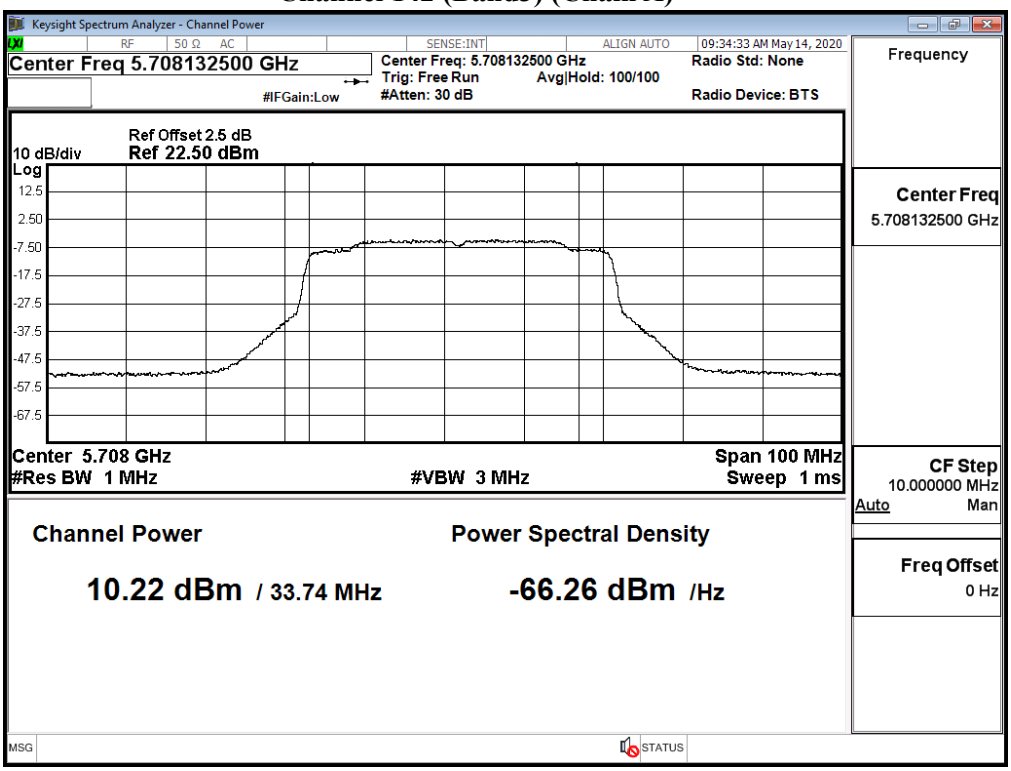
RU config: Full

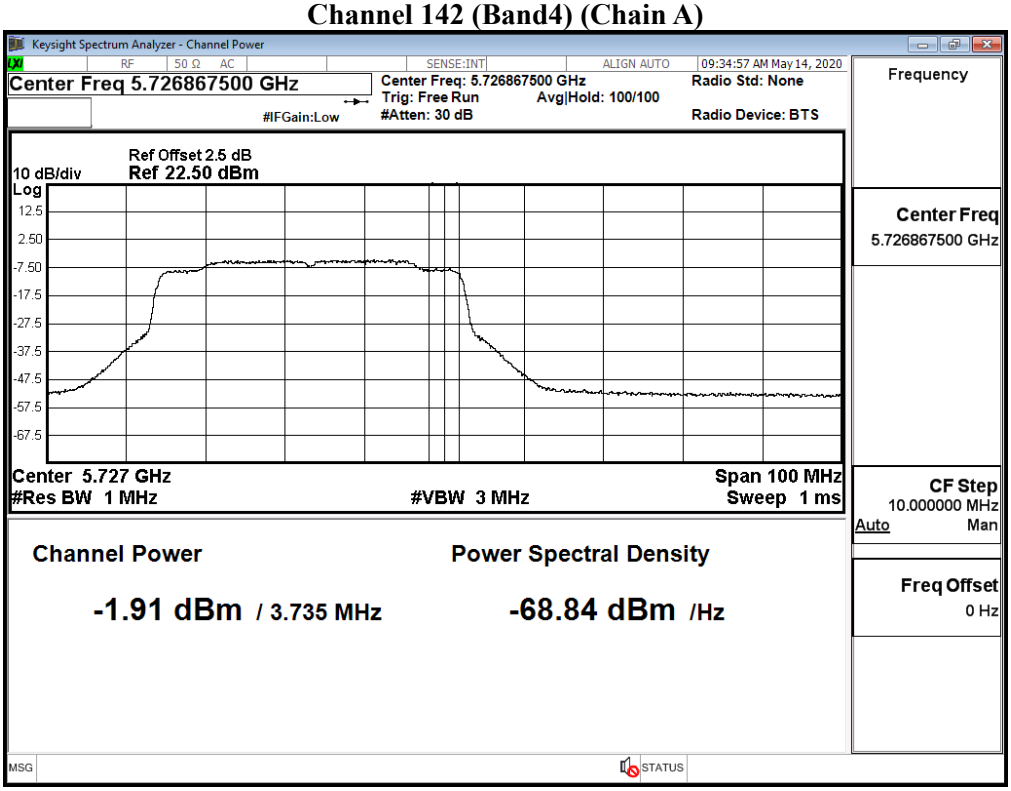
Maximum conducted output power:

Channel 142 (Band3) (Chain A)



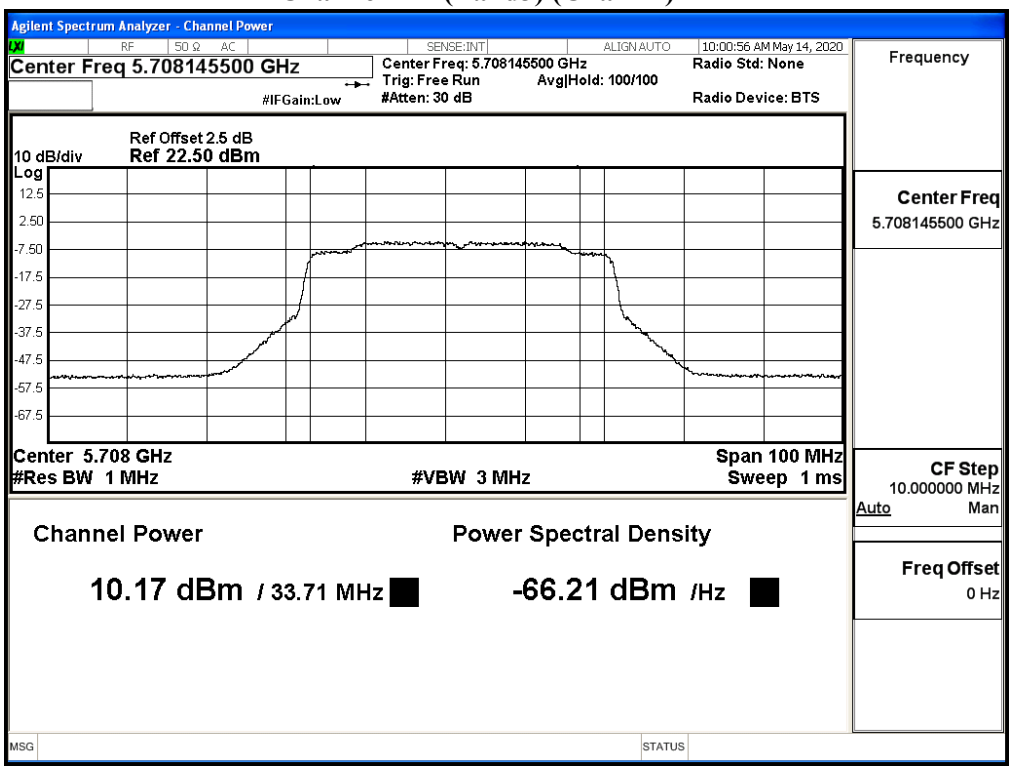
Maximum conducted output power:

Channel 142 (Band4) (Chain A)



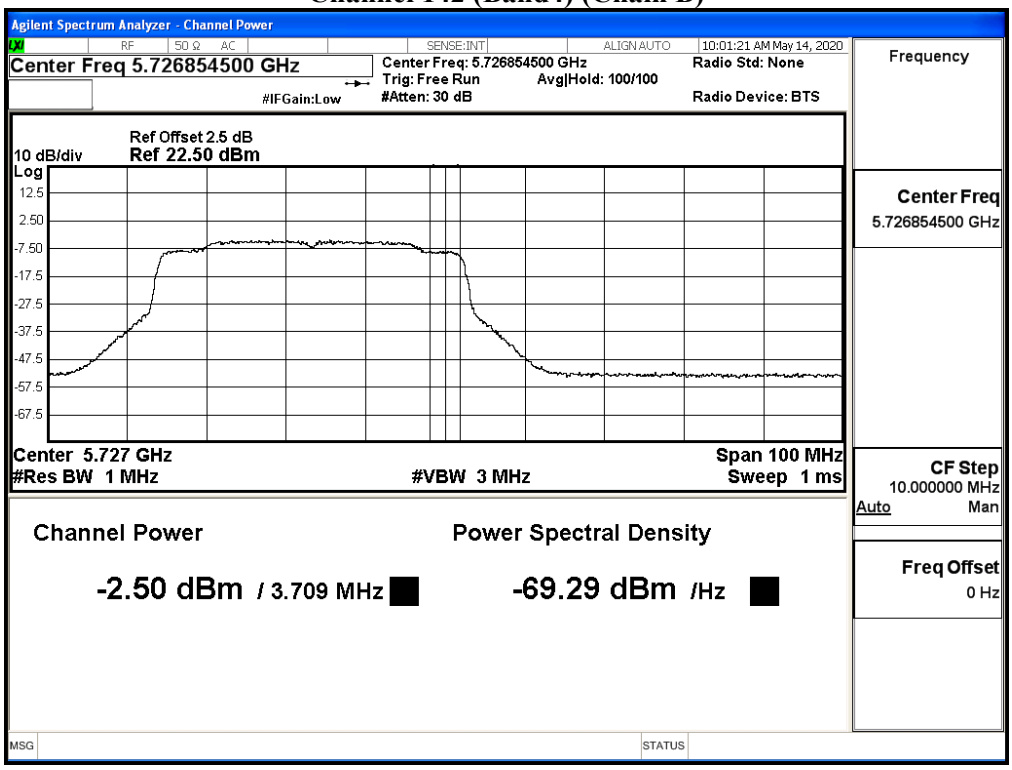
Maximum conducted output power:

Channel 142 (Band3) (Chain B)



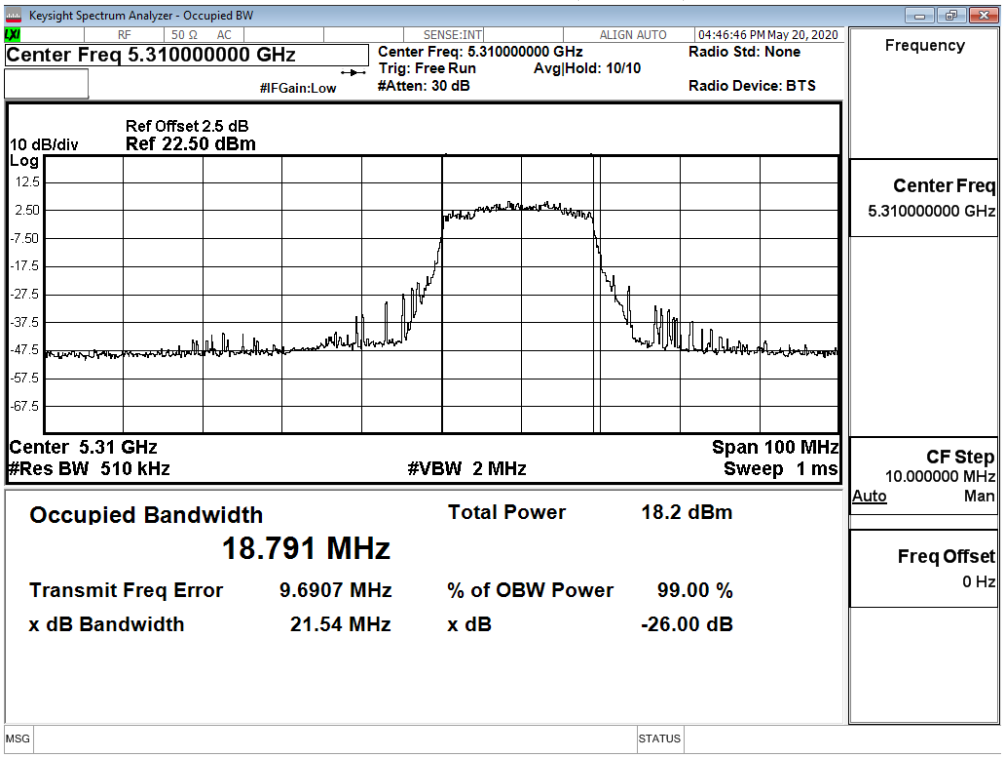
Maximum conducted output power:

Channel 142 (Band4) (Chain B)

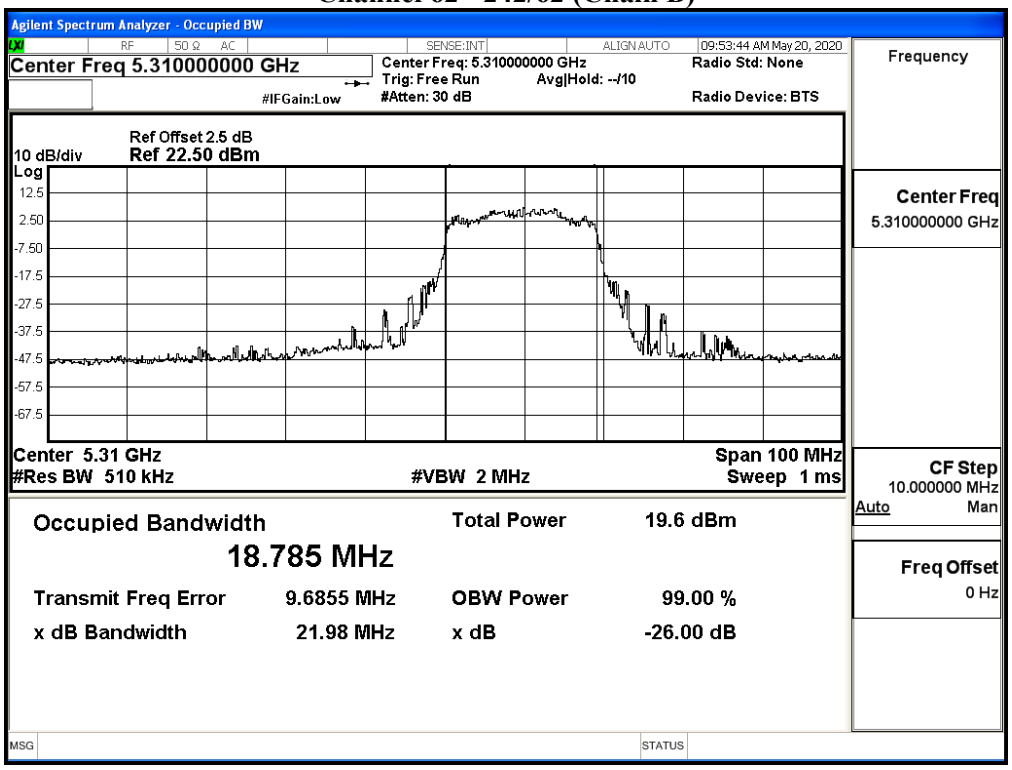


RU config: Other

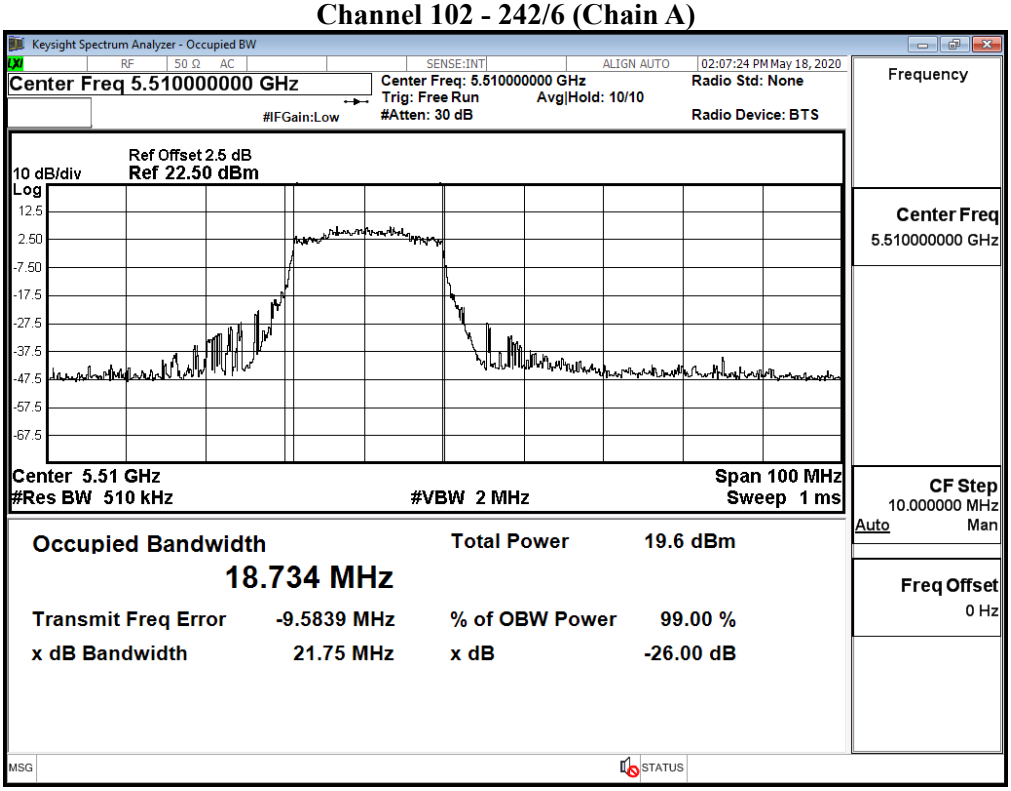
26dB Occupied Bandwidth:
Channel 62 - 242/62 (Chain A)



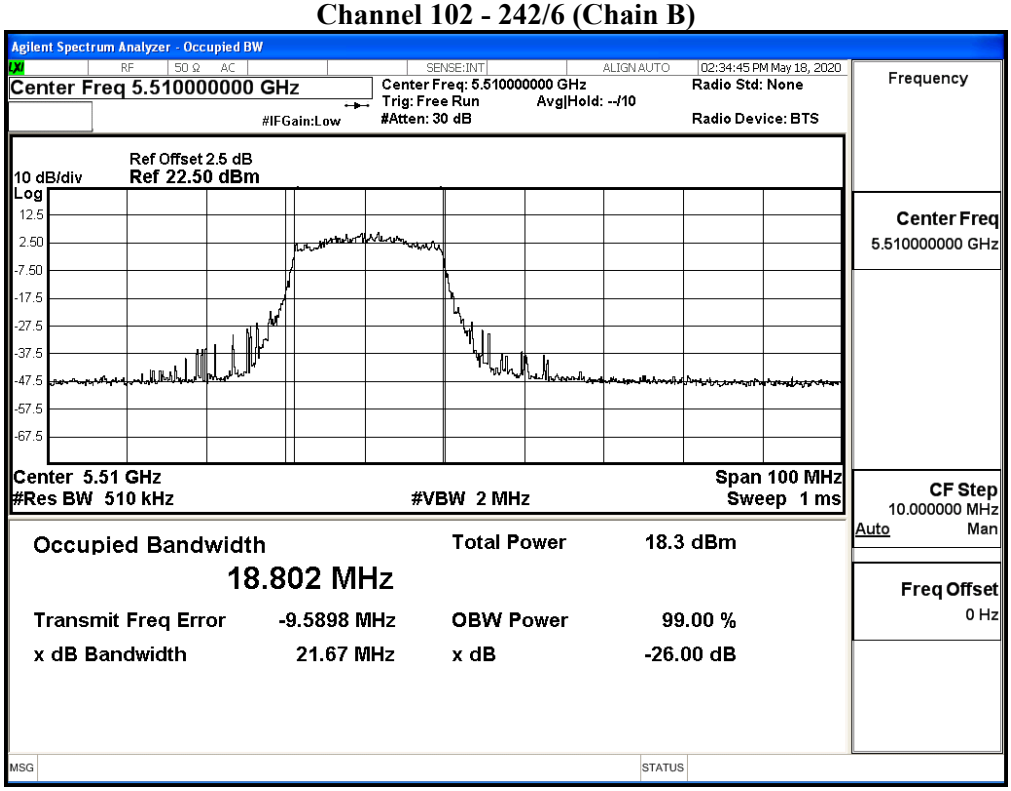
Channel 62 - 242/62 (Chain B)



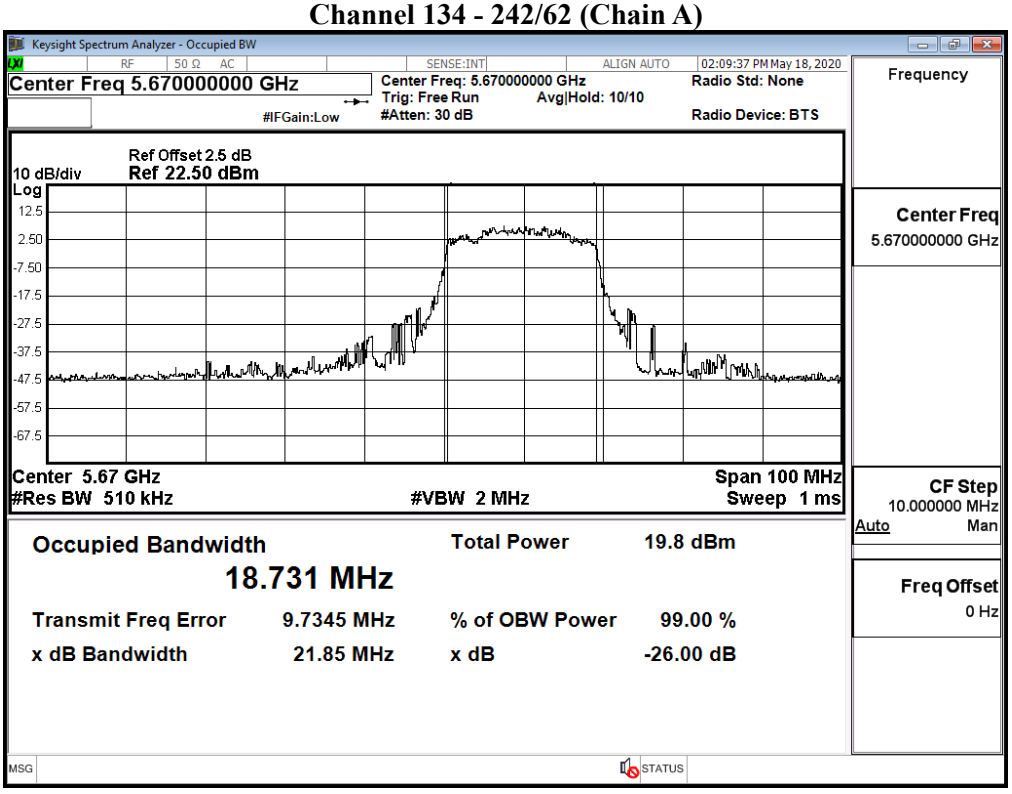
Channel 102 - 242/6 (Chain A)



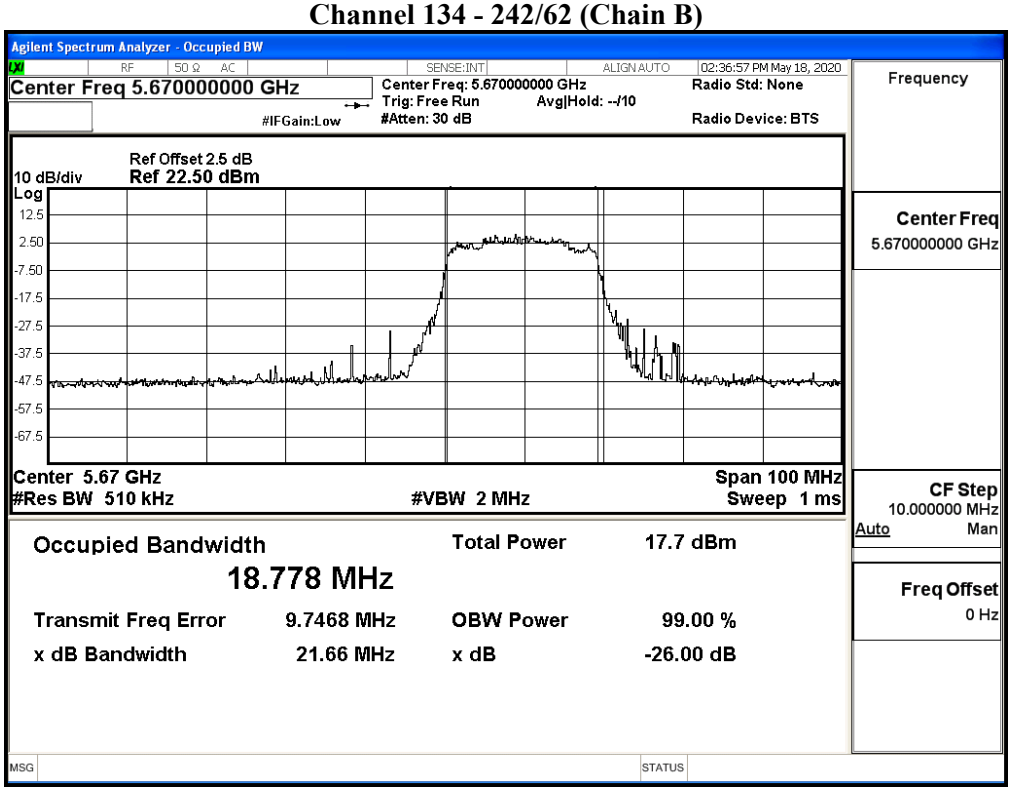
Channel 102 - 242/6 (Chain B)



Channel 134 - 242/62 (Chain A)



Channel 134 - 242/62 (Chain B)



Product : Portable computer
Test Item : Maximum conducted output power
Test Date : 2020/05/18
Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps)

Chain A
RU config: Full

Cable loss=2.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	10.5	10.42	10.38	10.33	10.26	10.16	10.11	10.07	10	9.92	9.88	9.83
58	5290	10.45	10.38	10.34	10.25	10.16	10.08	10.02	9.99	9.91	9.88	9.83	9.78
106ac80	5530	10.47	--	--	--	--	--	--	--	--	--	--	--
122ac80	5610	10.49	10.39	10.34	10.25	10.16	10.11	10.02	9.92	9.89	9.82	9.79	9.73
138ac80(Band3)	5690	10.4	10.37	10.31	10.23	10.2	10.12	10.02	9.95	9.89	9.82	9.79	9.7
138ac80(Band4)	5690	-6.45	-6.55	-6.61	-6.68	-6.78	-6.81	-6.86	-6.96	-7.02	-7.1	-7.16	-7.19
155ac80	5775	10.44	10.39	10.29	10.24	10.17	10.12	10.08	10.03	9.96	9.89	9.8	9.74

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

Chain B
RU config: Full

Cable loss=2.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
42	5210	10.4	10.39	10.3	10.23	10.13	10.04	9.98	9.93	9.83	9.77	9.67	9.59
58	5290	10.46	10.34	10.26	10.21	10.18	10.13	10.04	9.95	9.92	9.86	9.80	9.71
106ac80	5530	10.46	--	--	--	--	--	--	--	--	--	--	--
122ac80	5610	10.46	10.34	10.24	10.17	10.13	10.03	9.96	9.93	9.90	9.86	9.83	9.78
138ac80(Band3)	5690	10.41	10.35	10.26	10.2	10.12	10.02	9.97	9.87	9.83	9.75	9.7	9.67
138ac80(Band4)	5690	-7.05	-7.14	-7.23	-7.32	-7.38	-7.42	-7.47	-7.5	-7.56	-7.66	-7.74	-7.77
155ac80	5775	10.4	10.39	10.37	10.27	10.18	10.14	10.07	10.03	9.94	9.85	9.79	9.75

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
42	5210	--	10.5	10.4	13.46	24	--	Pass
58	5290	82.650	10.45	10.46	13.47	24	30.17	Pass
106ac80	5530	81.810	10.47	10.46	13.48	24	30.13	Pass
122ac80	5610	82.750	10.49	10.46	13.49	24	30.18	Pass
138ac80(Band3)	5690	75.800	10.4	10.41	13.42	24	29.80	Pass
138ac80(Band4)	5690	--	-6.45	-7.05	-3.729	30	--	Pass
155ac80	5775	--	10.44	10.4	13.43	30	--	Pass

Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain Bwhichever is less bandwidth, output power limitation is more stringent.

Chain A
RU config: Other

Channel No / Frequency Range (MHz)	RU setting	Maximum Conducted Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	--	--	--	--	--	--	--	--	--	--	--	
42/5210	484/65	10.44	--	--	--	--	--	--	--	--	--	--	--	<24dBm
58/5290	484/66	10.45	--	--	--	--	--	--	--	--	--	--	--	<24dBm
106/5530	484/65	10.44	--	--	--	--	--	--	--	--	--	--	--	<24dBm
155/5775	484/65	10.49	--	--	--	--	--	--	--	--	--	--	--	<30dBm

Chain B
RU config: Other

Channel No / Frequency Range (MHz)	RU setting	Maximum Conducted Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	--	--	--	--	--	--	--	--	--	--	--	
42/5210	484/65	10.46	--	--	--	--	--	--	--	--	--	--	--	<24dBm
58/5290	484/66	10.38	--	--	--	--	--	--	--	--	--	--	--	<24dBm
106/5530	484/65	10.44	--	--	--	--	--	--	--	--	--	--	--	<24dBm
155/5775	484/65	10.47	--	--	--	--	--	--	--	--	--	--	--	<30dBm

Maximum conducted output power Measurement:

Channel No / Frequency Range	RU setting	26dB Bandwidth	Chain A Power	Chain B Power	Output Power Limit	Output power limit		Result
		(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log (BW)	
42/5210	484/65	--	10.44	10.46	13.46	24	--	Pass
58/5290	484/66	42.150	10.45	10.38	13.43	24	27.25	Pass
106/5530	484/65	44.330	10.44	10.44	13.45	24	27.47	Pass
155/5775	484/65	--	10.49	10.47	13.49	30	--	Pass

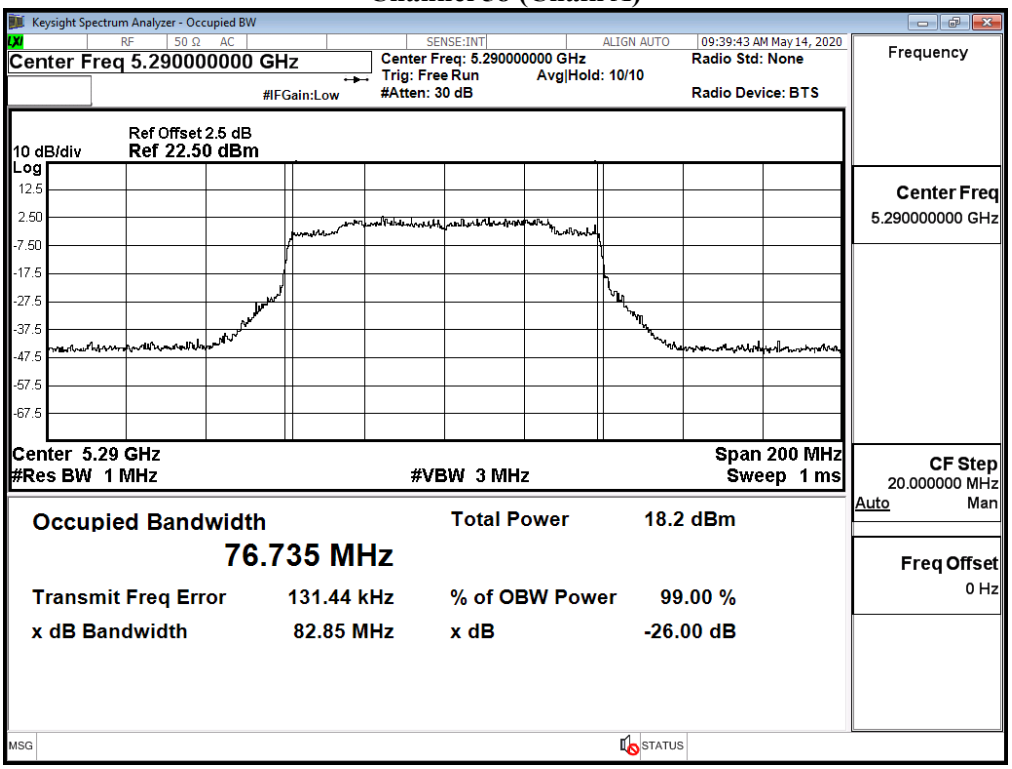
Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain Bwhichever is less bandwidth, output power limitation is more stringent.

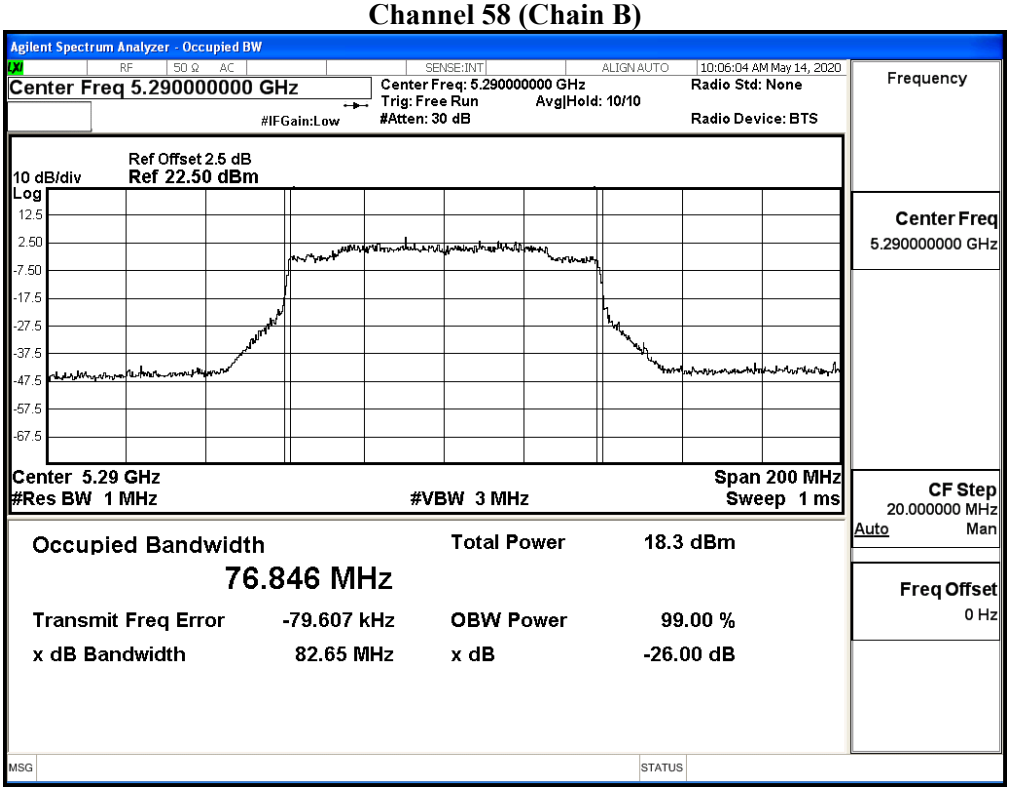
RU config: Full

26dB Occupied Bandwidth:

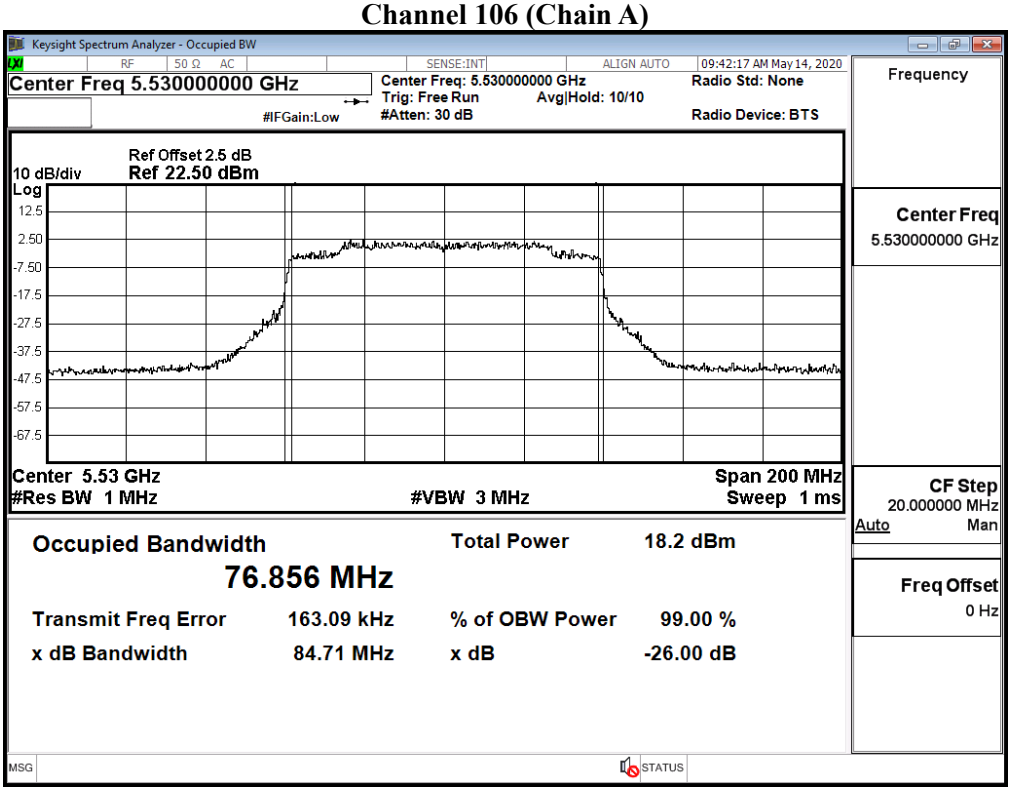
Channel 58 (Chain A)



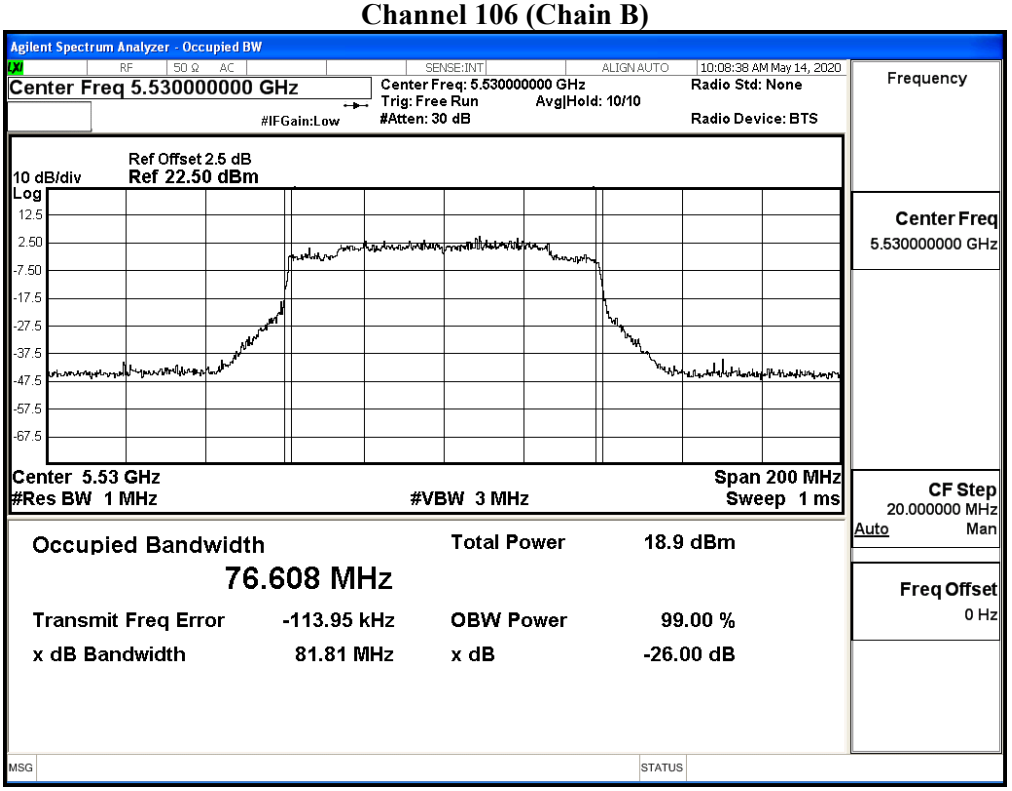
Channel 58 (Chain B)



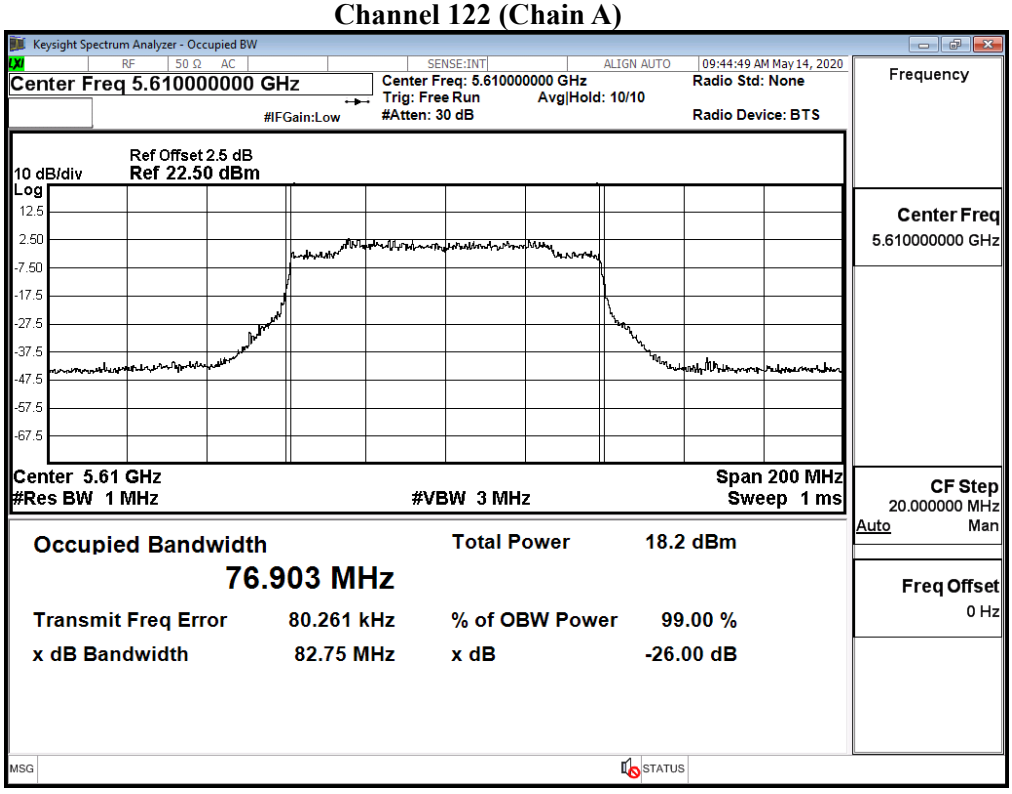
Channel 106 (Chain A)



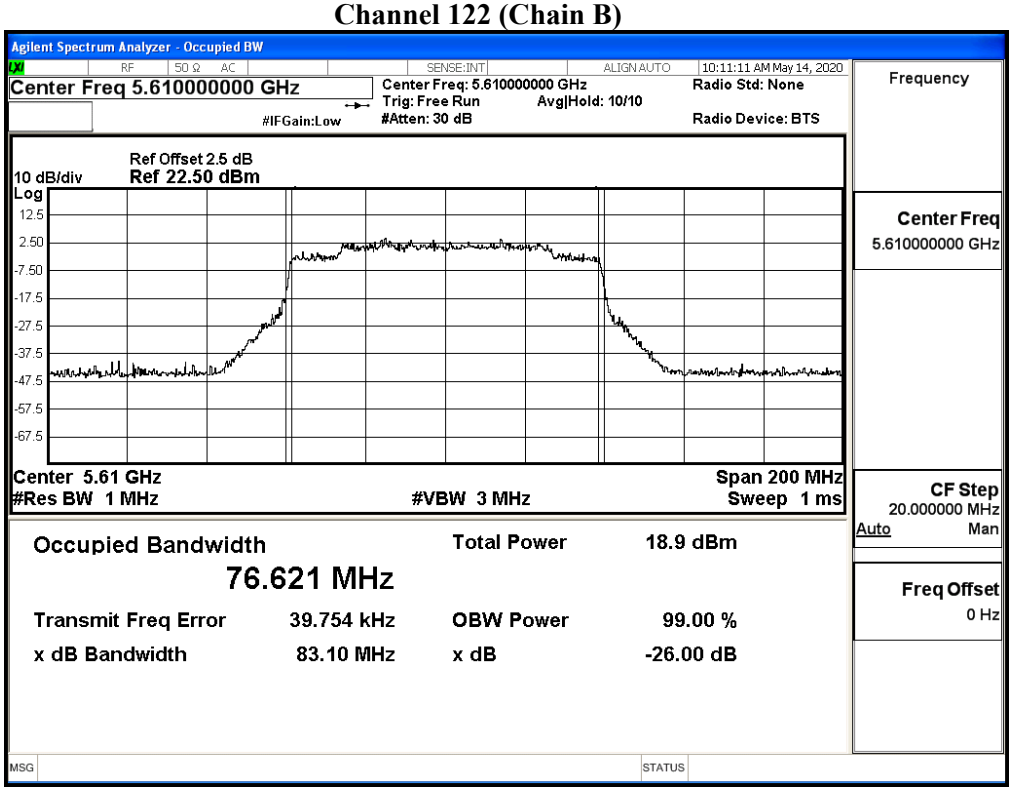
Channel 106 (Chain B)



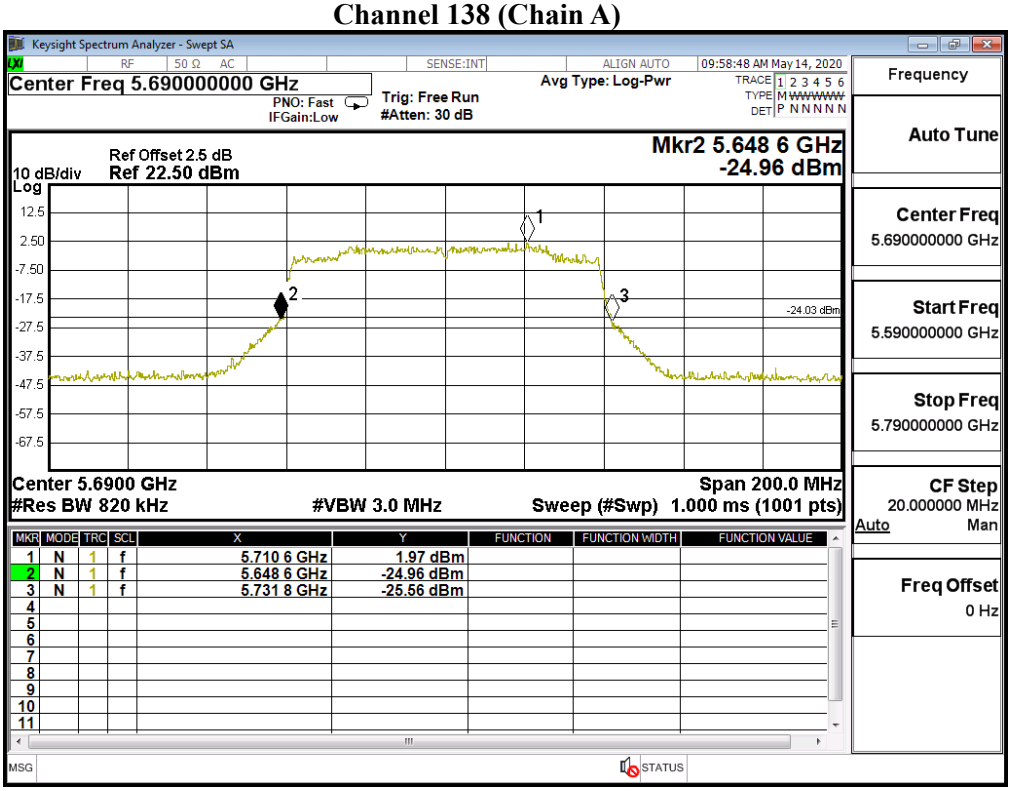
Channel 122 (Chain A)



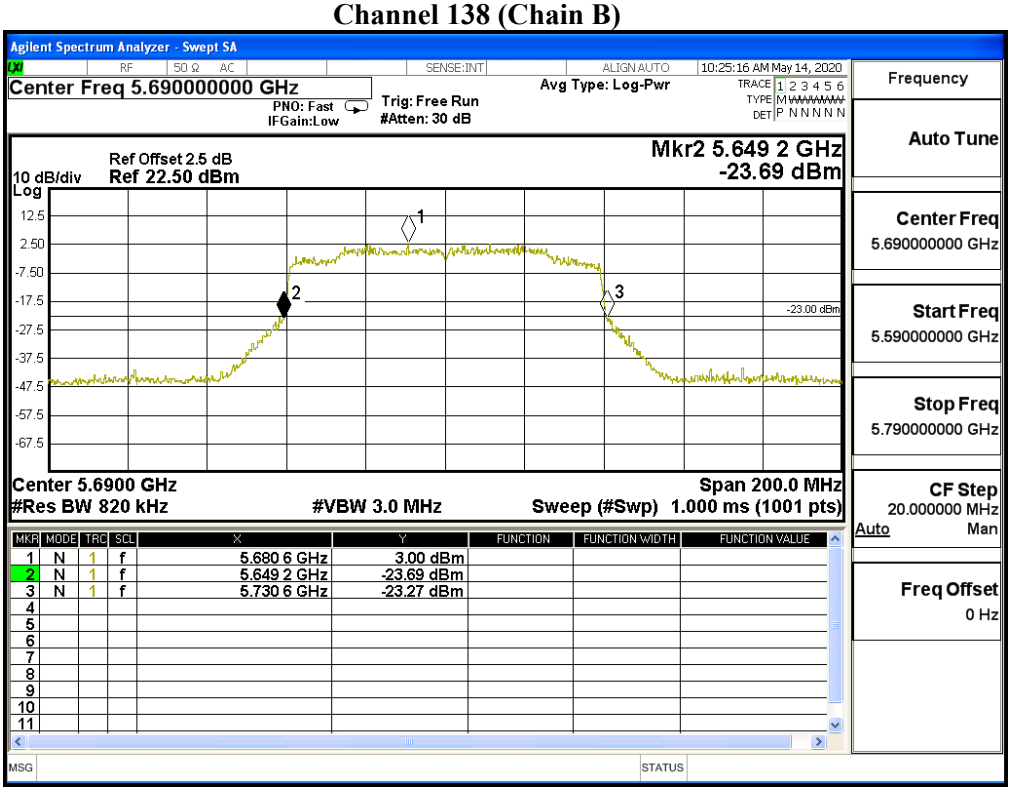
Channel 122 (Chain B)



Channel 138 (Chain A)



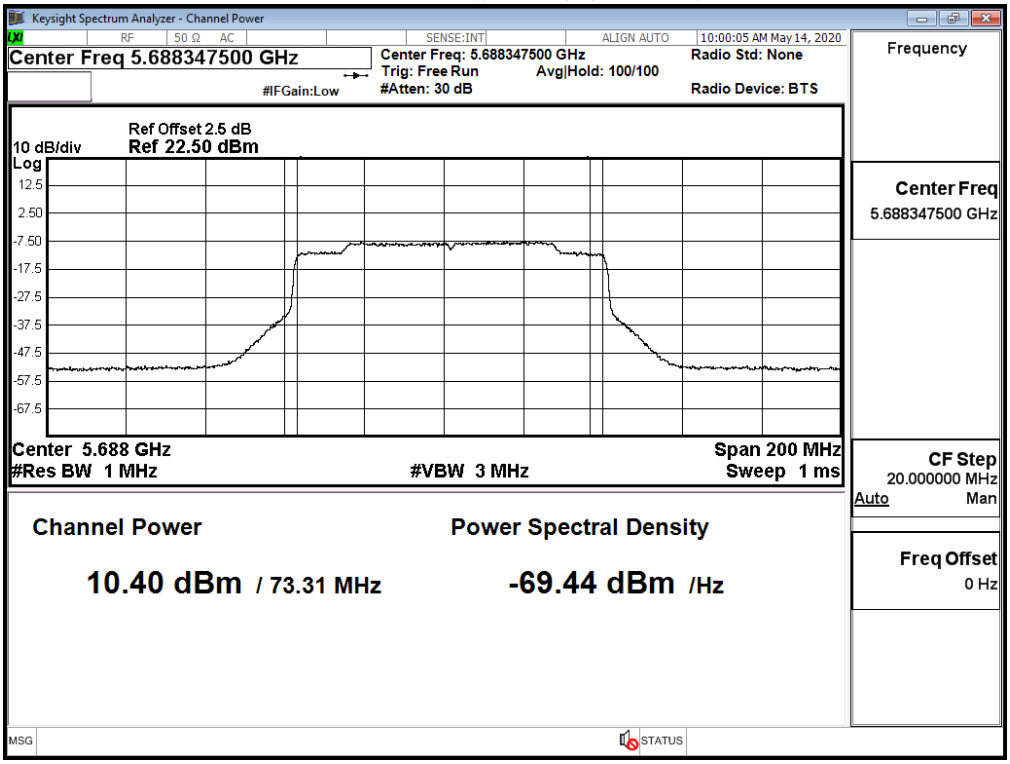
Channel 138 (Chain B)



RU config: Full

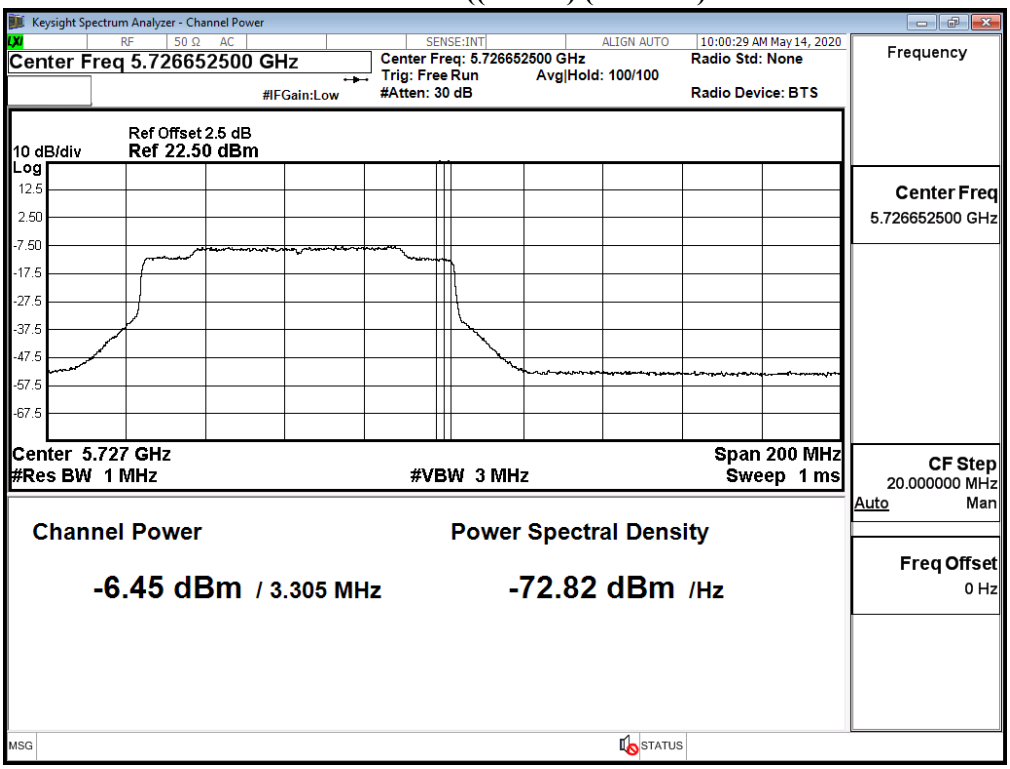
Maximum conducted output power:

Channel 138 ((Band3) (Chain A)



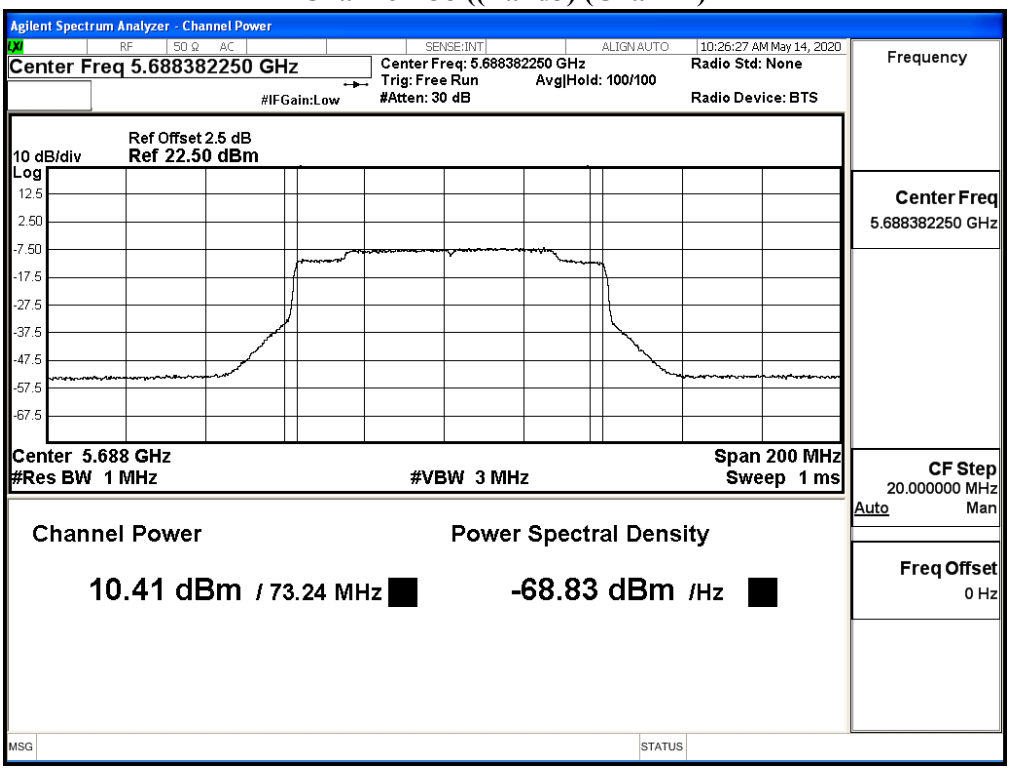
Maximum conducted output power:

Channel 138 ((Band4) (Chain A)



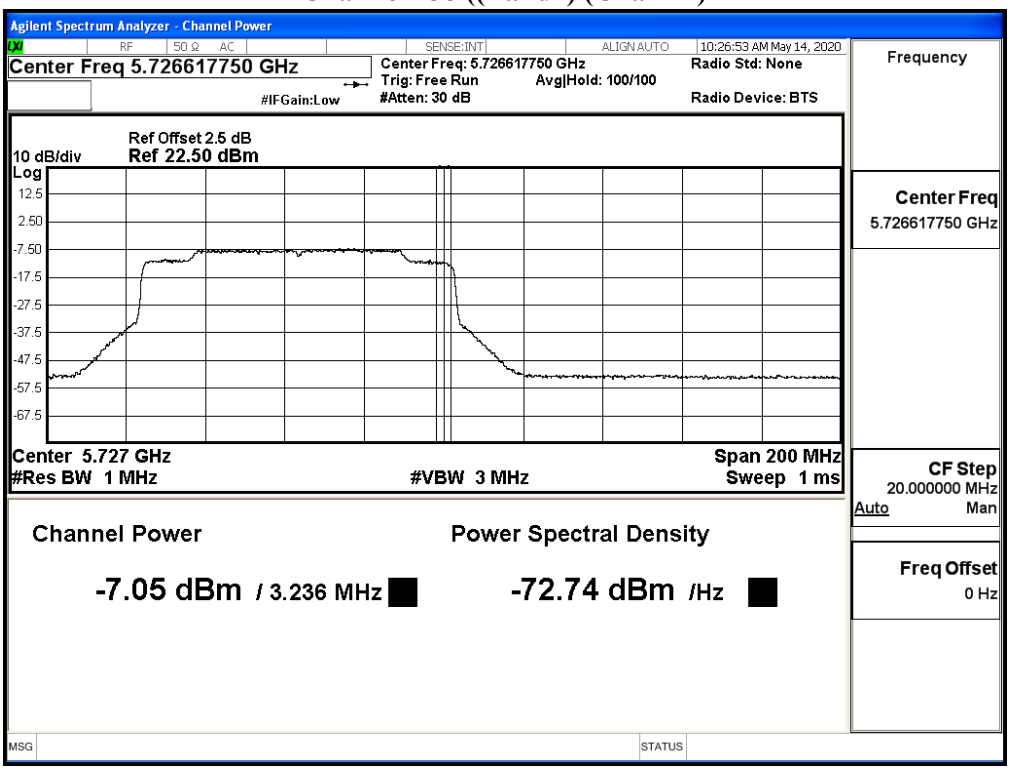
Maximum conducted output power:

Channel 138 ((Band3) (Chain B)



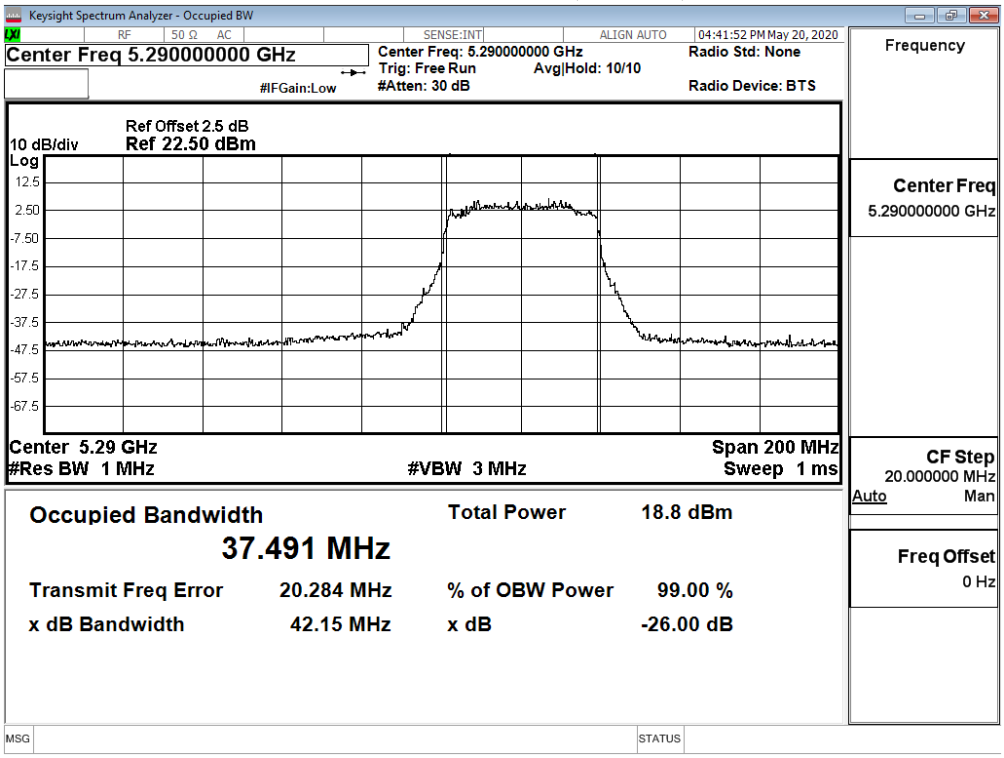
Maximum conducted output power:

Channel 138 ((Band4) (Chain B)

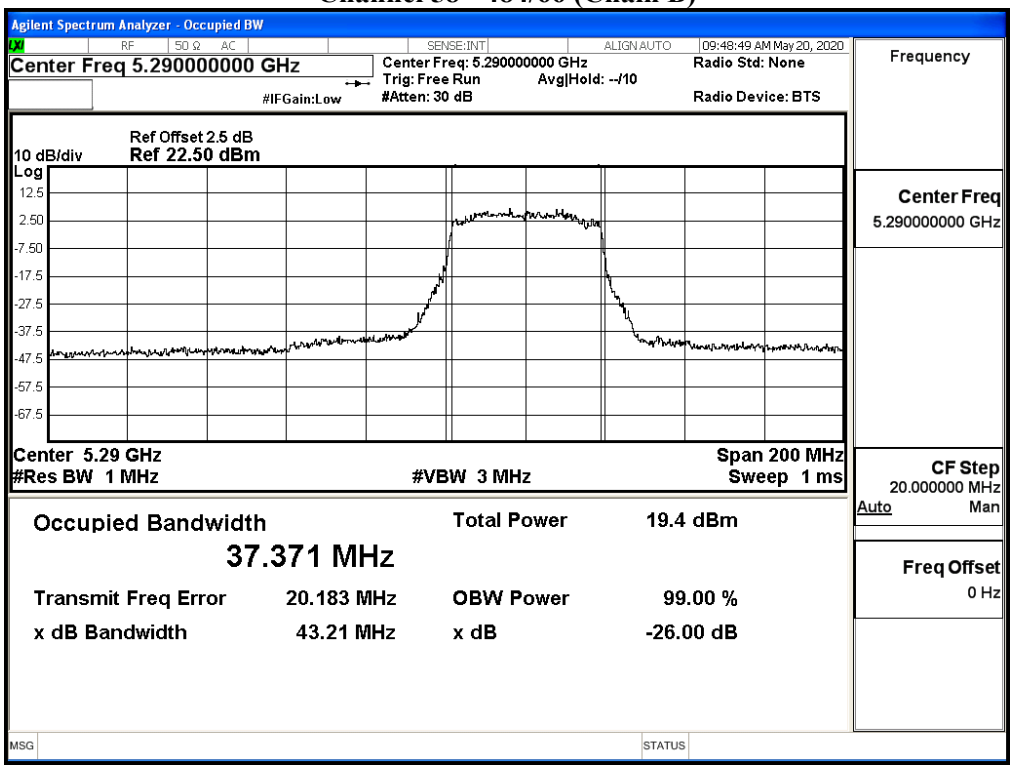


RU config: Other

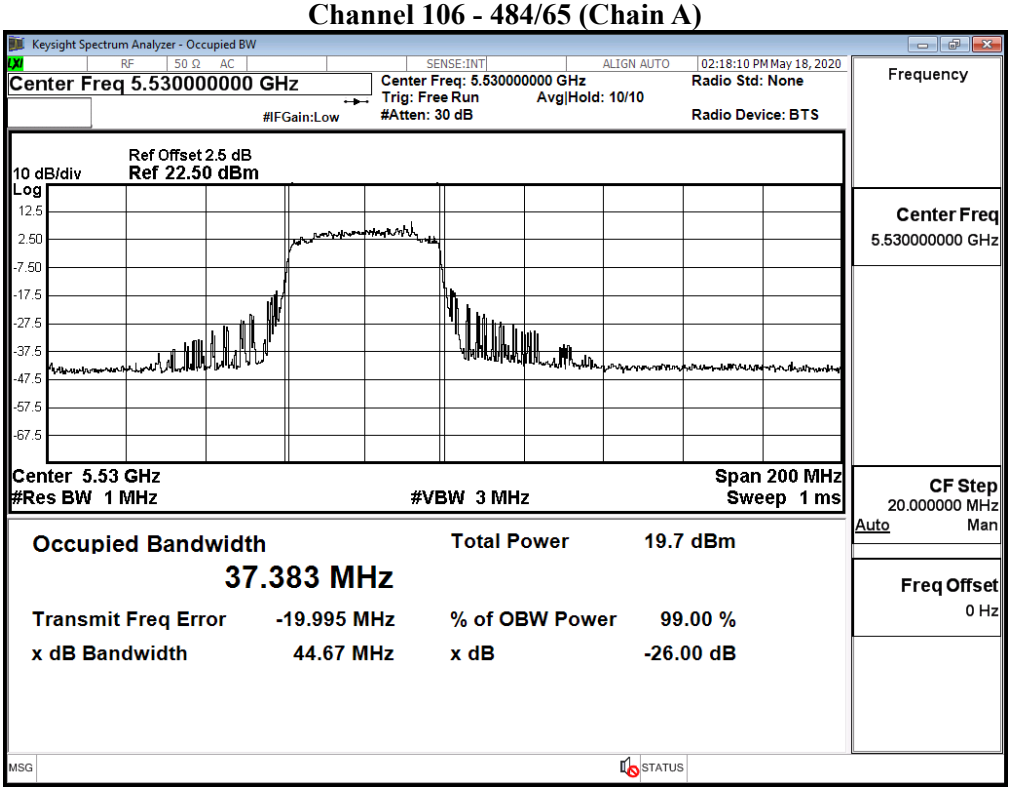
26dB Occupied Bandwidth:
Channel 58 - 484/66 (Chain A)



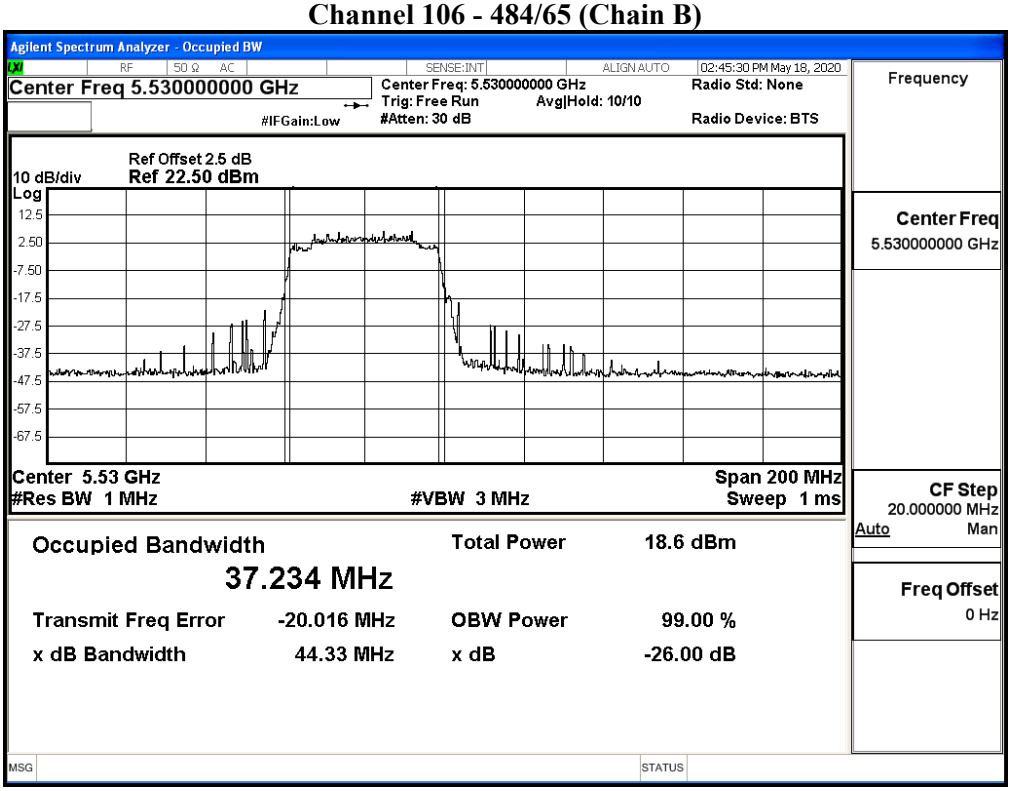
Channel 58 - 484/66 (Chain B)



Channel 106 - 484/65 (Chain A)



Channel 106 - 484/65 (Chain B)



Product : Portable computer
Test Item : Maximum conducted output power
Test Date : 2020/05/18
Test Mode : Mode 26: MIMO: Transmit (802.11ax-160BW_144.1Mbps)

Chain A
RU config: Full

Cable loss=2.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50ac160(Band1)	5250	7.6	7.53	7.44	7.38	7.29	7.21	7.16	7.07	6.97	6.93	6.84	6.78
50ac160(Band2)	5250	7.35	7.29	7.23	7.14	7.04	6.98	6.92	6.82	6.78	6.74	6.68	6.61
114ac160	5570	10.42	10.36	10.27	10.22	10.18	10.15	10.1	10.05	9.95	9.87	9.78	9.71

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

Chain B
RU config: Full

Cable loss=2.5dB		Maximum conducted output power											
Channel No	Frequency (MHz)	Data Rate (Mbps)											
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
50ac160(Band1)	5250	7.53	7.43	7.37	7.32	7.27	7.19	7.16	7.11	7.07	7.01	6.92	6.88
50ac160(Band2)	5250	7.3	7.26	7.23	7.20	7.16	7.07	6.98	6.88	6.79	6.69	6.66	6.59
114ac160	5570	10.41	10.4	10.35	10.26	10.16	10.12	10.07	10.02	9.96	9.87	9.8	9.71

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

Maximum conducted output power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
50ac160(Band1)	5250	--	7.6	7.53	10.58	24	--	Pass
80ac160(Band2)	5250	81.900	7.35	7.3	10.34	24	19.66	Pass
114ac160	5570	163.700	10.42	10.41	13.43	24	21.18	Pass

Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain Bwhichever is less bandwidth, output power limitation is more stringent.

Chain A
RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	--	--	--	--	--	--	--	--	--	--	--	
50/5250	996/67	10.24												<24dBm
	996/S67	10.41												<24dBm
114/5570	996/67	10.46												<24dBm
	996/S67	10.46												<24dBm

Chain B
RU config: Other

Channel No / Frequency (MHz)	RU setting	Average Power Output (dBm)												
		Data Rate (Mbps)												Required Limit
		MCS0	--	--	--	--	--	--	--	--	--	--	--	
50/5250	996/67	10.31												<24dBm
	996/S67	10.45												<24dBm
114/5570	996/67	10.42												<24dBm
	996/S67	10.45												<24dBm

Maximum conducted output power Measurement:

Channel No / Frequency Range	RU setting	26dB Bandwidth	Chain A Power	Chain B Power	Output Power Limit	Output power limit		Result
		(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log (BW)	
50/5250	996/67	--	10.24	10.31	13.29	24	--	Pass
	996/S67	--	10.41	10.45	13.44	24	--	Pass
114/5570	996/67	83.010	10.46	10.42	13.45	24	21.20	Pass
	996/S67	83.750	10.46	10.45	13.47	24	21.20	Pass

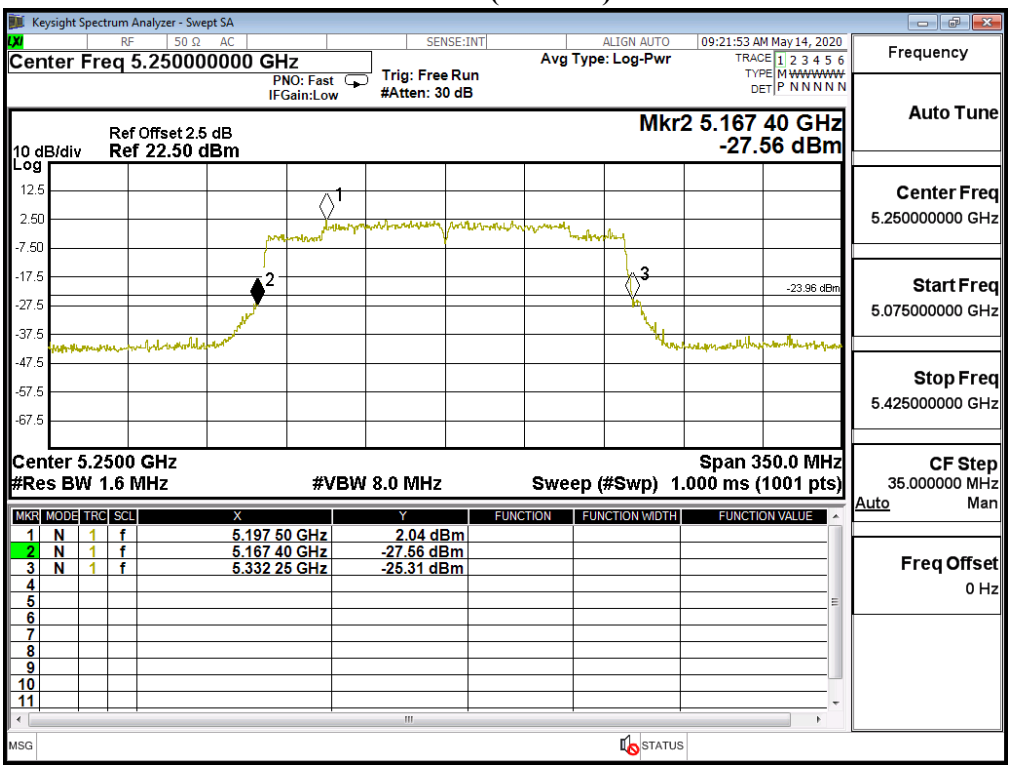
Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 26dB Bandwidth is the bandwidth of chain A or chain Bwhichever is less bandwidth, output power limitation is more stringent.

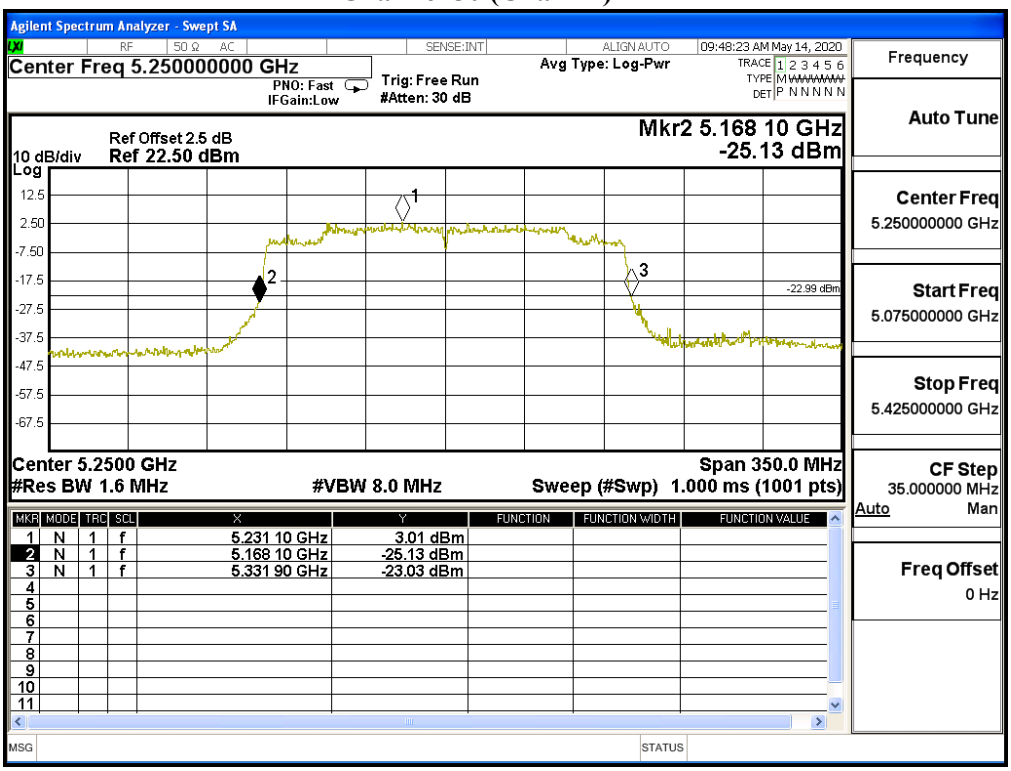
RU config: Full

26dB Occupied Bandwidth:

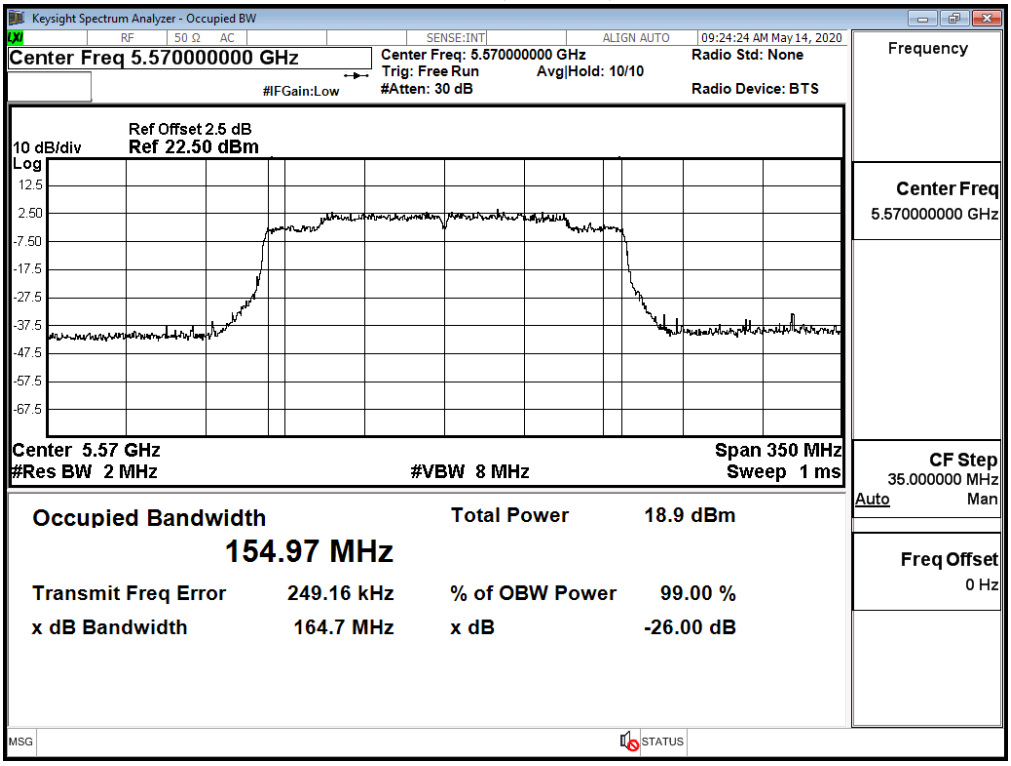
Channel 50 (Chain A)



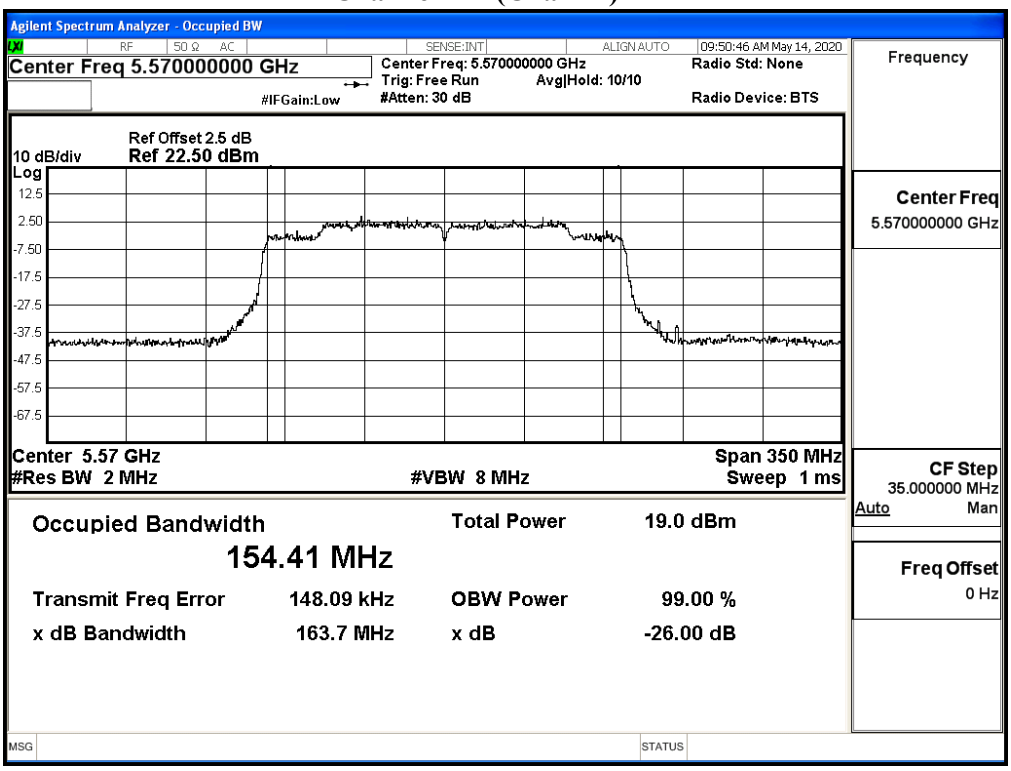
Channel 50 (Chain B)



Channel 114 (Chain A)



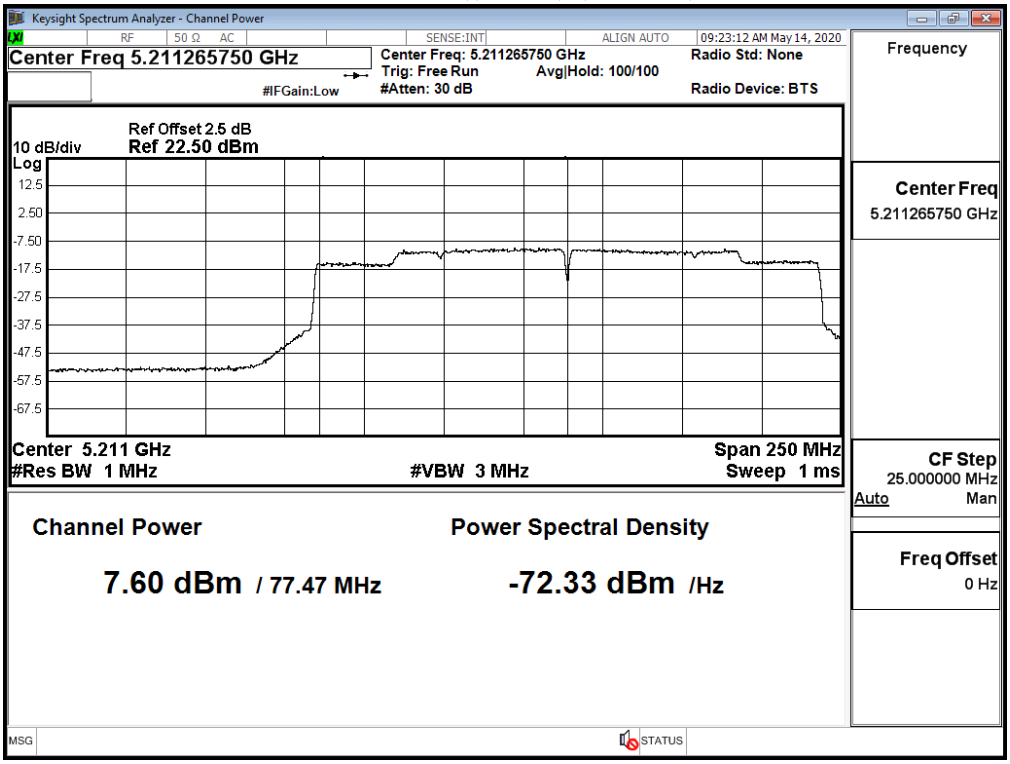
Channel 114 (Chain B)



RU config: Full

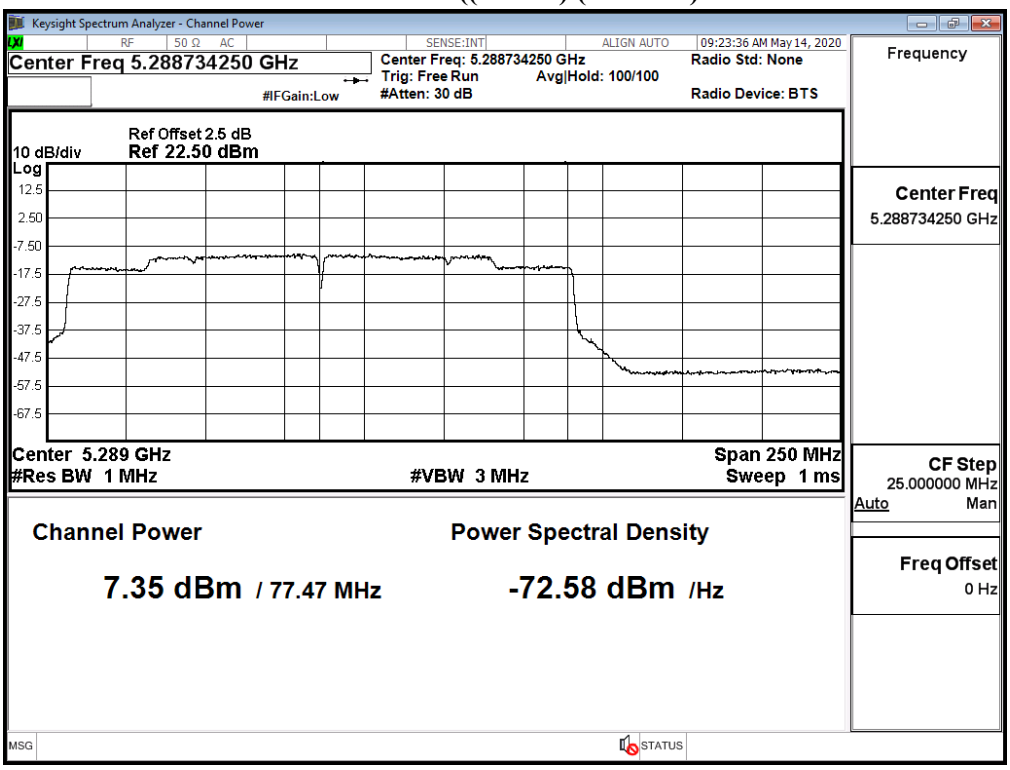
Maximum conducted output power:

Channel 50 ((Band1) (Chain A)



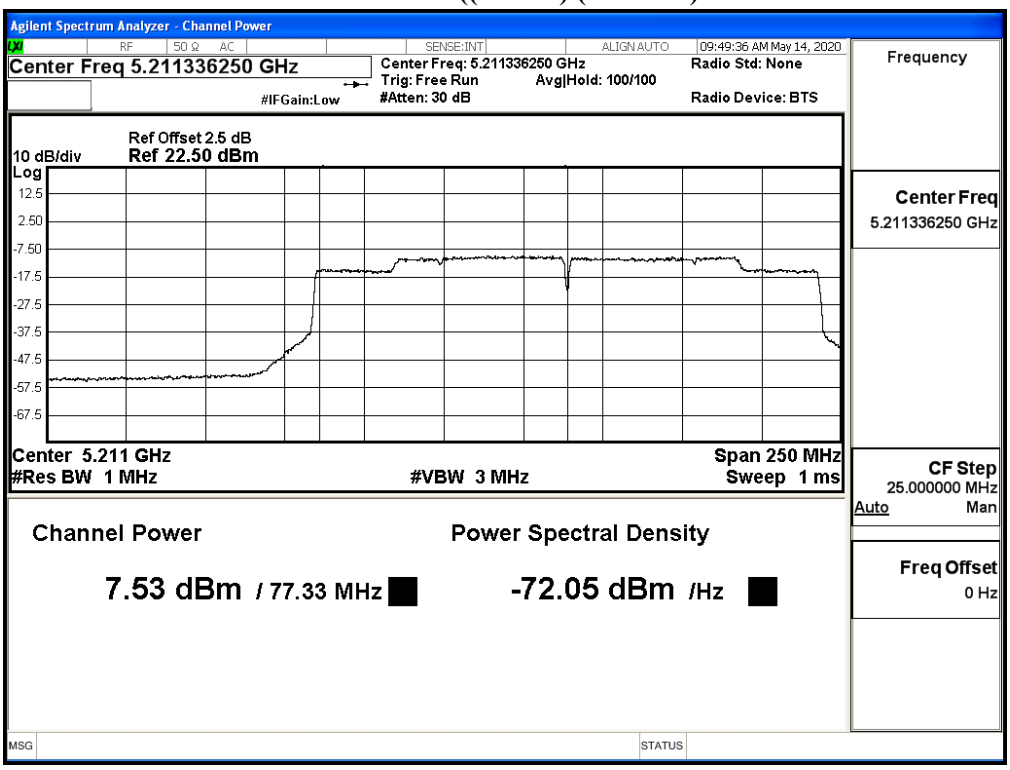
Maximum conducted output power:

Channel 50 ((Band2) (Chain A)



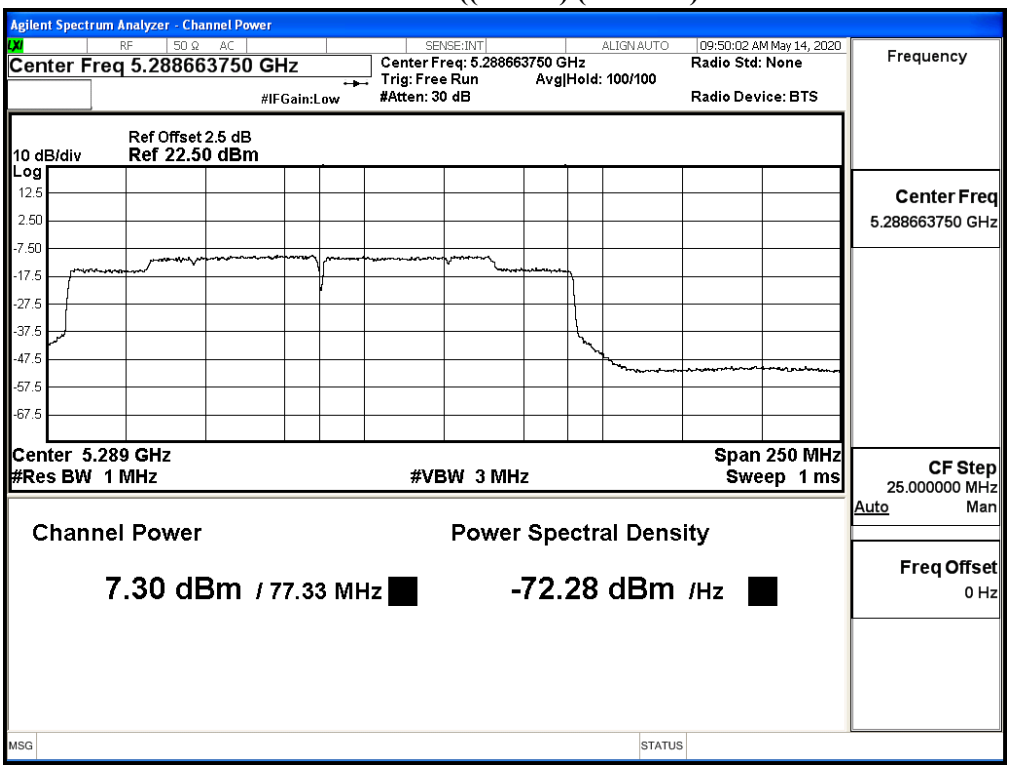
Maximum conducted output power:

Channel 50 ((Band1) (Chain B)



Maximum conducted output power:

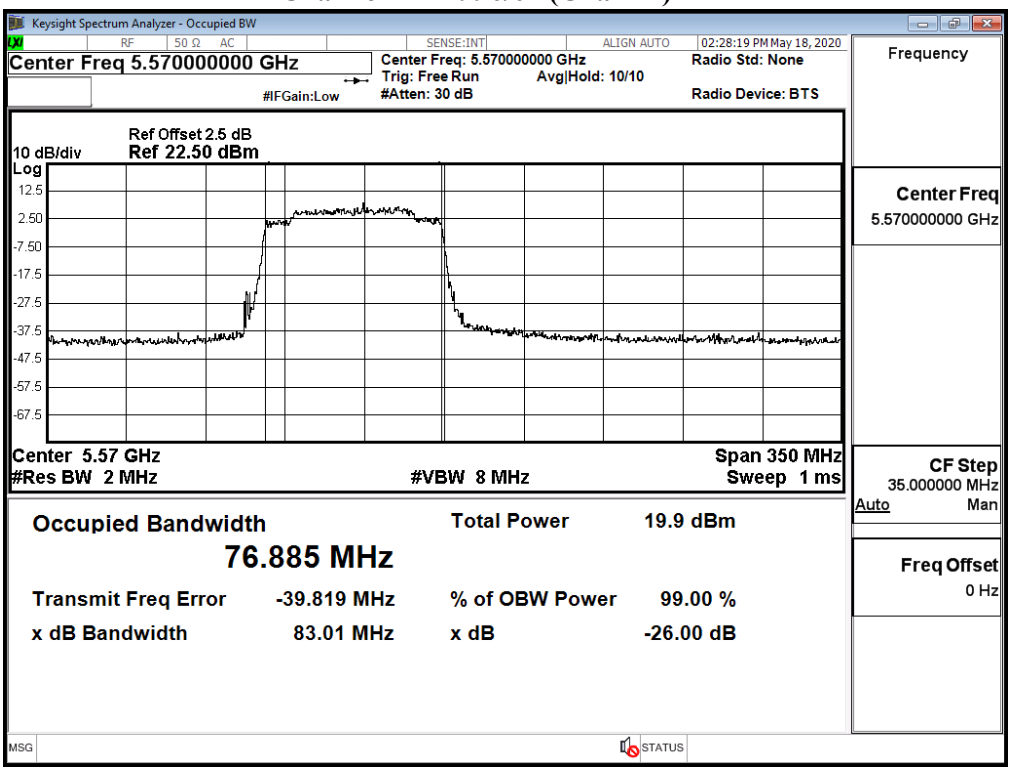
Channel 50 ((Band2) (Chain B)



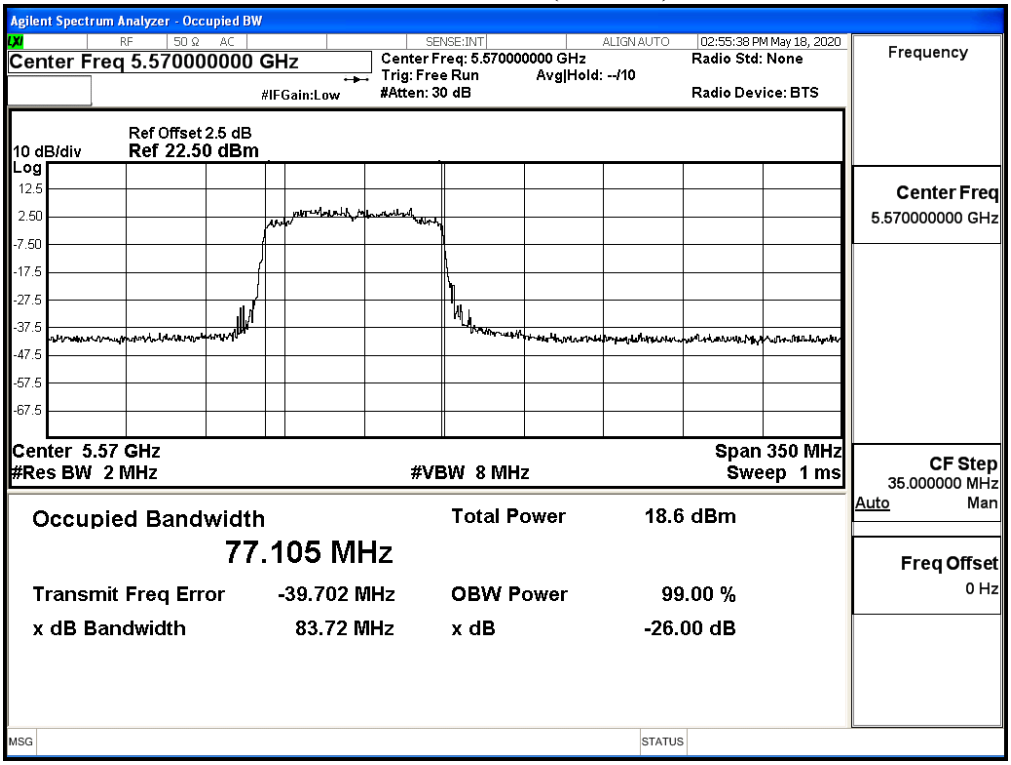
RU config: Other

26dB Occupied Bandwidth:

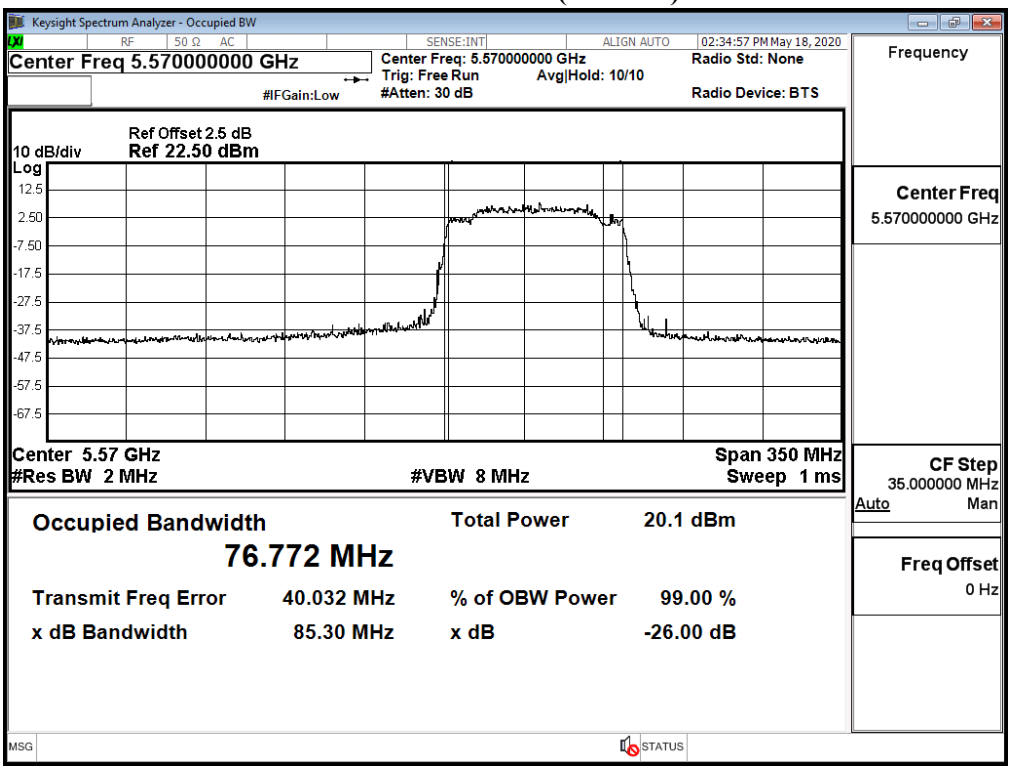
Channel 114 - 996/67 (Chain A)



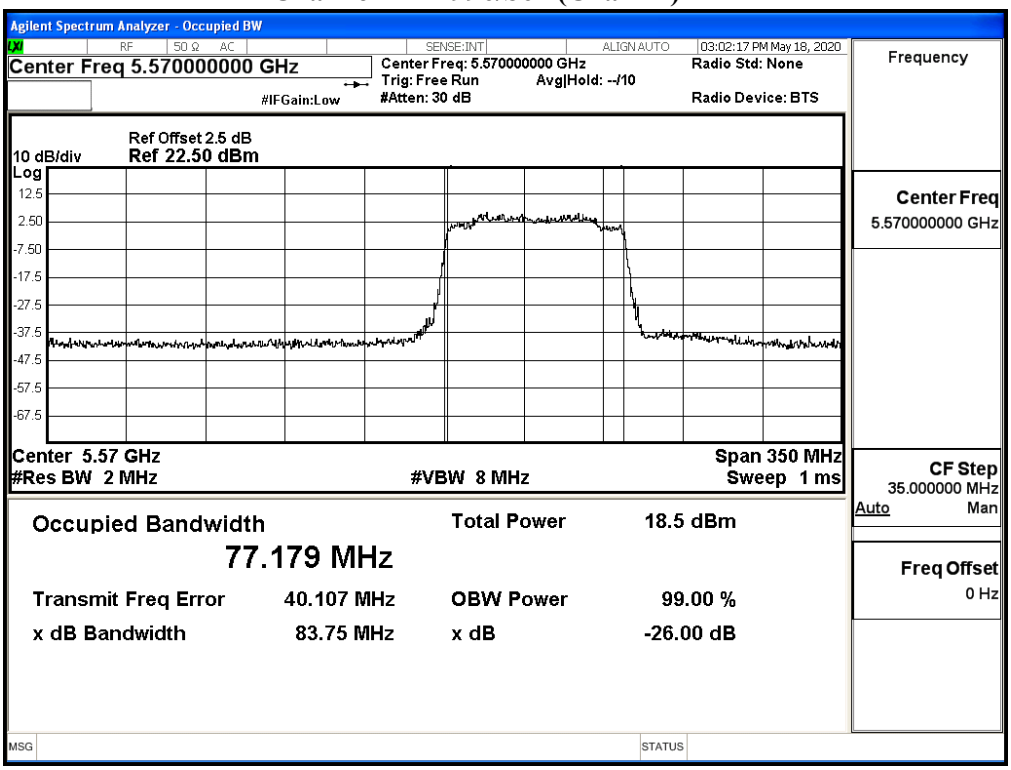
Channel 114 - 996/67 (Chain B)



Channel 114 - 996/S67 (Chain A)

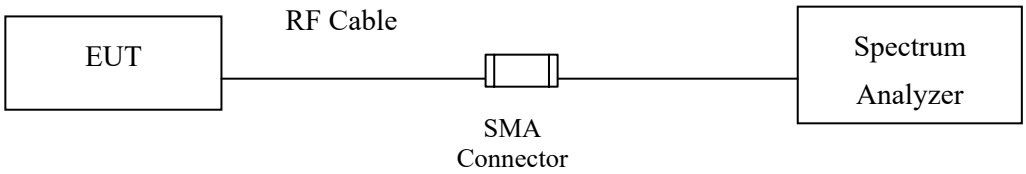


Channel 114 - 996/S67 (Chain B)



4. Peak Power Spectral Density

4.1. Test Setup



4.2. Limits

(1) For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-topoint U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.+

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any

500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

4.3. Test Procedure

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.
The Peak Power Spectral Density using KDB 789033 section F) procedure, Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer.
SA-1 method is selected to run the test.
For the band 5.725-5.85 GHz, Scale the observed power level to an equivalent value in 500 kHz by adjusting (increase) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log (500 kHz/100 kHz) = 6.98 dB.

4.4. Uncertainty

± 1.62 dB

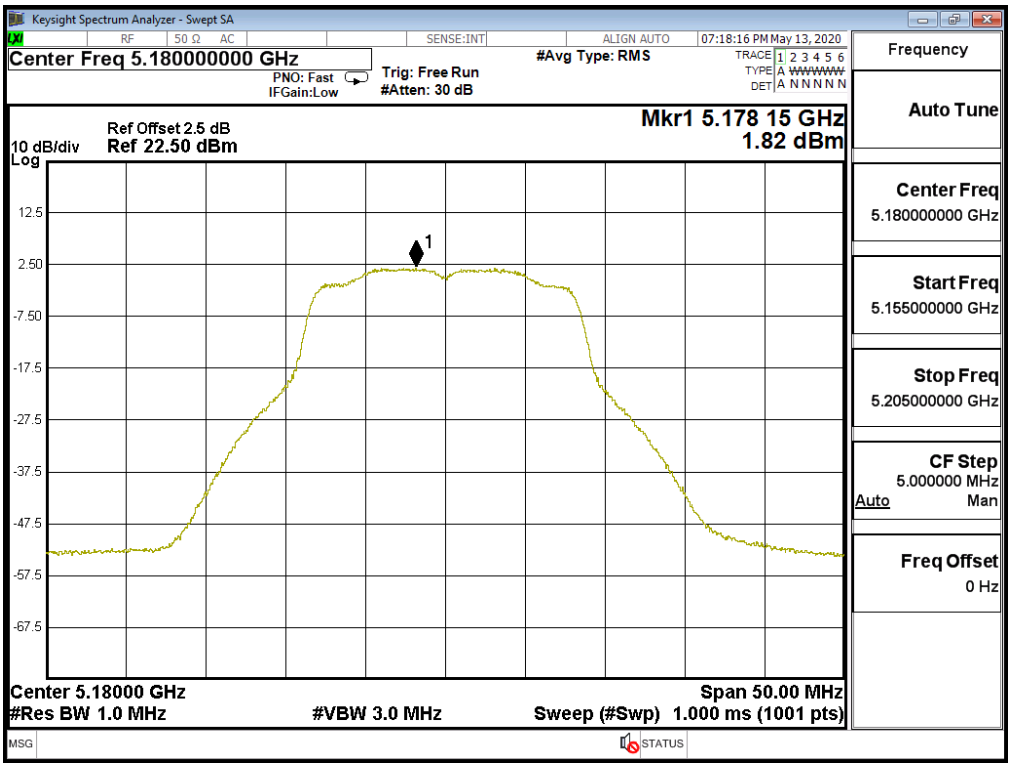
4.5. Test Result of Peak Power Spectral Density

Product : Portable computer
Test Item : Peak Power Spectral Density
Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps)

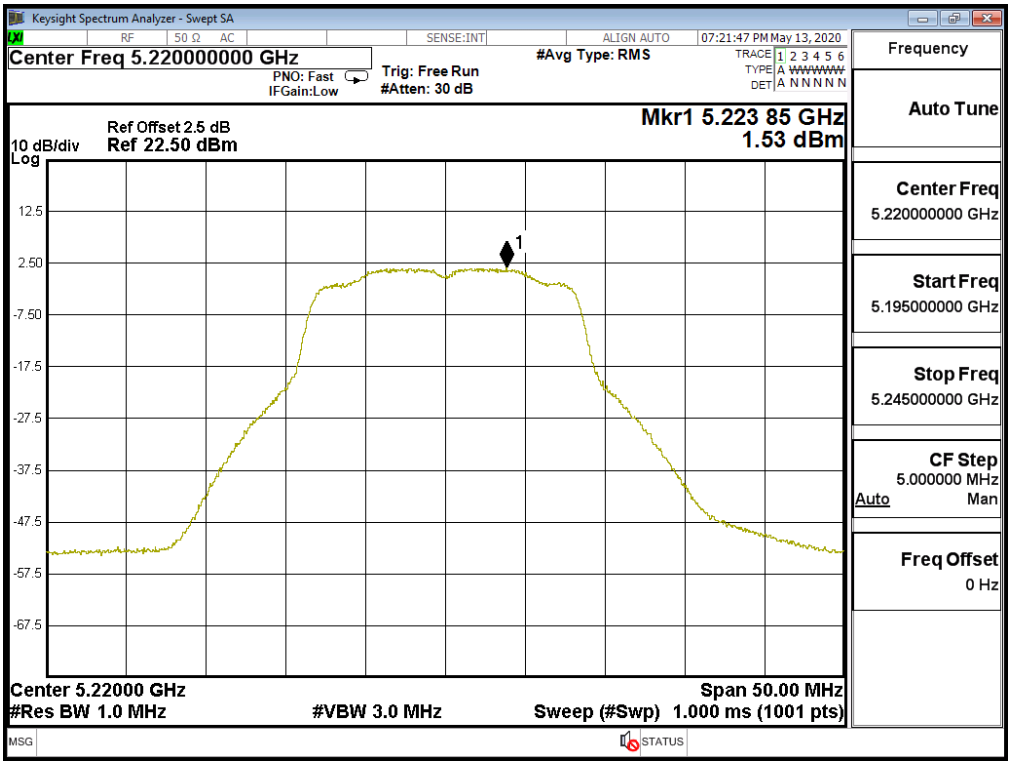
Channel Number	Frequency (MHz)	Chain	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	A	1.82	11	Pass
44	5220	A	1.53	11	Pass
48	5240	A	1.77	11	Pass
52	5260	A	1.63	11	Pass
60	5300	A	1.69	11	Pass
64	5320	A	1.65	11	Pass
100	5500	A	2.17	11	Pass
116	5580	A	2.53	11	Pass
140	5700	A	2.23	11	Pass

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
149	5745	A	-7.07	6.98	-0.09	<30	Pass
157	5785	A	-7.16	6.98	-0.18	<30	Pass
165	5825	A	-6.96	6.98	0.02	<30	Pass

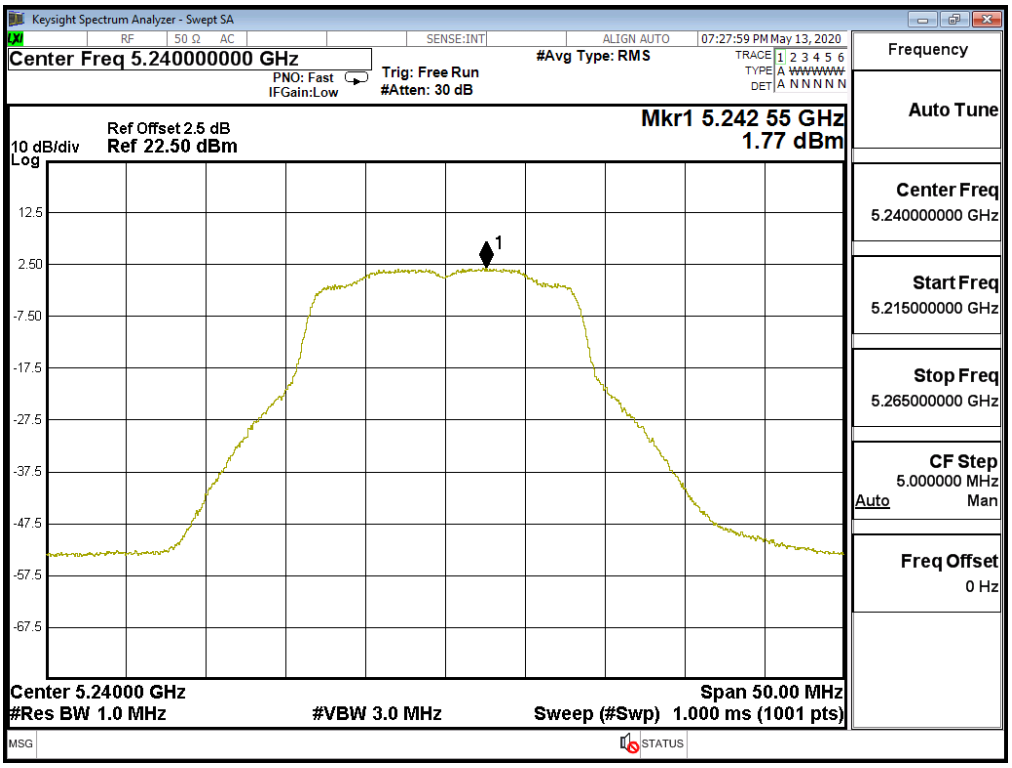
Channel 36:



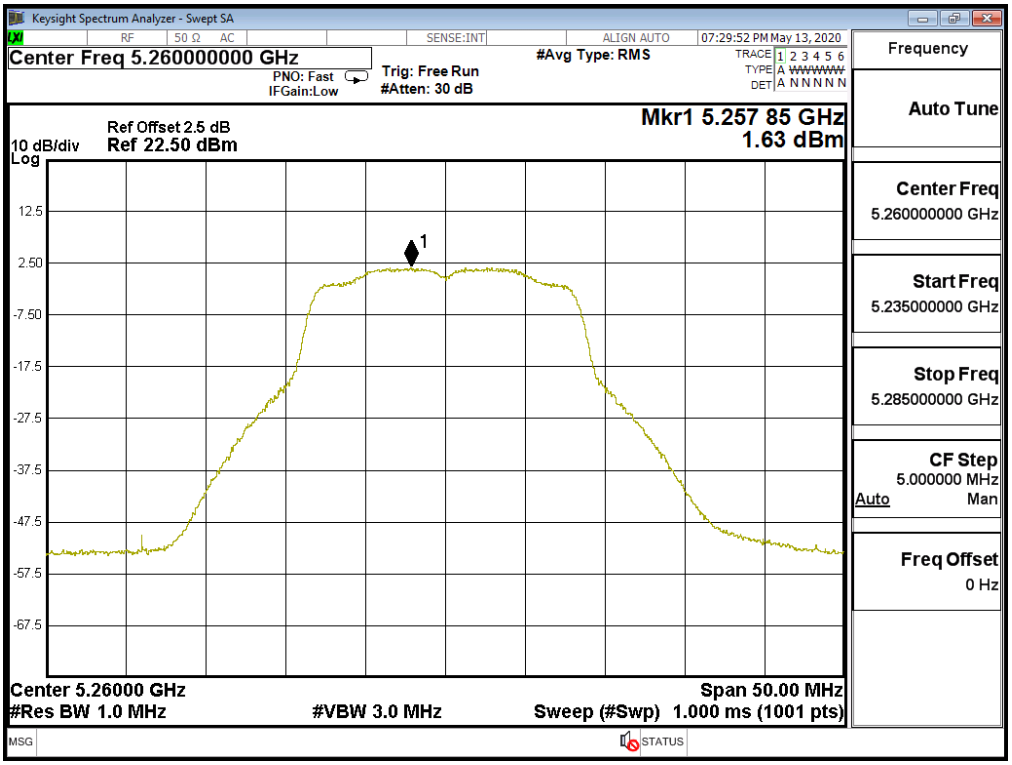
Channel 44:



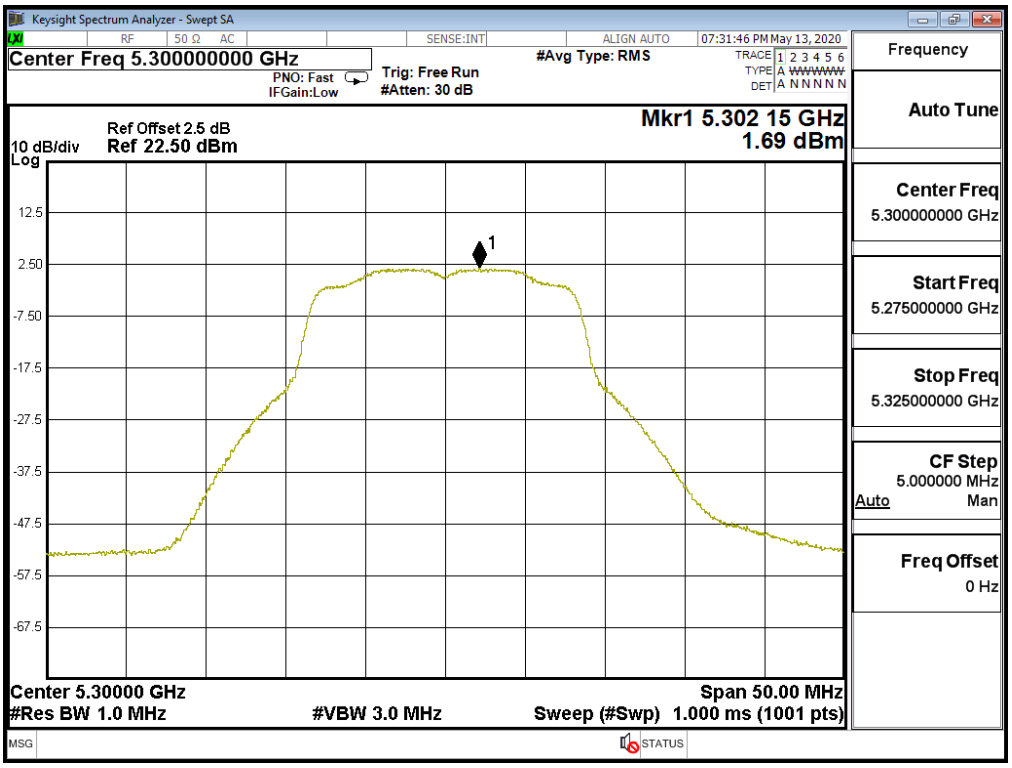
Channel 48:



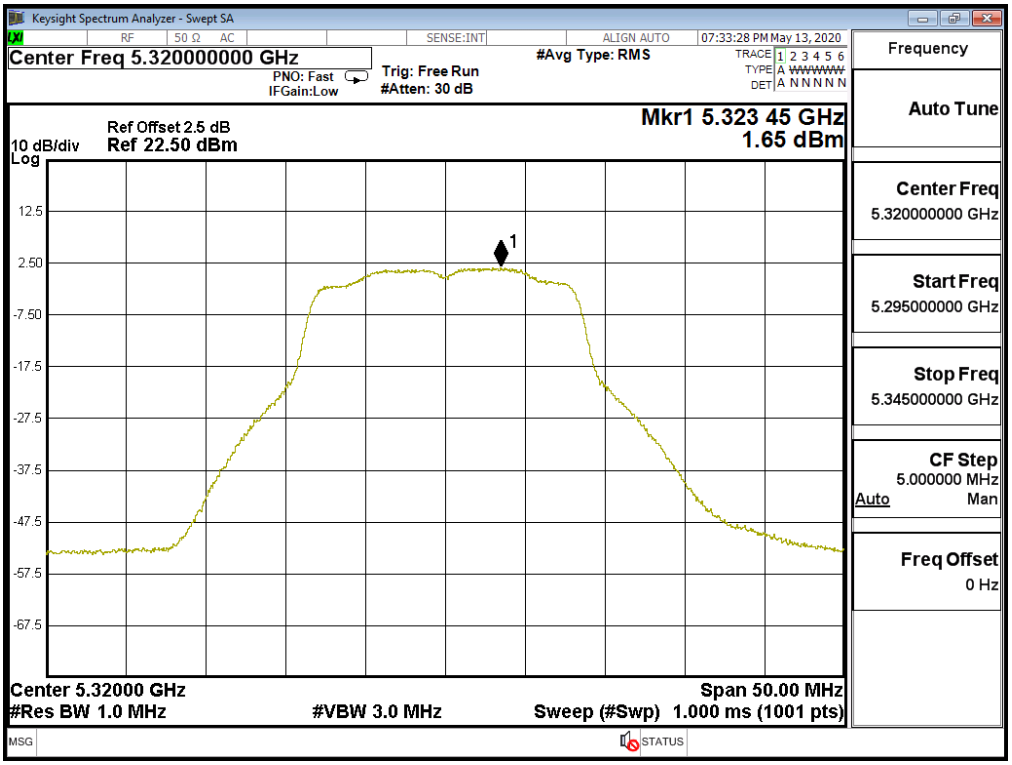
Channel 52:



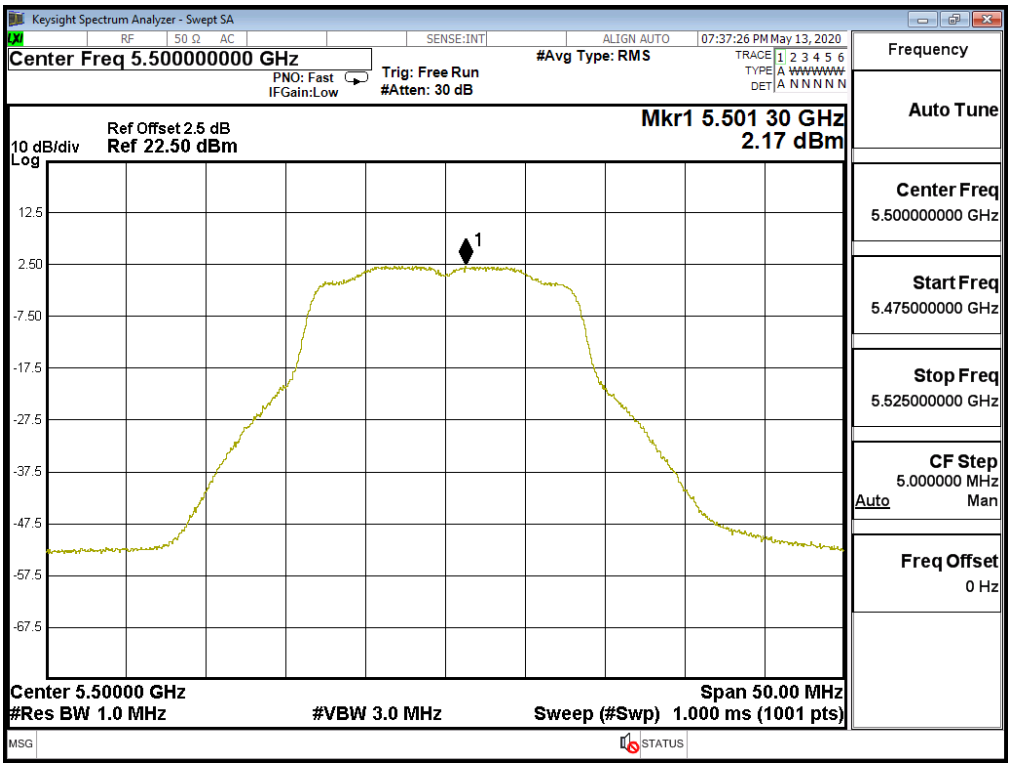
Channel 60:



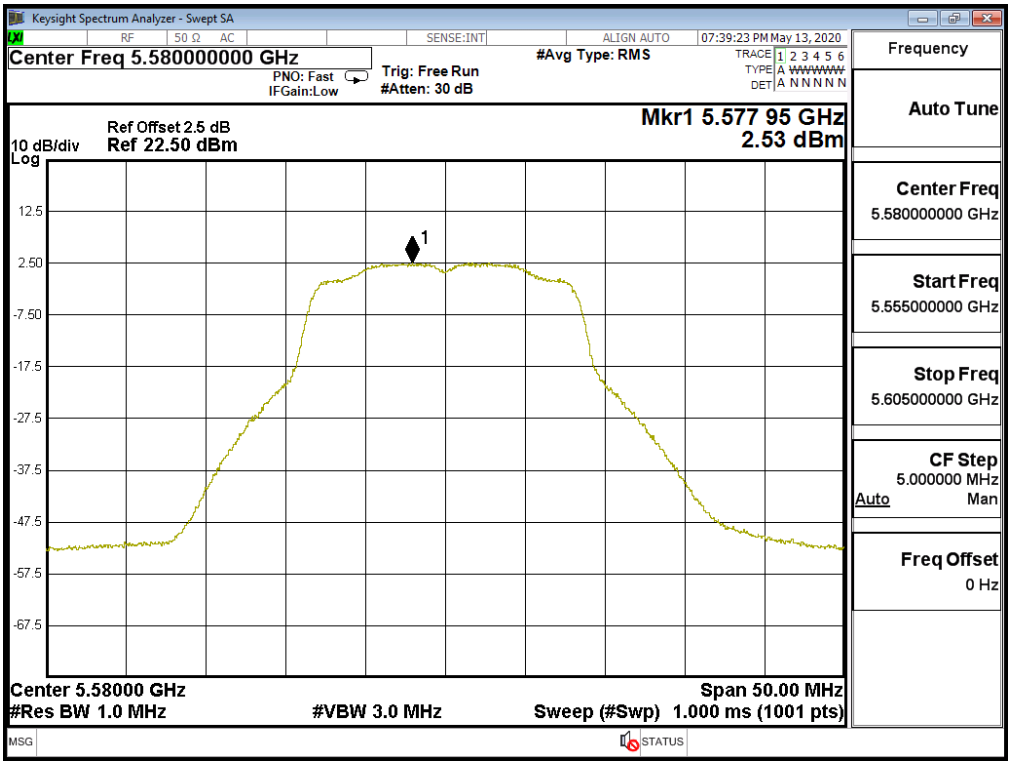
Channel 64:



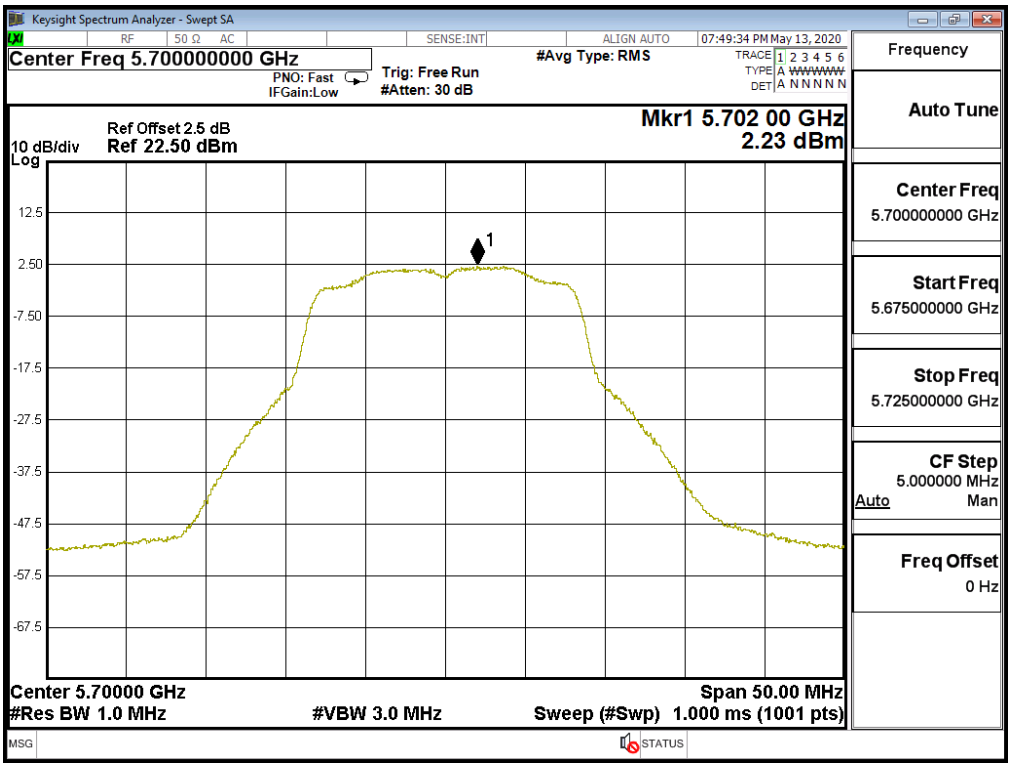
Channel 100:



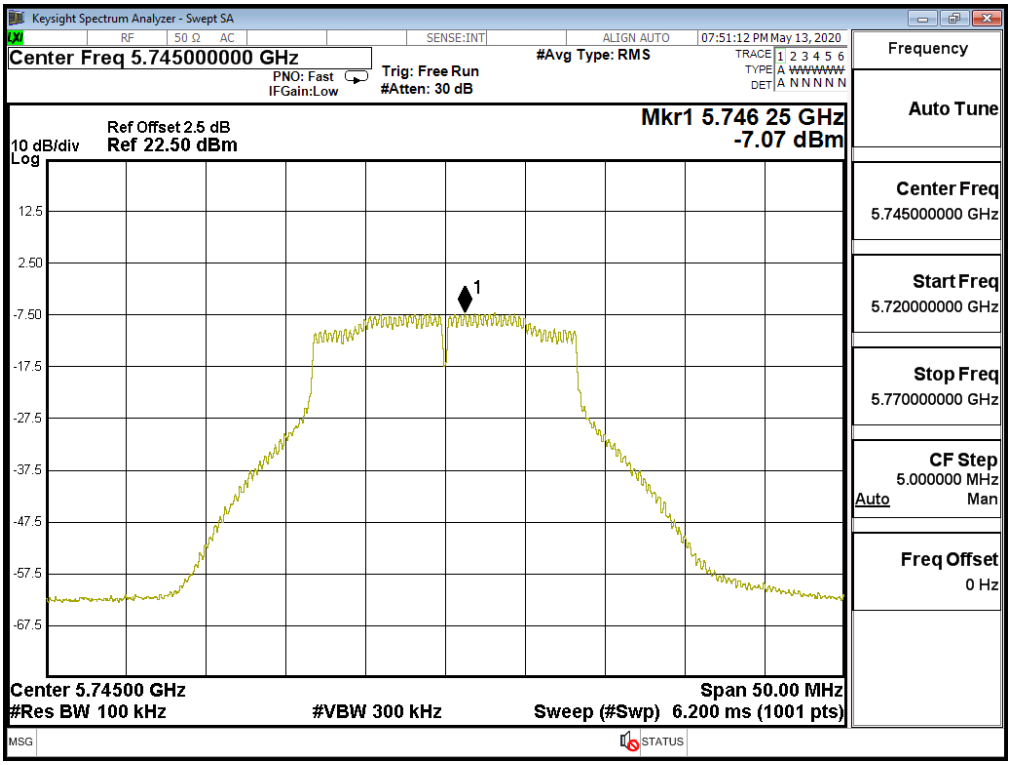
Channel 116:



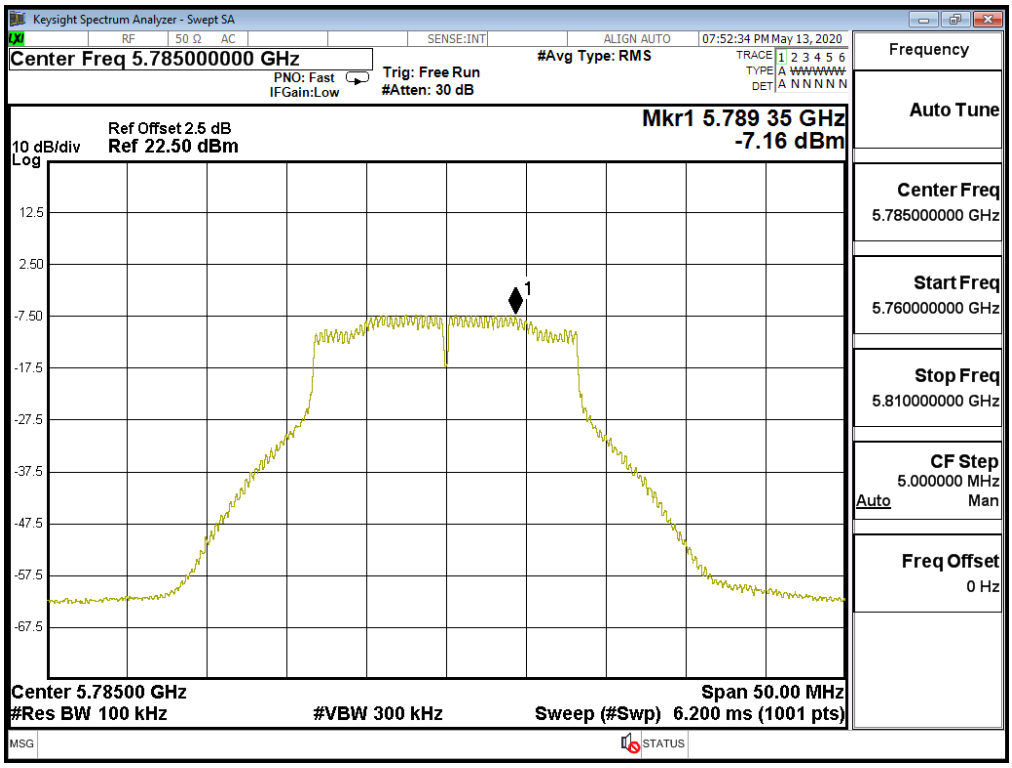
Channel 140:



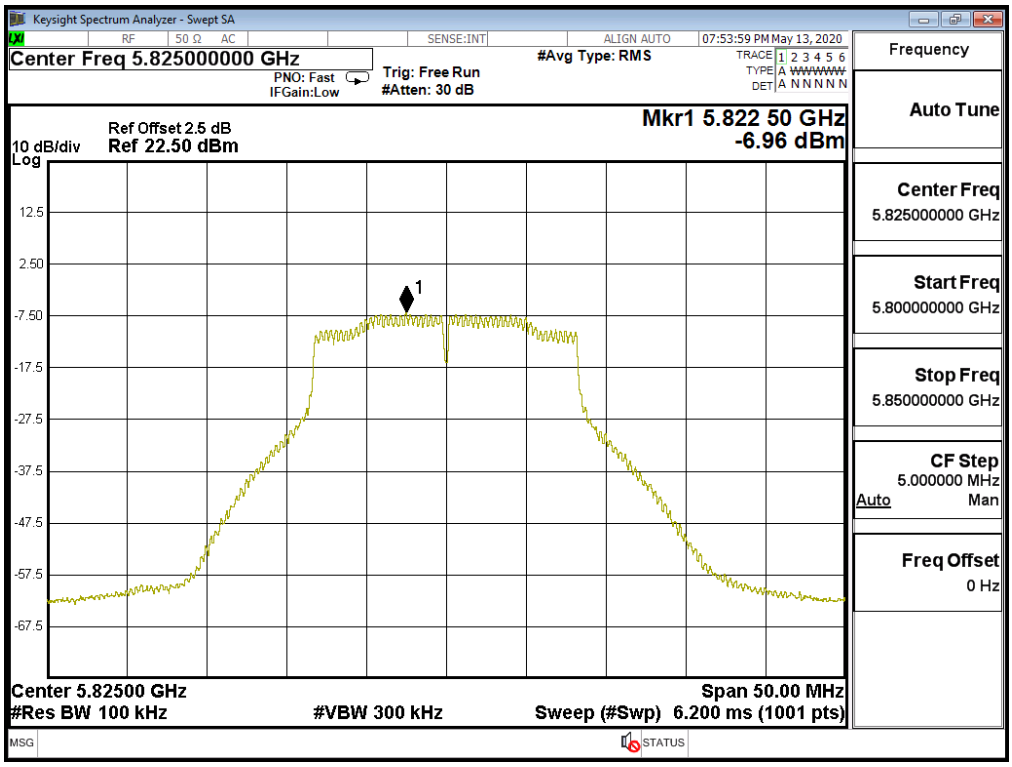
Channel 149



Channel 157



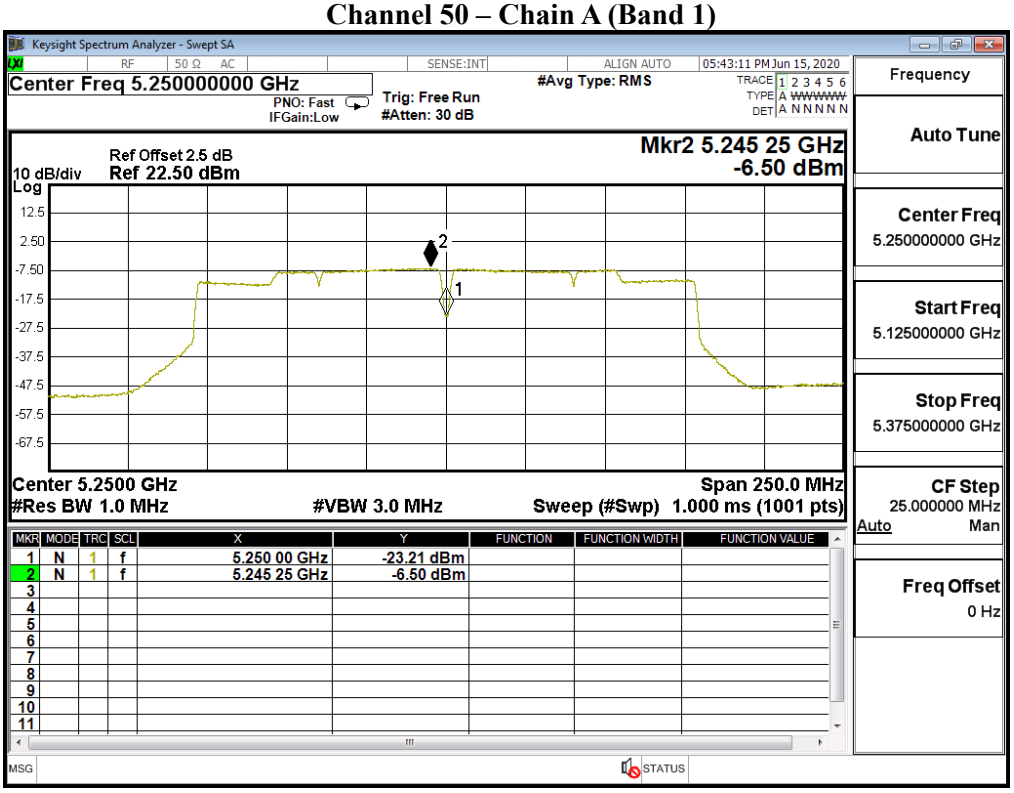
Channel 165



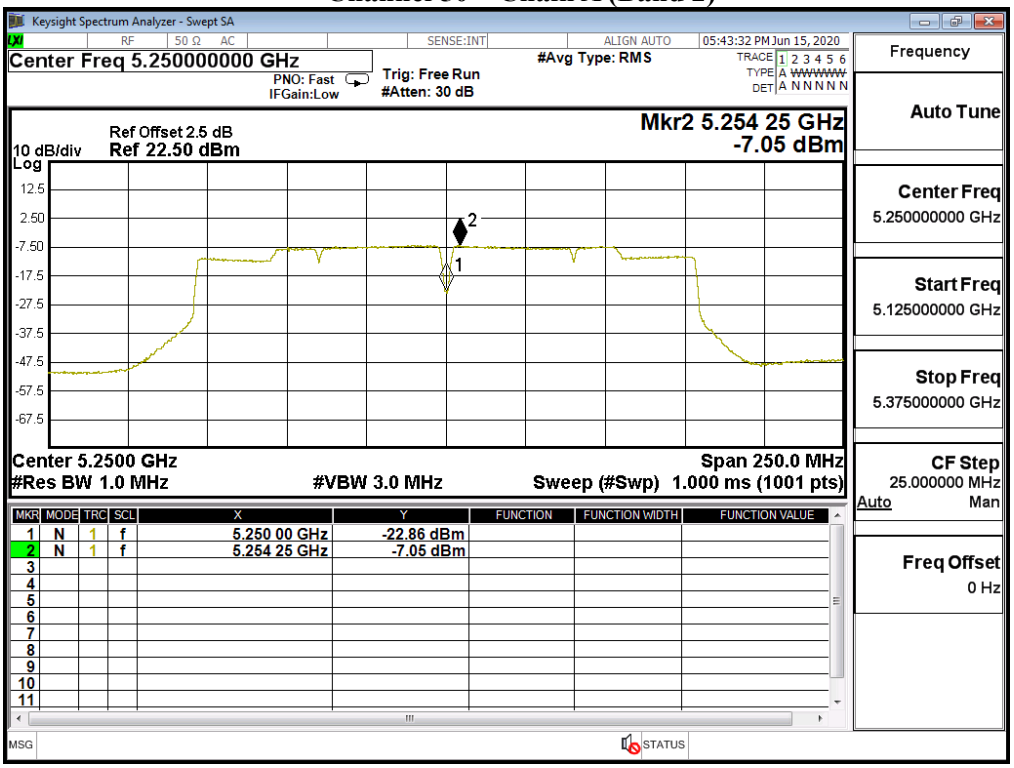
Product : Portable computer
Test Item : Peak Power Spectral Density
Test Mode : Mode 5 SISO A: Transmit (802.11ac-160BW_65Mbps)

Channel Number	Frequency (MHz)	Chain	Measurement Level (dBm)	Required Limit (dBm)	Result
50(Band1)	5250	A	-6.50	11	Pass
50(Band2)	5250	A	-7.05	11	Pass
114	5570	A	-6.86	11	Pass

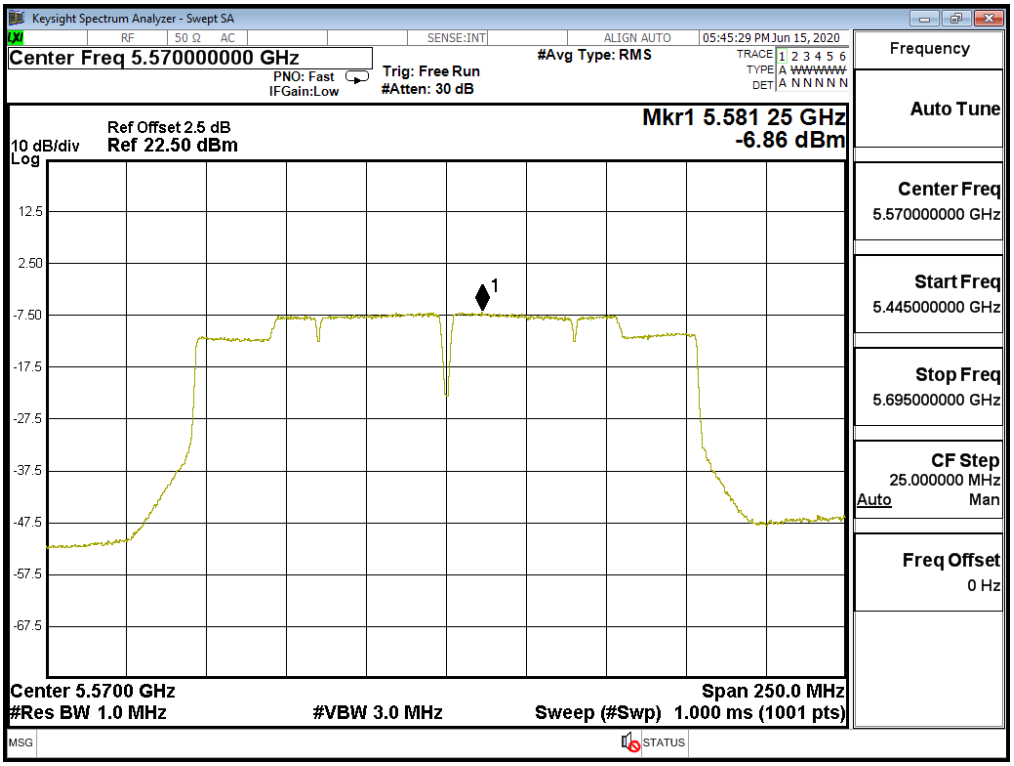
Channel 50 – Chain A (Band 1)



Channel 50 – Chain A (Band 2)



Channel 114 – Chain A



Product : Portable computer
Test Item : Peak Power Spectral Density
Test Mode : Mode 9: SISO A: Transmit (802.11ax-160BW_72.1Mbps)

RU config: Full

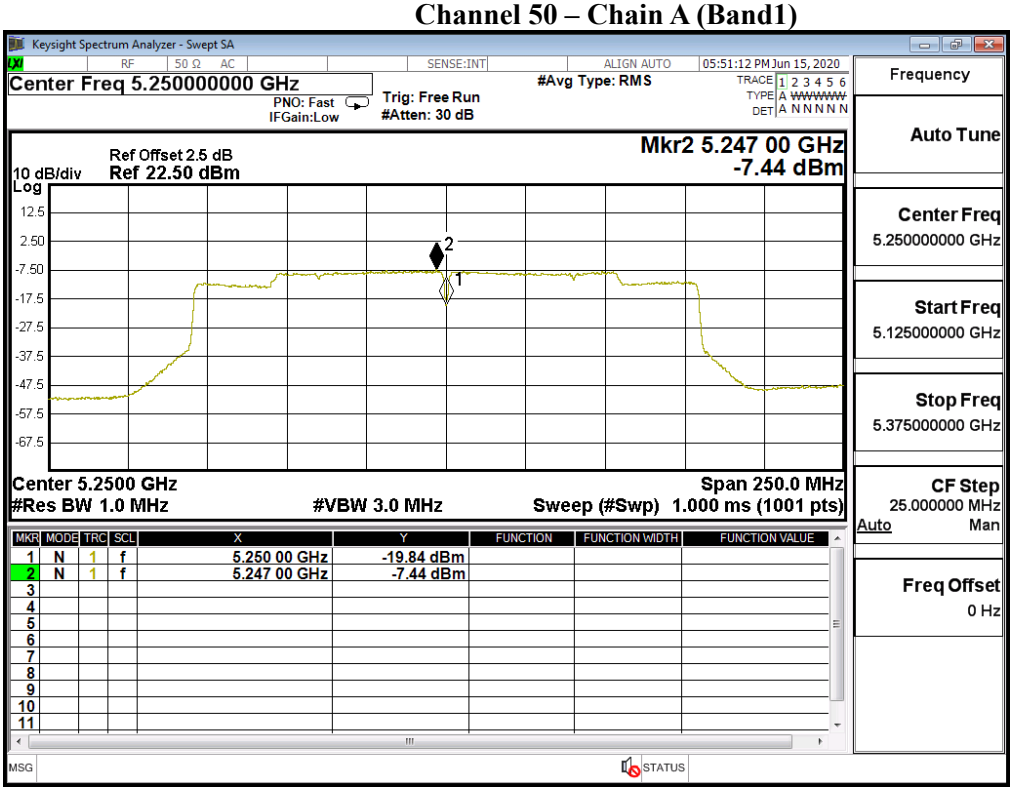
Channel Number	Frequency (MHz)	Chain	Measurement Level (dBm)	Required Limit (dBm)	Result
50(Band1)	5250	A	-7.44	11	Pass
50(Band2)	5250	A	-7.56	11	Pass
114	5570	A	-7.63	11	Pass

RU config: Other

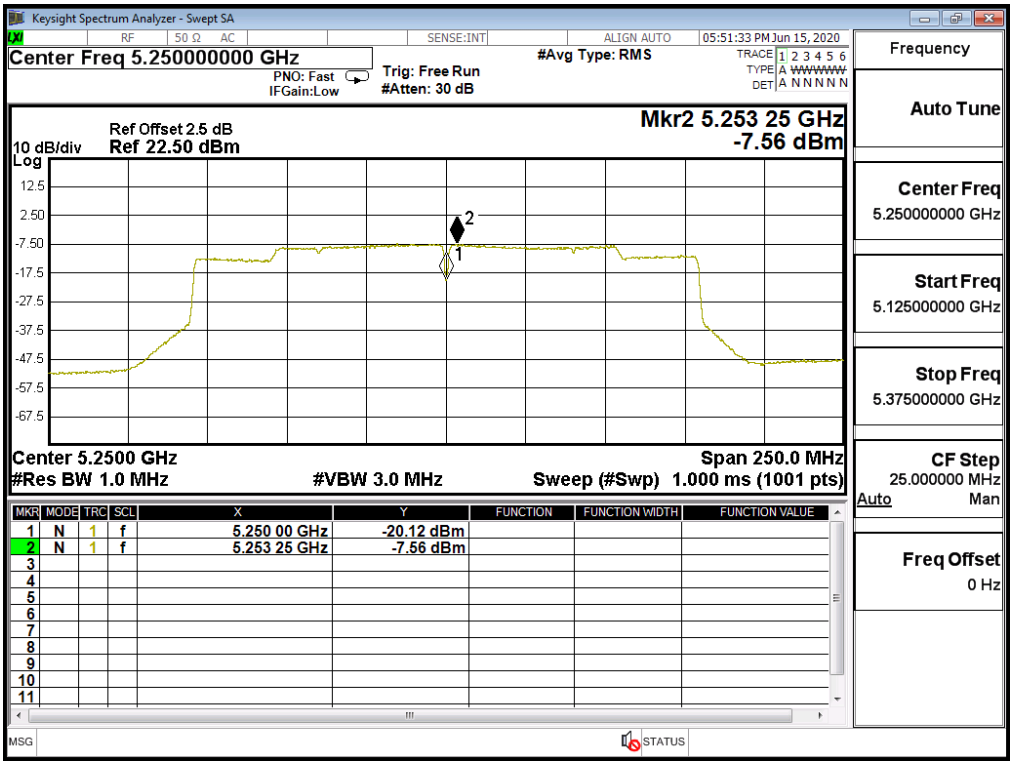
Channel / Frequenc	RU setting	Chain	Measurement Level (dBm)	Required Limit (dBm)	Result
50/5250	996/67	A	-4.56	11	Pass
	996/S67	A	-4.41	11	Pass
114/5570	996/67	A	-5.26	11	Pass
	996/S67	A	-4.67	11	Pass

RU config: Full

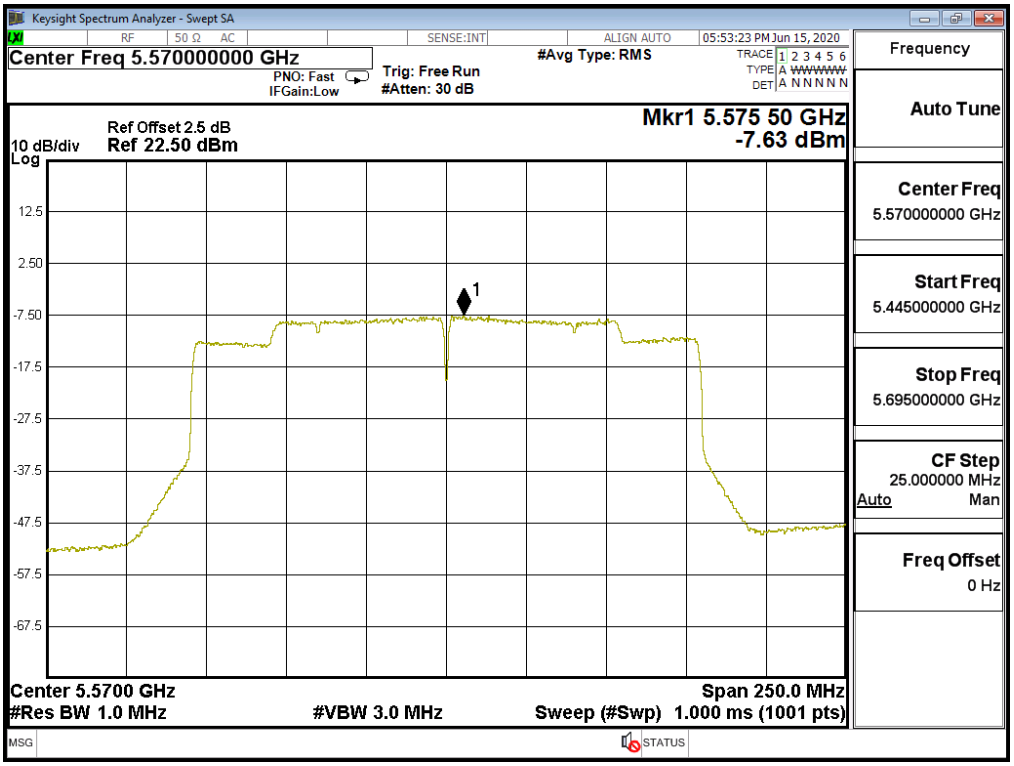
Channel 50 – Chain A (Band1)



Channel 50 – Chain A (Band2)

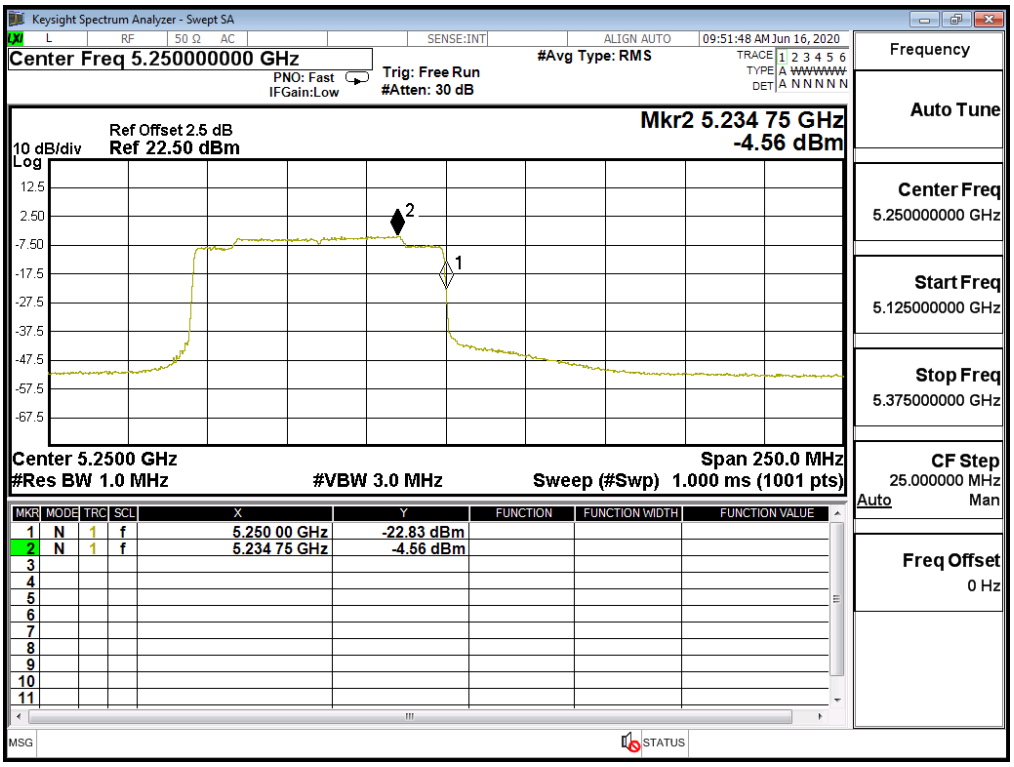


Channel 114 – Chain A

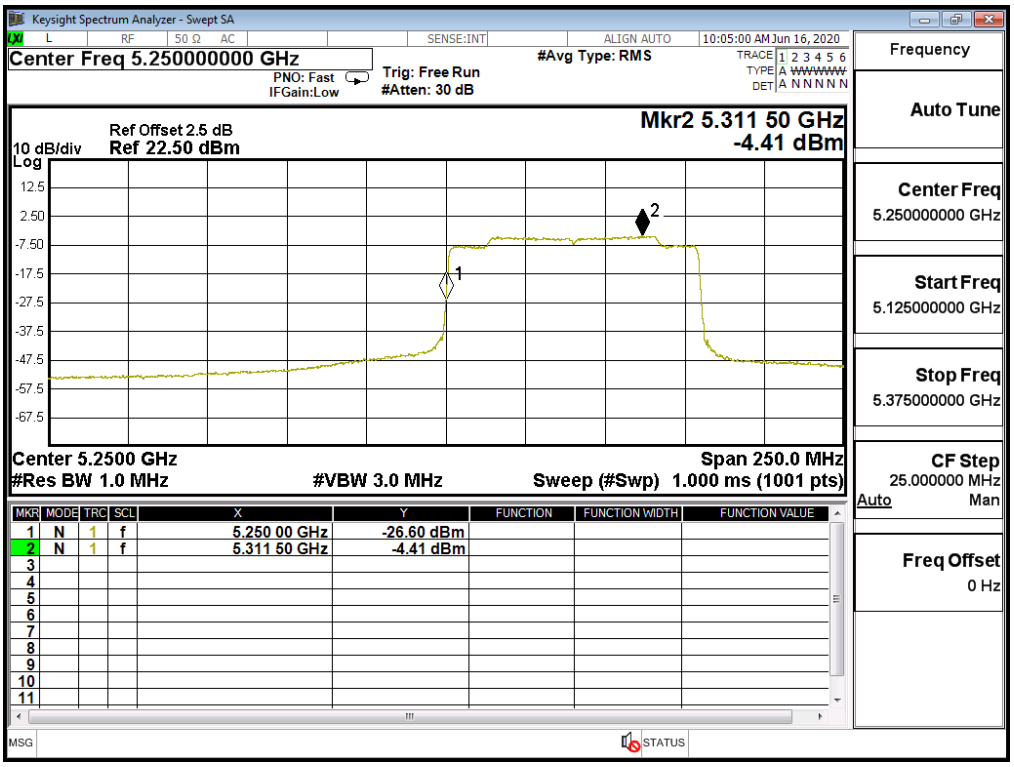


RU config: Other

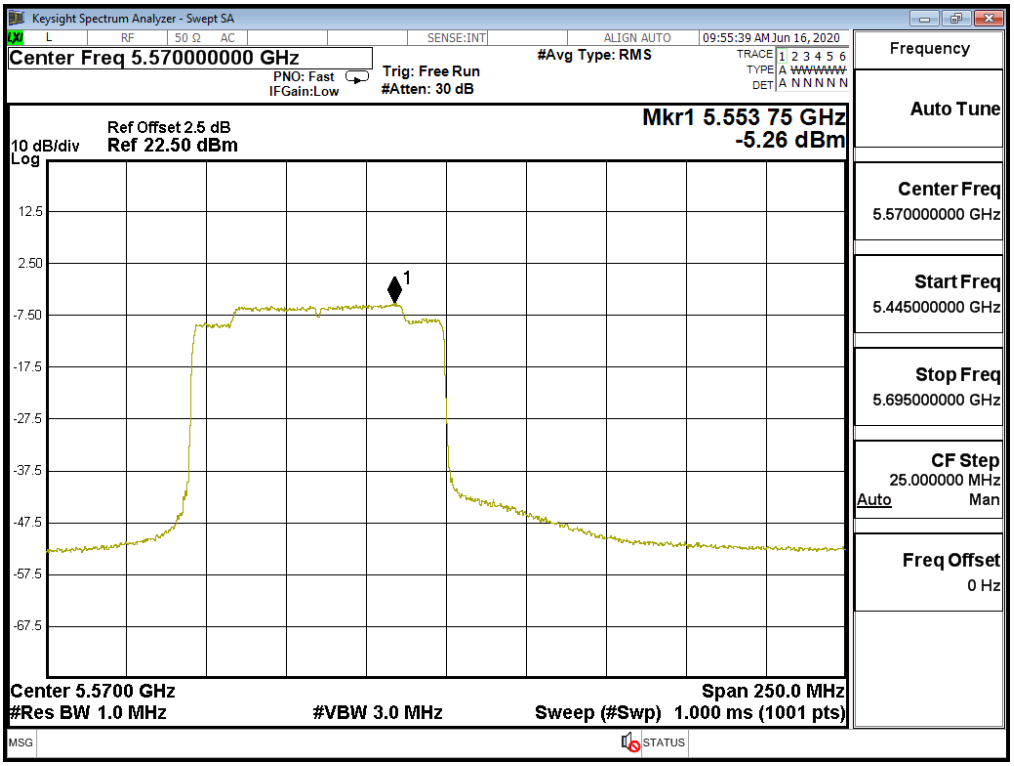
Channel 50 – 996/67 Chain A



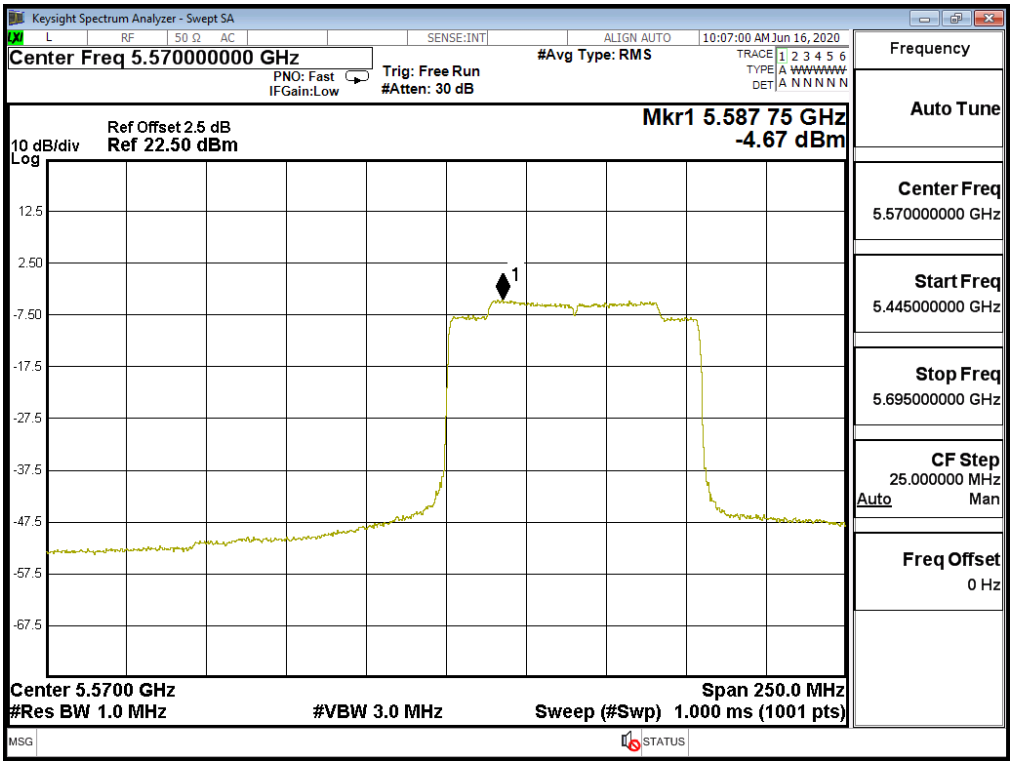
Channel 50 – 996/S67 Chain A



Channel 114 – 996/67 Chain A



Channel 114 – 996/S67 Chain A



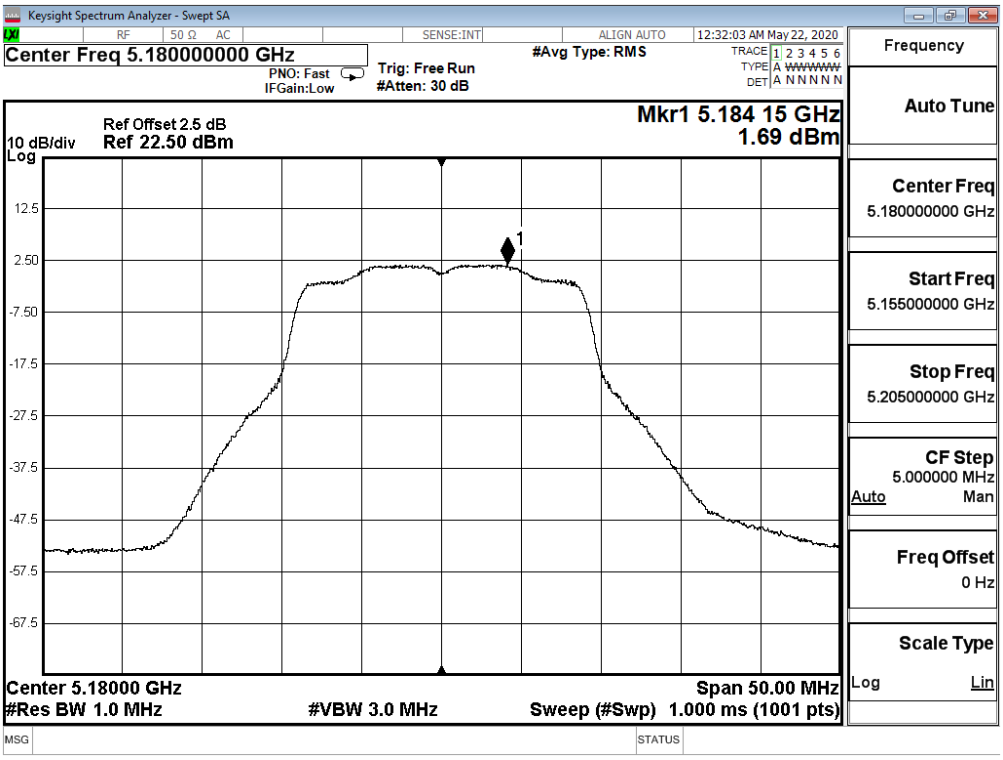
Product : Portable computer
Test Item : Peak Power Spectral Density
Test Mode : Mode 19 MIMO: Transmit (802.11n-20BW_14.4Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PPSD (dBm)	Required Limit (dBm)	Result
36	5180	A	1.69	4.70	11	Pass
		B	1.82	4.83	11	Pass
44	5220	A	1.38	4.39	11	Pass
		B	1.90	4.91	11	Pass
48	5240	A	1.16	4.17	11	Pass
		B	2.00	5.01	11	Pass
52	5260	A	-1.87	1.14	11	Pass
		B	-1.07	1.94	11	Pass
60	5300	A	1.15	4.16	11	Pass
		B	1.72	4.73	11	Pass
64	5320	A	-1.91	1.10	11	Pass
		B	-1.18	1.83	11	Pass
100	5500	A	-2.20	0.81	11	Pass
		B	-1.37	1.64	11	Pass
116	5580	A	-2.14	0.87	11	Pass
		B	-1.08	1.93	11	Pass
140	5700	A	-2.22	0.79	11	Pass
		B	-1.16	1.85	11	Pass
144(Band3)	5720	A	-1.82	1.19	11	Pass
		B	-1.20	1.81	11	Pass

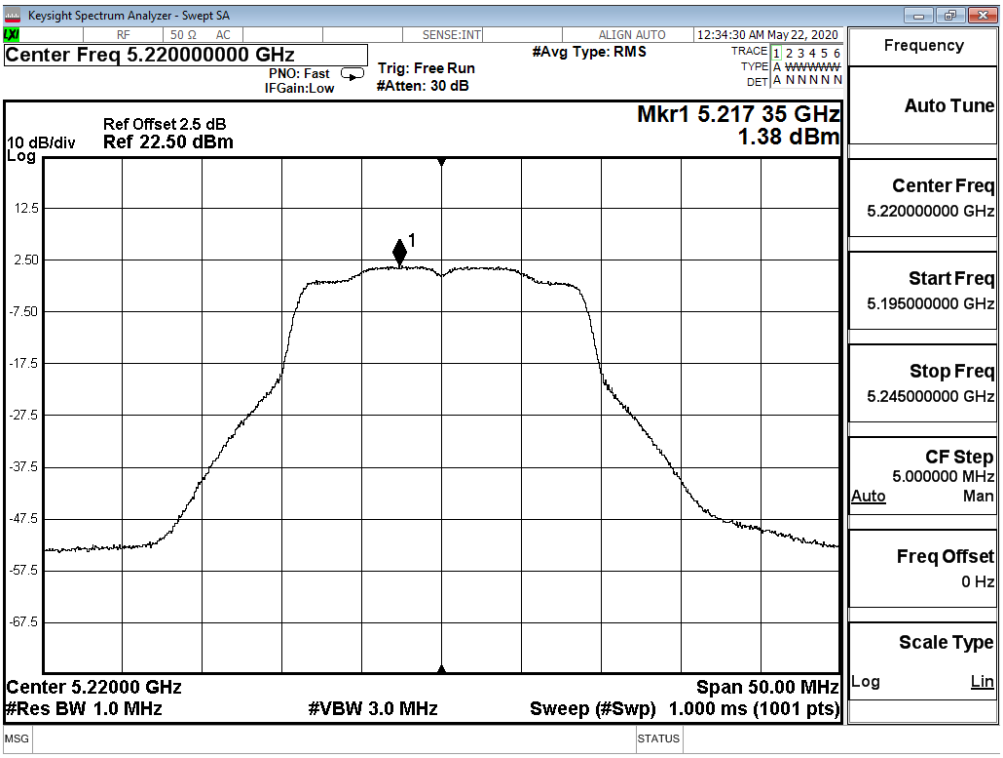
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
144(Band4)	5720	A	-12.10	6.98	-2.11	<30	Pass
		B	-11.82	6.98	-1.83	<30	Pass
149	5745	A	-11.45	6.98	-1.46	<30	Pass
		B	-10.44	6.98	-0.45	<30	Pass
157	5785	A	-11.08	6.98	-1.09	<30	Pass
		B	-10.37	6.98	-0.38	<30	Pass
165	5825	A	-11.15	6.98	-1.16	<30	Pass
		B	-10.68	6.98	-0.69	<30	Pass

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

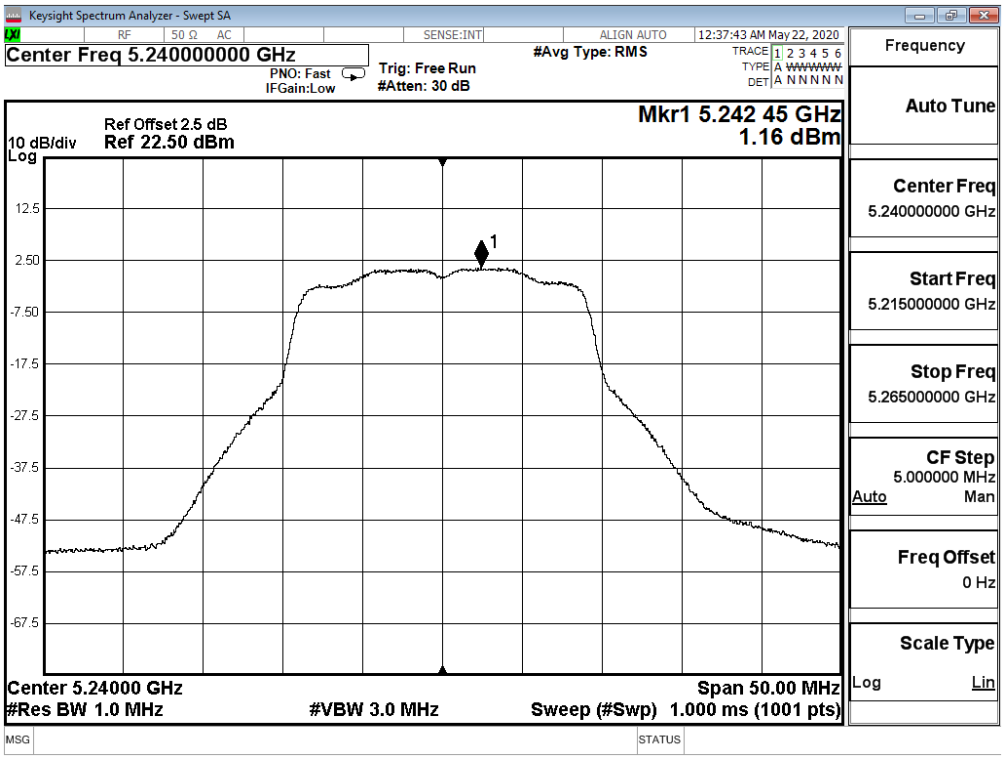
Channel 36 – Chain A



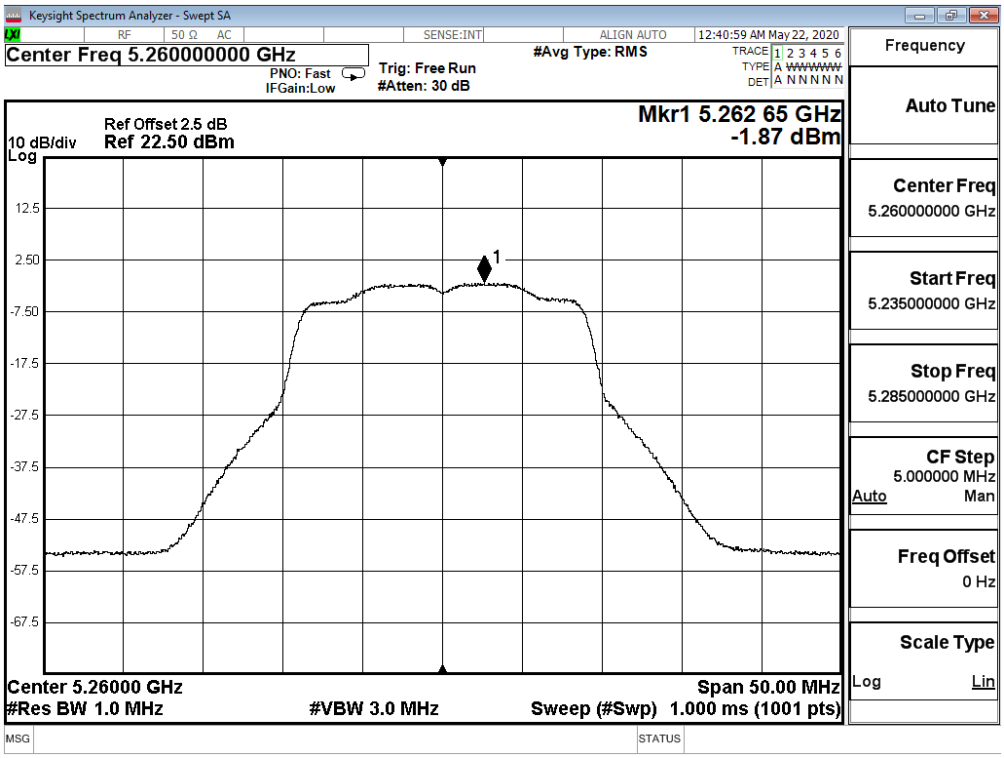
Channel 44 – Chain A



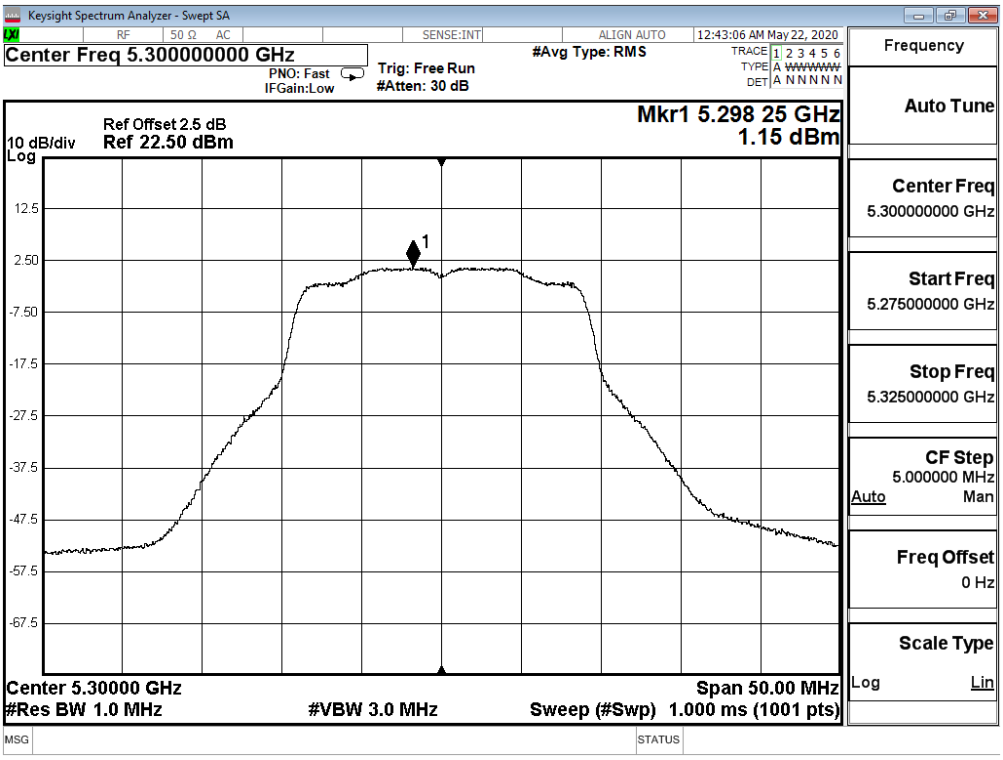
Channel 48 – Chain A



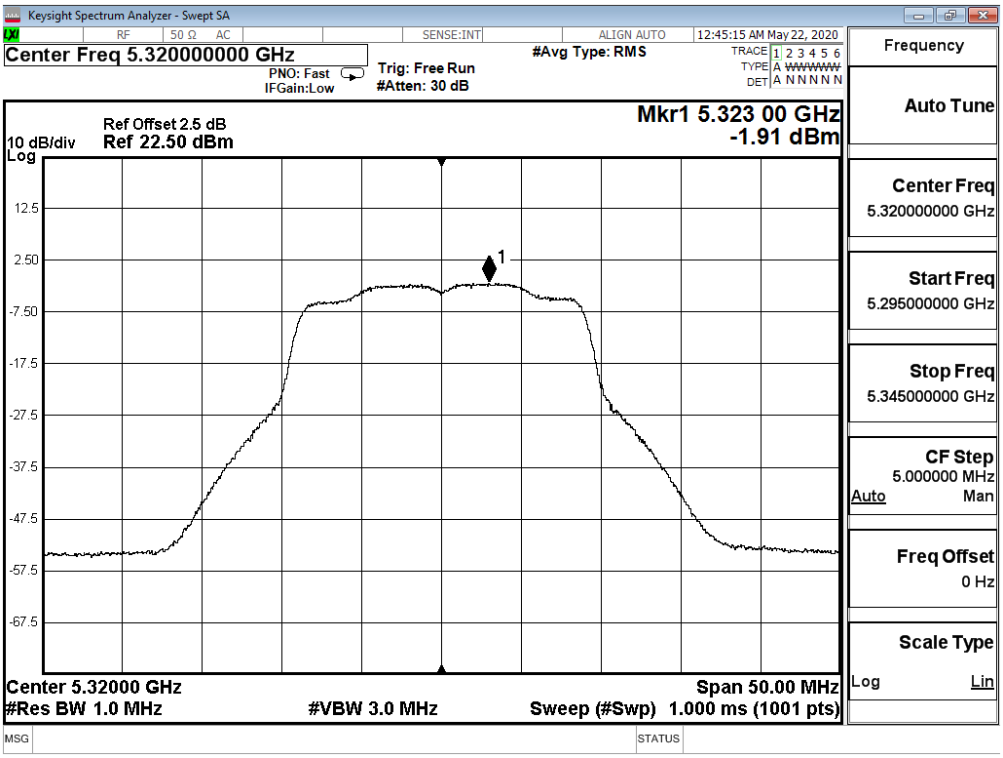
Channel 52 – Chain A



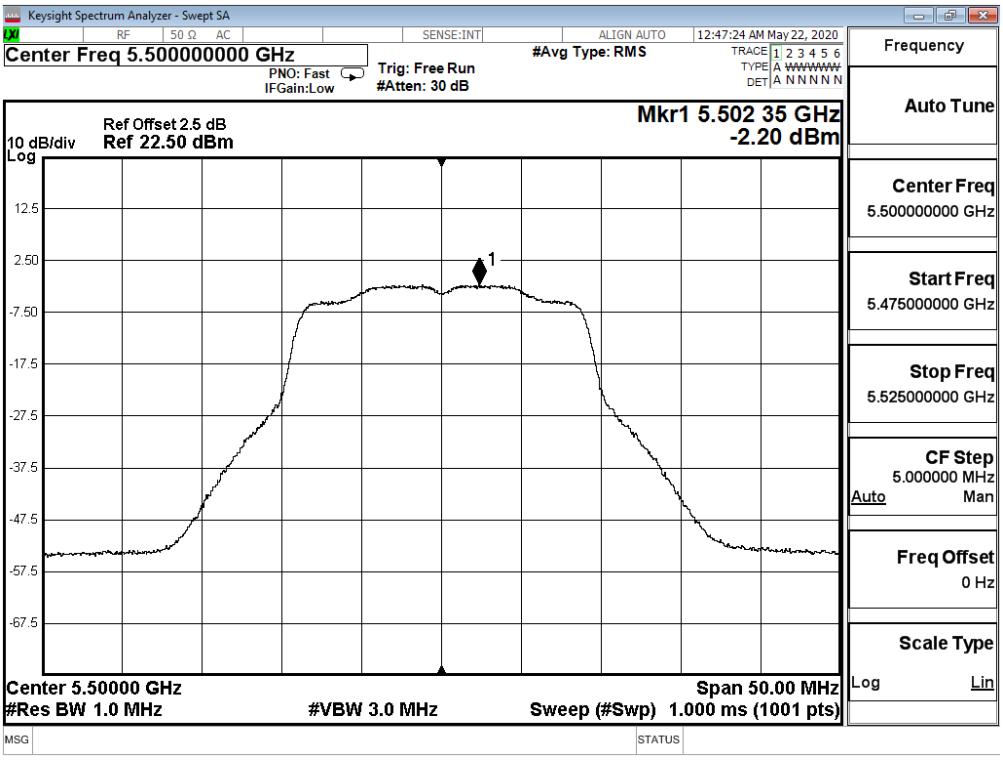
Channel 60 – Chain A



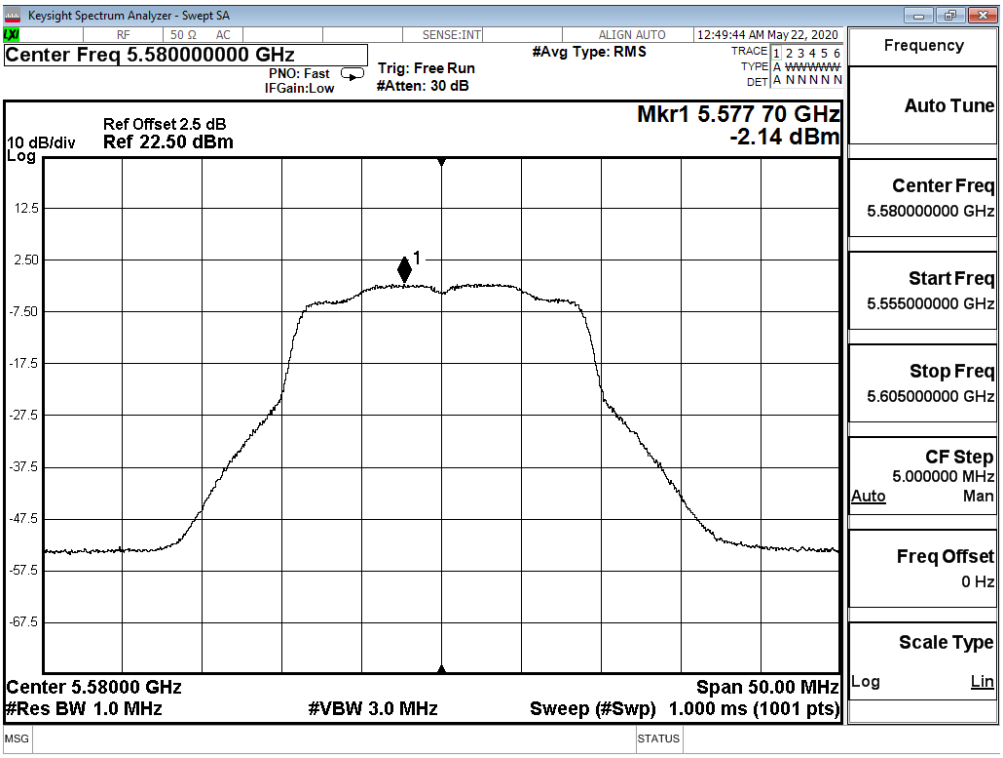
Channel 64 – Chain A



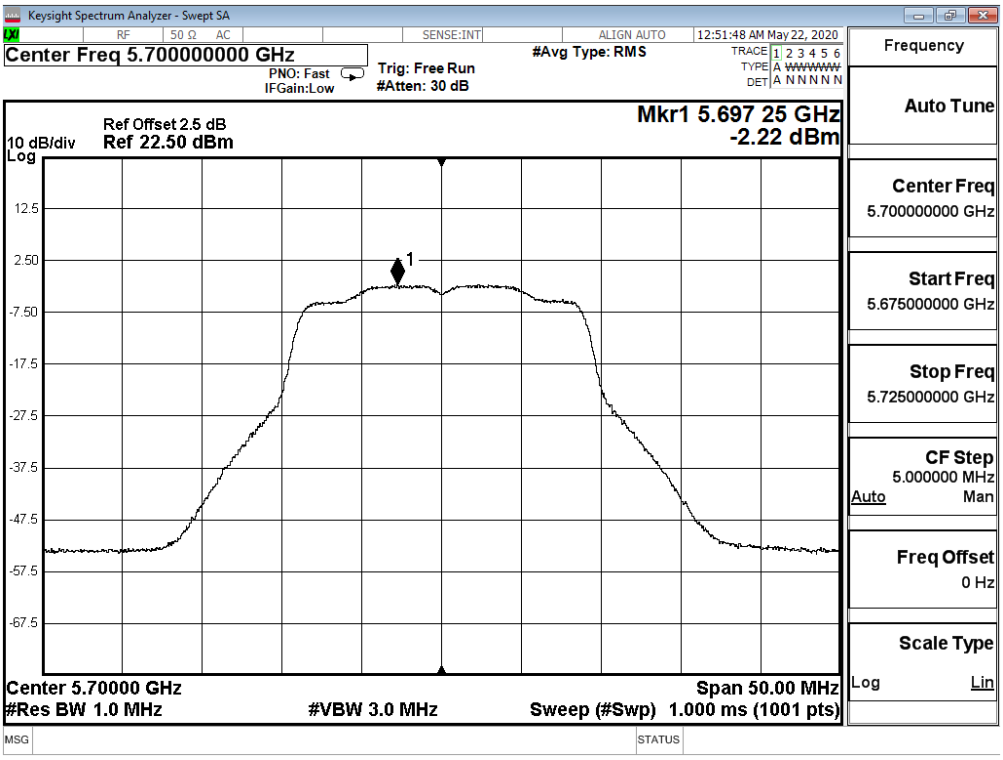
Channel 100 – Chain A



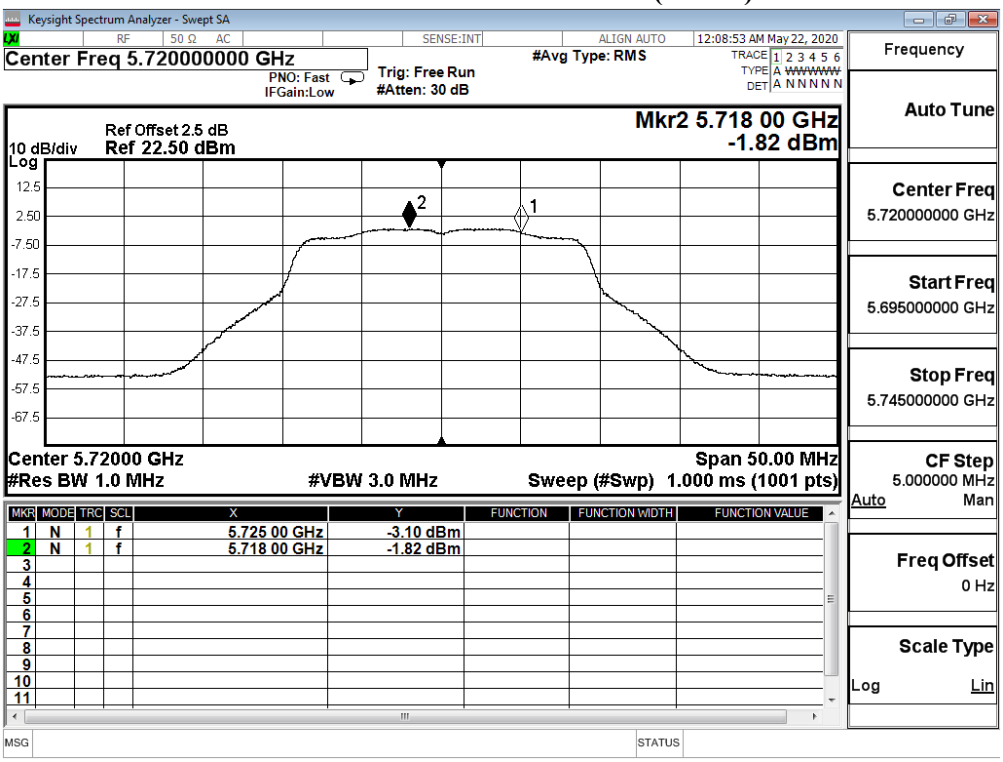
Channel 116 – Chain A



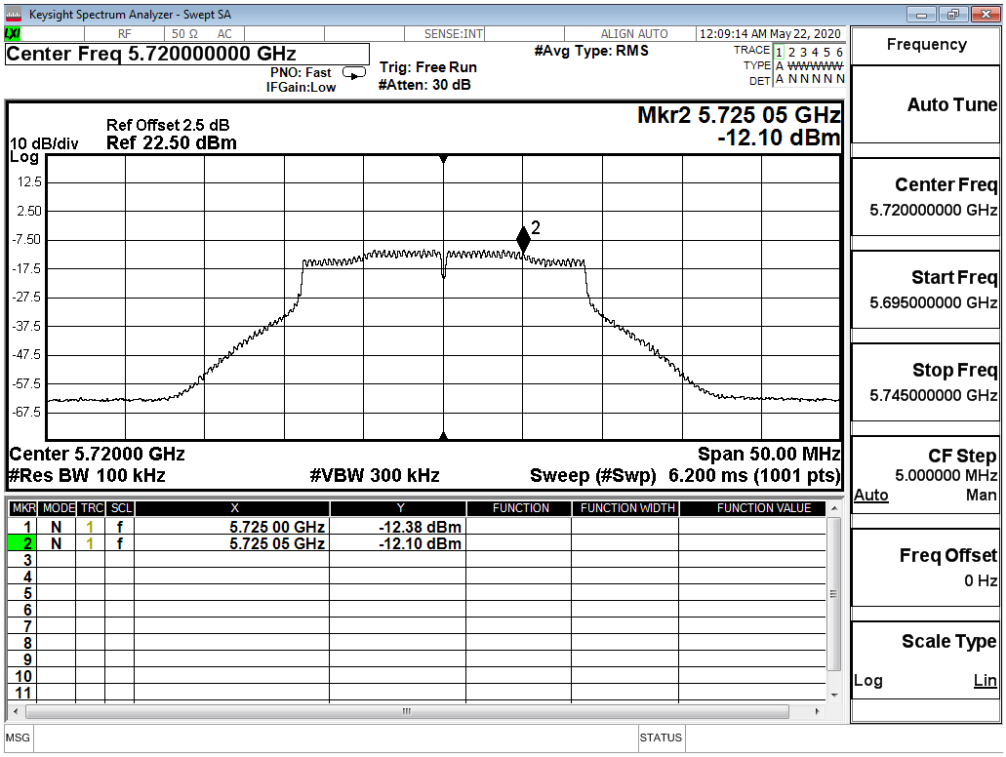
Channel 140 – Chain A



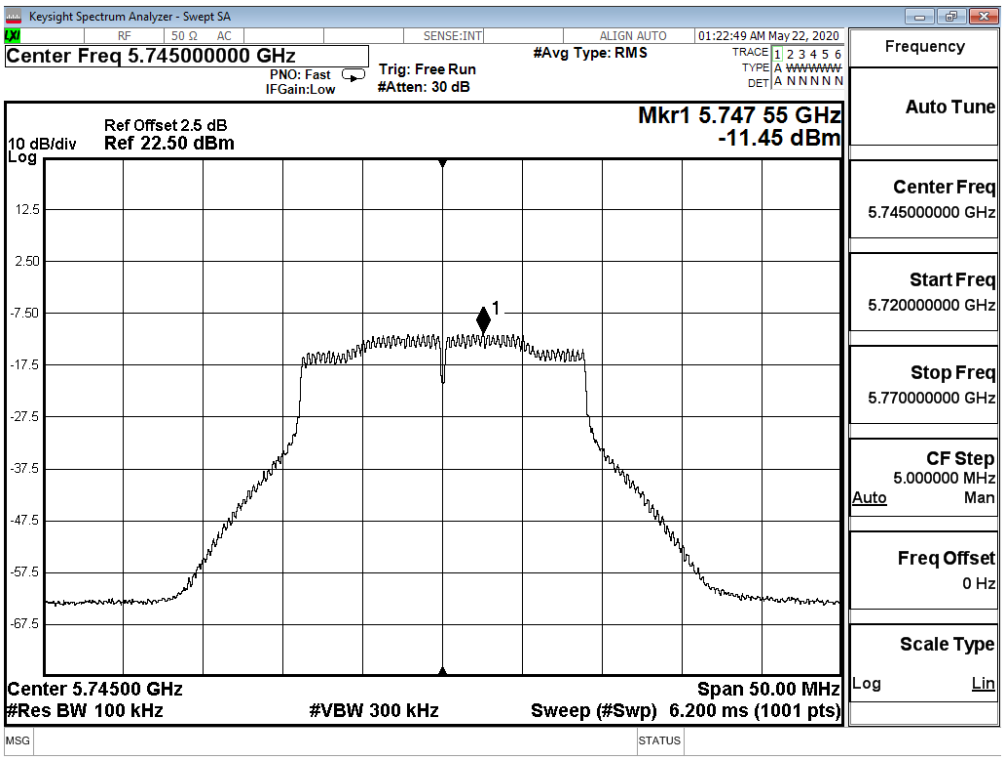
Channel 144 – Chain A (Band3)



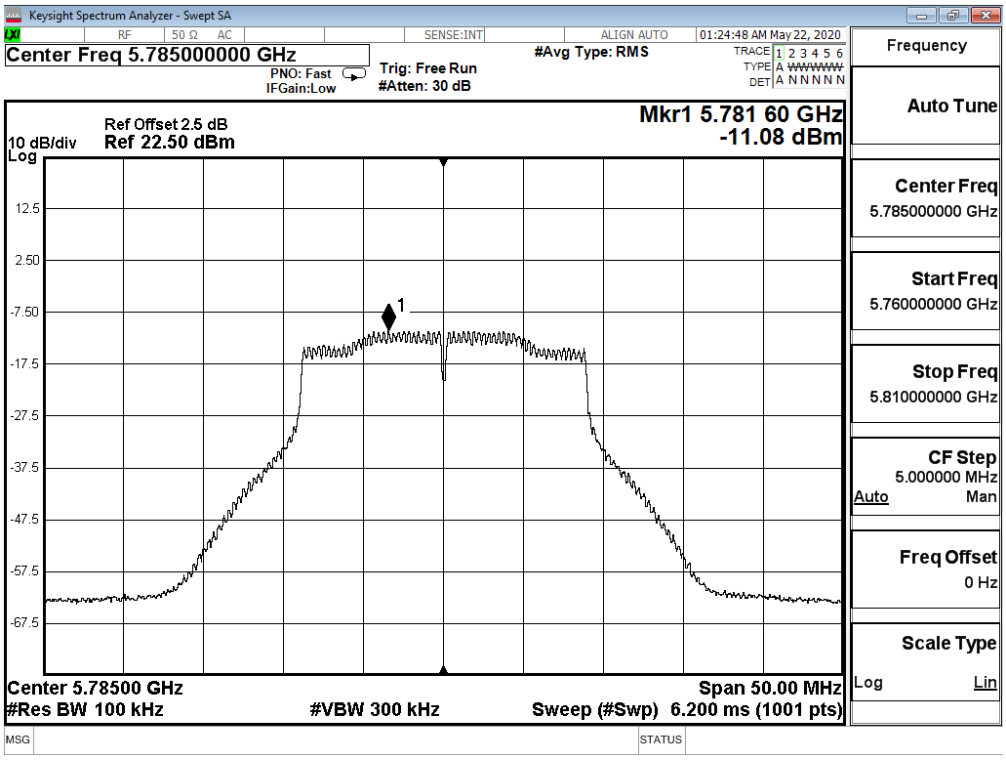
Channel 144 – Chain A (Band4)



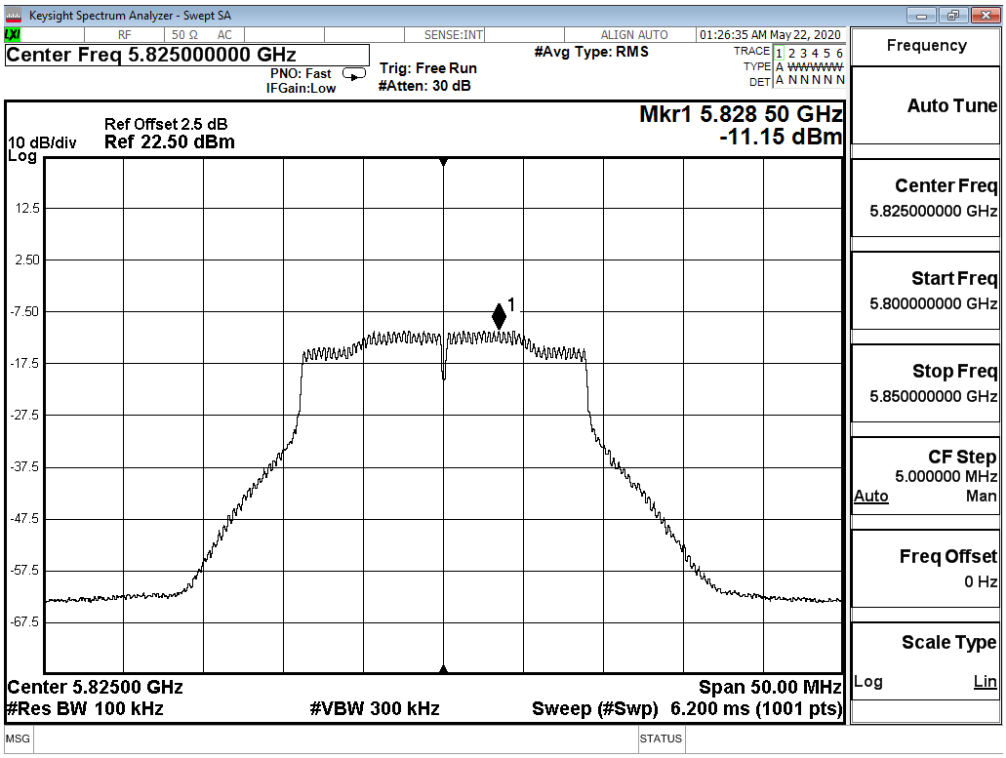
Channel 149 – Chain A



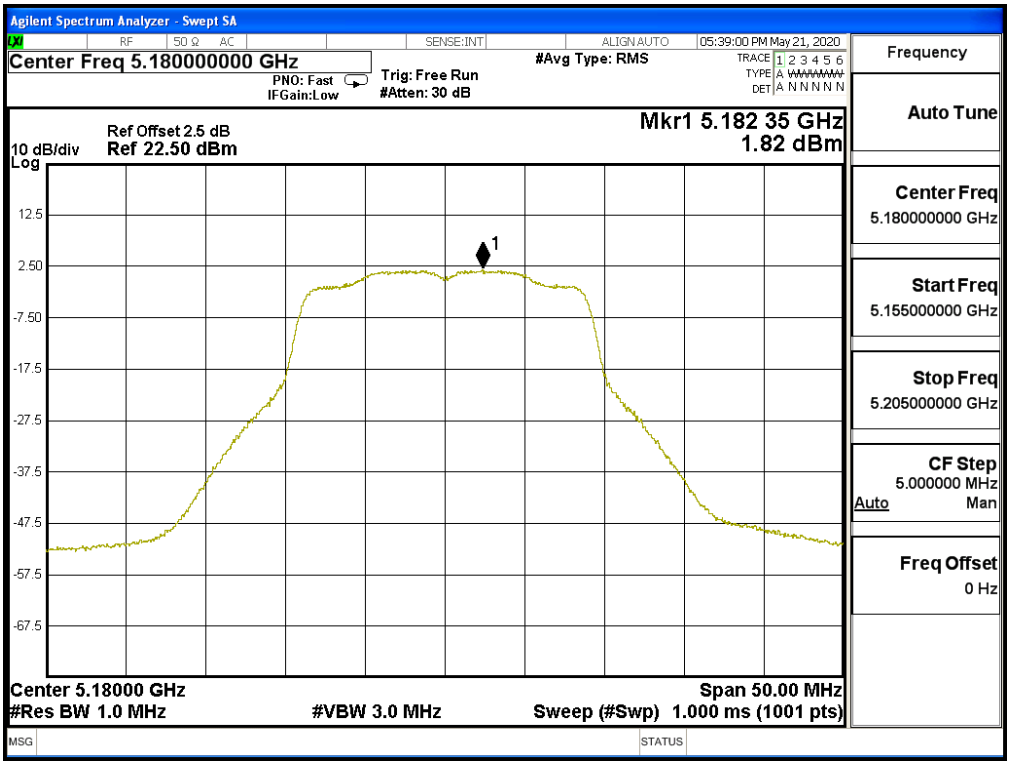
Channel 157 – Chain A



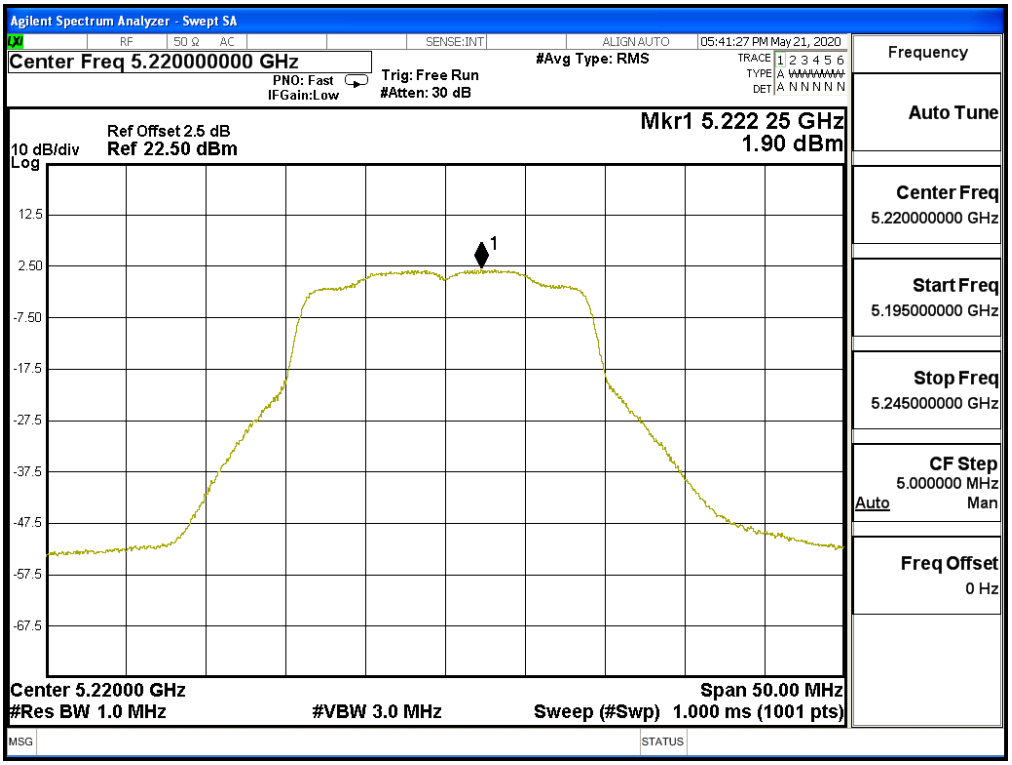
Channel 165 – Chain A



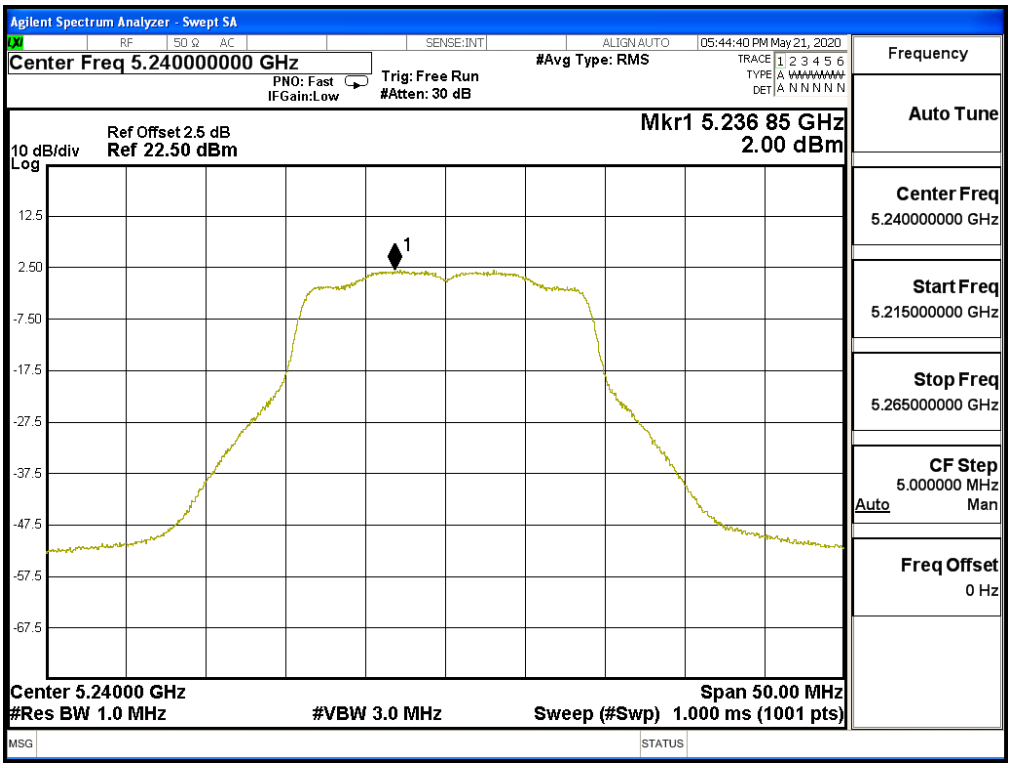
Channel 36 – Chain B



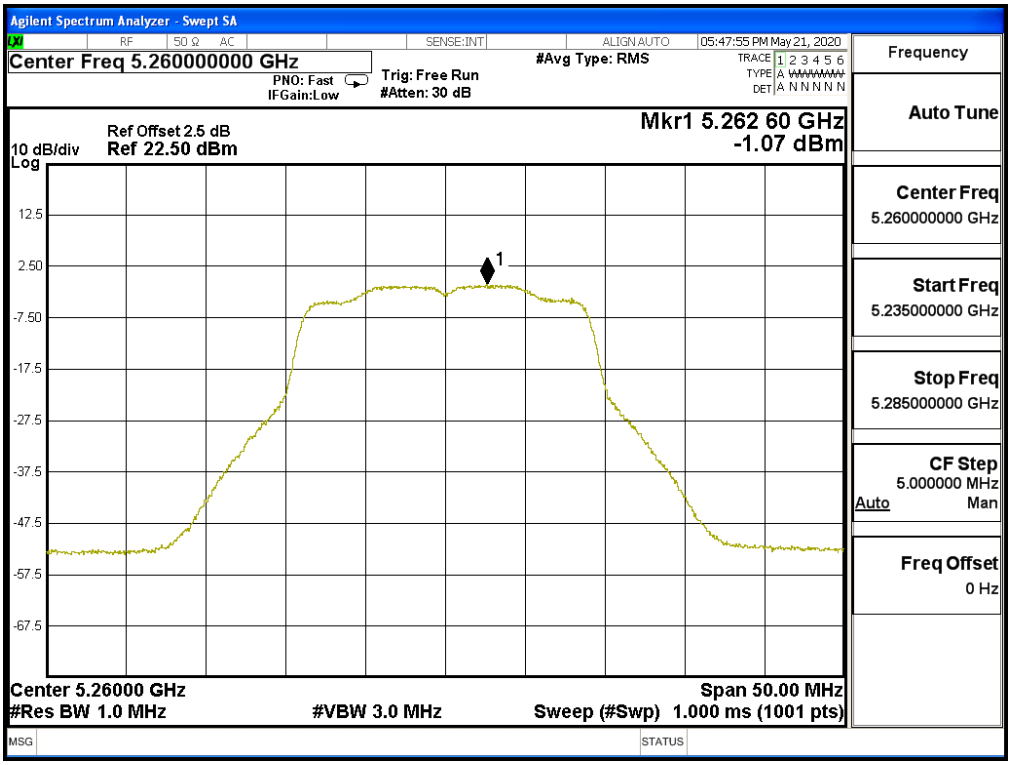
Channel 44 – Chain B



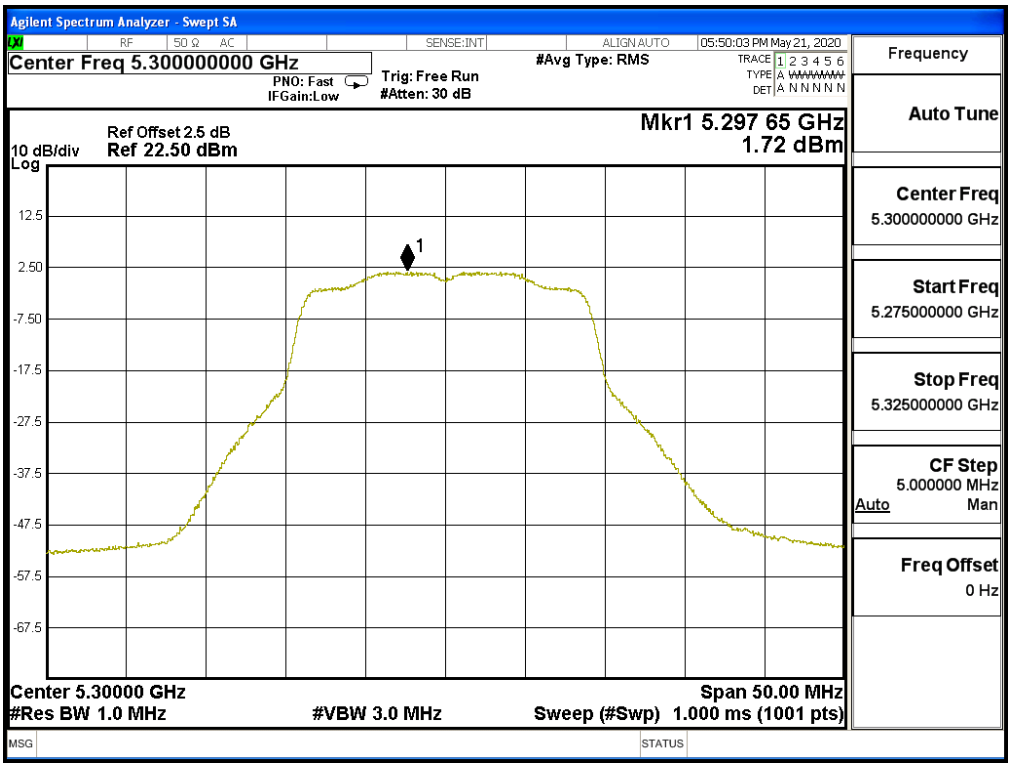
Channel 48 – Chain B



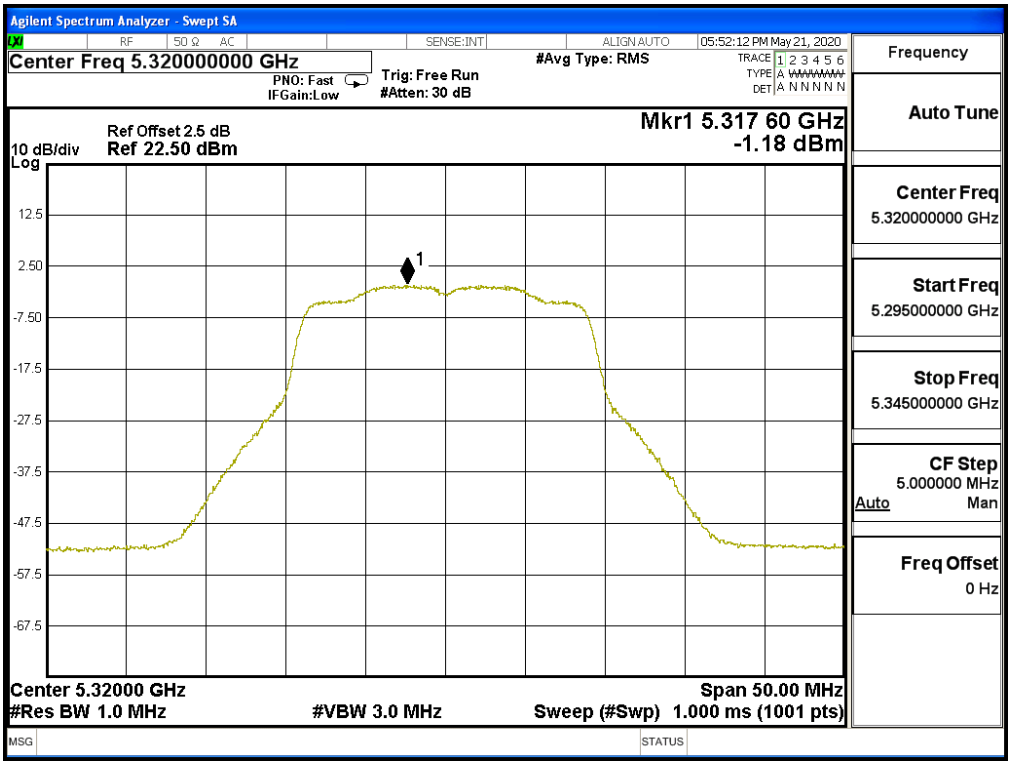
Channel 52 – Chain B



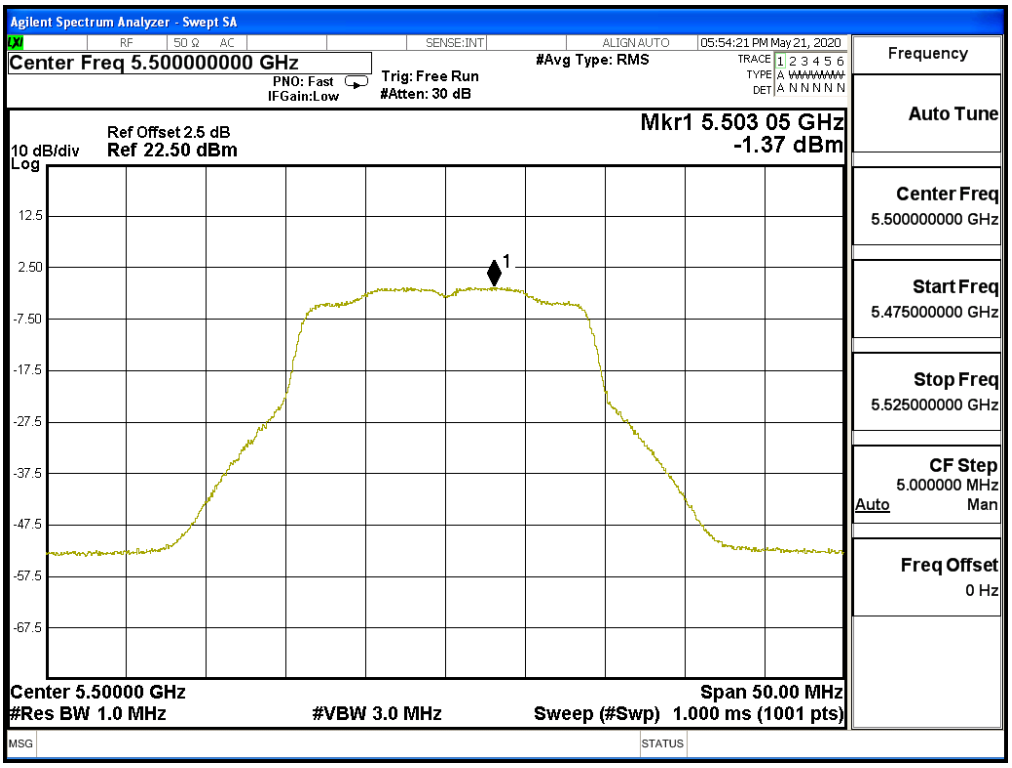
Channel 60 – Chain B



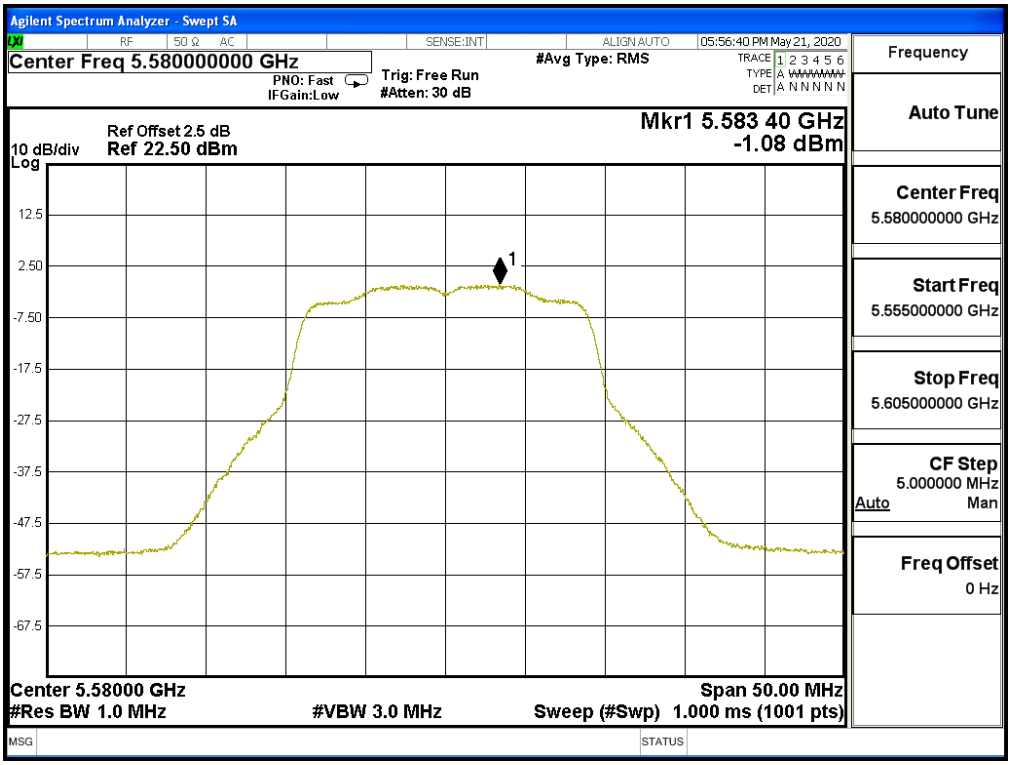
Channel 64 – Chain B



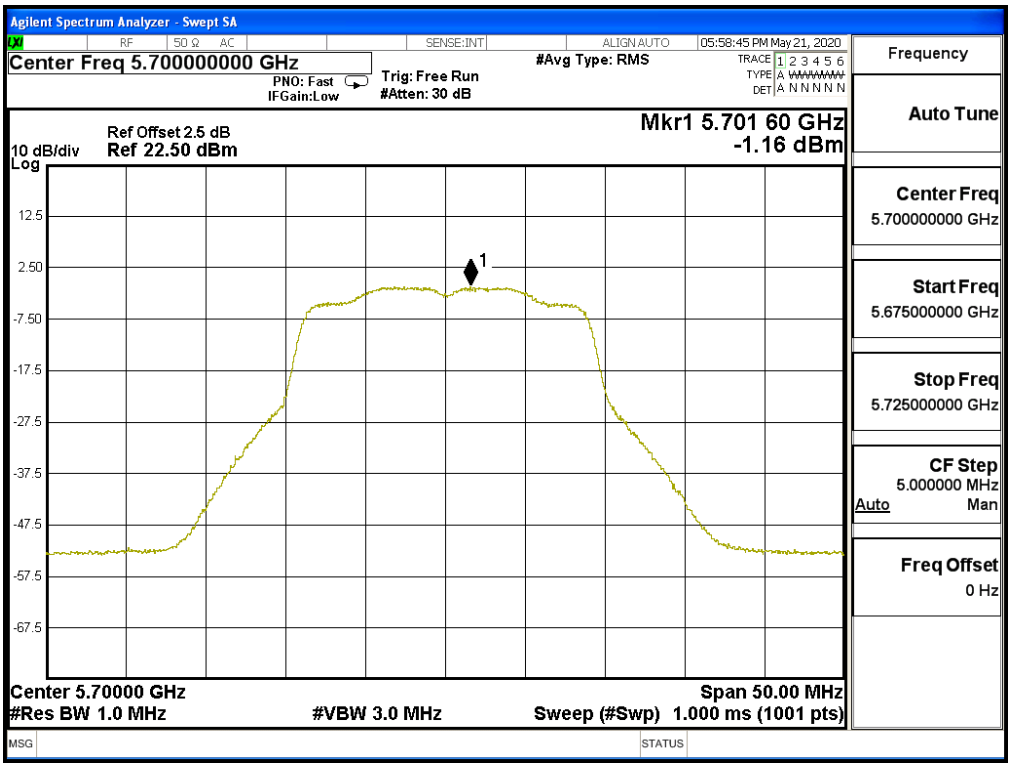
Channel 100 – Chain B



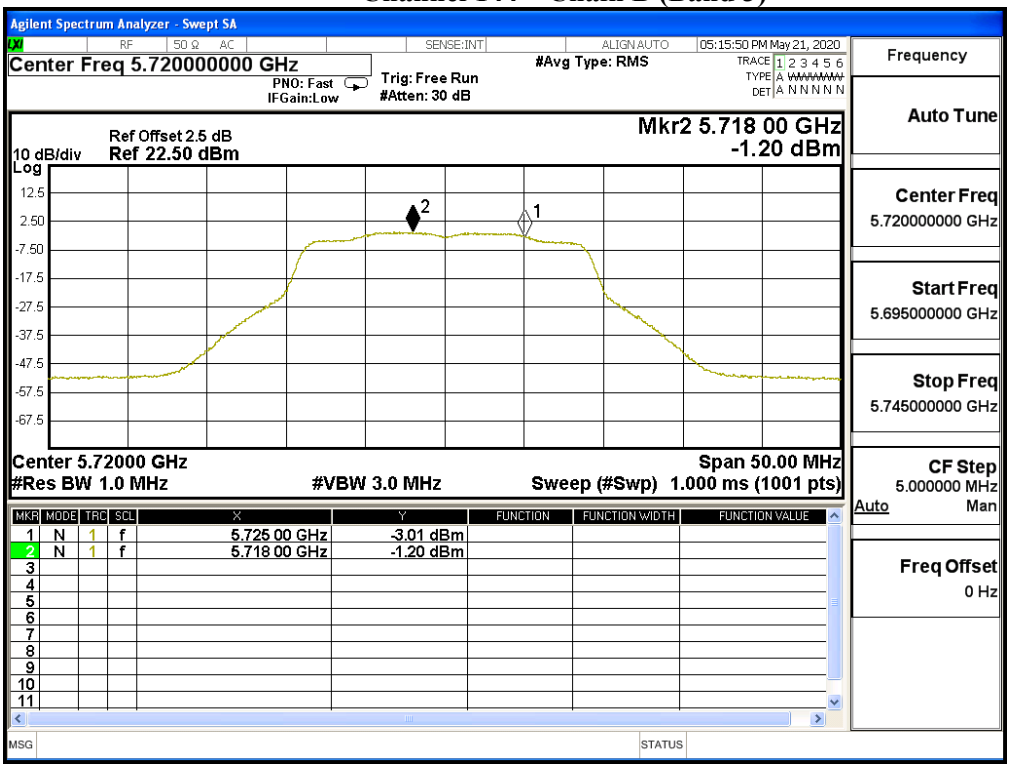
Channel 116 – Chain B



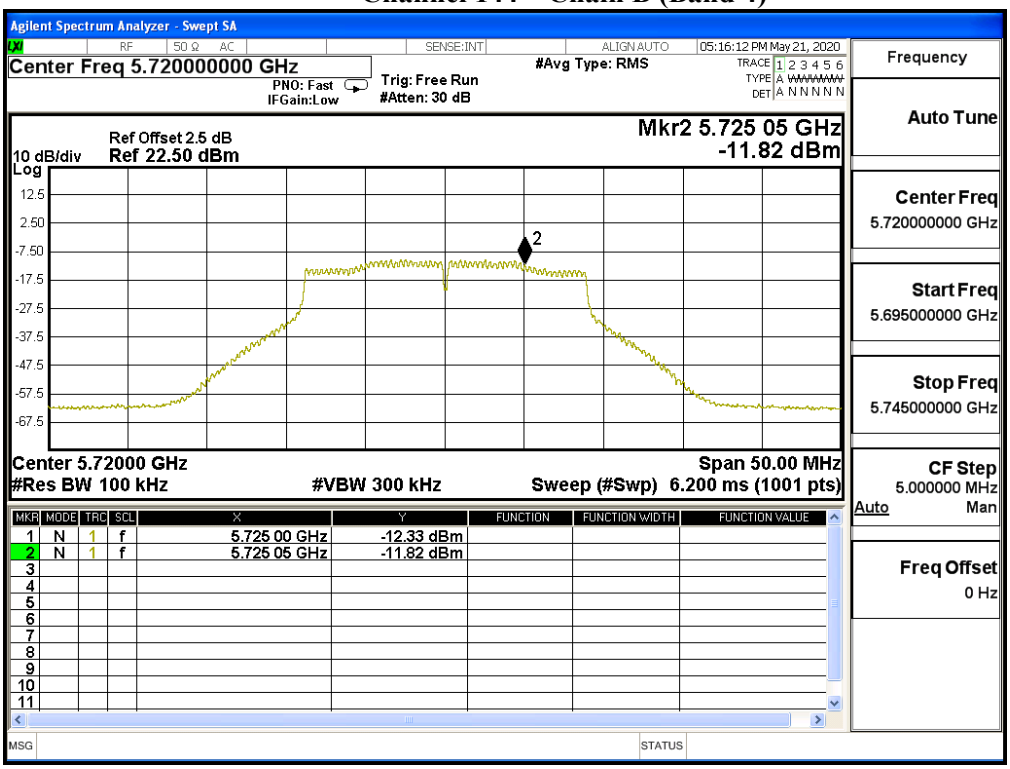
Channel 140 – Chain B



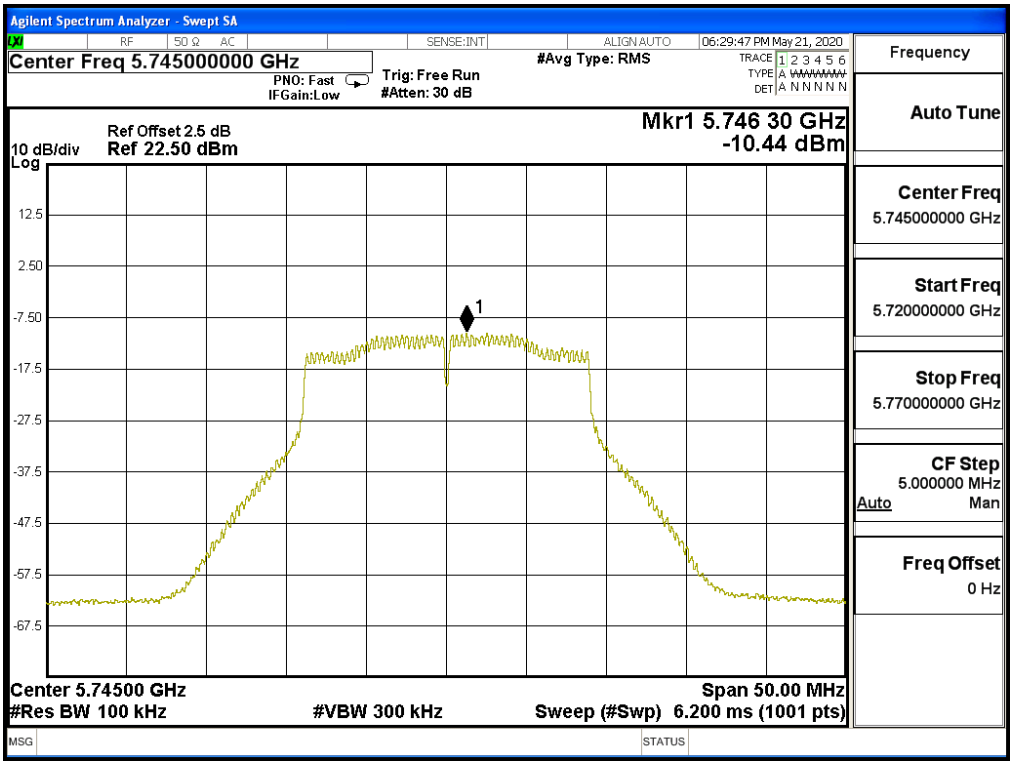
Channel 144 – Chain B (Band 3)



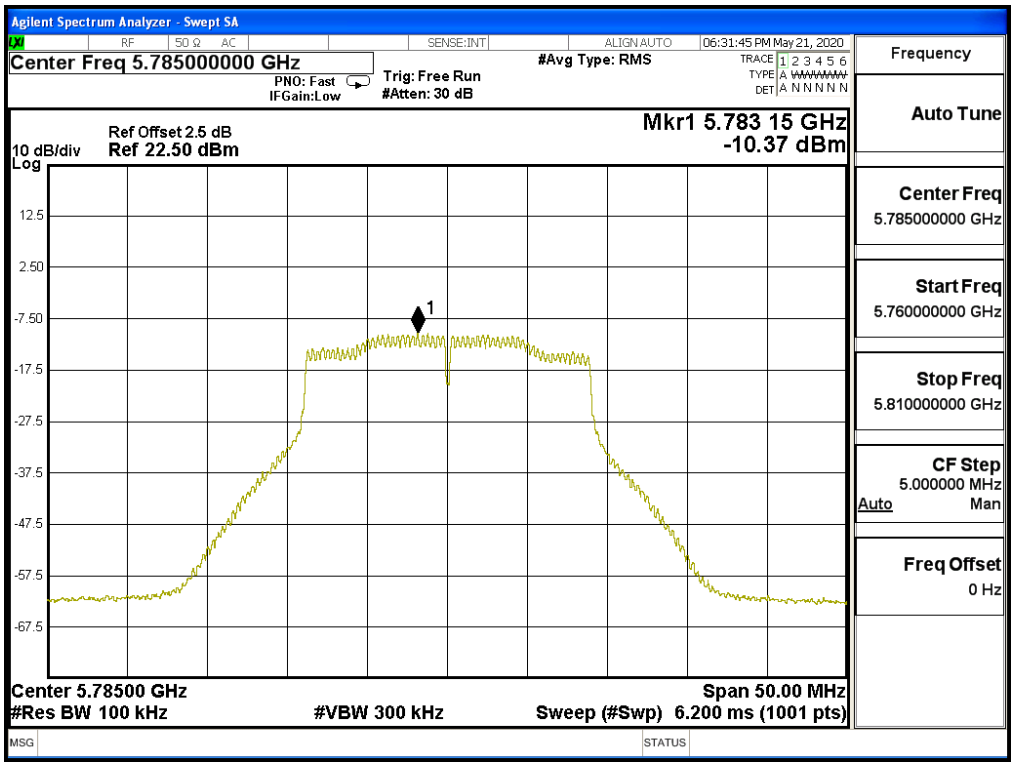
Channel 144 – Chain B (Band 4)



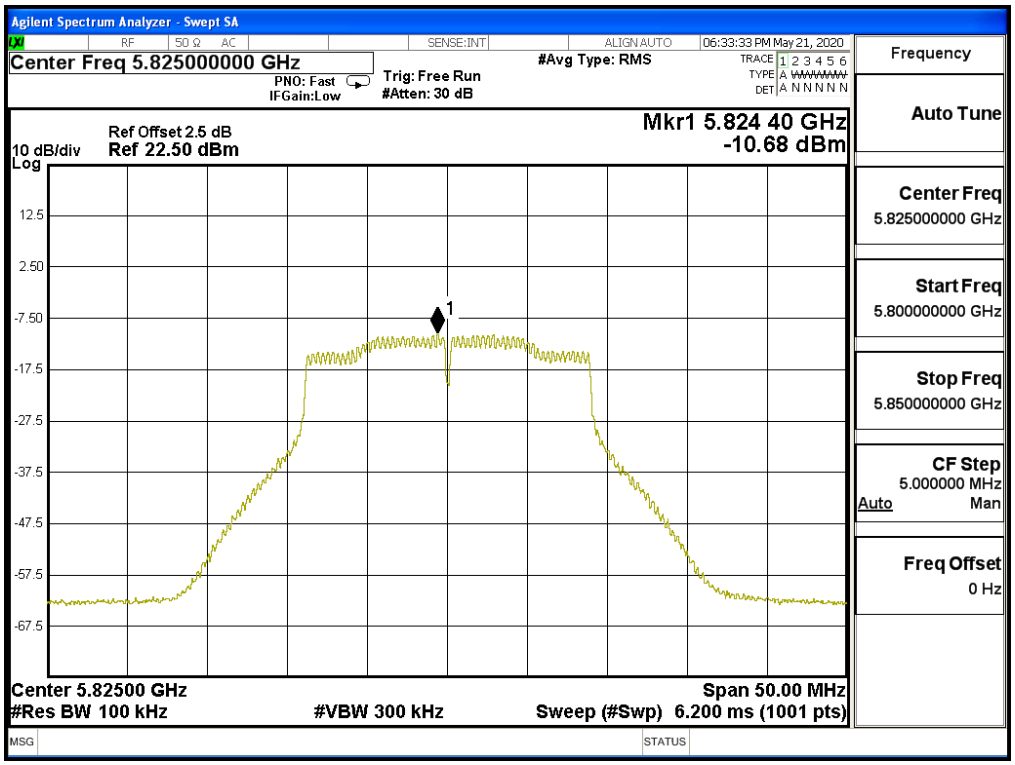
Channel 149 – Chain B



Channel 157 – Chain B



Channel 165 – Chain B



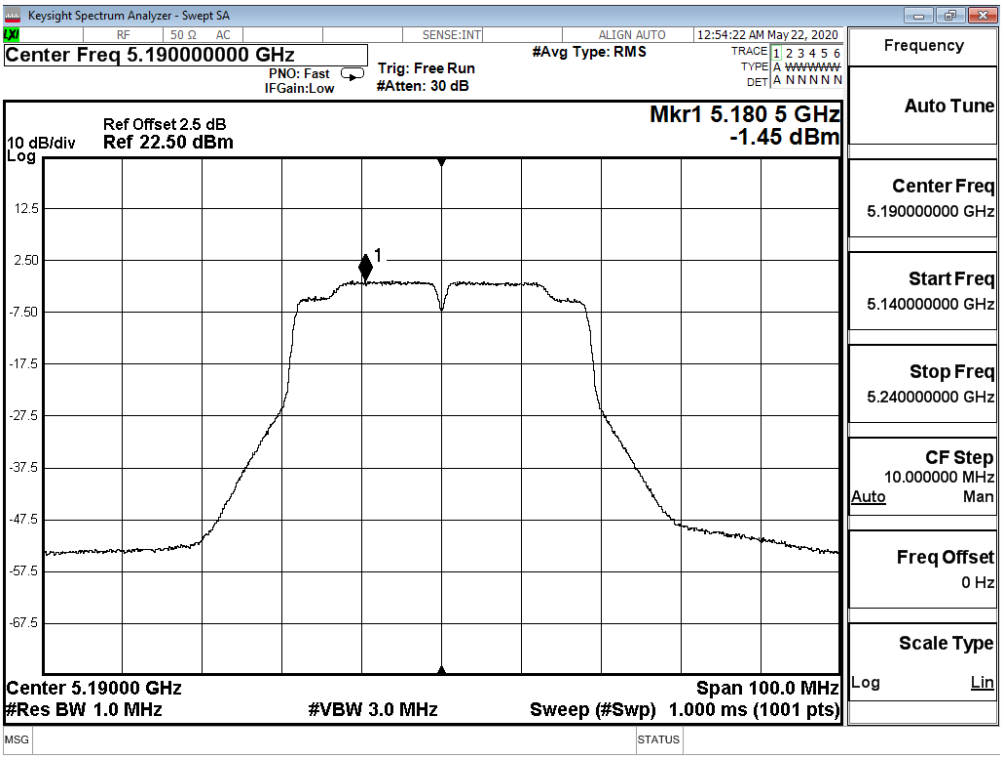
Product : Portable computer
Test Item : Peak Power Spectral Density
Test Mode : Mode 20 MIMO: Transmit (802.11n-40BW_30Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PPSD (dBm)	Required Limit (dBm)	Result
38	5190	A	-1.45	1.56	11	Pass
		B	-1.74	1.27	11	Pass
46	5230	A	-1.99	1.02	11	Pass
		B	-1.73	1.28	11	Pass
54	5270	A	-2.01	1.00	11	Pass
		B	-1.57	1.44	11	Pass
62	5310	A	-5.09	-2.08	11	Pass
		B	-4.45	-1.44	11	Pass
102	5510	A	-5.29	-2.28	11	Pass
		B	-4.15	-1.14	11	Pass
110	5550	A	-2.54	0.47	11	Pass
		B	-1.46	1.55	11	Pass
134	5670	A	-5.57	-2.56	11	Pass
		B	-4.67	-1.66	11	Pass
142(Band3)	5710	A	-2.01	1.00	11	Pass
		B	-1.72	1.29	11	Pass

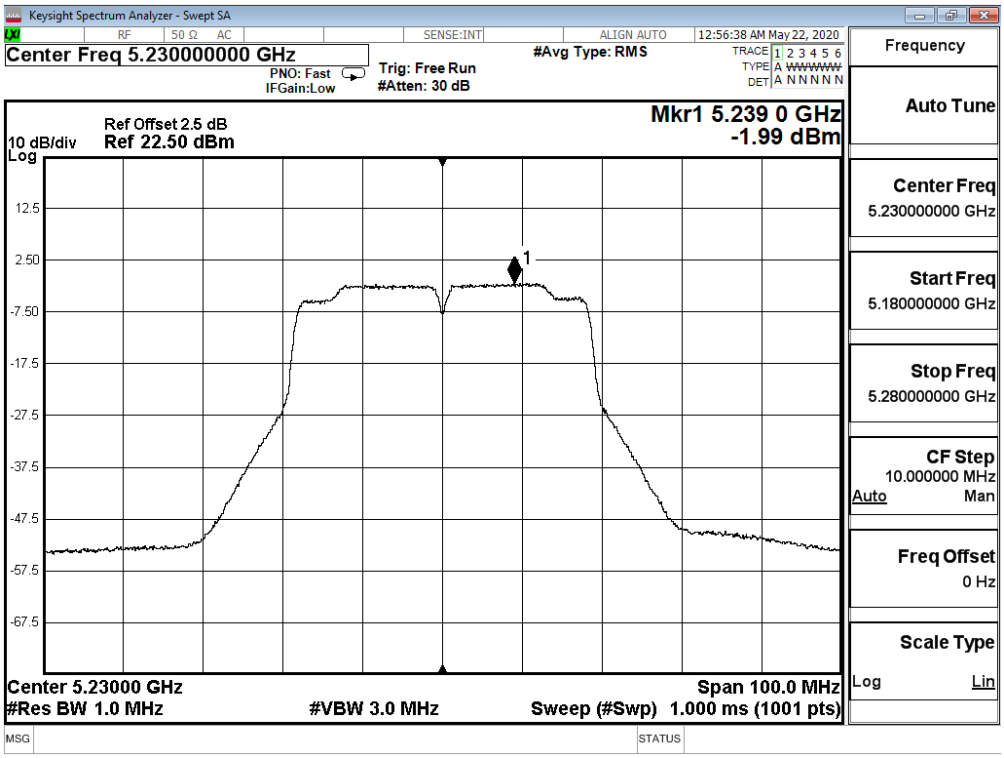
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
142(Band4)	5710	A	-14.57	6.98	-4.58	<30	Pass
		B	-14.14	6.98	-4.15	<30	Pass
151	5755	A	-14.61	6.98	-4.62	<30	Pass
		B	-14.10	6.98	-4.11	<30	Pass
159	5795	A	-14.70	6.98	-4.71	<30	Pass
		B	-14.12	6.98	-4.13	<30	Pass

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

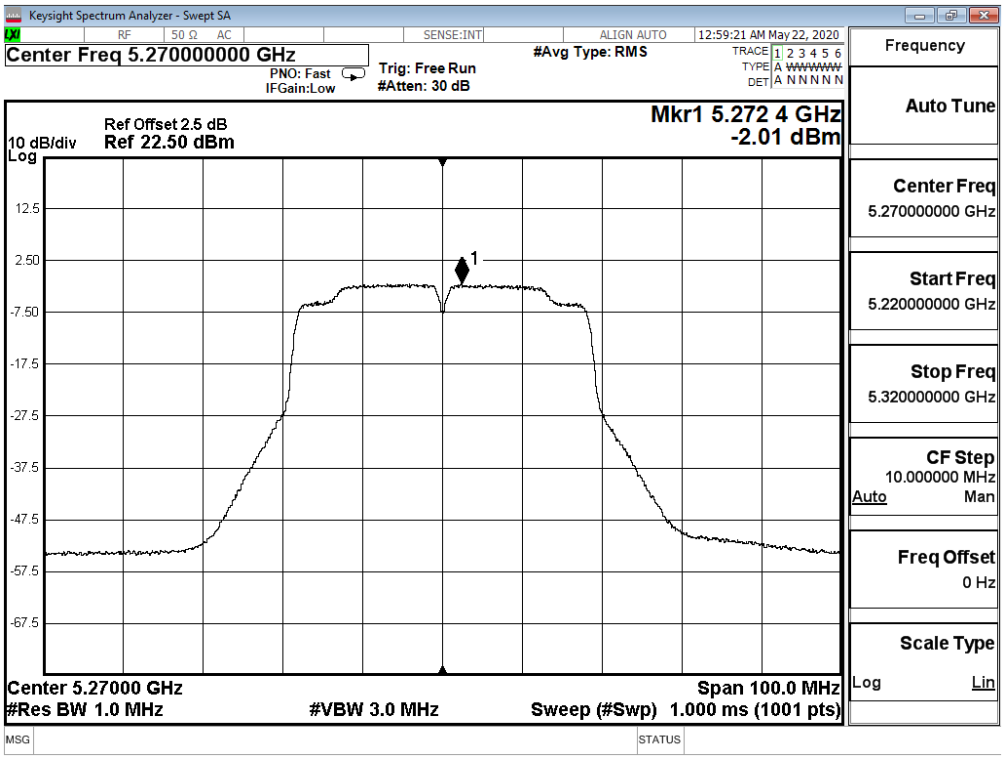
Channel 38 – Chain A



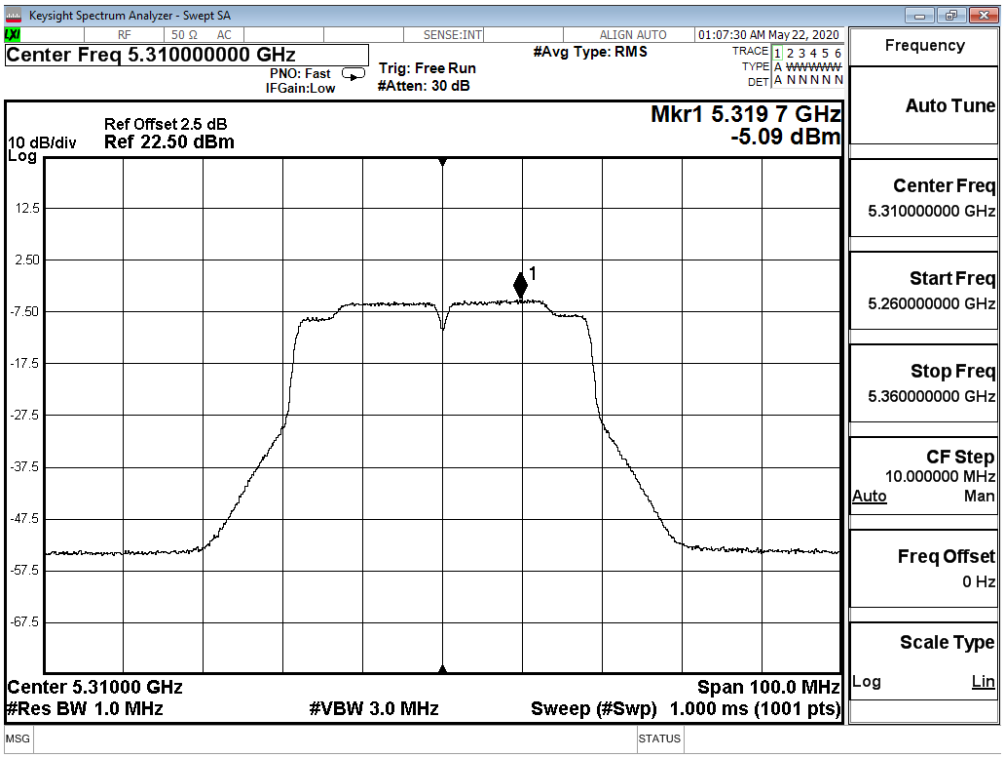
Channel 46 – Chain A



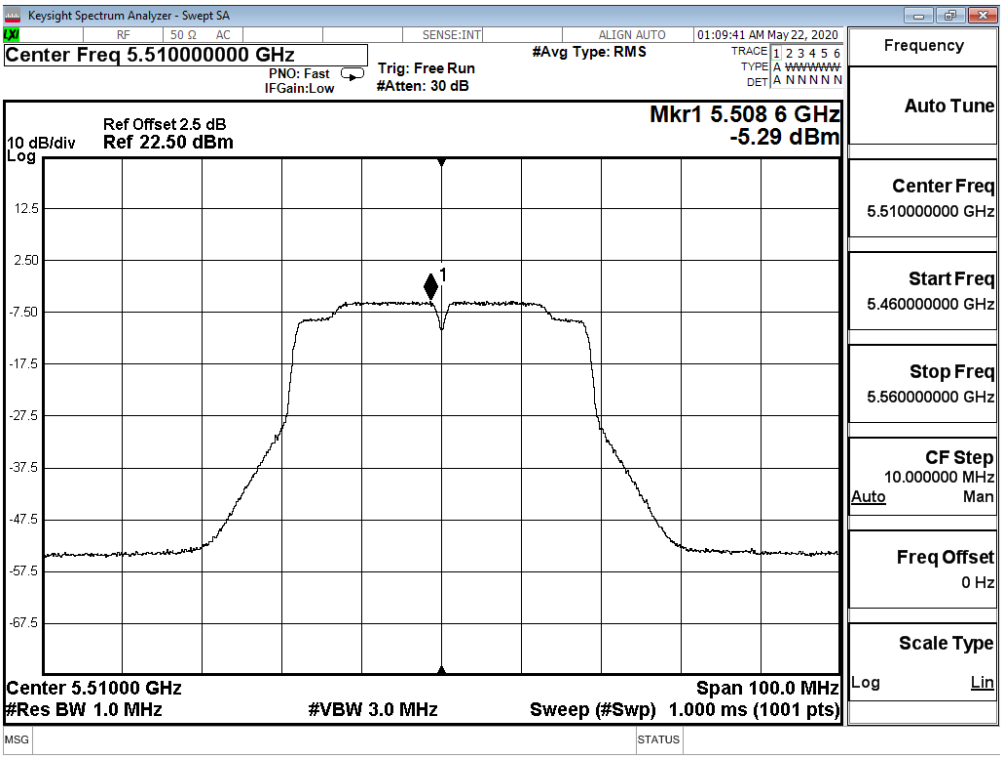
Channel 54 – Chain A



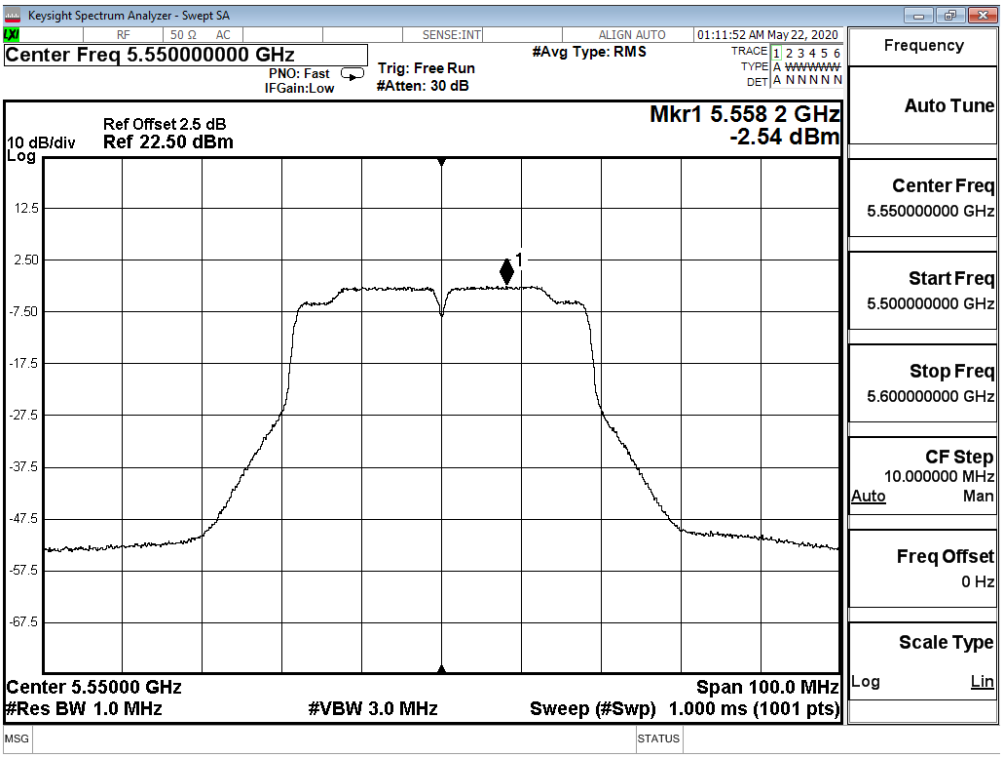
Channel 62 – Chain A



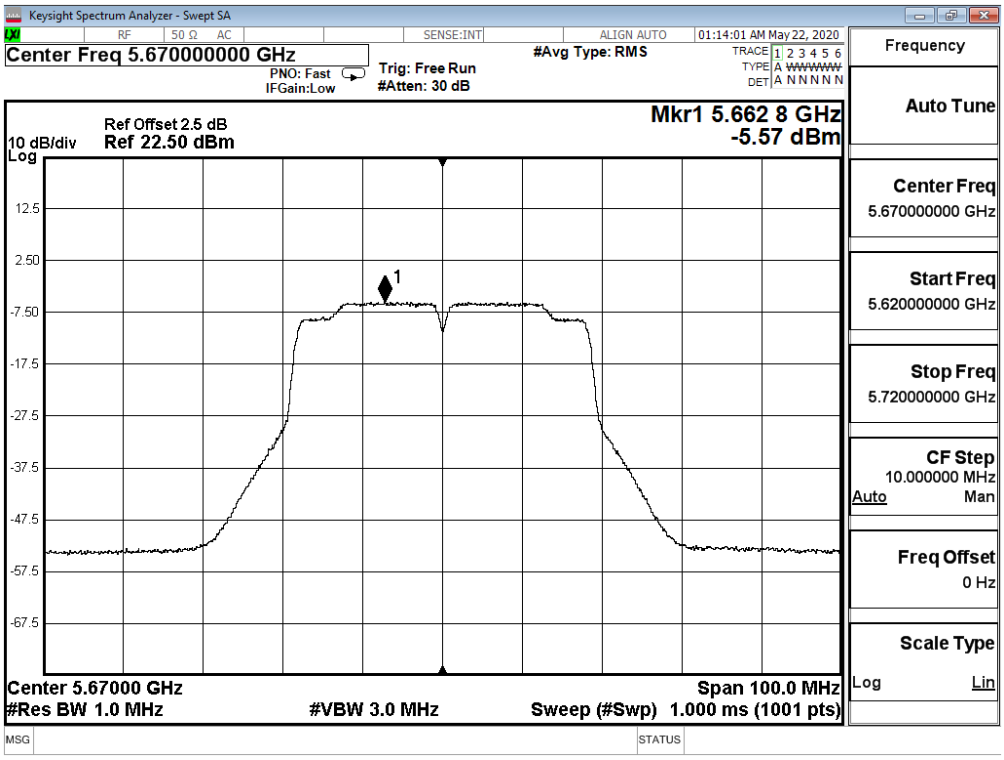
Channel 102 – Chain A



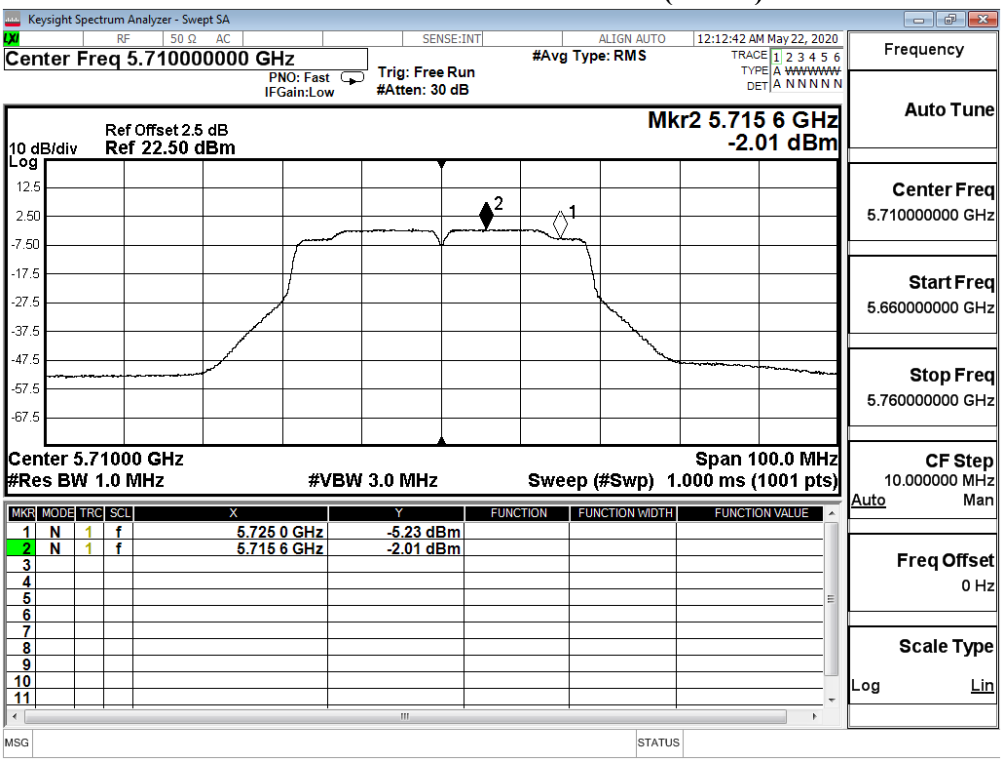
Channel 110 – Chain A



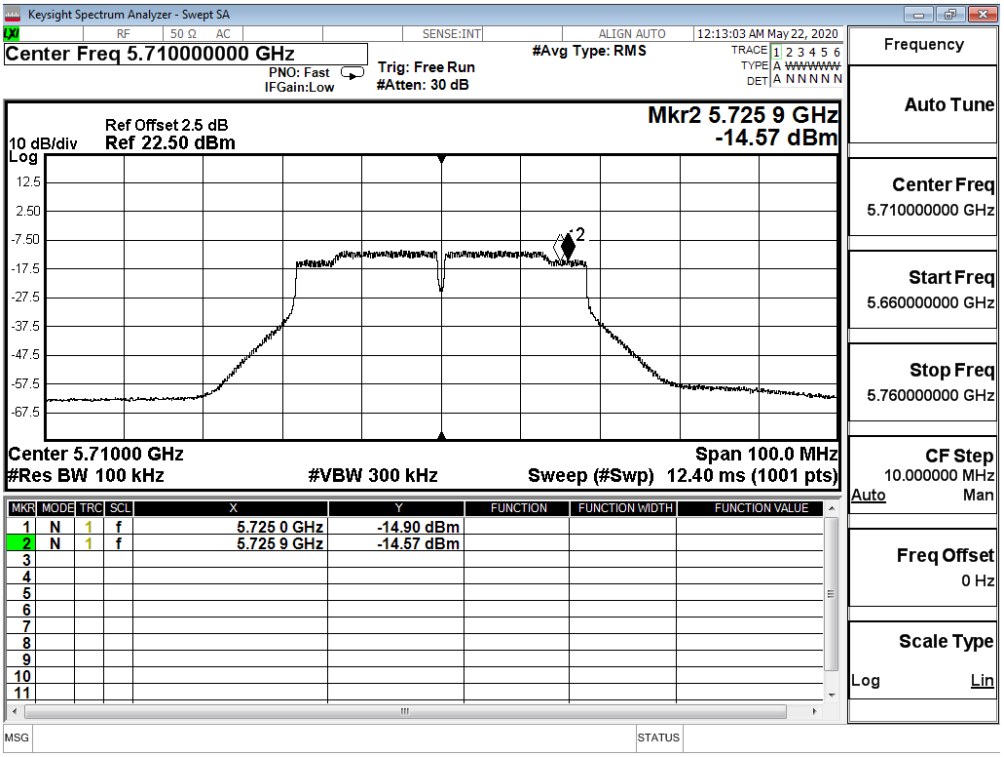
Channel 134 – Chain A



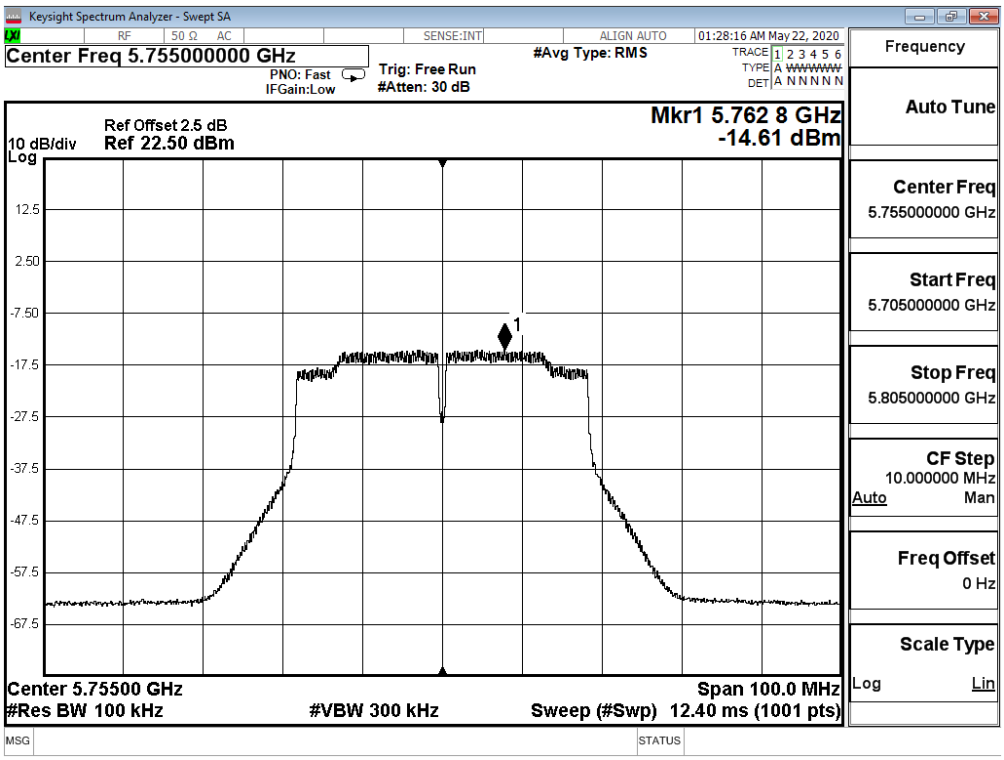
Channel 142 – Chain A (Band3)



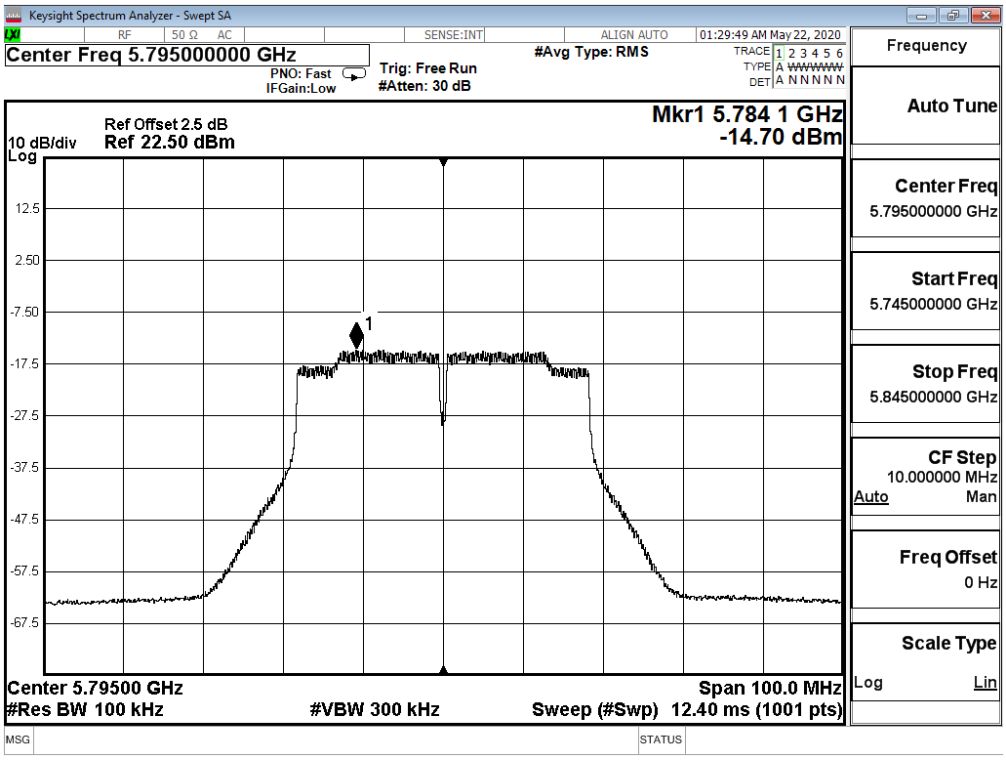
Channel 142 – Chain A (Band4)



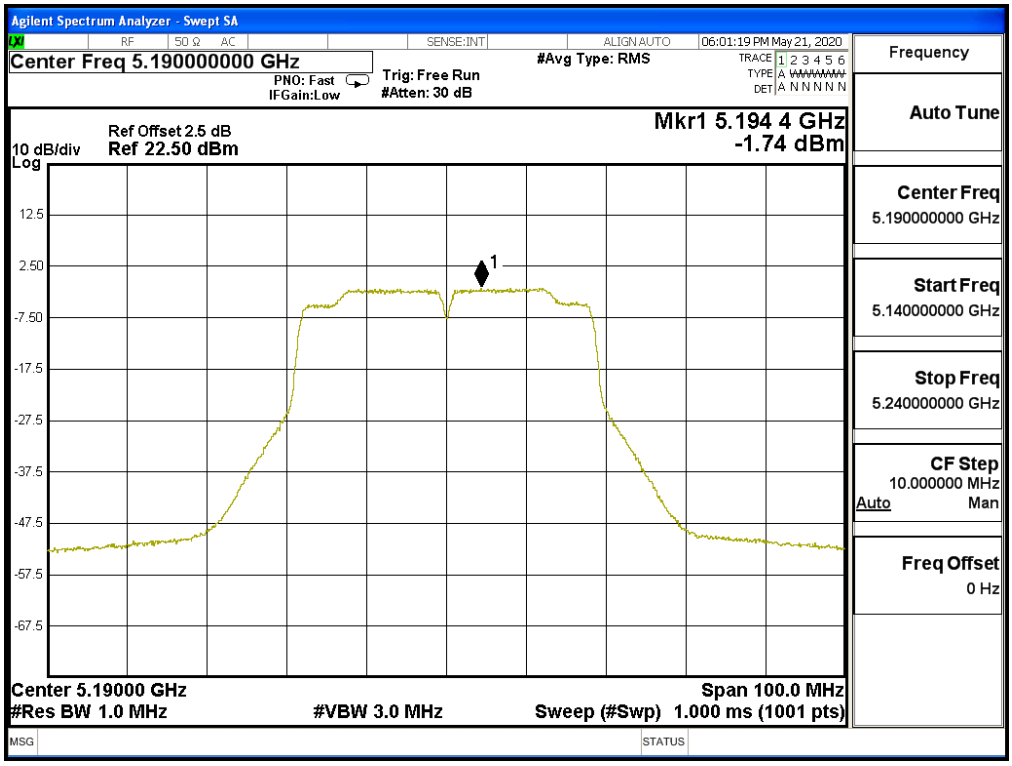
Channel 151 – Chain A



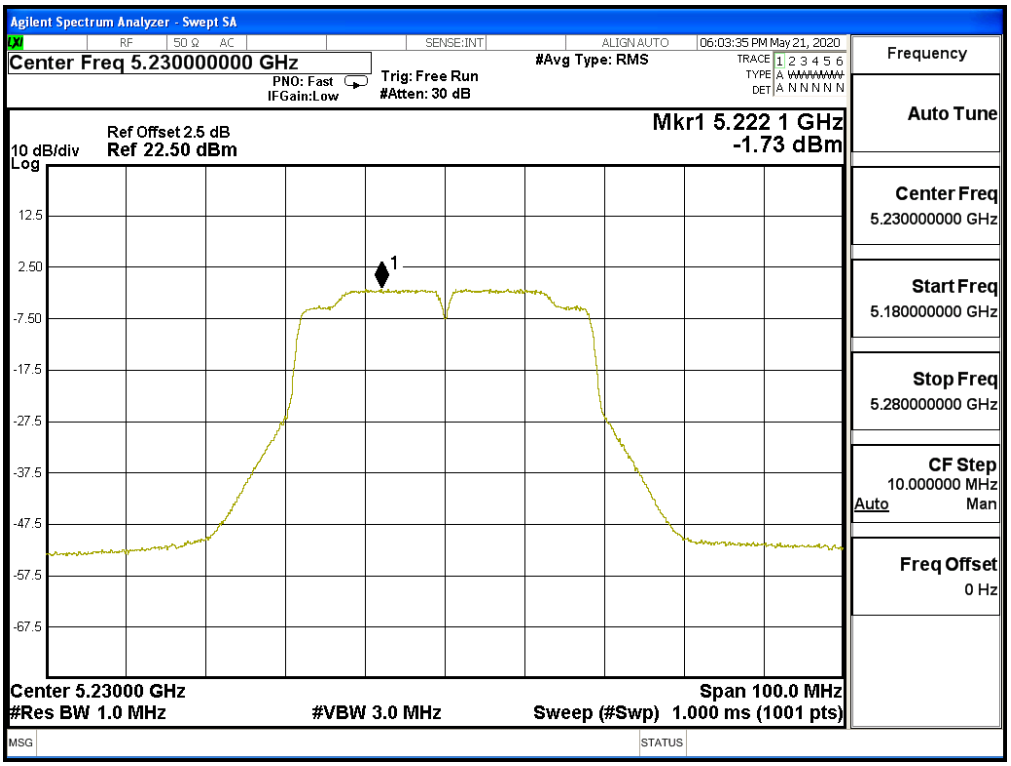
Channel 159 – Chain A



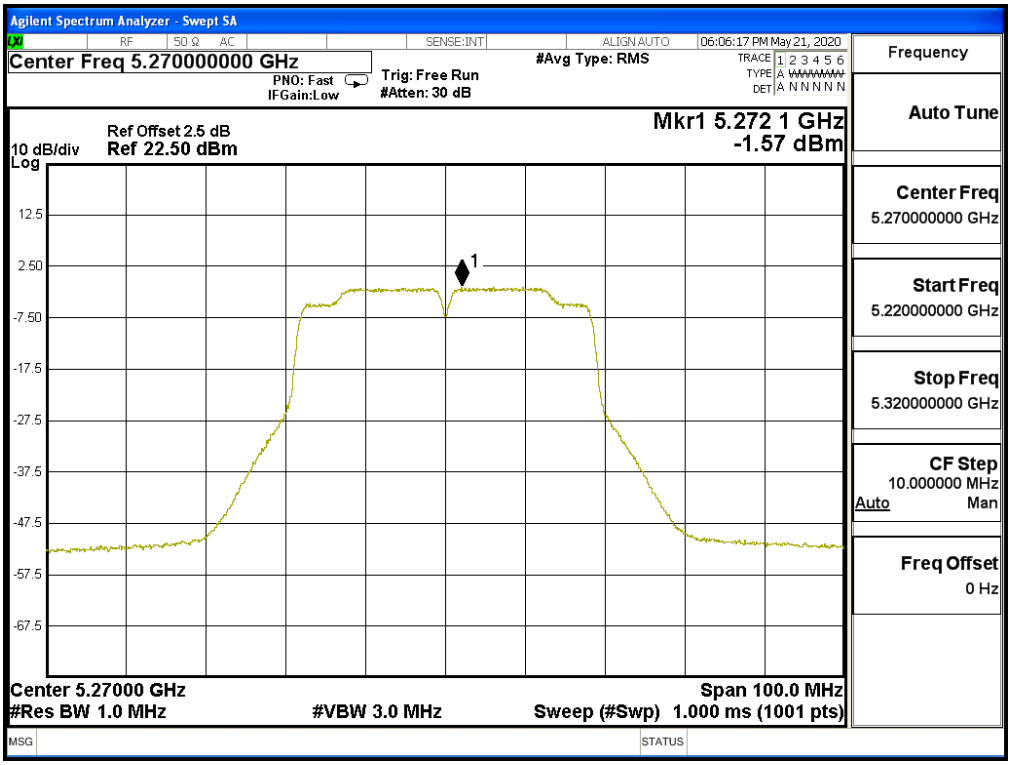
Channel 38 – Chain B



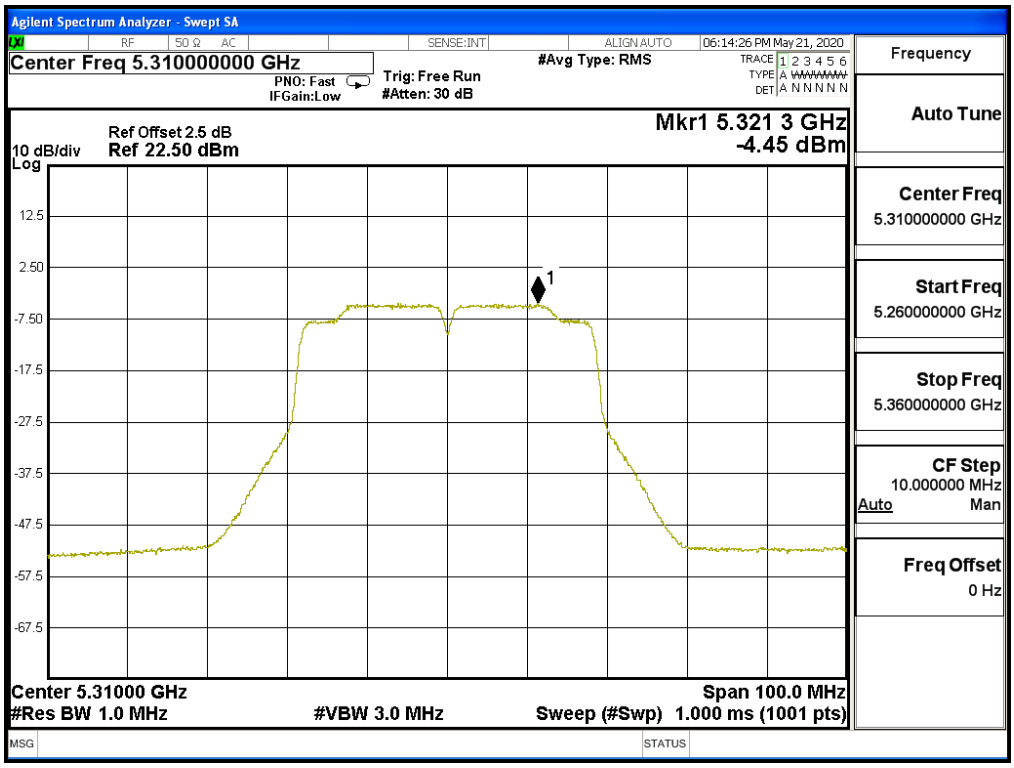
Channel 46 – Chain B



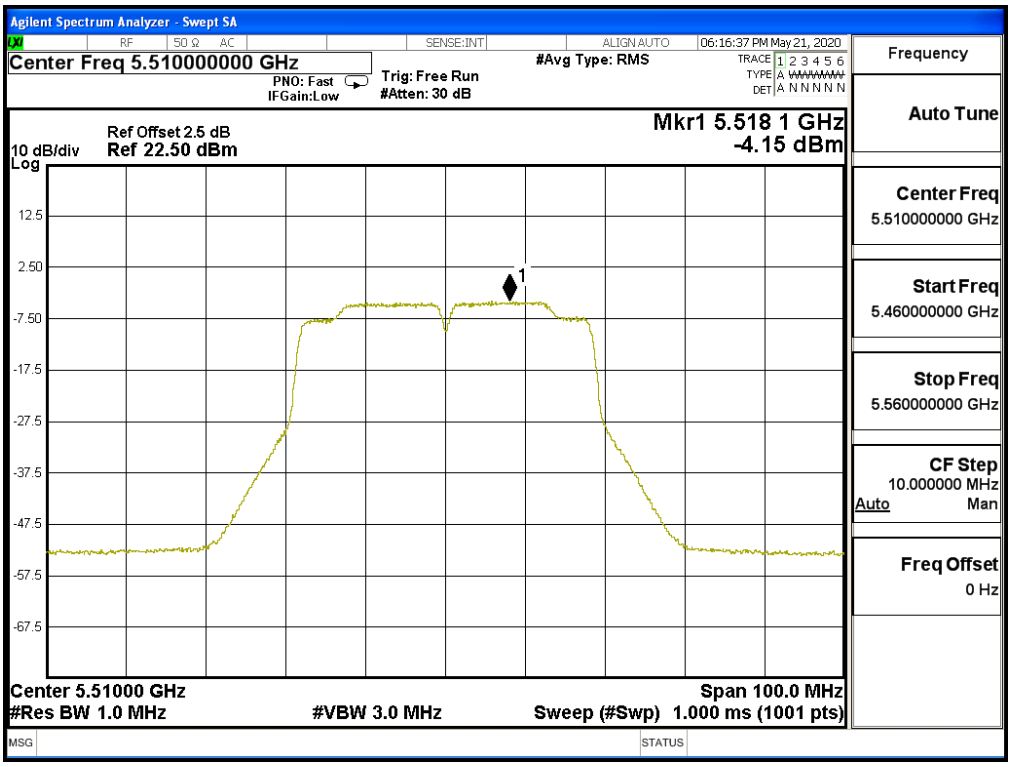
Channel 54 – Chain B



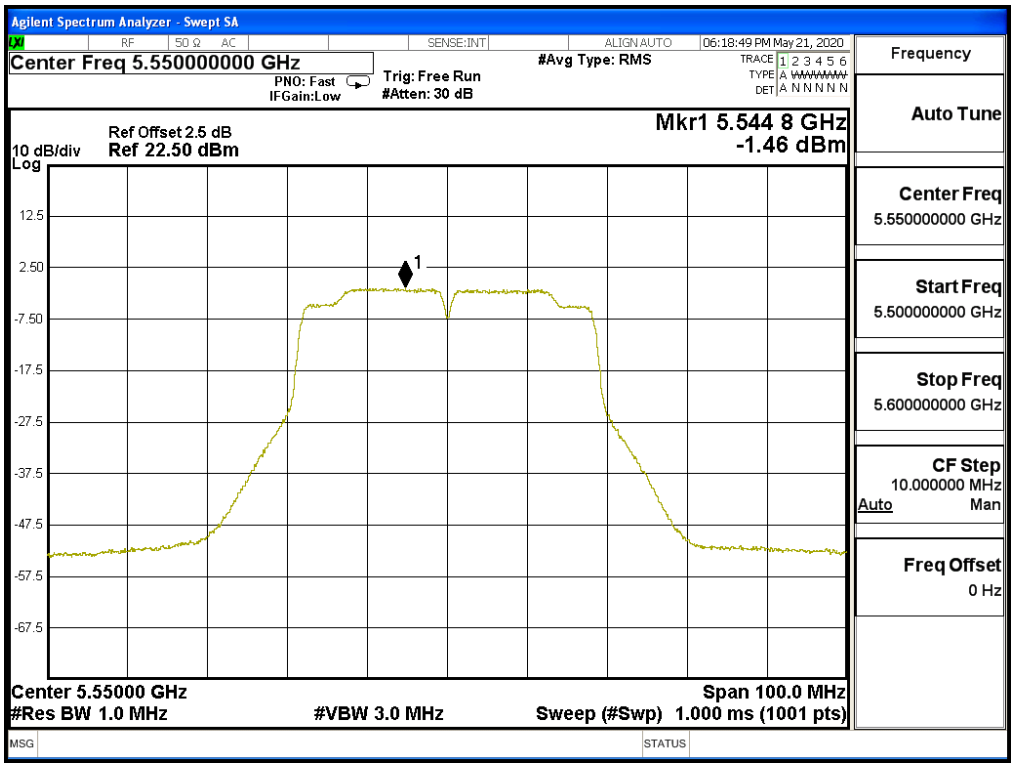
Channel 62 – Chain B



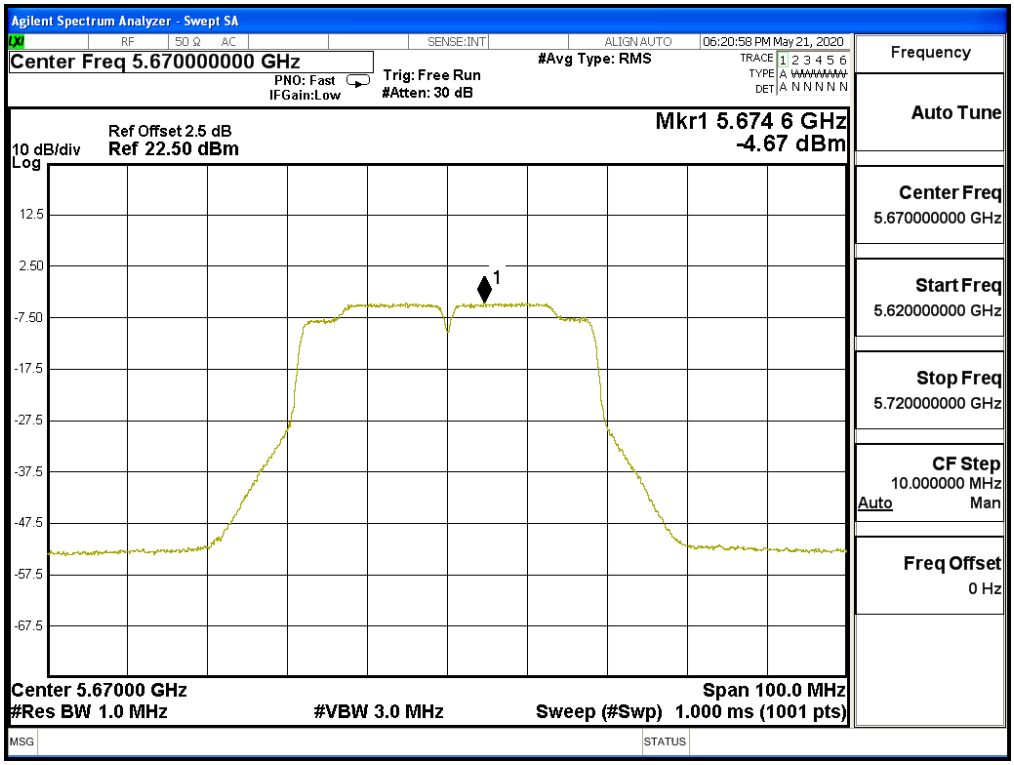
Channel 102 – Chain B



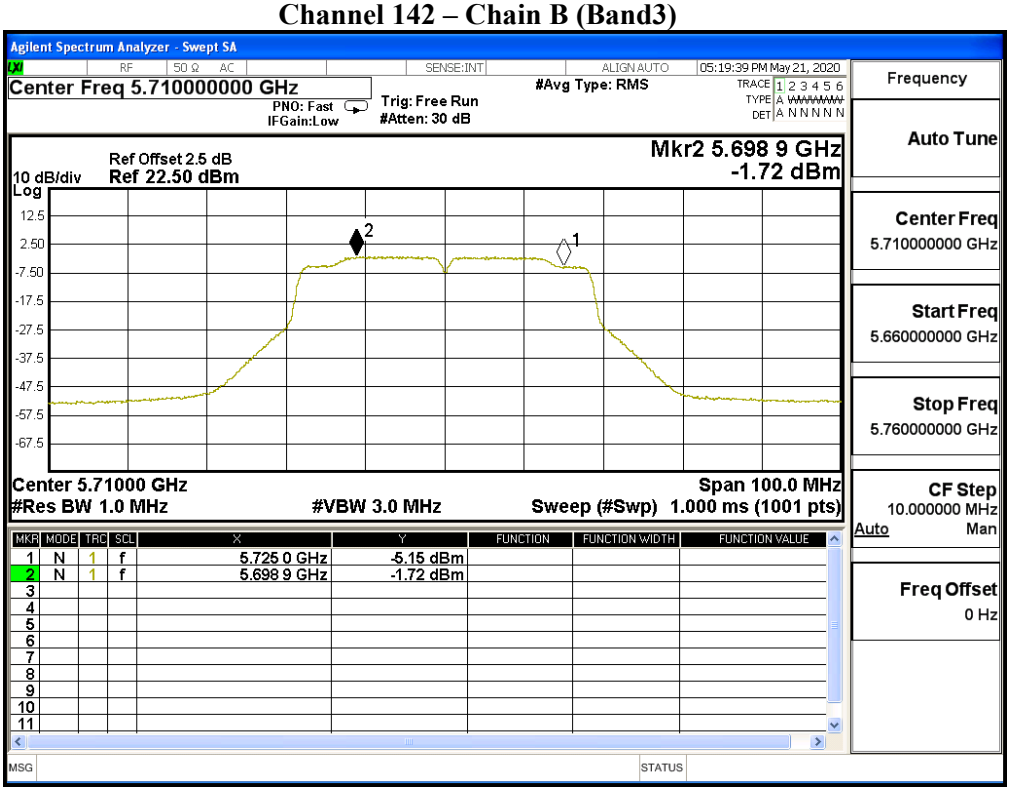
Channel 110 – Chain B



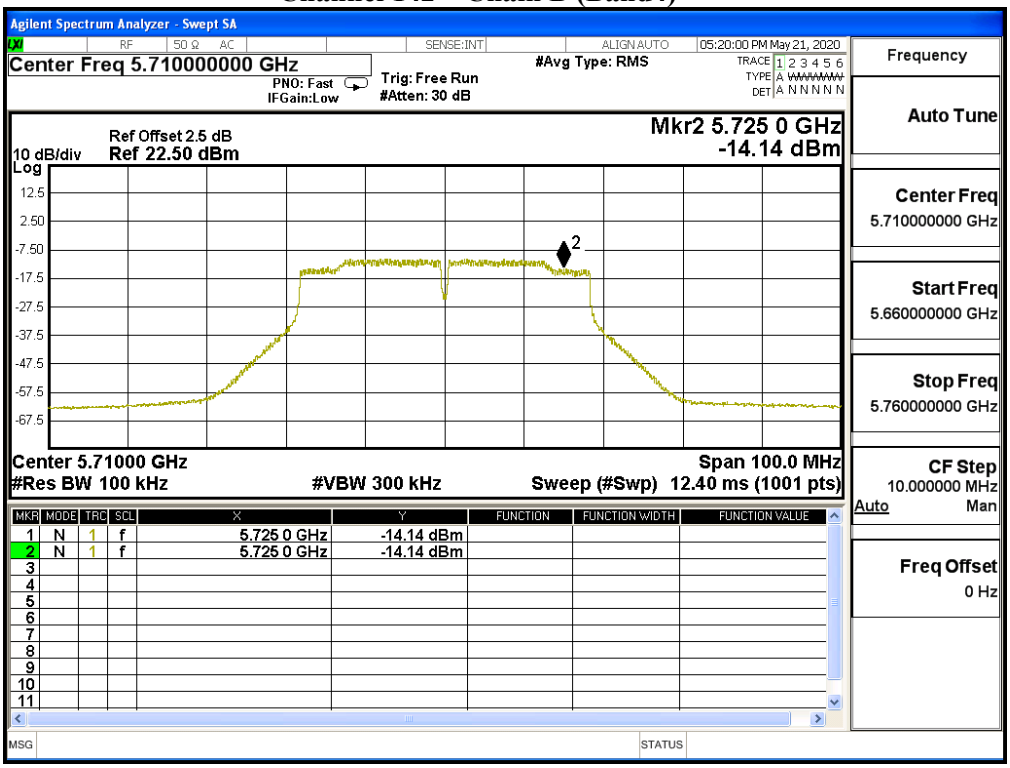
Channel 134 – Chain B



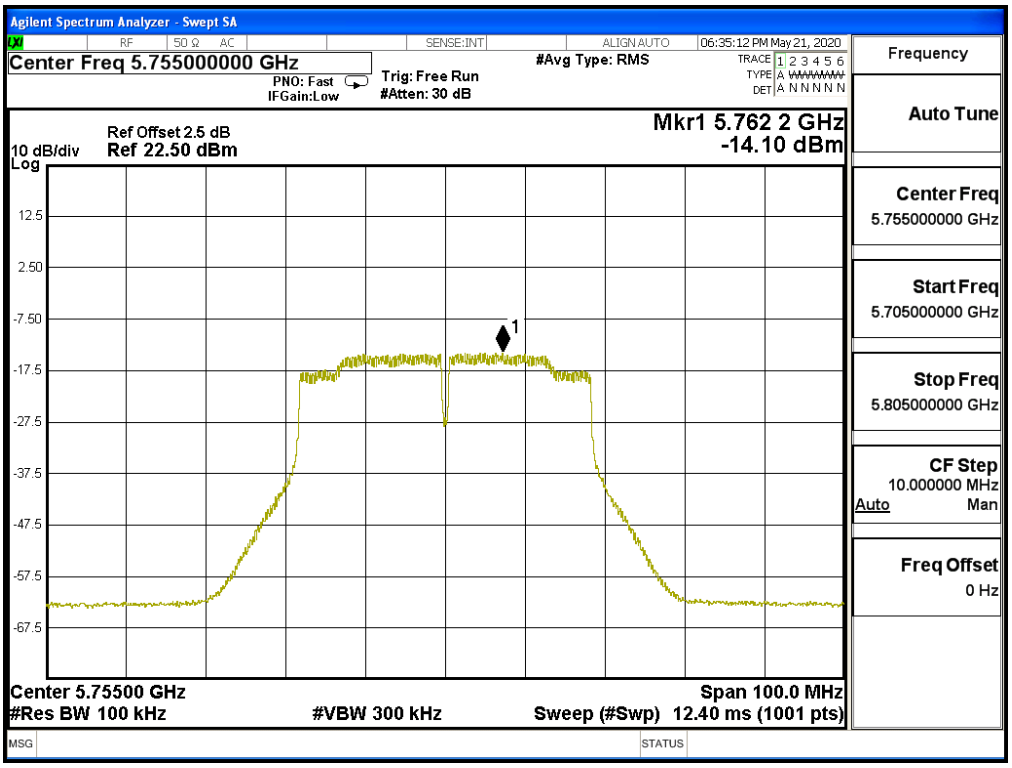
Channel 142 – Chain B (Band3)



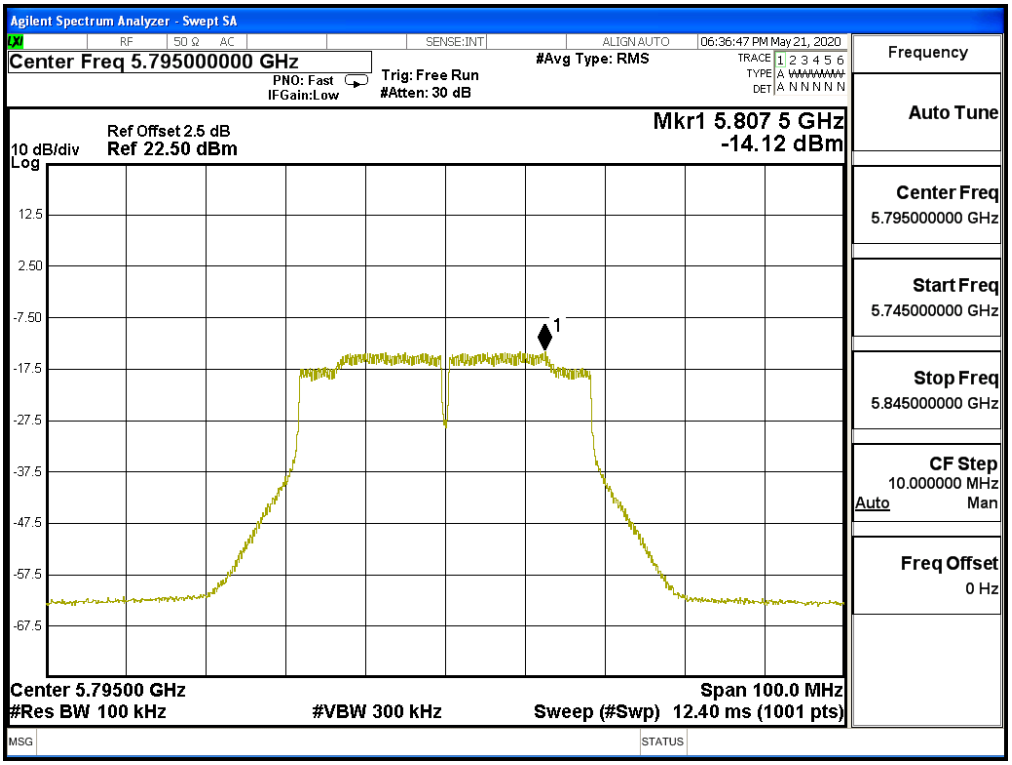
Channel 142 – Chain B (Band4)



Channel 151 – Chain B



Channel 159 – Chain B



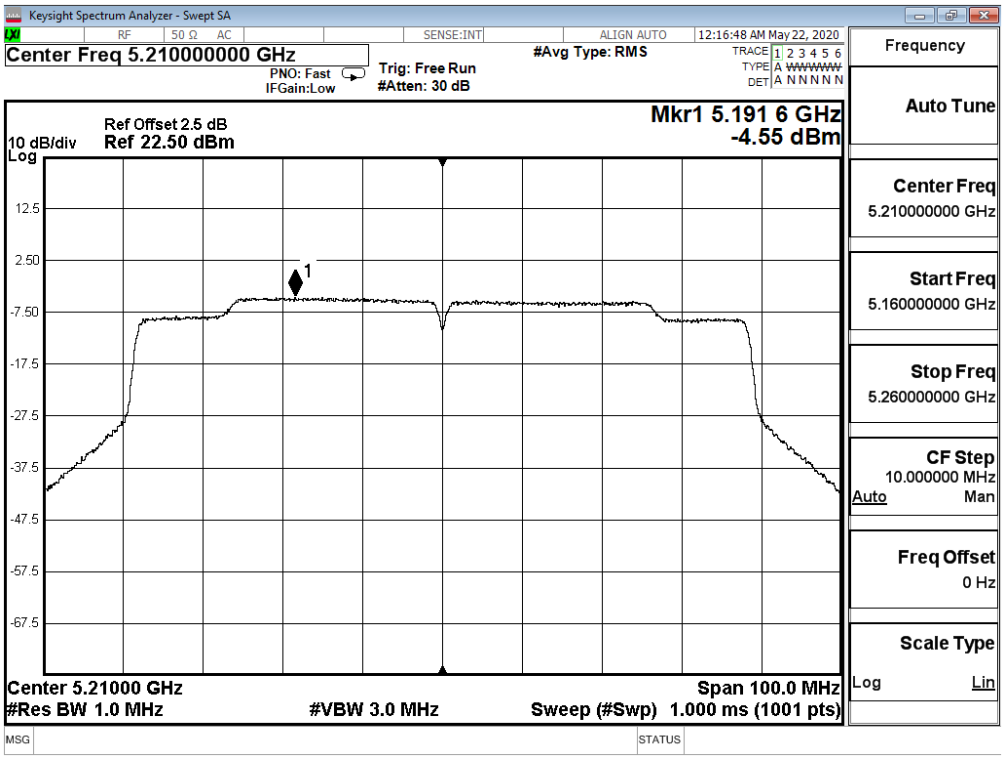
Product : Portable computer
Test Item : Peak Power Spectral Density
Test Mode : Mode 21 MIMO: Transmit (802.11ac-80BW_65Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PPSD (dBm)	Required Limit (dBm)	Result
42	5210	A	-4.55	-1.54	11	Pass
		B	-4.34	-1.33	11	Pass
58	5290	A	-4.59	-1.58	11	Pass
		B	-4.23	-1.22	11	Pass
106	5530	A	-5.33	-2.32	11	Pass
		B	-3.93	-0.92	11	Pass
122	5610	A	-8.13	-5.12	11	Pass
		B	-7.42	-4.41	11	Pass
138(Band3)	5690	A	-5.00	-1.99	11	Pass
		B	-4.15	-1.14	11	Pass

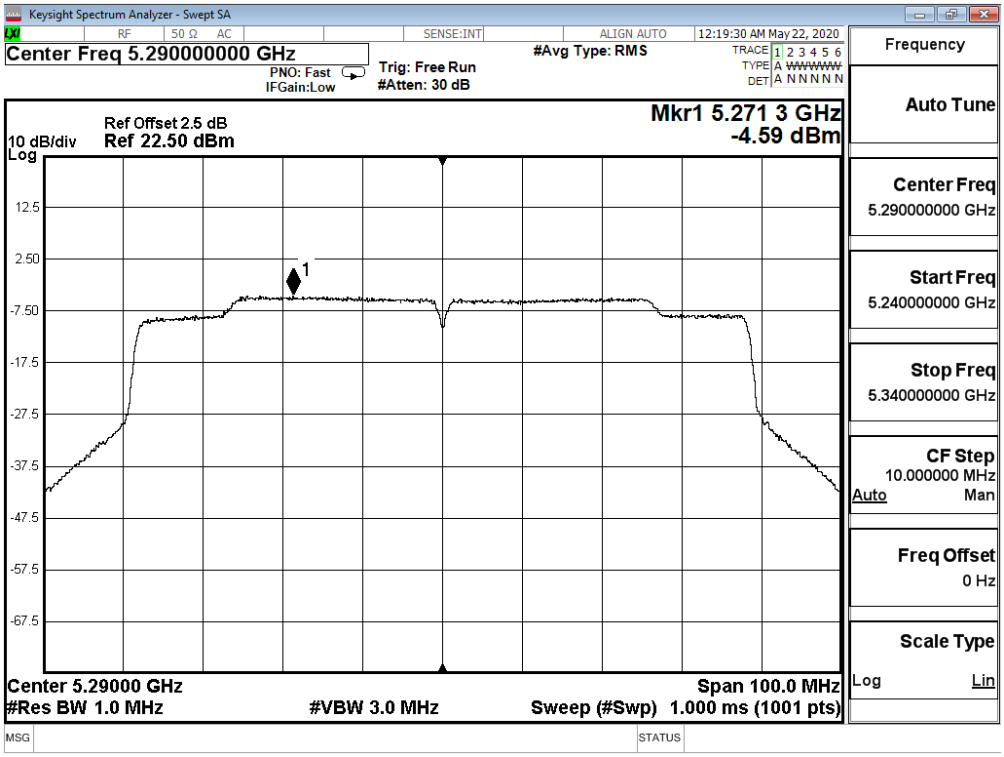
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
138(Band4)	5690	A	-17.89	6.98	-7.90	<30	Pass
		B	-18.04	6.98	-8.05	<30	Pass
155	5775	A	-13.89	6.98	-3.90	<30	Pass
		B	-13.73	6.98	-3.74	<30	Pass

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

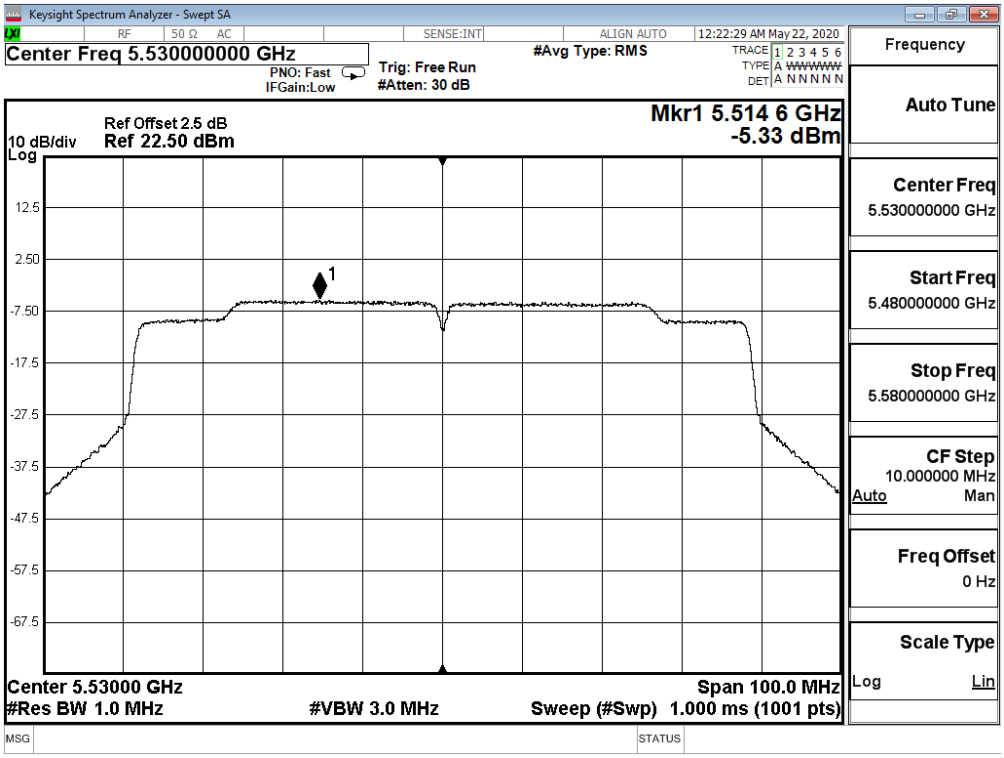
Channel 42 – Chain A



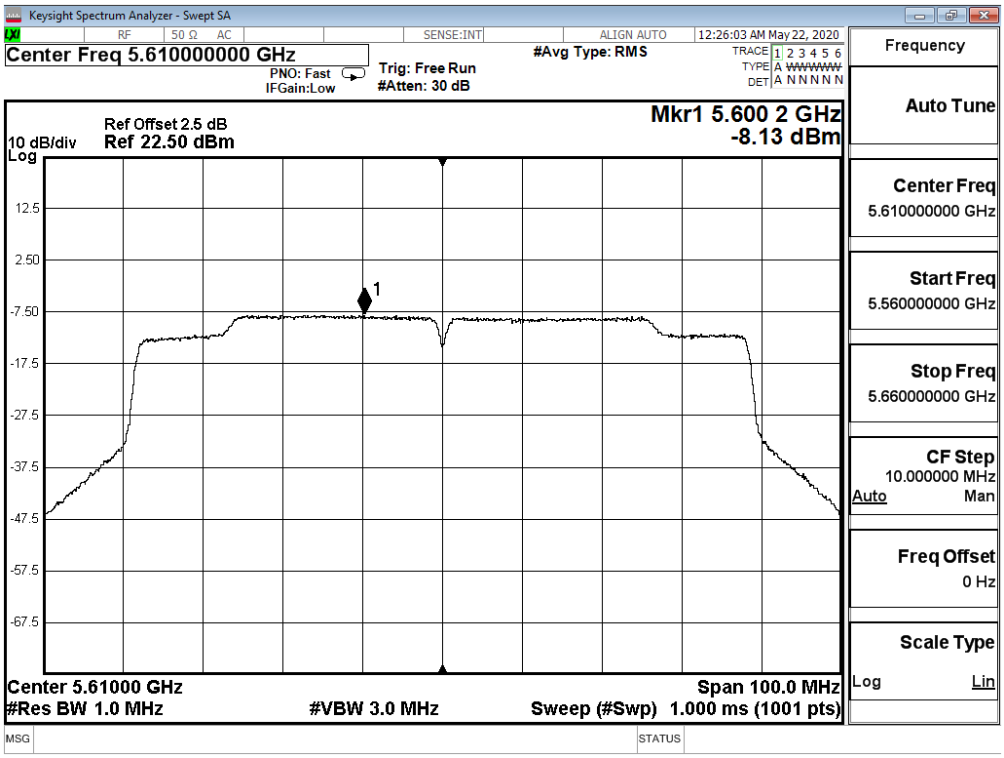
Channel 58 – Chain A



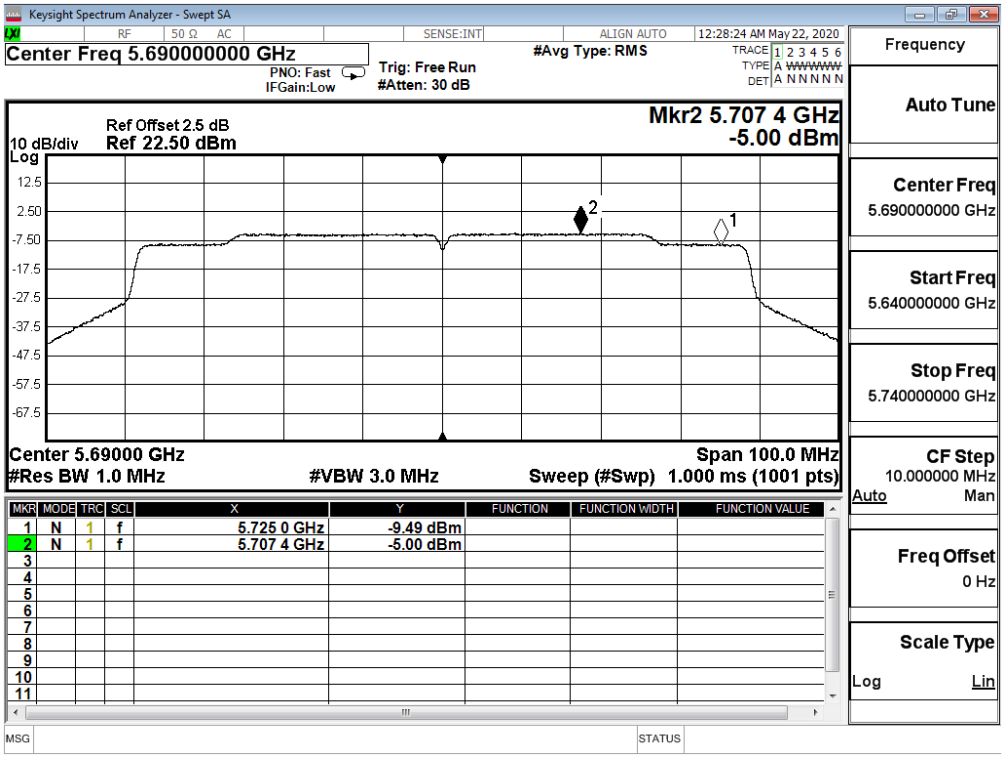
Channel 106 – Chain A



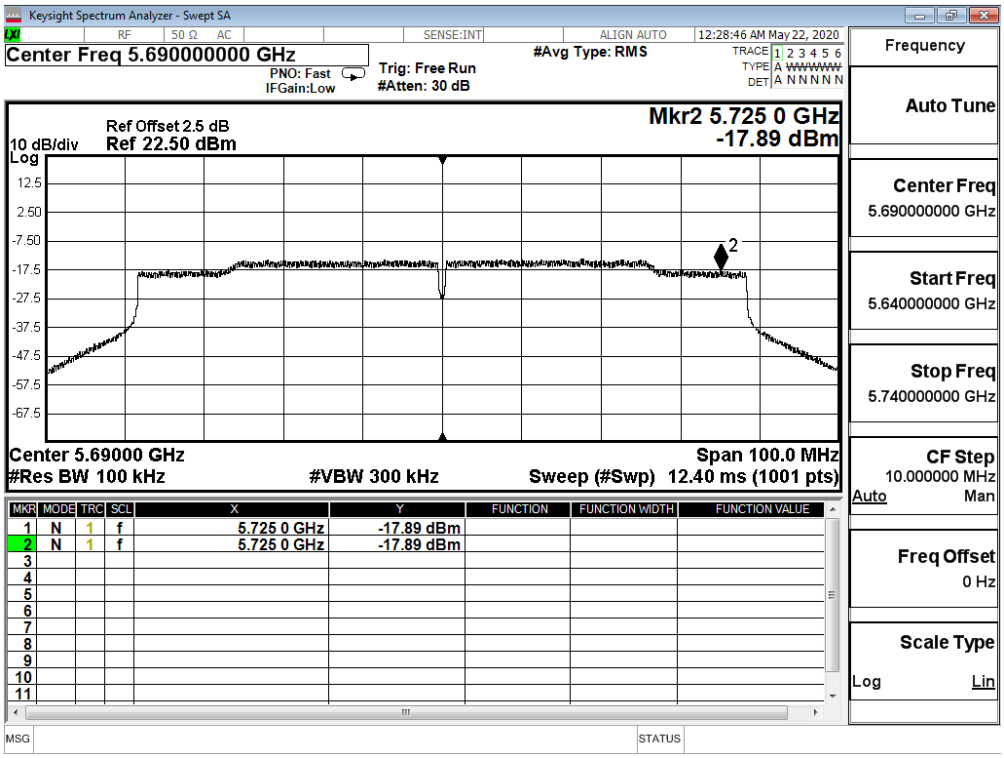
Channel 122 – Chain A



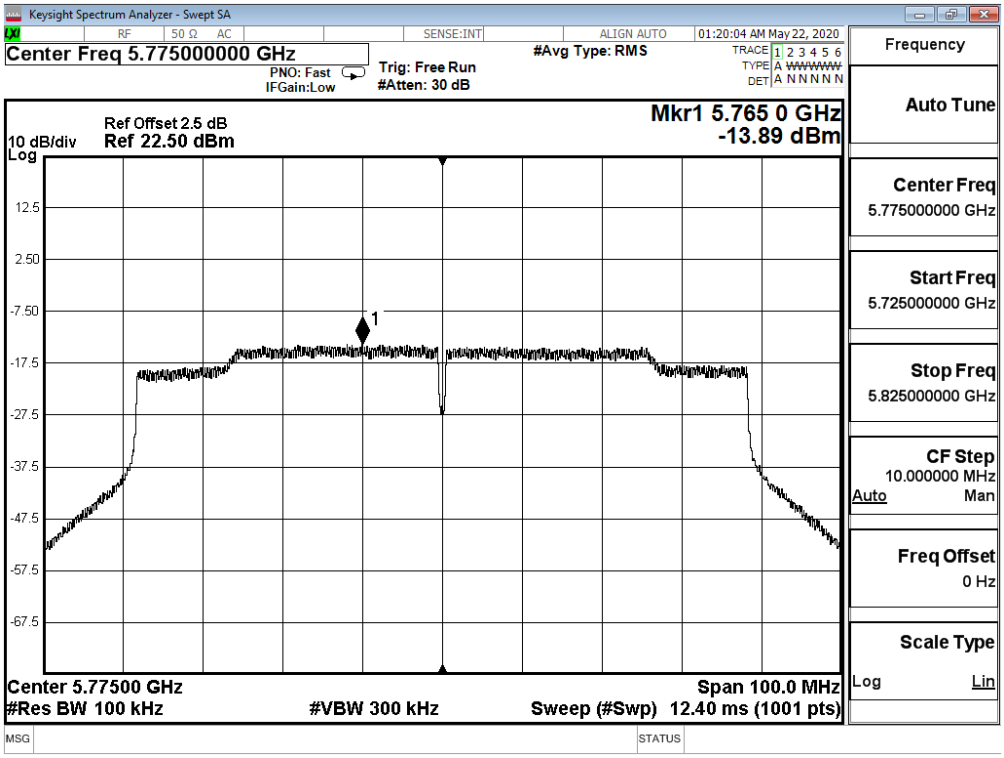
Channel 138 – Chain A (Band 3)



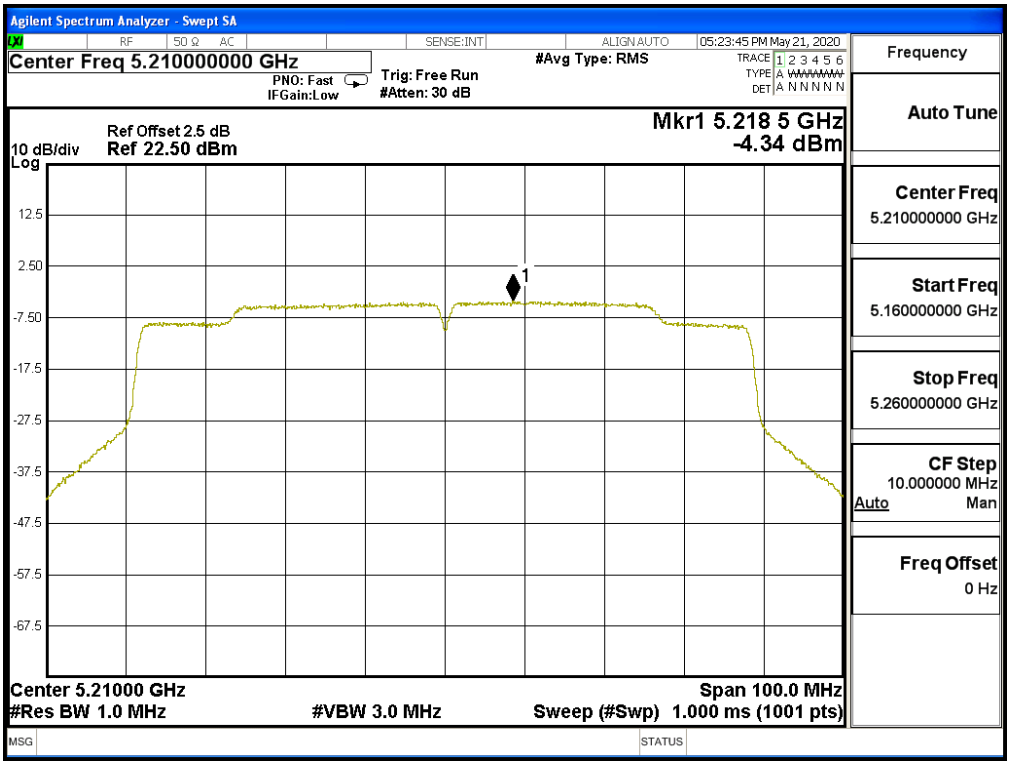
Channel 138 – Chain A (Band 4)



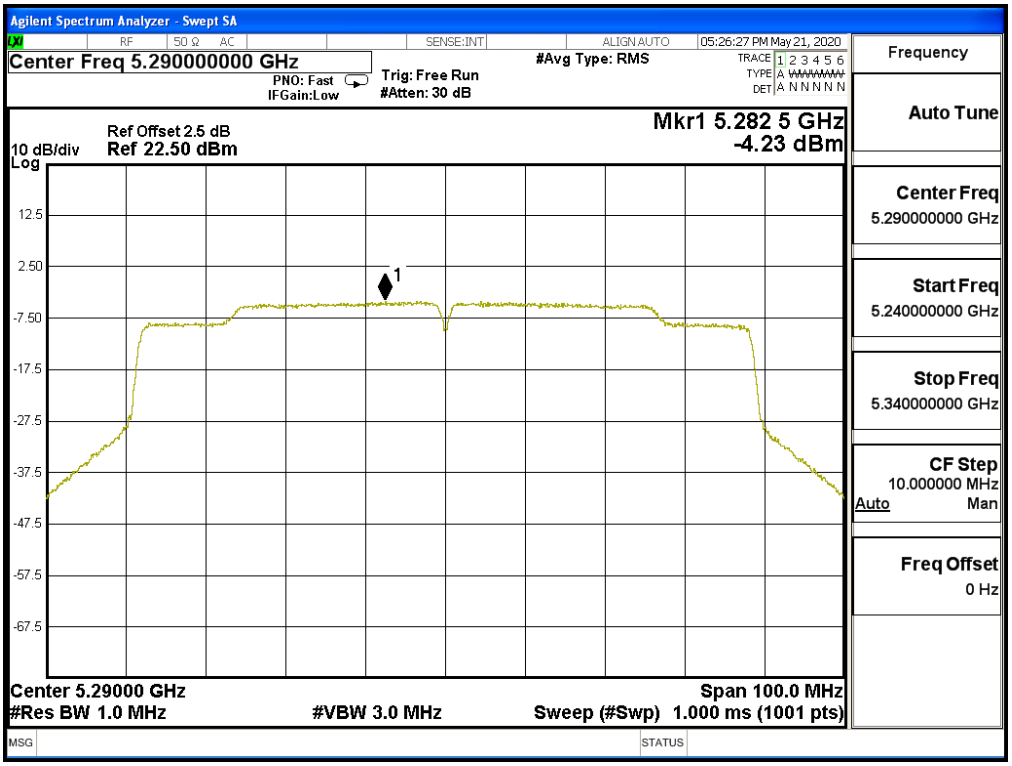
Channel 155 – Chain A



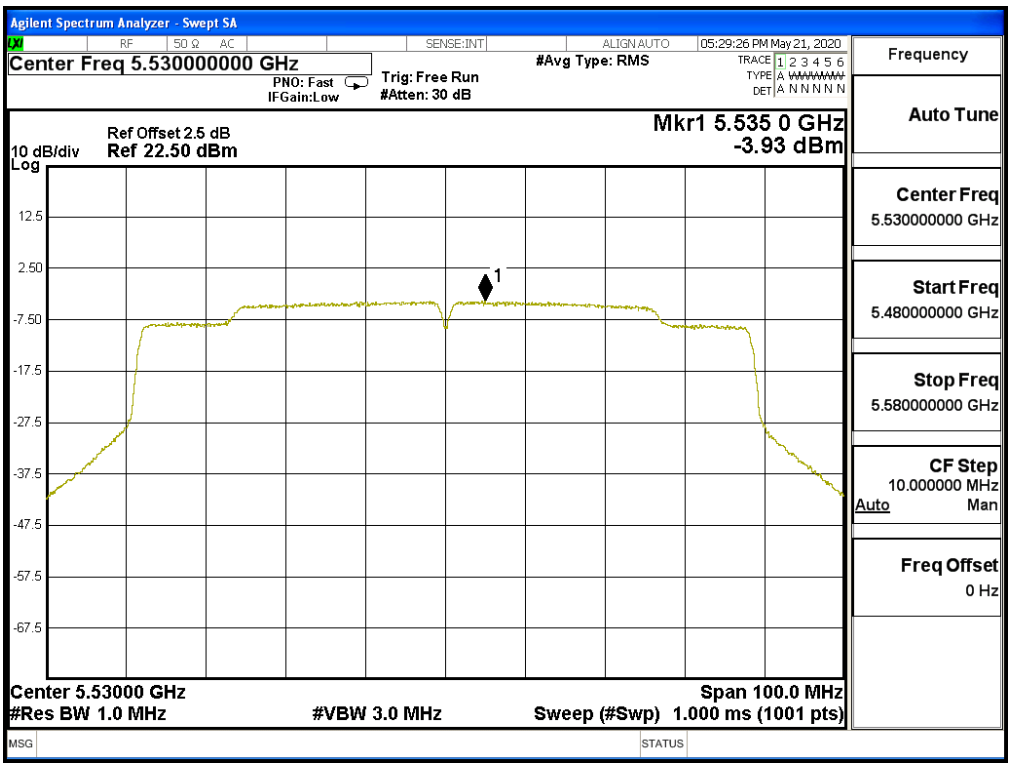
Channel 42 – Chain B



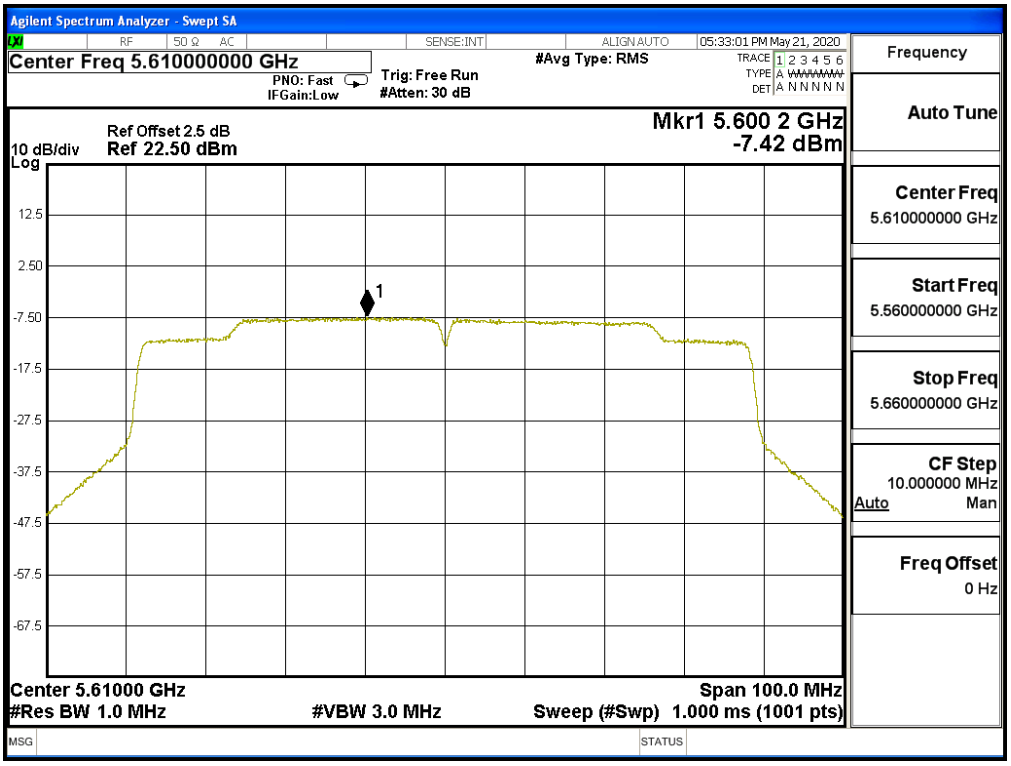
Channel 58 – Chain B



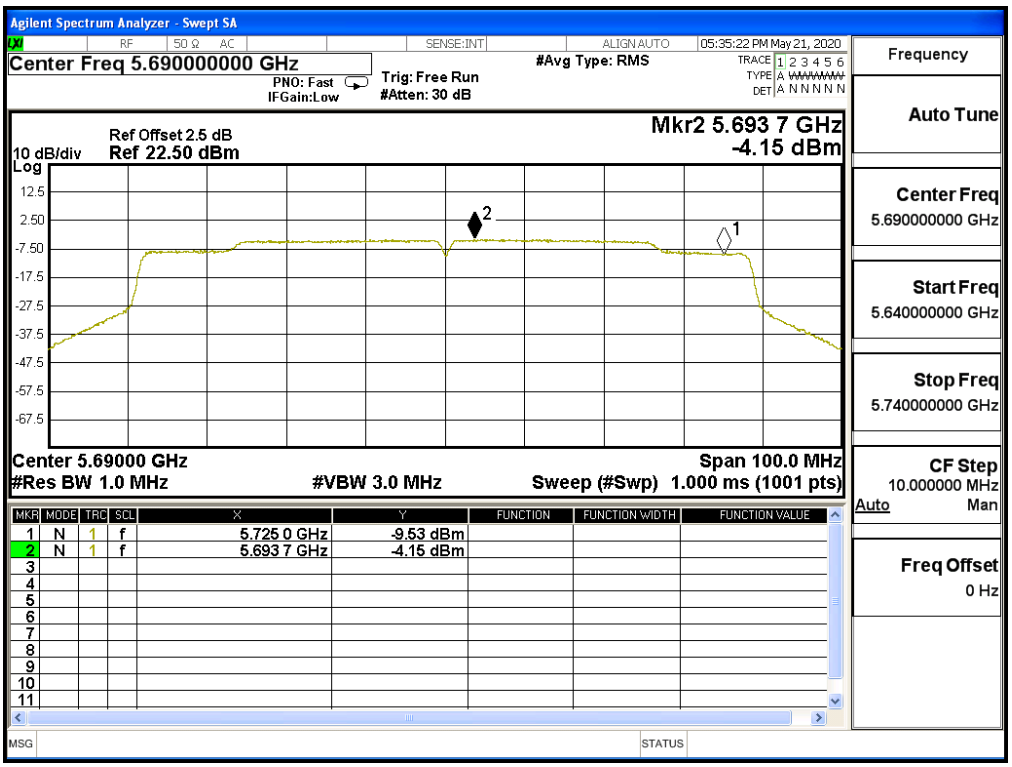
Channel 106 – Chain B



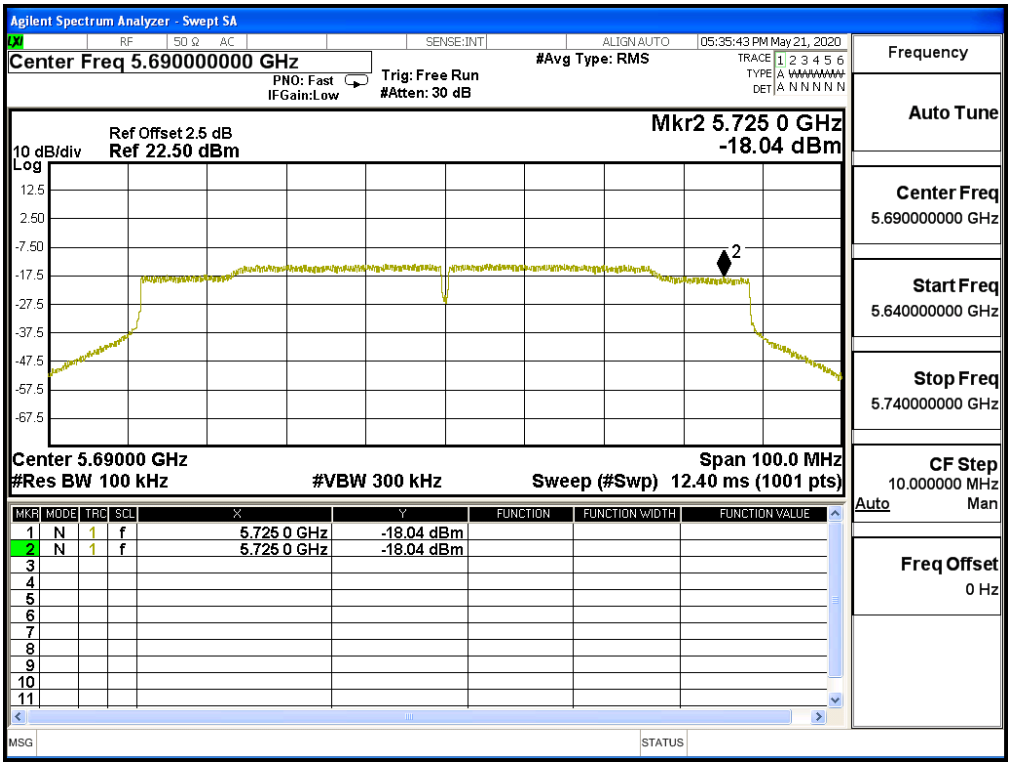
Channel 122 – Chain B



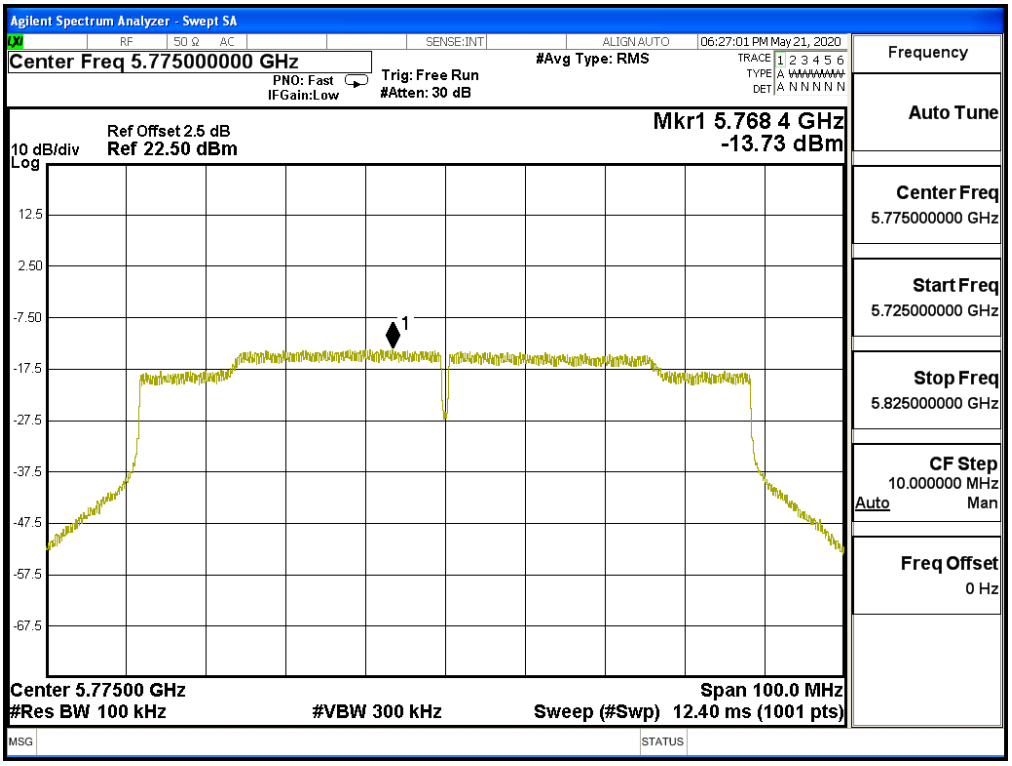
Channel 138 – Chain B (Band 3)



Channel 138 – Chain B (Band 4)



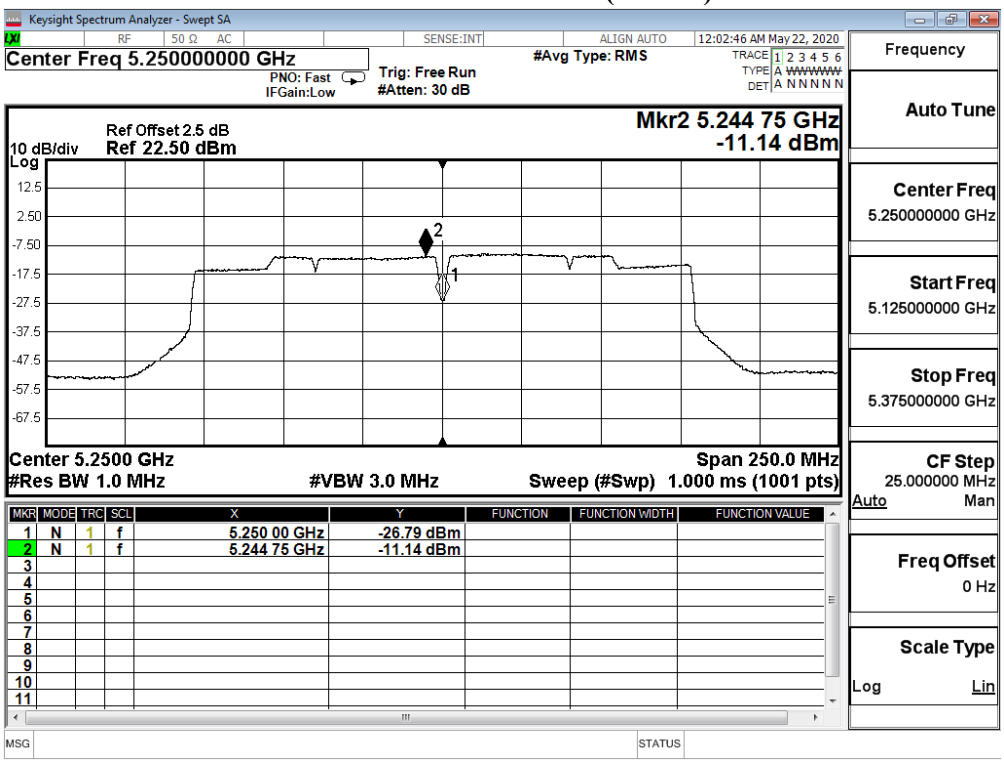
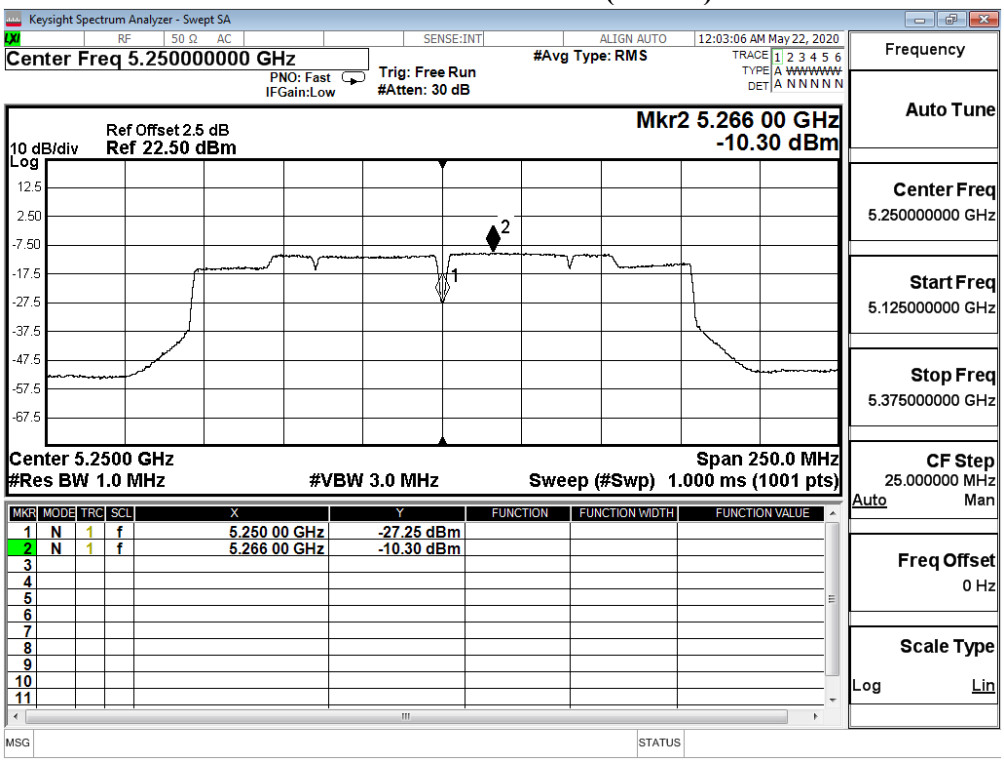
Channel 155 - Chain B



Product : Portable computer
Test Item : Peak Power Spectral Density
Test Mode : Mode 22 MIMO: Transmit (802.11ac-160BW_130Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PPSD (dBm)	Required Limit (dBm)	Result
50(Band1)	5250	A	-11.14	-8.13	11	Pass
		B	-9.49	-6.48	11	Pass
50(Band2)	5250	A	-10.30	-7.29	11	Pass
		B	-9.70	-6.69	11	Pass
114	5570	A	-11.09	-8.08	11	Pass
		B	-9.93	-6.92	11	Pass

Channel 50 – Chain A (Band 1)



Channel 50 – Chain A (Band 2)