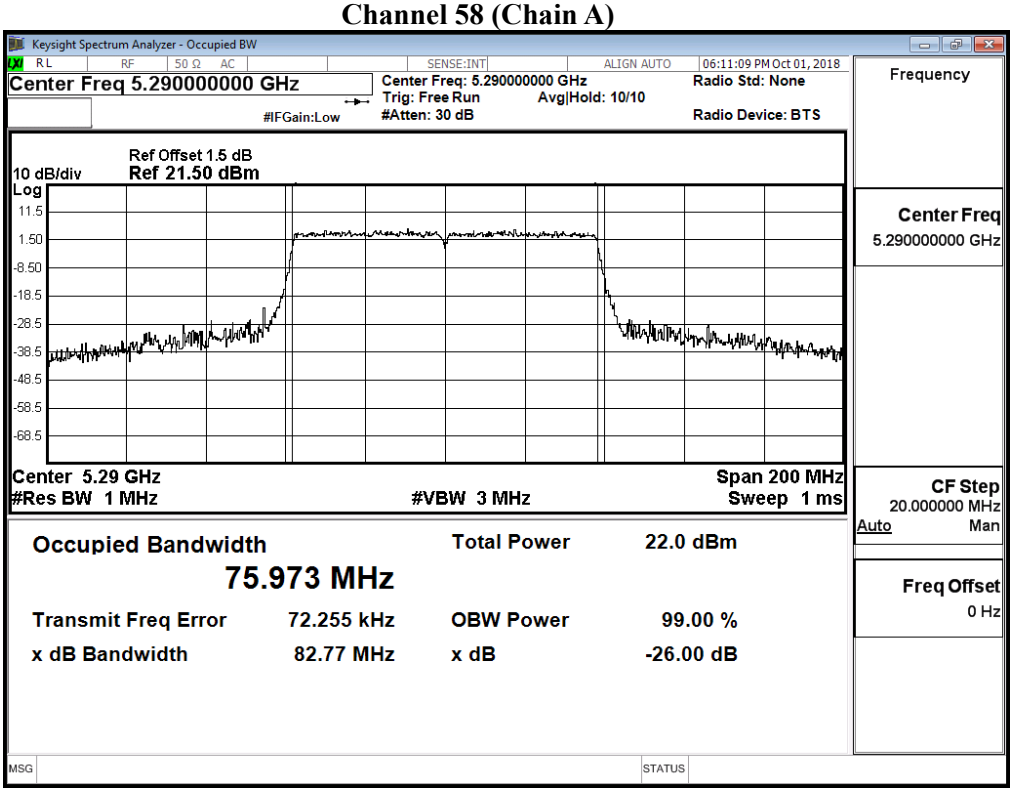
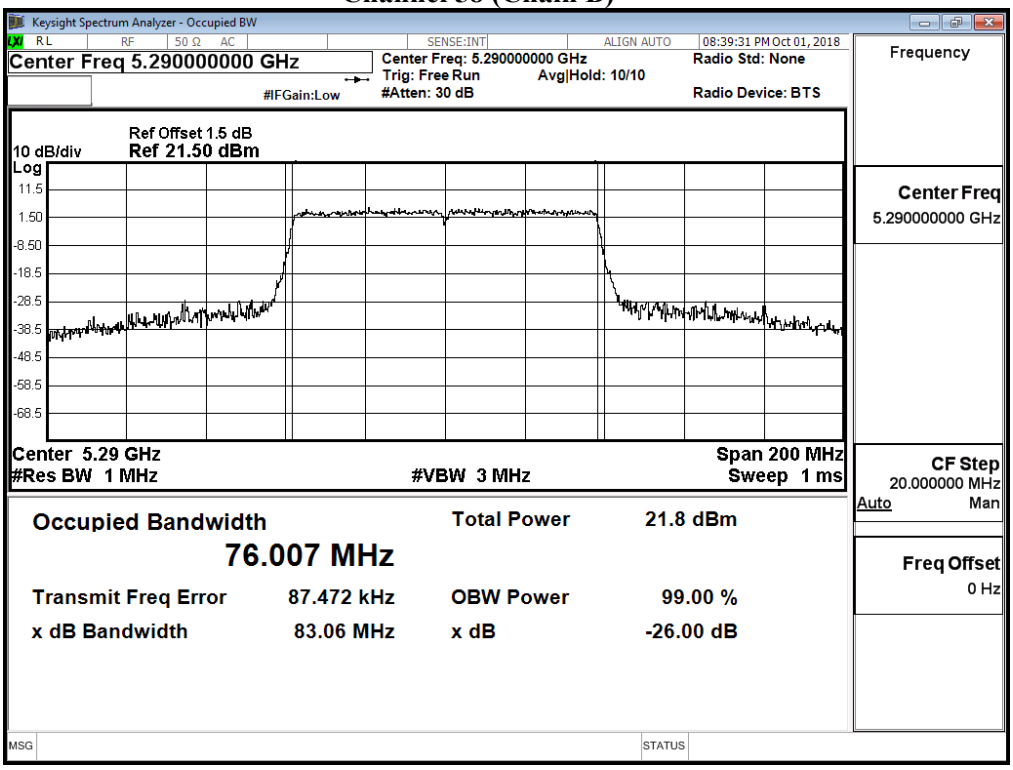
99% Occupied Bandwidth:

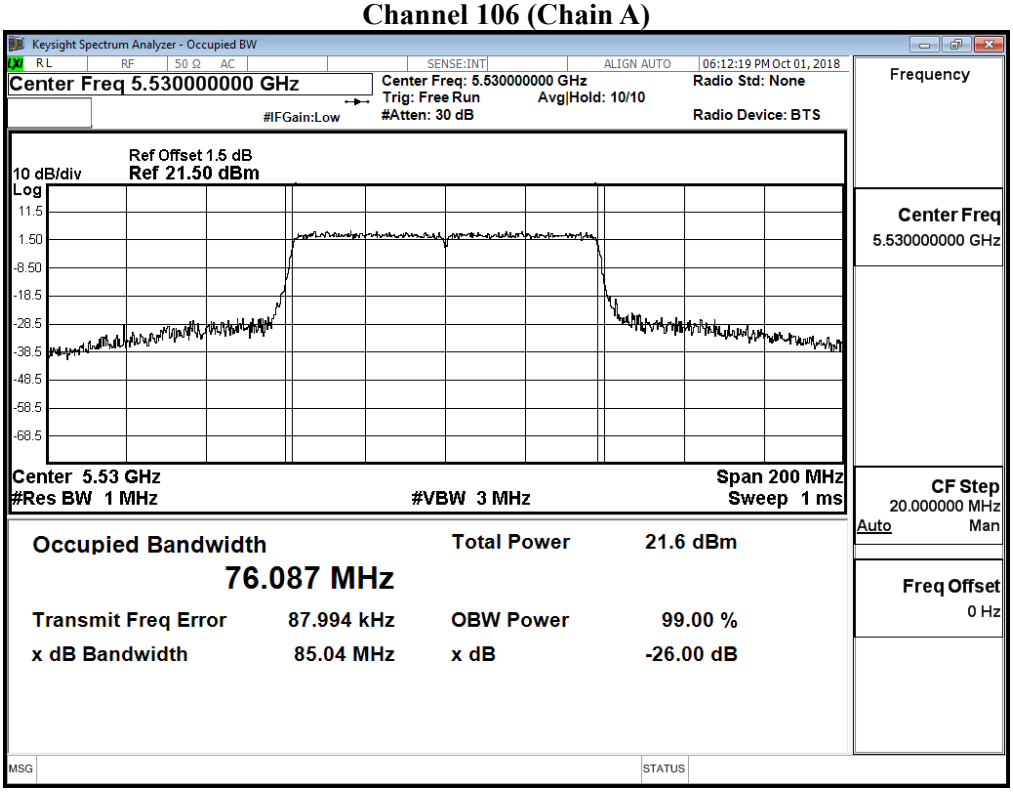
Channel 58 (Chain A)



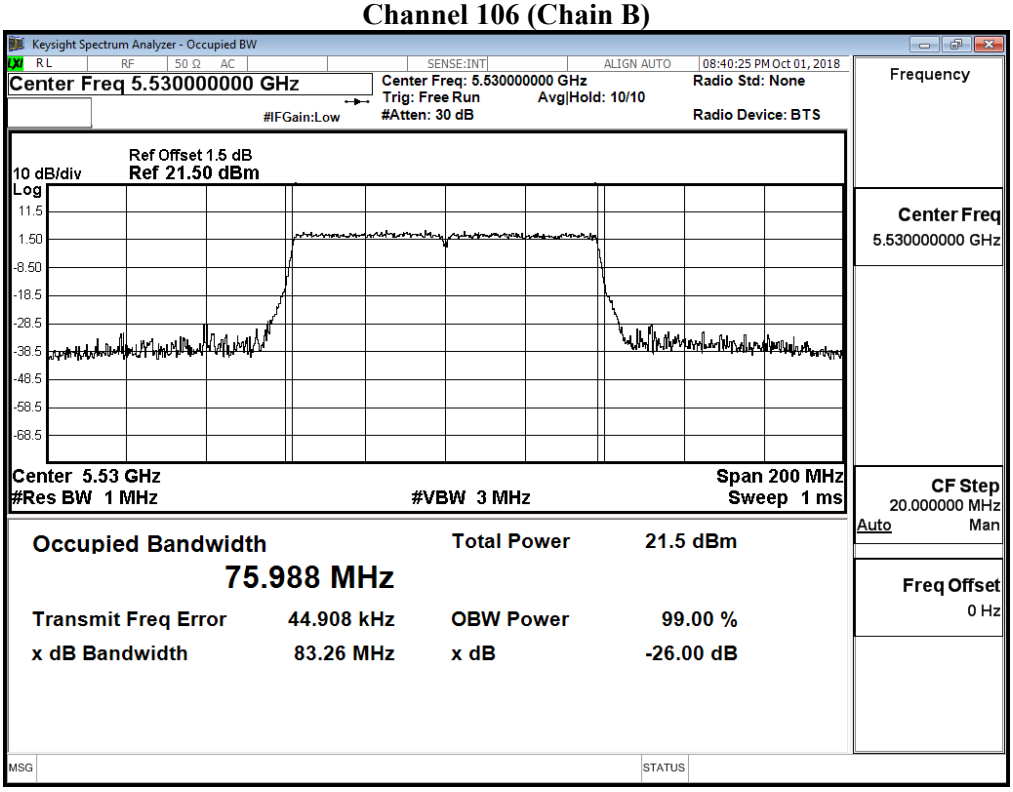
Channel 58 (Chain B)



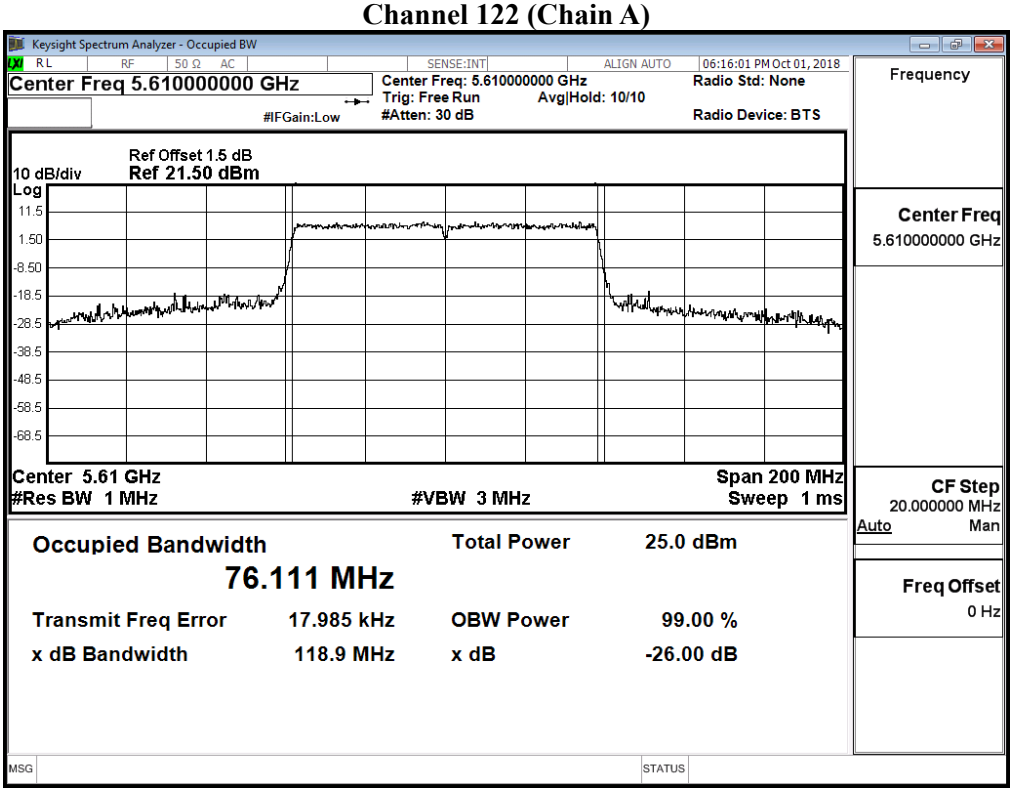
Channel 106 (Chain A)



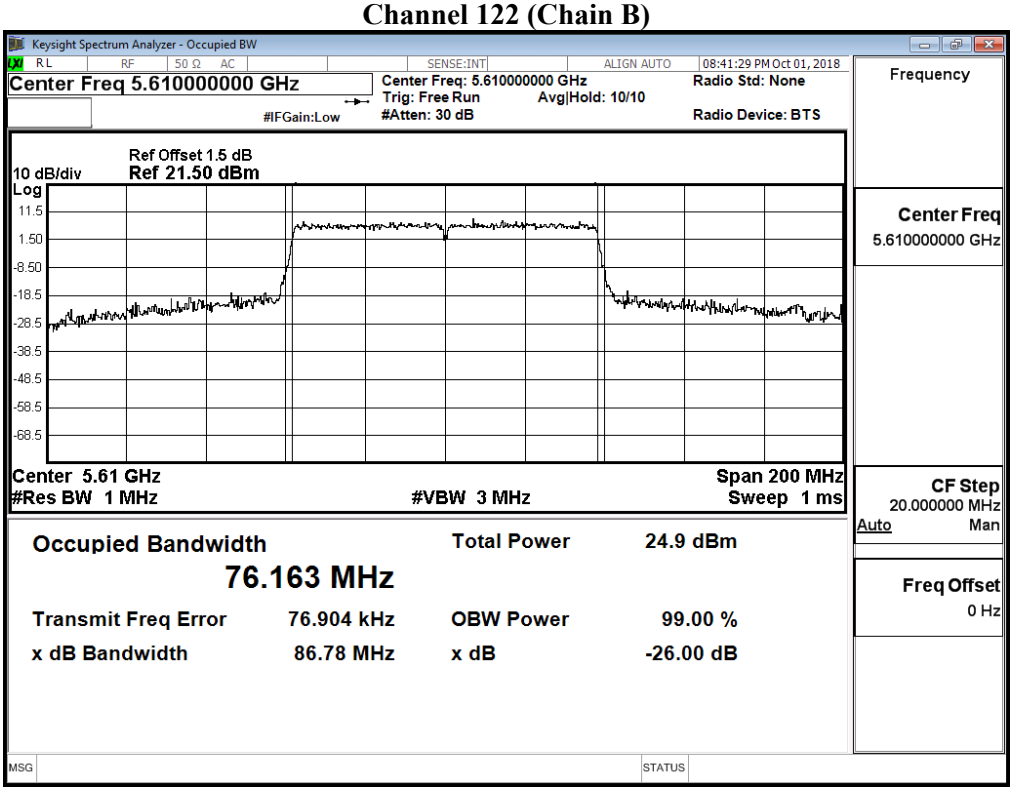
Channel 106 (Chain B)



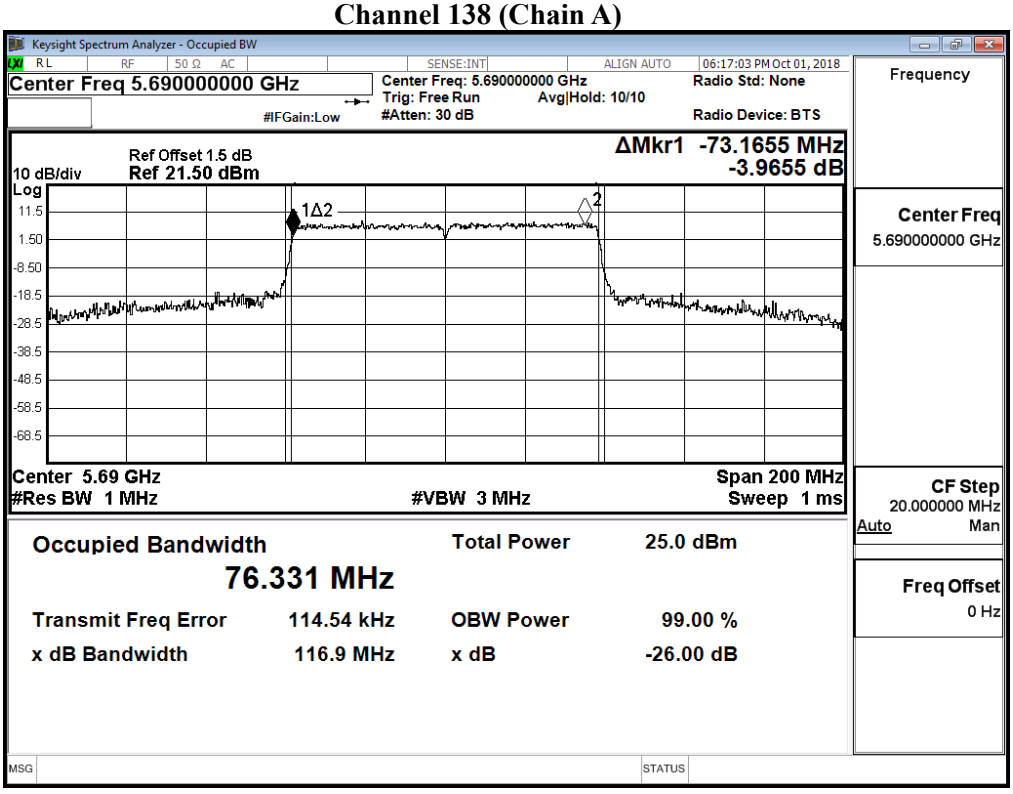
Channel 122 (Chain A)



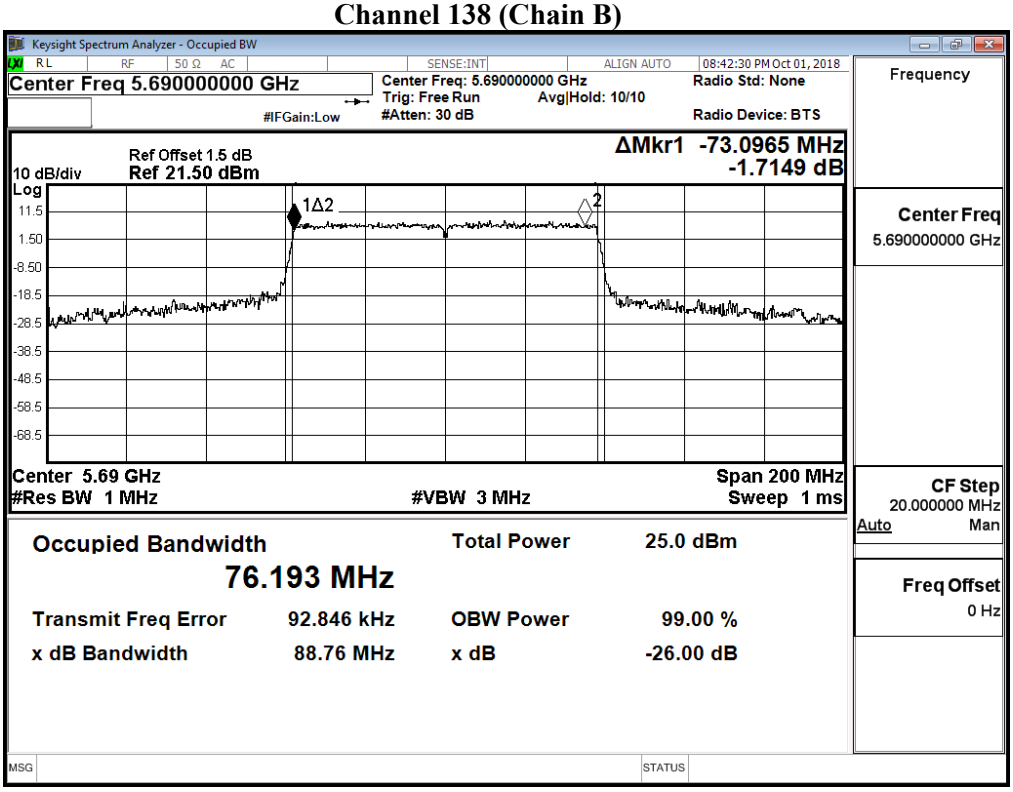
Channel 122 (Chain B)



Channel 138 (Chain A)

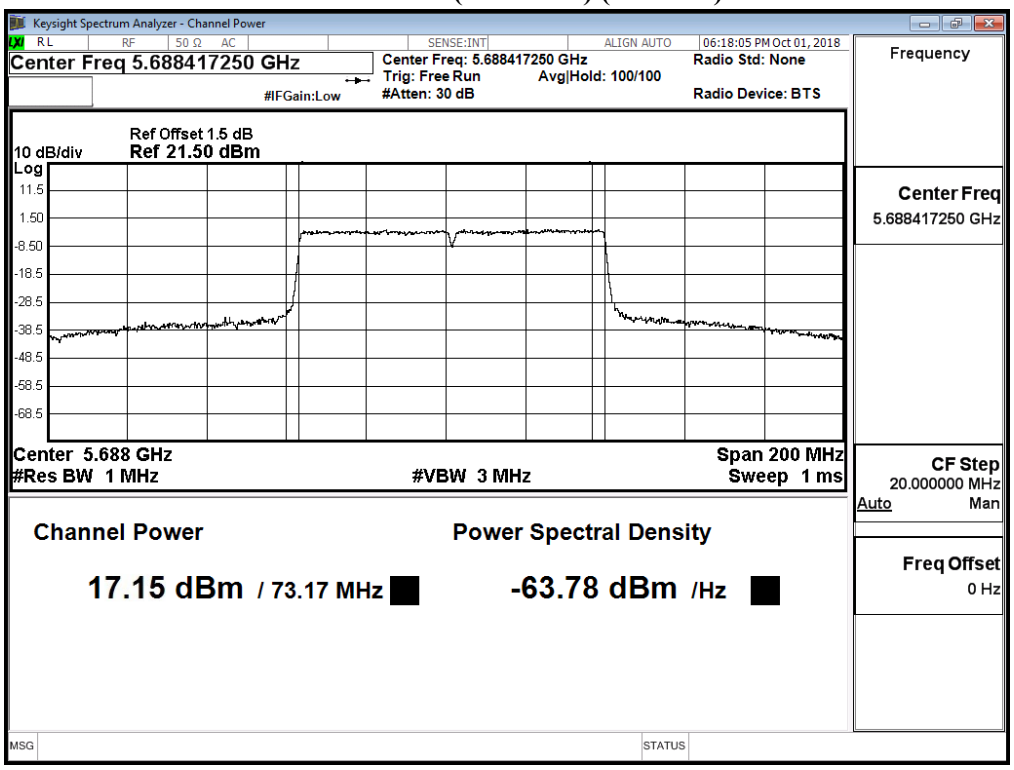


Channel 138 (Chain B)



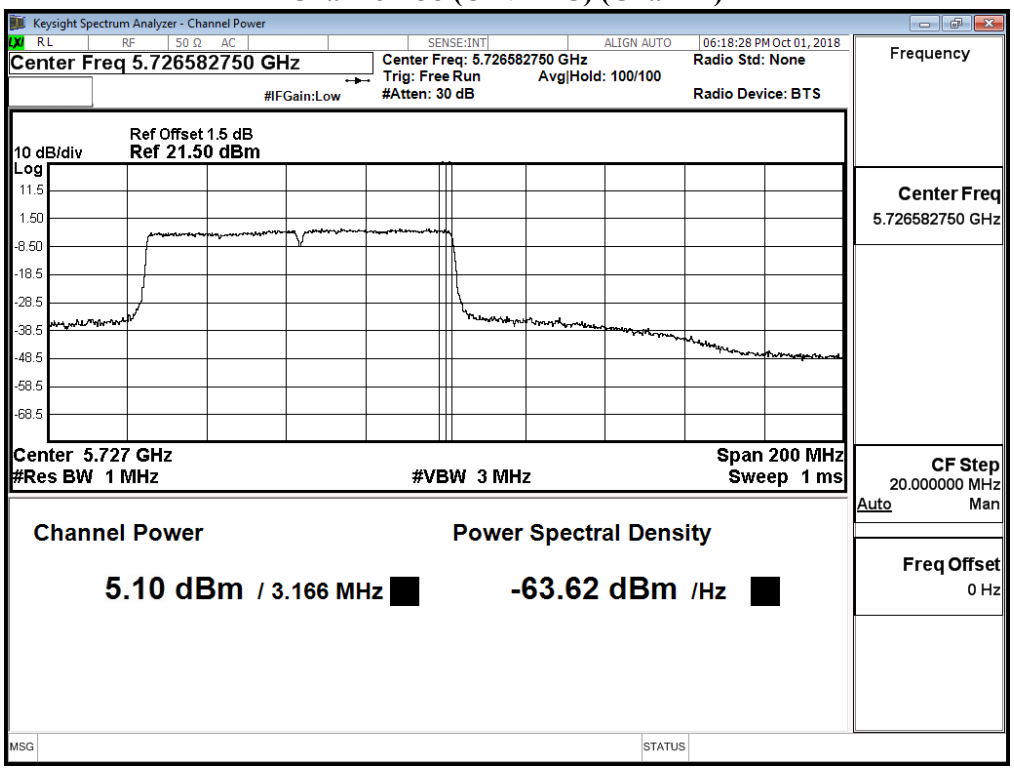
Maximum conducted output power:

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



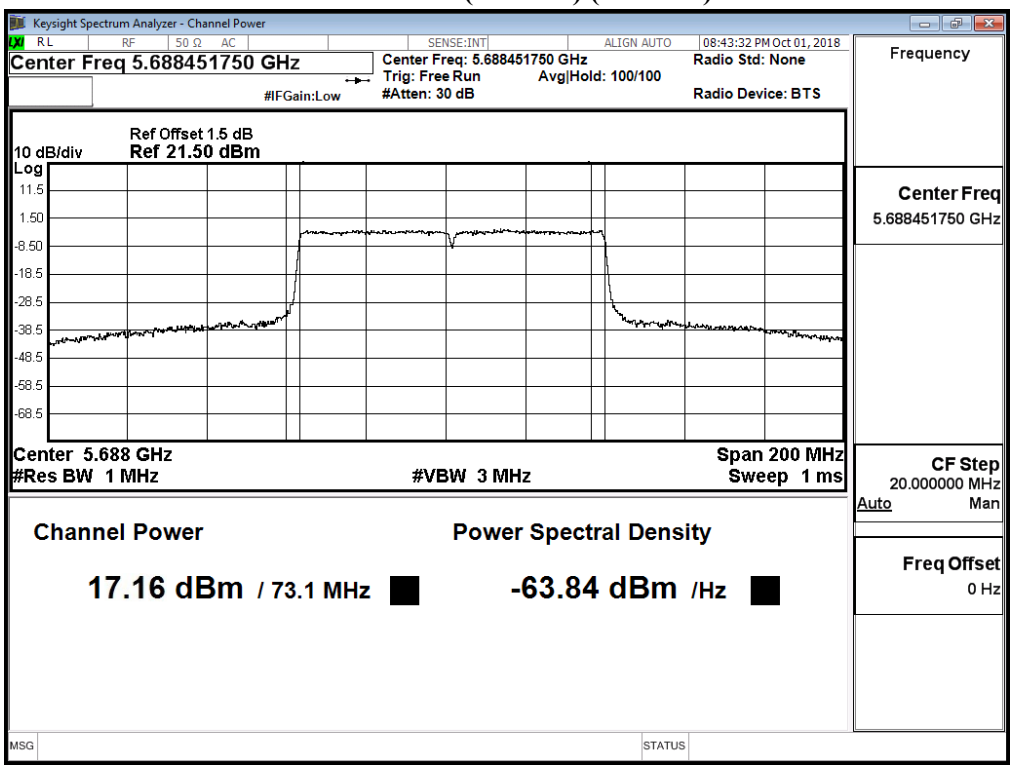
Maximum conducted output power:

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



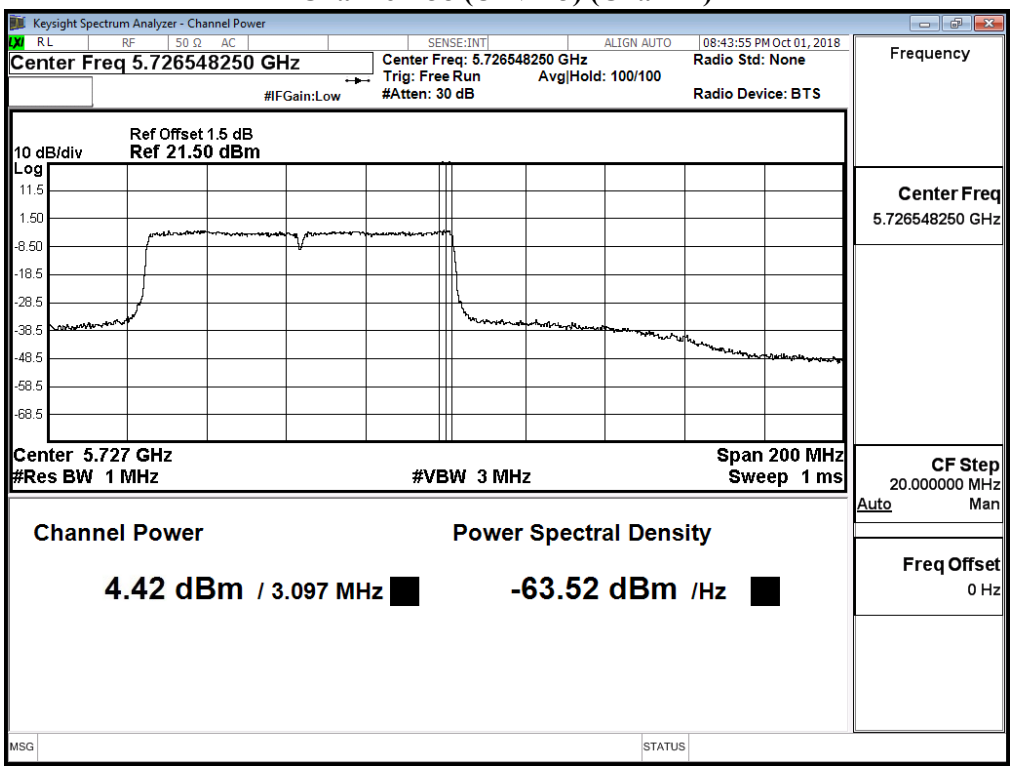
Maximum conducted output power:

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



Maximum conducted output power:

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



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
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 %

Chain A

Cable loss=1.5dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		130	260	390	520	780	1040	1170	1300	1560	1733.3
50 (U-NII-1)	5250	7.68	7.64	7.61	7.59	7.55	7.52	7.49	7.45	7.42	7.39
50 (U-NII-2A)	5250	8.15	8.12	8.09	8.06	8.01	7.99	7.94	7.92	7.89	7.84
114	5570	11.33	11.21	11.01	10.85	10.70	10.59	10.46	10.32	10.23	10.11

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		130	260	390	520	780	1040	1170	1300	1560	1733.3
50 (U-NII-1)	5250	7.78	7.75	7.74	7.69	7.64	7.62	7.59	7.55	7.51	7.48
50 (U-NII-2A)	5250	8.15	8.12	8.11	8.09	8.04	8.02	7.97	7.96	7.94	7.92
114	5570	11.49	11.21	11.04	10.95	10.82	10.76	10.68	10.57	10.41	10.35

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

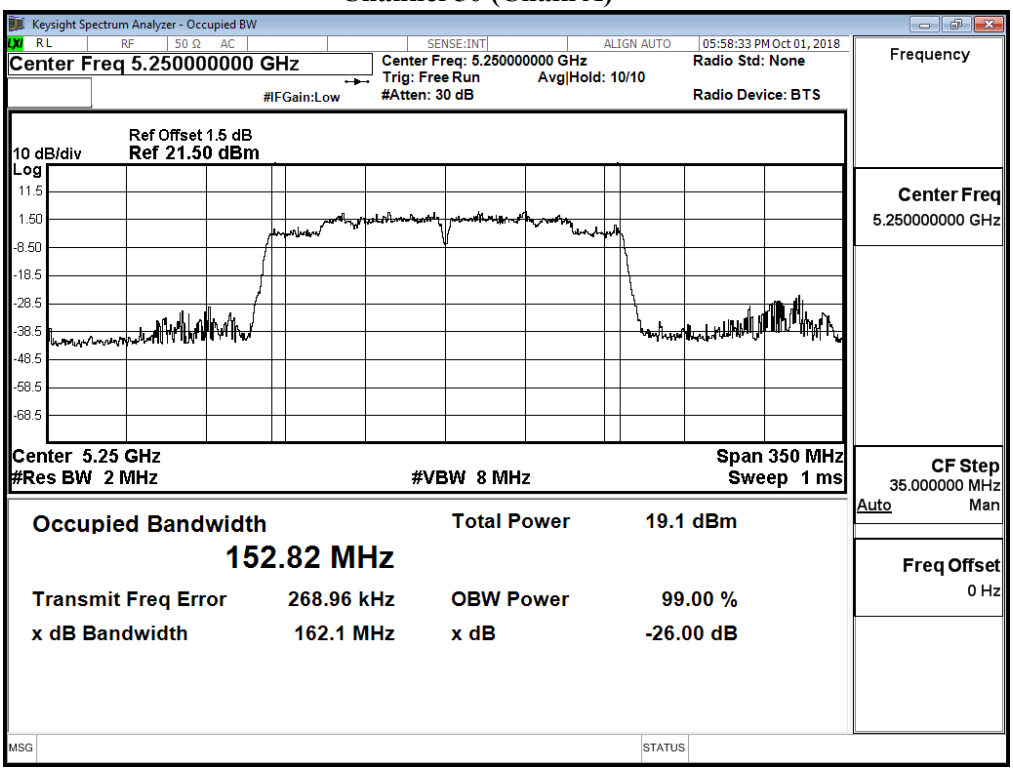
Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
50 (U-NII-1)	5250	--	7.680	7.780	10.74	24	--
50 (U-NII-2A)	5250	76.410	8.150	8.150	11.16	24	29.83
114	5570	152.920	11.330	11.490	14.42	24	32.84

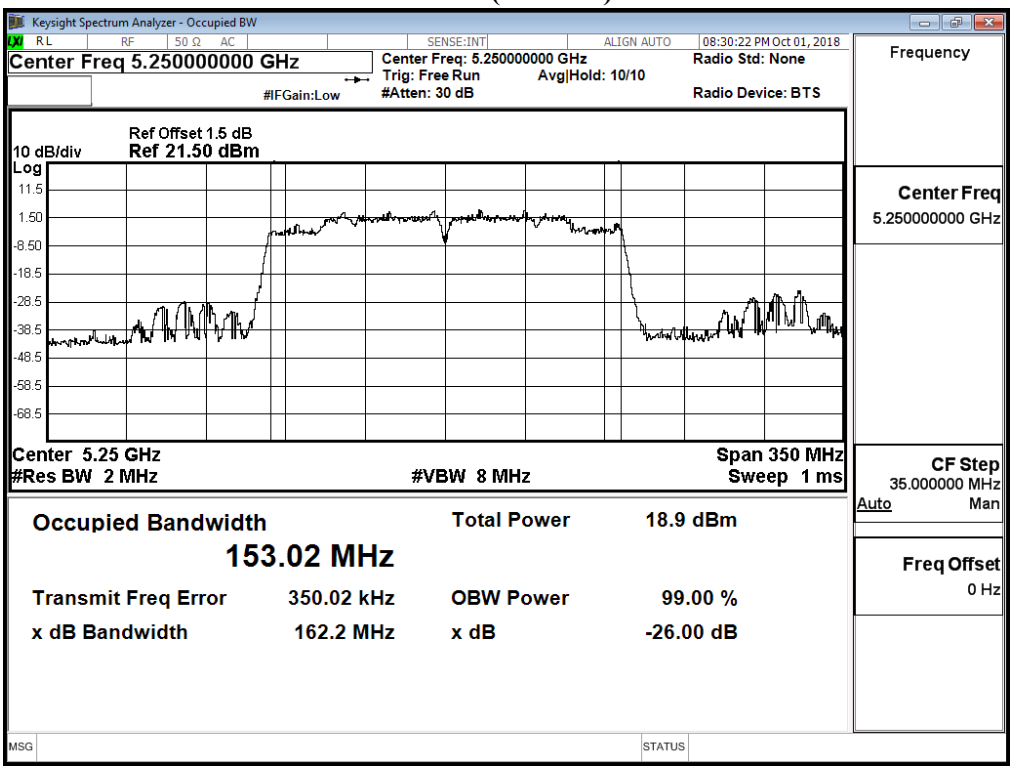
Note:
1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

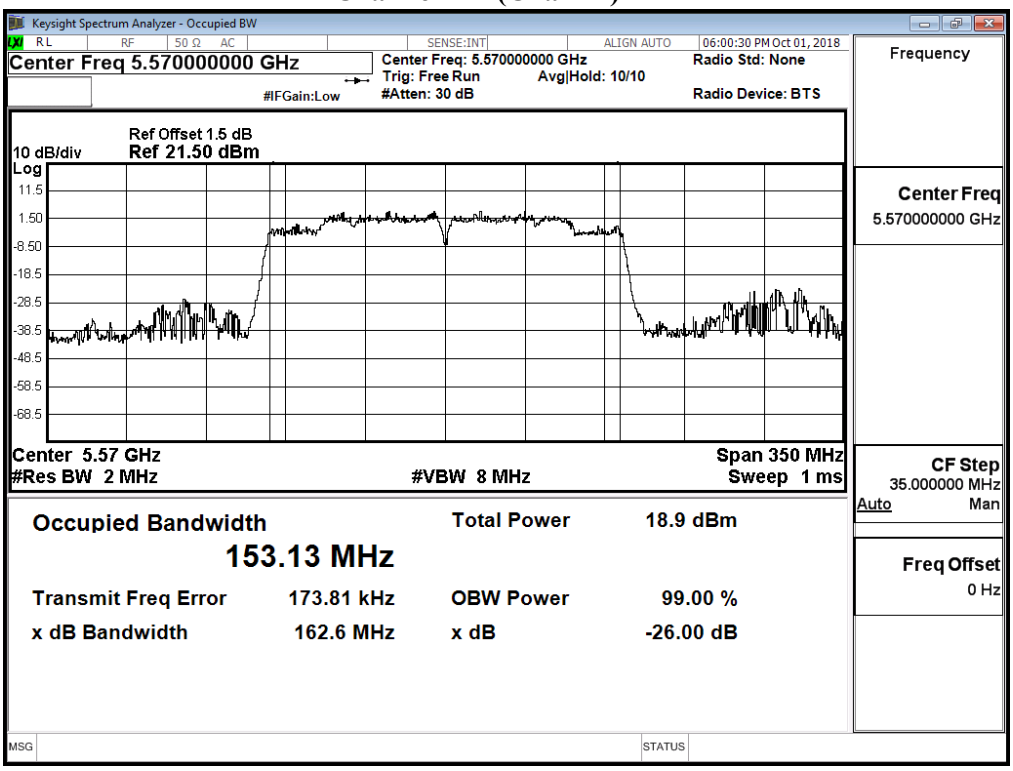
Channel 50 (Chain A)



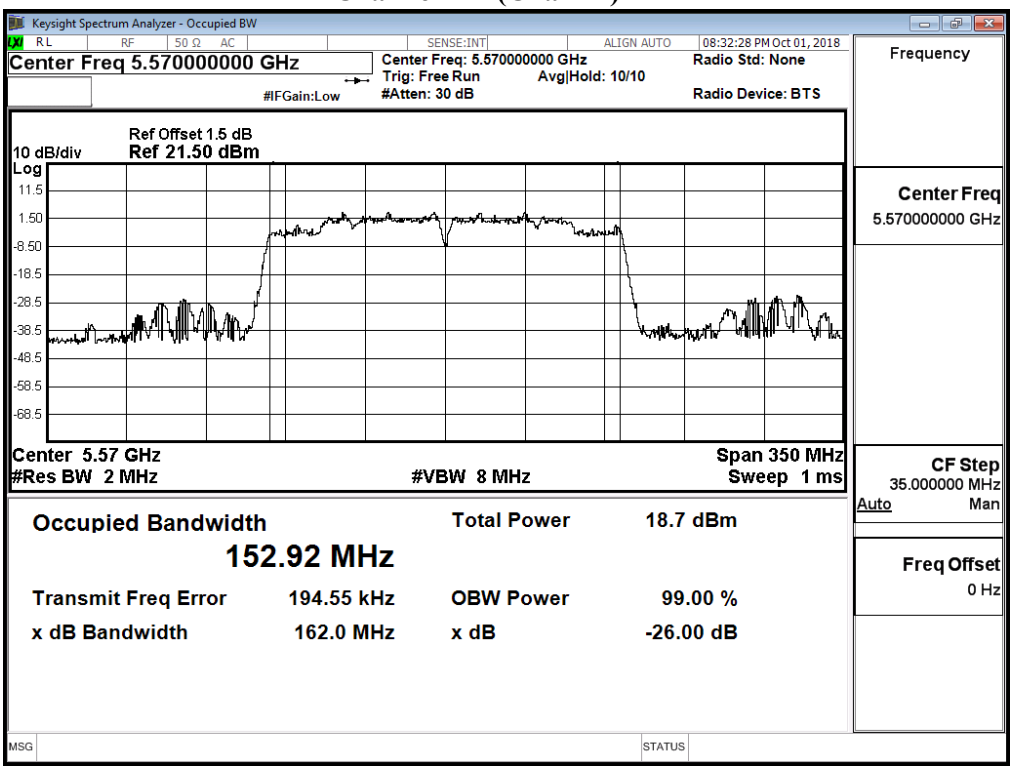
Channel 50 (Chain B)



Channel 114 (Chain A)

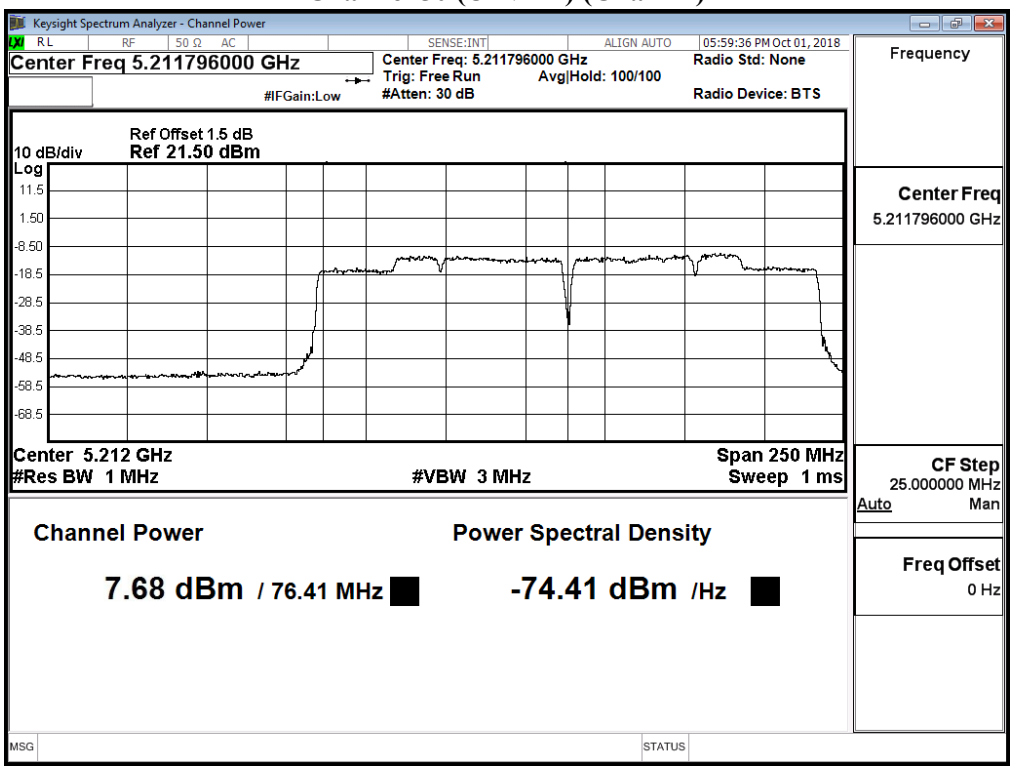


Channel 114 (Chain B)



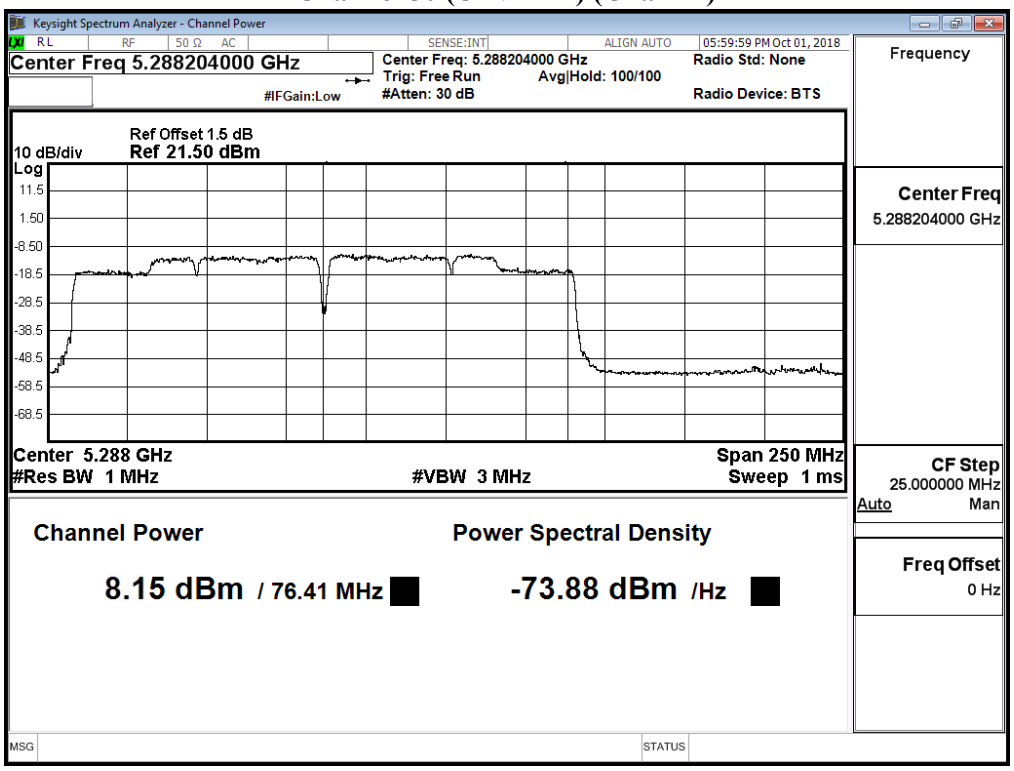
Maximum conducted output power:

Channel 50 (U-NII-1) (Chain A)



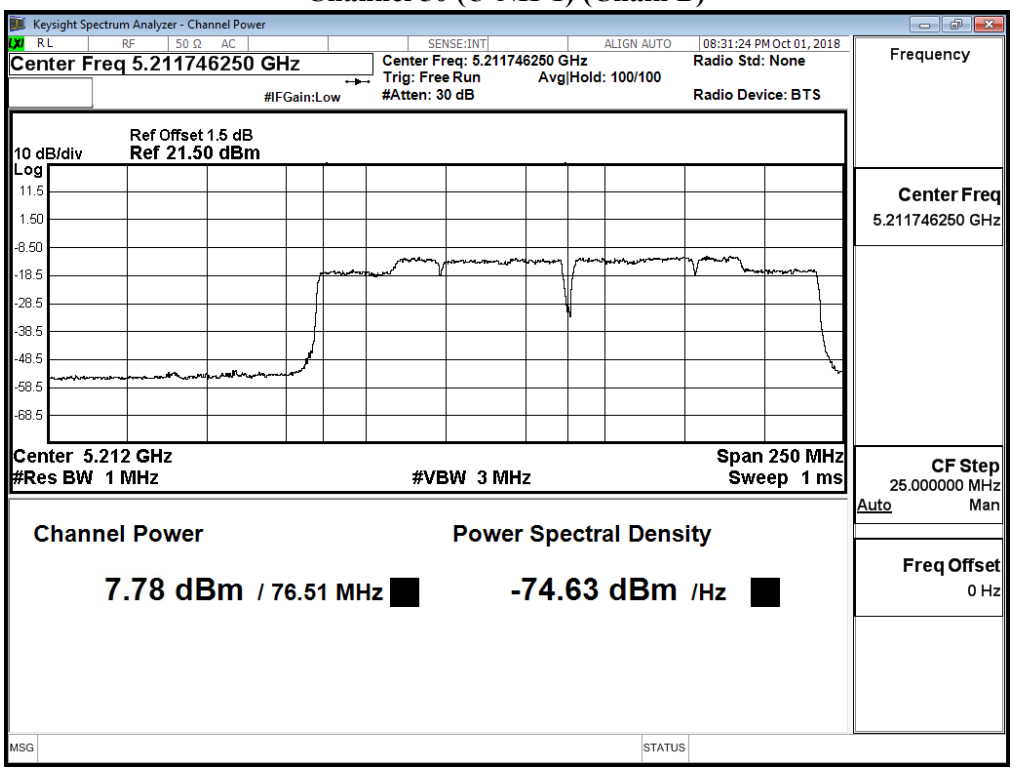
Maximum conducted output power:

Channel 50 (U-NII-2A) (Chain A)



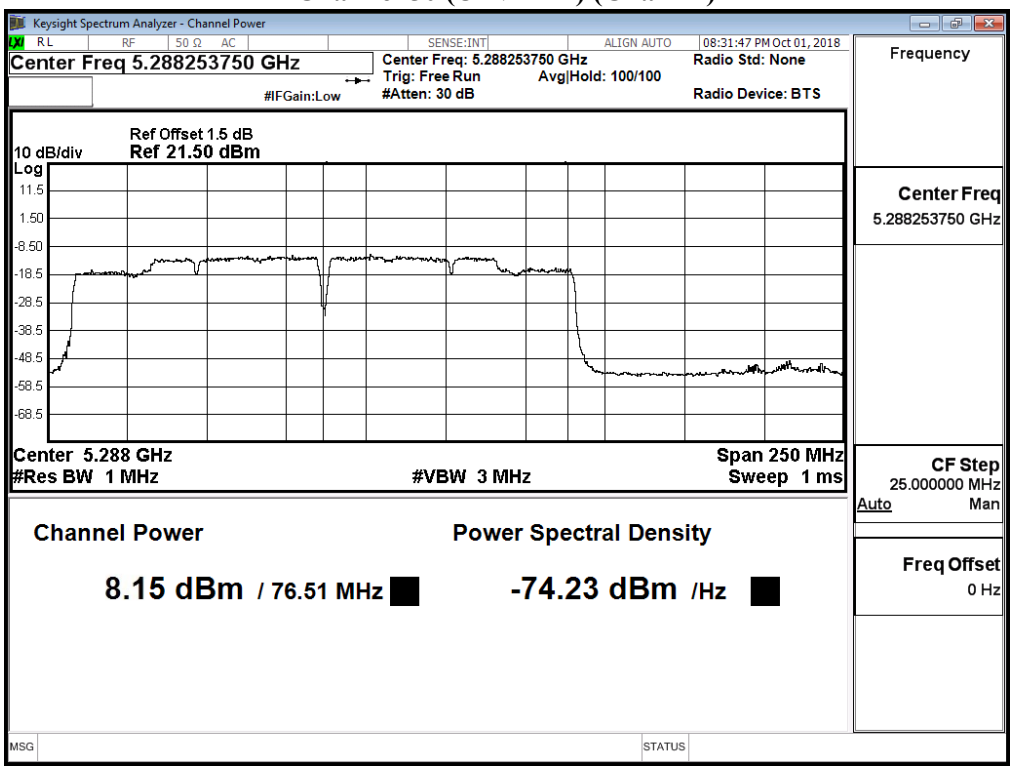
Maximum conducted output power:

Channel 50 (U-NII-1) (Chain B)



Maximum conducted output power:

Channel 50 (U-NII-2A) (Chain B)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測 試 項 目 ：峰值發射功率
測 試 頻 道 ：--　　測 試 模 式 ：Mode 1: SISO A: 發射器 802.11ax-20BW
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 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	18.12	--	--	--	--	--	--	--	--	--	--	--
44	5220	20.69	20.57	20.43	20.31	20.19	20.07	19.91	19.8	19.69	19.53	19.43	19.32
48	5240	20.23	--	--	--	--	--	--	--	--	--	--	--
52	5260	20.38	--	--	--	--	--	--	--	--	--	--	--
60	5300	19.74	19.62	19.51	19.48	19.31	19.26	19.24	19.18	19.16	19.12	19.08	18.99
64	5320	16.25	--	--	--	--	--	--	--	--	--	--	--
100	5500	17.18	--	--	--	--	--	--	--	--	--	--	--
116	5580	20.7	20.59	20.43	20.31	20.19	20.07	19.91	19.8	19.69	19.52	19.41	19.3
140	5700	17.19	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	19.19	19.17	19.15	19.14	19.13	19.11	19.09	19.05	19.03	19.02	18.97	18.96
144(U-NII-3)	5720	14.22	14.21	14.19	14.17	14.16	14.15	14.12	14.11	14.09	14.08	14.05	14.02
149	5745	20.8	--	--	--	--	--	--	--	--	--	--	--
157	5785	20.64	20.51	20.4	20.29	20.14	20.03	19.91	19.8	19.69	19.53	19.42	19.31
165	5825	20.73	--	--	--	--	--	--	--	--	--	--	--

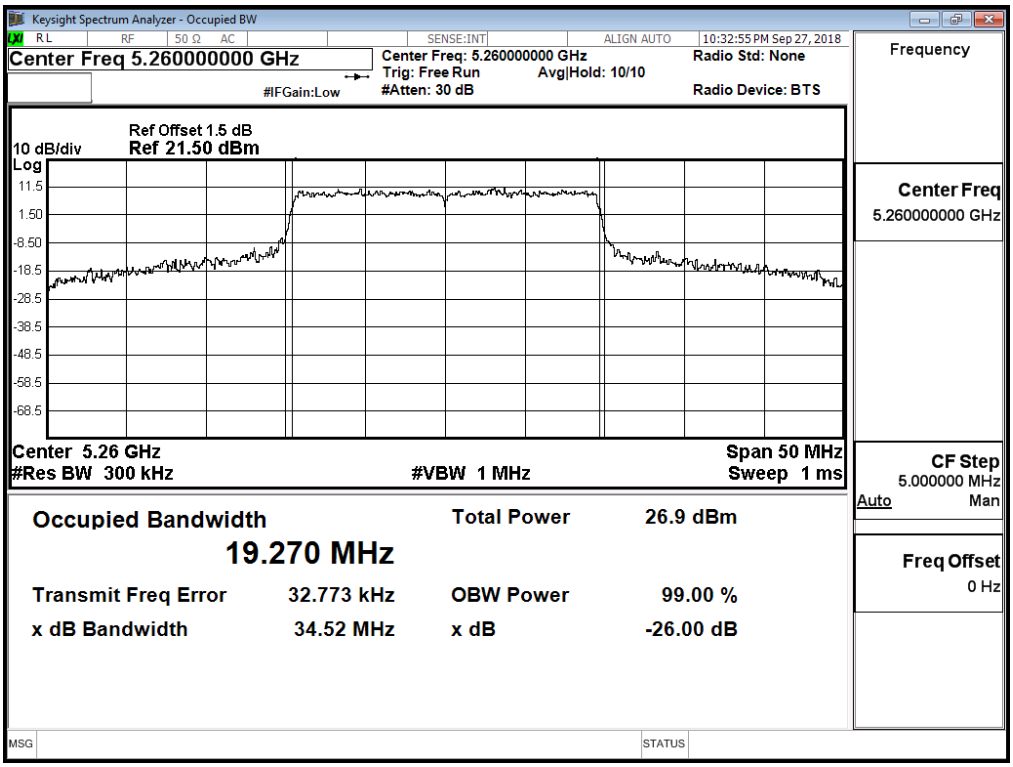
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

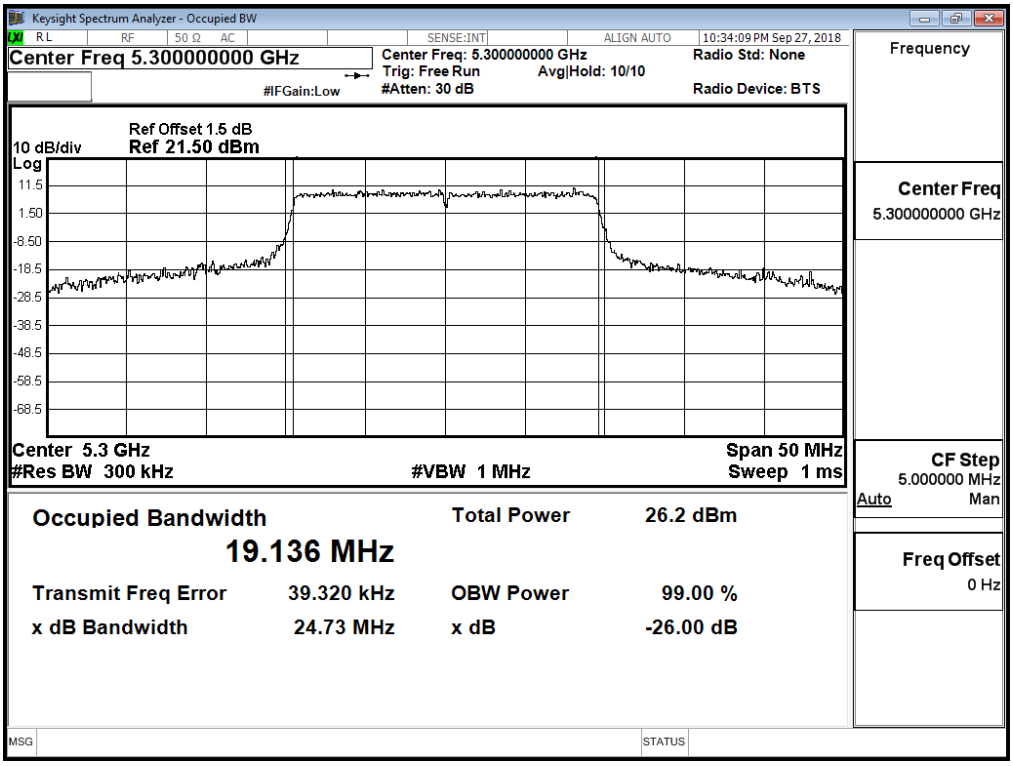
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	18.12	24	--
44	5220	--	20.69	24	--
48	5240	--	20.23	24	--
52	5260	19.270	20.38	24	23.85
60	5300	19.136	19.74	24	23.82
64	5320	19.043	16.25	24	23.80
100	5500	19.089	17.18	24	23.81
116	5580	19.421	20.7	24	23.88
140	5700	19.070	17.19	24	23.80
144(U-NII-2C)	5720	14.666	19.190	19.19	24
144(U-NII-3)	5720	--	14.220	14.22	30
149	5745	--	20.8	30	--
157	5785	--	20.64	30	--
165	5825	--	20.73	30	--

99% Occupied Bandwidth:

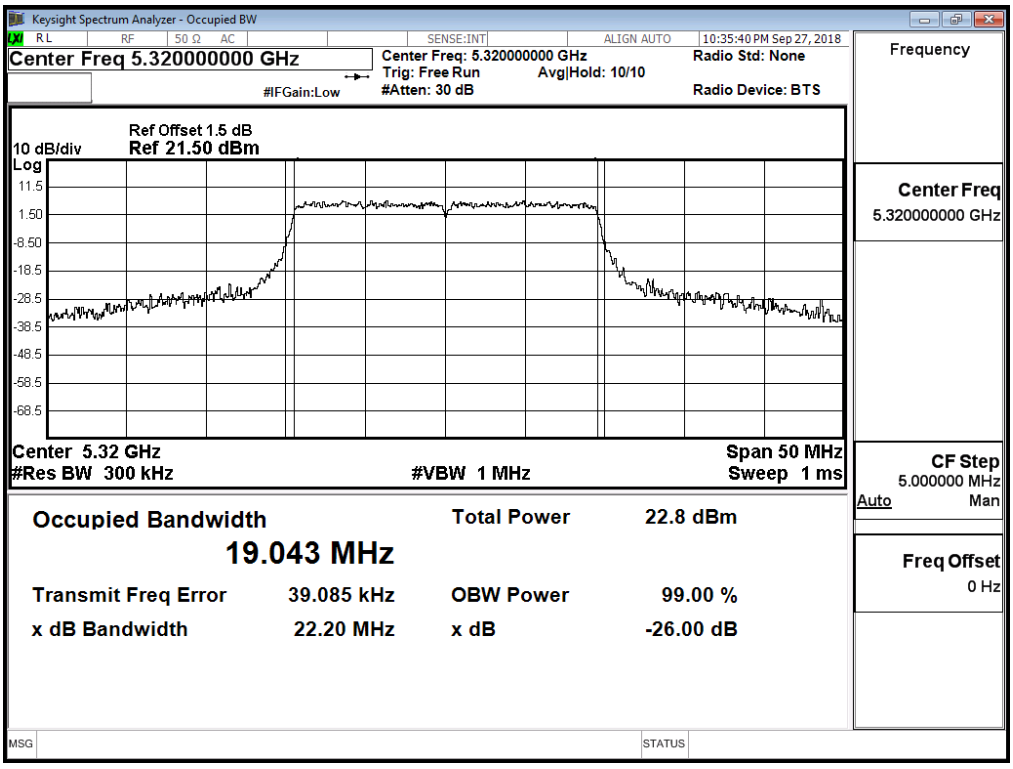
Channel 52



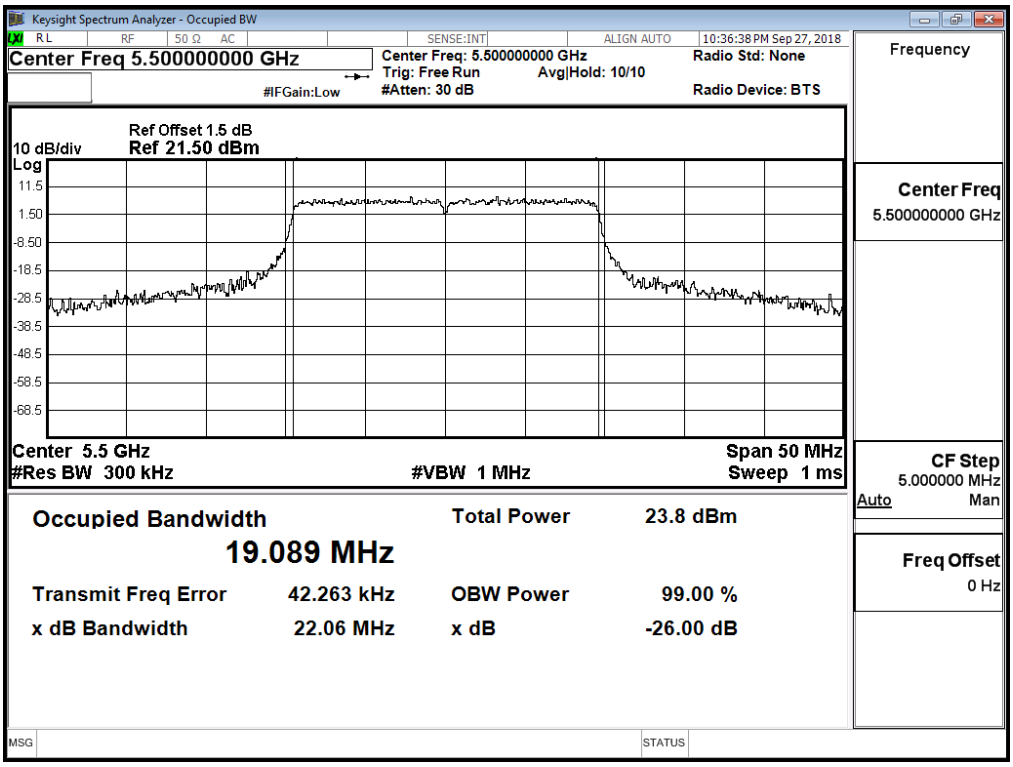
Channel 60



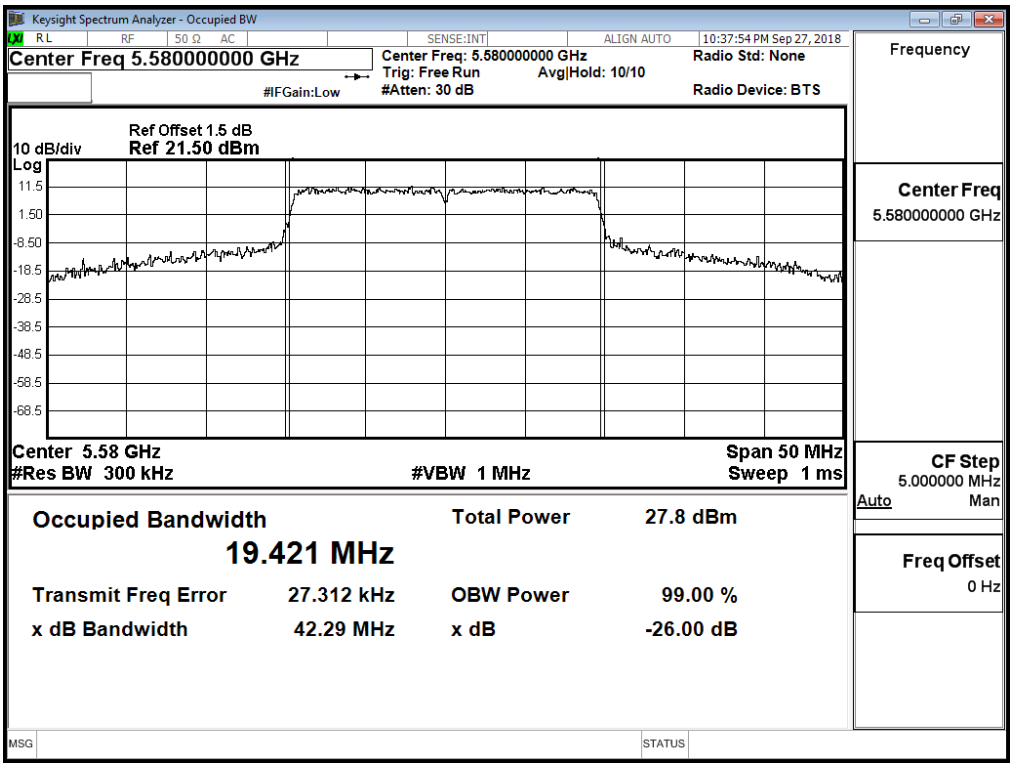
Channel 64



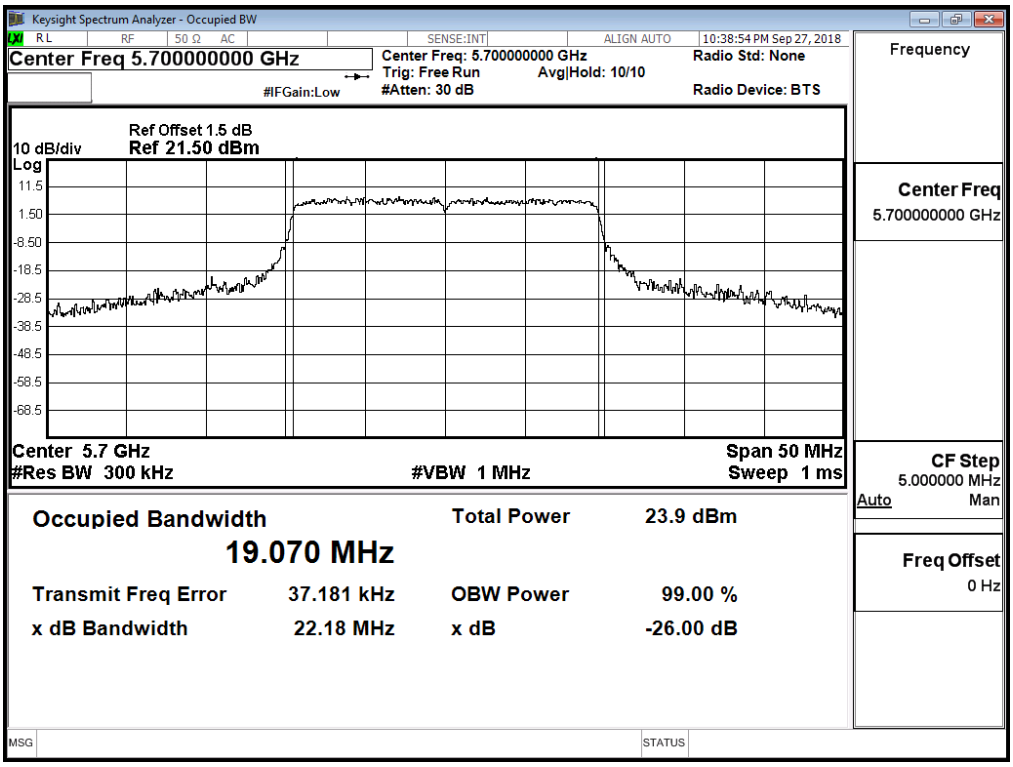
Channel 100



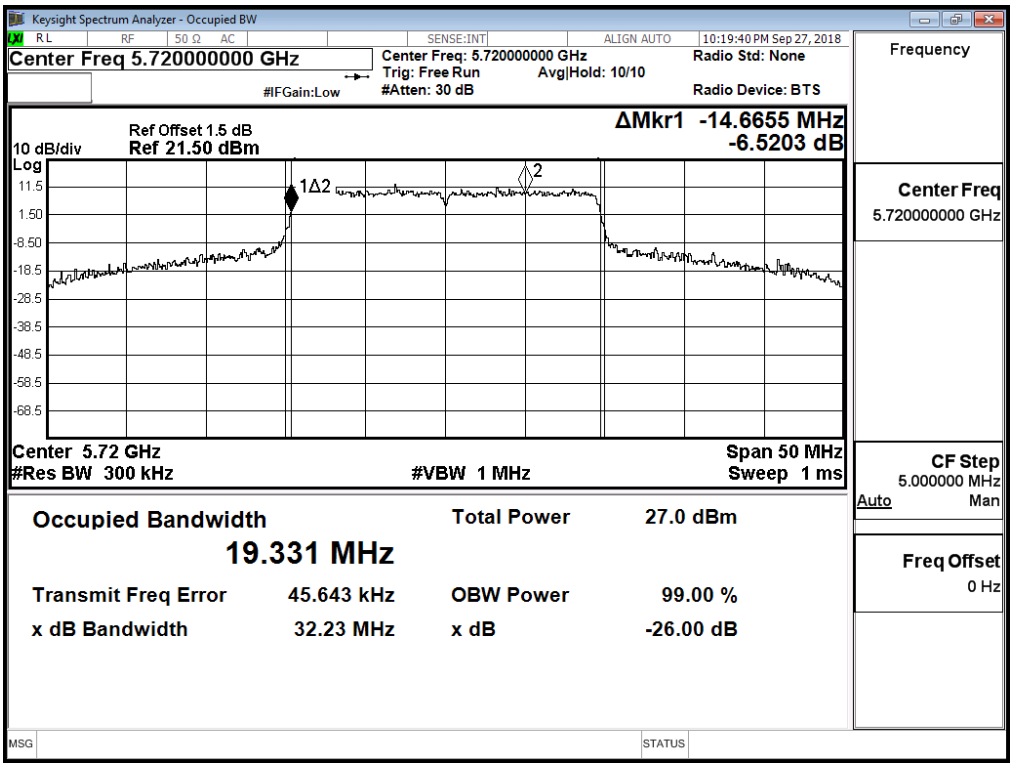
Channel 116



Channel 140

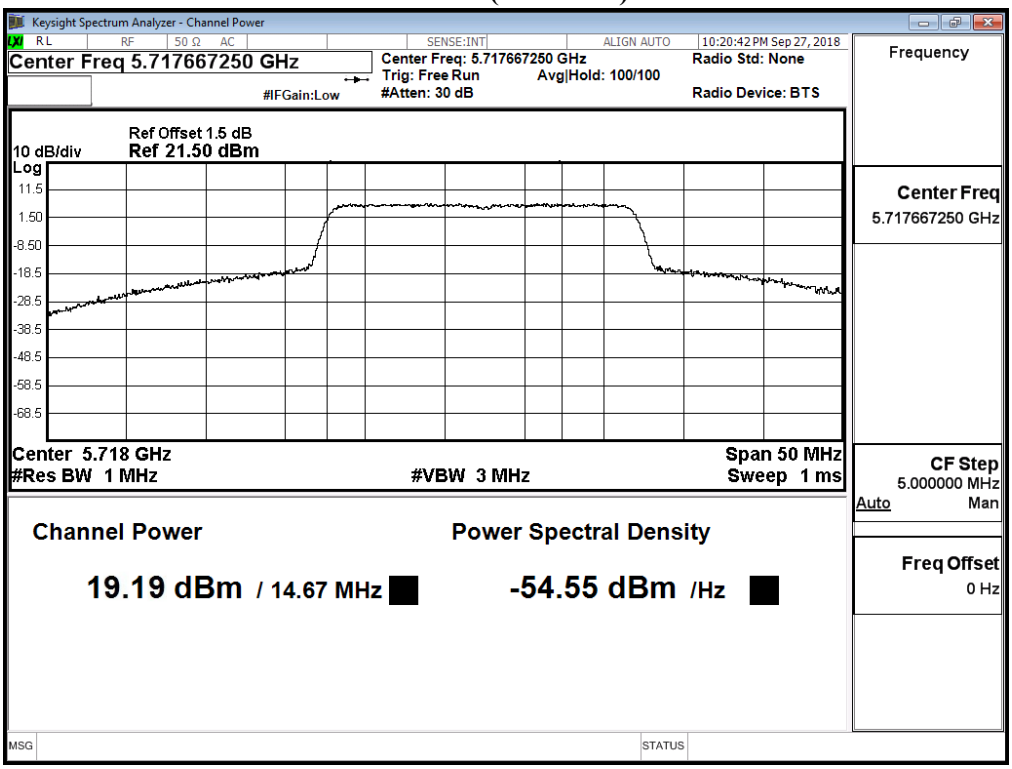


Channel 144


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
10:19:40 PM Sep 27, 2018
Center Freq 5.720000000 GHz
Center Freq: 5.720000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
Log
ΔMkr1 -14.6655 MHz
-6.5203 dB
1Δ2
2
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center Freq
5.720000000 GHz
Center 5.72 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 50 MHz
Sweep 1 ms
CF Step
5.000000 MHz
Auto
Man
Occupied Bandwidth
19.331 MHz
Total Power 27.0 dBm
Freq Offset
0 Hz
Transmit Freq Error 45.643 kHz
OBW Power 99.00 %
x dB Bandwidth 32.23 MHz
x dB -26.00 dB
MSG
STATUS

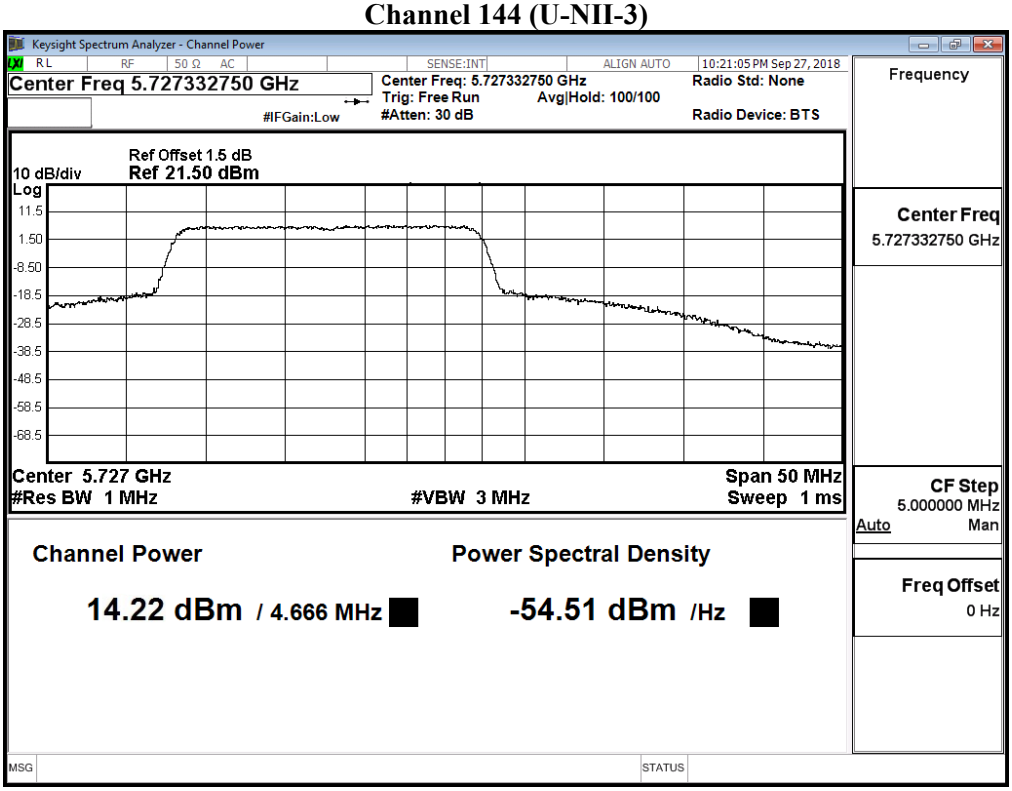
Maximum conducted output power:

Channel 144 (U-NII-2C)



Maximum conducted output power:

Channel 144 (U-NII-3)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
測試頻道：--　　測試模式：Mode 1: SISO A: 發射器 802.11ax-40BW
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 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	18.26	--	--	--	--	--	--	--	--	--	--	--
46	5230	20.04	19.92	19.81	19.8	19.72	19.61	19.5	19.48	19.33	19.23	19.19	19.07
54	5270	19.77	--	--	--	--	--	--	--	--	--	--	--
62	5310	16.26	16.16	16.08	16.02	15.97	15.91	15.82	15.76	15.64	15.58	15.42	15.32
102	5510	17.11	--	--	--	--	--	--	--	--	--	--	--
110	5550	20.61	20.52	20.51	20.49	20.43	20.4	20.38	20.34	20.32	20.27	20.25	20.2
134	5670	19.59	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	19.81	19.79	19.78	19.75	19.74	19.72	19.69	19.64	19.62	19.61	19.59	19.51
142(U-NII-3)	5710	10.25	10.22	10.21	10.19	10.16	10.14	10.11	10.09	10.05	10.02	10.01	9.99
151	5755	20.83	--	--	--	--	--	--	--	--	--	--	--
159	5795	20.77	20.62	20.51	20.4	20.29	20.15	20.04	19.91	19.8	19.68	19.53	19.42

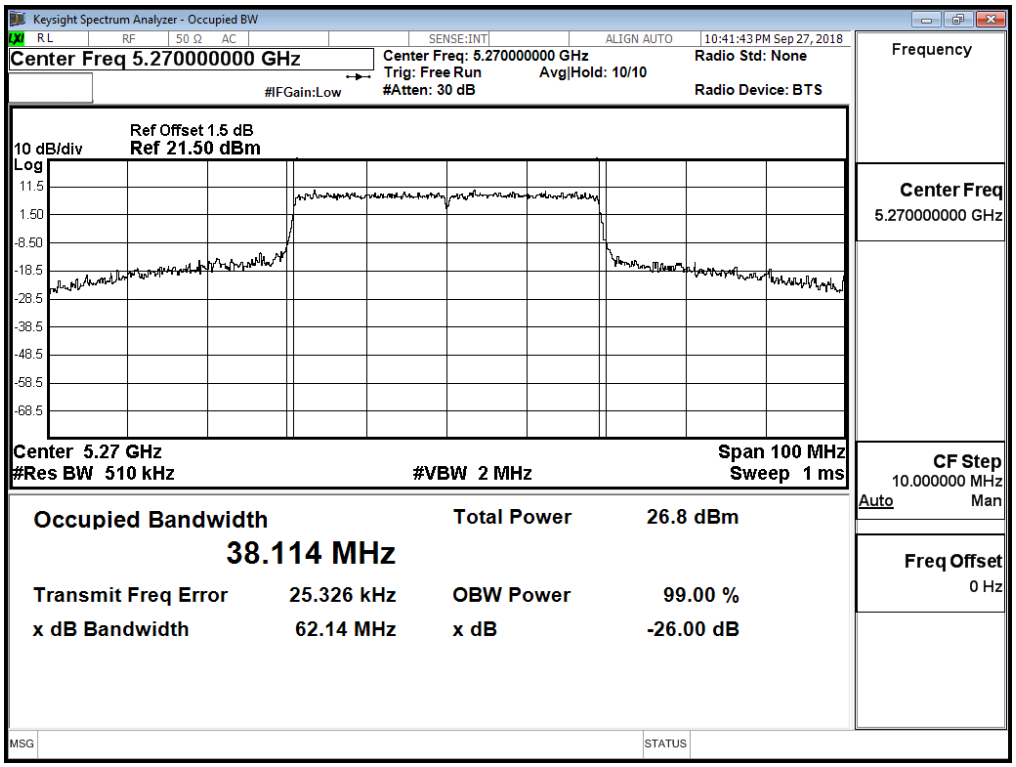
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

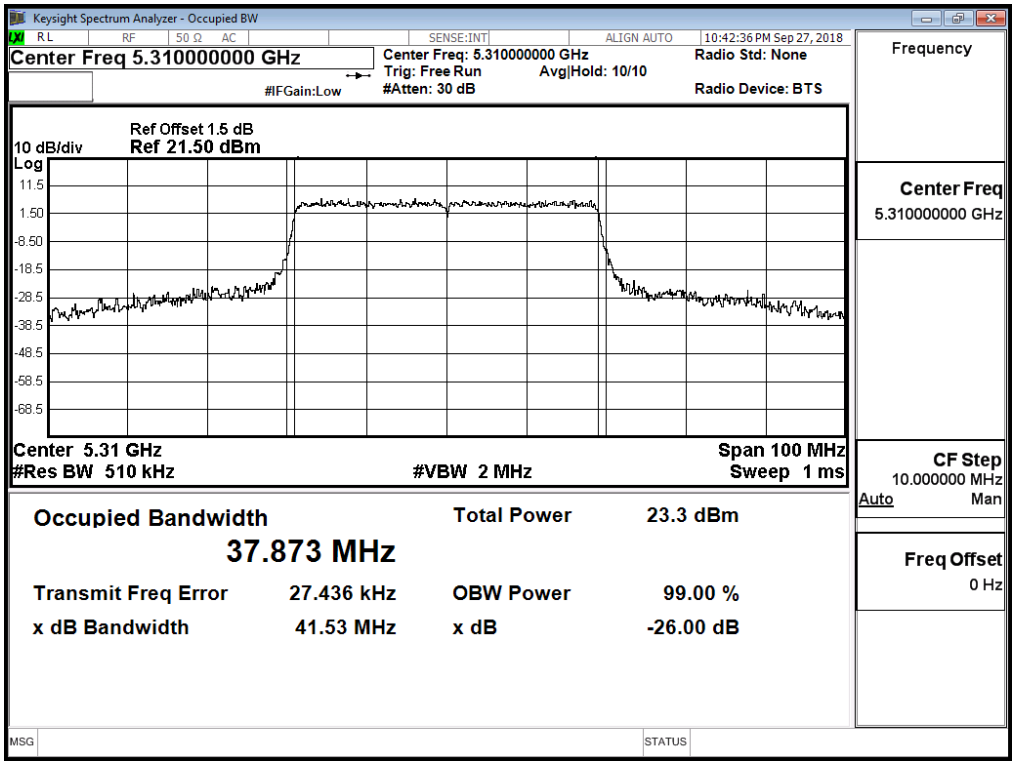
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
38	5190	--	18.26	24	--
46	5230	--	20.04	24	--
54	5270	38.114	19.77	24	26.81
62	5310	37.873	16.26	24	26.78
102	5510	37.907	17.11	24	26.79
110	5550	38.323	20.61	24	26.83
134	5670	38.179	19.59	24	26.82
142(U-NII-2C)	5710	34.176	19.810	19.81	24
142(U-NII-3)	5710	--	10.250	10.25	30
151	5755	--	20.83	30	--
159	5795	--	20.77	30	--

99% Occupied Bandwidth:

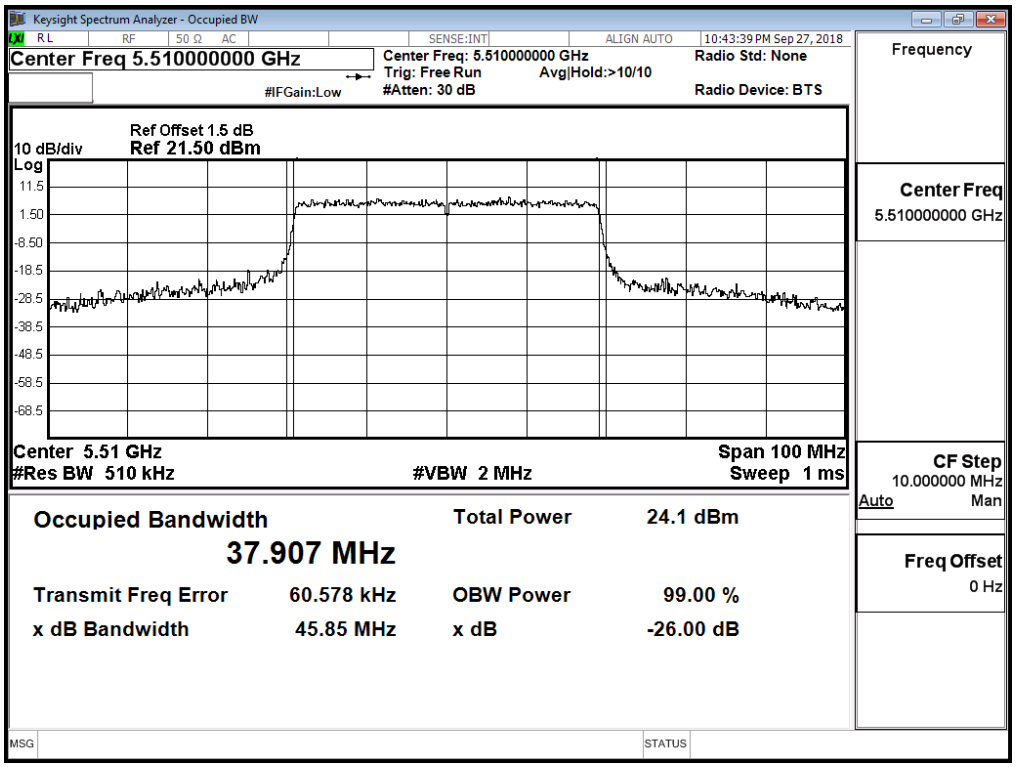
Channel 54



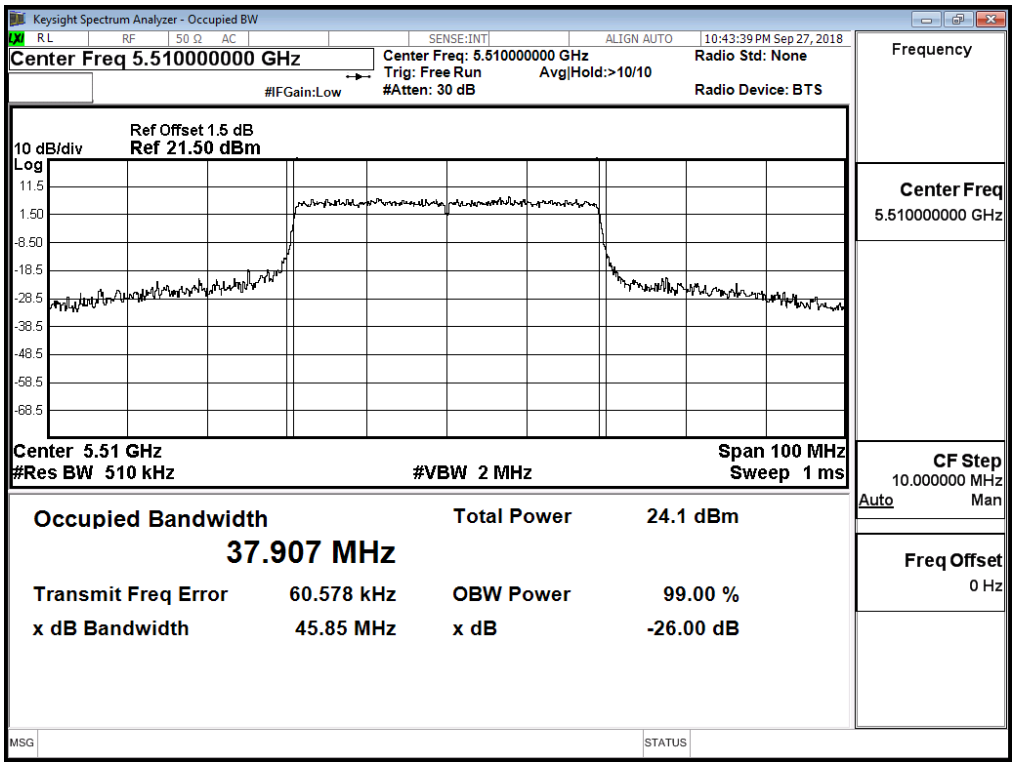
Channel 62



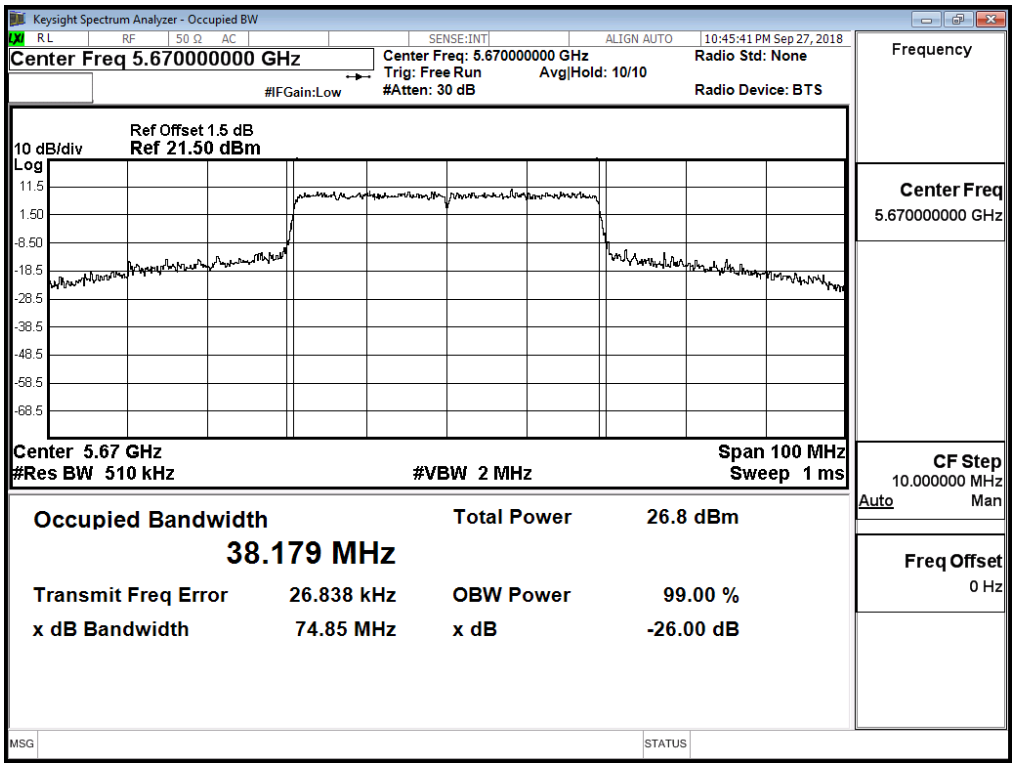
Channel 102



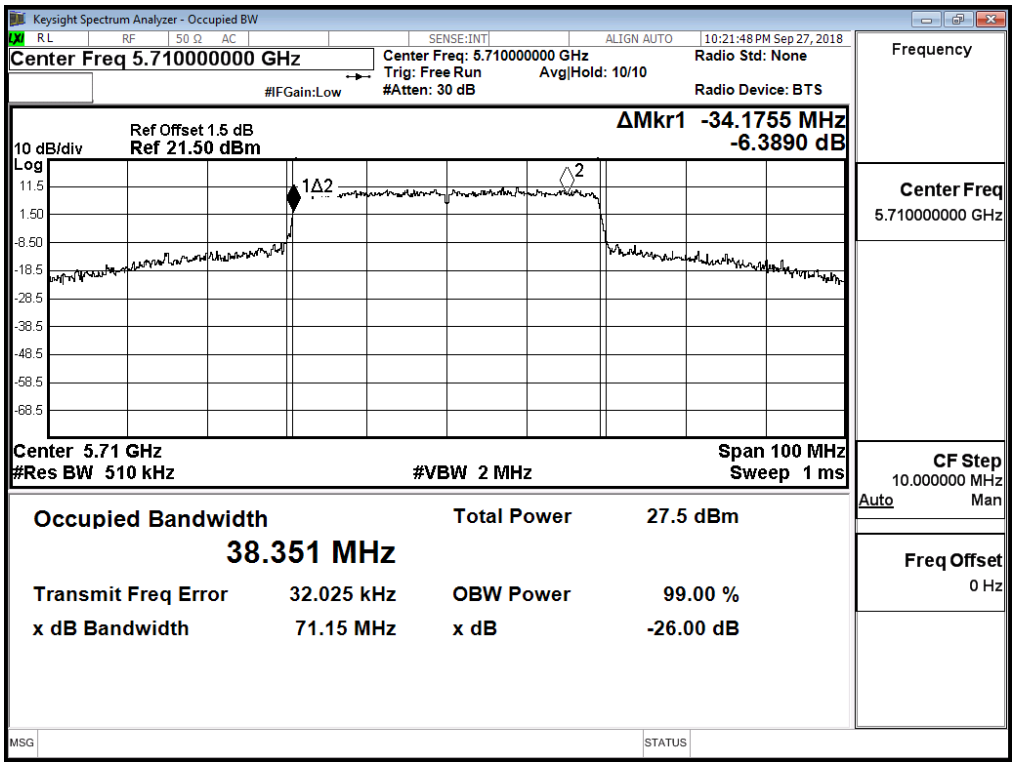
Channel 110



Channel 134

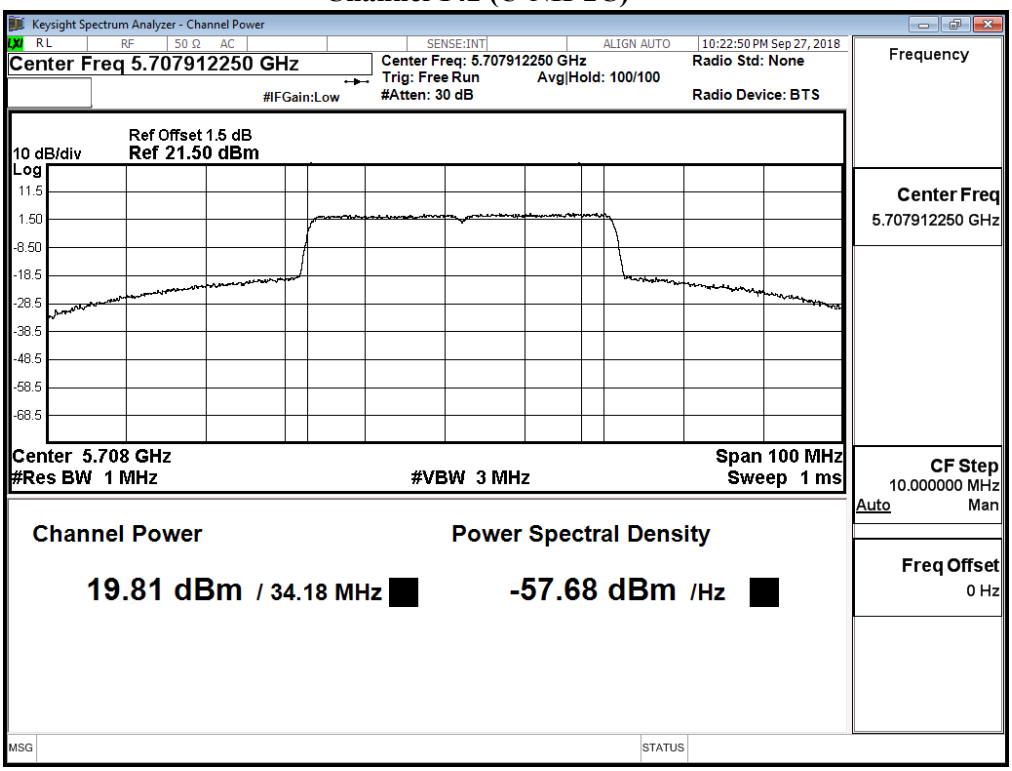


Channel 142



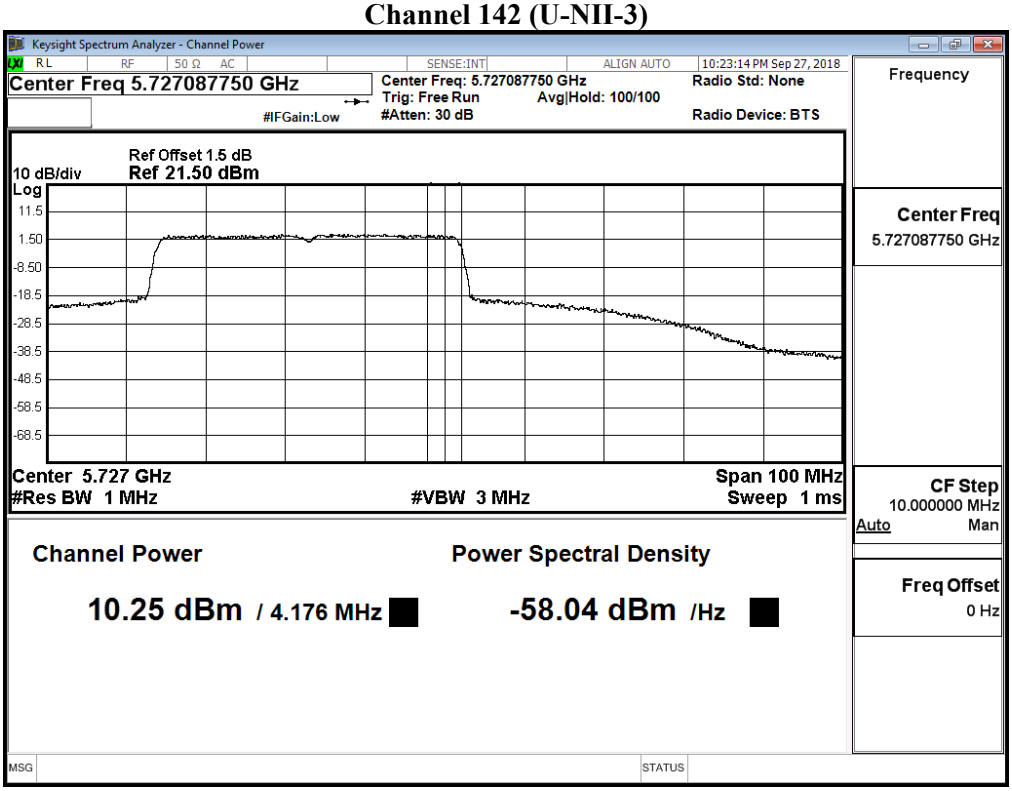
Maximum conducted output power:

Channel 142 (U-NII-2C)



Maximum conducted output power:

Channel 142 (U-NII-3)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
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 09 月 26 日　　環境濕度：53 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	18.47	18.44	18.41	18.36	18.32	18.3	18.27	18.24	18.22	18.19	18.16	18.15
58	5290	17.79	17.7	17.68	17.62	17.61	17.59	17.55	17.52	17.51	17.46	17.43	17.41
106	5530	17.71	--	--	--	--	--	--	--	--	--	--	--
122	5610	20.73	20.72	20.71	20.64	20.6	20.58	20.53	20.52	20.48	20.47	20.41	20.35
138 (U-NII-2C)	5690	19.85	--	--	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	8.9	--	--	--	--	--	--	--	--	--	--	--
155	5775	19.64	19.62	19.58	19.57	19.52	19.51	19.49	19.43	19.42	19.38	19.36	19.35

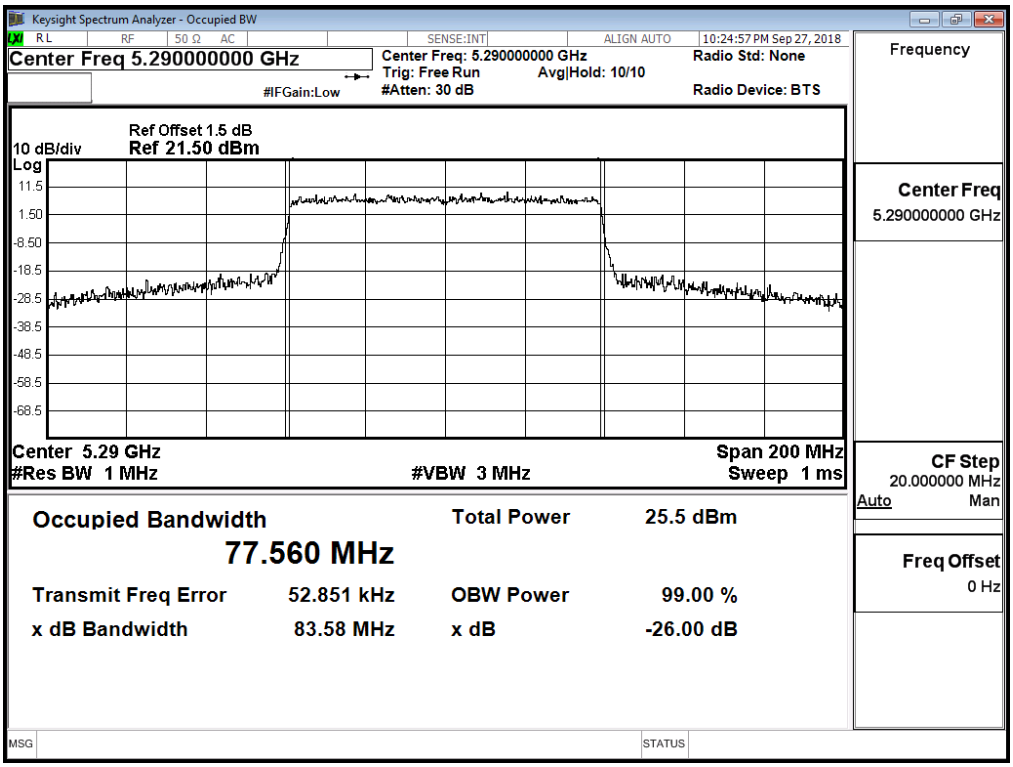
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

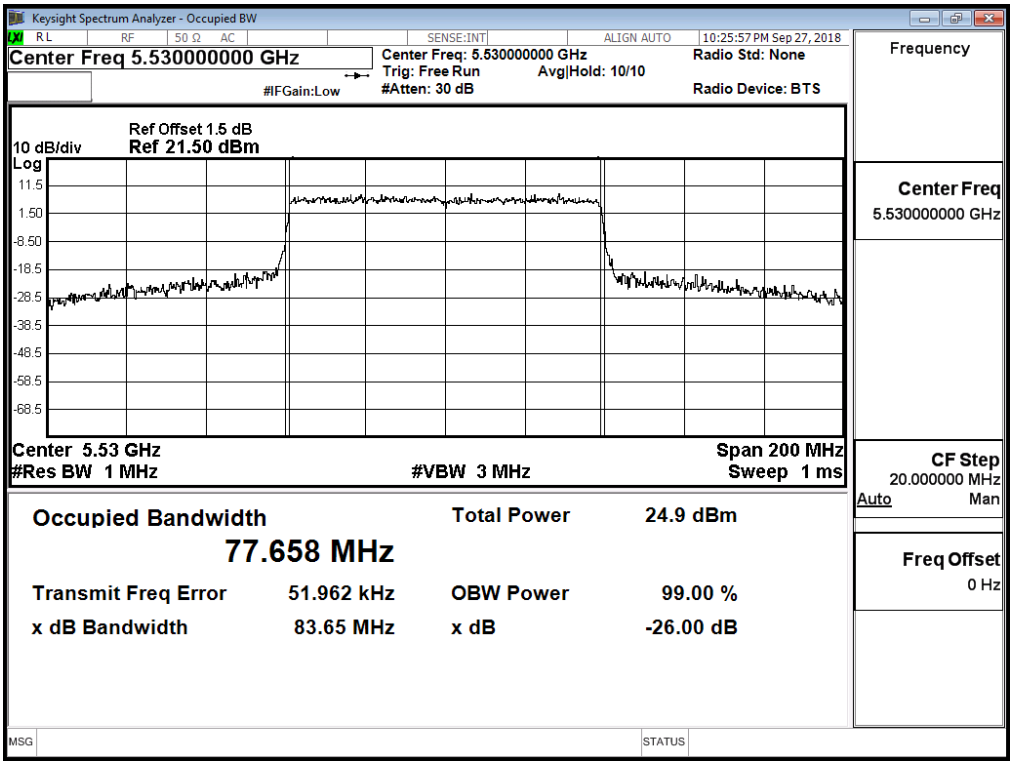
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
42	5210	--	18.470	18.47	24
58	5290	77.560	17.790	17.79	24
106	5530	77.658	17.710	17.71	24
122	5610	79.126	20.730	20.73	24
138 (U-NII-2C)	5690	76.134	19.850	19.85	24
138 (U-NII-3)	5690	6.134	8.900	8.90	30
155	5775	--	19.640	19.64	30

99% Occupied Bandwidth:

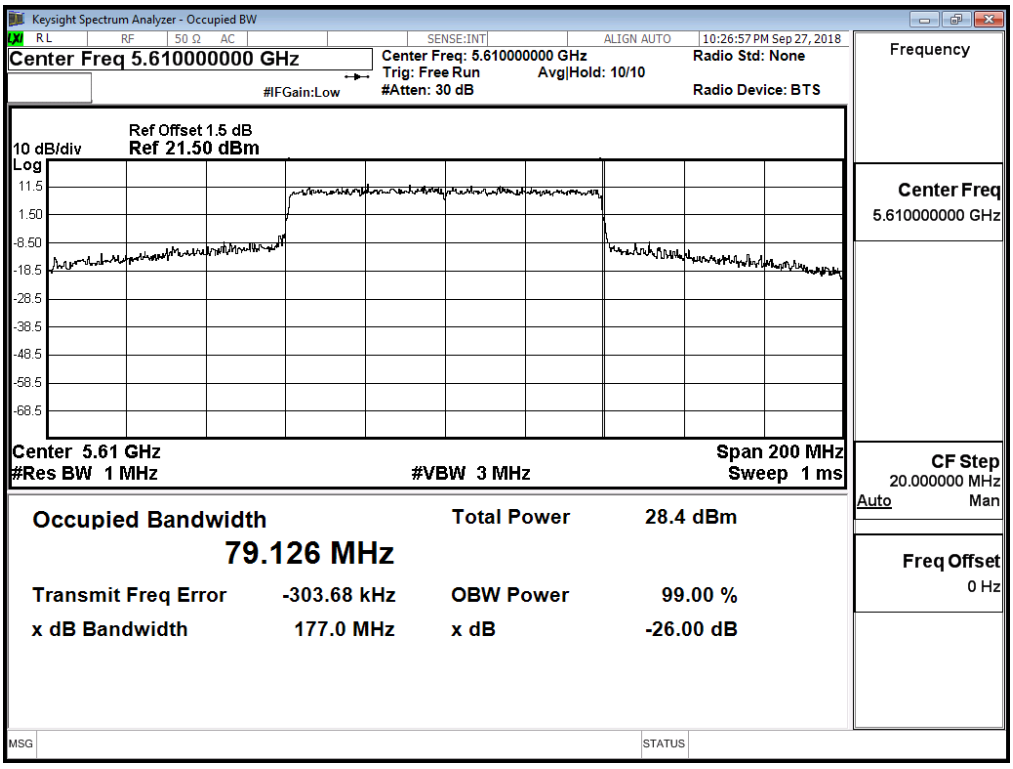
Channel 58



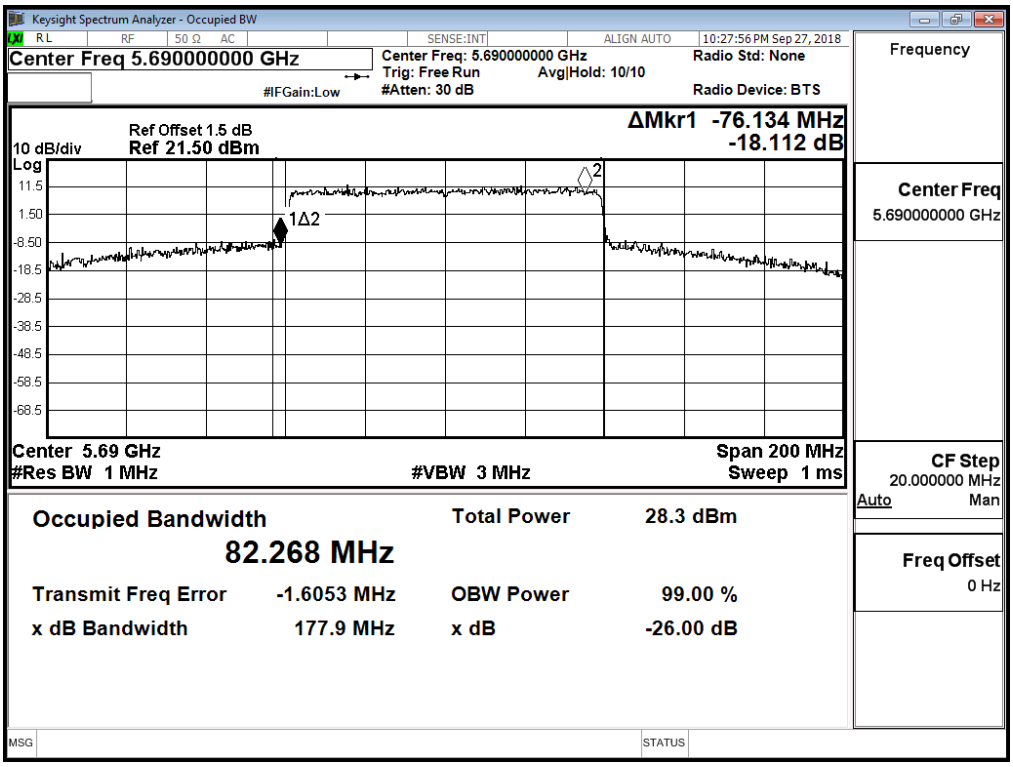
Channel 106



Channel 122

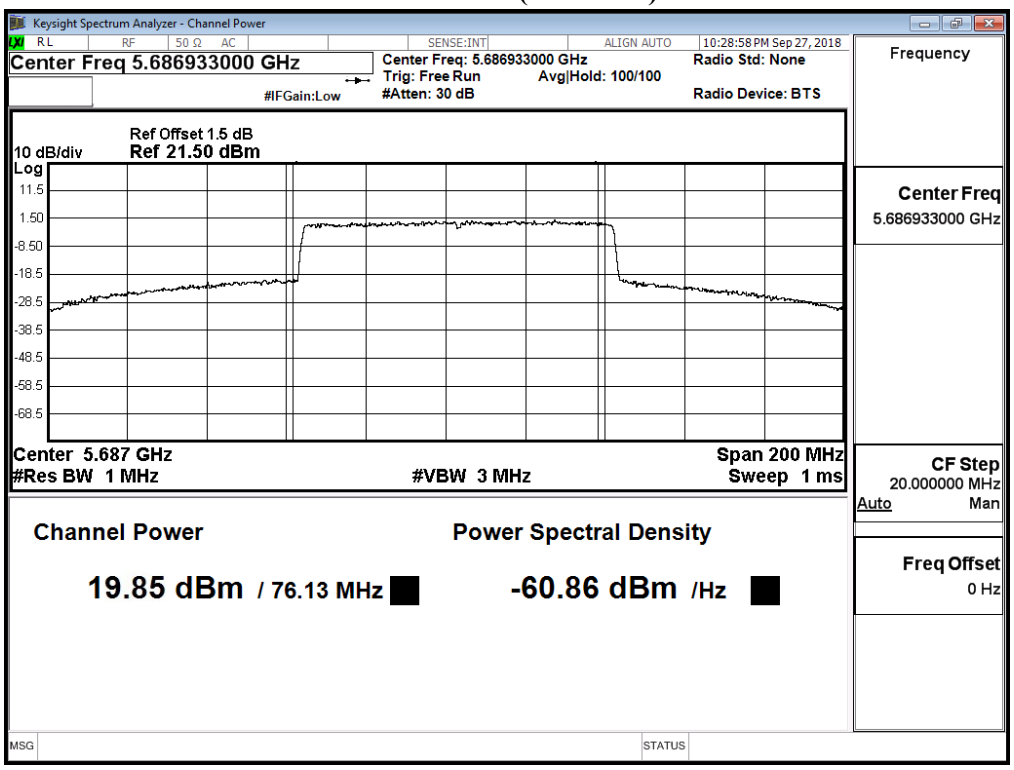


Channel 138



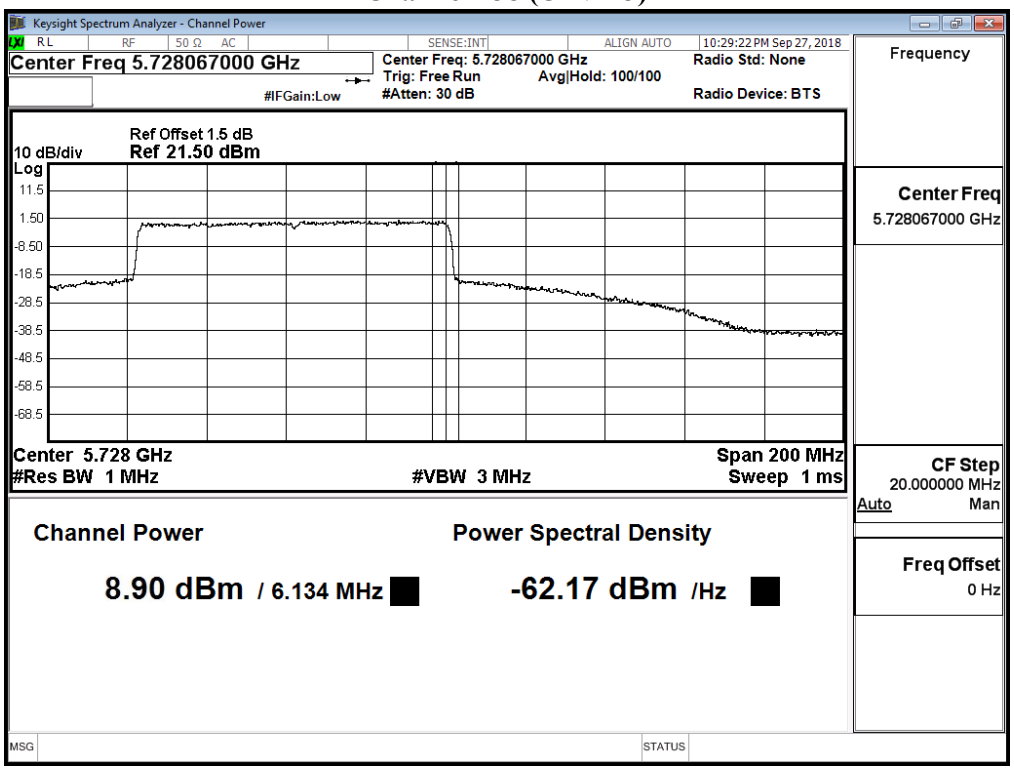
Maximum conducted output power:

Channel 138 (U-NII-2C)



Maximum conducted output power:

Channel 138 (U-NII-3)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
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 09 月 26 日　　環境濕度：53 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50 (U-NII-1)	5250	10.26	10.22	10.21	10.19	10.14	10.12	10.11	10.08	10.07	10.05	10.02	10.01
50 (U-NII-2A)	5250	11.15	11.12	11.11	11.09	11.08	11.07	11.05	11.04	11.01	10.99	10.97	10.95
114	5570	14.37	14.32	14.31	14.28	14.27	14.25	14.22	14.19	14.18	14.16	14.15	14.11

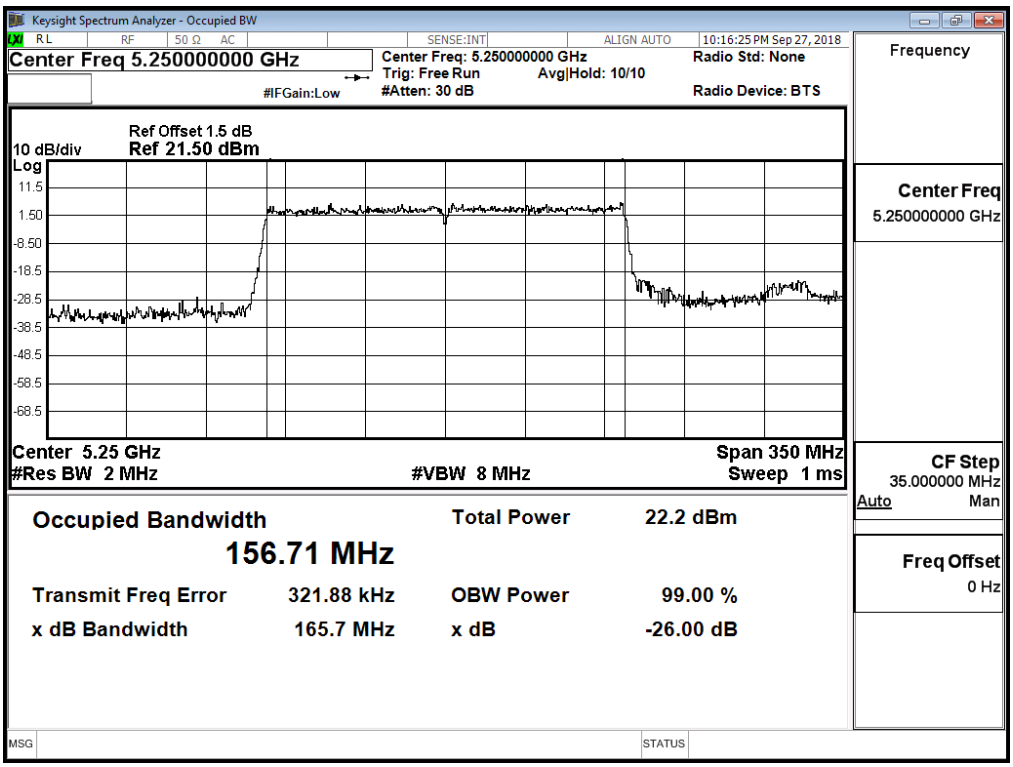
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

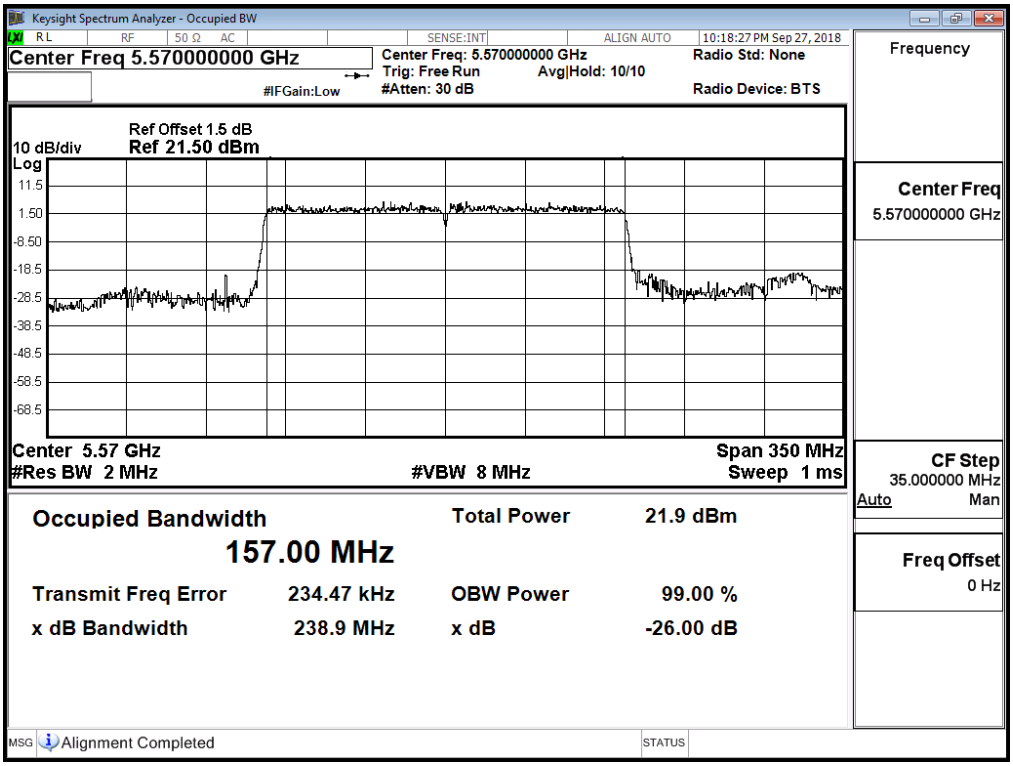
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
50 (U-NII-1)	5250	--	10.260	10.26	24
50 (U-NII-2A)	5250	78.355	11.150	11.15	24
114	5570	157.000	14.370	14.37	24

99% Occupied Bandwidth:

Channel 50

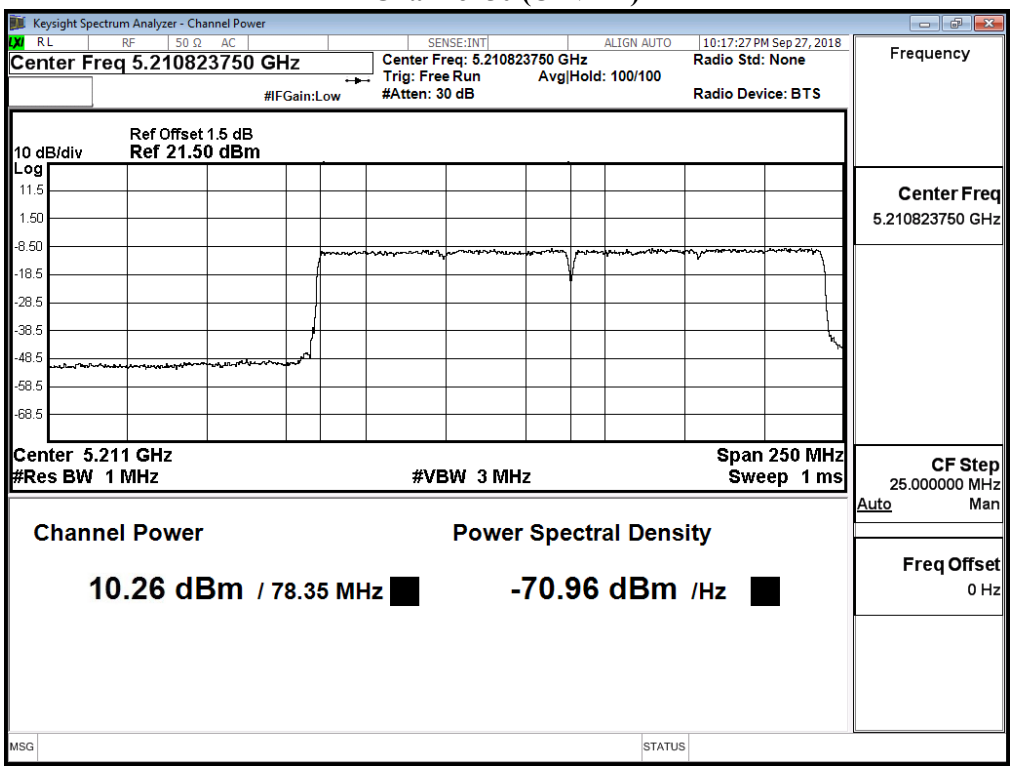


Channel 114



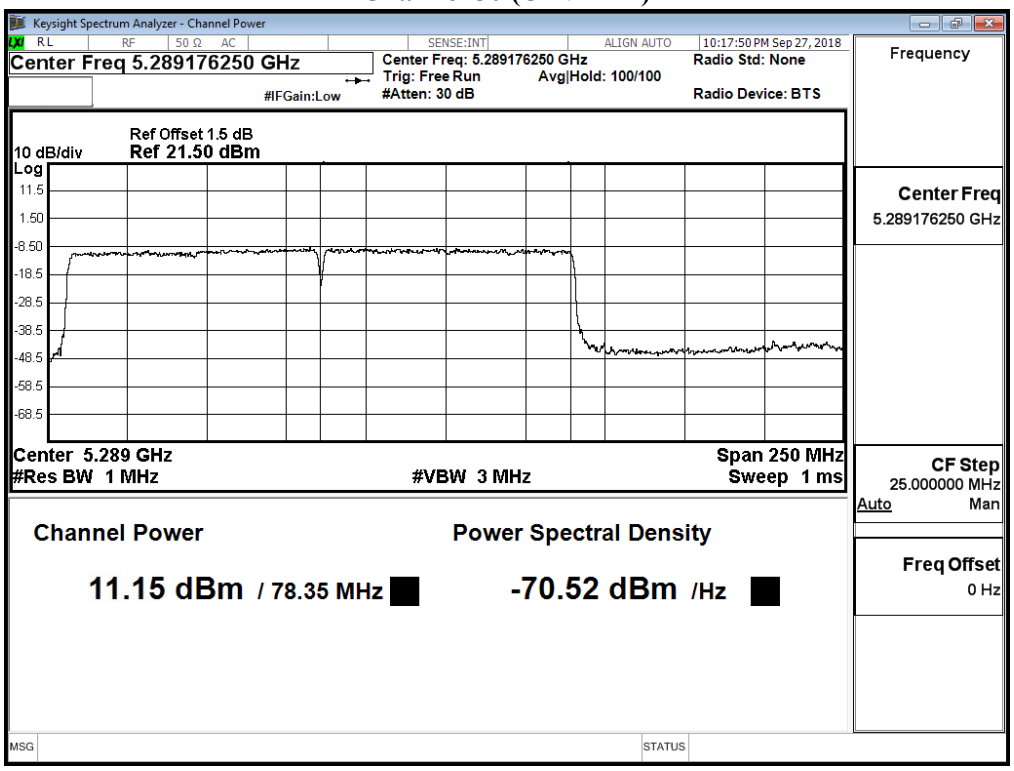
Maximum conducted output power:

Channel 50 (U-NII-1)



Maximum conducted output power:

Channel 50 (U-NII-2A)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測 試 項 目 ：峰值發射功率
測 試 頻 道 ：--　　測 試 模 式 ：Mode 2: SISO B: 發射器 802.11ax-20BW
檢 測 器 ：峰值　　環 境 溫 度 ：21 ℃
測 試 日 期 ：107 年 09 月 26 日　　環 境 濕 度 ：53 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	18.16	--	--	--	--	--	--	--	--	--	--	--
44	5220	20.68	20.58	20.46	20.34	20.19	20.07	19.92	19.81	19.69	19.56	19.43	19.31
48	5240	20.19	--	--	--	--	--	--	--	--	--	--	--
52	5260	20.37	--	--	--	--	--	--	--	--	--	--	--
60	5300	19.79	19.68	19.61	19.58	19.52	19.5	19.47	19.43	19.42	19.38	19.35	19.31
64	5320	16.24	--	--	--	--	--	--	--	--	--	--	--
100	5500	17.18	--	--	--	--	--	--	--	--	--	--	--
116	5580	20.92	20.81	20.7	20.59	20.46	20.35	20.21	20.08	19.97	19.81	19.7	19.59
140	5700	17.06	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	19.3	19.28	19.27	19.22	19.21	19.19	19.17	19.16	19.12	19.11	19.07	19.06
144(U-NII-3)	5720	13.82	13.81	13.8	13.75	13.74	13.72	13.71	13.68	13.64	13.62	13.61	13.58
149	5745	20.82	--	--	--	--	--	--	--	--	--	--	--
157	5785	20.73	20.6	20.49	20.35	20.25	20.14	20.01	19.92	19.81	19.7	19.58	19.46
165	5825	20.69	--	--	--	--	--	--	--	--	--	--	--

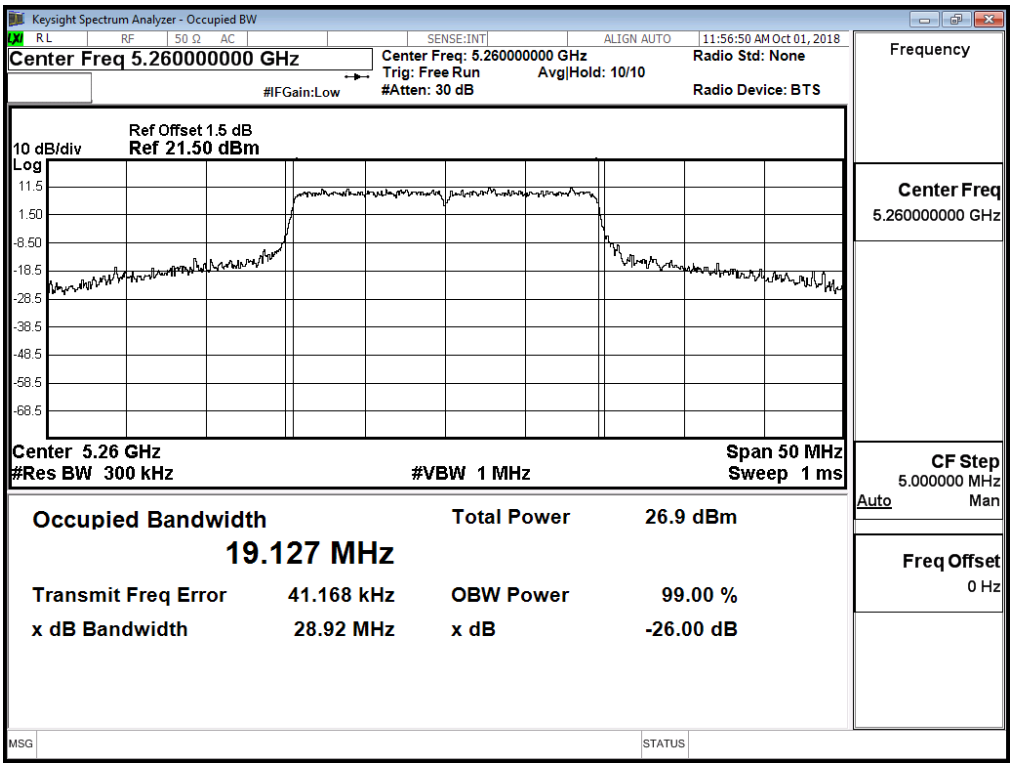
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

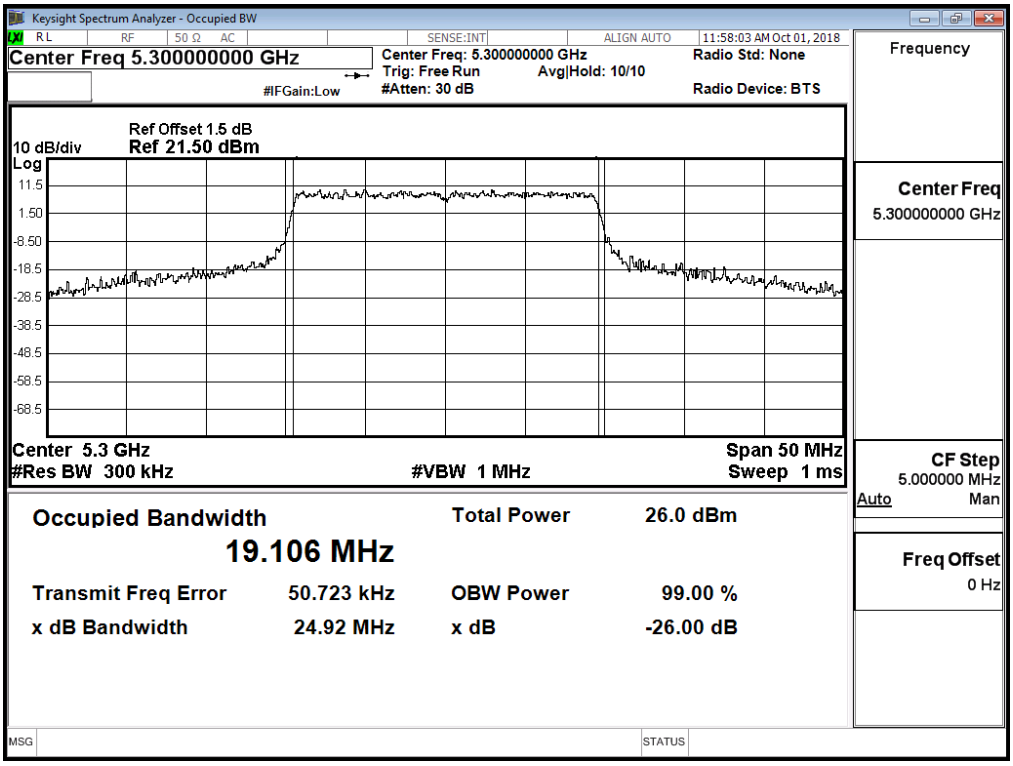
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	--	18.16	24	--
44	5220	--	20.68	24	--
48	5240	--	20.19	24	--
52	5260	19.127	20.37	24	23.82
60	5300	19.106	19.79	24	23.81
64	5320	19.096	16.24	24	23.81
100	5500	19.092	17.18	24	23.81
116	5580	19.276	20.92	24	23.85
140	5700	19.075	17.06	24	23.80
144(U-NII-2C)	5720	14.611	19.300	19.30	24
144(U-NII-3)	5720	--	13.820	13.82	30
149	5745	--	20.82	30	--
157	5785	--	20.73	30	--
165	5825	--	20.69	30	--

99% Occupied Bandwidth:

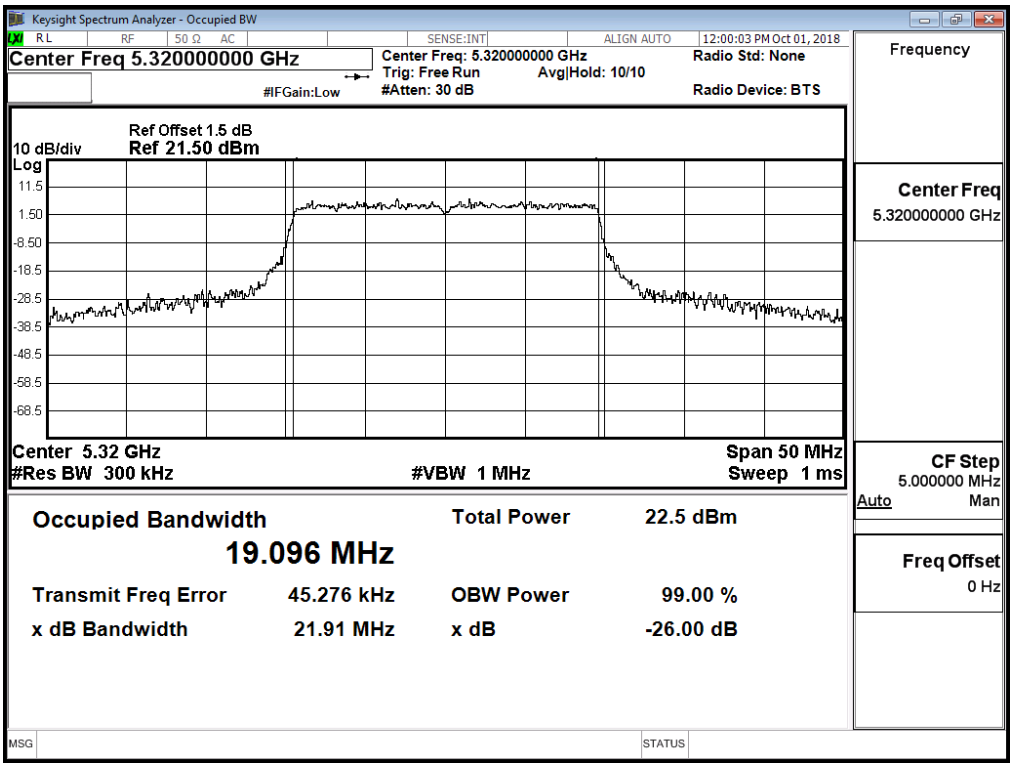
Channel 52



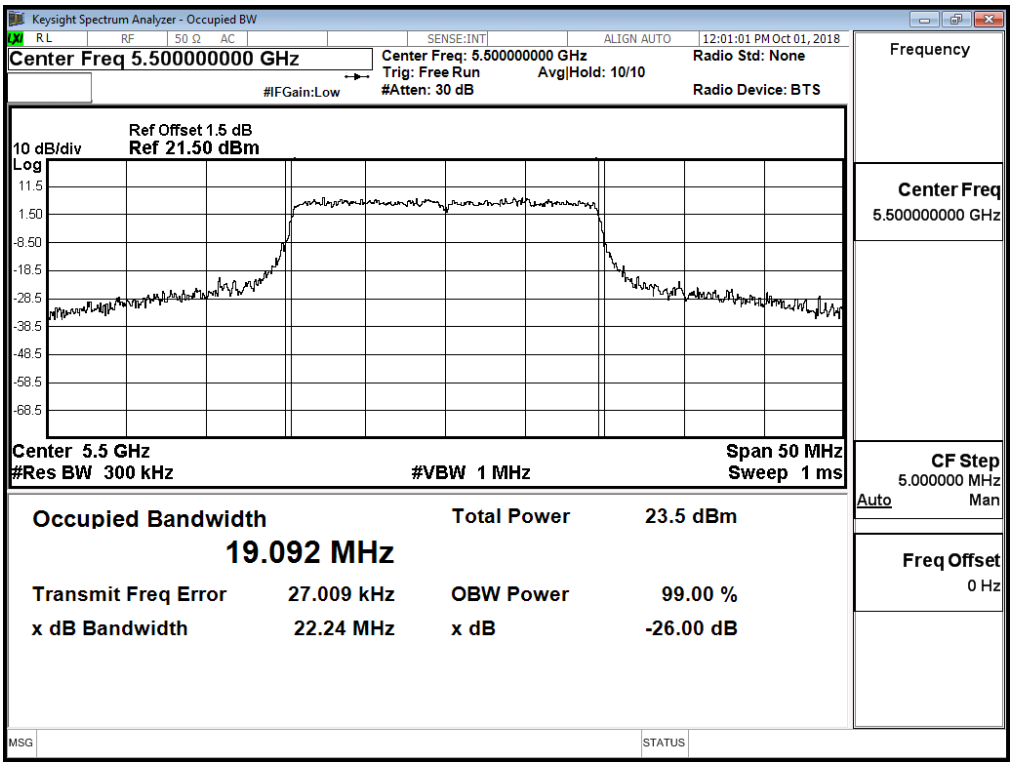
Channel 60



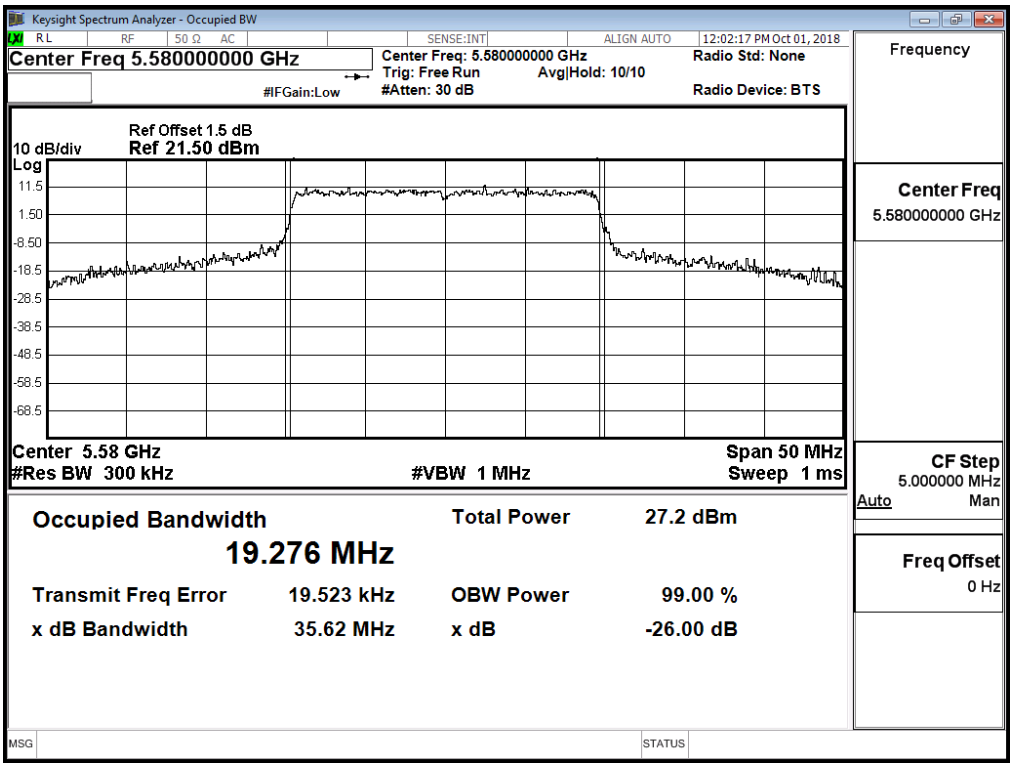
Channel 64



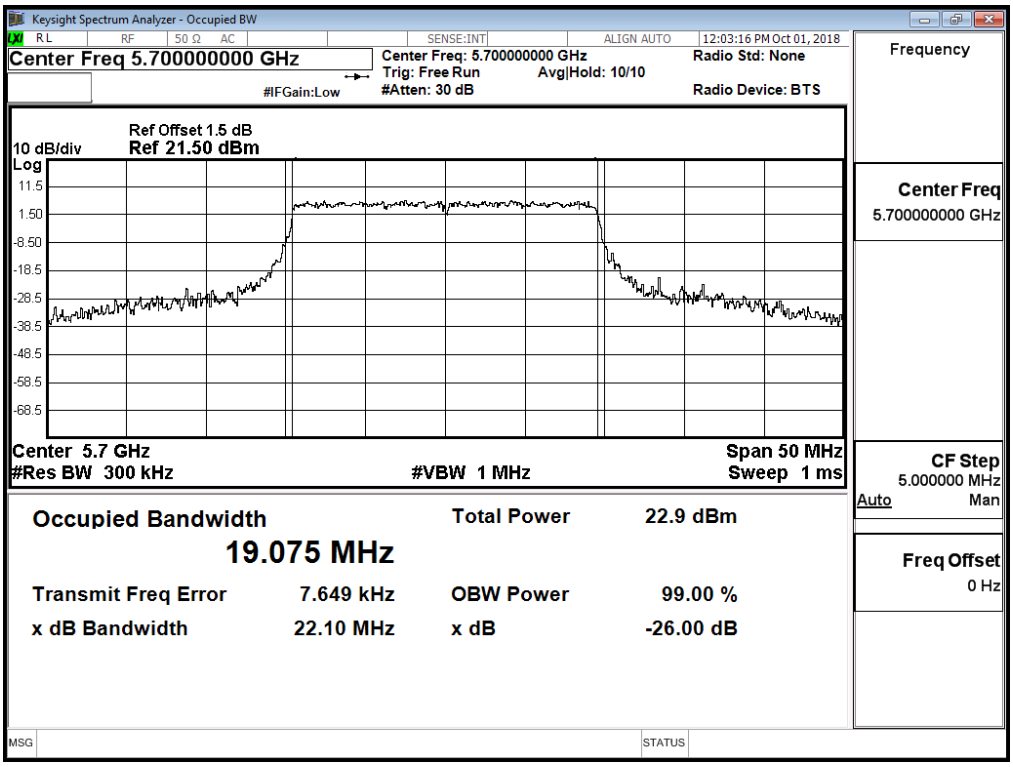
Channel 100



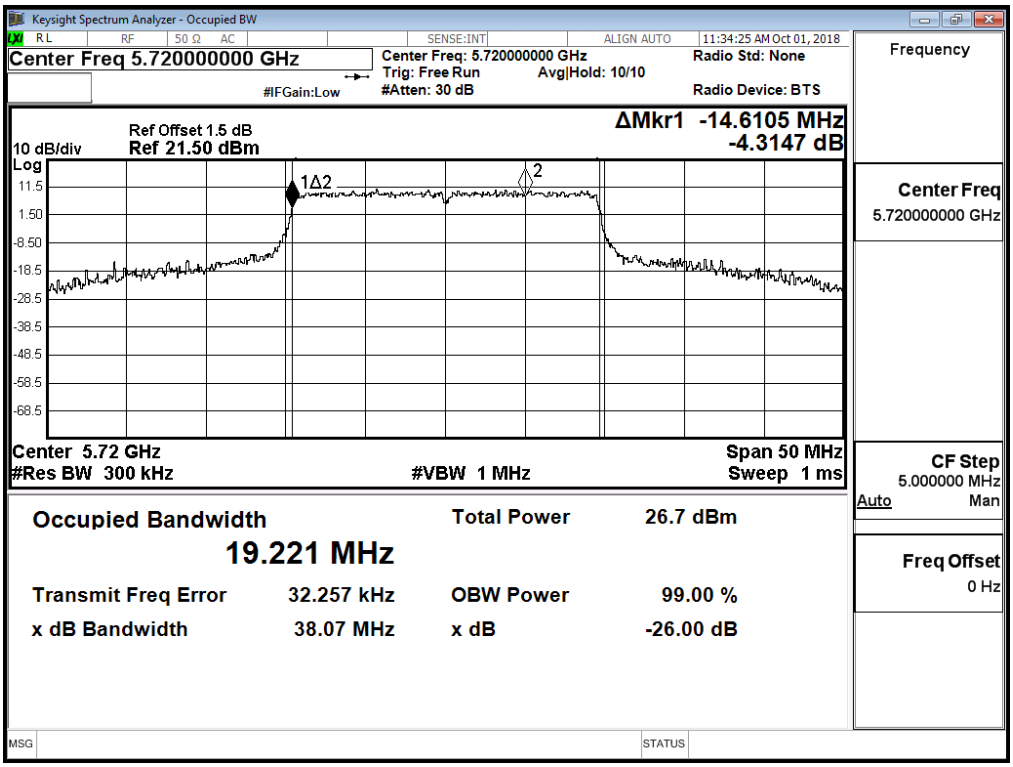
Channel 116



Channel 140

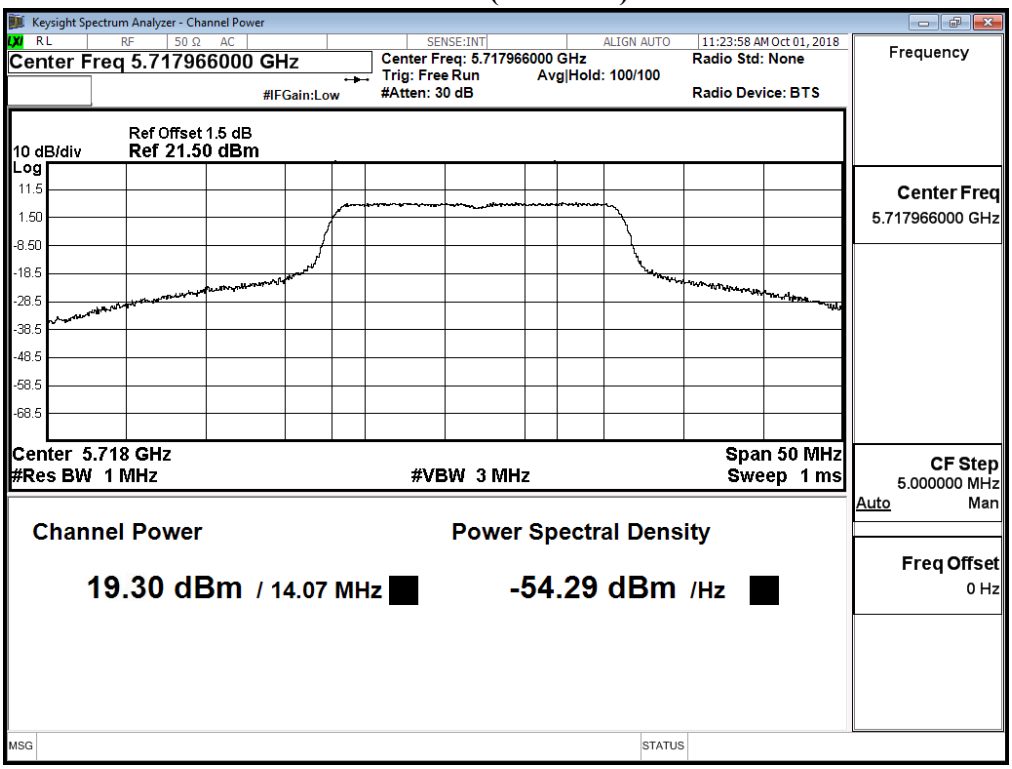


Channel 144


Keysight Spectrum Analyzer - Occupied BW
Center Freq 5.720000000 GHz
Center Freq: 5.720000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
11:34:25 AM Oct 01, 2018
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
ΔMkr1 -14.6105 MHz
-4.3147 dB
Center 5.72 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 50 MHz
Sweep 1 ms
Occupied Bandwidth
19.221 MHz
Total Power 26.7 dBm
Transmit Freq Error 32.257 kHz
OBW Power 99.00 %
x dB Bandwidth 38.07 MHz
x dB -26.00 dB
Frequency
Center Freq
5.720000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

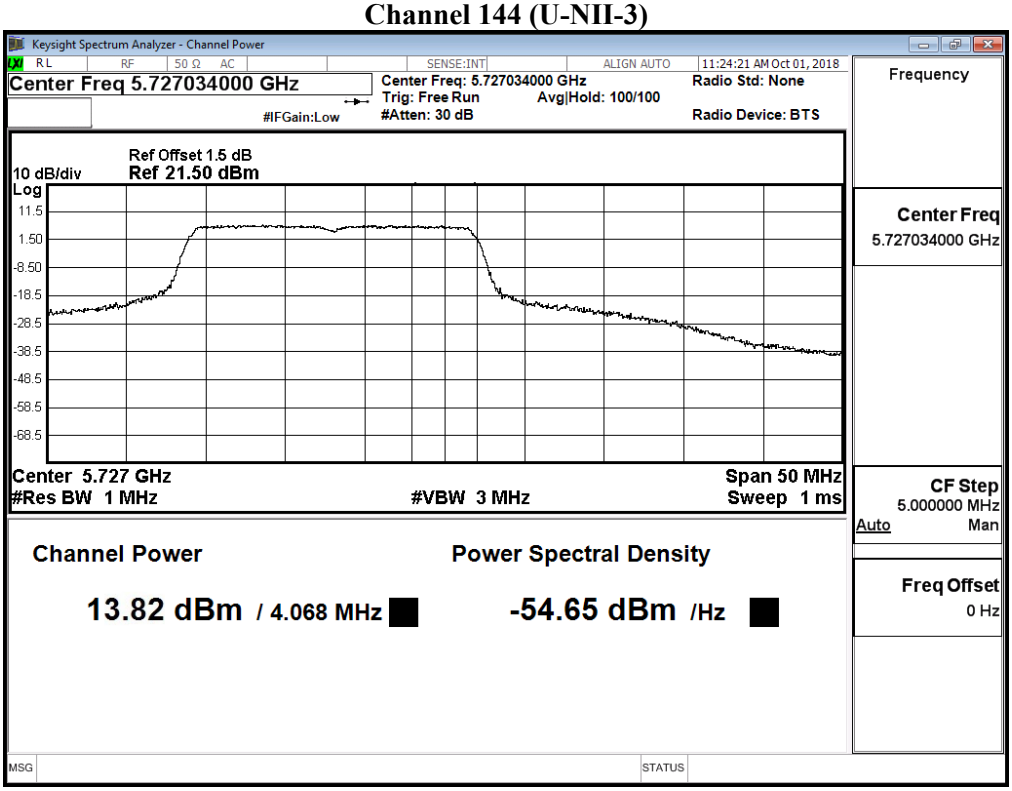
Maximum conducted output power:

Channel 144 (U-NII-2C)



Maximum conducted output power:

Channel 144 (U-NII-3)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
測試頻道：--　　測試模式：Mode 2: SISO B: 發射器 802.11ax-40BW
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 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	18.19	--	--	--	--	--	--	--	--	--	--	--
46	5230	19.97	19.45	19.32	19.18	19.07	18.95	19.81	19.7	19.59	19.46	19.35	19.24
54	5270	19.79	--	--	--	--	--	--	--	--	--	--	--
62	5310	16.27	16.11	16.09	16.02	16.01	16	15.97	15.96	15.92	15.91	15.89	15.84
102	5510	17.14	--	--	--	--	--	--	--	--	--	--	--
110	5550	20.68	20.51	20.42	20.34	20.26	20.18	20.05	19.96	19.91	19.85	19.79	19.67
134	5670	19.64	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	20.04	20.02	20.01	19.99	19.95	19.94	19.92	19.89	19.87	19.85	19.84	19.82
142(U-NII-3)	5710	7.62	7.59	7.52	7.51	7.49	7.44	7.42	7.41	7.38	7.37	7.34	7.32
151	5755	20.68	--	--	--	--	--	--	--	--	--	--	--
159	5795	20.72	20.6	20.49	20.35	20.24	20.14	20.05	19.91	19.8	19.69	19.52	19.4

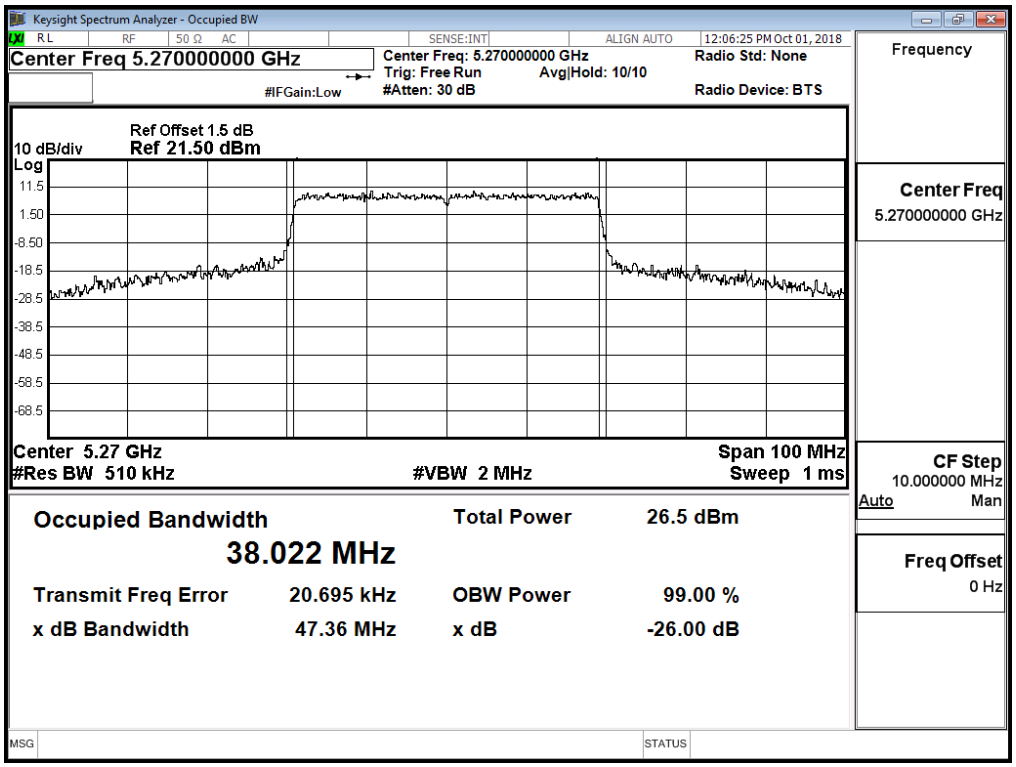
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

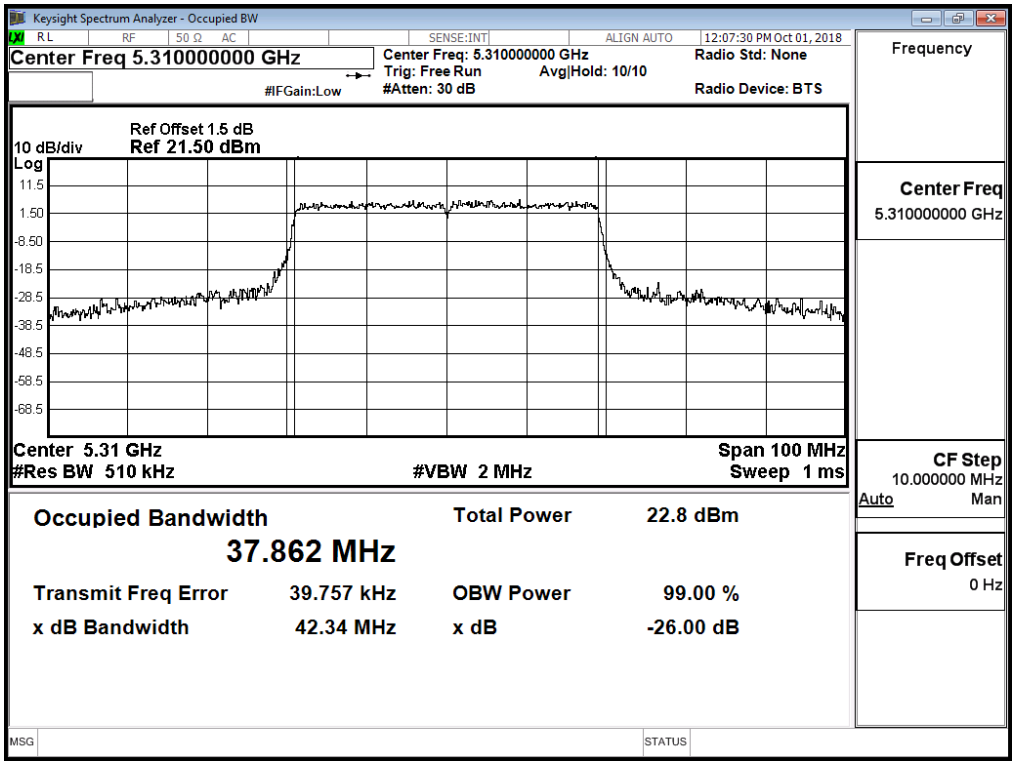
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
38	5190	--	18.19	24	--
46	5230	--	19.97	24	--
54	5270	38.022	19.79	24	26.80
62	5310	37.862	16.27	24	26.78
102	5510	37.896	17.14	24	26.79
110	5550	38.080	20.68	24	26.81
134	5670	37.988	19.64	24	26.80
142(U-NII-2C)	5710	34.090	20.040	20.04	24
142(U-NII-3)	5710	--	7.620	7.62	30
151	5755	--	20.68	30	--
159	5795	--	20.72	30	--

99% Occupied Bandwidth:

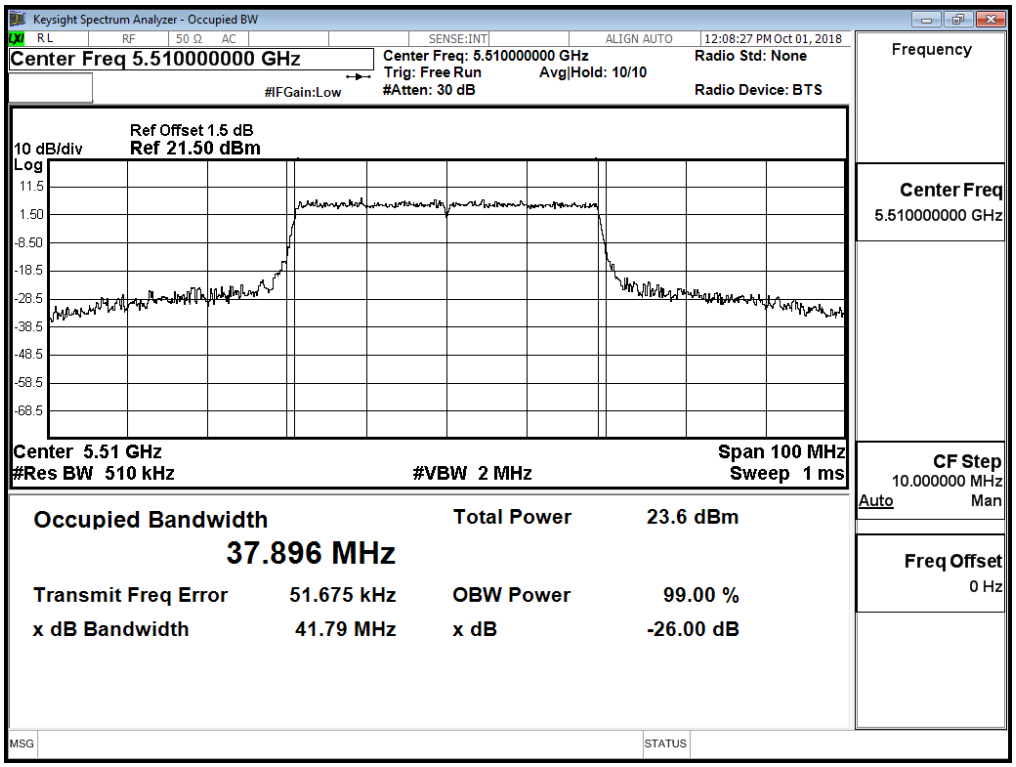
Channel 54



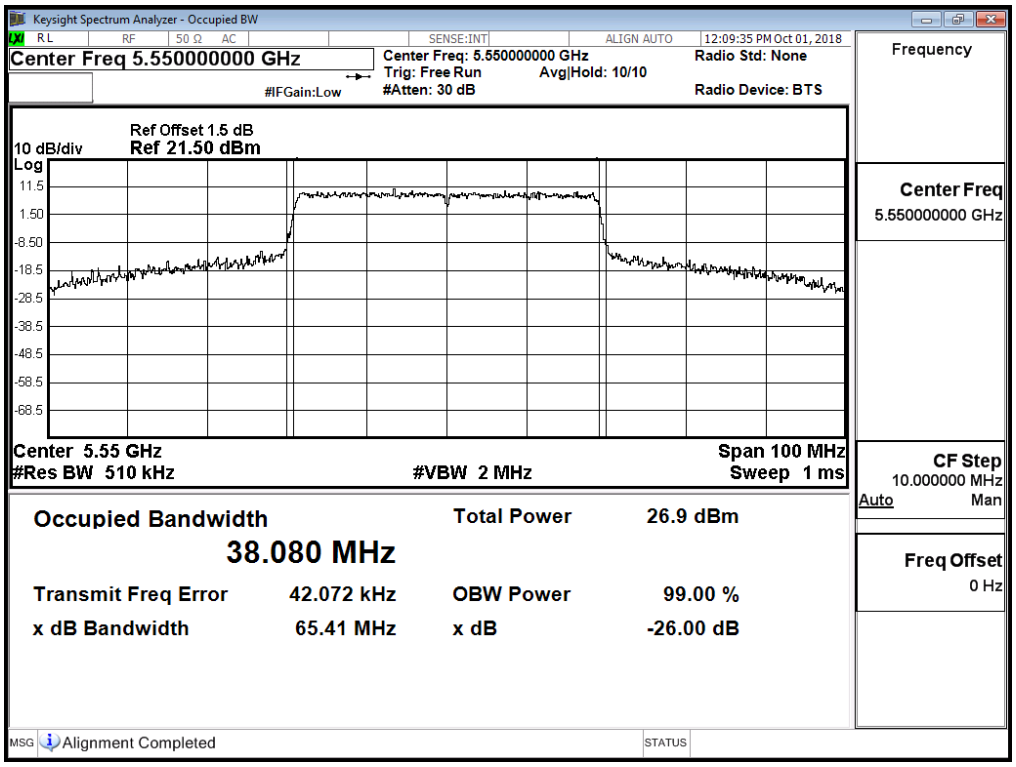
Channel 62



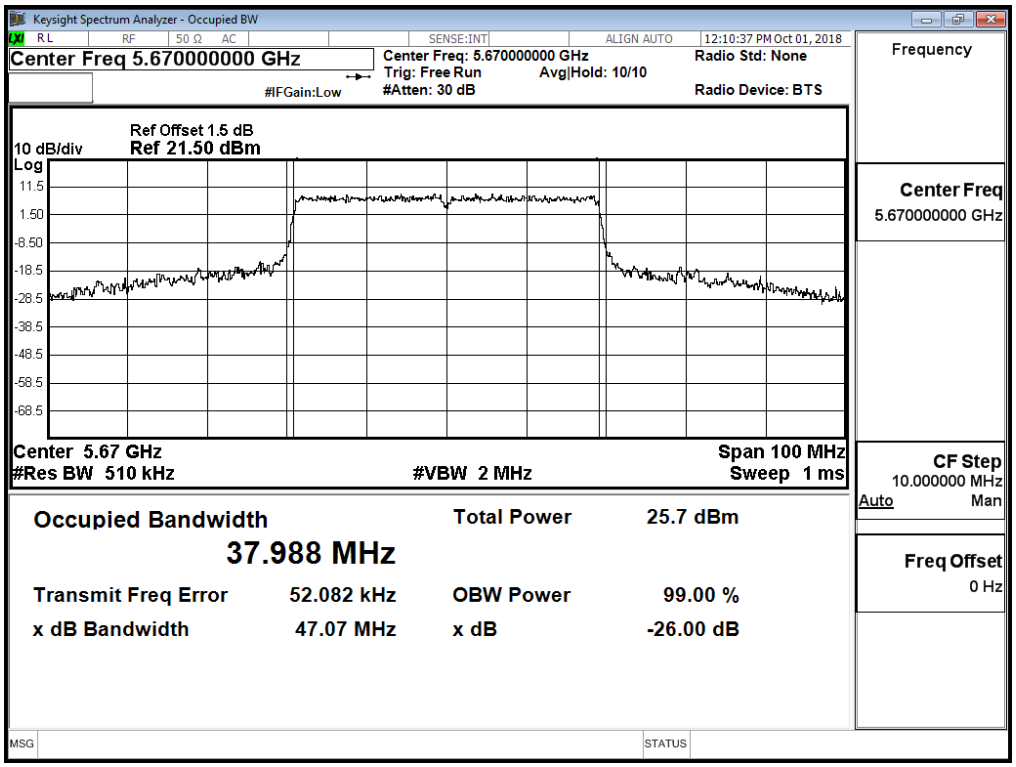
Channel 102



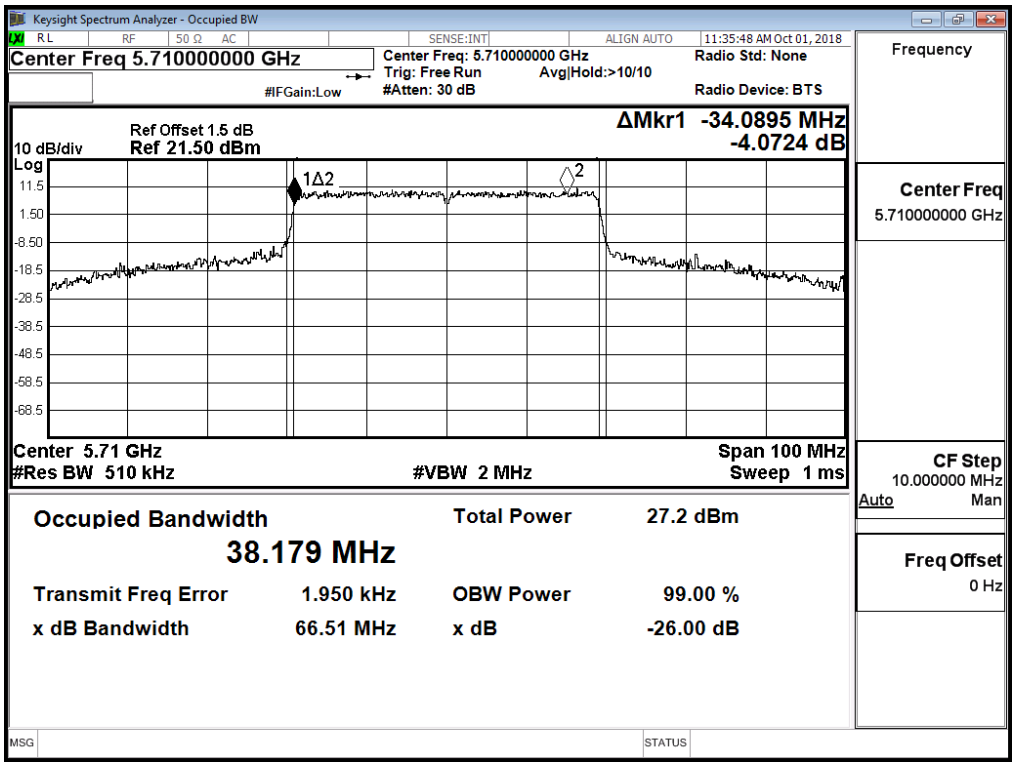
Channel 110



Channel 134

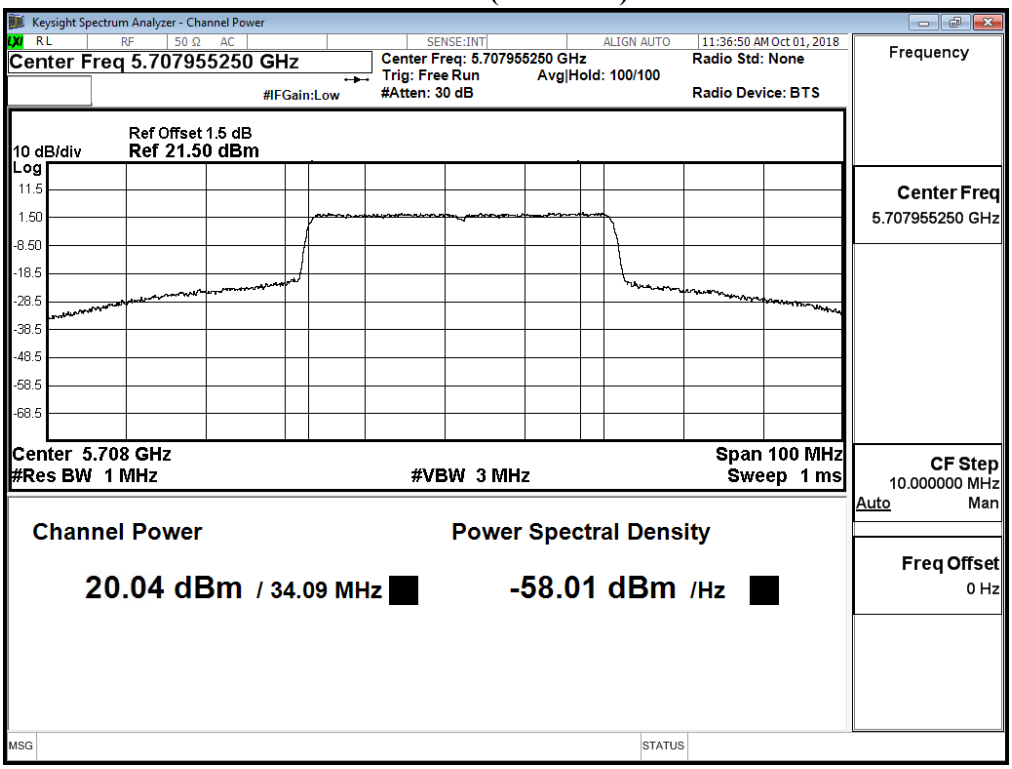


Channel 142



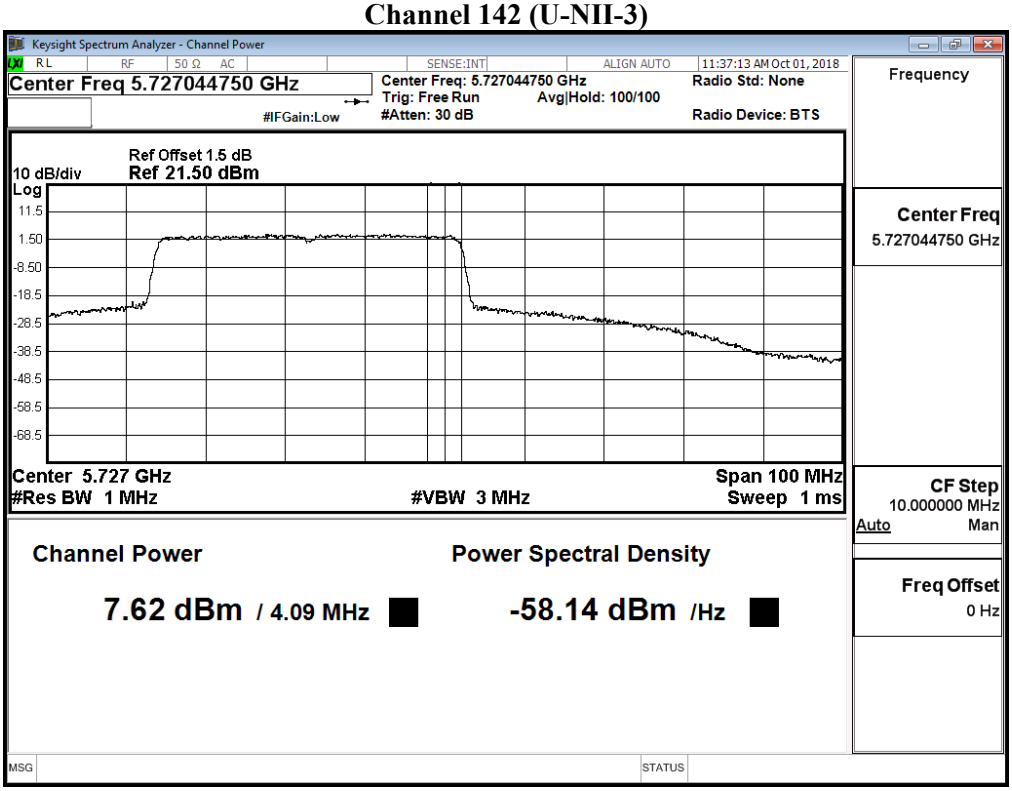
Maximum conducted output power:

Channel 142 (U-NII-2C)



Maximum conducted output power:

Channel 142 (U-NII-3)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
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 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	20.28	20.02	19.92	19.8	19.68	19.54	19.43	19.32	19.18	19.07	18.9	18.79
58	5290	17.66	17.55	17.43	17.39	17.28	17.21	17.16	17.08	17.01	16.97	16.92	16.9
106	5530	17.75	--	--	--	--	--	--	--	--	--	--	--
122	5610	20.64	20.51	20.4	20.19	20.04	19.9	19.79	19.65	19.51	19.38	19.19	19.05
138 (U-NII-2C)	5690	20.04	--	--	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	7.62	--	--	--	--	--	--	--	--	--	--	--
155	5775	19.74	19.65	19.62	19.57	19.51	19.5	19.46	19.44	19.37	19.35	19.31	19.29

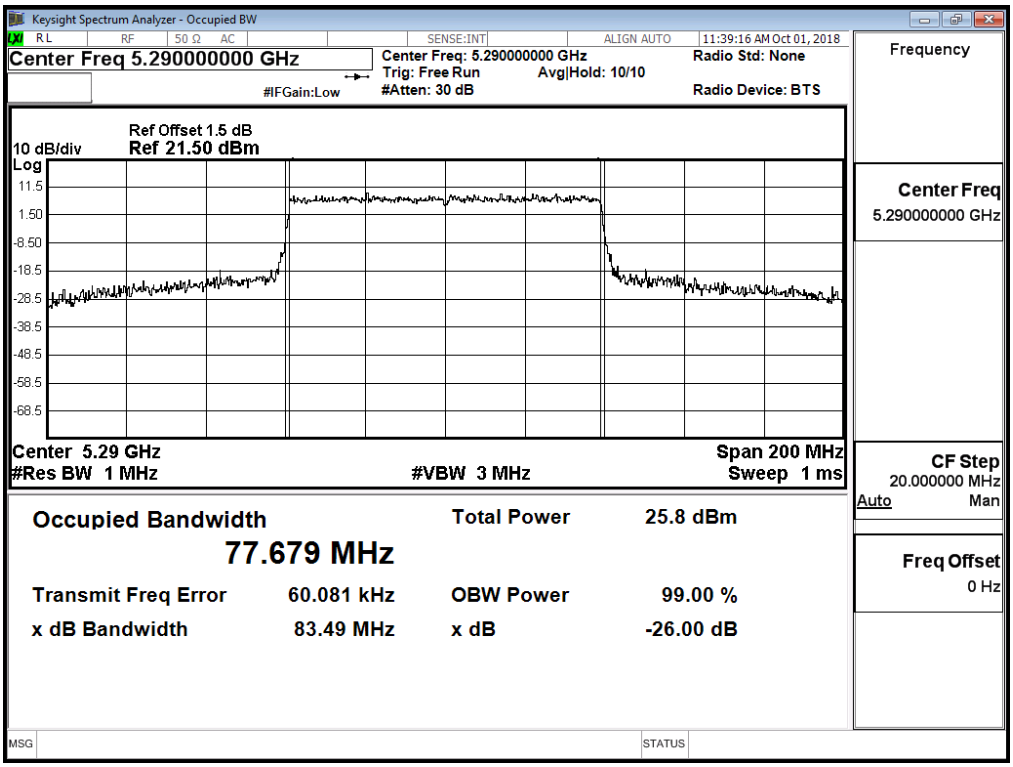
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

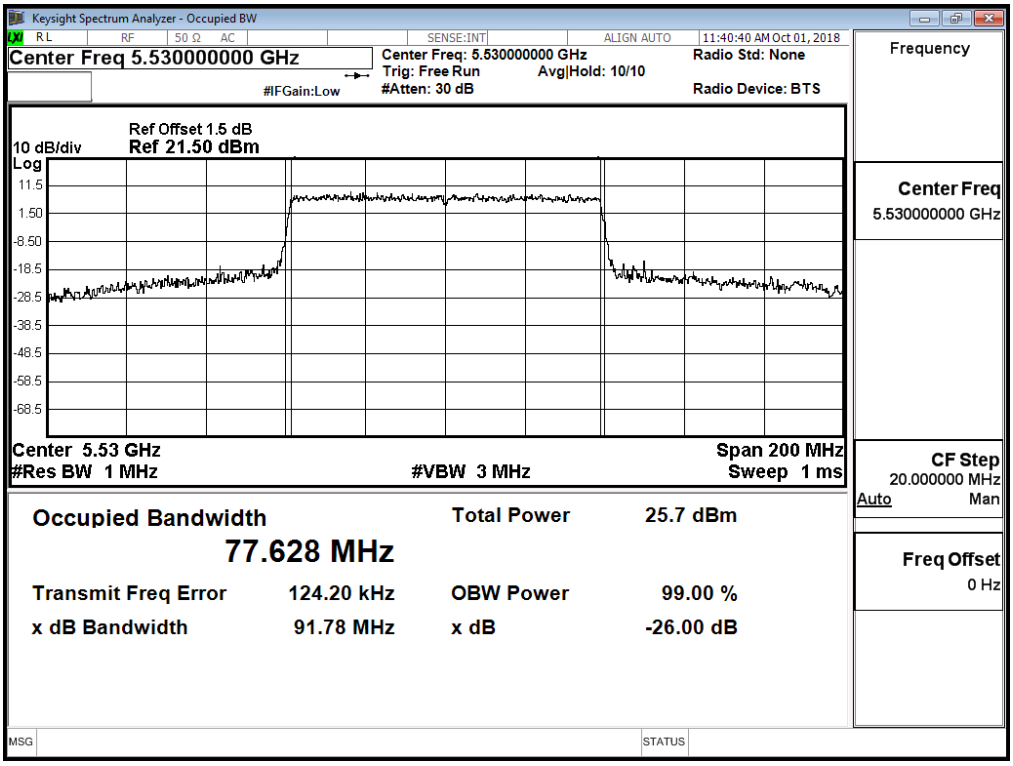
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
42	5210	--	20.280	20.28	24
58	5290	77.679	17.660	17.66	24
106	5530	77.628	17.750	17.75	24
122	5610	79.705	20.640	20.64	24
138 (U-NII-2C)	5690	74.573	20.040	20.04	24
138 (U-NII-3)	5690	4.573	7.620	7.62	30
155	5775	--	19.740	19.74	30

99% Occupied Bandwidth:

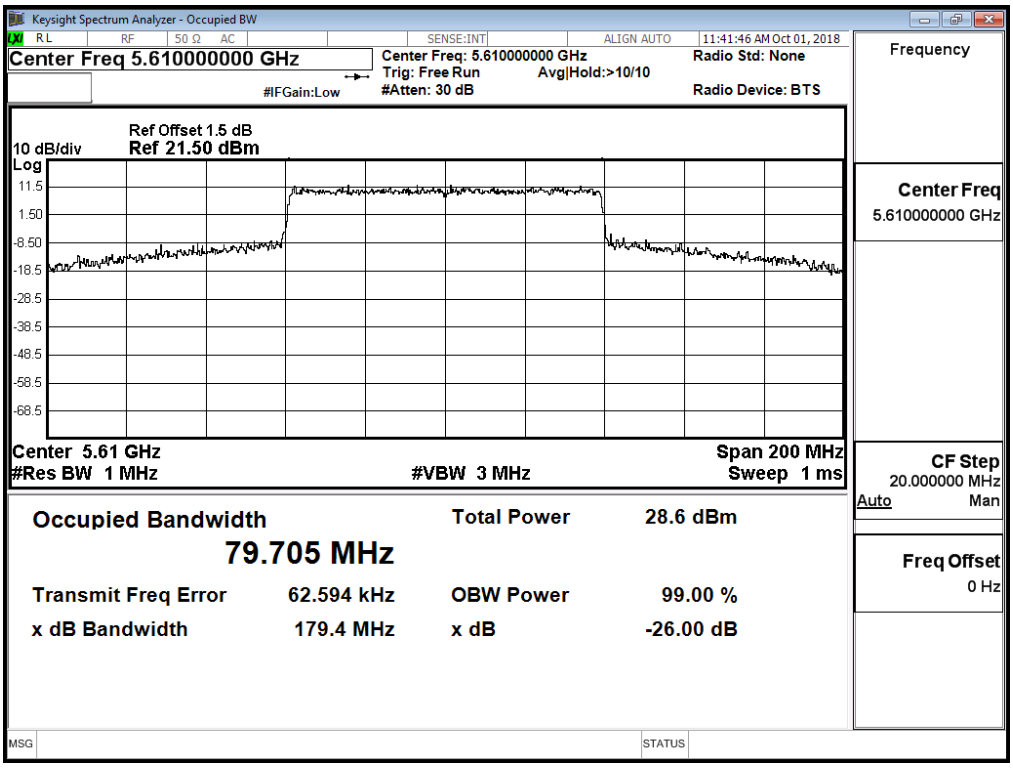
Channel 58



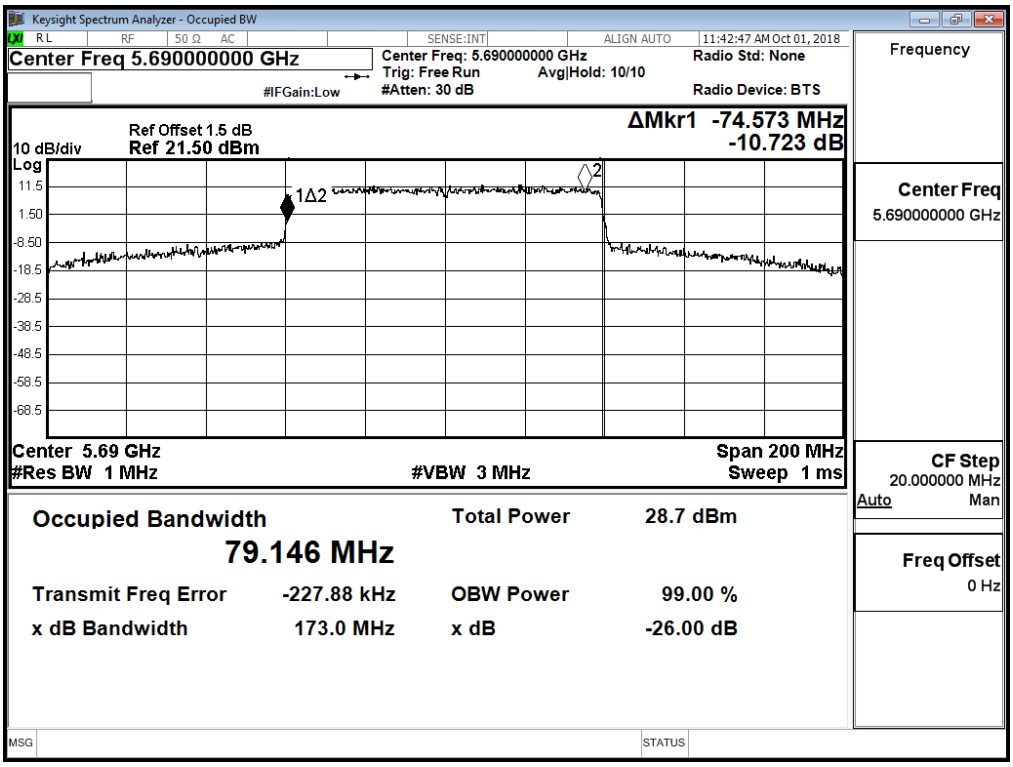
Channel 106



Channel 122

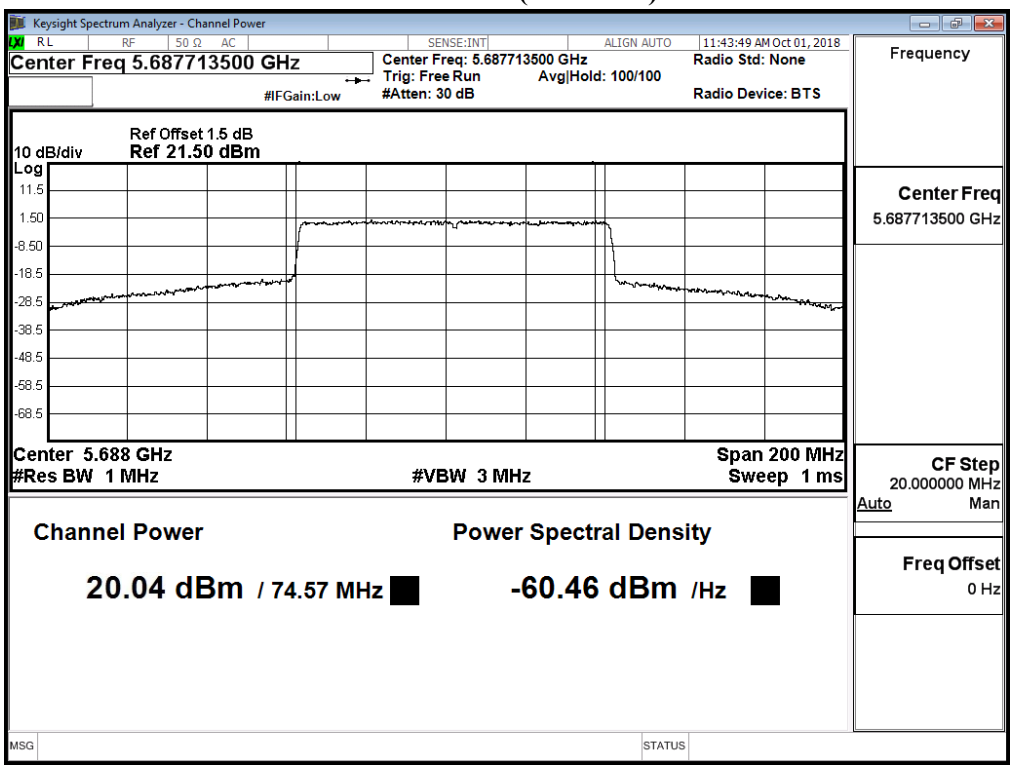


Channel 138



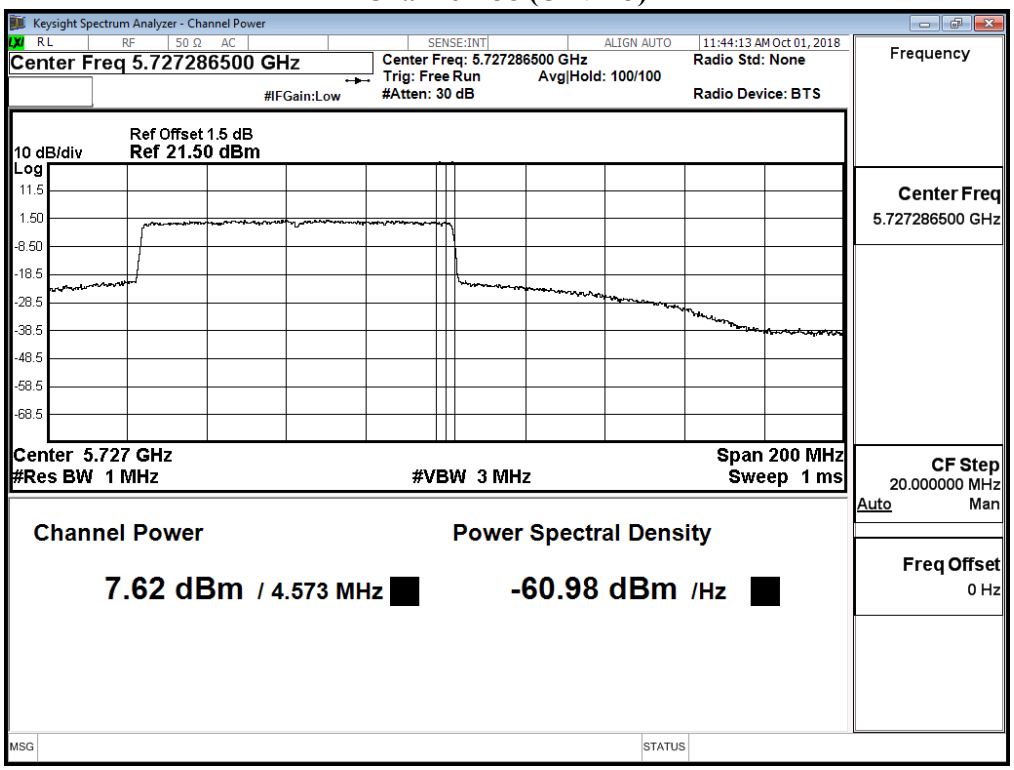
Maximum conducted output power:

Channel 138 (U-NII-2C)



Maximum conducted output power:

Channel 138 (U-NII-3)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
測試頻道：--　　測試模式：Mode 2: SISO B: 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 %

Cable loss=1.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50 (U-NII-1)	5250	10.15	10.11	10.09	10.07	10.05	10.03	10.01	9.97	9.95	9.94	9.9	9.88
50 (U-NII-2A)	5250	11.27	11.23	11.21	11.2	11.18	11.16	11.14	11.12	11.11	11.08	11.05	11.04
114	5570	14.34	14.28	14.11	14.03	13.94	13.92	13.87	13.83	13.75	13.71	13.68	13.62

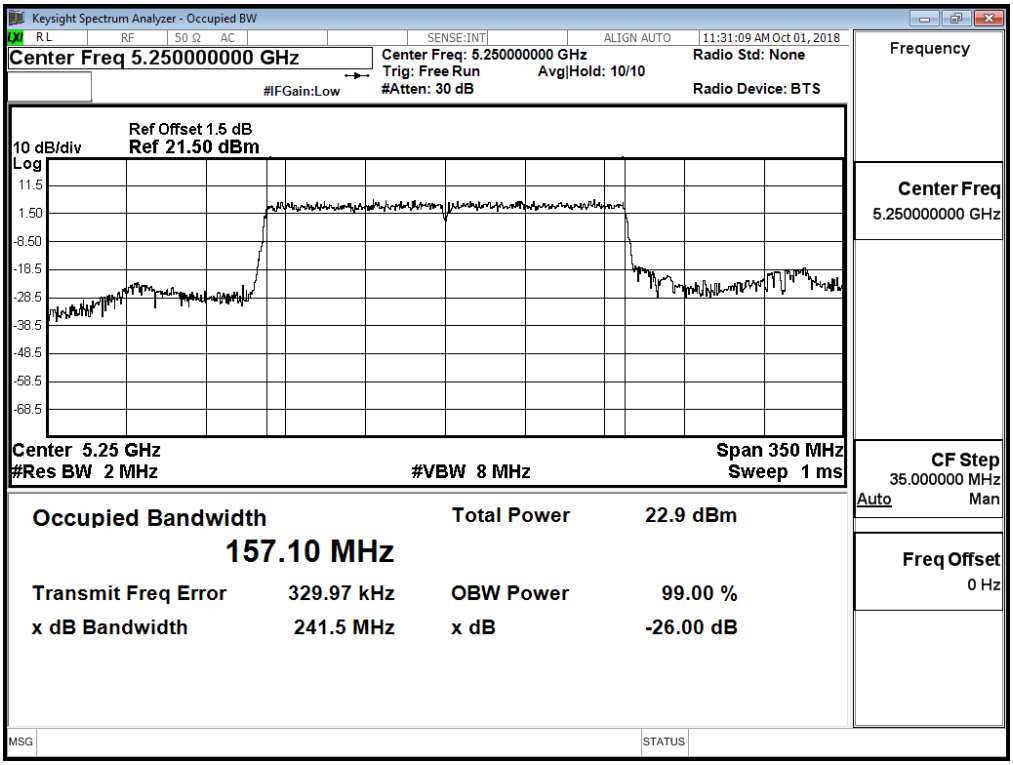
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

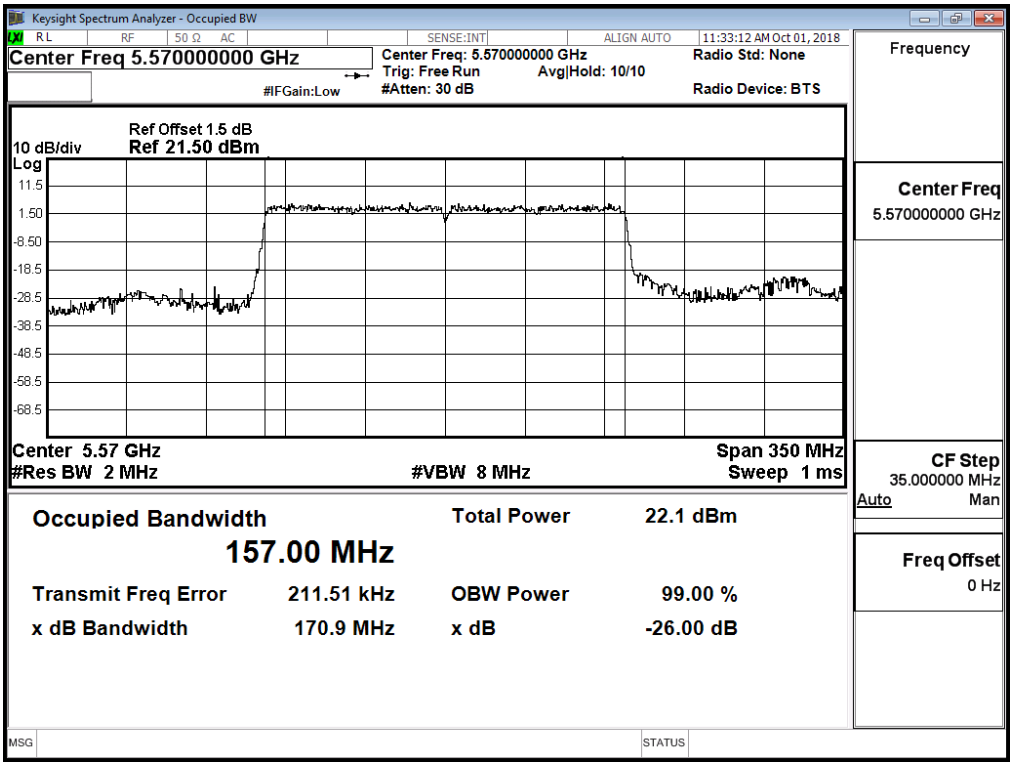
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
50 (U-NII-1)	5250	--	10.150	10.15	24
50 (U-NII-2A)	5250	78.550	11.270	11.27	24
114	5570	157.000	14.340	14.34	24

99% Occupied Bandwidth:

Channel 50

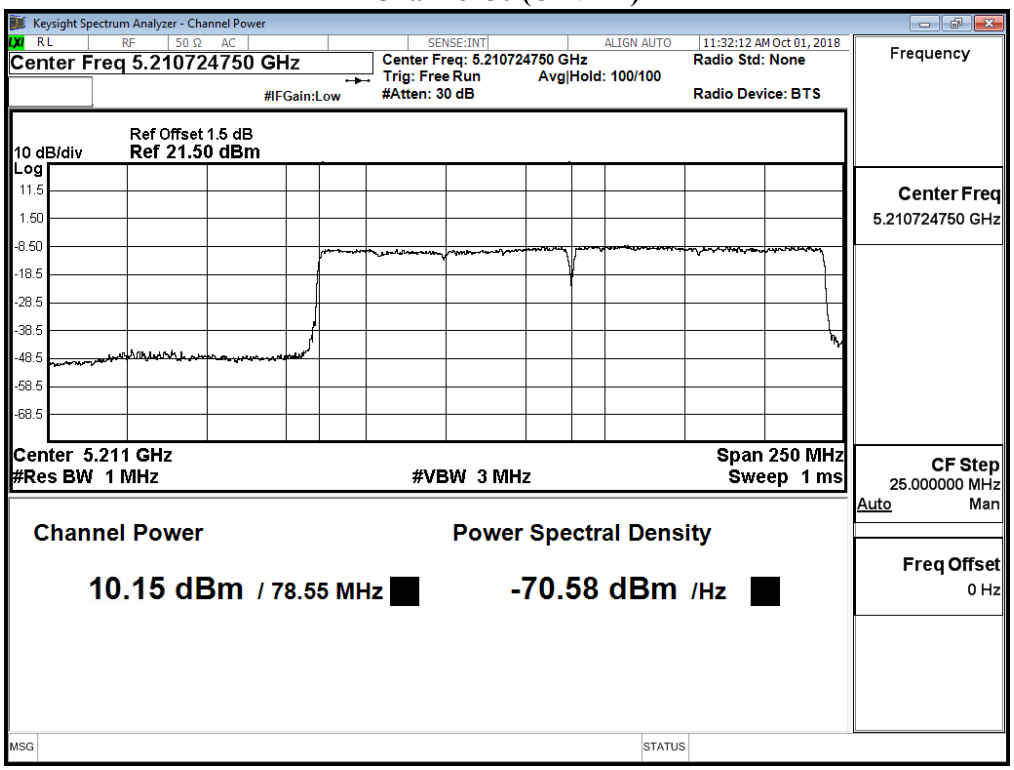


Channel 114



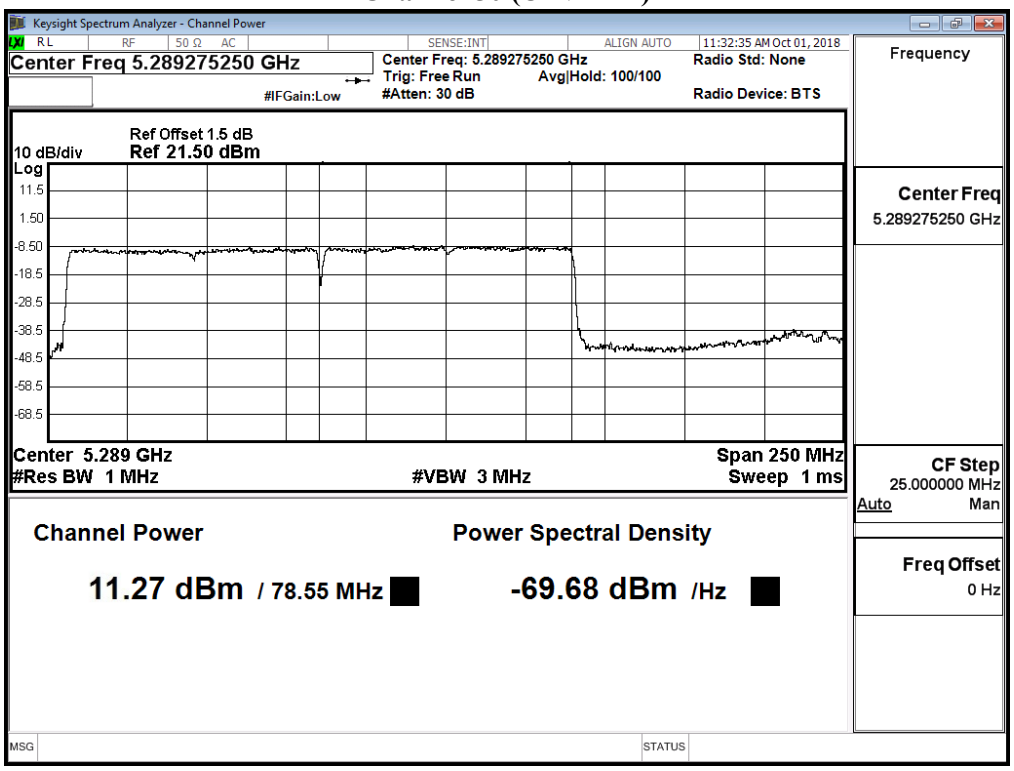
Maximum conducted output power:

Channel 50 (U-NII-1)



Maximum conducted output power:

Channel 50 (U-NII-2A)



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
測試頻道：--　　測試模式：Mode 3: MIMO: 發射器 802.11ax-20BW
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 %

Chain A

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	15.16	--	--	--	--	--	--	--	--	--	--	--
44	5220	17.96	17.82	17.7	17.59	17.45	17.32	17.19	17.08	16.92	16.81	16.7	16.59
48	5240	17.13	--	--	--	--	--	--	--	--	--	--	--
52	5260	17.39	--	--	--	--	--	--	--	--	--	--	--
60	5300	16.93	16.58	16.51	16.43	16.33	16.24	16.11	16.01	15.89	15.78	15.65	15.53
64	5320	16.83	--	--	--	--	--	--	--	--	--	--	--
100	5500	15.82	--	--	--	--	--	--	--	--	--	--	--
116	5580	17.74	17.62	17.51	17.4	17.29	17.18	17.05	16.91	16.8	16.69	16.57	16.42
140	5700	16.09	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	16.3	16.28	16.25	16.23	16.21	16.18	16.15	16.13	16.11	16.09	16.07	16.02
144(U-NII-3)	5720	10.5	10.48	10.46	10.42	10.41	10.39	10.32	10.31	10.27	10.24	10.22	10.17
149	5745	17.79	--	--	--	--	--	--	--	--	--	--	--
157	5785	17.74	17.62	17.51	17.4	17.29	17.13	17.02	16.95	16.82	16.71	16.6	16.48
165	5825	17.79	--	--	--	--	--	--	--	--	--	--	--

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
36	5180	15.14	--	--	--	--	--	--	--	--	--	--	--
44	5220	17.86	17.74	17.62	17.51	17.4	17.29	17.15	17.02	16.91	16.82	16.7	16.58
48	5240	17.22	--	--	--	--	--	--	--	--	--	--	--
52	5260	17.34	--	--	--	--	--	--	--	--	--	--	--
60	5300	17.44	16.64	16.55	16.41	16.32	16.24	16.12	16.01	15.9	15.79	15.65	15.52
64	5320	17.39	--	--	--	--	--	--	--	--	--	--	--
100	5500	16.19	--	--	--	--	--	--	--	--	--	--	--
116	5580	17.71	17.6	17.49	17.35	17.24	17.12	17.01	16.9	16.79	16.62	16.51	16.38
140	5700	16.73	--	--	--	--	--	--	--	--	--	--	--
144(U-NII-2C)	5720	16.16	16.11	16.08	16.07	16.01	15.98	15.95	15.92	15.91	15.87	15.84	15.82
144(U-NII-3)	5720	10.9	10.87	10.85	10.84	10.82	10.81	10.78	10.74	10.71	10.68	10.65	10.62
149	5745	17.8	--	--	--	--	--	--	--	--	--	--	--
157	5785	17.71	17.6	17.49	17.35	17.21	17.08	16.92	16.82	16.7	16.58	16.46	16.35
165	5825	17.77	--	--	--	--	--	--	--	--	--	--	--

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

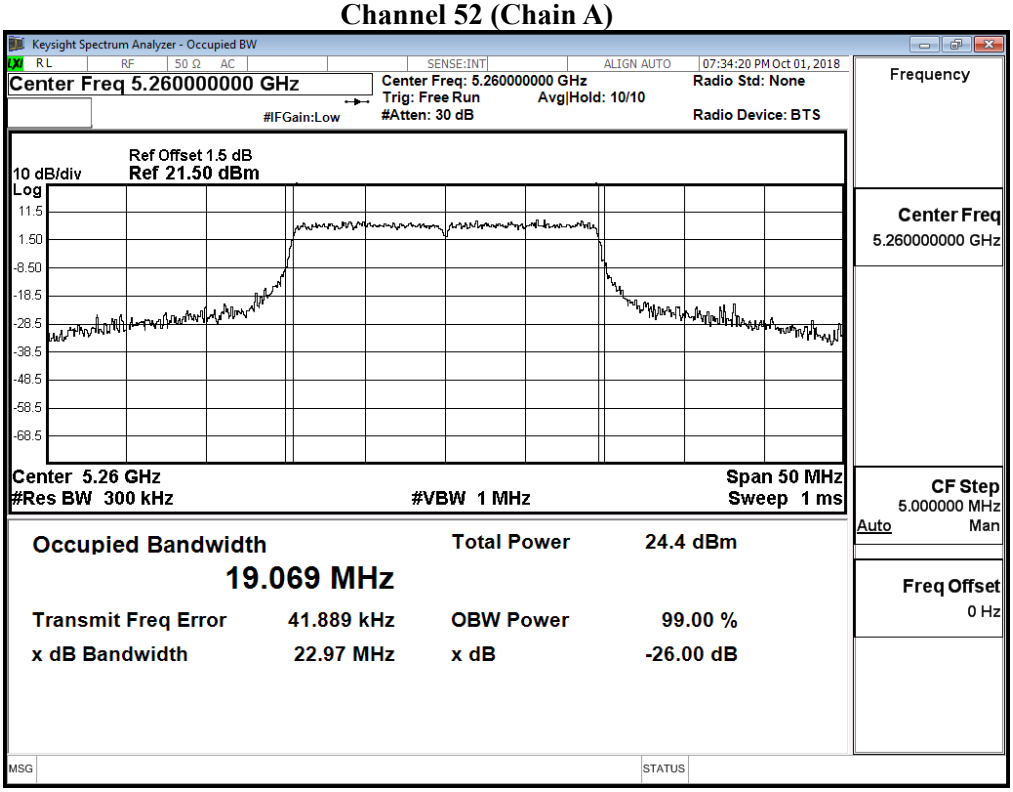
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
36	5180	--	15.16	15.14	18.16	24	--
44	5220	--	17.96	17.86	20.92	24	--
48	5240	--	17.13	17.22	20.19	24	--
52	5260	19.047	17.39	17.34	20.38	24	23.80
60	5300	19.053	16.93	17.44	20.20	24	23.80
64	5320	19.017	16.83	17.39	20.13	24	23.79
100	5500	19.021	15.82	16.19	19.02	24	23.79
116	5580	19.062	17.74	17.71	20.74	24	23.80
140	5700	19.056	16.09	16.73	19.43	24	23.80
144(U-NII-2C)	5720	14.527	16.300	16.160	19.24	24	22.62
144(U-NII-3)	5720	--	10.500	10.900	13.71	30	--
149	5745	--	17.79	17.8	20.81	30	--
157	5785	--	17.74	17.71	20.74	30	--
165	5825	--	17.79	17.77	20.79	30	--

Note:

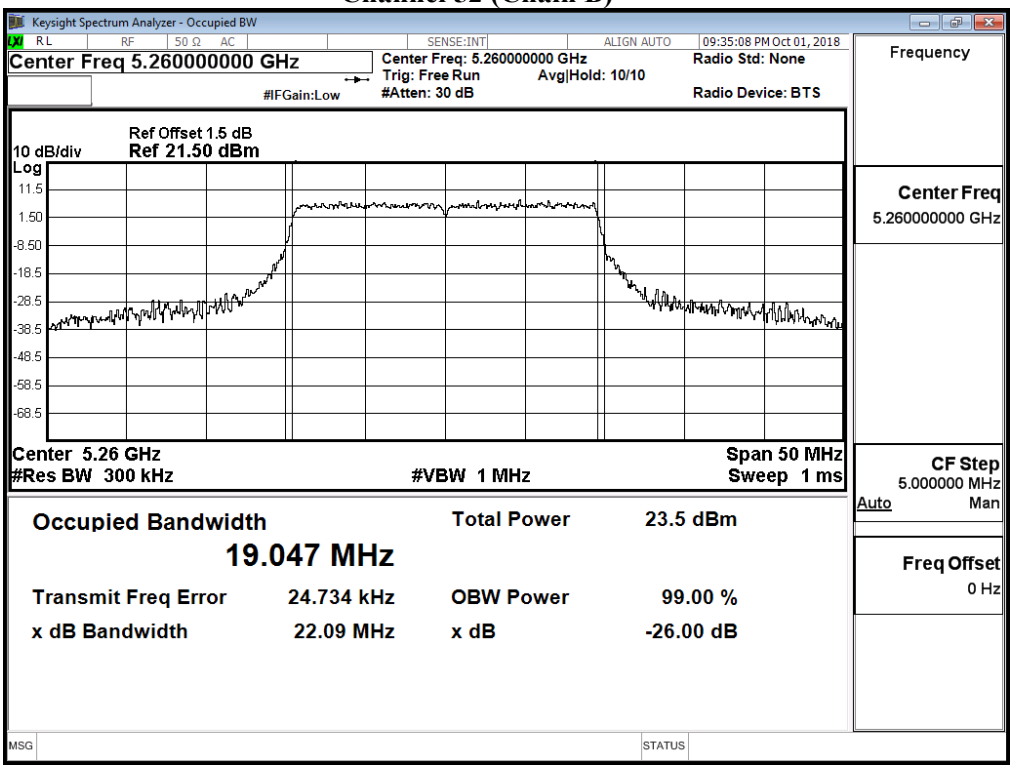
1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

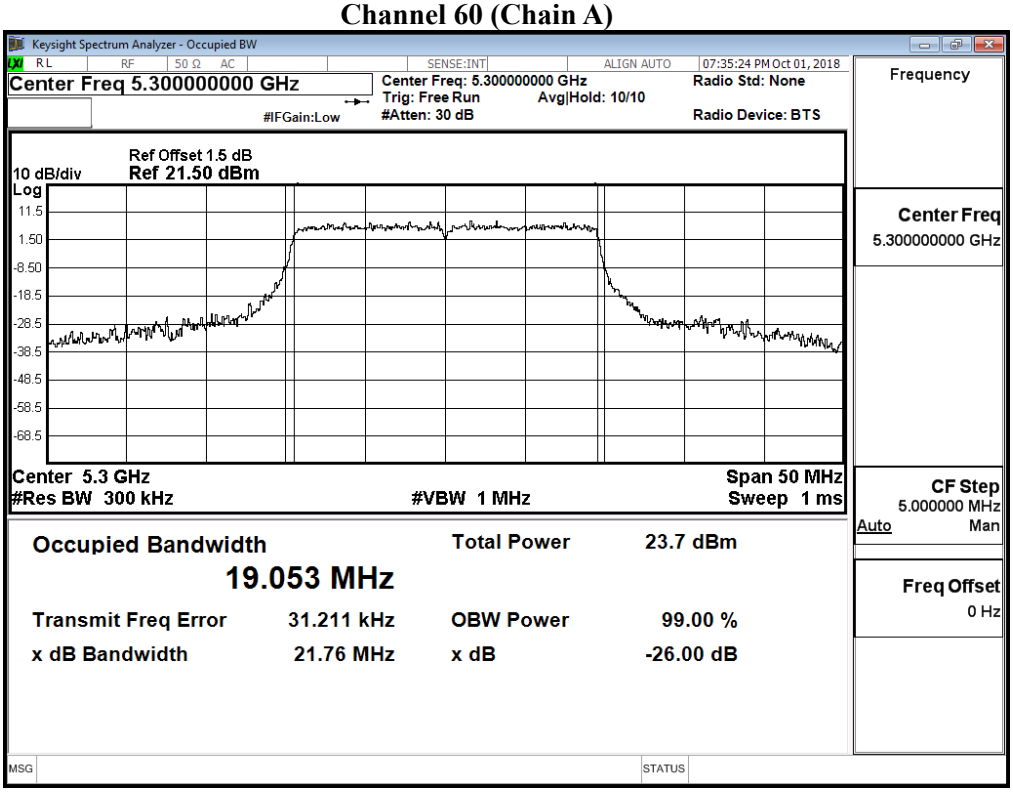
Channel 52 (Chain A)



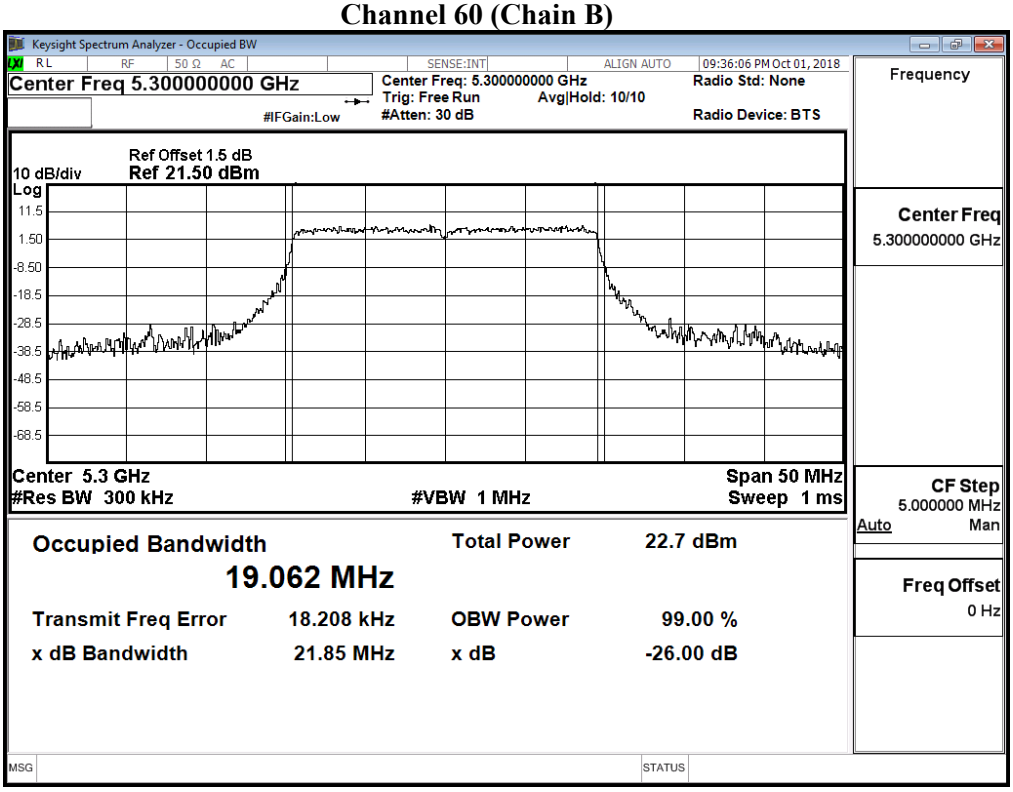
Channel 52 (Chain B)



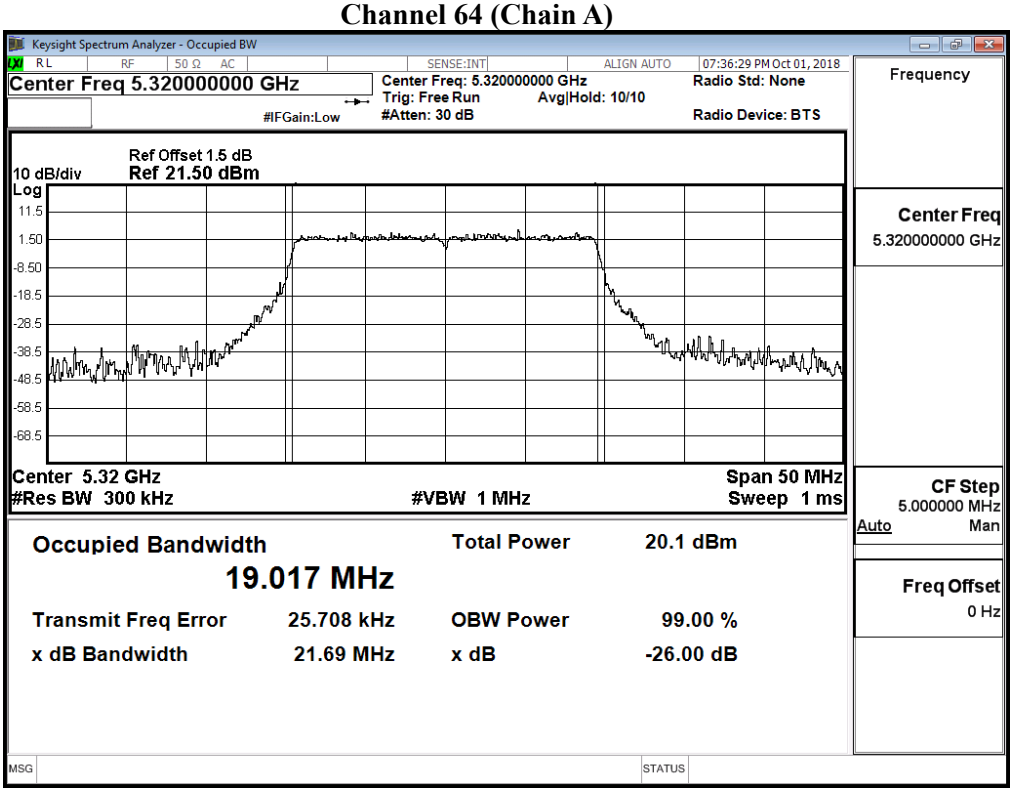
Channel 60 (Chain A)



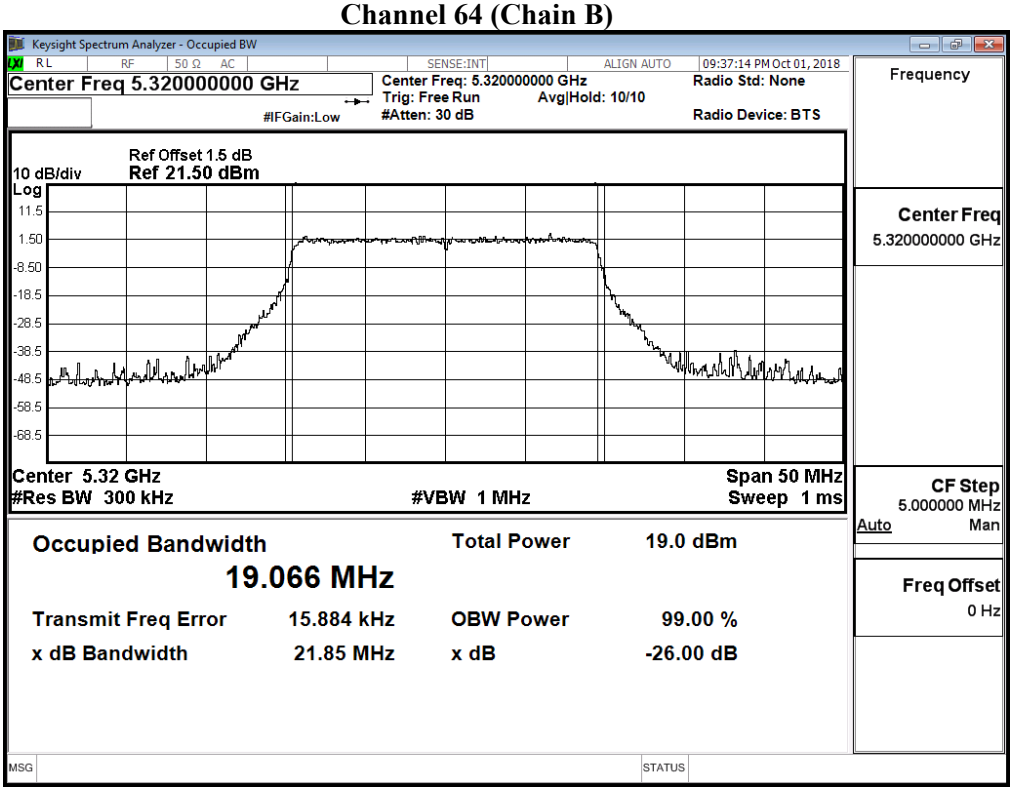
Channel 60 (Chain B)



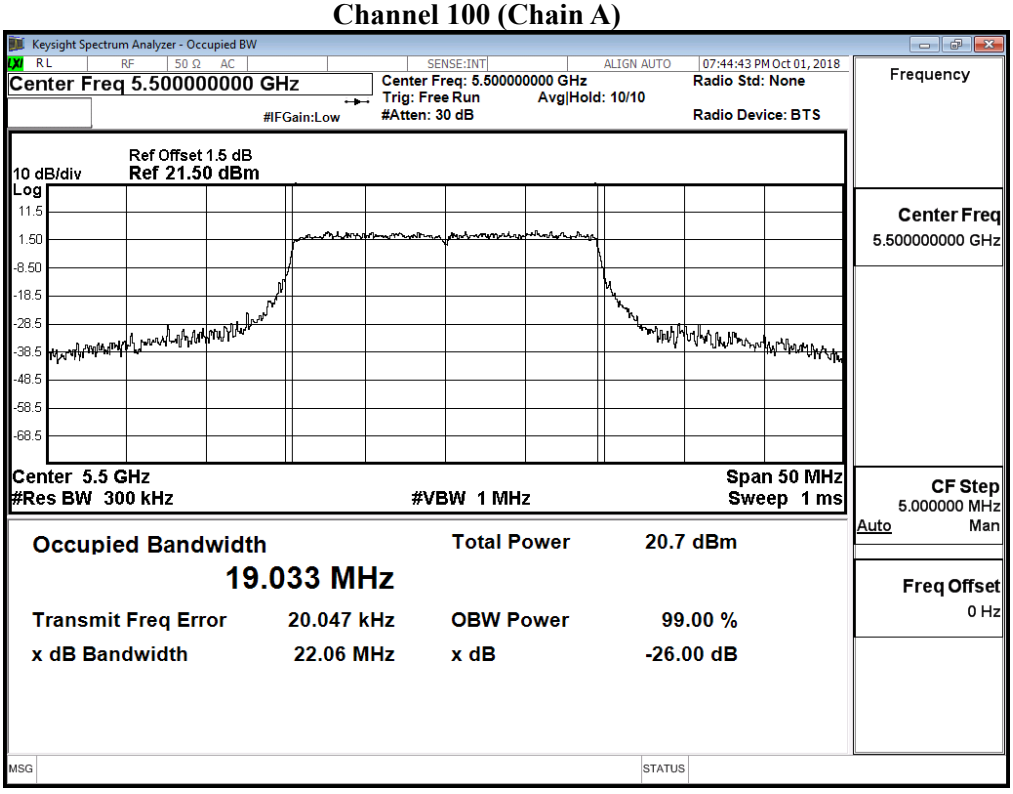
Channel 64 (Chain A)



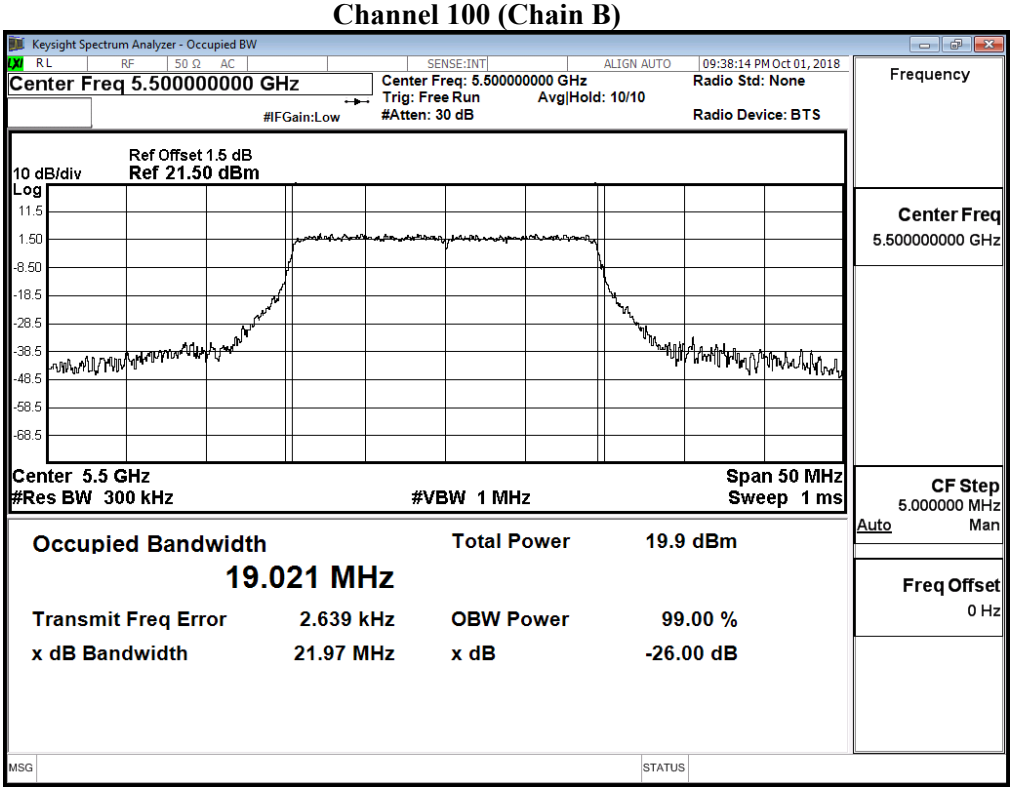
Channel 64 (Chain B)



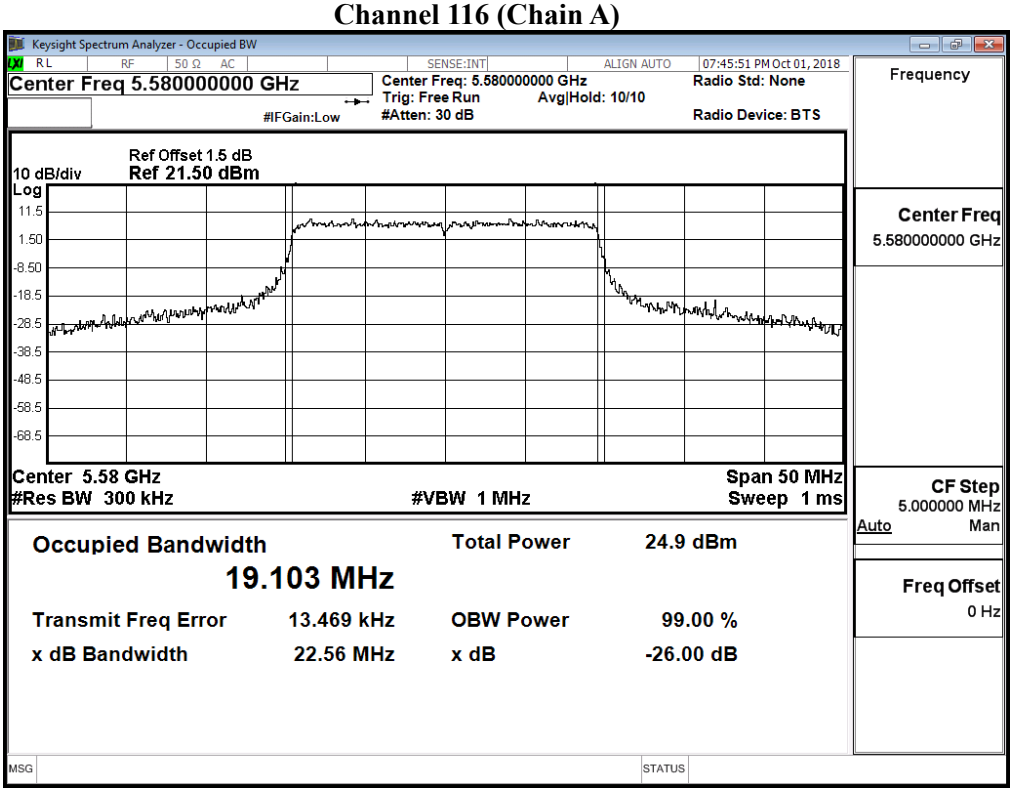
Channel 100 (Chain A)



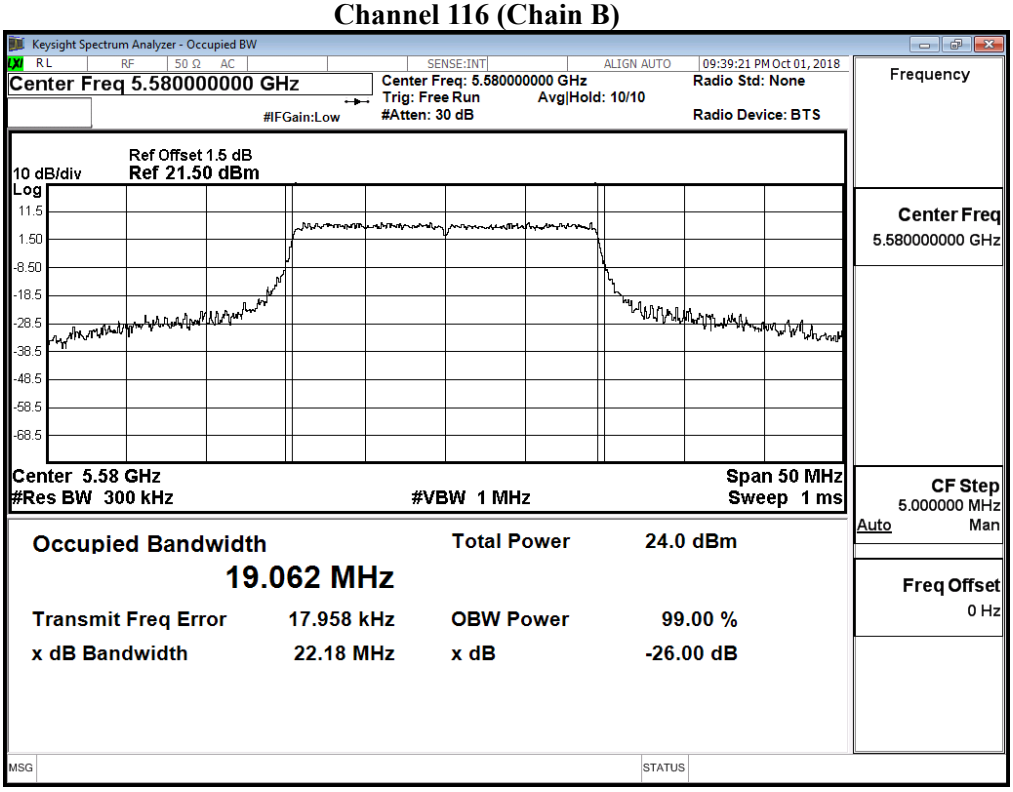
Channel 100 (Chain B)



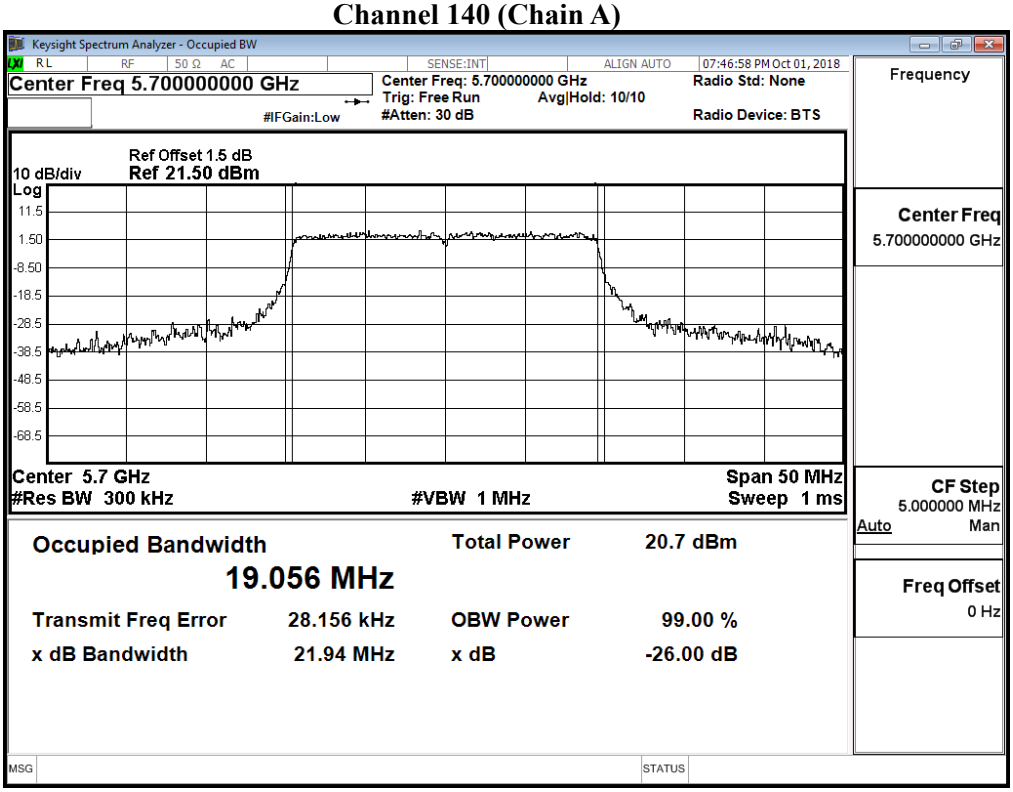
Channel 116 (Chain A)



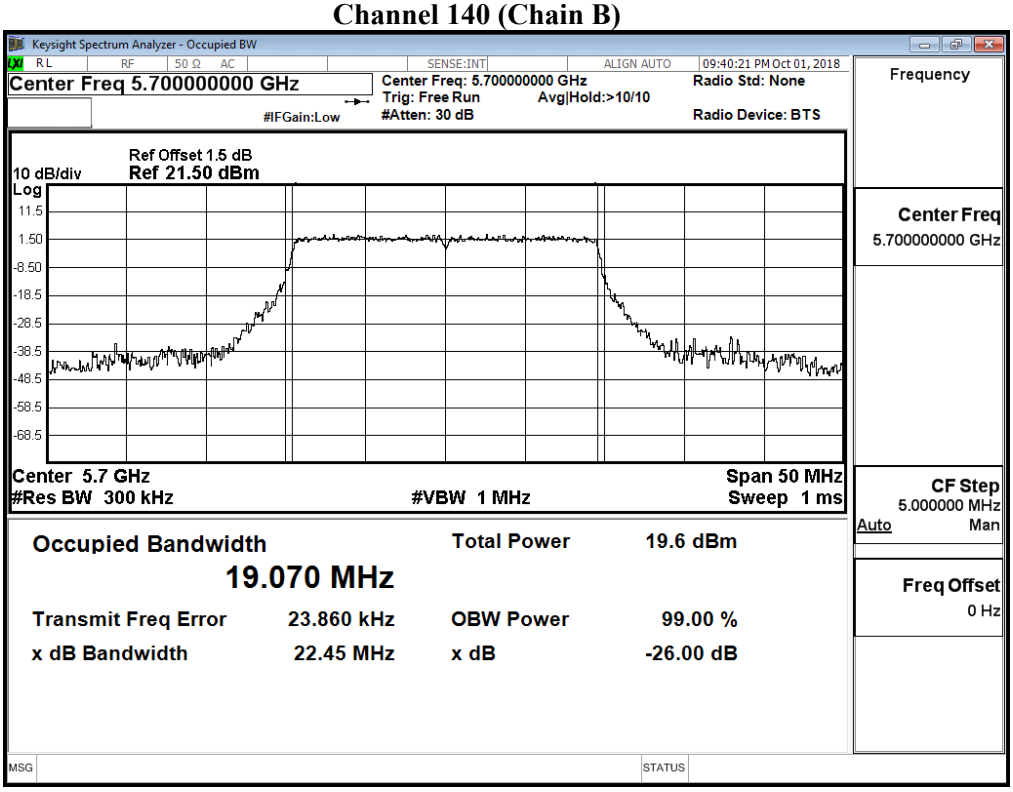
Channel 116 (Chain B)



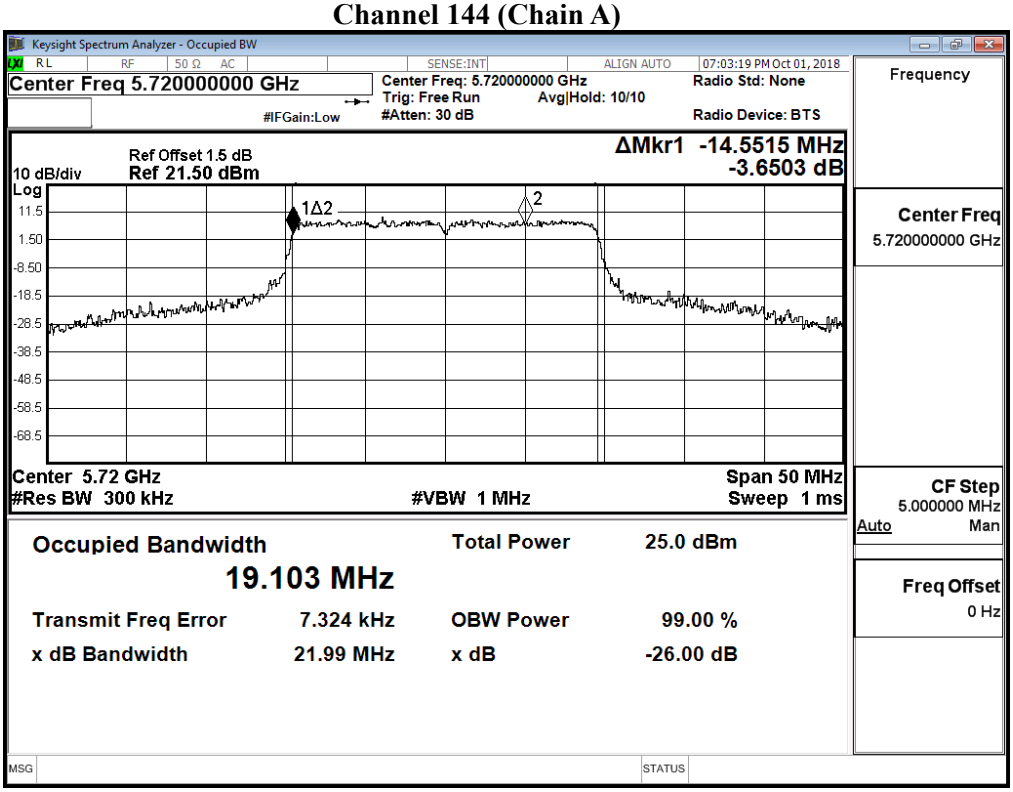
Channel 140 (Chain A)



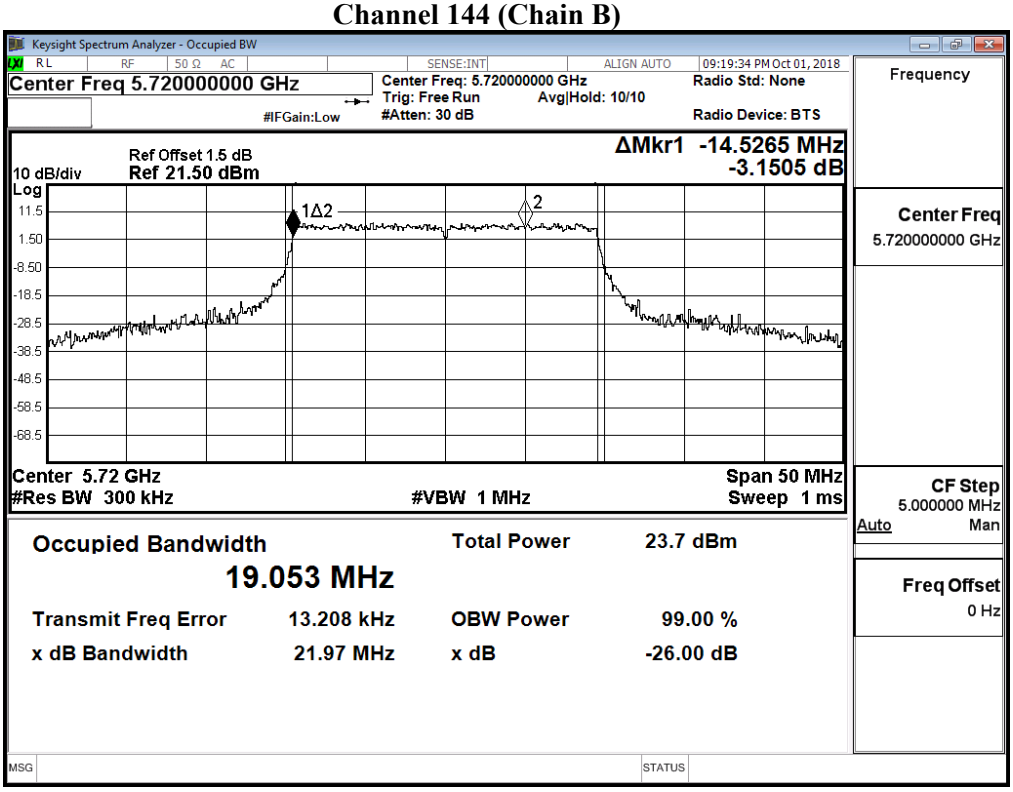
Channel 140 (Chain B)



Channel 144 (Chain A)

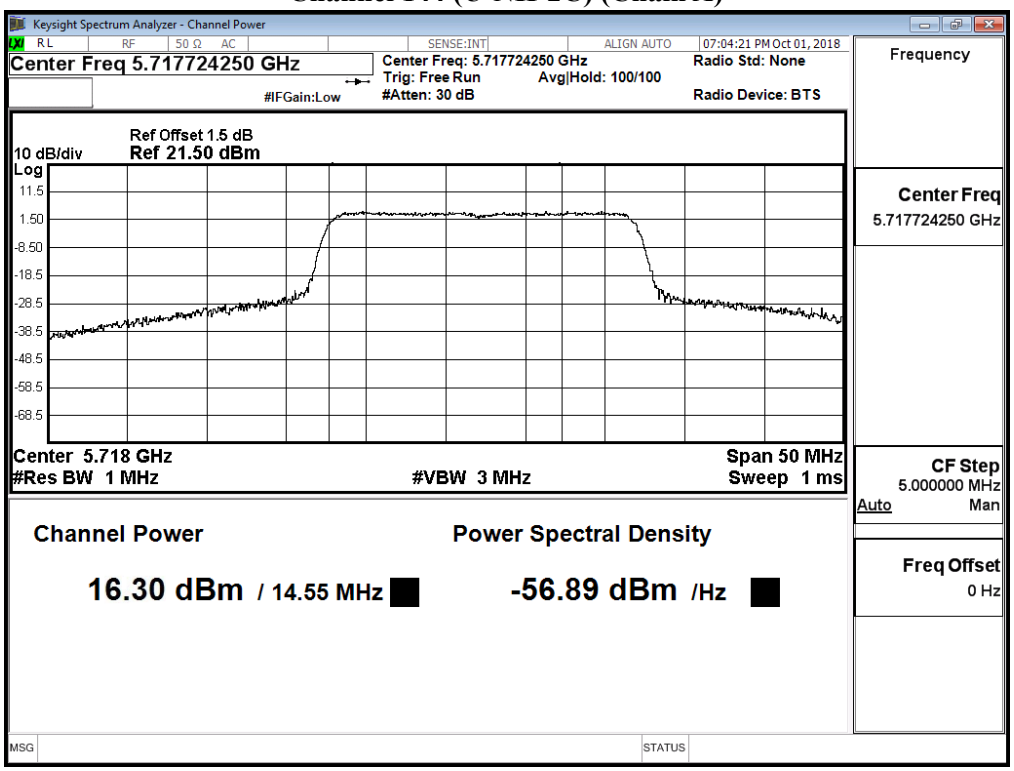


Channel 144 (Chain B)



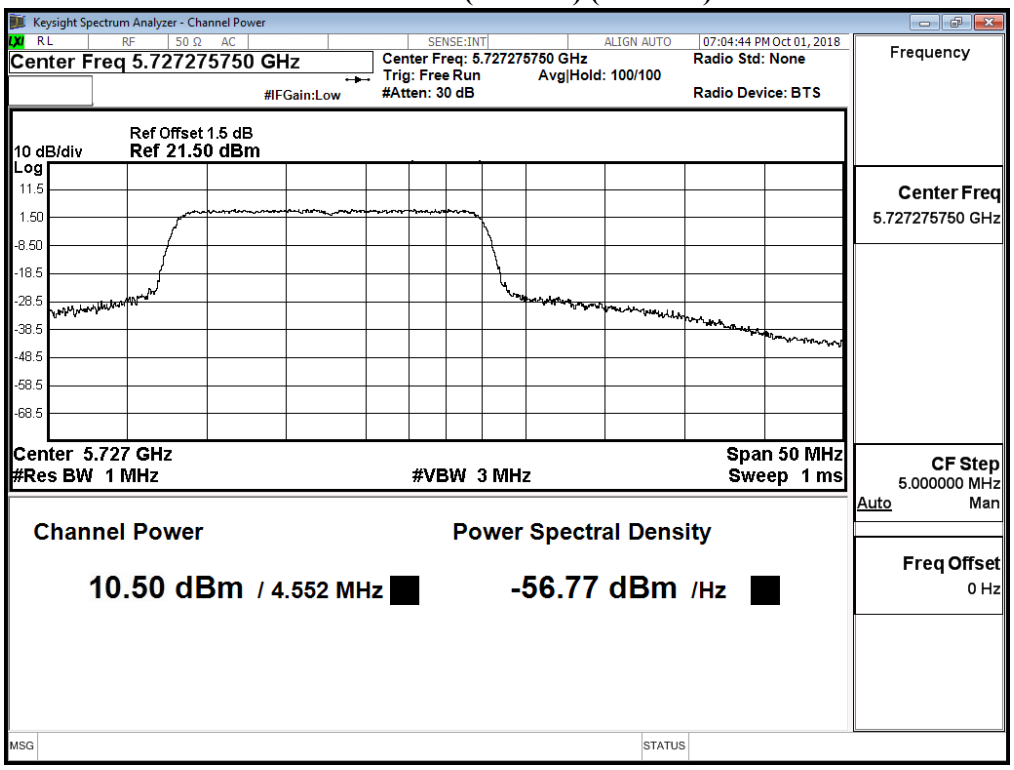
Maximum conducted output power:

Channel 144 (U-NII-2C) (Chain A)



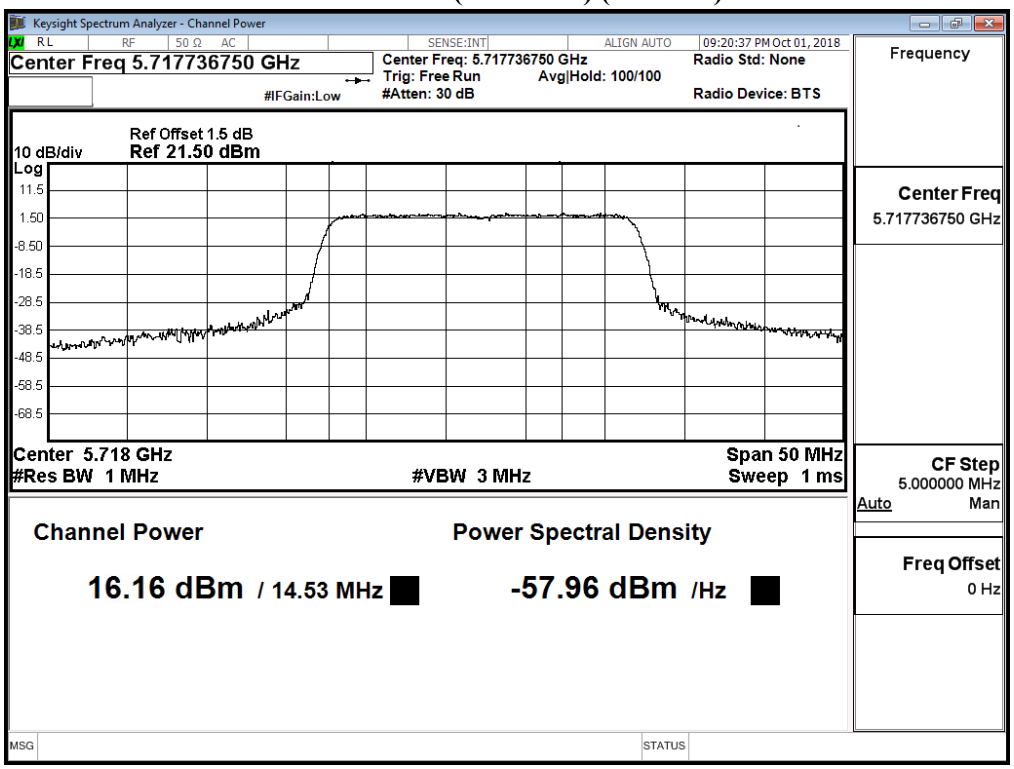
Maximum conducted output power:

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



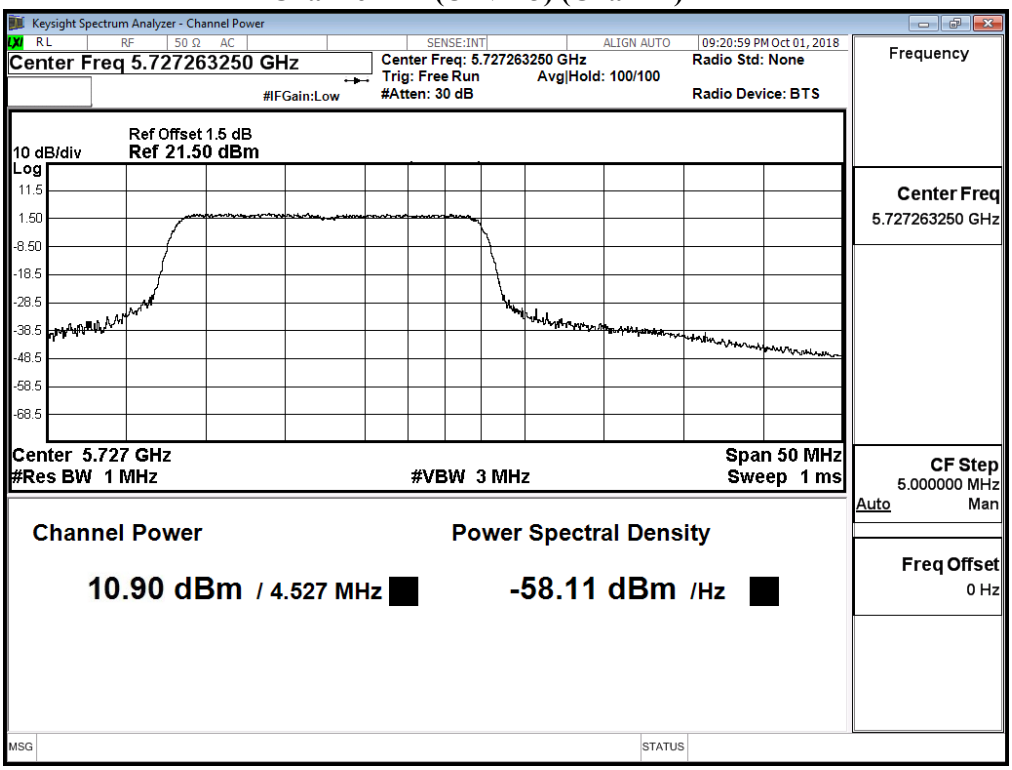
Maximum conducted output power:

Channel 144 (U-NII-2C) (Chain B)



Maximum conducted output power:

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



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
測試頻道：--　　測試模式：Mode 3: MIMO: 發射器 802.11ax-40BW
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 %

Chain A

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	16.44	--	--	--	--	--	--	--	--	--	--	--
46	5230	17.55	16.89	16.76	16.64	16.51	16.42	16.35	16.24	16.11	16.01	15.9	15.79
54	5270	16.72	--	--	--	--	--	--	--	--	--	--	--
62	5310	15.23	13.03	12.91	12.83	12.76	12.65	12.51	12.4	12.29	12.18	12.05	11.94
102	5510	13.98	--	--	--	--	--	--	--	--	--	--	--
110	5550	17.77	17.69	17.61	17.52	17.41	17.29	17.16	17.05	16.91	16.82	16.7	16.58
134	5670	17.48	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	16.61	16.57	16.52	16.51	16.47	16.43	16.41	16.38	16.37	16.35	16.31	16.28
142(U-NII-3)	5710	7.45	7.41	7.38	7.34	7.32	7.31	7.27	7.26	7.24	7.22	7.21	7.19
151	5755	17.75	--	--	--	--	--	--	--	--	--	--	--
159	5795	17.83	17.7	17.59	17.46	17.35	17.22	17.1	16.98	16.82	16.71	16.6	16.49

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power											
Channel No.	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
38	5190	16.71	--	--	--	--	--	--	--	--	--	--	--
46	5230	17.68	16.81	16.72	16.59	16.51	16.42	16.31	16.2	16.04	15.92	15.81	15.7
54	5270	16.67	--	--	--	--	--	--	--	--	--	--	--
62	5310	15.88	13.07	12.98	12.91	12.8	12.71	12.58	12.43	12.31	12.19	12.07	11.92
102	5510	14.56	--	--	--	--	--	--	--	--	--	--	--
110	5550	17.66	17.59	17.51	17.39	17.28	17.19	17.12	17.01	16.9	16.79	16.65	16.52
134	5670	17.55	--	--	--	--	--	--	--	--	--	--	--
142(U-NII-2C)	5710	16.65	16.64	16.62	16.59	16.57	16.55	16.51	16.47	16.42	16.41	16.38	16.34
142(U-NII-3)	5710	7.1	7.08	7.05	7.02	6.99	6.95	6.94	6.92	6.88	6.87	6.85	6.82
151	5755	17.64	--	--	--	--	--	--	--	--	--	--	--
159	5795	17.76	17.62	17.51	17.4	17.29	17.15	17.04	16.92	16.81	16.7	16.58	16.45

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

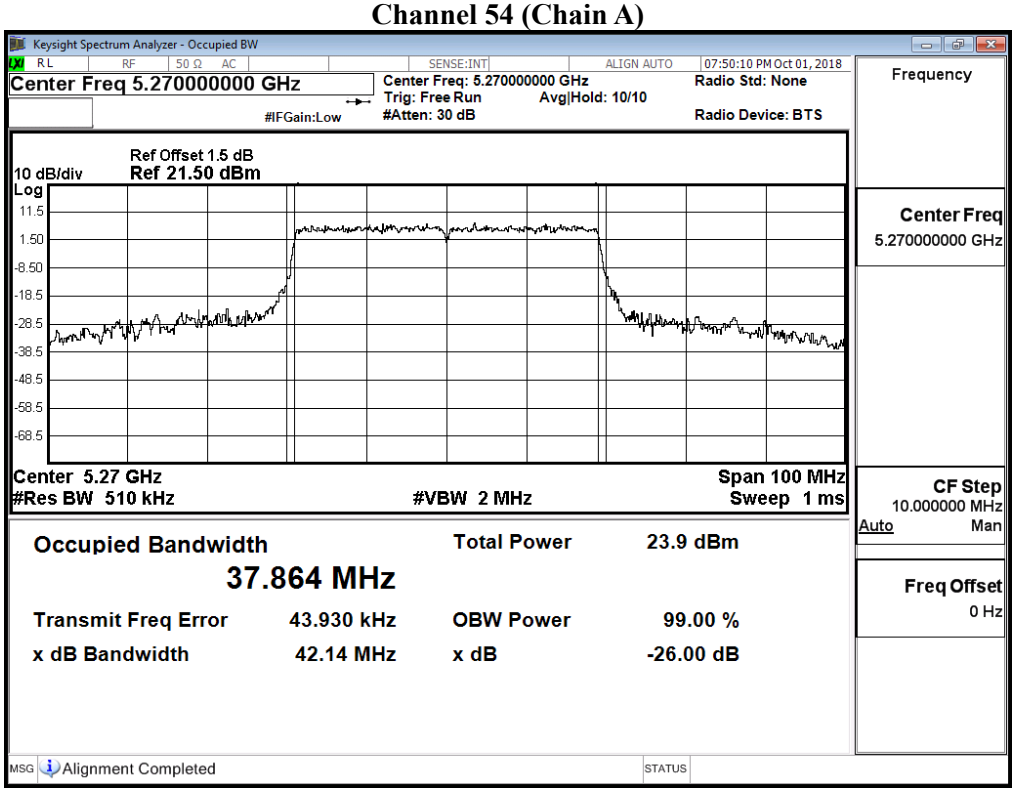
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
38	5190	--	16.44	16.71	19.59	24	--
46	5230	--	17.55	17.68	20.63	24	--
54	5270	37.782	16.72	16.67	19.71	24	26.77
62	5310	37.824	15.23	15.88	18.58	24	26.78
102	5510	37.846	13.98	14.56	17.29	24	26.78
110	5550	37.869	17.77	17.66	20.73	24	26.78
134	5670	37.872	17.48	17.55	20.53	24	26.78
142(U-NII-2C)	5710	33.943	16.61	16.65	19.64	24	26.31
142(U-NII-3)	5710	--	7.45	7.10	10.29	30	--
151	5755	--	17.75	17.64	20.71	30	--
159	5795	--	17.83	17.76	20.81	30	--

Note:

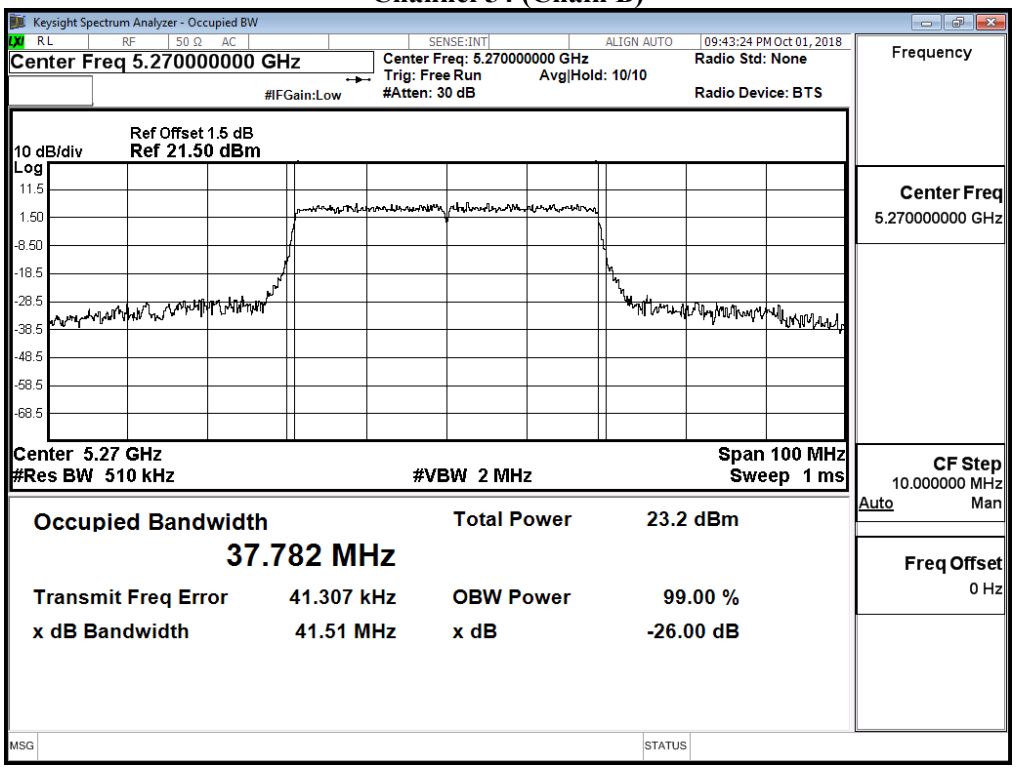
1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

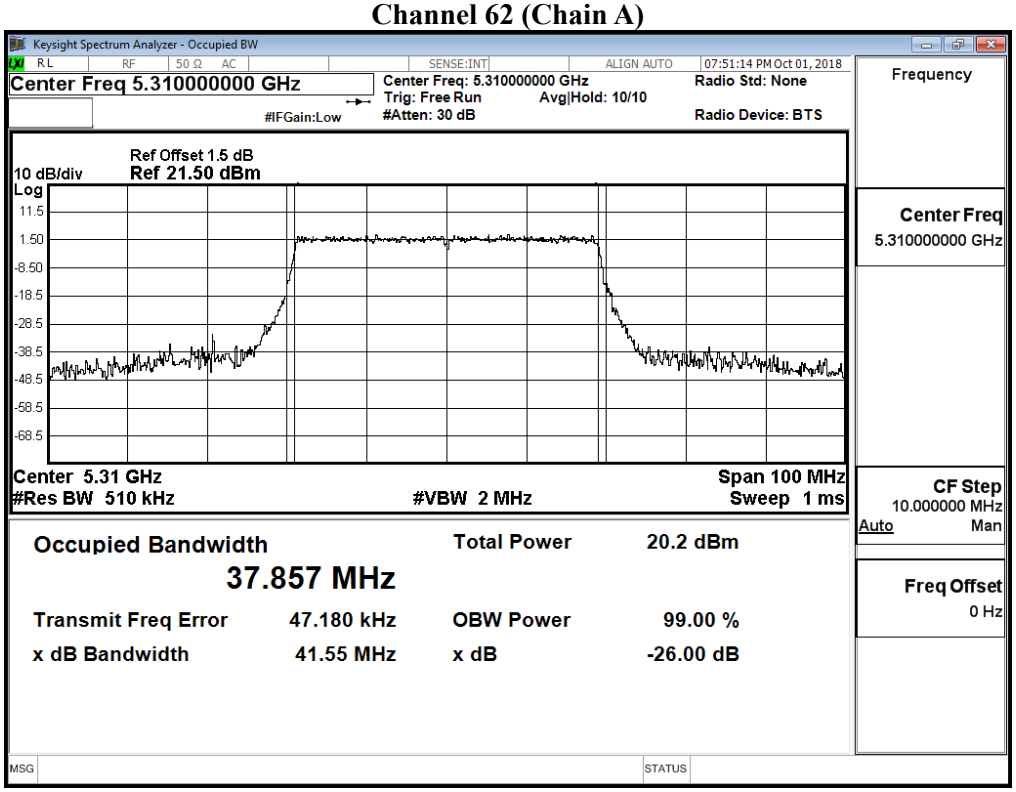
Channel 54 (Chain A)



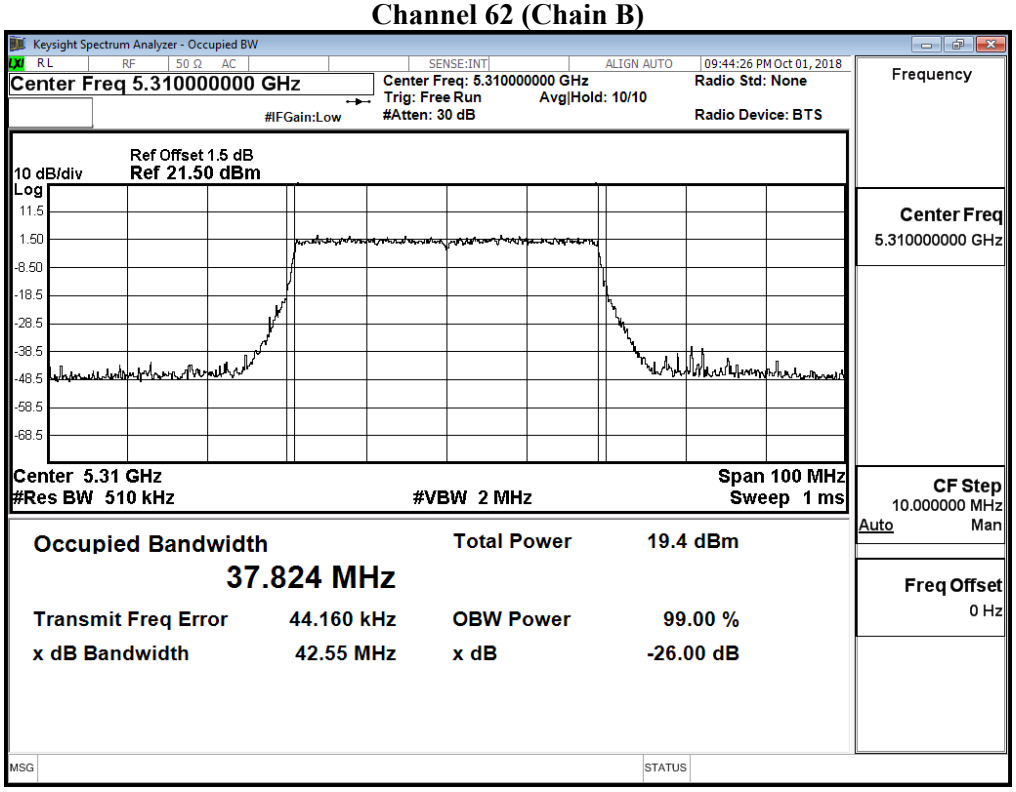
Channel 54 (Chain B)



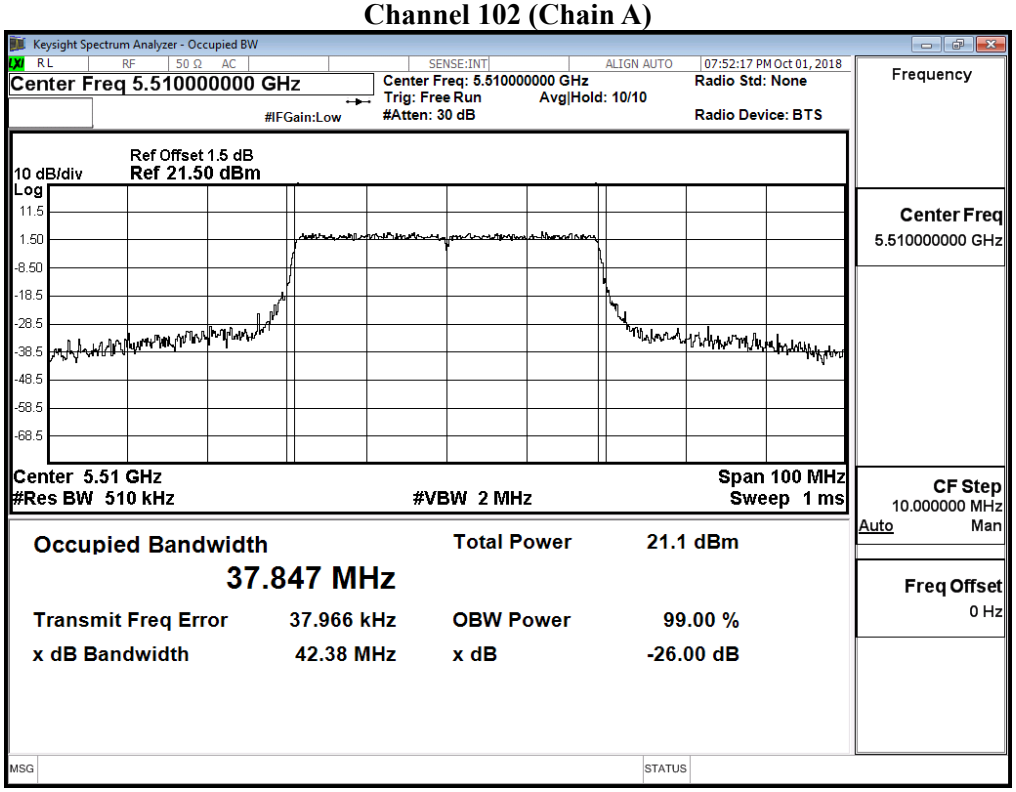
Channel 62 (Chain A)



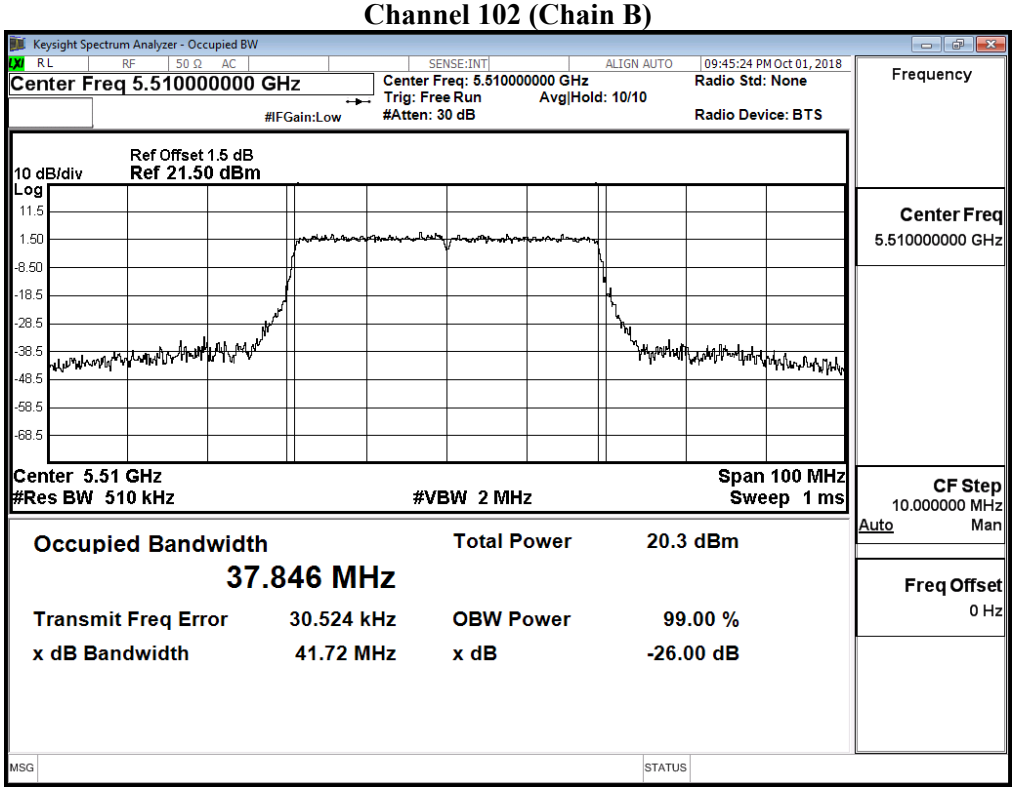
Channel 62 (Chain B)



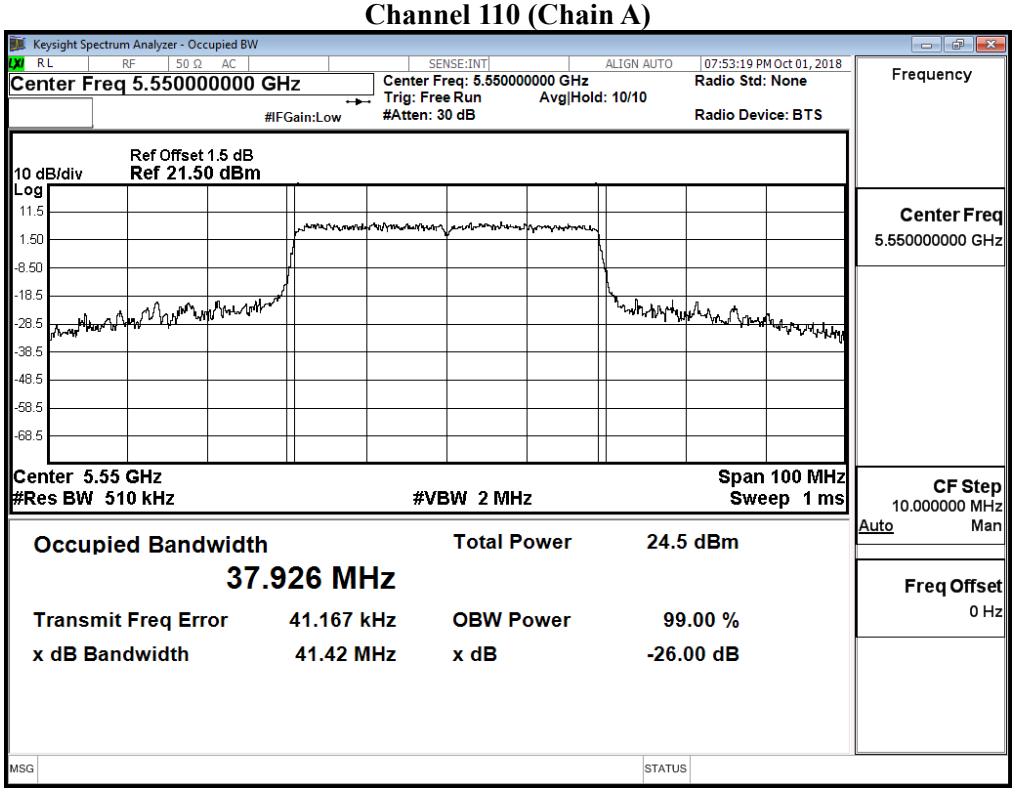
Channel 102 (Chain A)



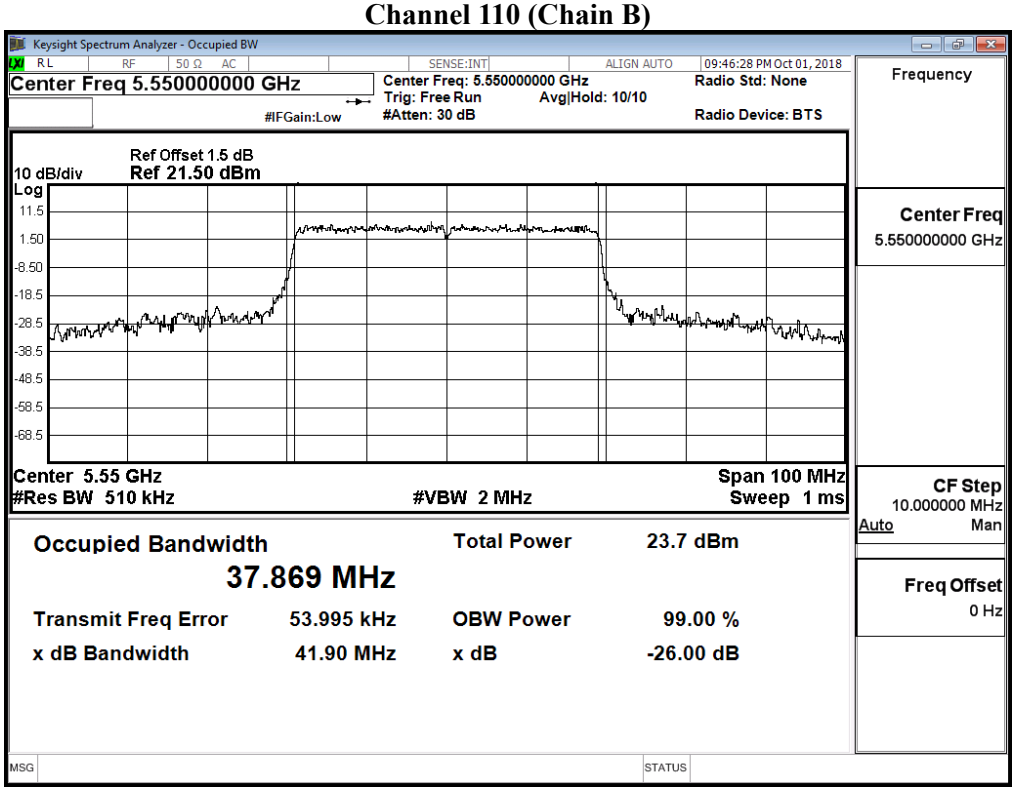
Channel 102 (Chain B)



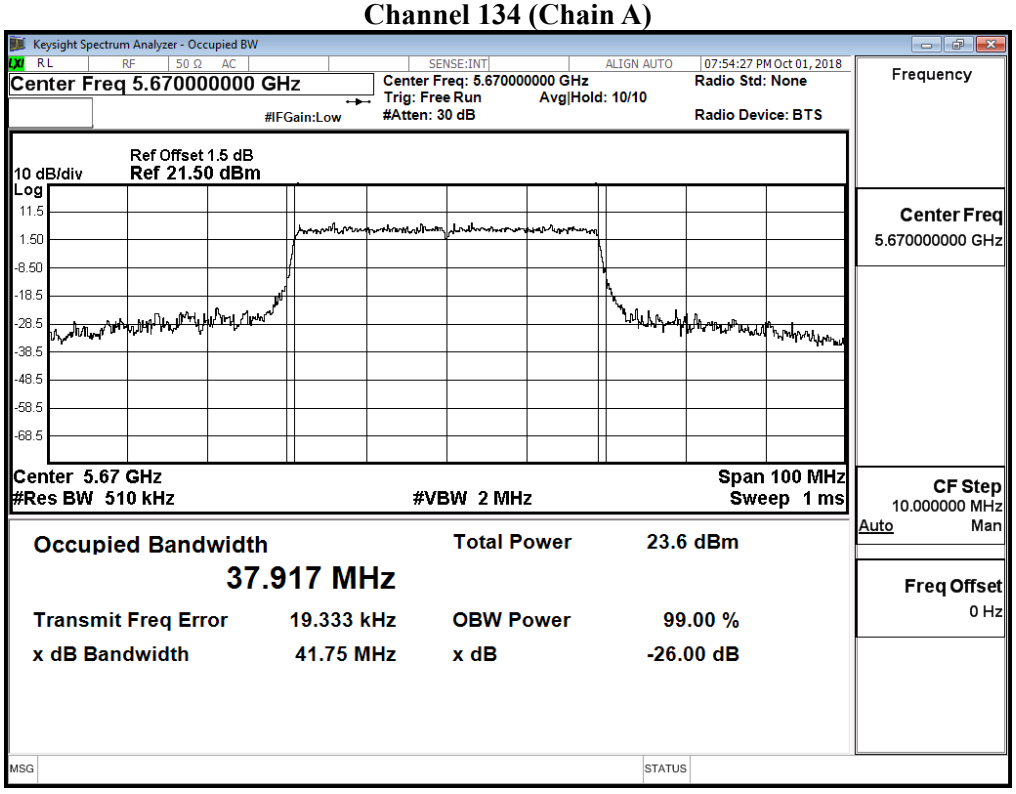
Channel 110 (Chain A)



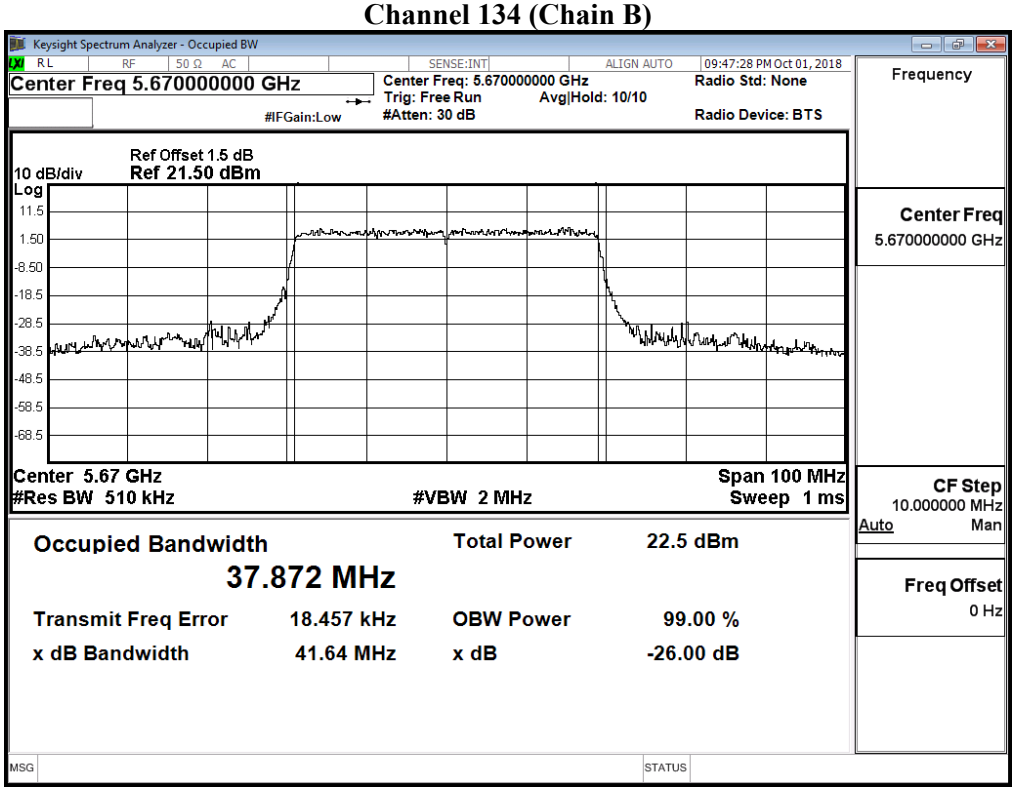
Channel 110 (Chain B)



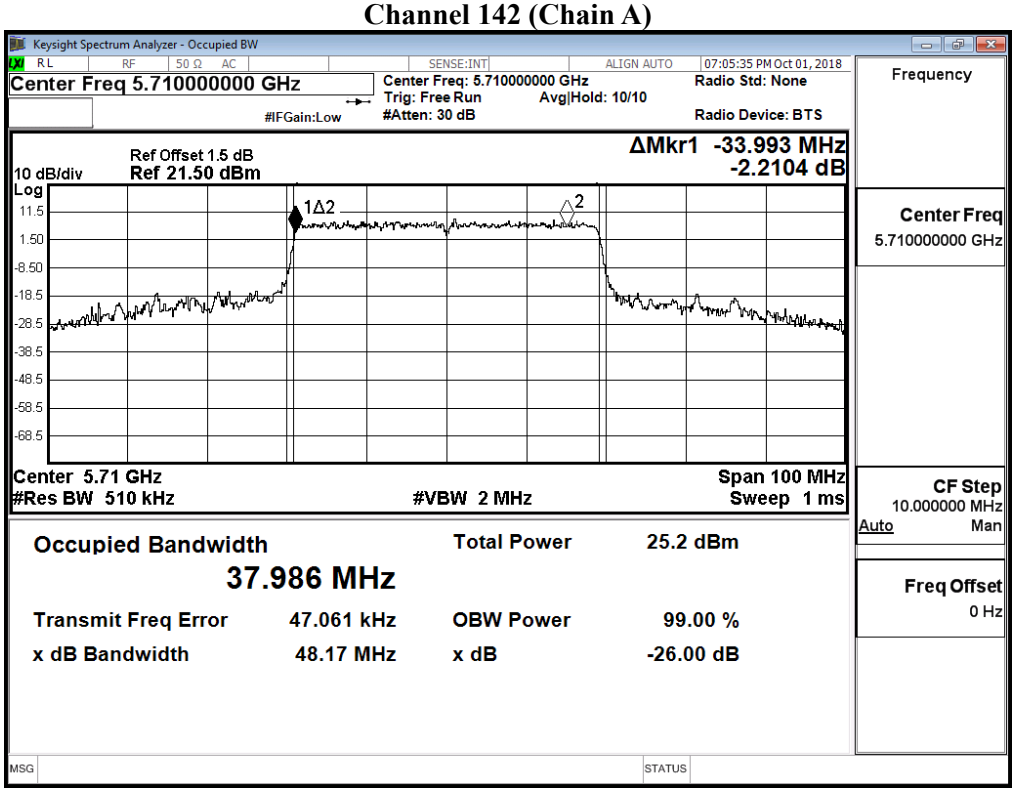
Channel 134 (Chain A)



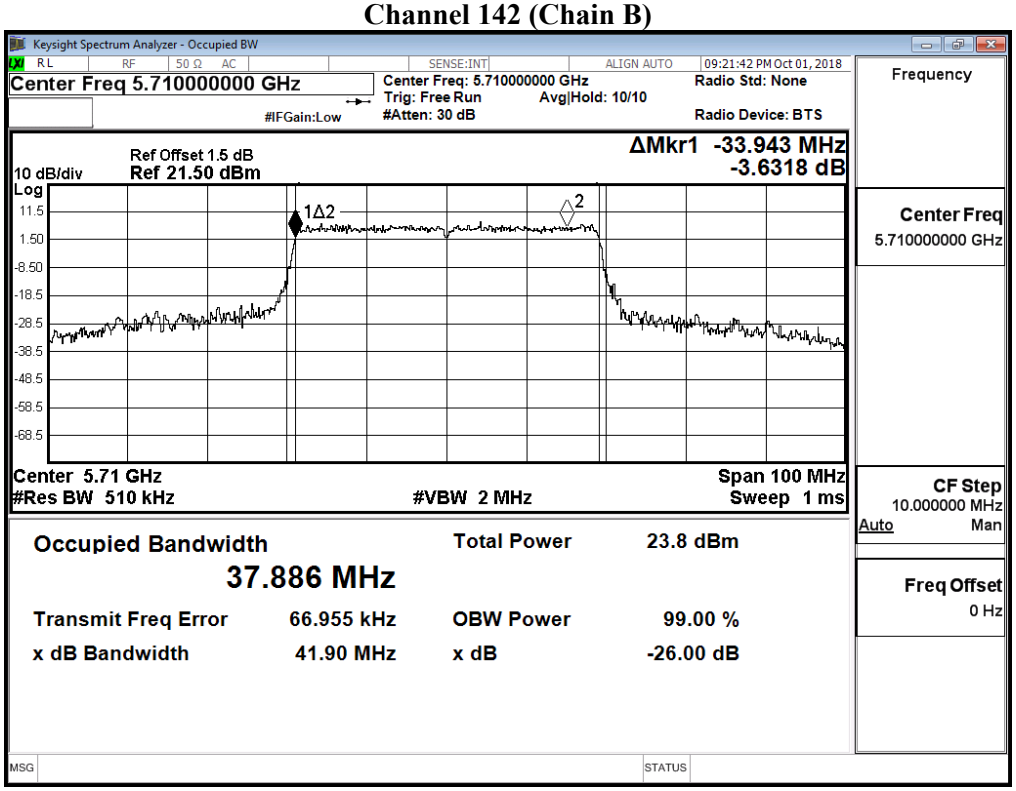
Channel 134 (Chain B)



Channel 142 (Chain A)

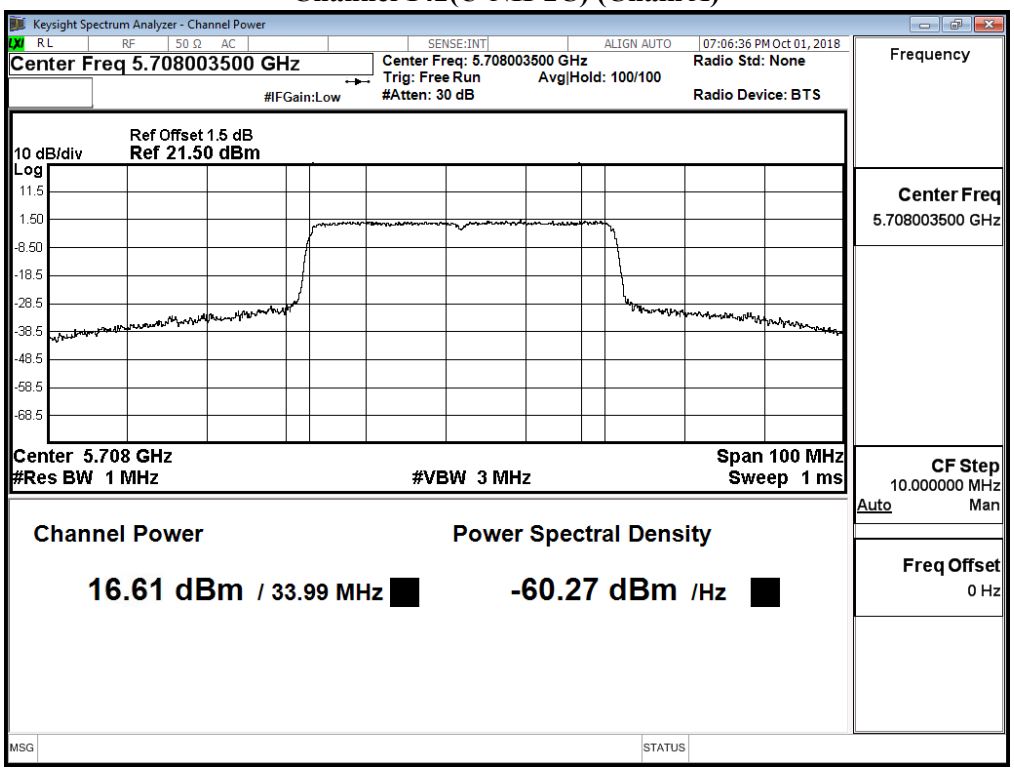


Channel 142 (Chain B)



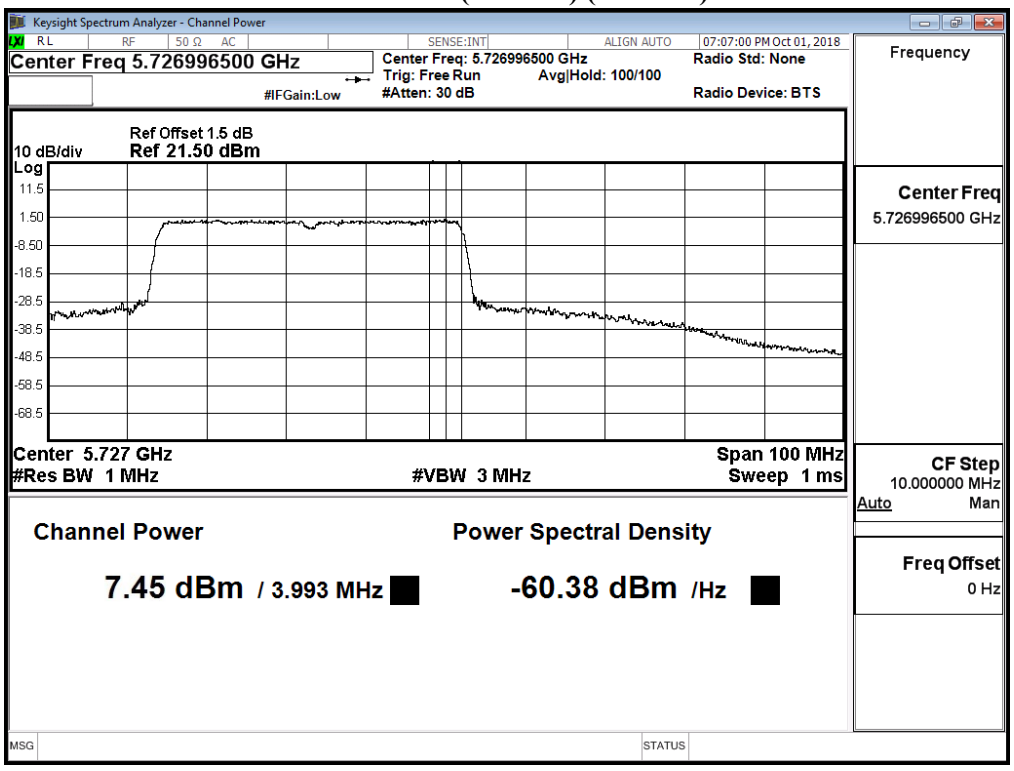
Maximum conducted output power:

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



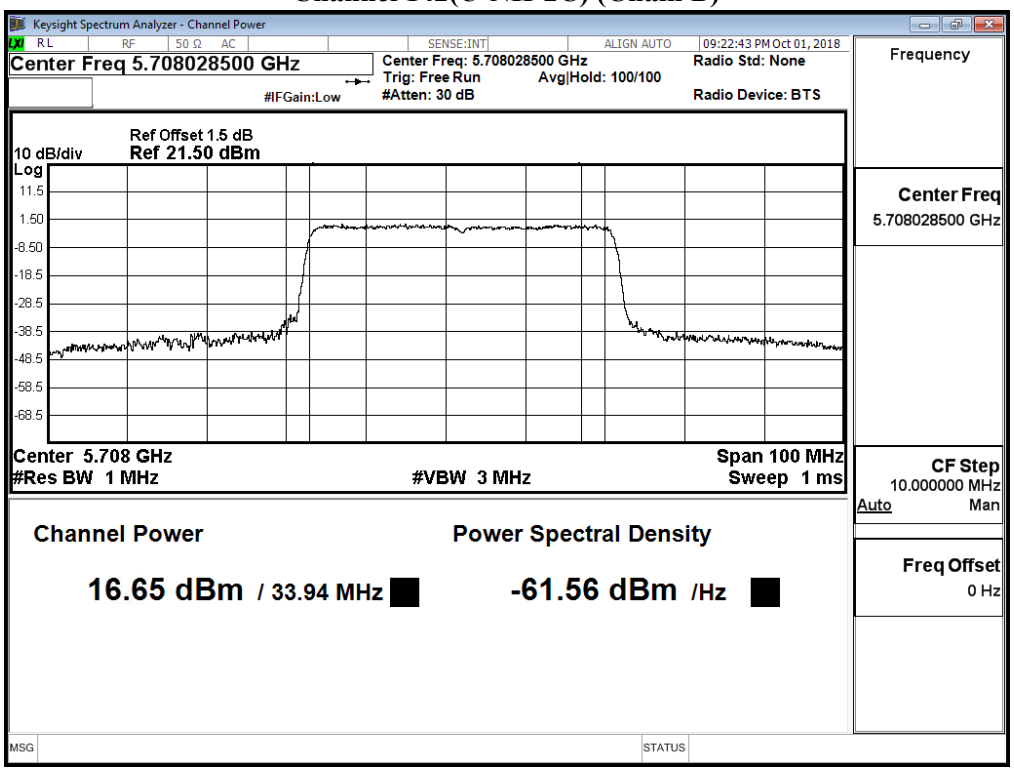
Maximum conducted output power:

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



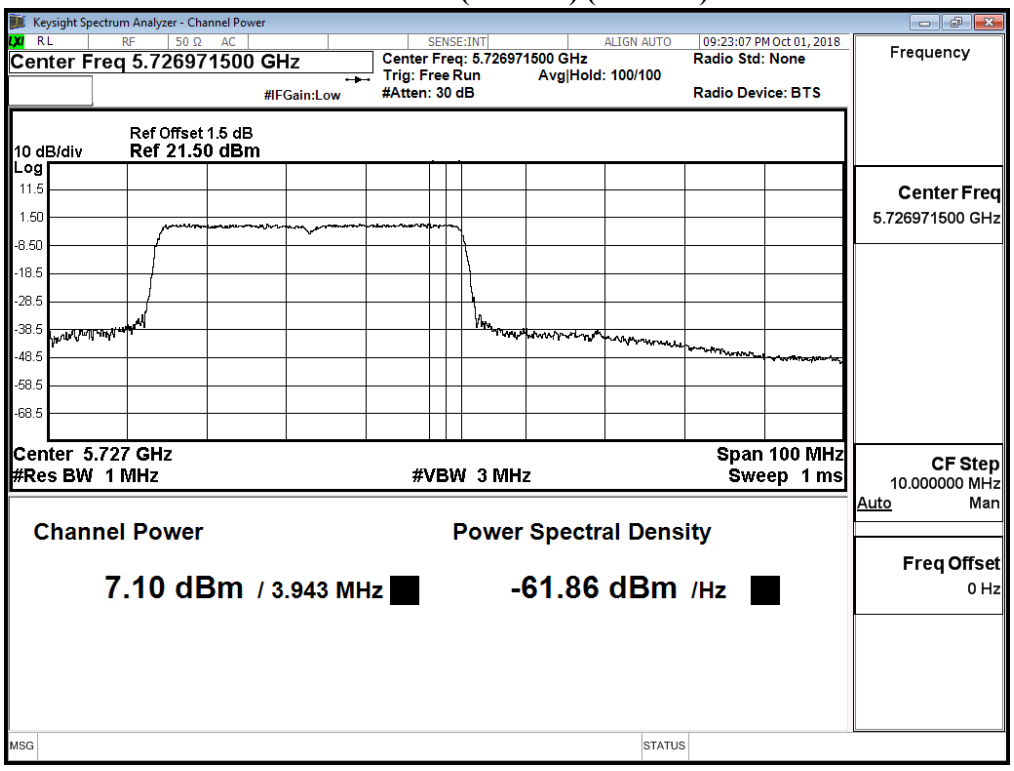
Maximum conducted output power:

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



Maximum conducted output power:

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



待測物名稱：Intel® Wi-Fi 6 AX201
待測物型號：AX201NGW　　測試項目：峰值發射功率
測試頻道：--　　測試模式：Mode 3: MIMO: 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 %

Chain A

Cable loss=1.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	15.37	15.31	15.28	14.81	14.69	14.58	14.46	14.35	14.21	14.13	14.02	13.90
58	5290	14.66	14.53	14.46	14.37	14.22	14.18	14.11	14.07	13.46	13.32	13.21	13.11
106	5530	14.72	--	--	--	--	--	--	--	--	--	--	--
122	5610	17.81	17.70	17.59	17.45	17.32	17.21	17.06	16.90	16.75	16.61	16.50	16.38
138 (U-NII-2C)	5690	17.16	--	--	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	4.28	--	--	--	--	--	--	--	--	--	--	--
155	5775	17.40	16.59	16.51	16.42	16.35	16.31	16.29	16.18	16.11	16.07	15.99	15.88

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	15.34	15.28	15.22	15.17	15.16	15.12	15.09	15.01	14.99	14.90	14.79	14.75
58	5290	14.62	14.59	14.55	14.51	14.48	14.46	14.38	14.29	14.23	14.18	14.14	14.09
106	5530	14.72	--	--	--	--	--	--	--	--	--	--	--
122	5610	17.83	14.71	14.59	17.45	17.32	17.18	17.05	16.91	16.8	16.69	16.52	16.41
138 (U-NII-2C)	5690	17.15	--	--	--	--	--	--	--	--	--	--	--
138 (U-NII-3)	5690	4.3	--	--	--	--	--	--	--	--	--	--	--
155	5775	17.52	16.62	16.51	16.46	16.39	16.34	16.28	16.17	16.11	16.05	15.98	15.92

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:

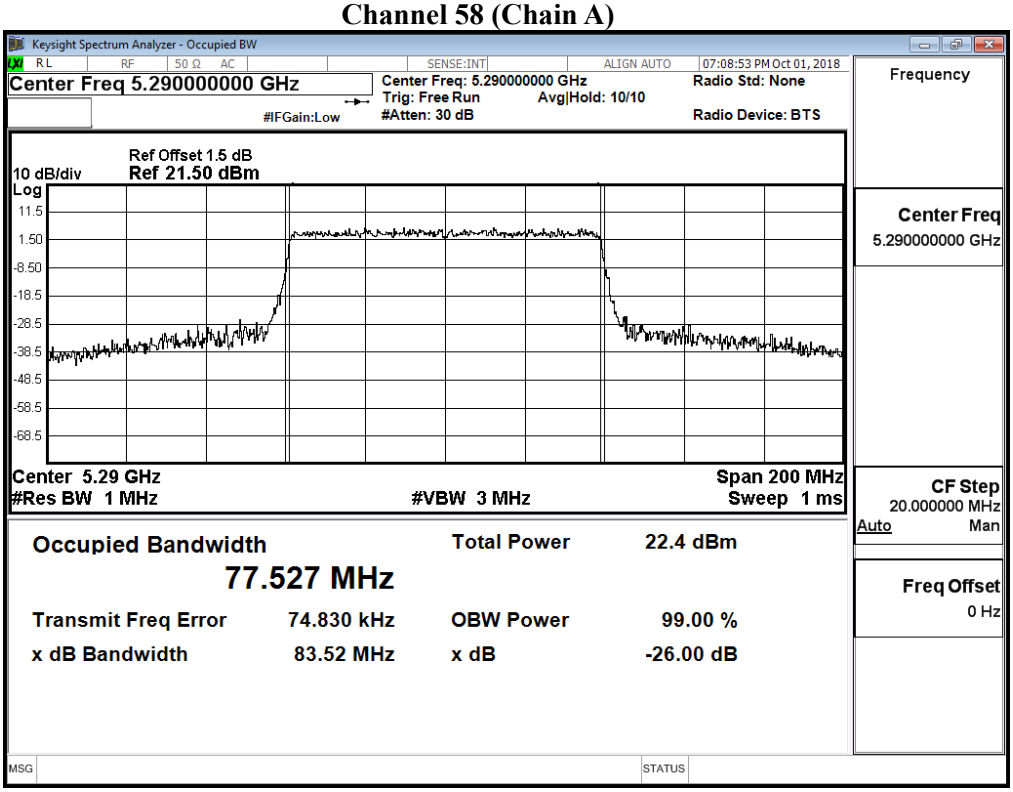
Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
42	5210	--	15.370	15.340	18.37	24	--
58	5290	77.485	14.660	14.620	17.65	24	29.89
106	5530	77.357	14.720	14.720	17.73	24	29.88
122	5610	77.574	17.810	17.830	20.83	24	29.90
138 (U-NII-2C)	5690	73.835	17.160	17.150	20.17	24	29.68
138 (U-NII-3)	5690	--	4.280	4.300	7.30	30	--
155	5775	--	17.400	17.520	20.47	30	--

Note:

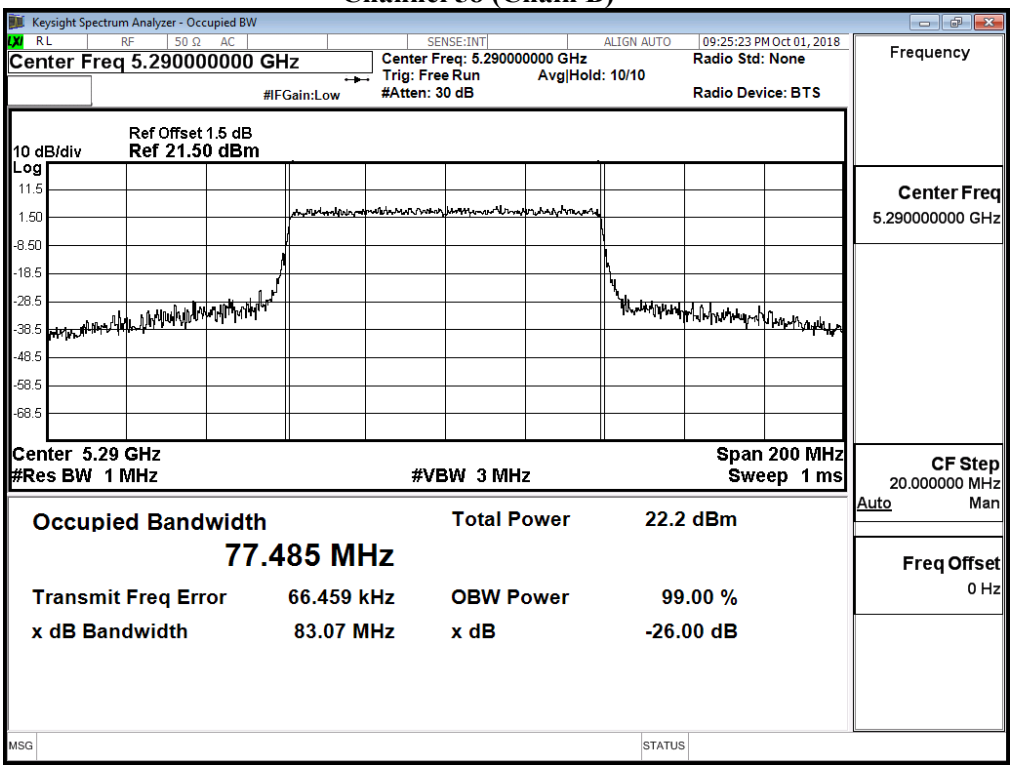
1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

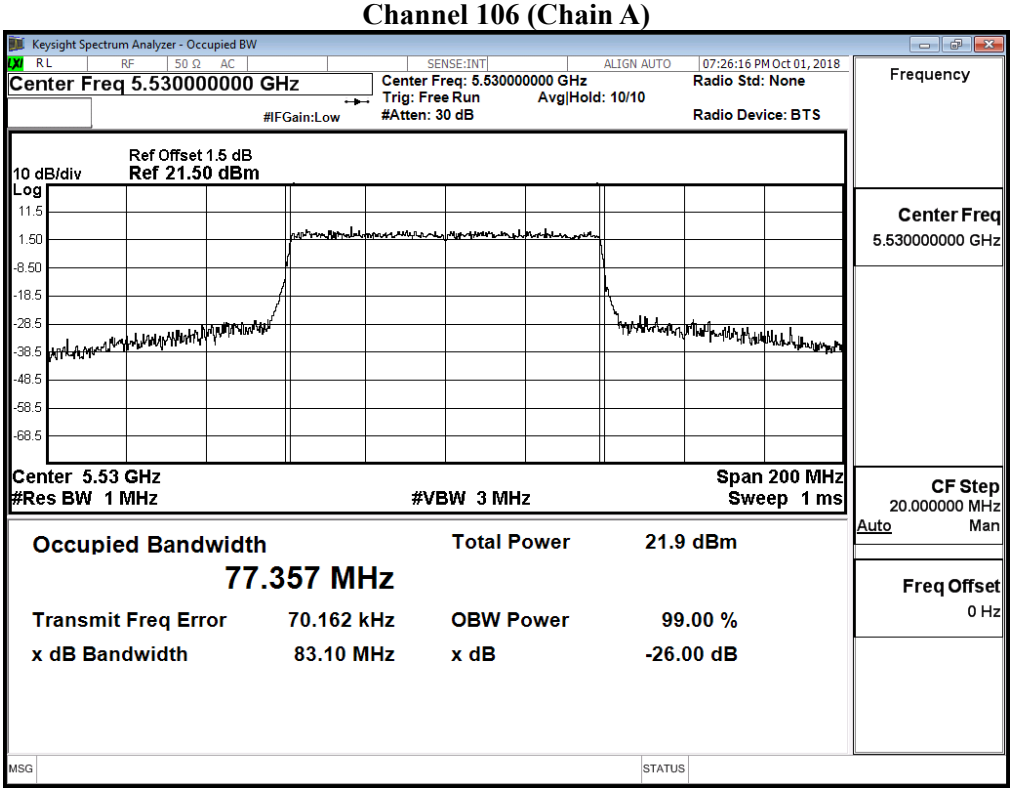
Channel 58 (Chain A)



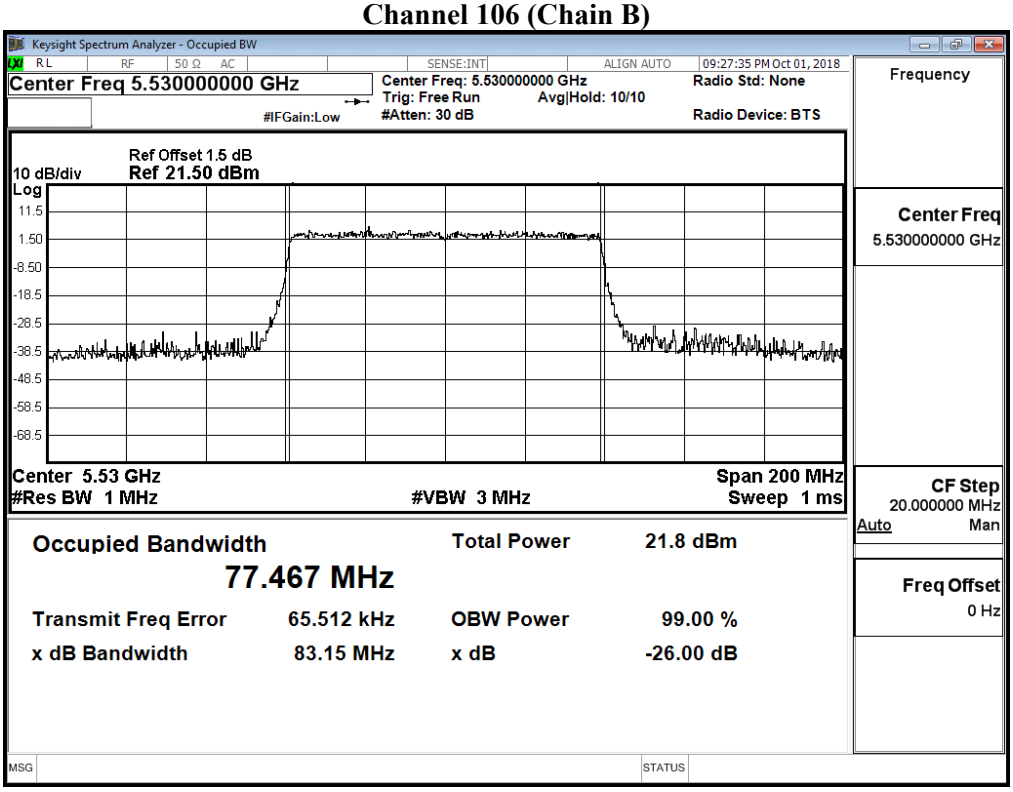
Channel 58 (Chain B)



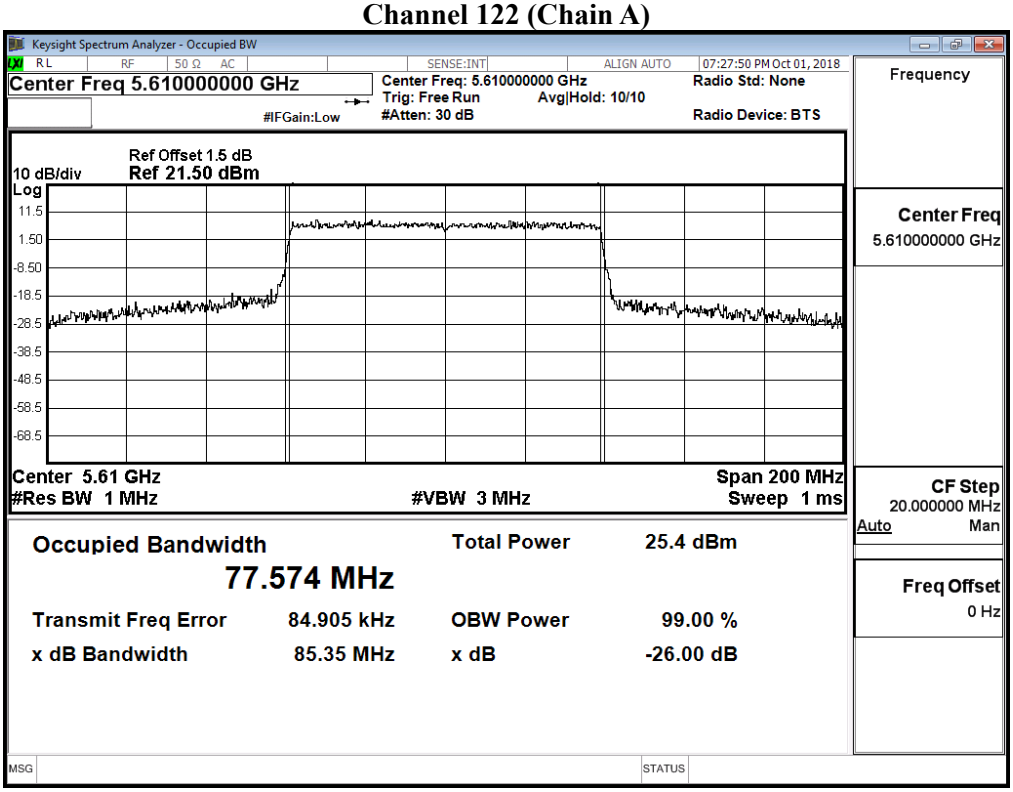
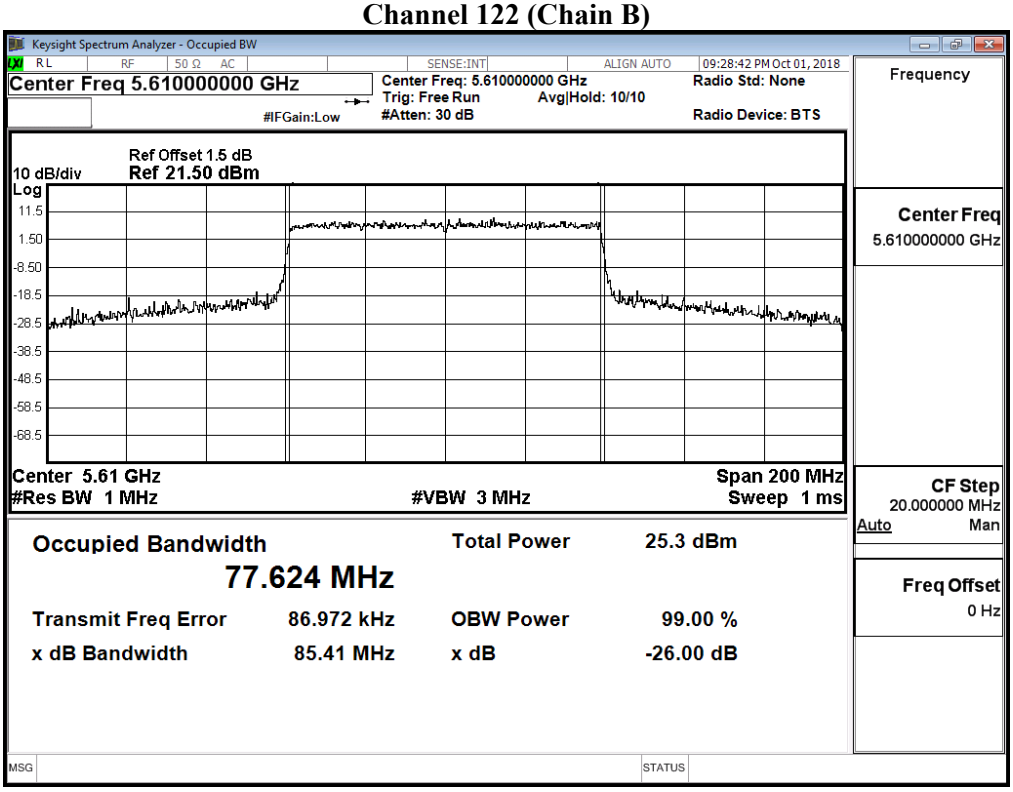
Channel 106 (Chain A)



Channel 106 (Chain B)



Channel 122 (Chain A)



Channel 122 (Chain B)