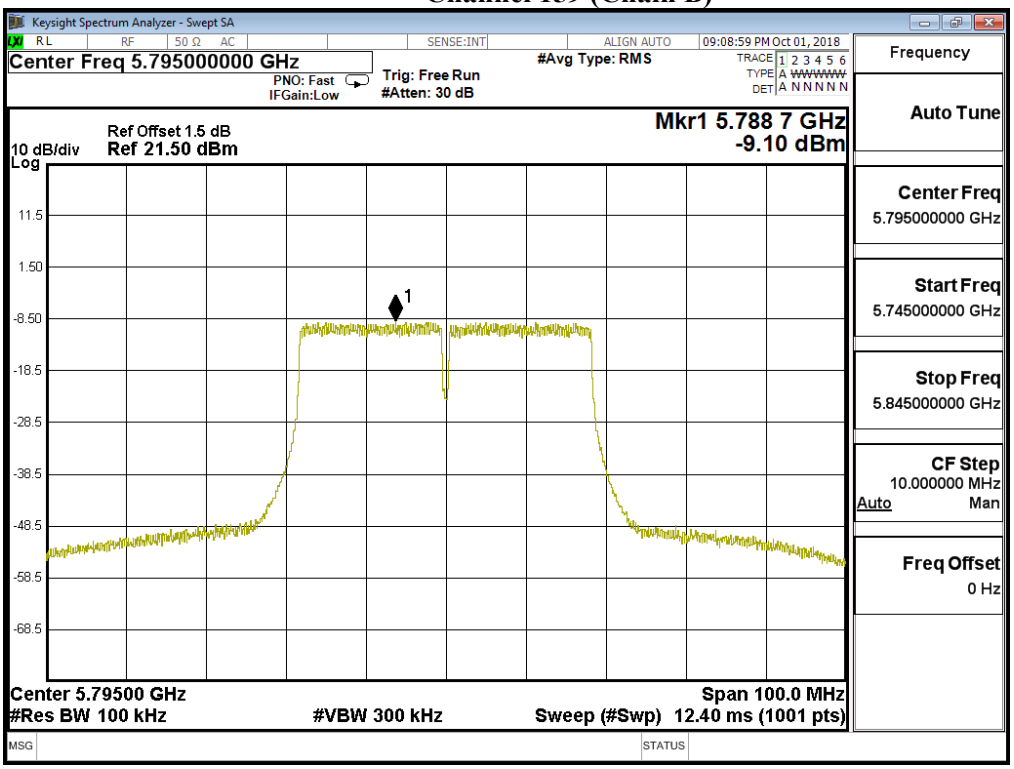
Channel 151 (Chain B)



Channel 159 (Chain A)



Channel 159 (Chain B)



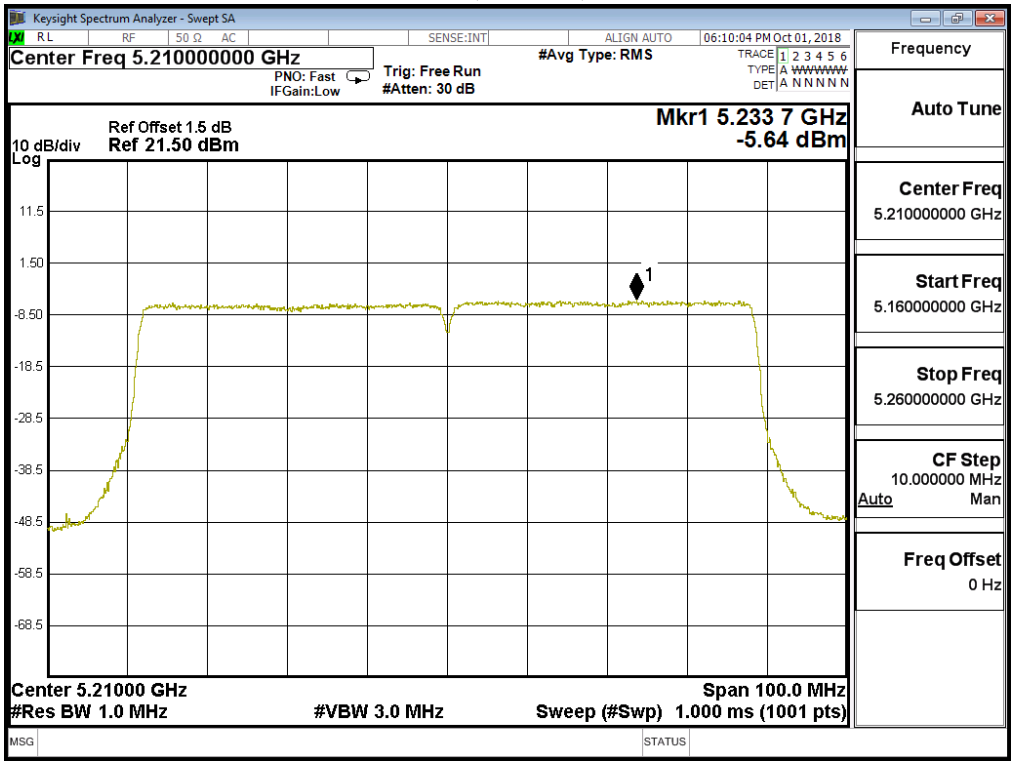
待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 3: MIMO: 發射器 802.11ac-80BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

Channel Number	Frequency (MHz)	Chain (dBm)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
42	5210	A	-5.640	--	-2.630	<11	Pass
		B	-6.100	--	-3.090	<11	Pass
58	5290	A	-5.550	--	-2.540	<11	Pass
		B	-5.900	--	-2.890	<11	Pass
106	5530	A	-6.240	--	-3.230	<11	Pass
		B	-6.190	--	-3.180	<11	Pass
122	5610	A	-2.770	--	0.240	<11	Pass
		B	-2.710	--	0.300	<11	Pass
138 (U-NII-2C)	5690	A	-2.710	--	0.300	<11	Pass
		B	-2.840	--	0.170	<11	Pass
138 (U-NII-3)	5690	A	-12.510	6.98	-2.520	<30	Pass
		B	-12.030	6.98	-2.040	<30	Pass
155	5775	A	-12.910	6.98	-2.920	<30	Pass
		B	-12.660	6.98	-2.670	<30	Pass

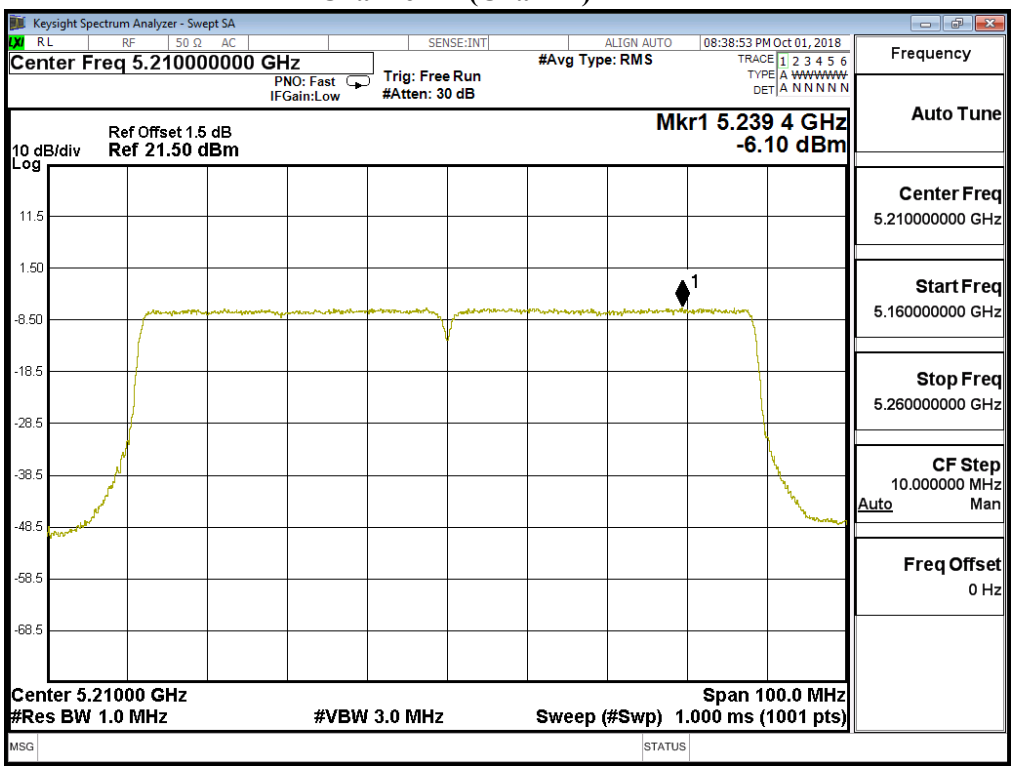
Note:

The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

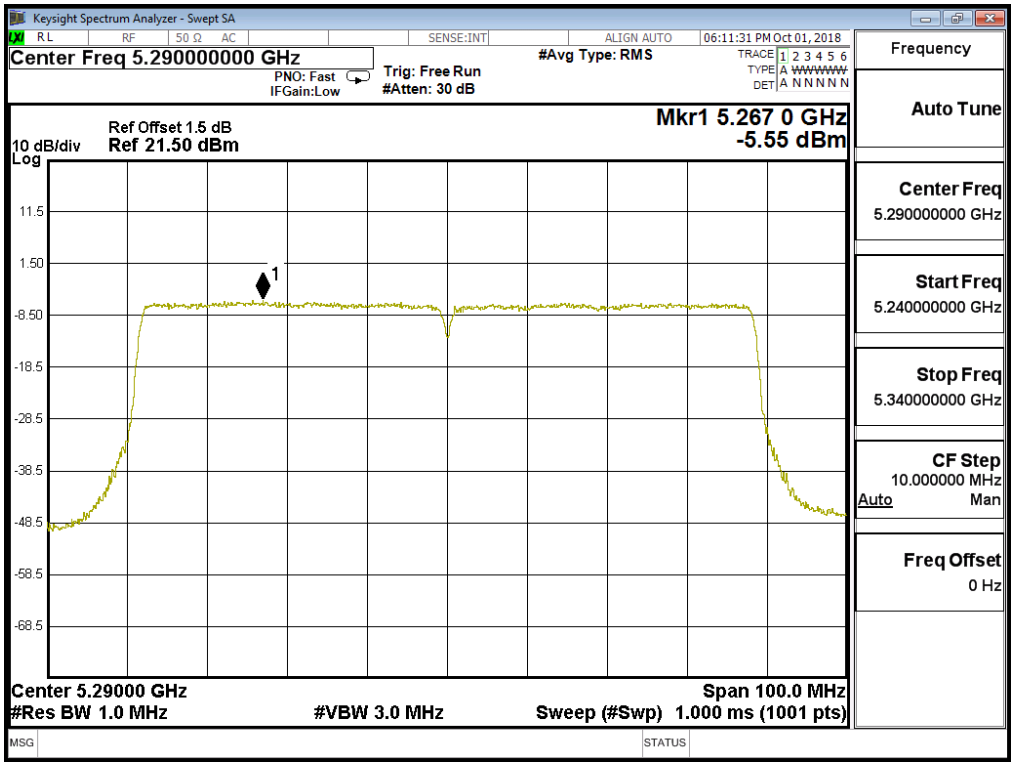
Channel 42 (Chain A)



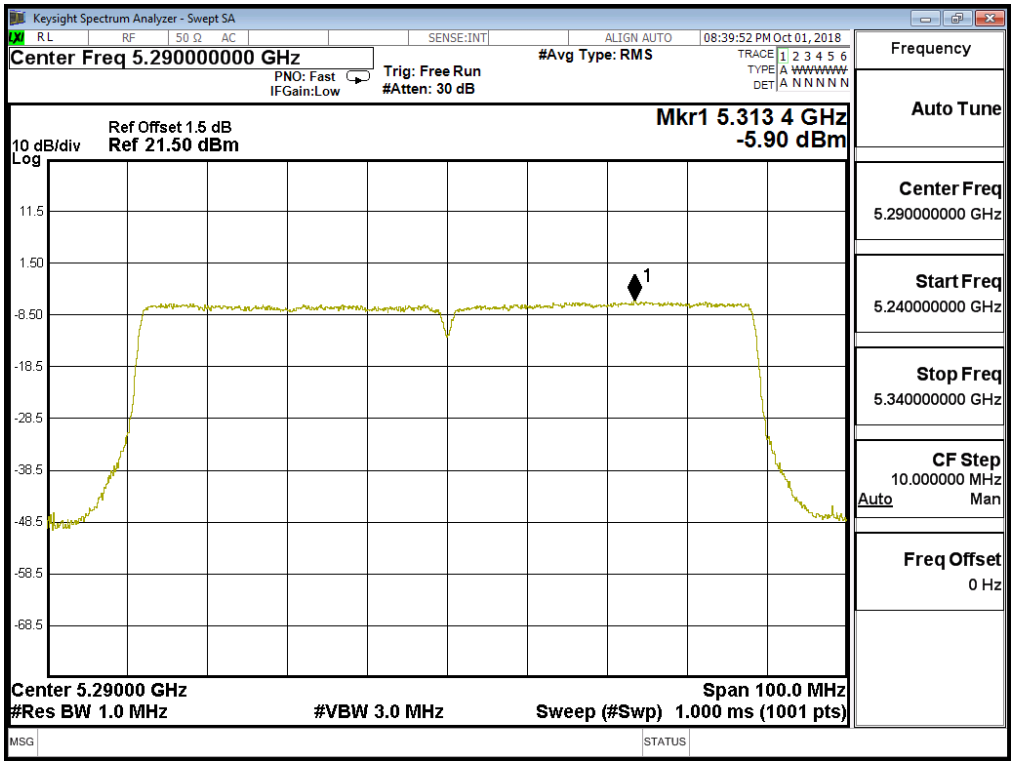
Channel 42 (Chain B)



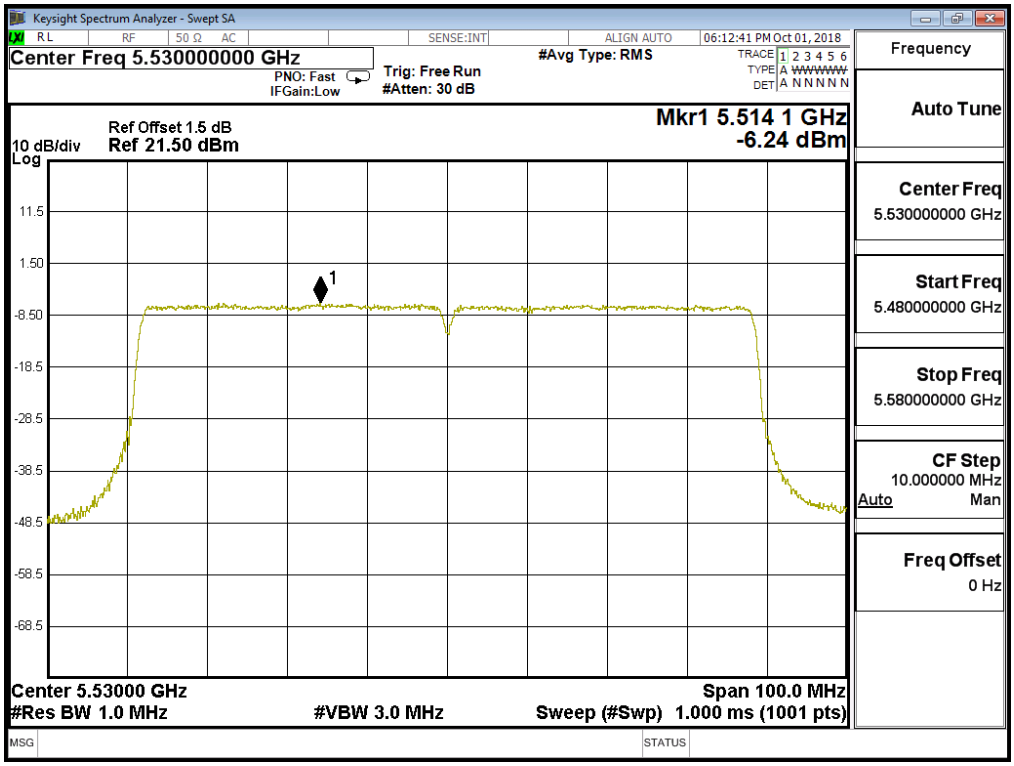
Channel 58 (Chain A)



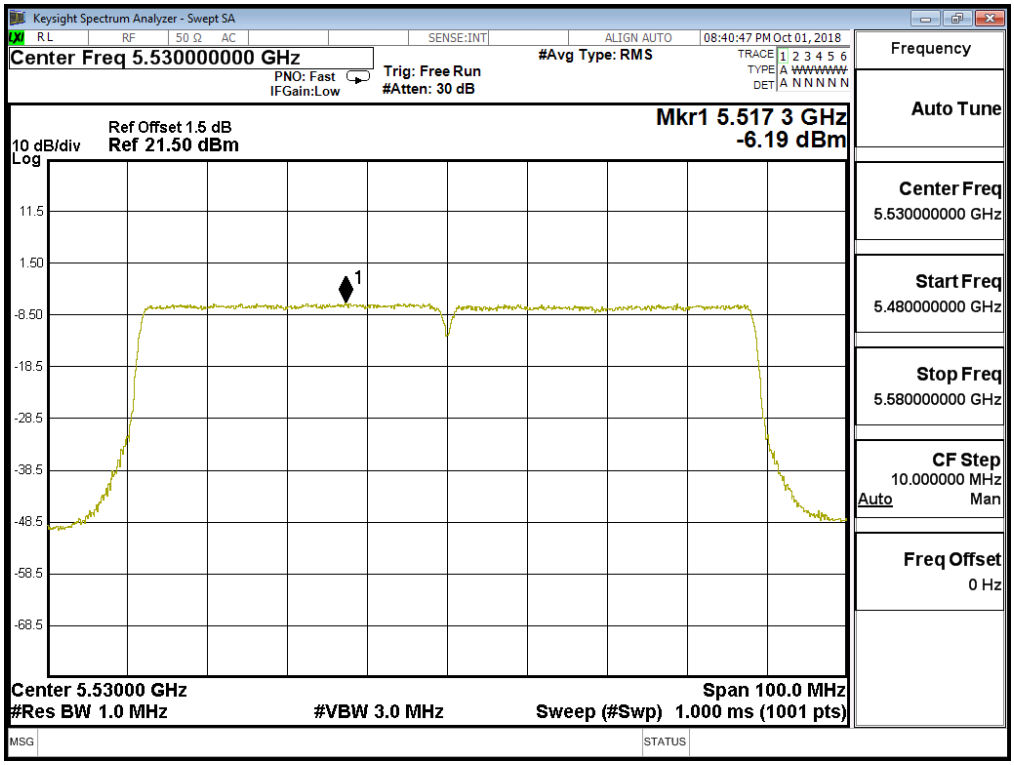
Channel 58 (Chain B)



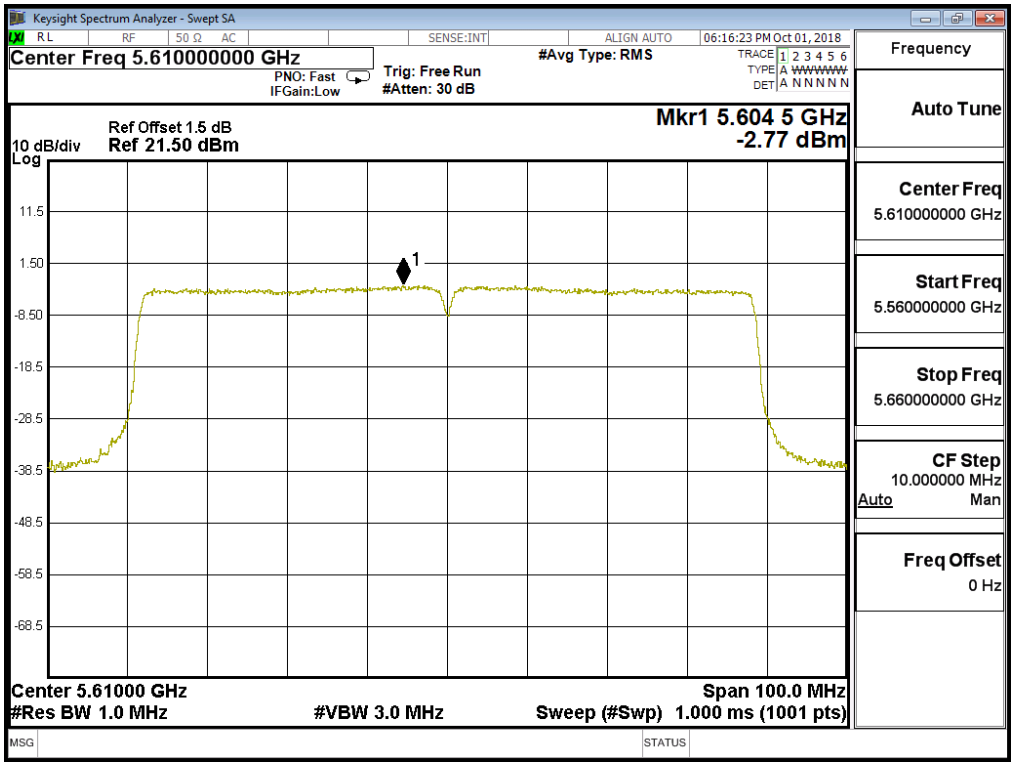
Channel 106 (Chain A)



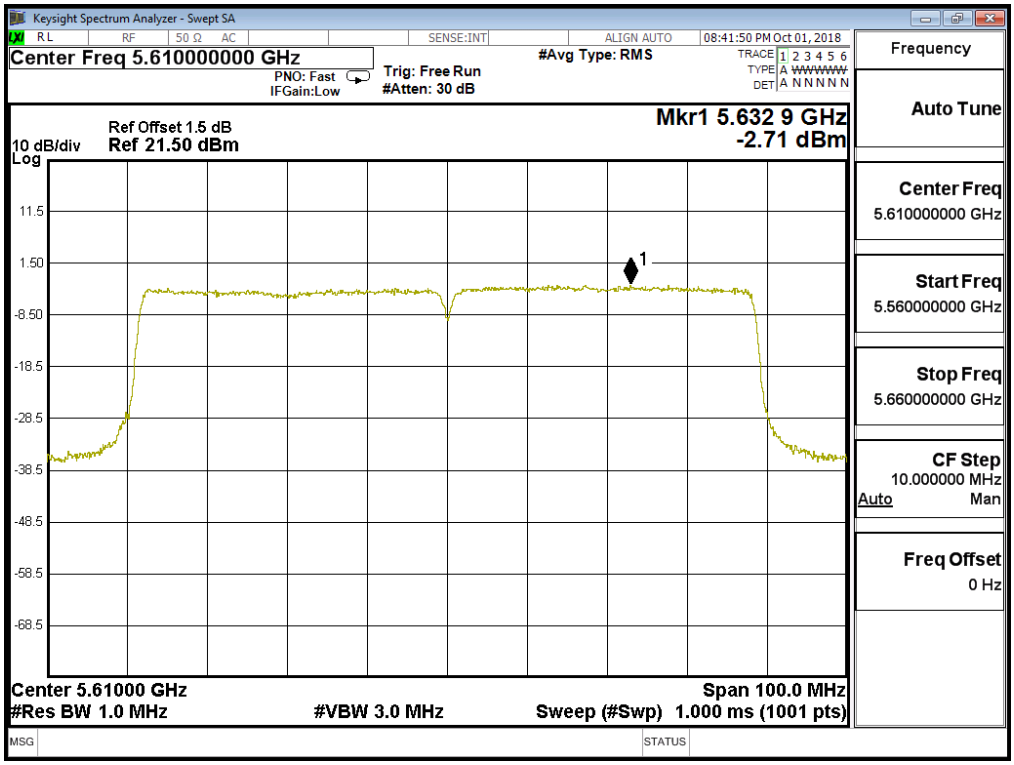
Channel 106 (Chain B)



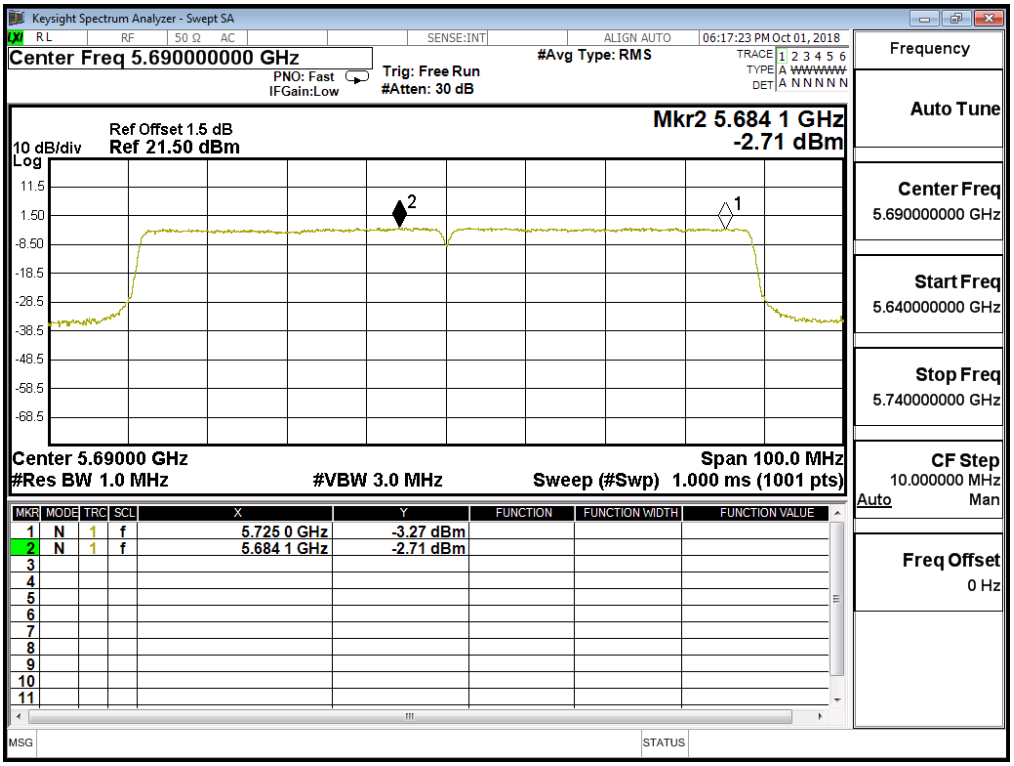
Channel 122 (Chain A)



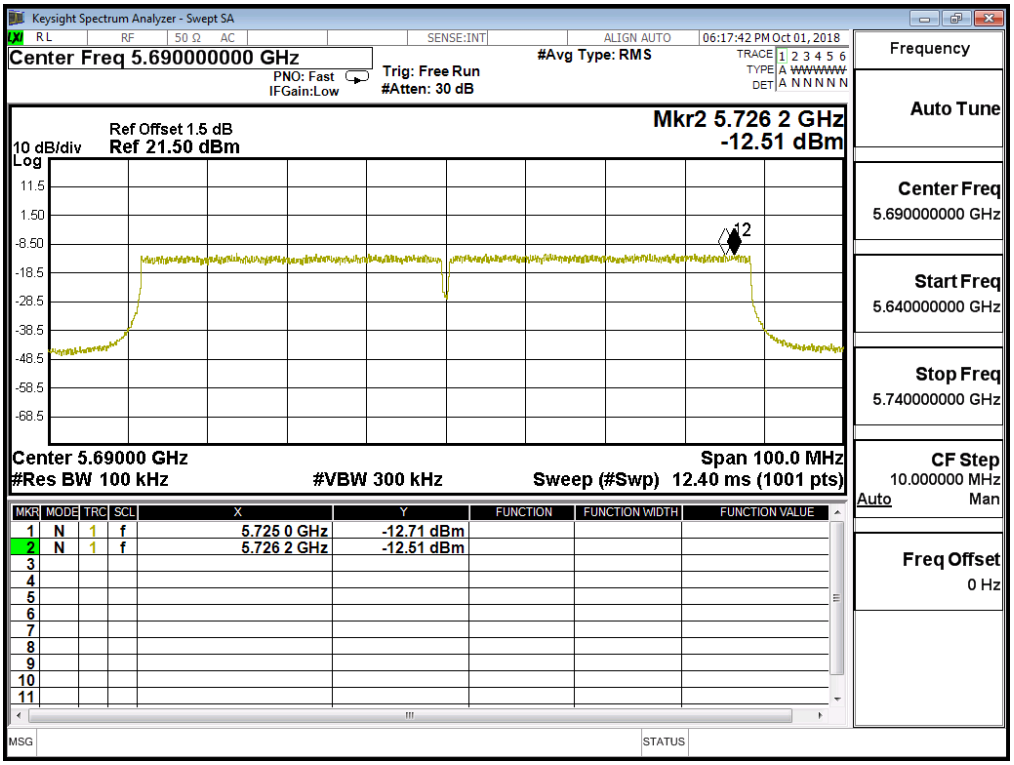
Channel 122 (Chain B)



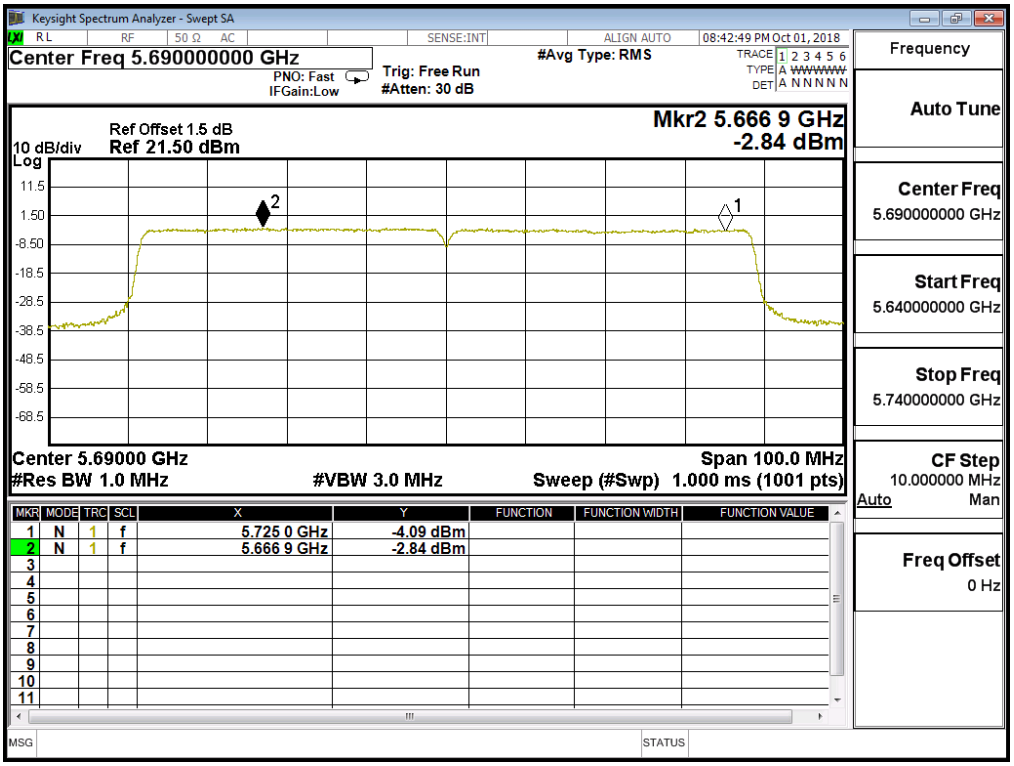
Channel 138 (U-NII-2C) (Chain A)



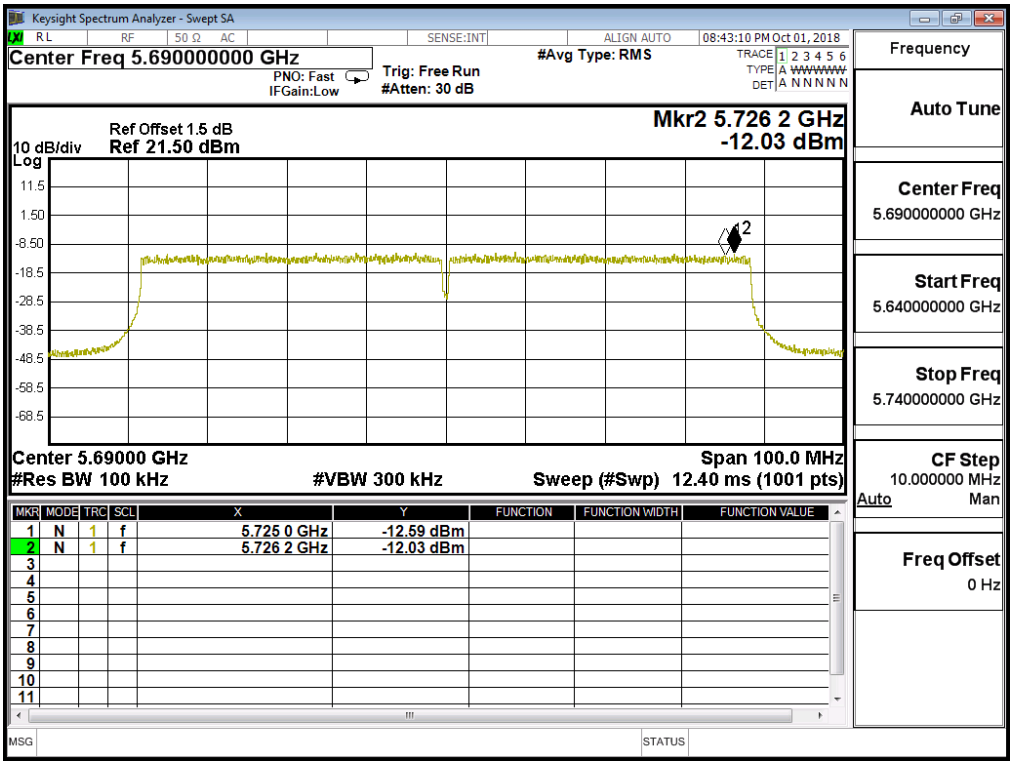
Channel 138 (U-NII-2C) (Chain A)



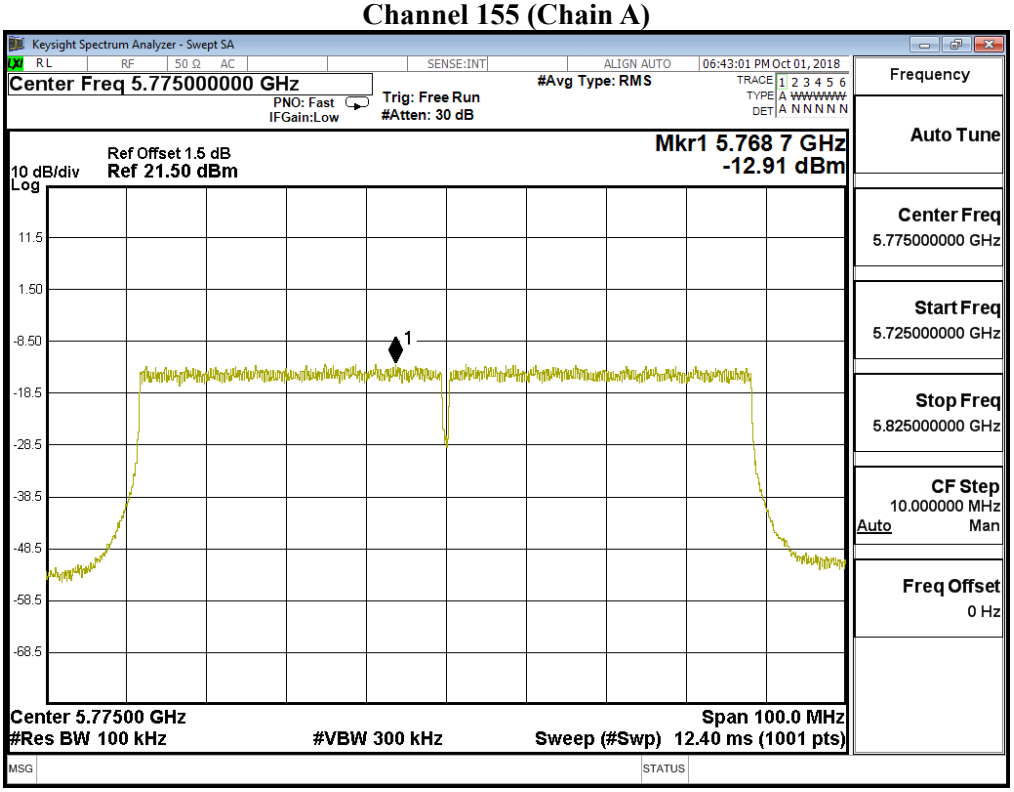
Channel 138 (U-NII-3) (Chain B)



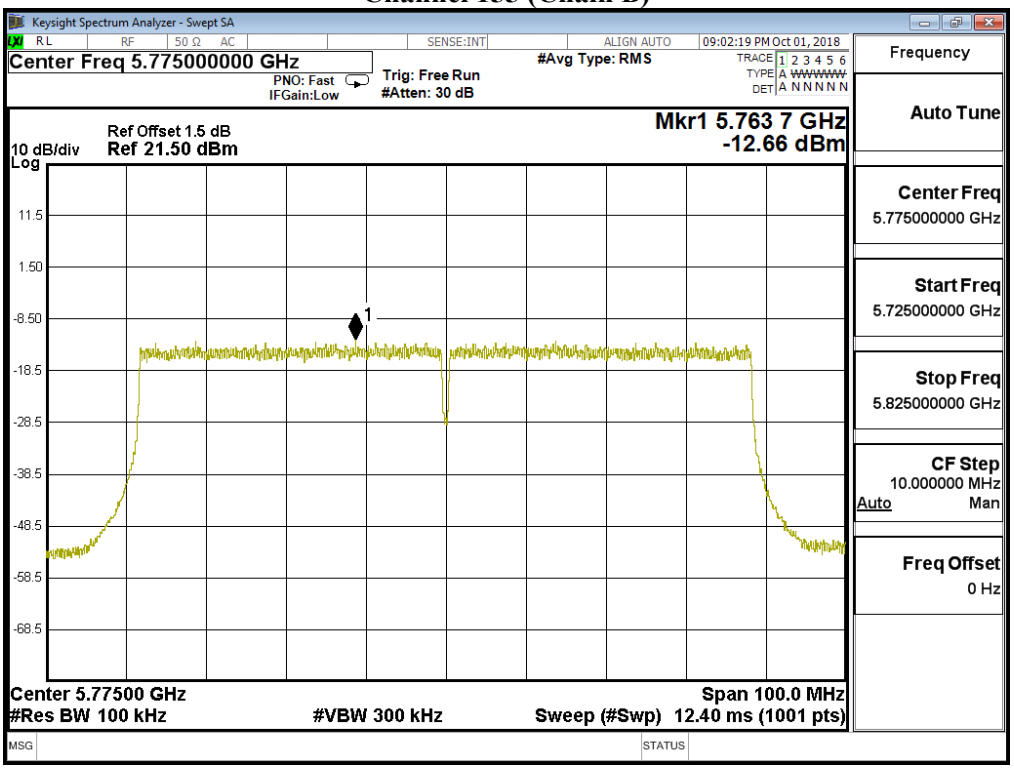
Channel 138 (U-NII-3) (Chain B)



Channel 155 (Chain A)



Channel 155 (Chain B)



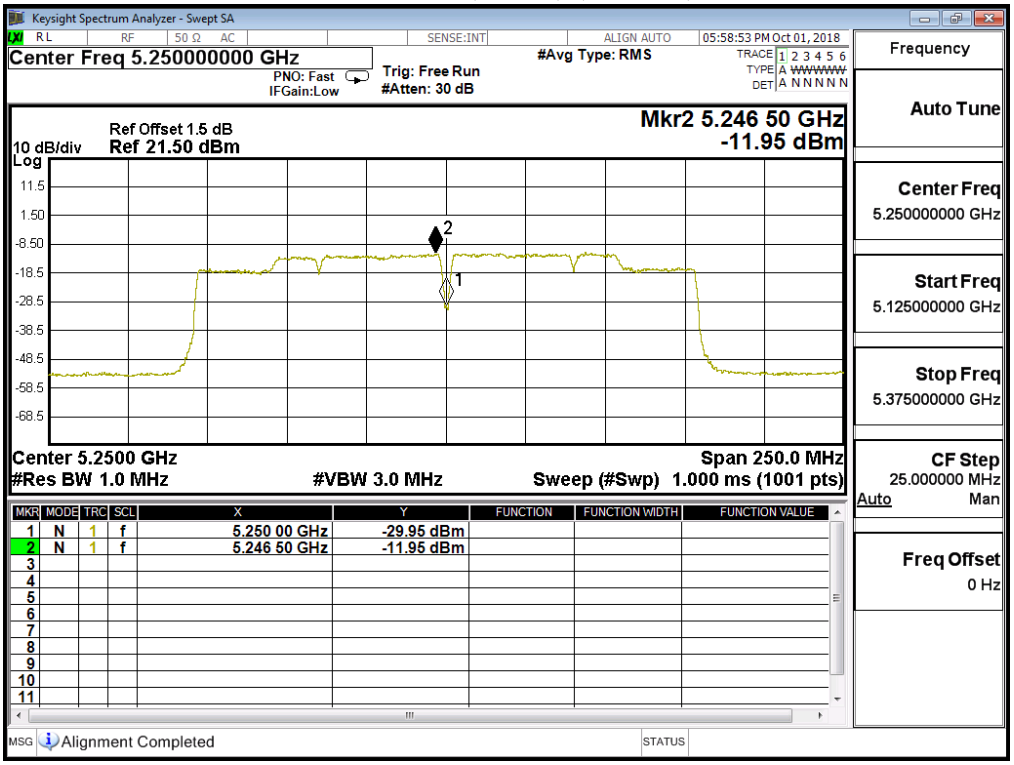
待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 3: MIMO: 發射器 802.11ac-160BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

Channel Number	Frequency (MHz)	Chain (dBm)	PPSD (dBm)	Total PPSD (dBm)	Required Limit (dBm)	Result
50	5250(Band1)	A	-11.950	-8.940	<11	Pass
		B	-12.220	-9.210	<11	Pass
	5250(Band2)	A	-12.130	-9.120	<11	Pass
		B	-11.910	-8.900	<11	Pass
114	5570	A	-12.210	-9.200	<11	Pass
		B	-12.130	-9.120	<11	Pass

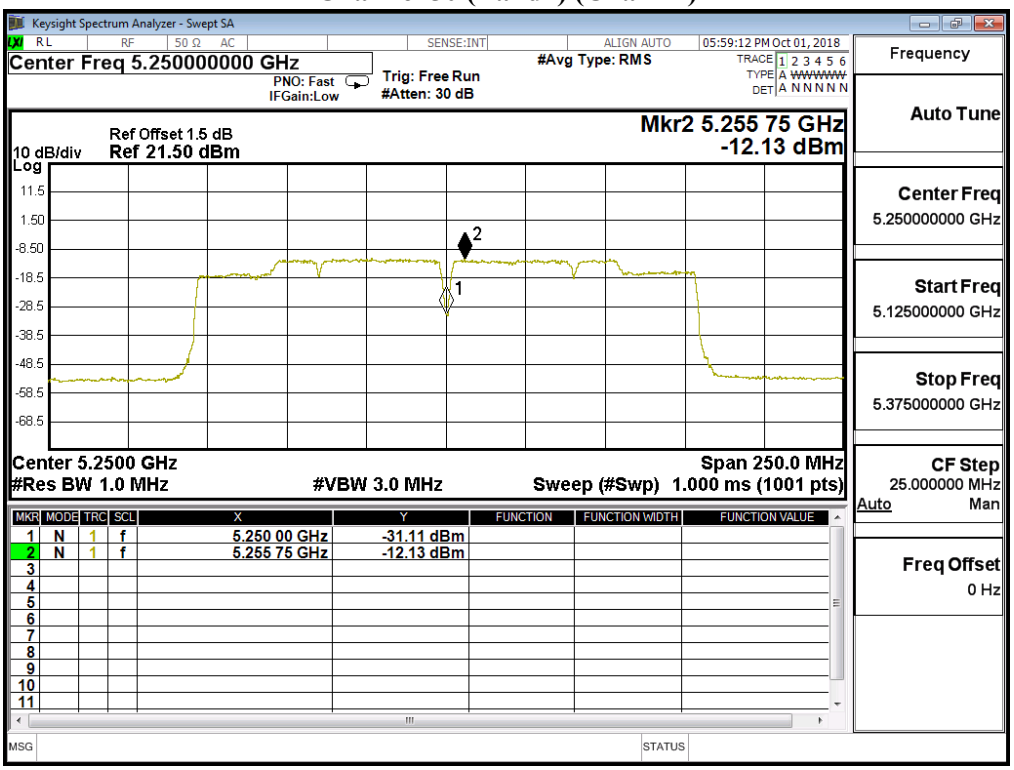
Note:

The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

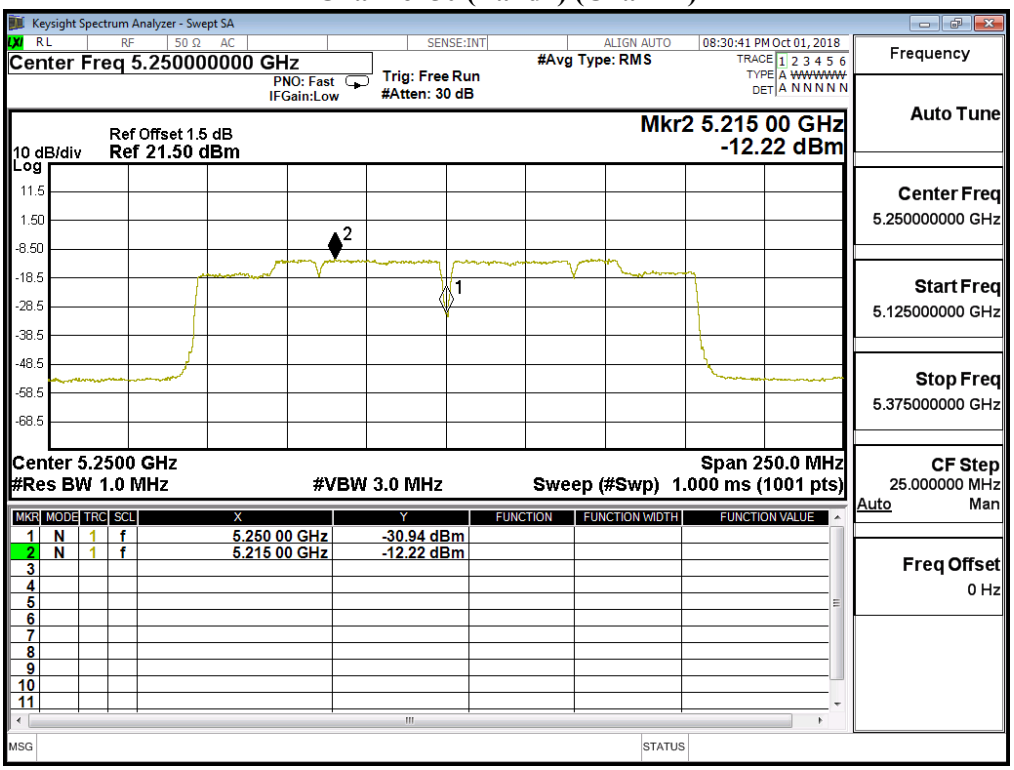
Channel 50 (Band1) (Chain A)



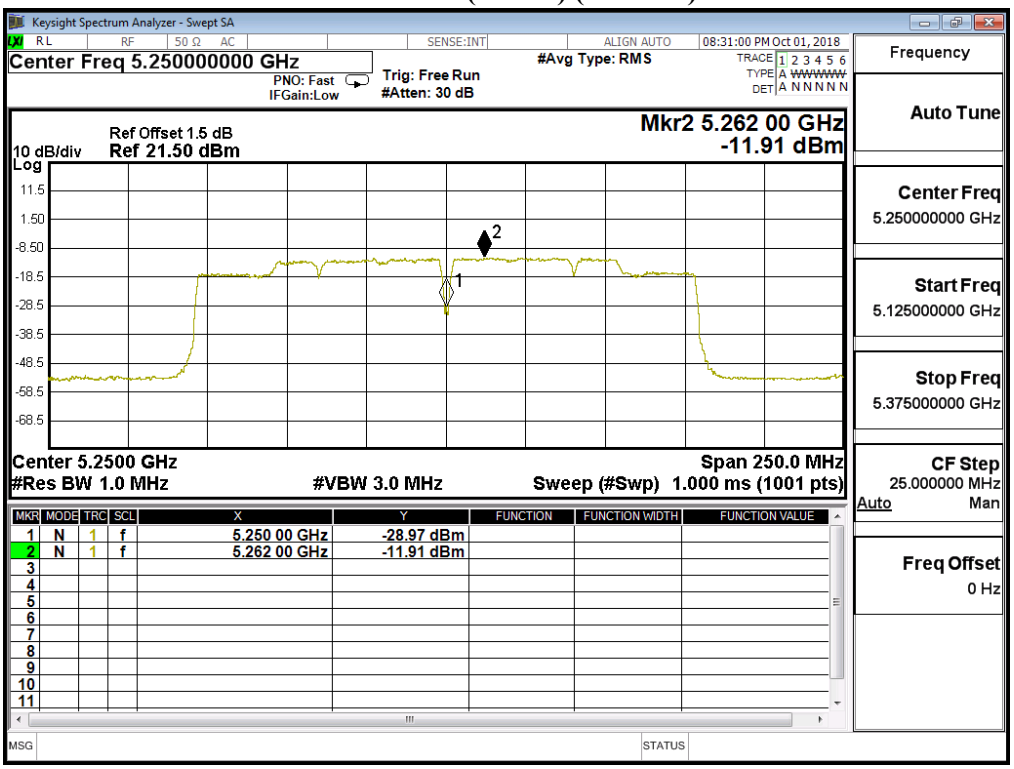
Channel 50 (Band1) (Chain A)



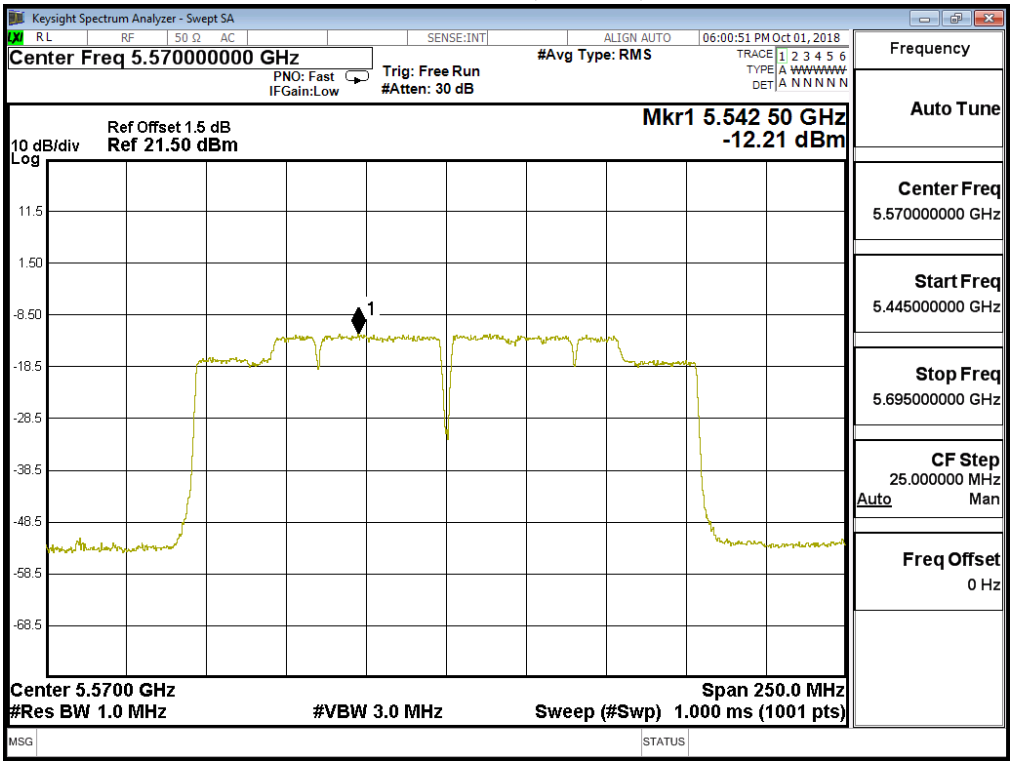
Channel 50 (Band2) (Chain B)



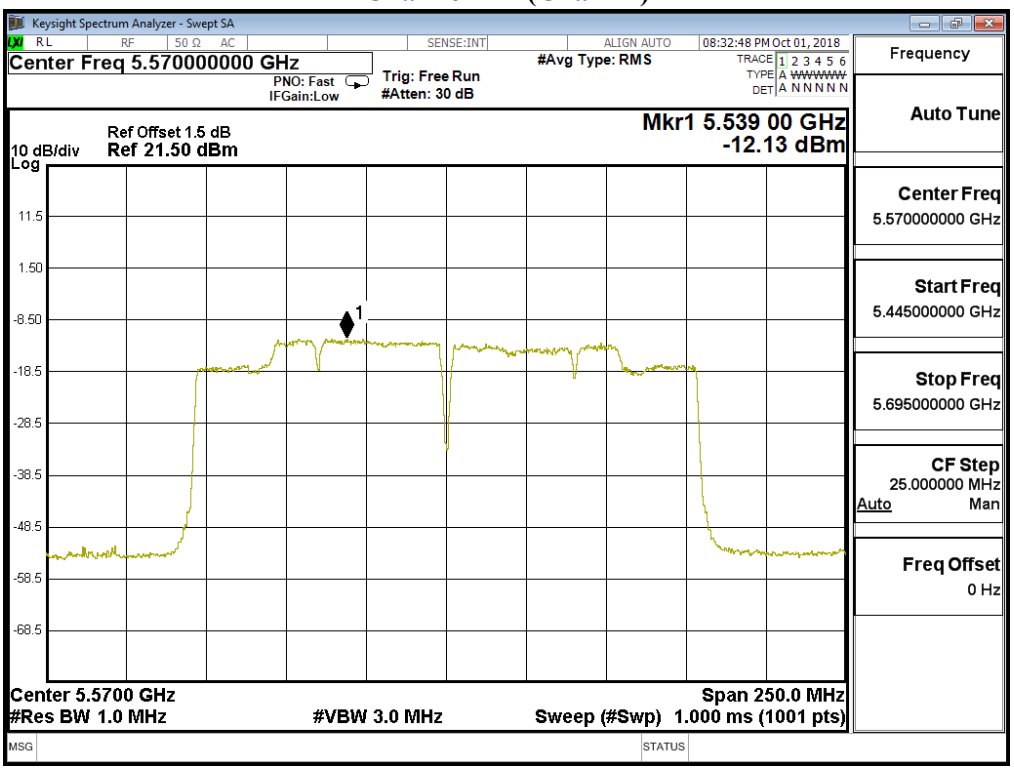
Channel 50 (Band2) (Chain B)



Channel 114 (Chain A)



Channel 114 (Chain B)

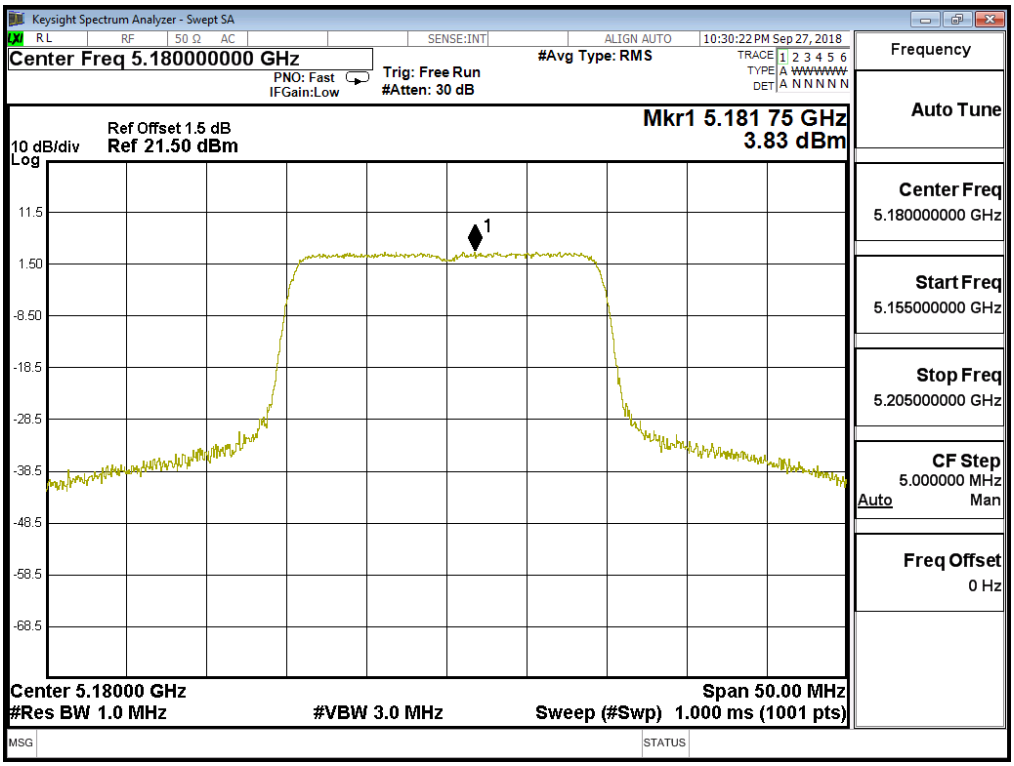


待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 1: SISO A: 發射器 802.11ax-20BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

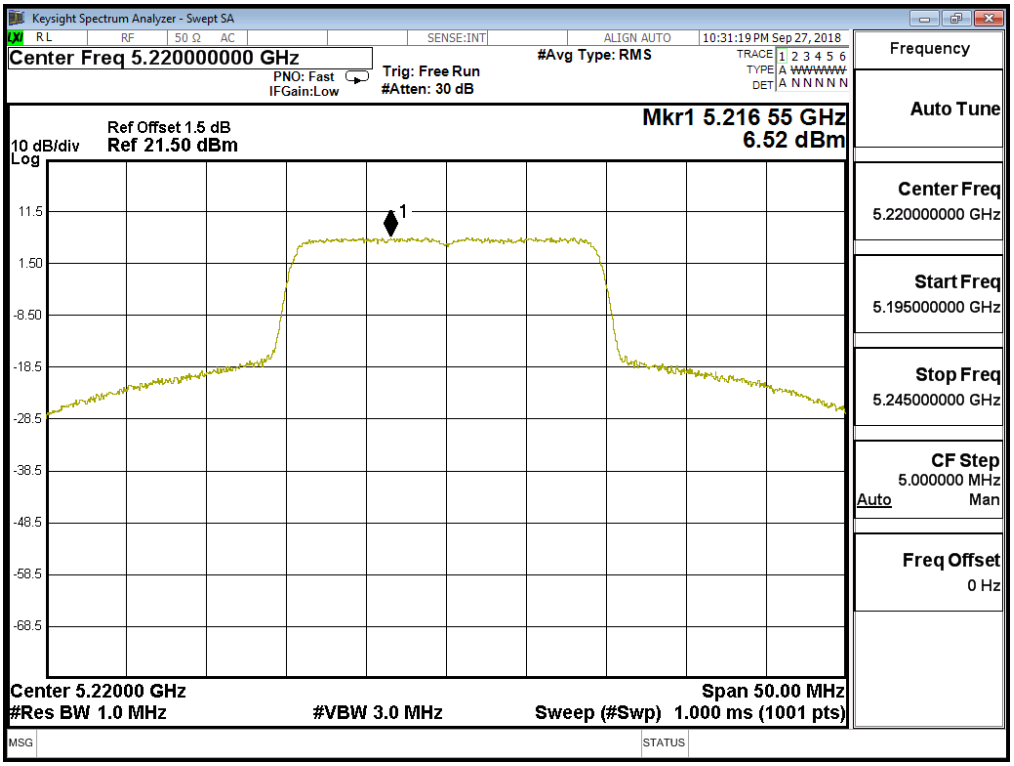
Channel Number	Frequency (MHz)	PPSD (dBm)	Required Limit (dBm)	Result
36	5180	3.830	<11	Pass
44	5220	6.520	<11	Pass
48	5240	6.280	<11	Pass
52	5260	6.780	<11	Pass
60	5300	5.630	<11	Pass
64	5320	2.530	<11	Pass
100	5500	3.370	<11	Pass
116	5580	7.300	<11	Pass
140	5700	3.650	<11	Pass

Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
144(U-NII-2C)	5720	6.560	--	6.560	<11	Pass
144(U-NII-3)	5720	-3.420	6.98	3.560	<30	Pass
149	5745	-2.380	6.980	4.600	<30	Pass
157	5785	-2.150	6.980	4.830	<30	Pass
165	5825	-2.240	6.980	4.740	<30	Pass

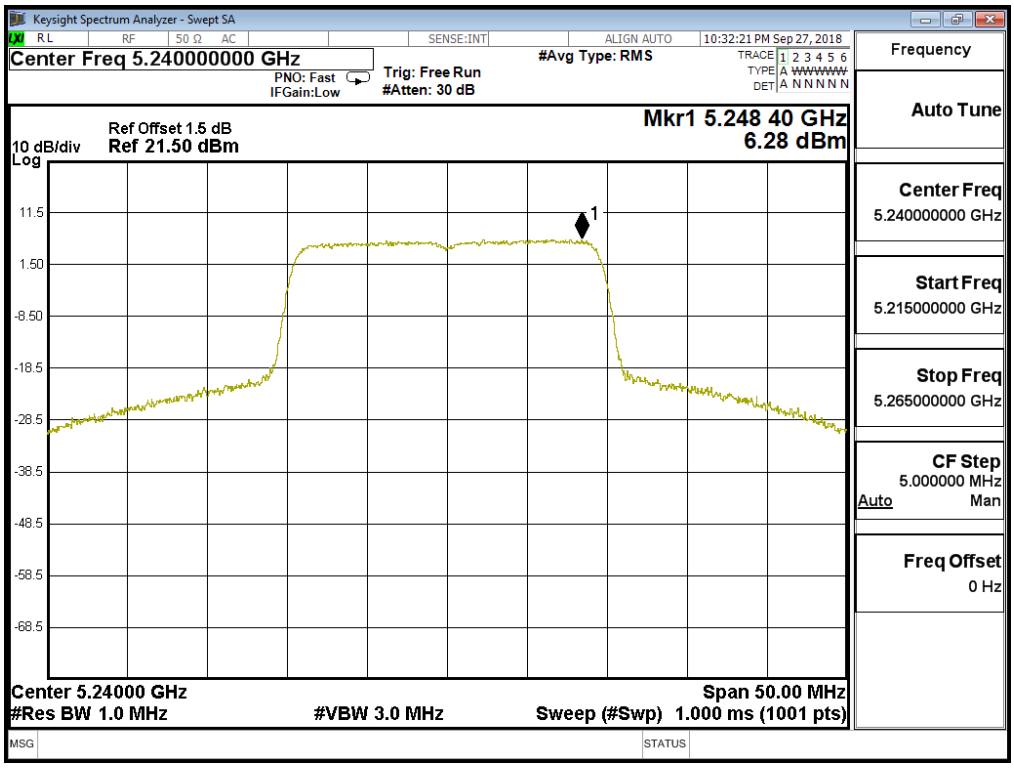
Channel 36



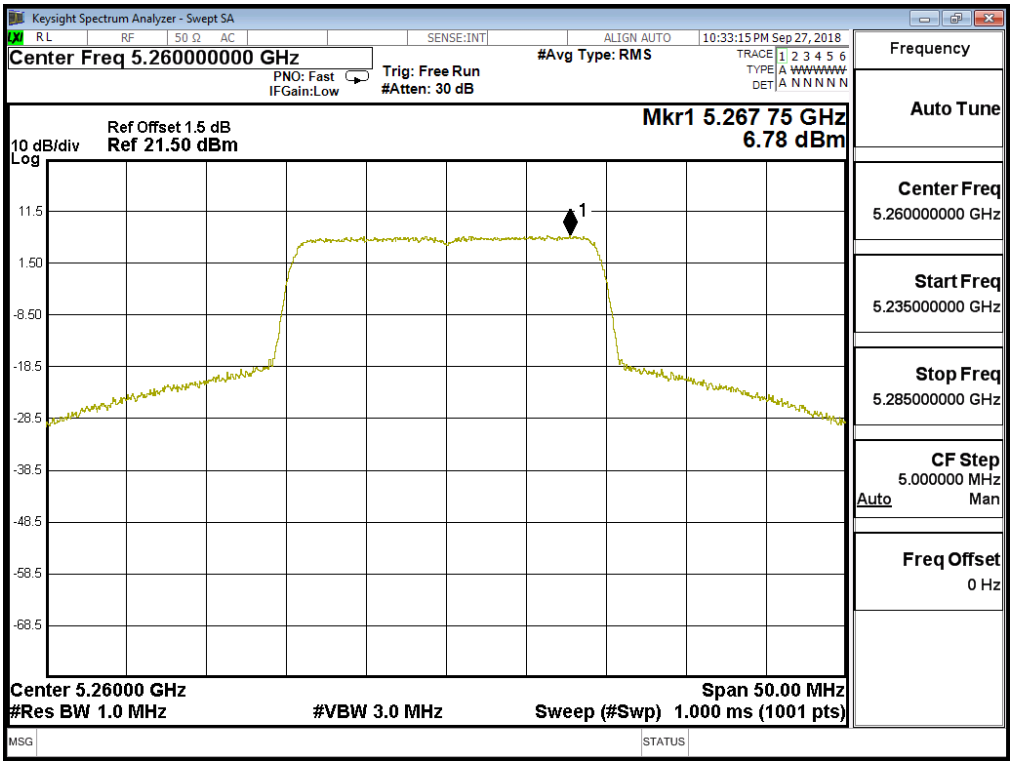
Channel 44



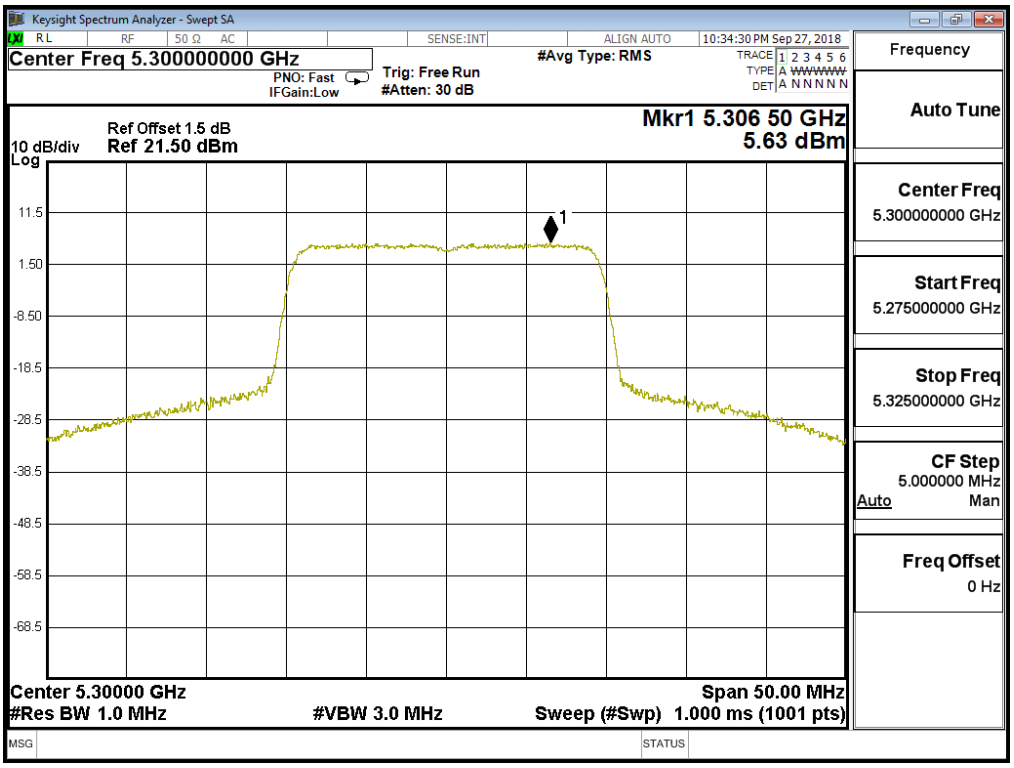
Channel 48



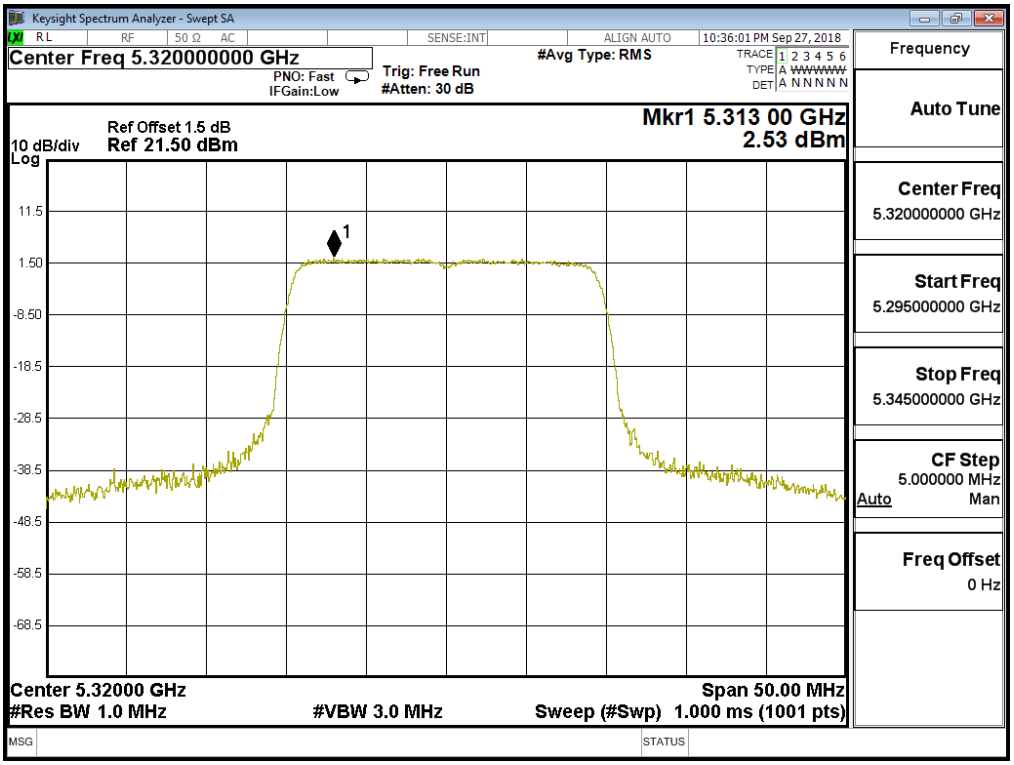
Channel 52



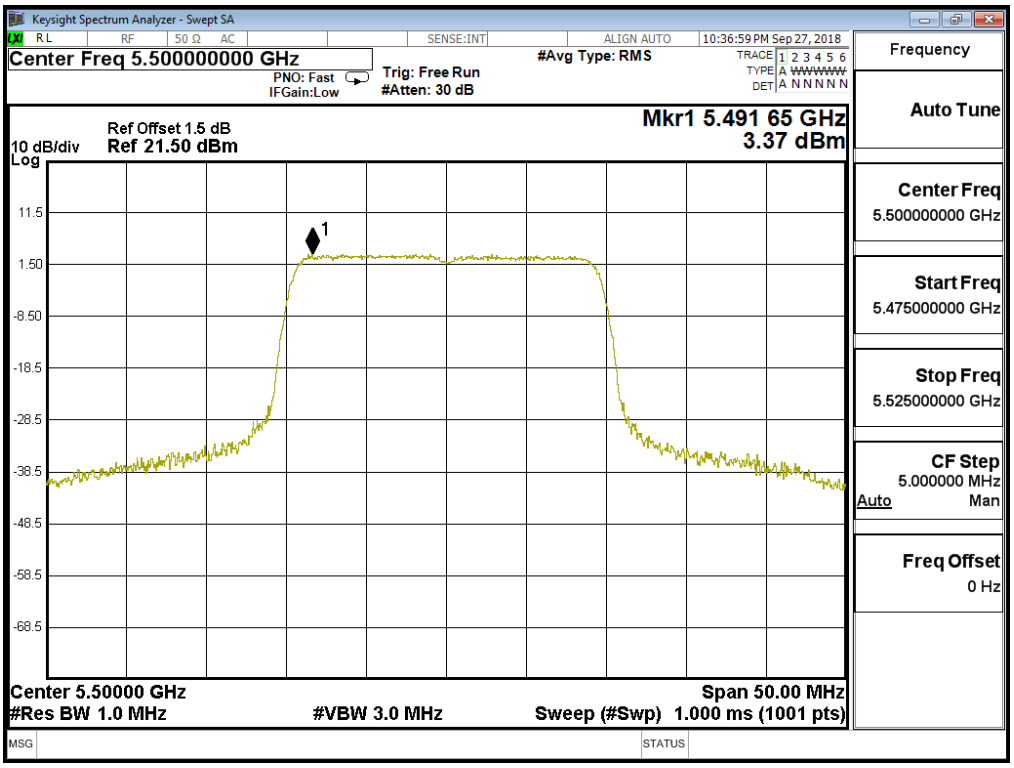
Channel 60



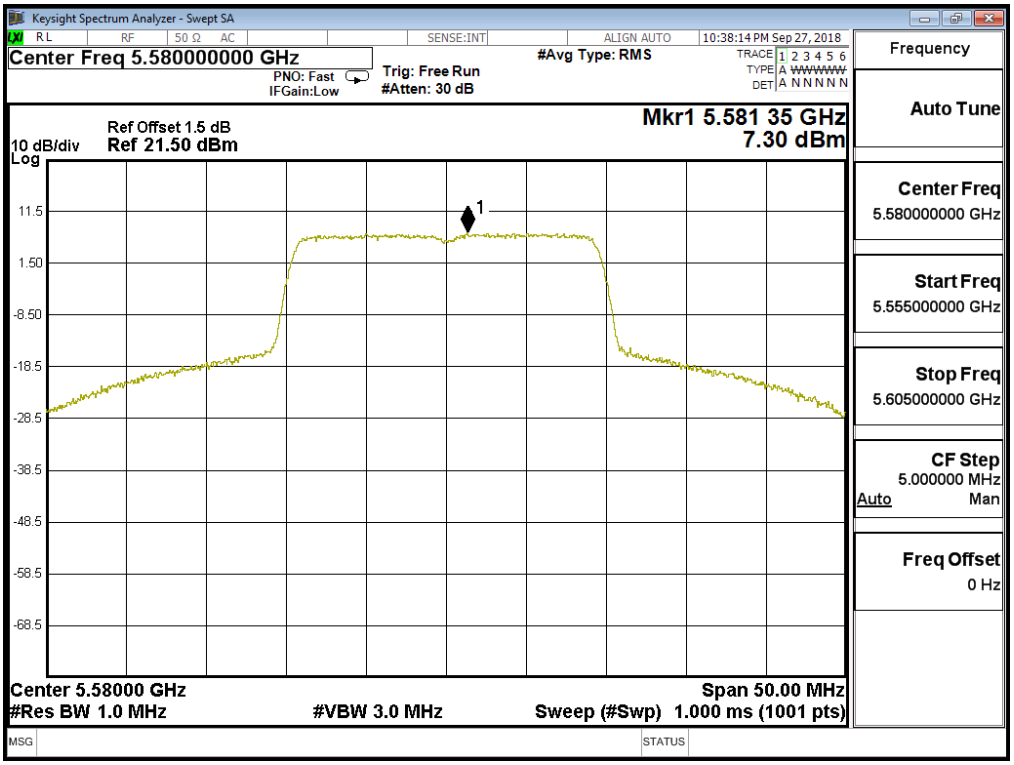
Channel 64



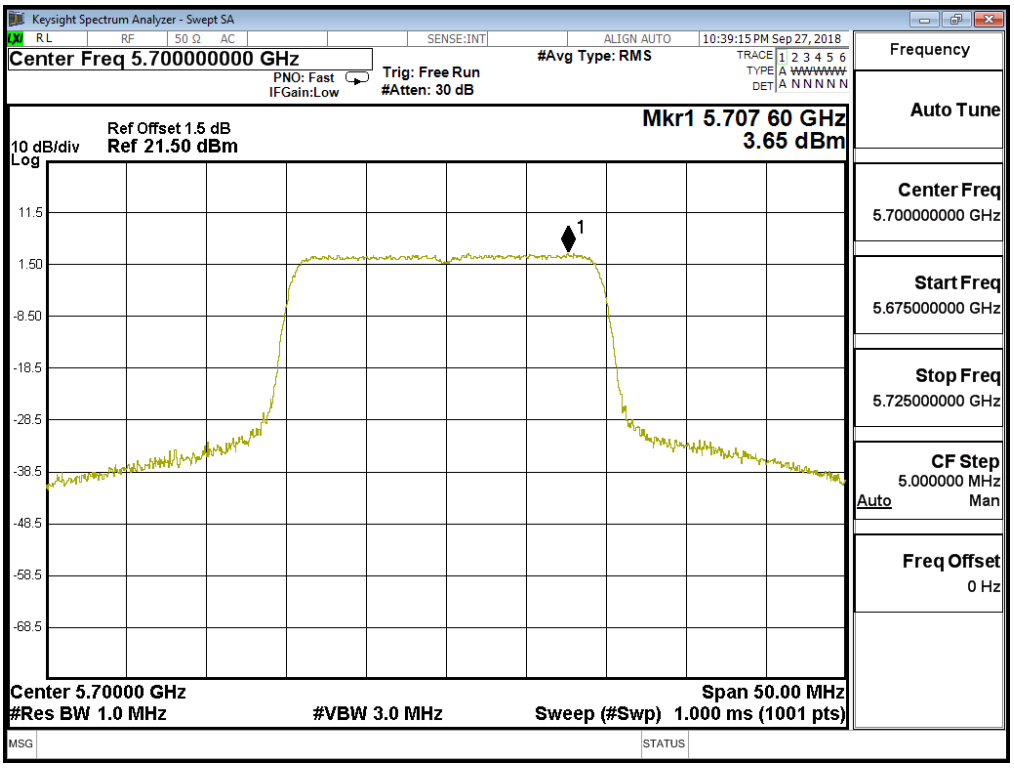
Channel 100



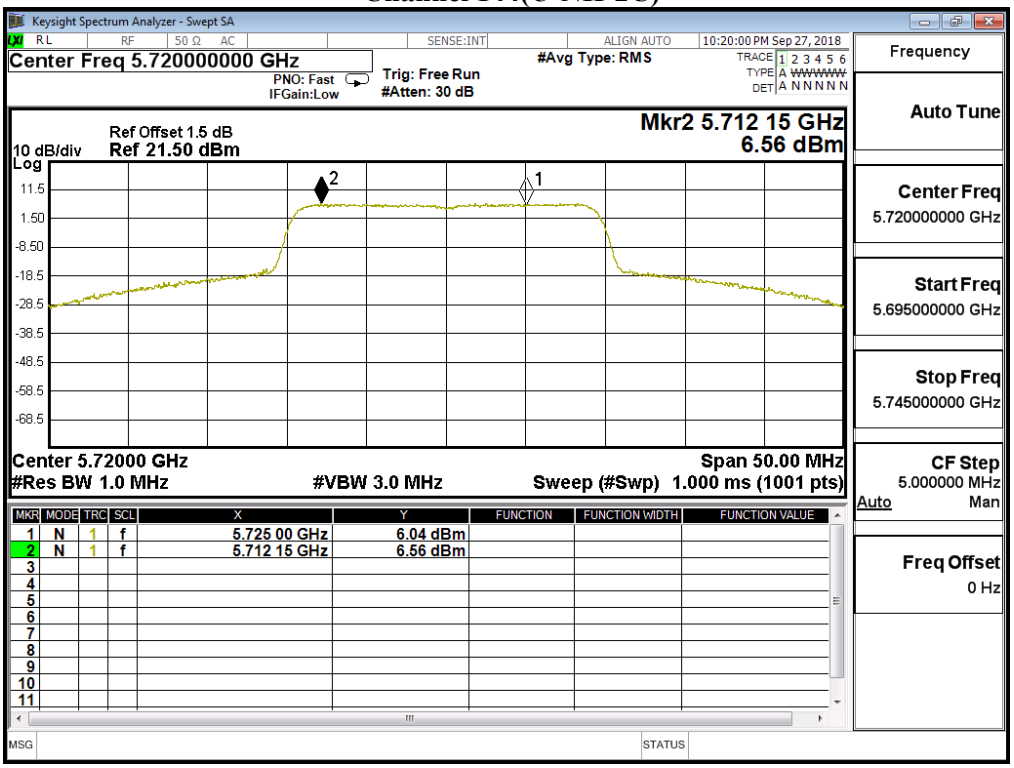
Channel 116



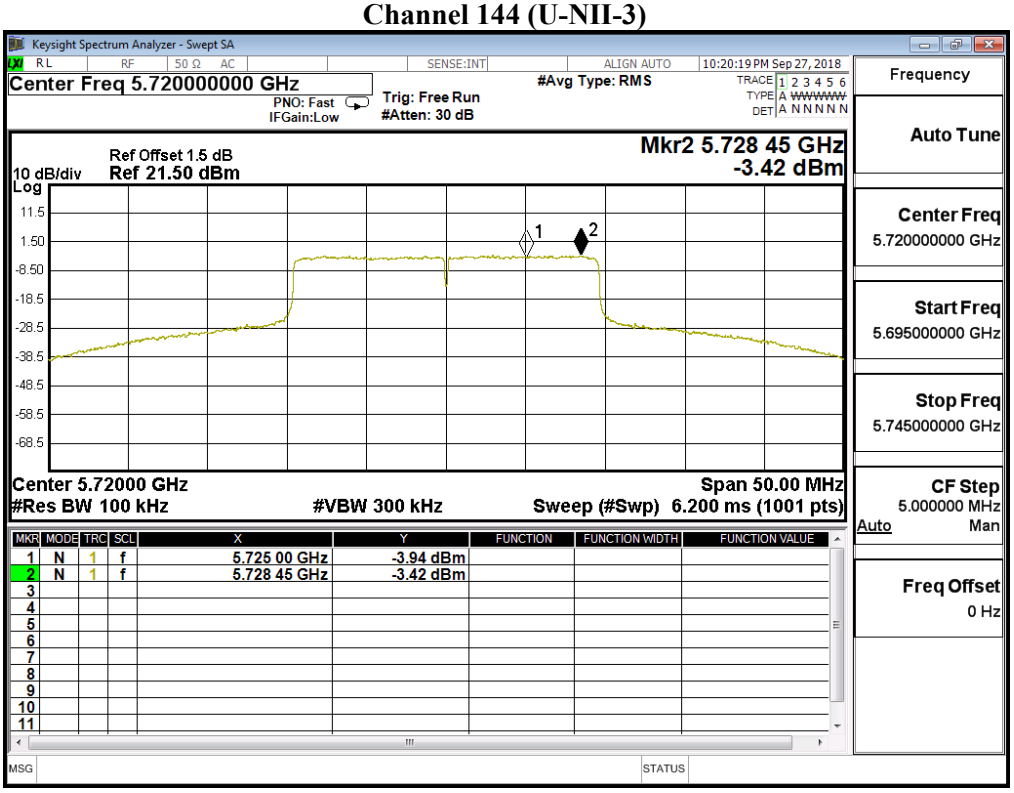
Channel 140



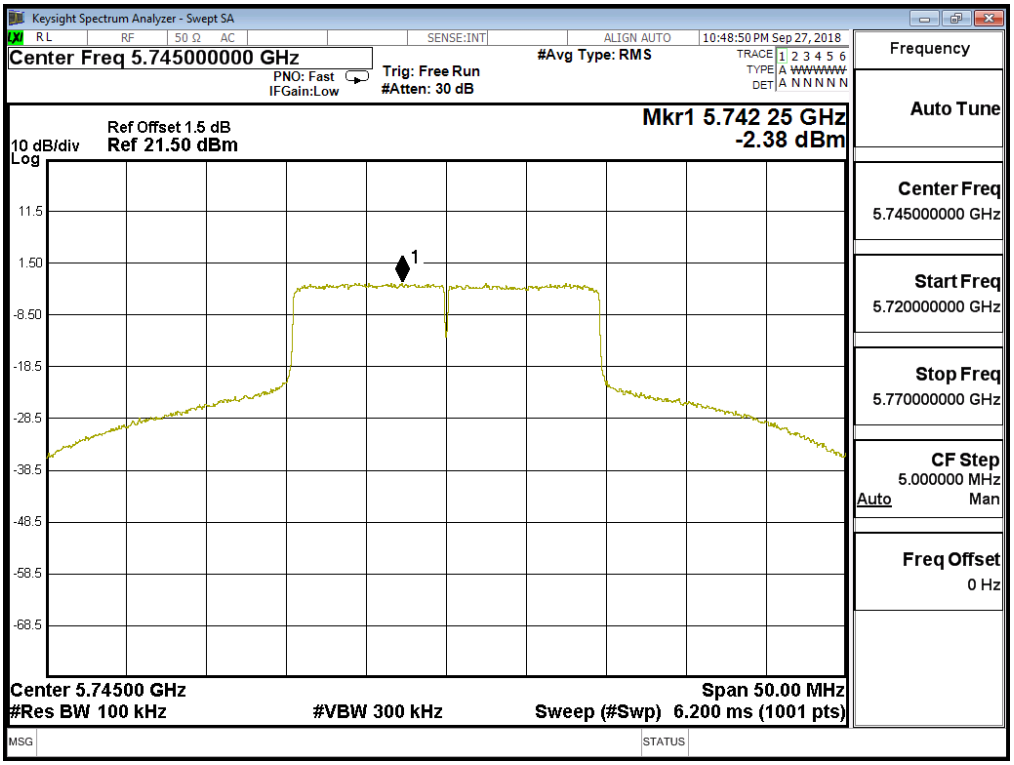
Channel 144(U-NII-2C)



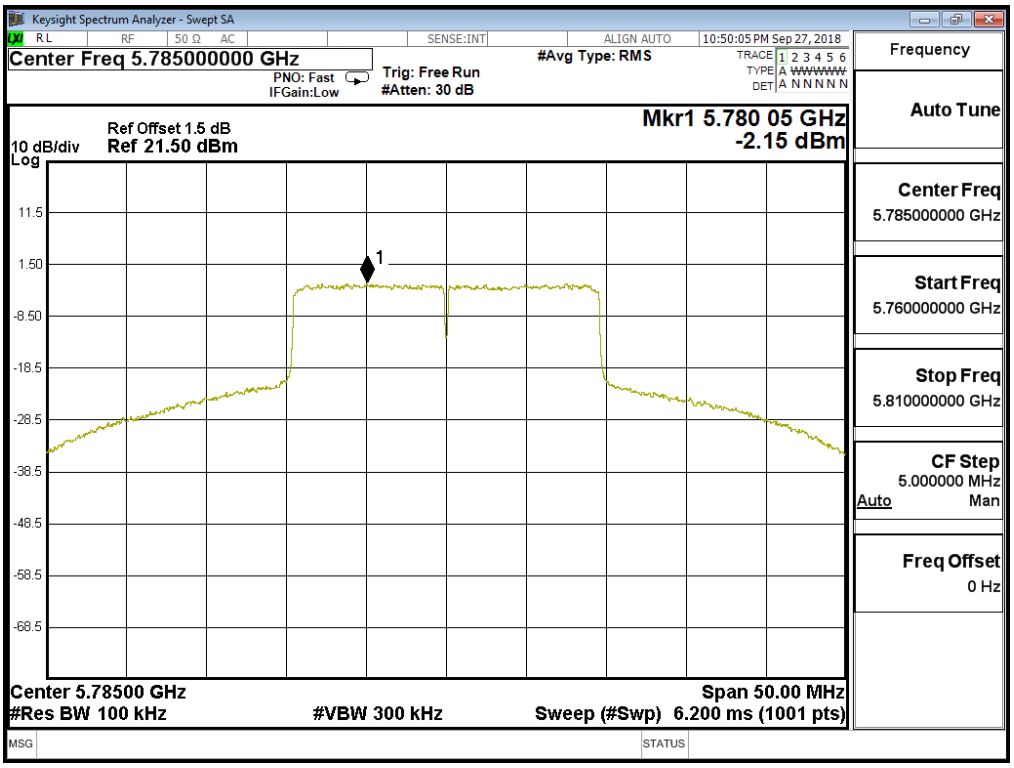
Channel 144 (U-NII-3)



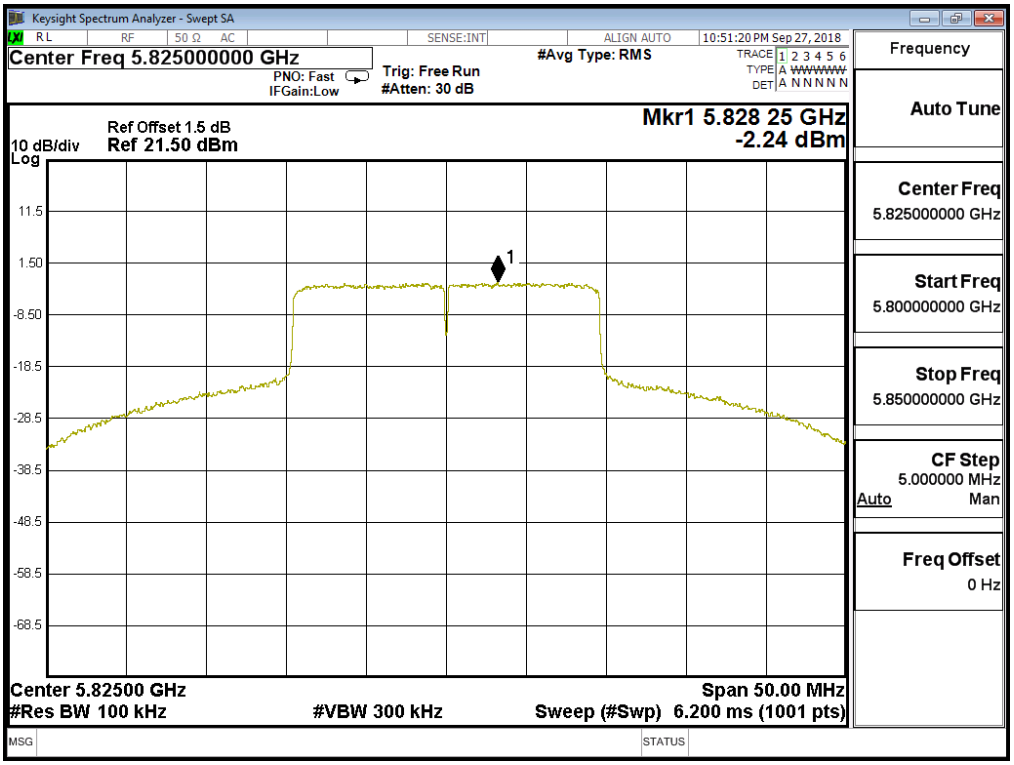
Channel 149



Channel 157



Channel 165

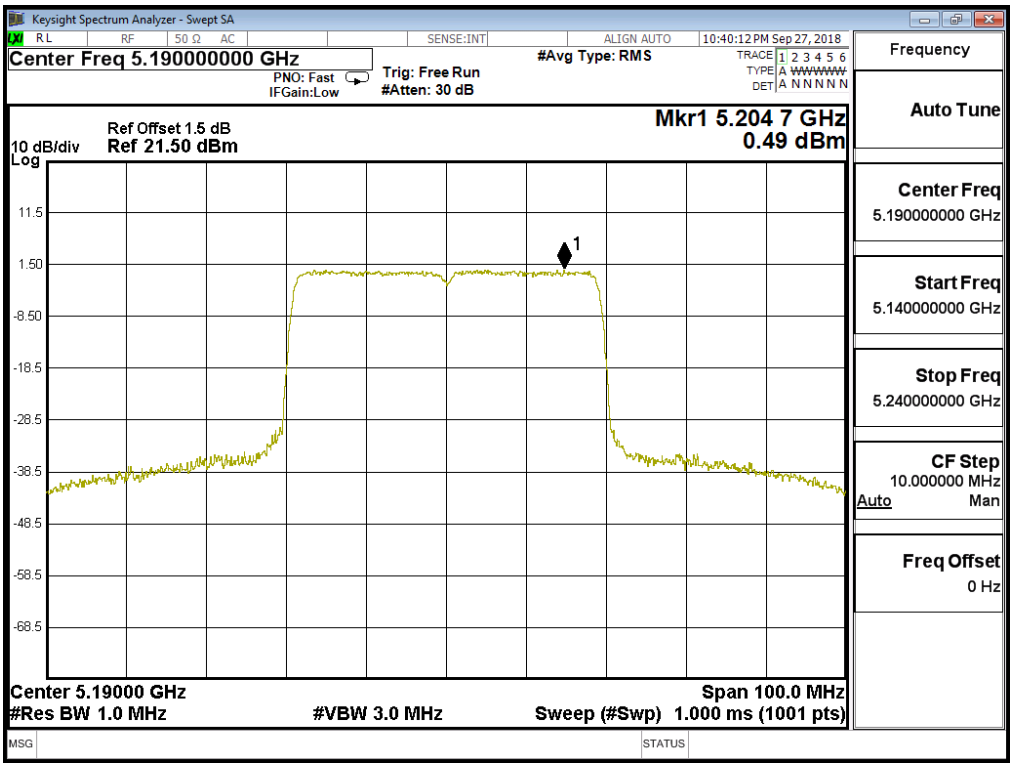


待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 1: SISO A: 發射器 802.11ax-40BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

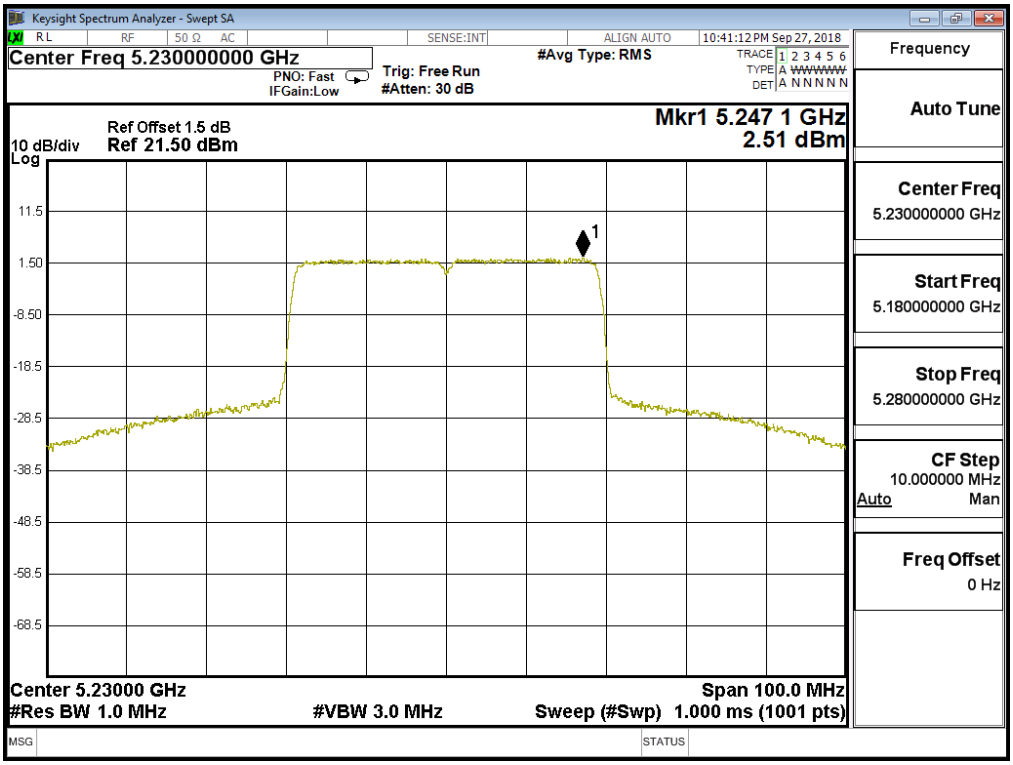
Channel Number	Frequency (MHz)	Total PPSD (dBm)	Required Limit (dBm)	Result
38	5190	0.490	<11	Pass
46	5230	2.510	<11	Pass
54	5270	2.690	<11	Pass
62	5310	-0.420	<11	Pass
102	5510	0.010	<11	Pass
110	5550	3.670	<11	Pass
134	5670	2.600	<11	Pass

Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
142(U-NII-2C)	5710	3.170	--	3.170	<11	Pass
142(U-NII-3)	5710	-6.790	6.98	0.190	<30	Pass
151	5755	-4.790	6.980	2.190	<30	Pass
159	5795	-5.040	6.980	1.940	<30	Pass

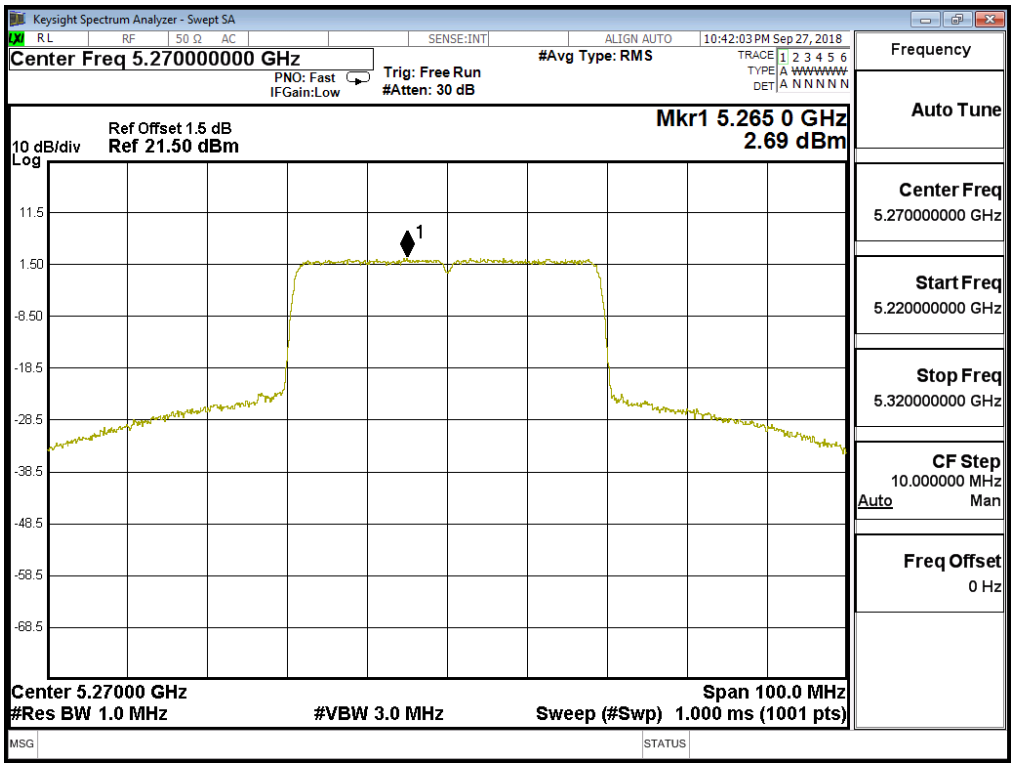
Channel 38



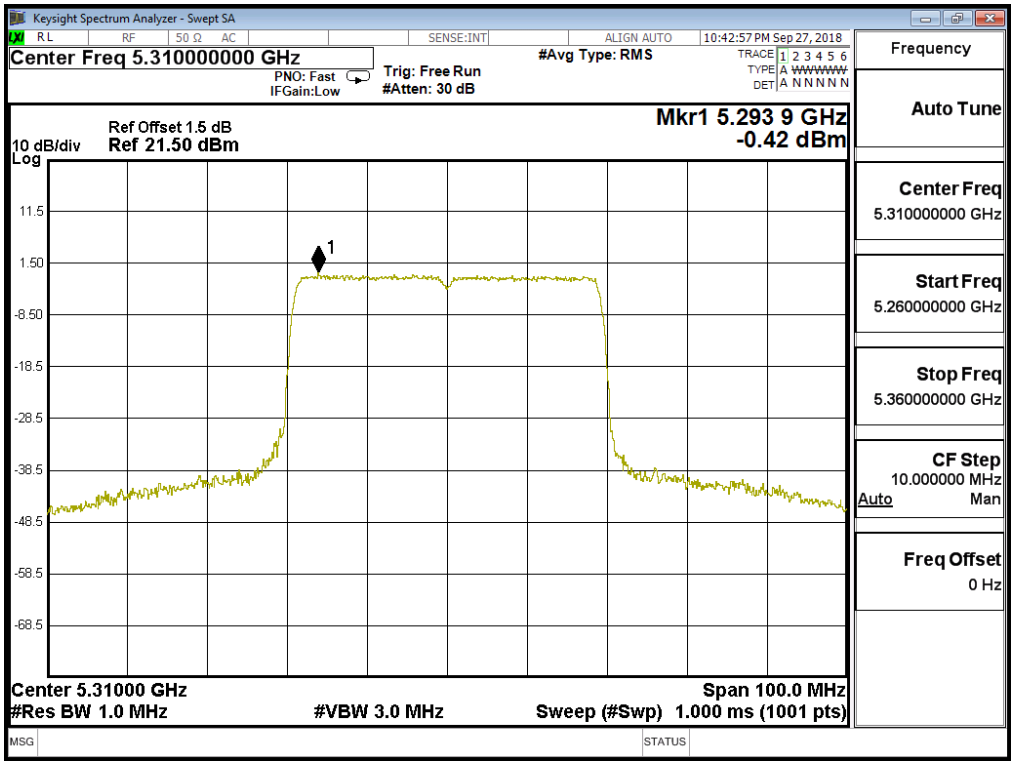
Channel 46



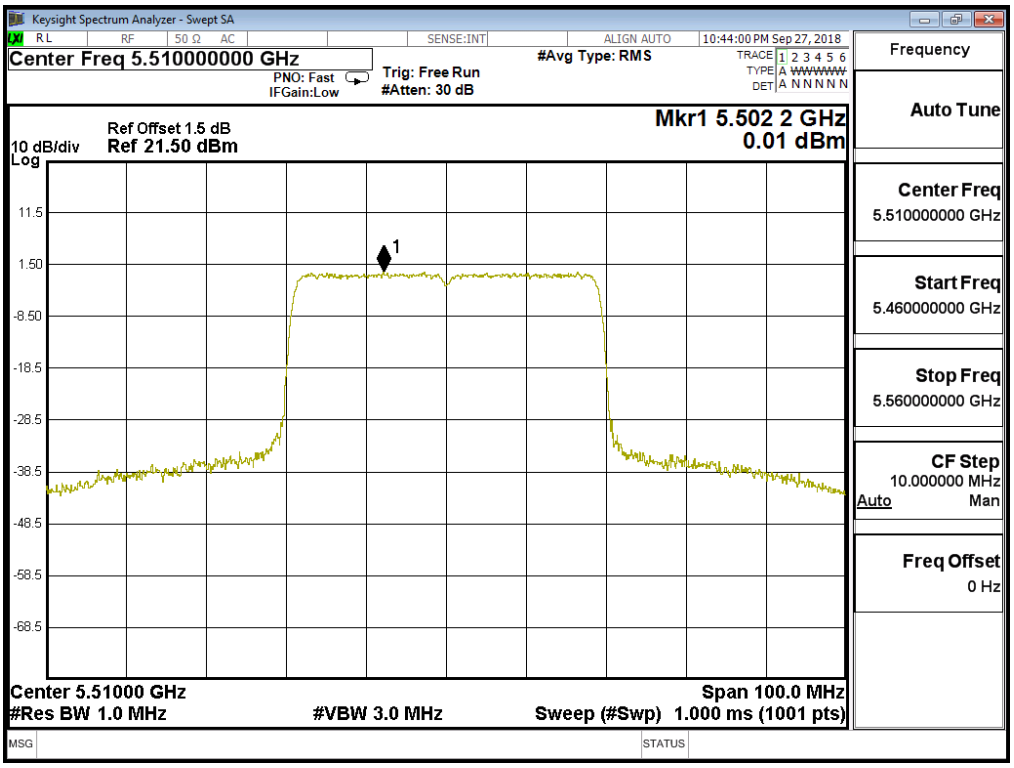
Channel 54



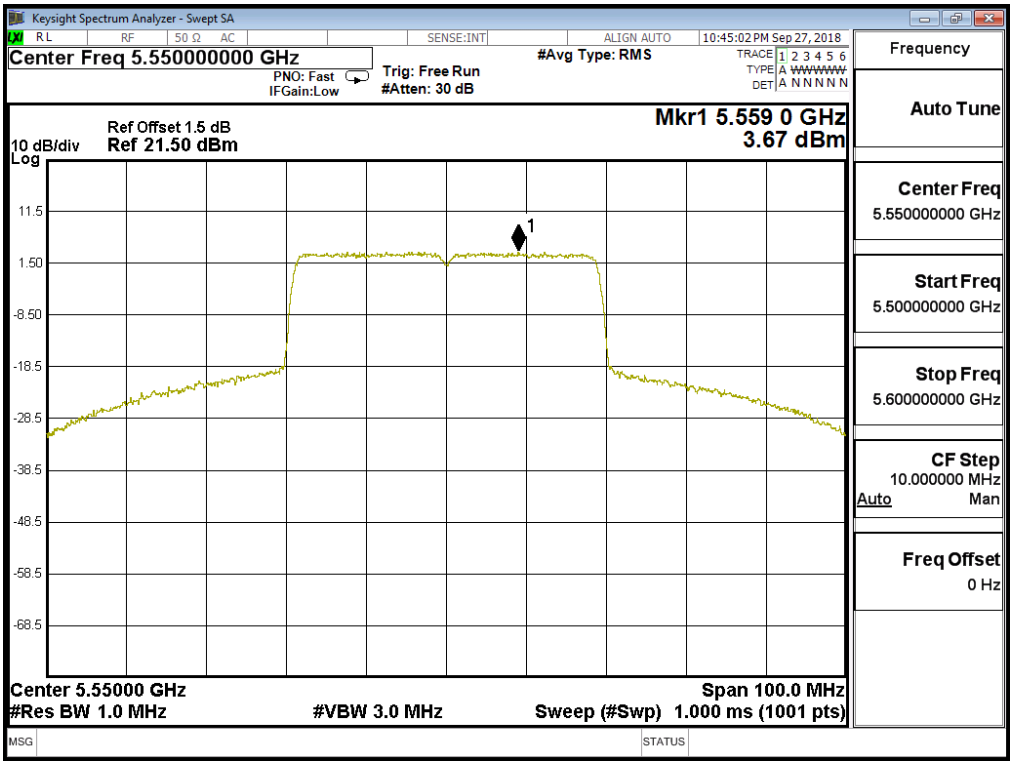
Channel 62



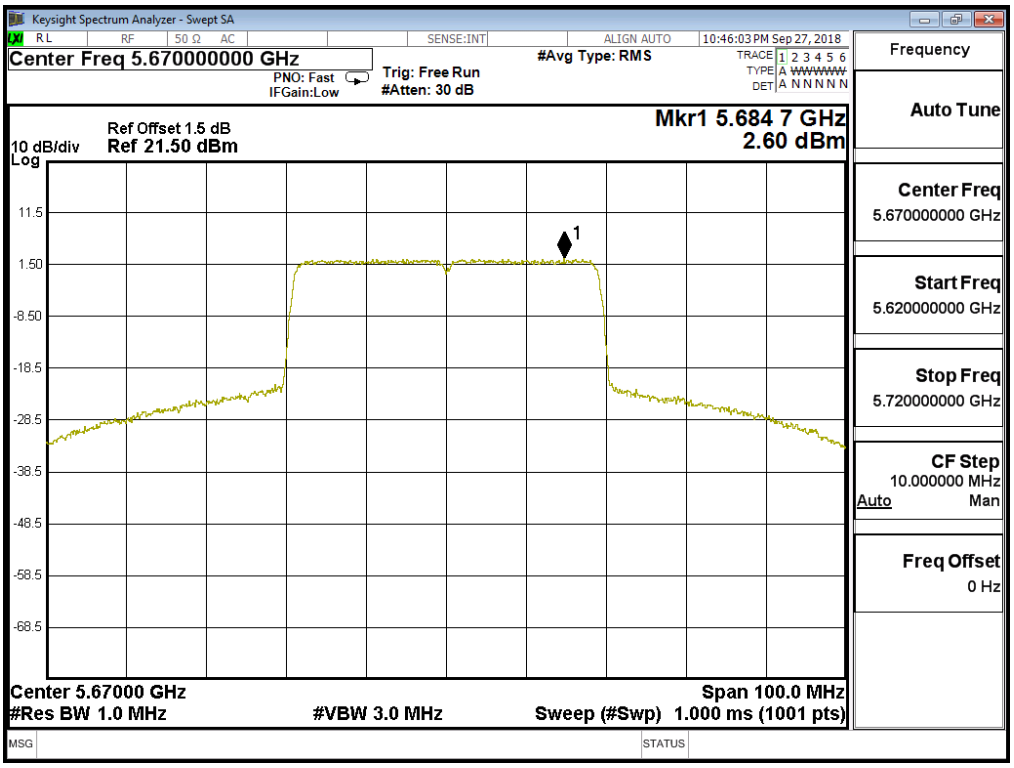
Channel 102



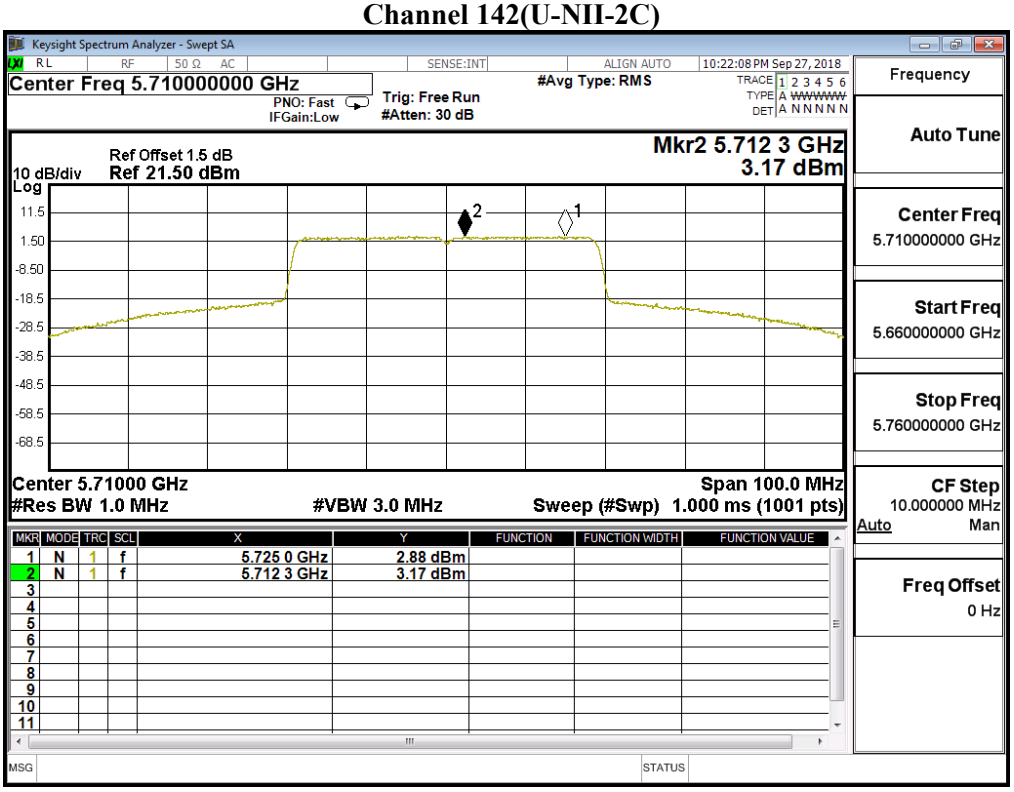
Channel 110



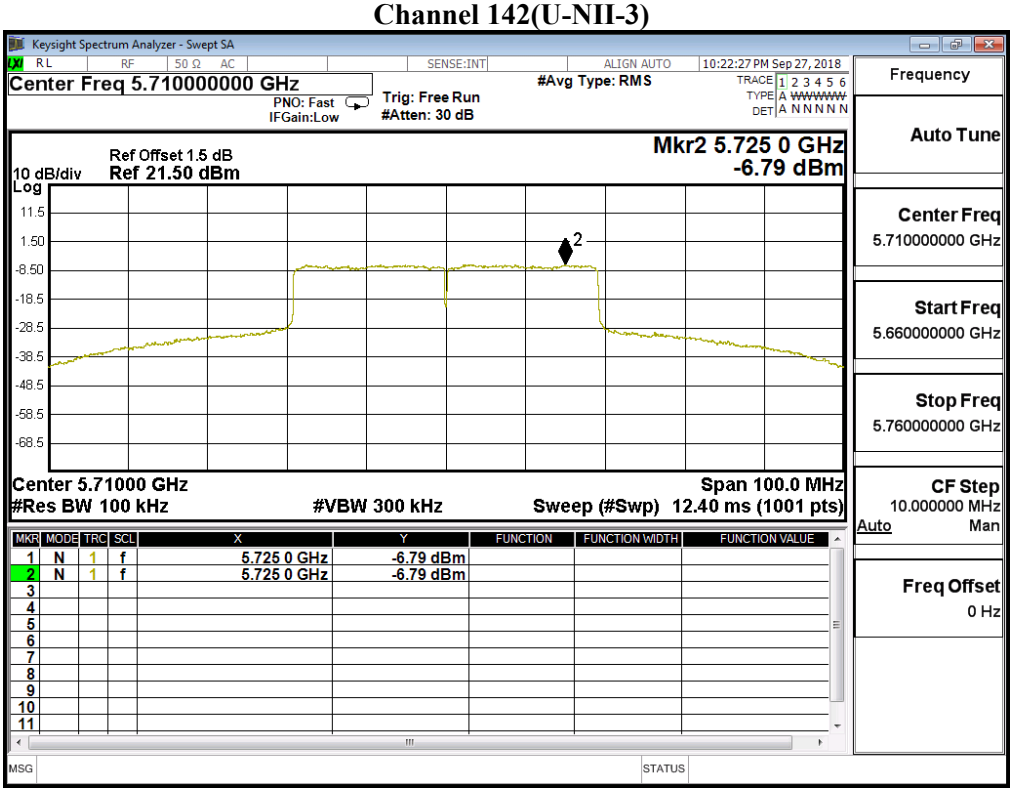
Channel 134



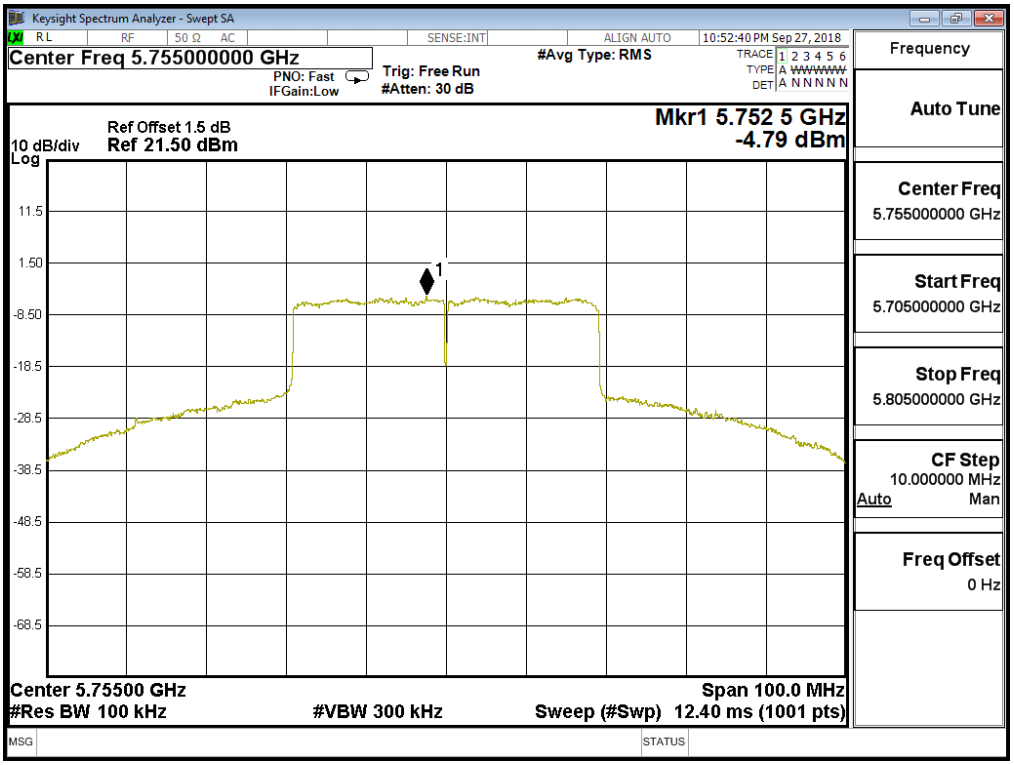
Channel 142(U-NII-2C)



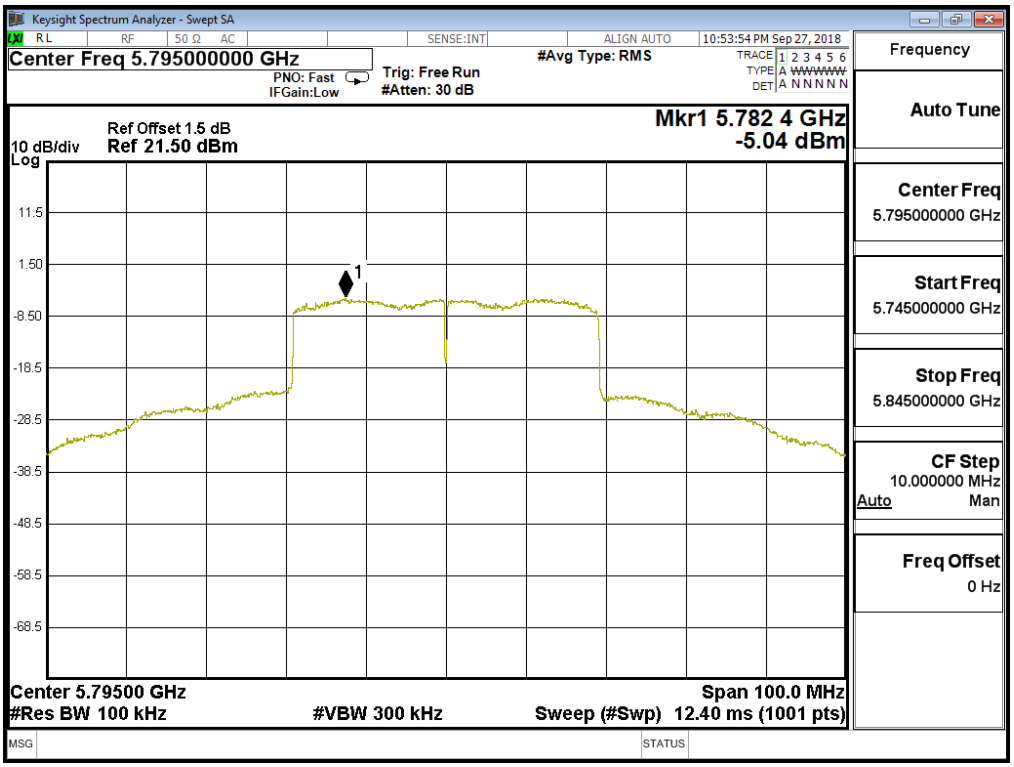
Channel 142(U-NII-3)



Channel 151



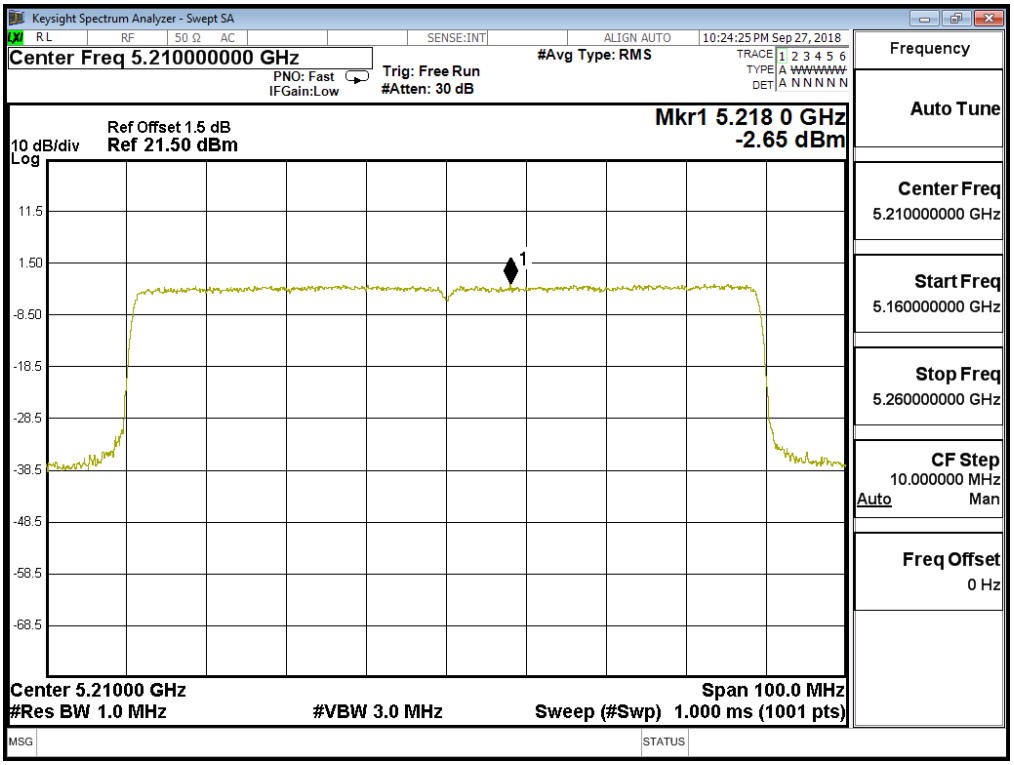
Channel 159


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
10:53:54 PM Sep 27, 2018
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
Log
Mkr1 5.782 4 GHz
-5.04 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep (#Swp) 12.40 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.745000000 GHz
Stop Freq
5.845000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

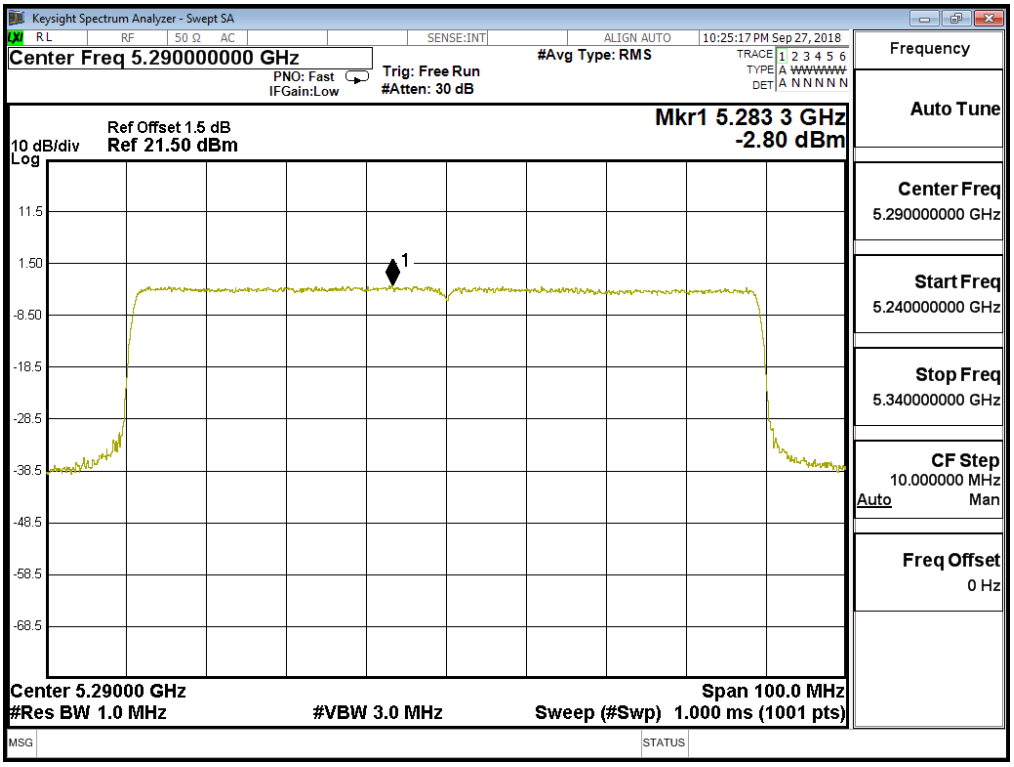
待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 1: SISO A: 發射器 802.11ax-80BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
42	5210	-2.650	--	-2.650	<11	Pass
58	5290	-2.800	--	-2.800	<11	Pass
106	5530	-2.980	--	-2.980	<11	Pass
122	5610	0.300	--	0.300	<11	Pass
138(U-NII-2C)	5690	0.200	--	0.200	<11	Pass
138(U-NII-3)	5690	-9.850	6.98	-9.850	<30	Pass
155	5775	-10.470	6.98	-10.470	<30	Pass

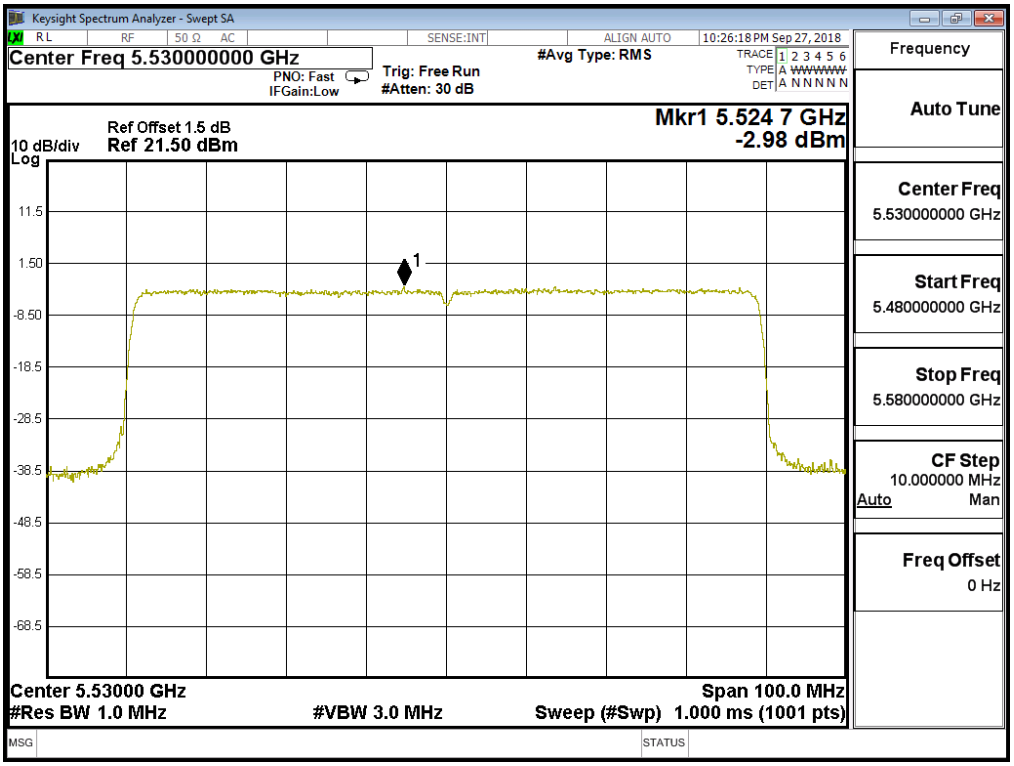
Channel 42



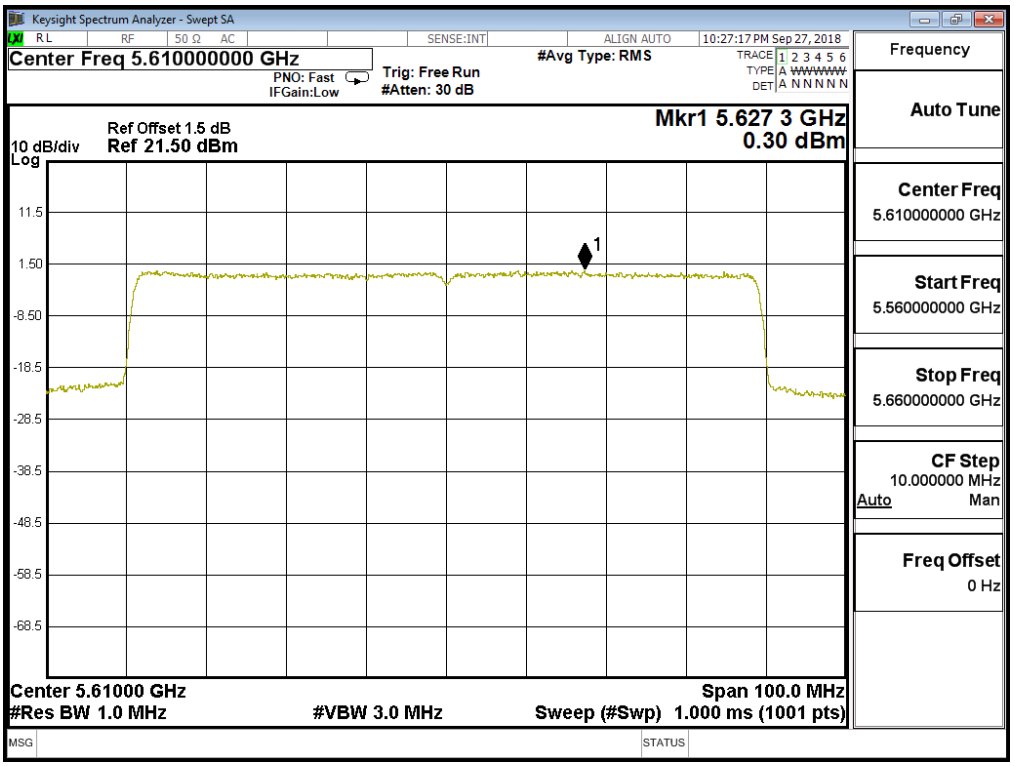
Channel 58



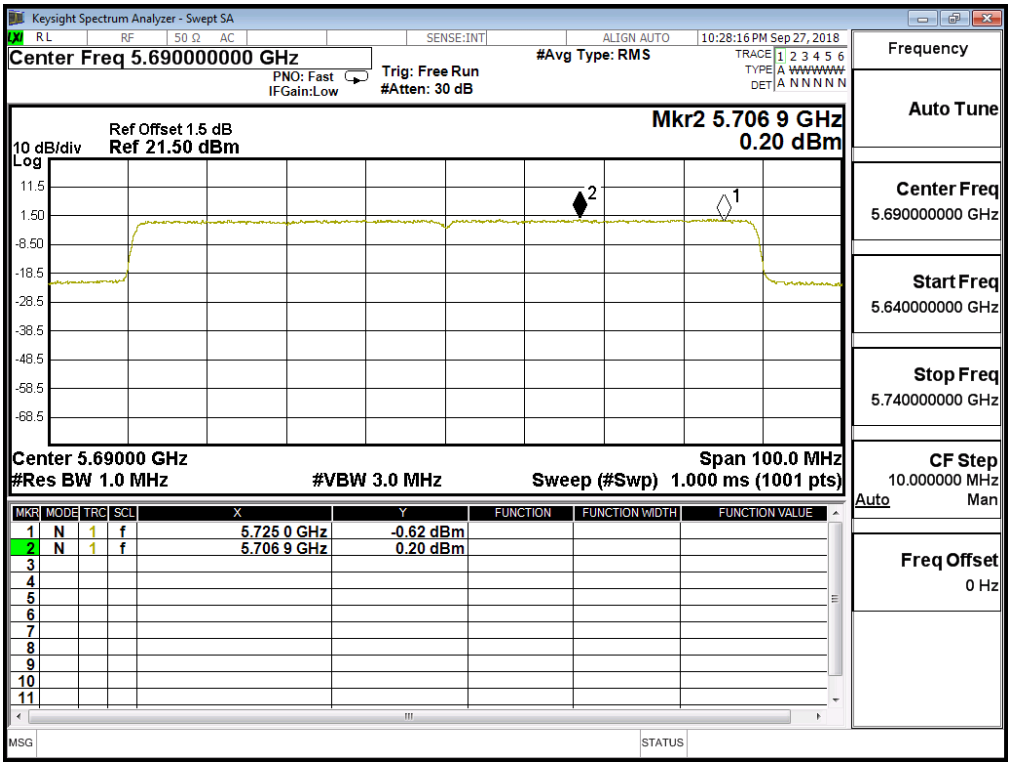
Channel 106



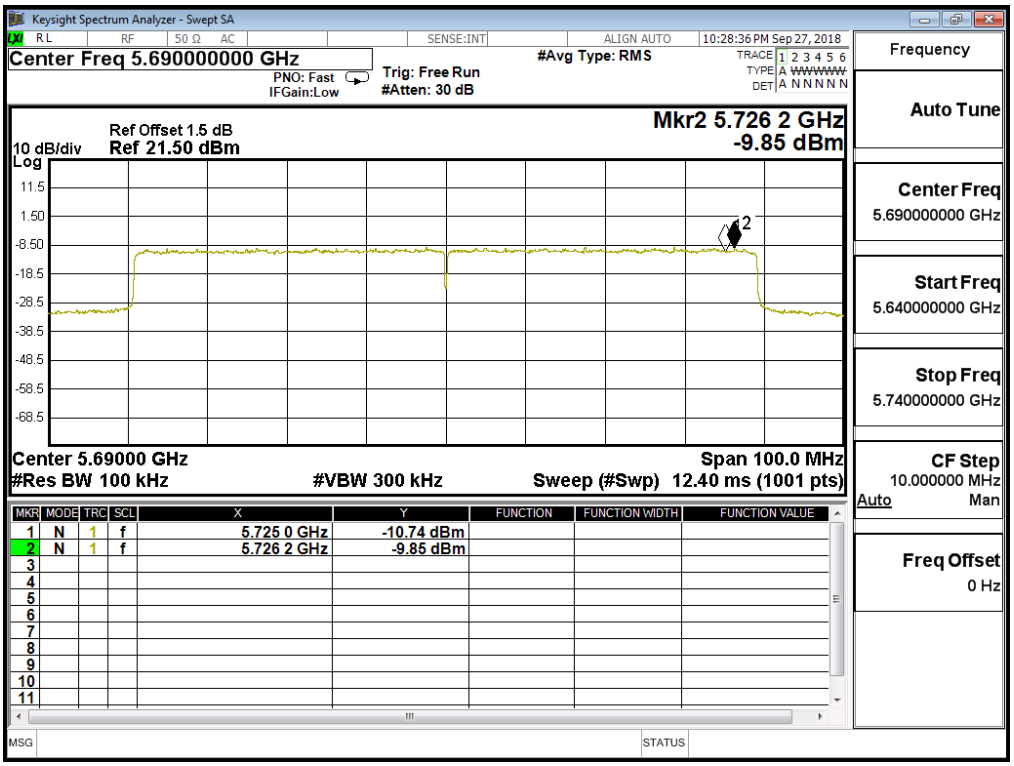
Channel 122



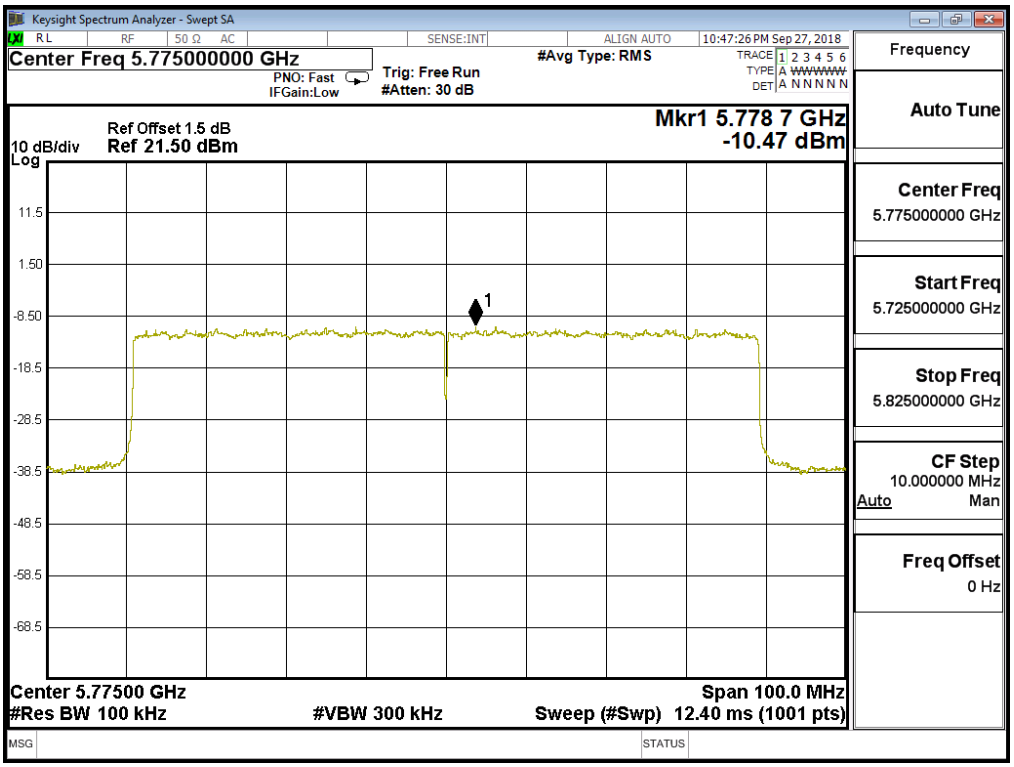
Channel 138 (U-NII-2C)



Channel 138 (U-NII-3)



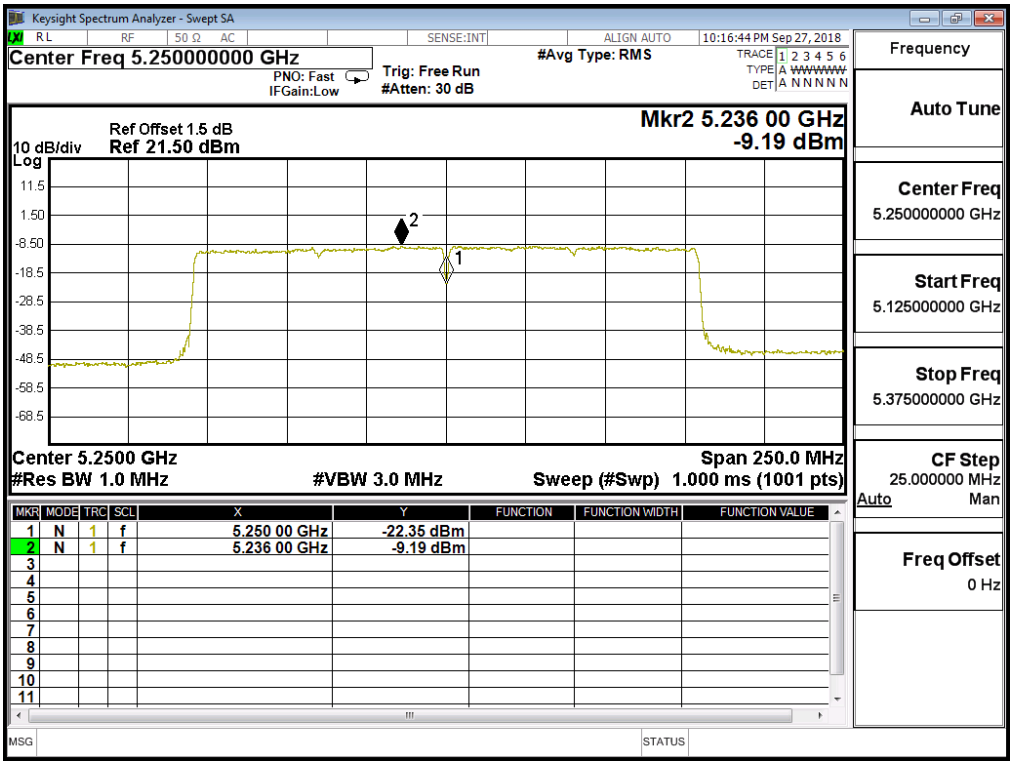
Channel 155


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
10:47:26 PM Sep 27, 2018
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
TRACE 1 2 3 4 5 6
TYPE A WWWWWW
DET A N N N N N
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
Log
Mkr1 5.778 7 GHz
-10.47 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.77500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep (#Swp) 12.40 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.725000000 GHz
Stop Freq
5.825000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

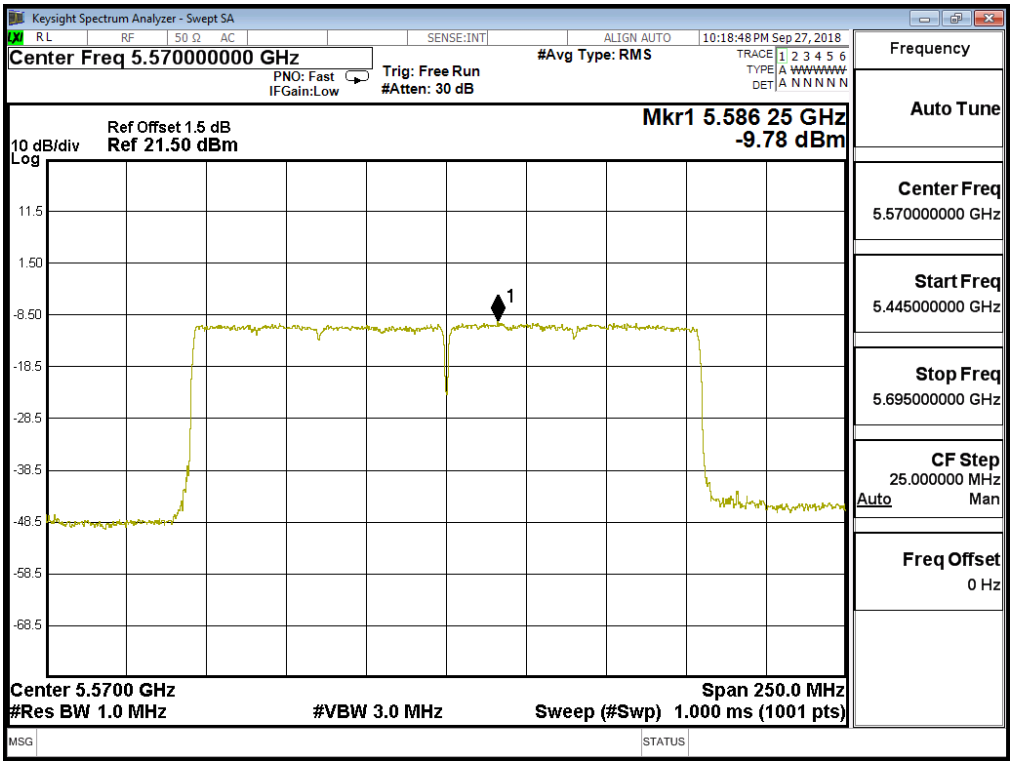
待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 1: SISO A: 發射器 802.11ax-160BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

Channel Number	Frequency (MHz)	PPSD (dBm)	Required Limit (dBm)	Result
50	5250	-9.190	<11	Pass
114	5570	-9.780	<11	Pass

Channel 50



Channel 114

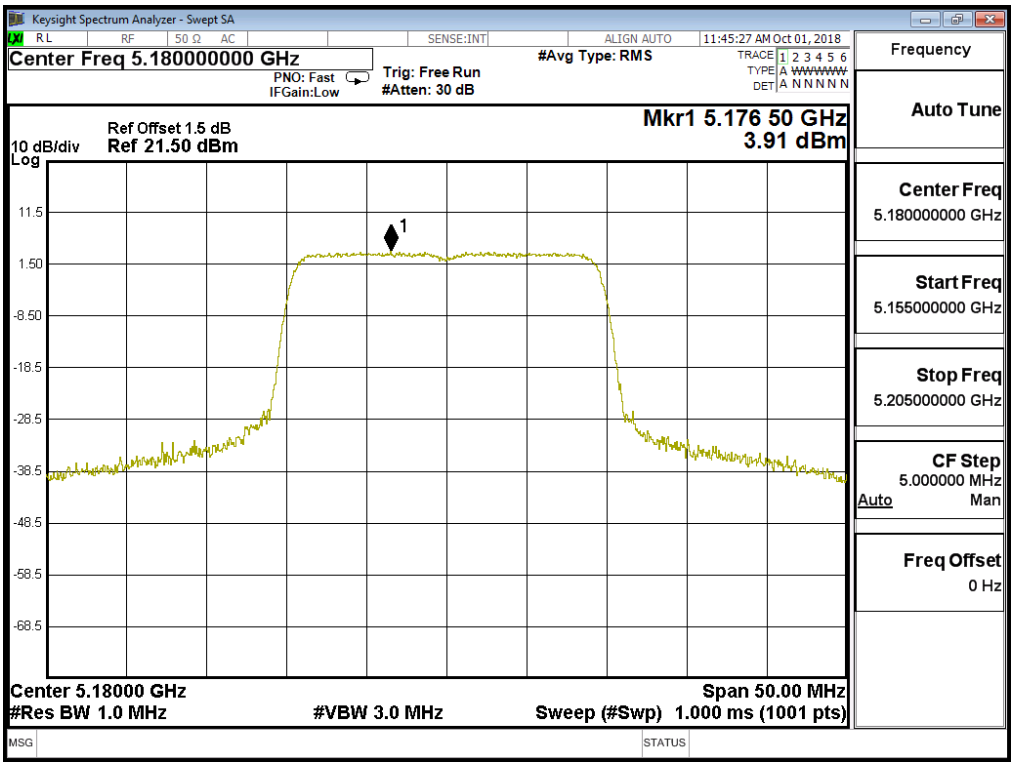


待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW
測試項目：峰值功率頻譜密度
測試頻道：--
測試模式：Mode 2: SISO B: 發射器 802.11ax-20BW
6 dB 頻寬：1MHz
視頻頻寬：3MHz
檢測器：峰值
環境溫度：21 ℃
測試日期：107 年 10 月 03 日
環境濕度：53 %

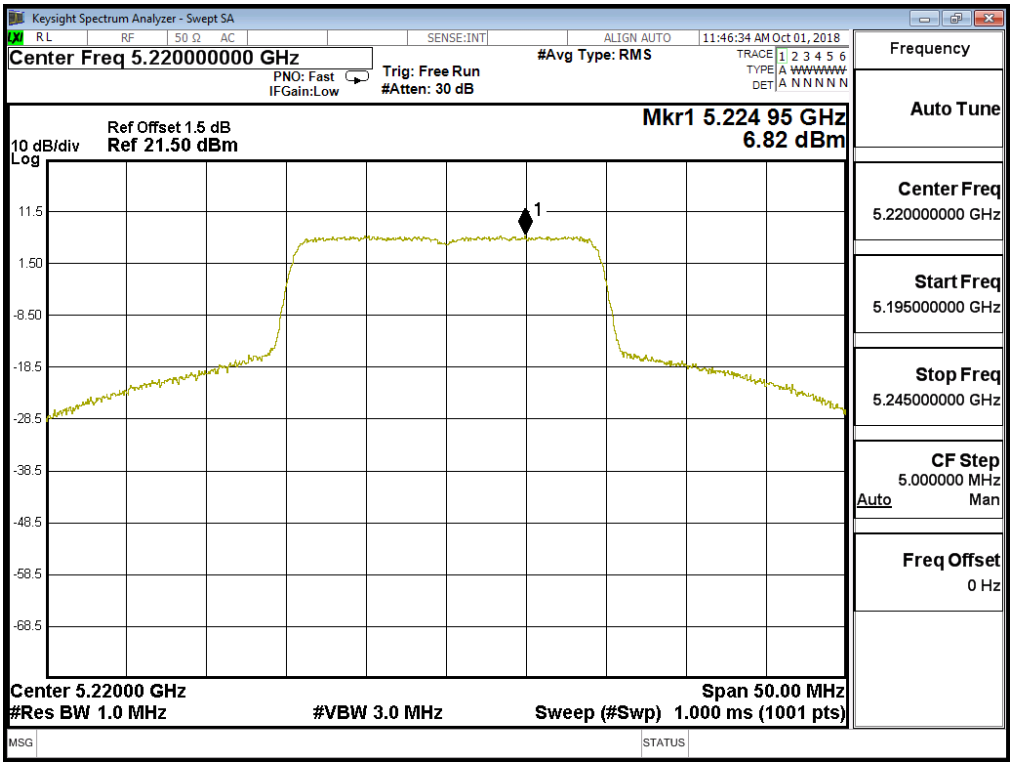
Channel Number	Frequency (MHz)	Total PPSD (dBm)	Required Limit (dBm)	Result
36	5180	3.910	<11	Pass
44	5220	6.820	<11	Pass
48	5240	5.930	<11	Pass
52	5260	6.290	<11	Pass
60	5300	5.780	<11	Pass
64	5320	2.130	<11	Pass
100	5500	3.080	<11	Pass
116	5580	6.790	<11	Pass
140	5700	2.640	<11	Pass

Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
144(U-NII-2C)	5720	6.230	--	6.230	<11	Pass
144(U-NII-3)	5720	-3.830	6.98	3.150	<30	Pass
149	5745	-3.330	6.980	3.650	<30	Pass
157	5785	-3.380	6.980	3.600	<30	Pass
165	5825	-3.060	6.980	3.920	<30	Pass

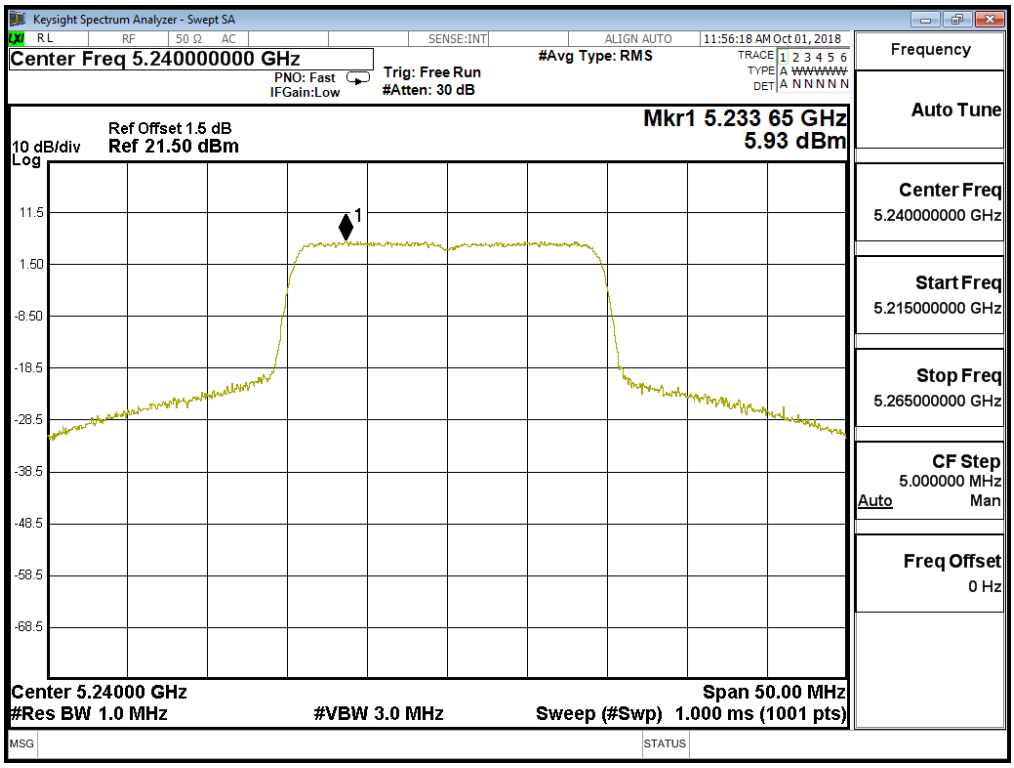
Channel 36



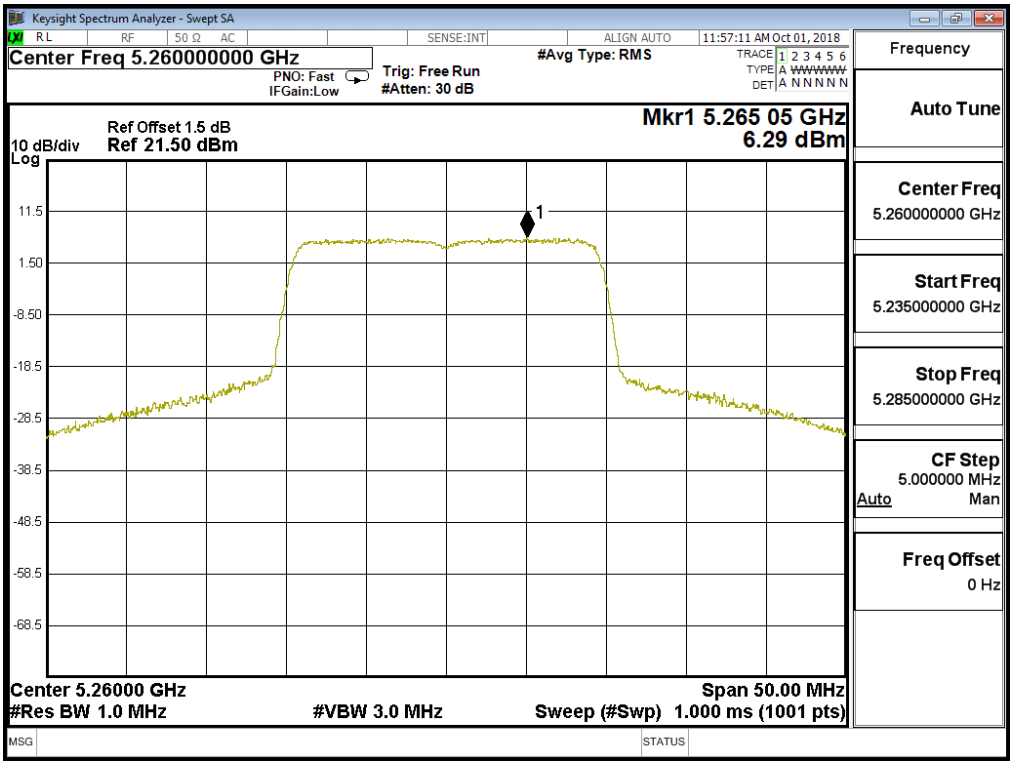
Channel 44



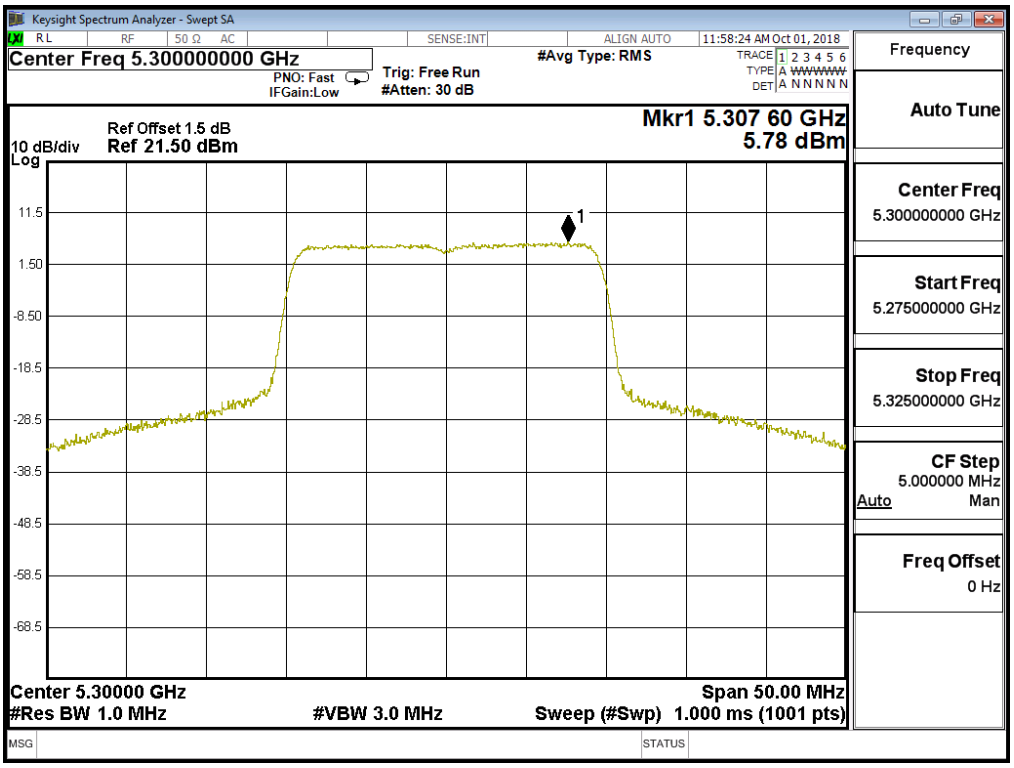
Channel 48



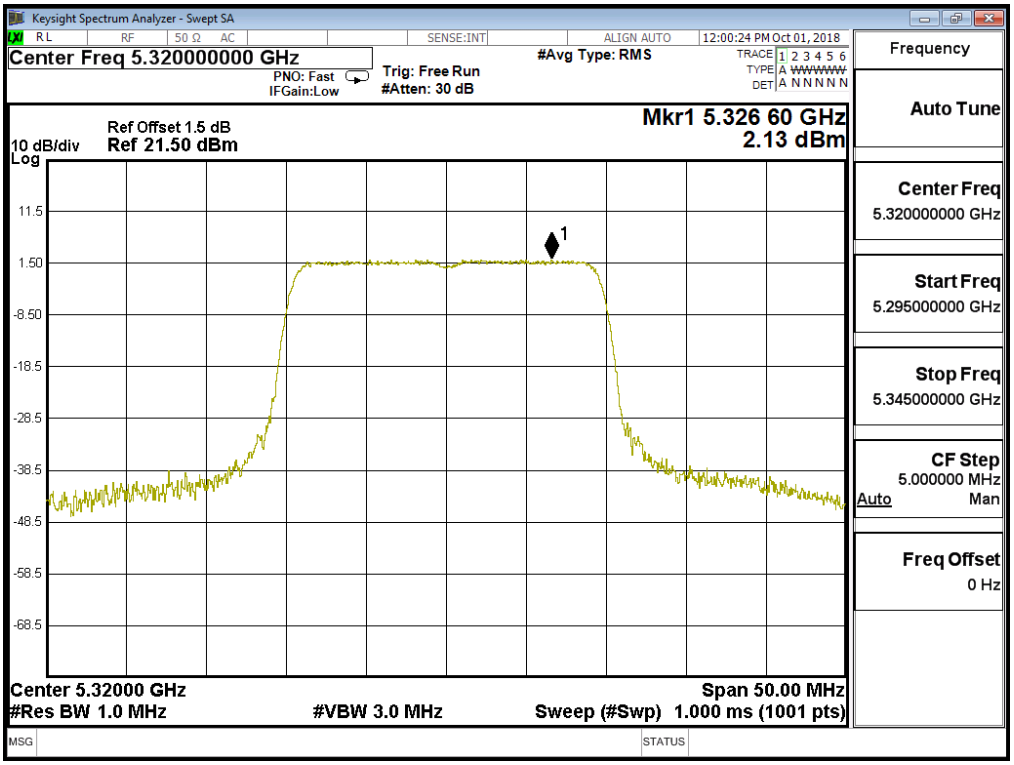
Channel 52



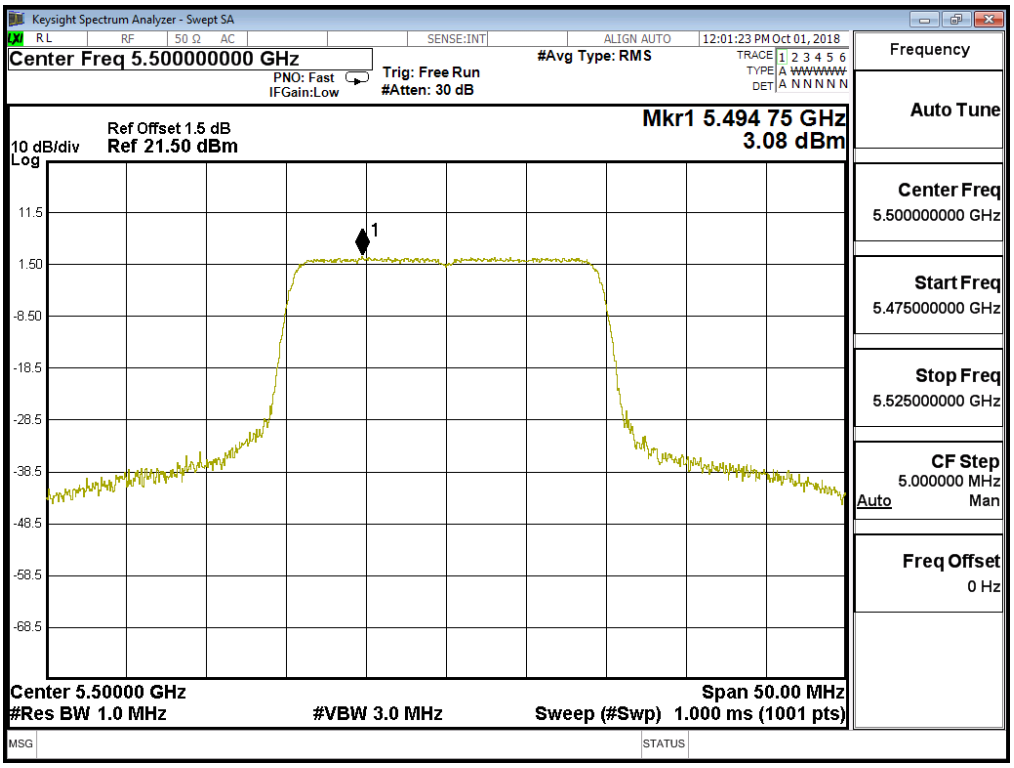
Channel 60



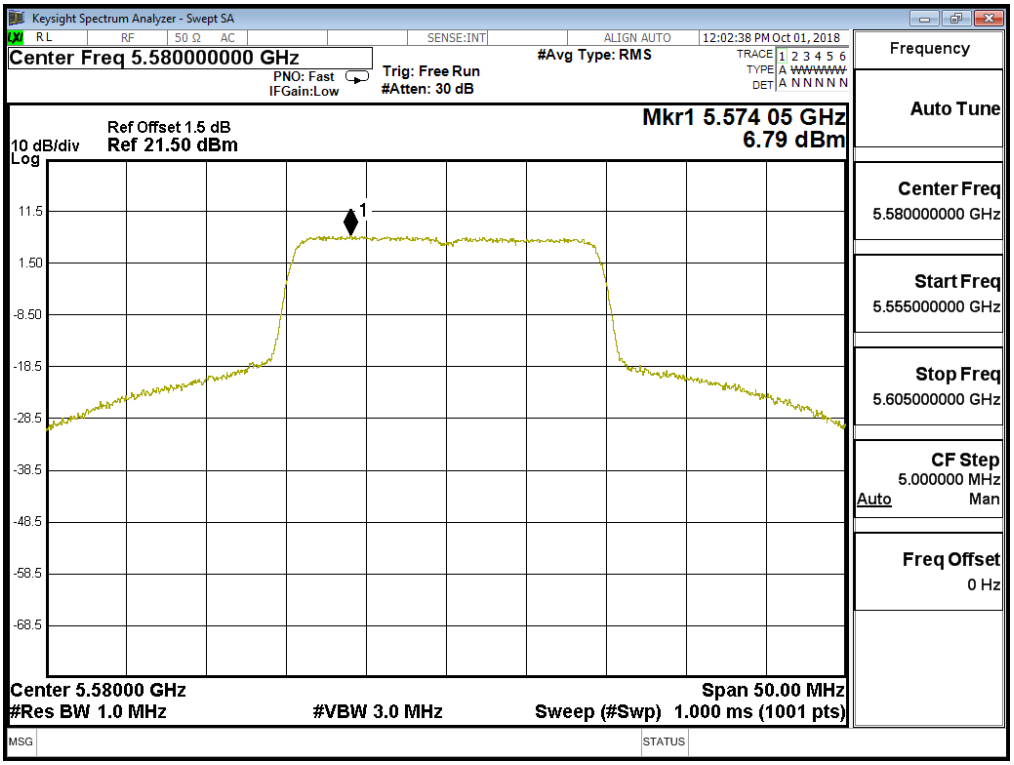
Channel 64



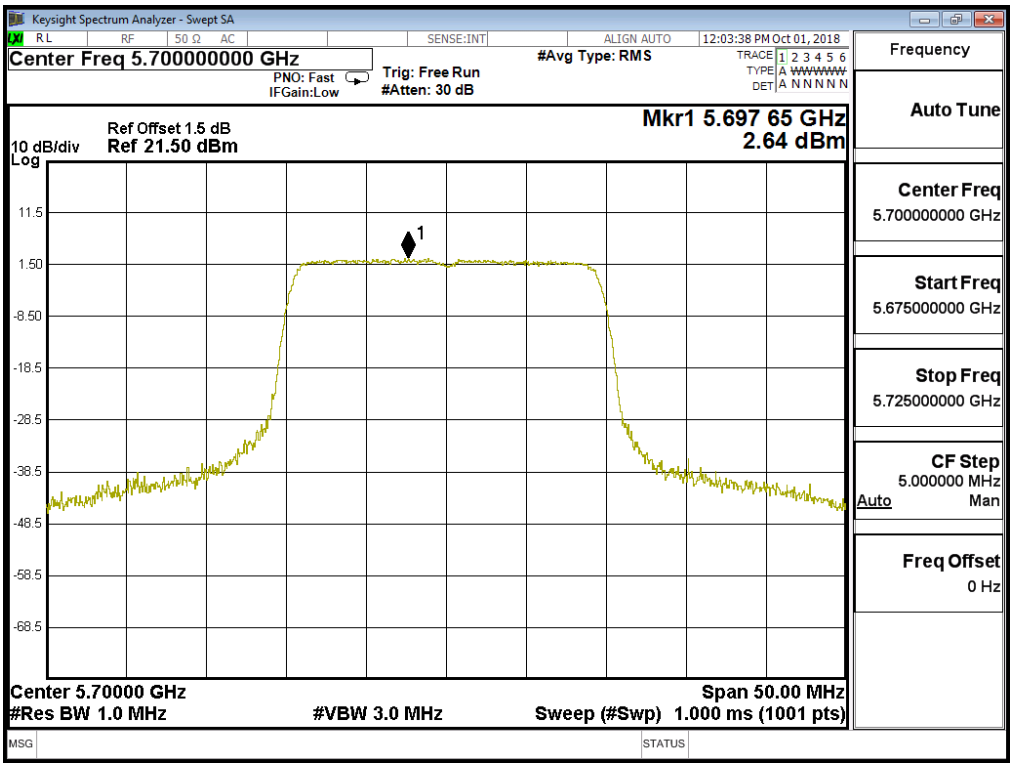
Channel 100



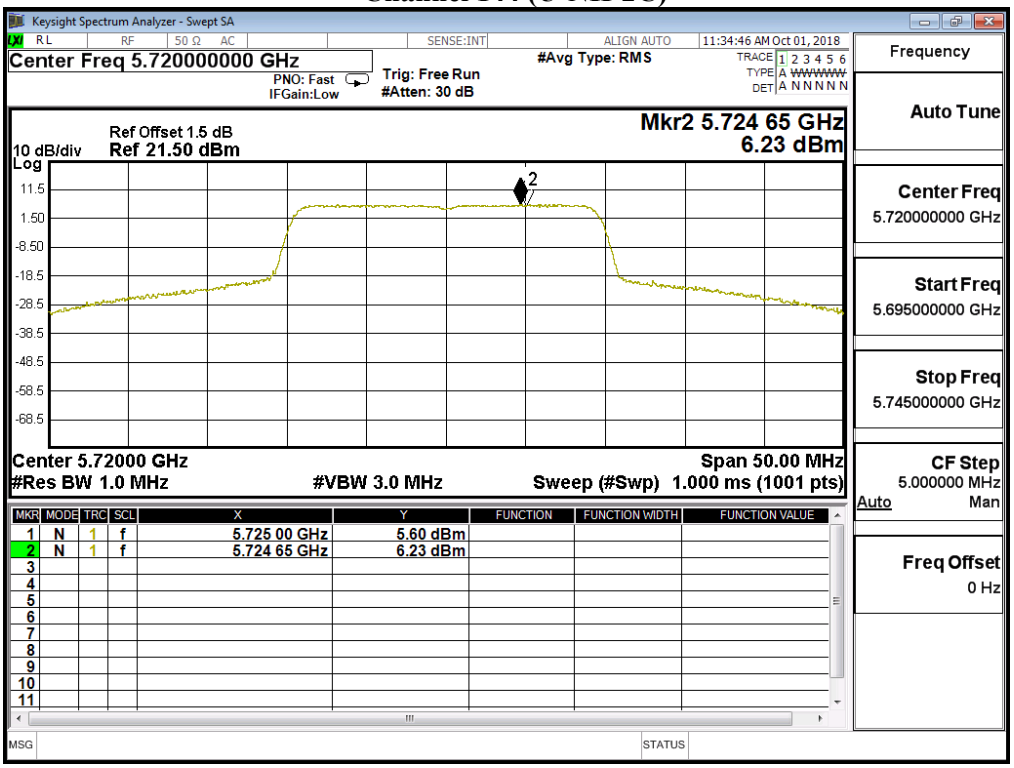
Channel 116



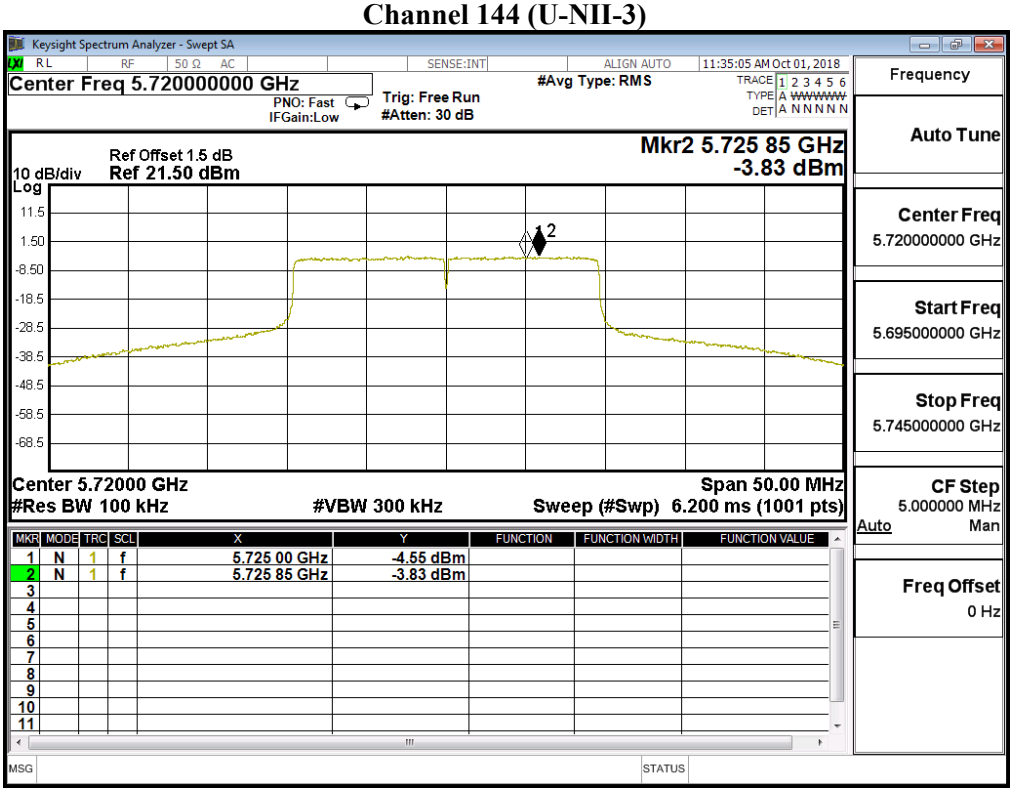
Channel 140



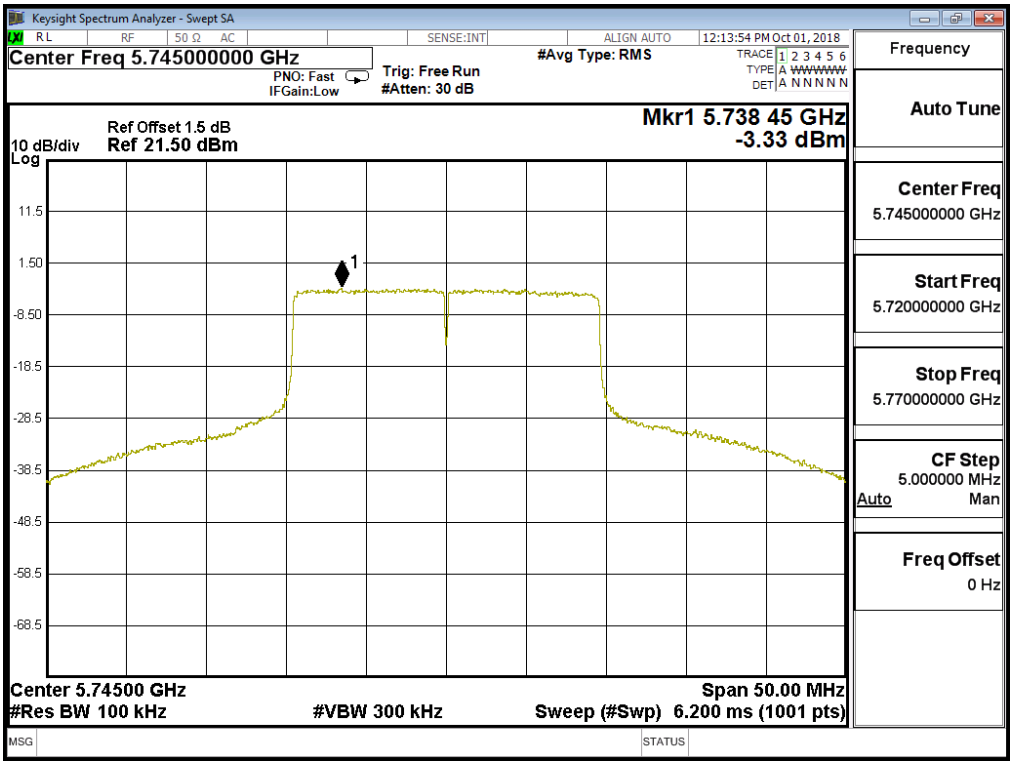
Channel 144 (U-NII-2C)



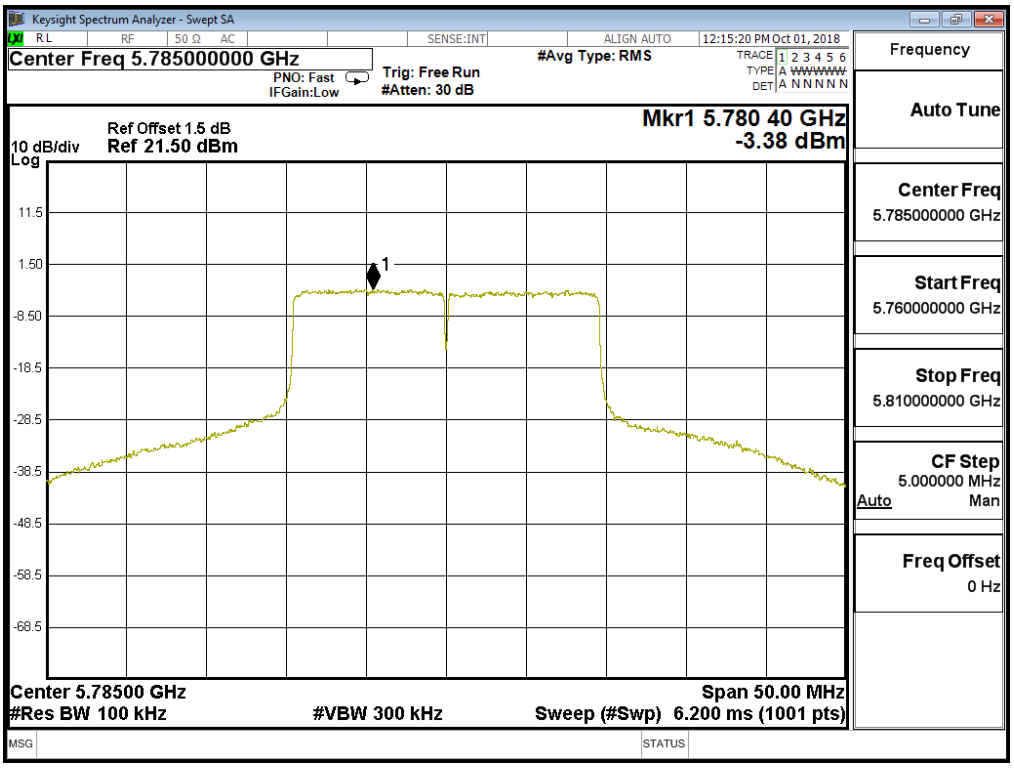
Channel 144 (U-NII-3)



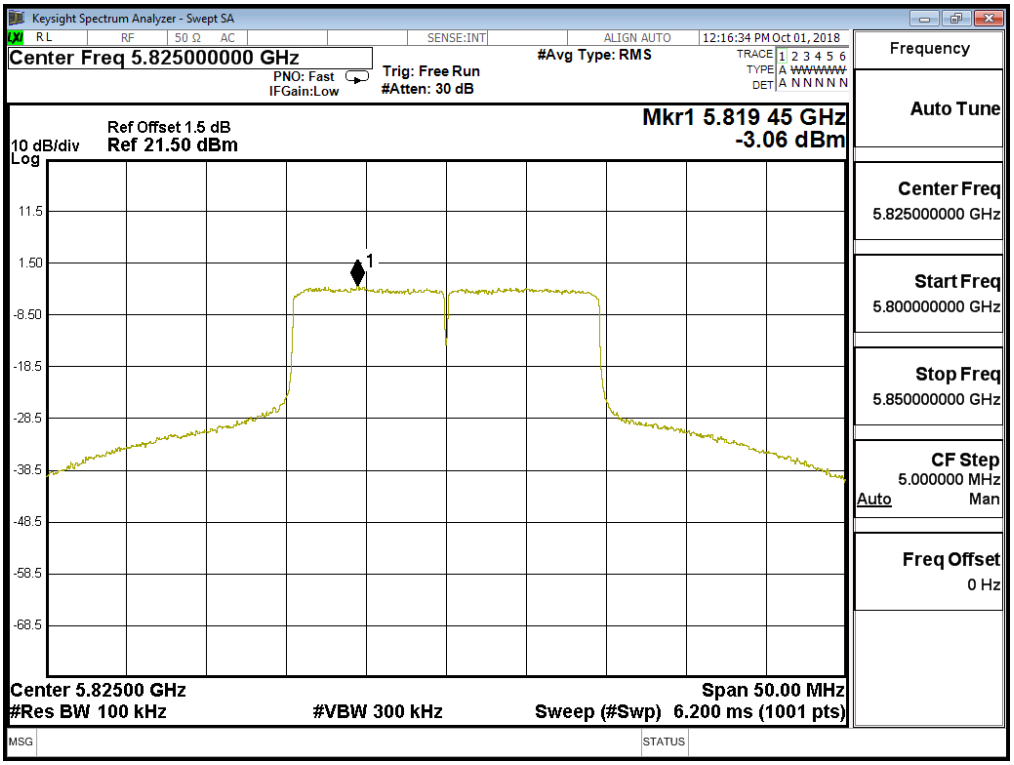
Channel 149



Channel 157



Channel 165

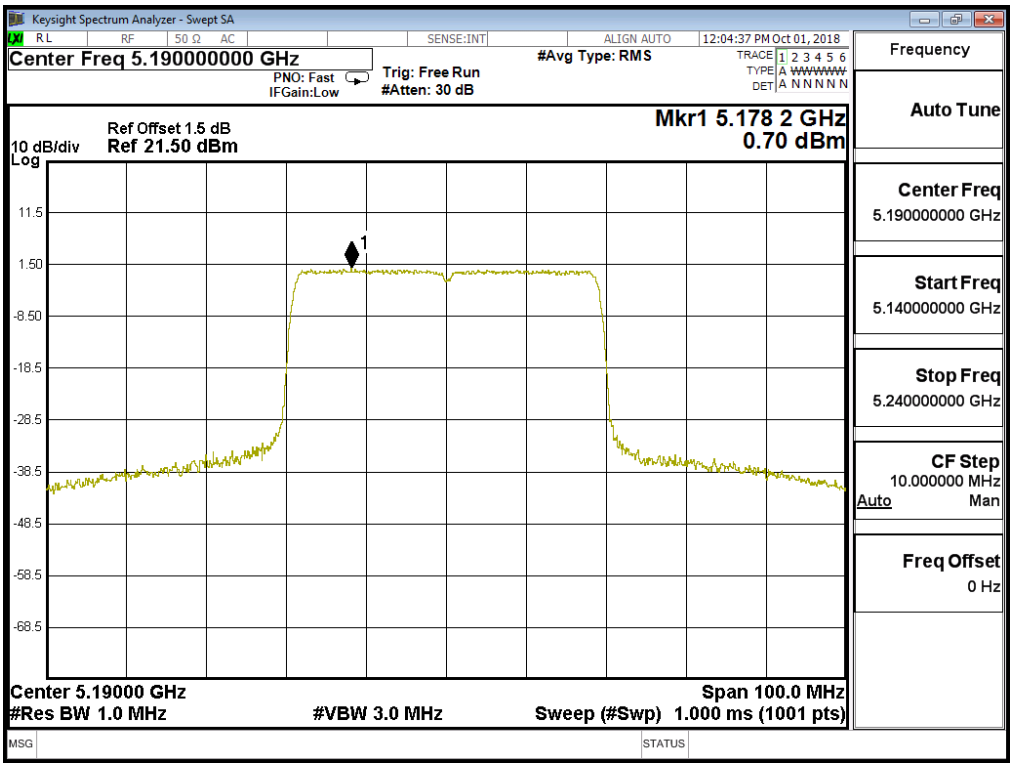


待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 2: SISO B: 發射器 802.11ax-40BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

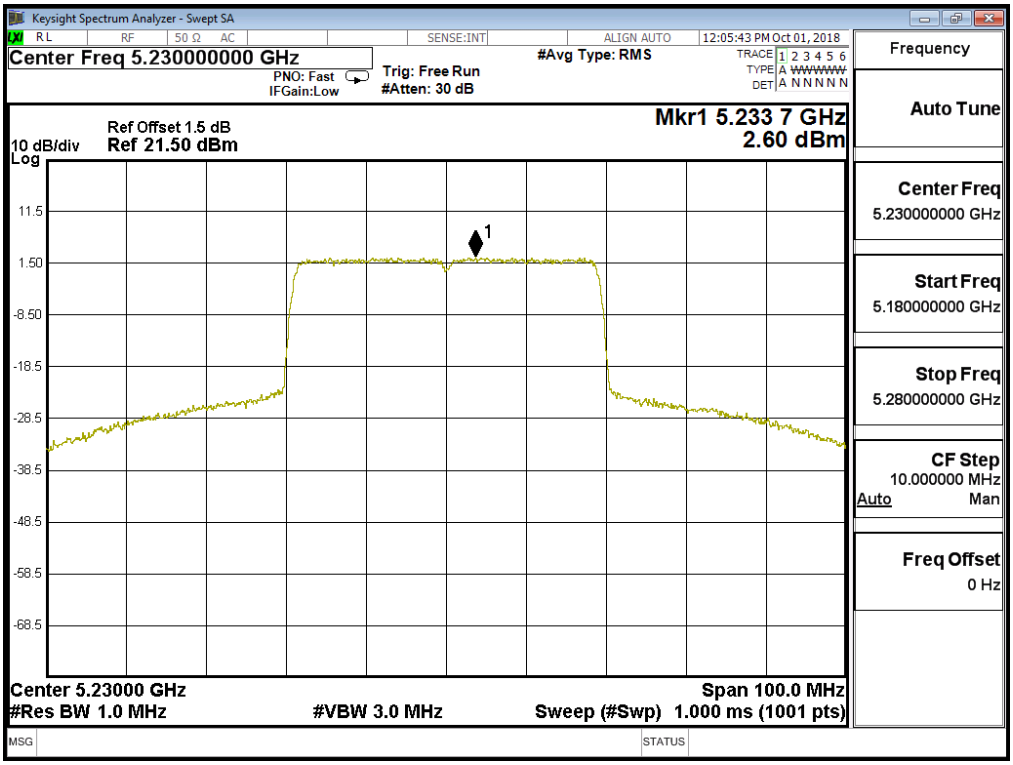
Channel Number	Frequency (MHz)	Total PPSD (dBm)	Required Limit (dBm)	Result
38	5190	0.700	<11	Pass
46	5230	2.600	<11	Pass
54	5270	2.420	<11	Pass
62	5310	-1.040	<11	Pass
102	5510	-0.590	<11	Pass
110	5550	2.910	<11	Pass
134	5670	1.770	<11	Pass

Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
142(U-NII-2C)	5710	2.860	--	2.860	<11	Pass
142(U-NII-3)	5710	-7.390	6.98	-0.410	<30	Pass
151	5755	-6.040	6.980	0.940	<30	Pass
159	5795	-6.370	6.980	0.610	<30	Pass

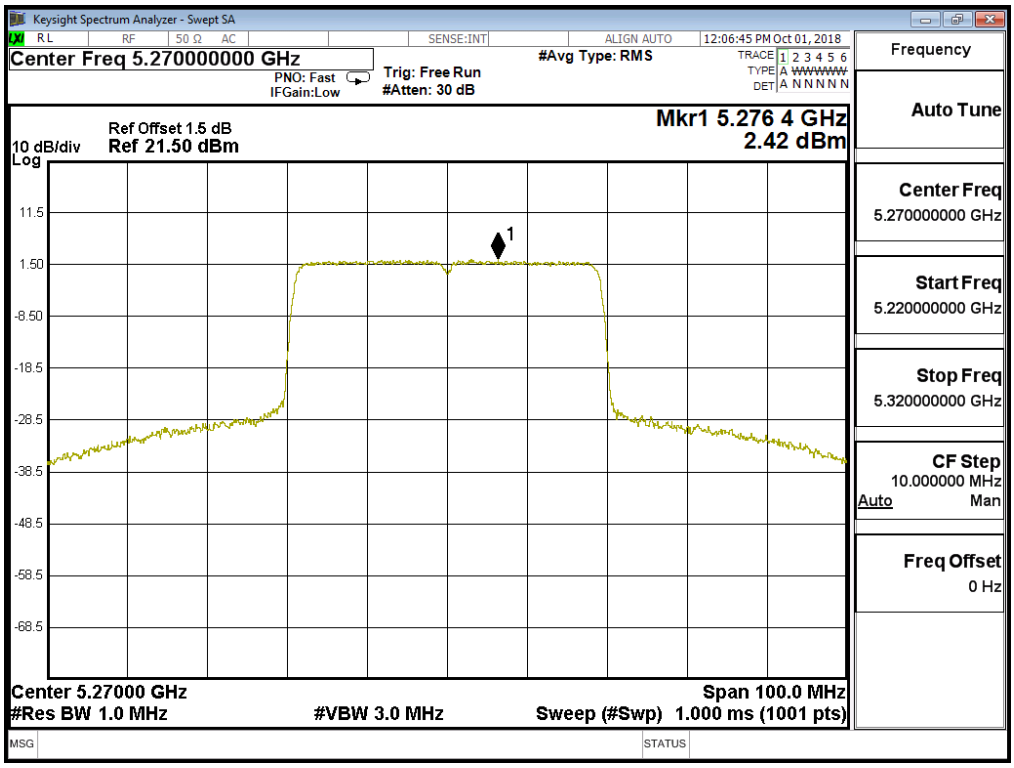
Channel 38



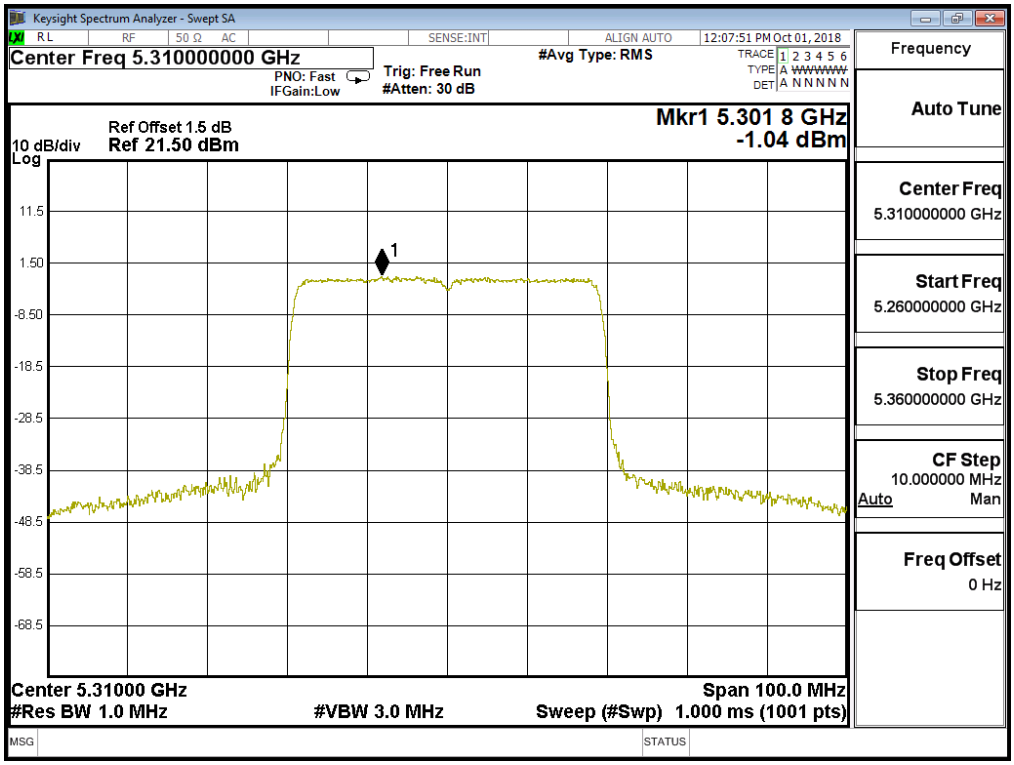
Channel 46



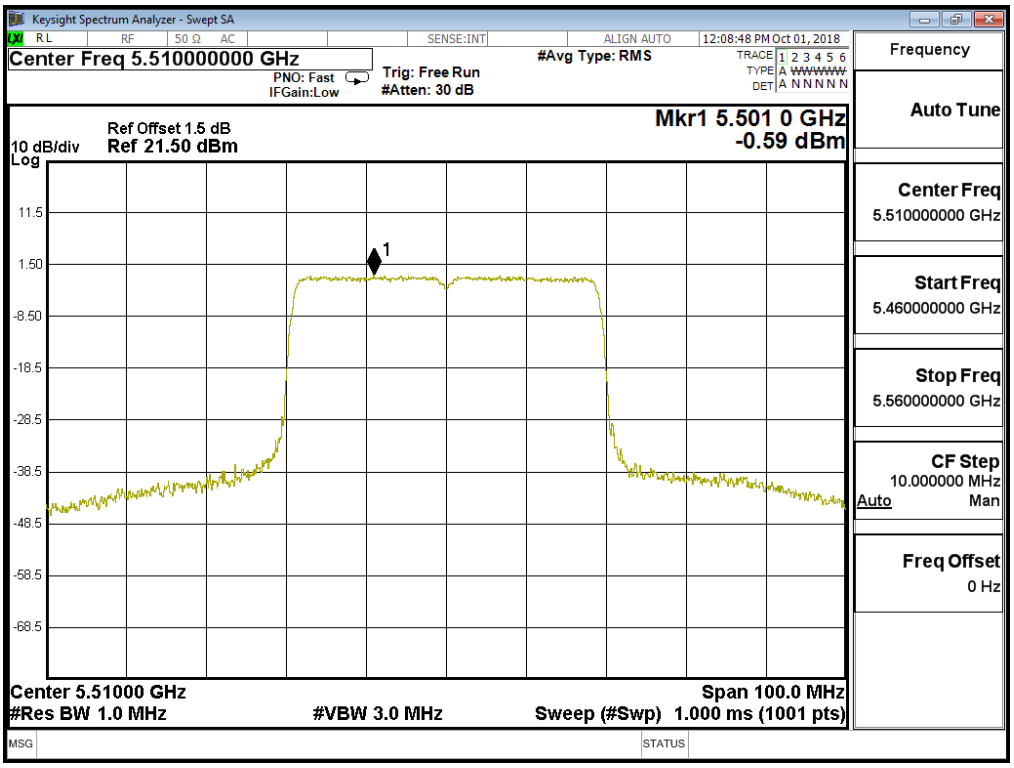
Channel 54



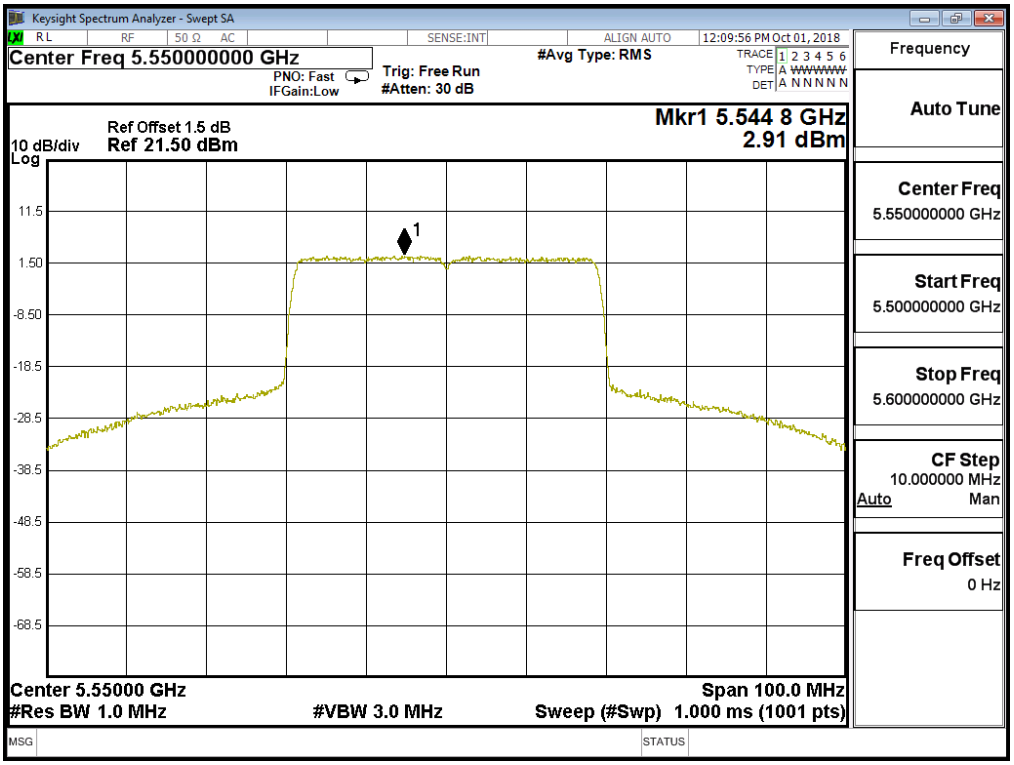
Channel 62



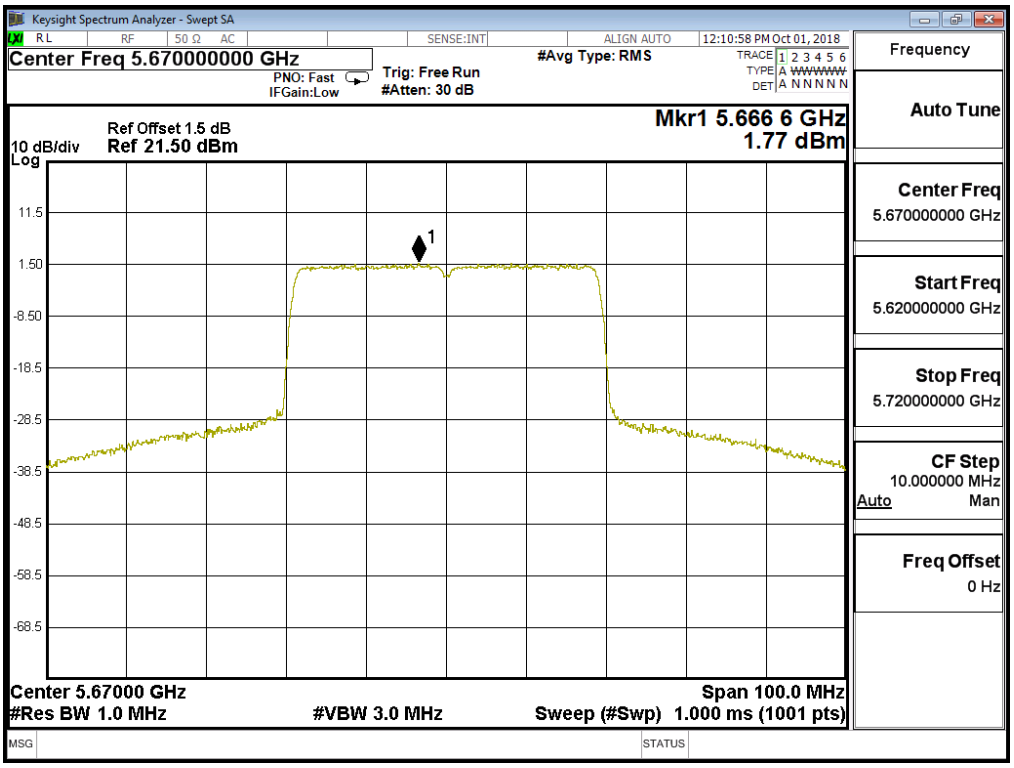
Channel 102



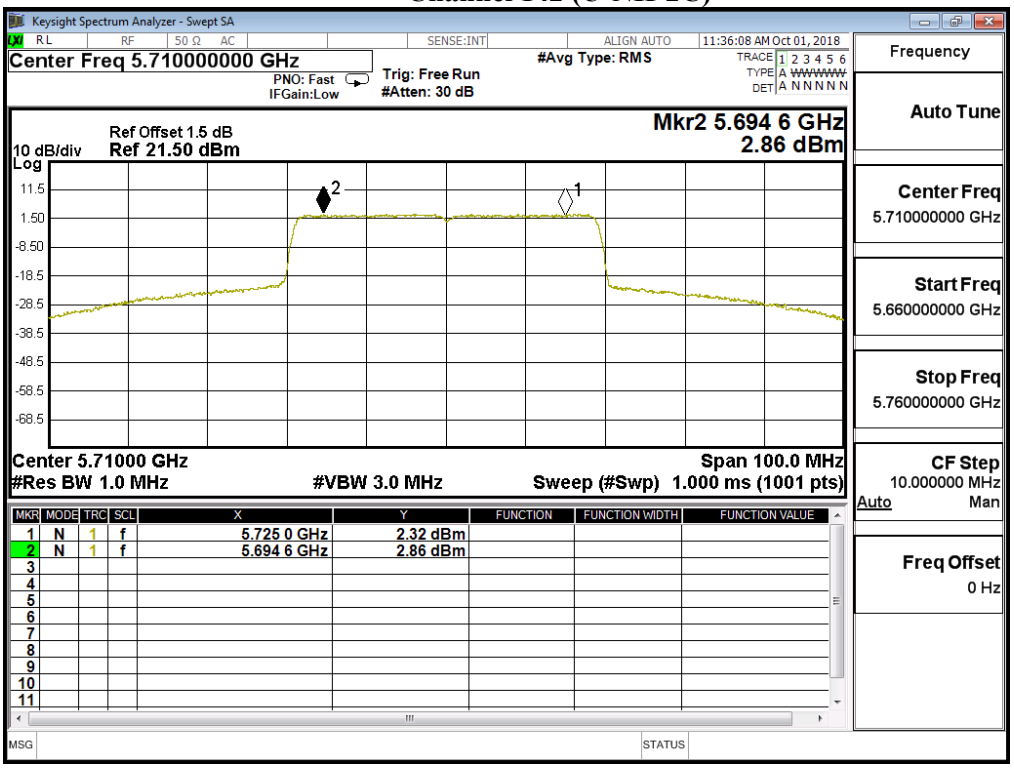
Channel 110



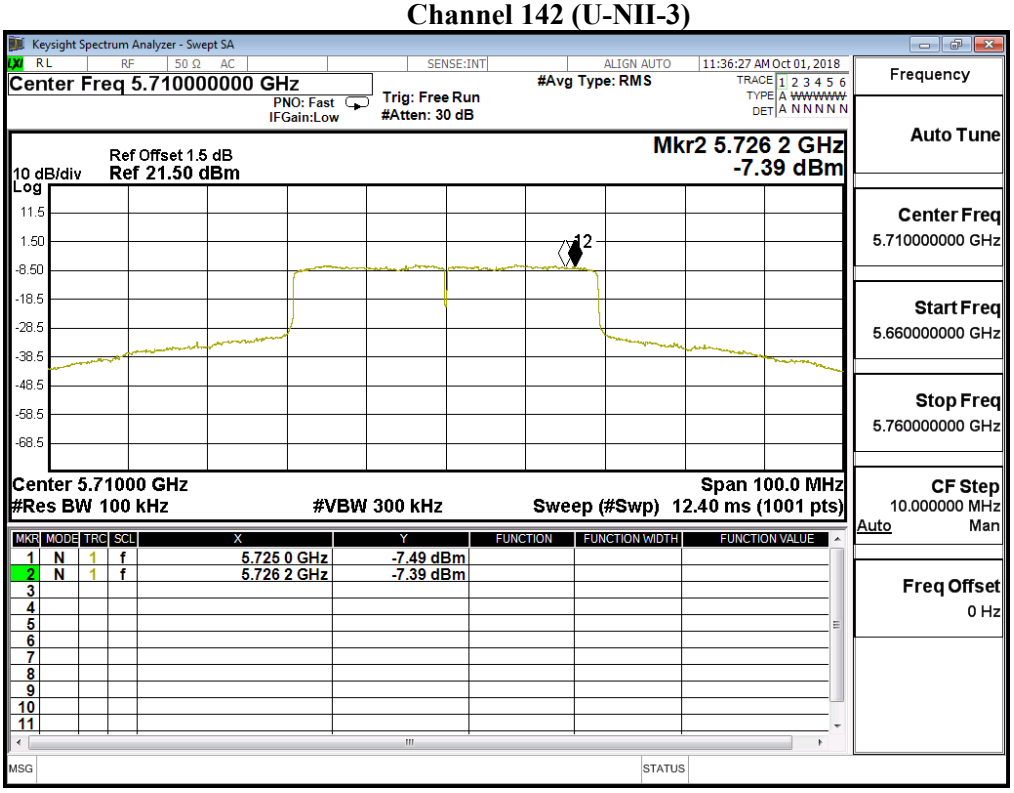
Channel 134



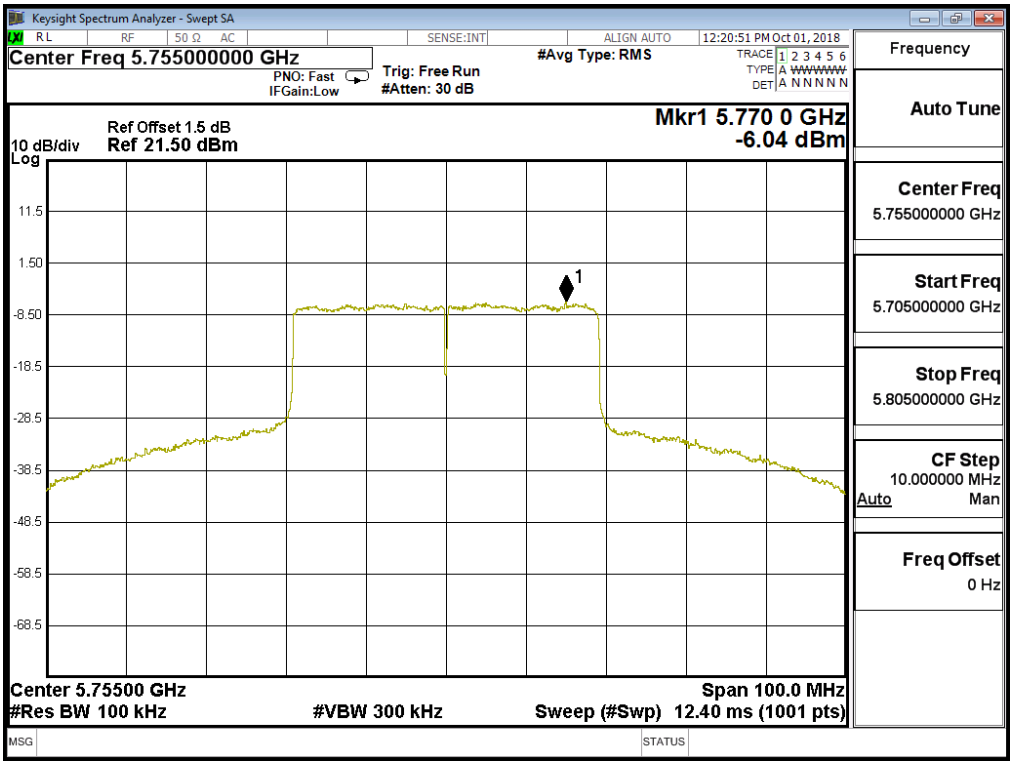
Channel 142 (U-NII-2C)



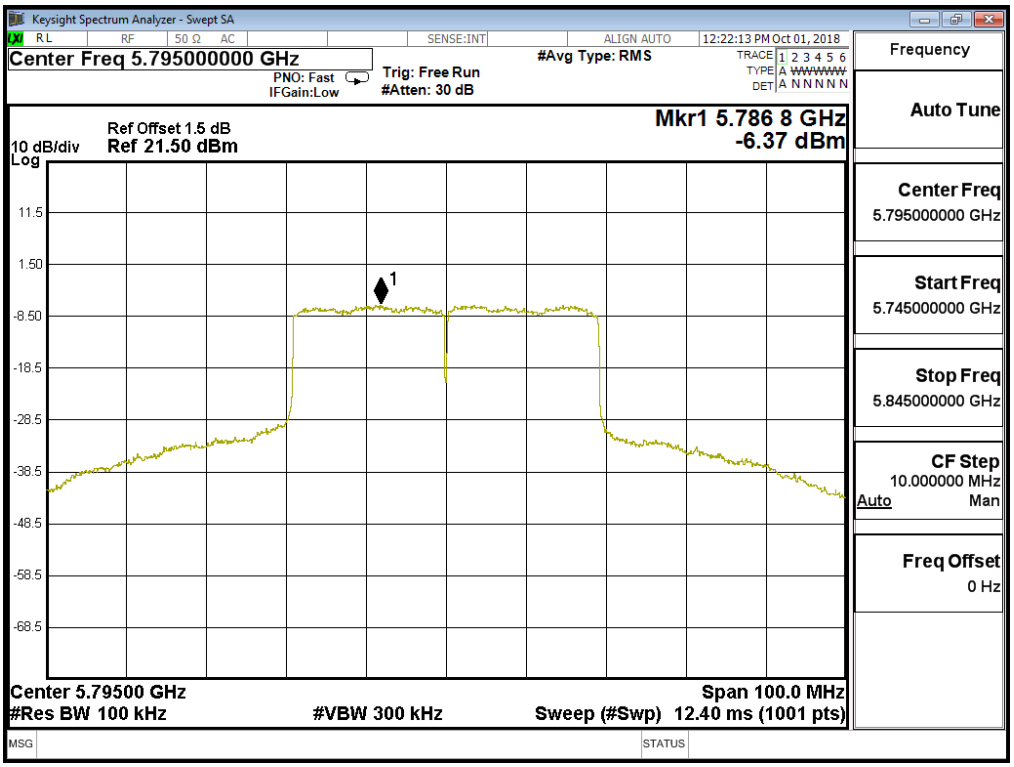
Channel 142 (U-NII-3)



Channel 151



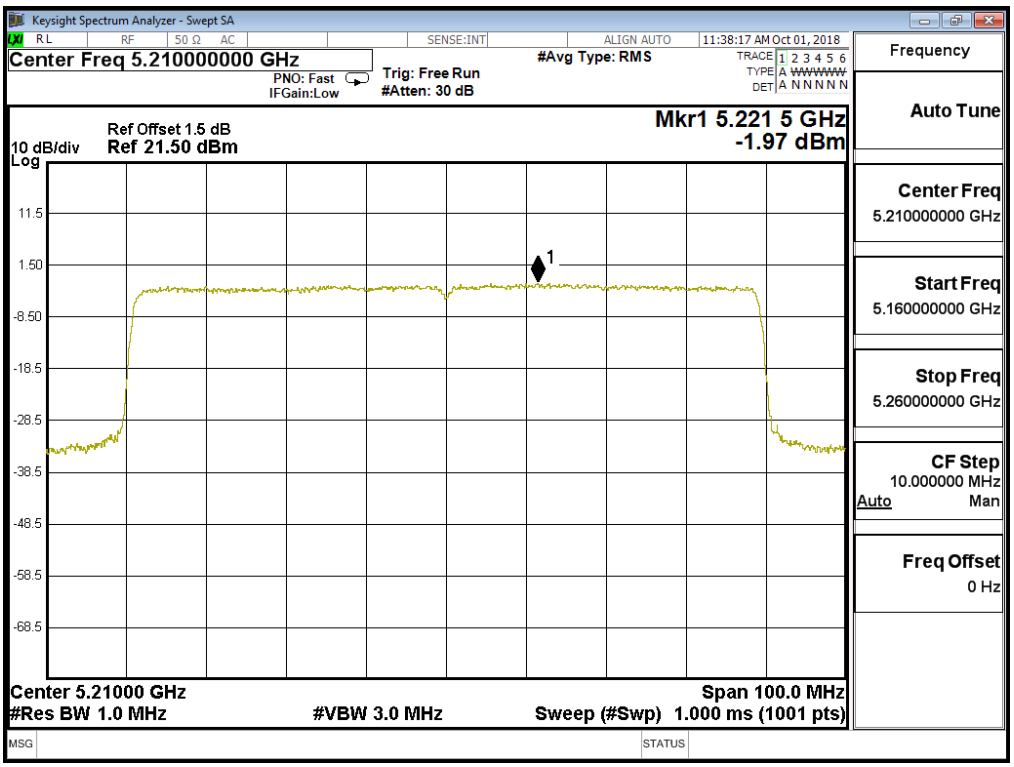
Channel 159


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
12:22:13 PM Oct 01, 2018
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
Log
Mkr1 5.786 8 GHz
-6.37 dBm
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep (#Swp) 12.40 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.745000000 GHz
Stop Freq
5.845000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

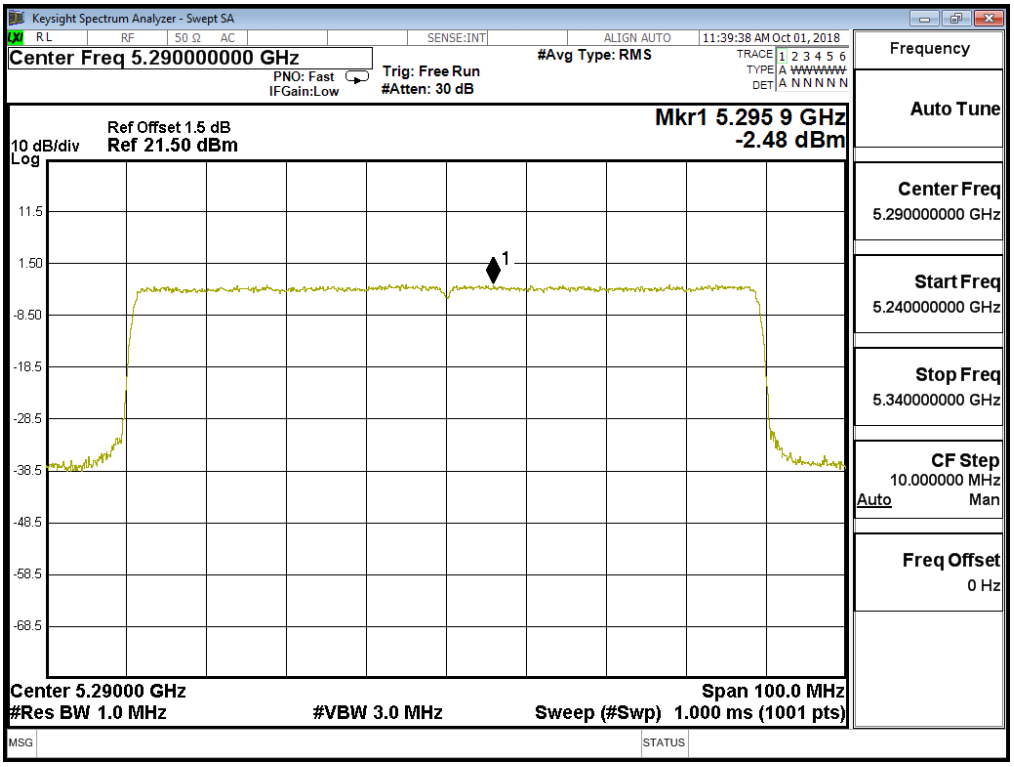
待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值功率頻譜密度
測試頻道：--　　測試模式：Mode 2: SISO B: 發射器 802.11ax-80BW
6 dB 頻寬：1MHz　　視頻頻寬：3MHz
檢測器：峰值　　環境溫度：21 ℃
測試日期：107 年 10 月 03 日　　環境濕度：53 %

Channel Number	Frequency (MHz)	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
42	5210	-1.970	--	-1.970	<11	Pass
58	5290	-2.480	--	-2.480	<11	Pass
106	5530	-2.550	--	-2.550	<11	Pass
122	5610	0.440	--	0.440	<11	Pass
138(U-NII-2C)	5690	0.520	--	0.520	<11	Pass
138(U-NII-3)	5690	-9.250	6.98	-9.250	<30	Pass
155	5775	-9.970	6.98	-9.970	<30	Pass

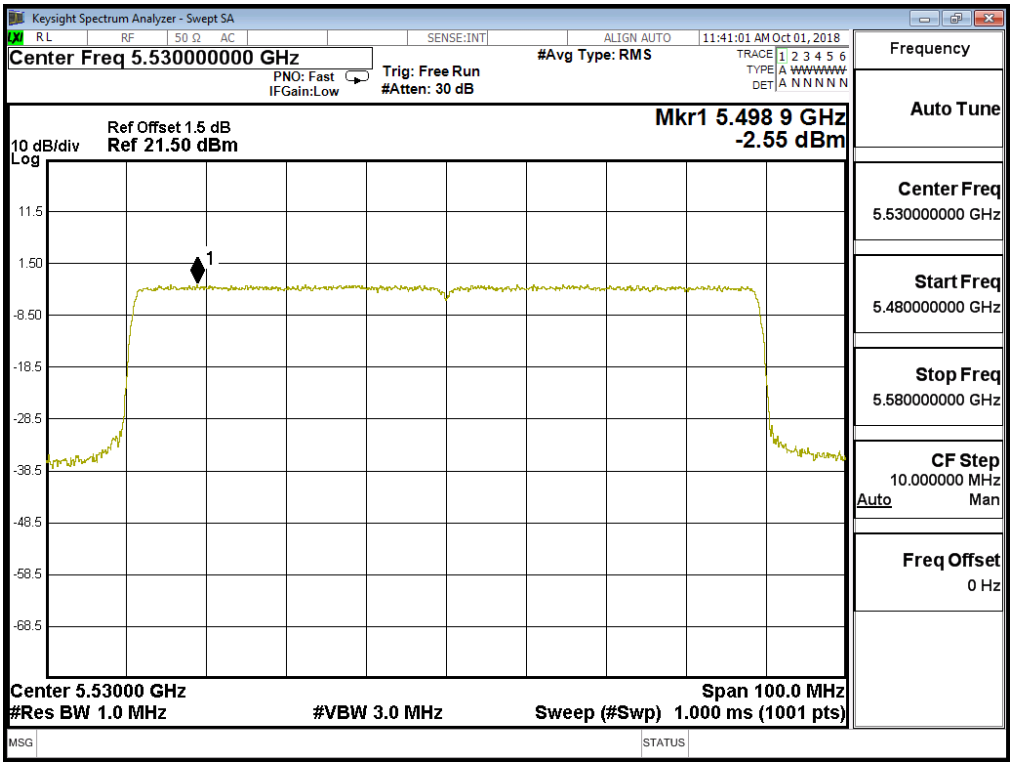
Channel 42



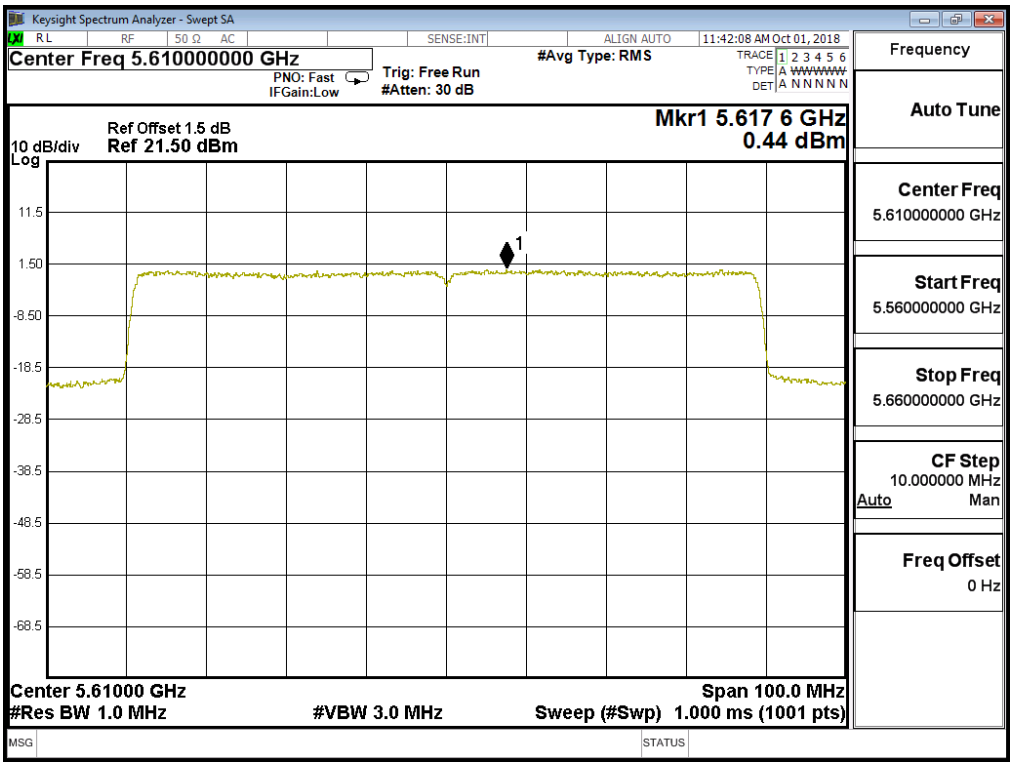
Channel 58



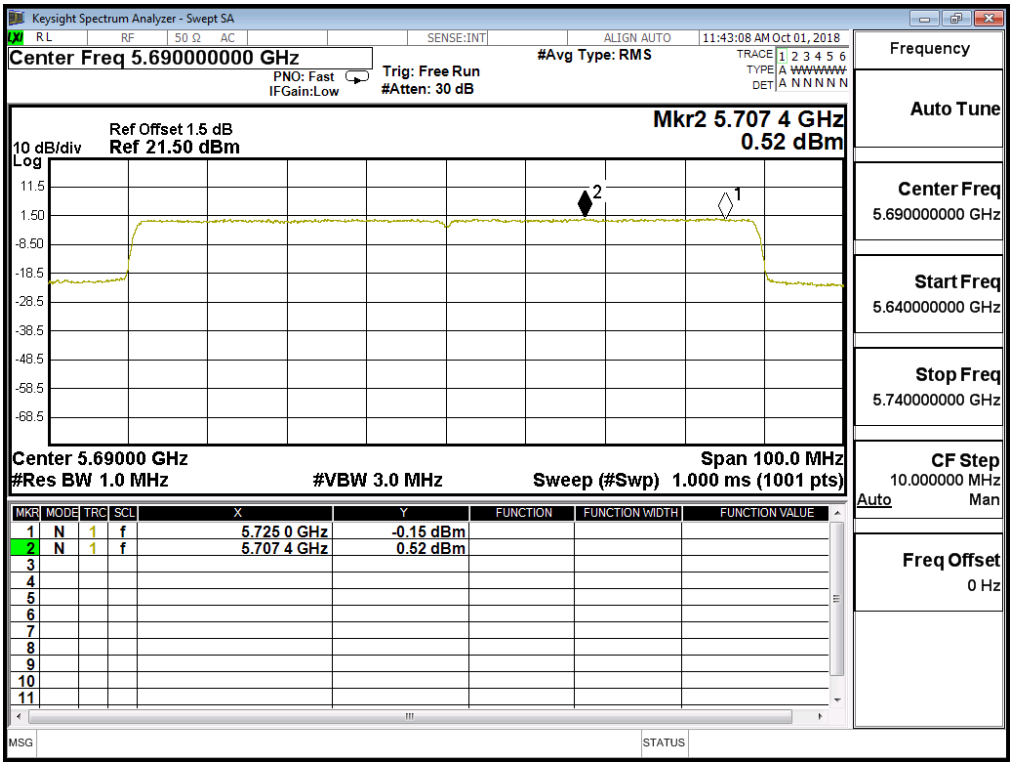
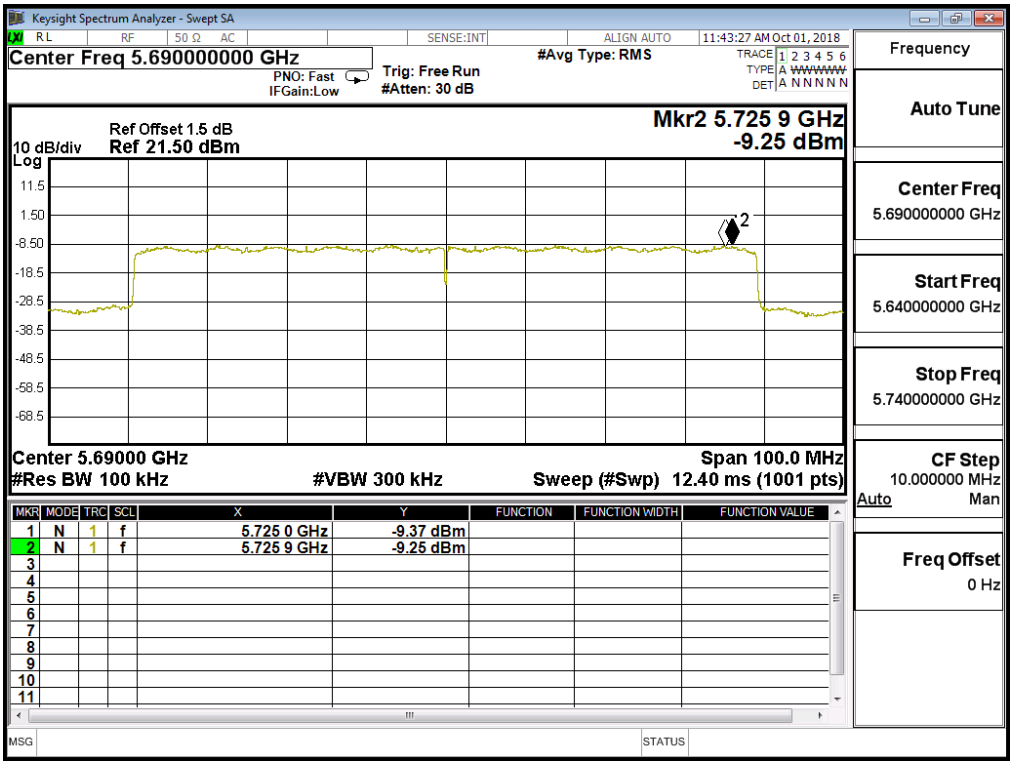
Channel 106



Channel 122



Channel 138 (U-NII-2C)



Channel 138 (U-NII-3)