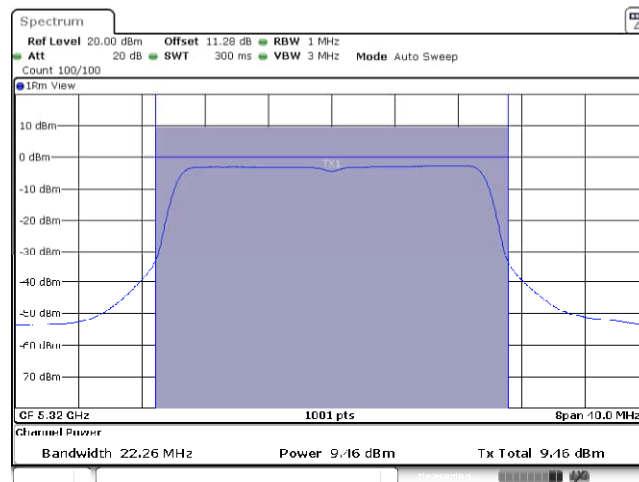
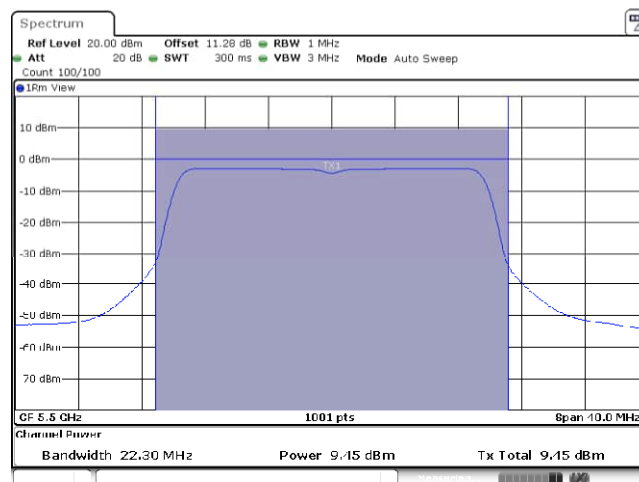


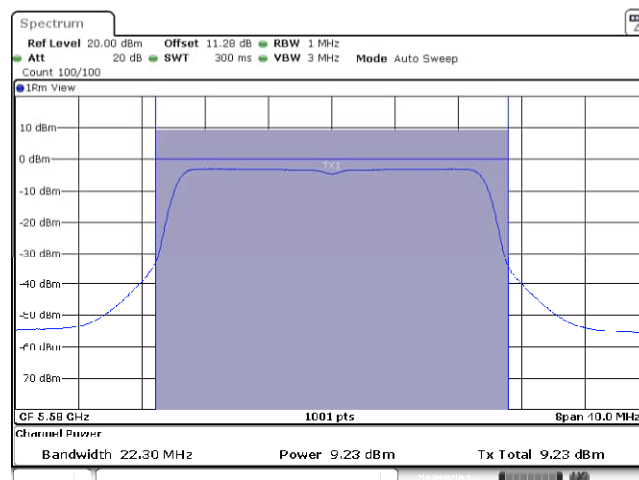
(5.3 GHz Band)
Channel: 64[Chain 0]



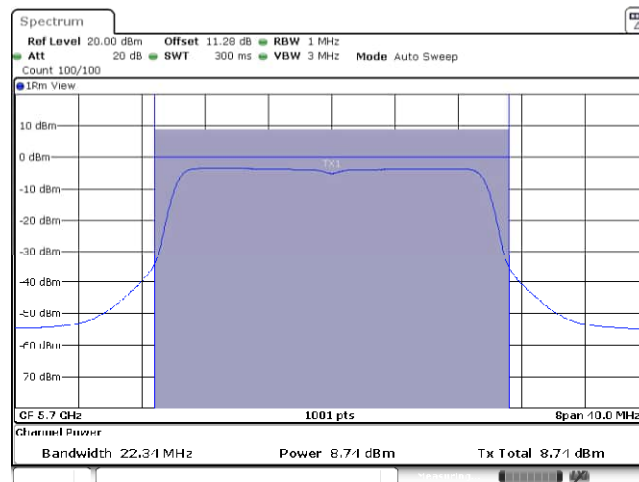
(5.6 GHz Band)
Channel: 100[Chain 0]



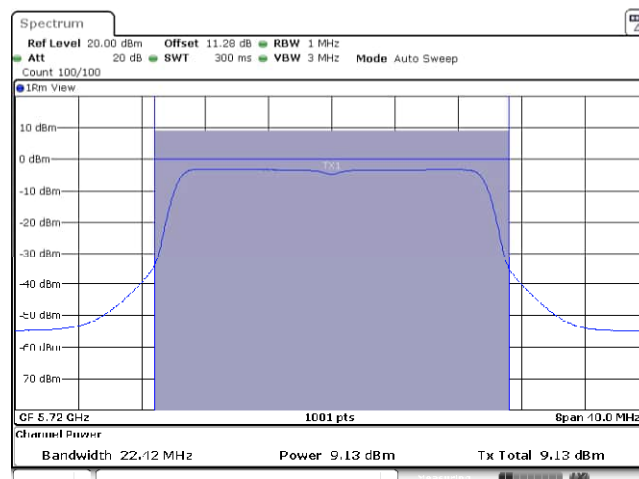
Channel: 116[Chain 0]



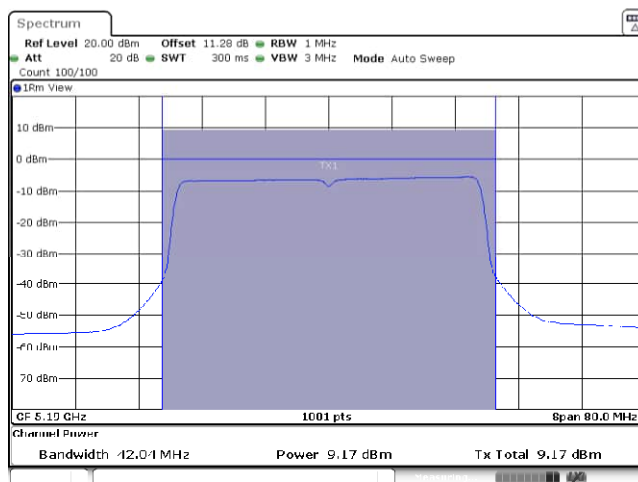
(5.6 GHz Band)
Channel: 140[Chain 0]



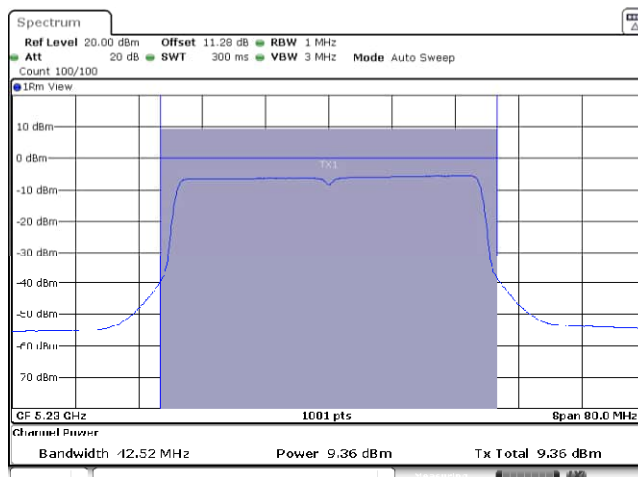
Channel: 144[Chain 0]



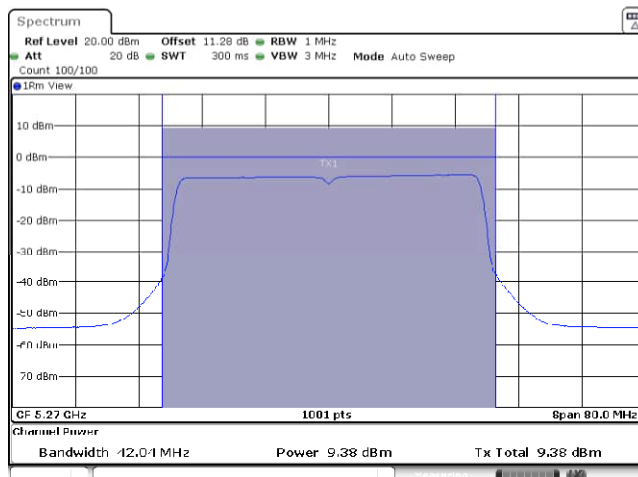
**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 0]**

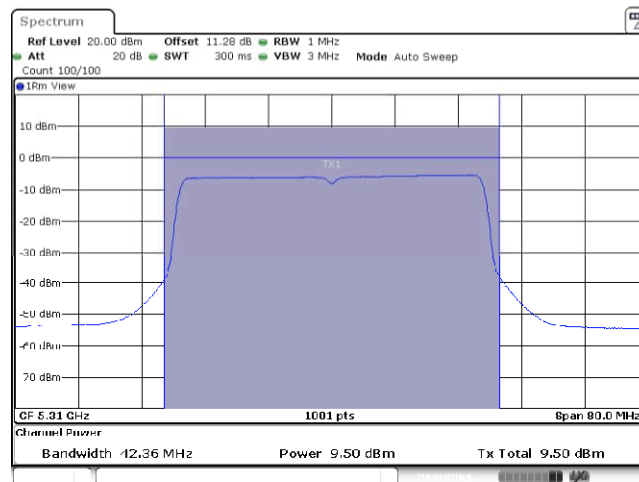
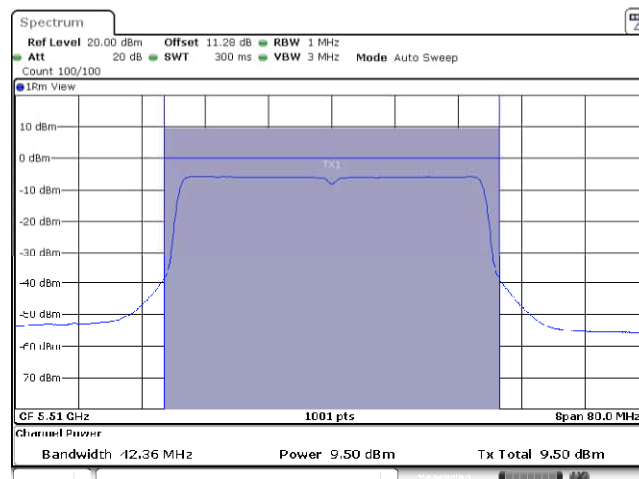
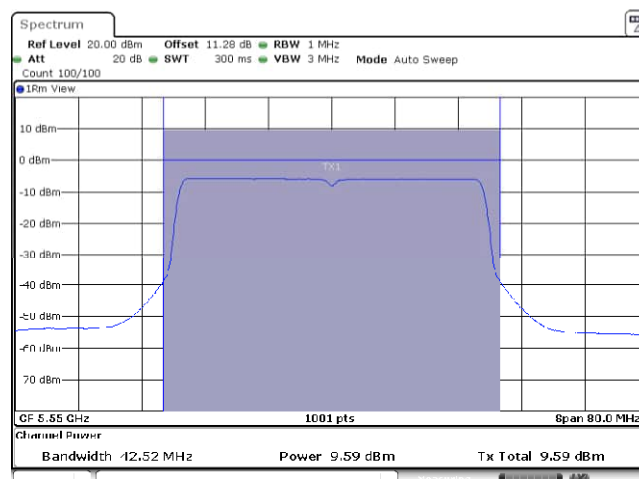


**(5.2 GHz Band)
Channel: 46[Chain 0]**

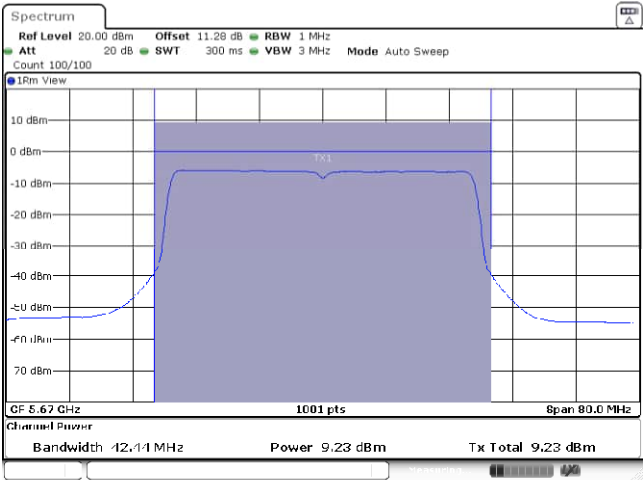


**(5.3 GHz Band)
Channel: 54[Chain 0]**

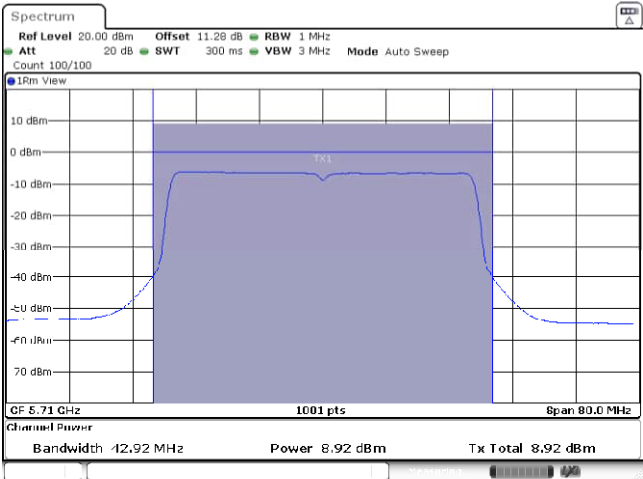


(5.3 GHz Band)**Channel: 62[Chain 0]****(5.6 GHz Band)****Channel: 102[Chain 0]****Channel: 110[Chain 0]**

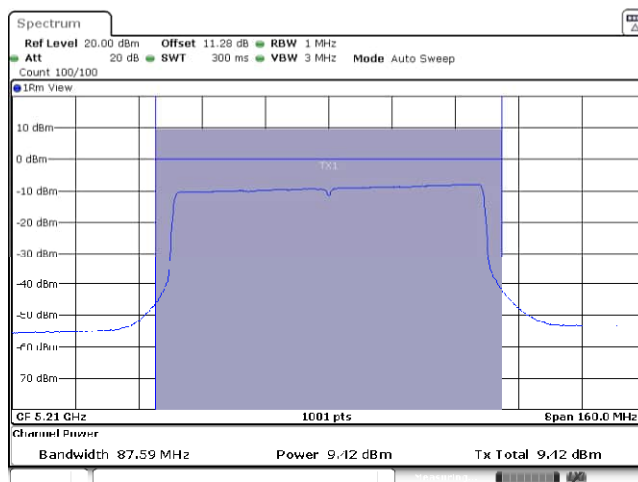
Channel: 134[Chain 0]



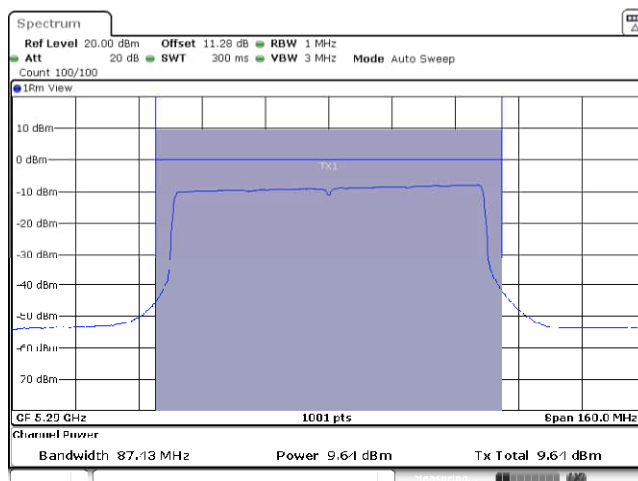
(5.6 GHz Band)
Channel: 142[Chain 0]



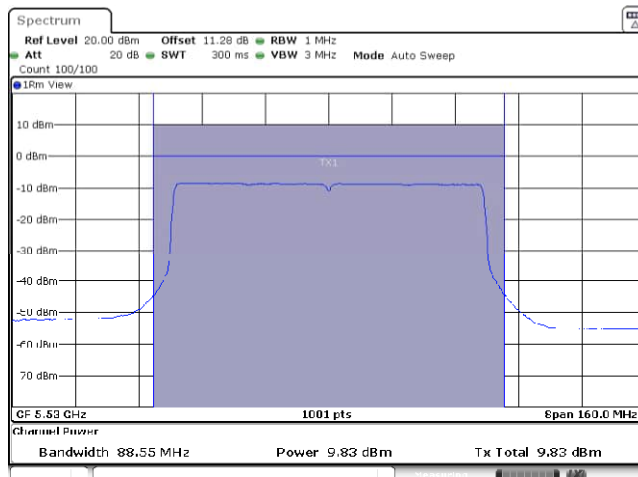
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 0]**

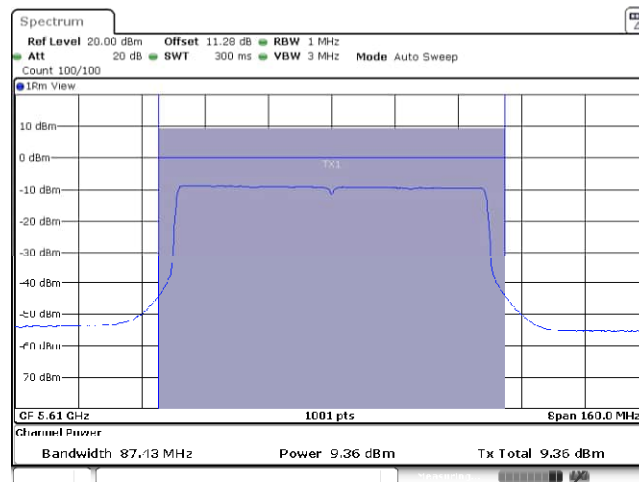
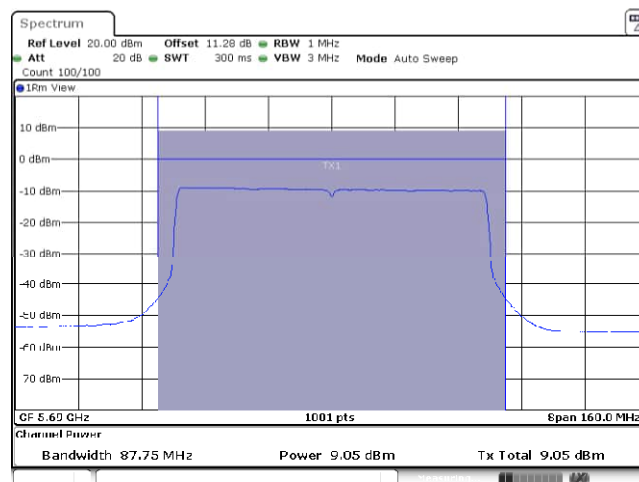


**(5.3GHz Band)
Channel: 58[Chain 0]**

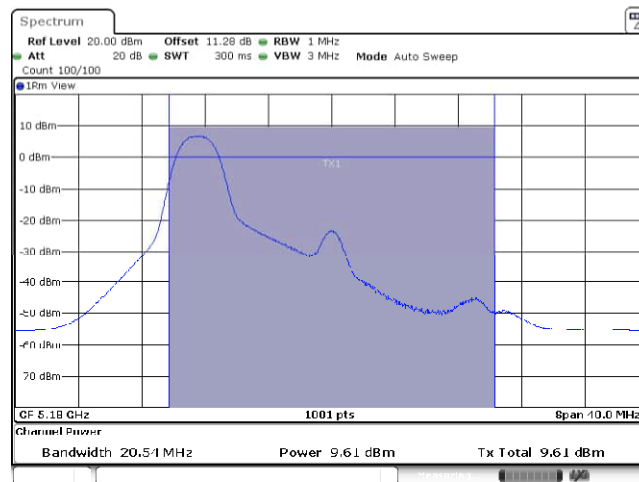


**(5.6 GHz Band)
Channel: 106[Chain 0]**

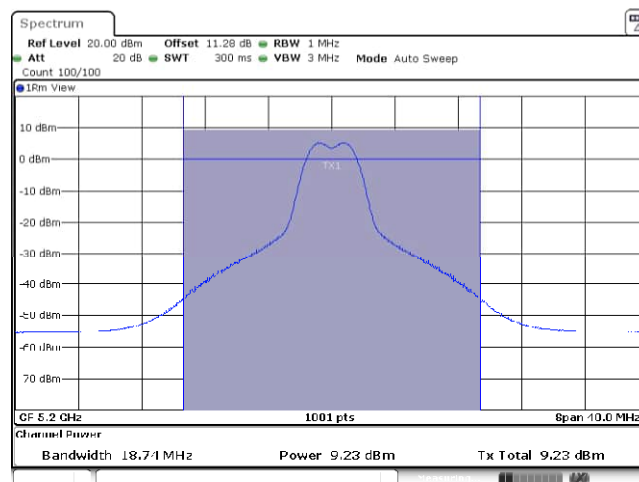


(5.6 GHz Band)**Channel: 122[Chain 0]****Channel: 138[Chain 0]**

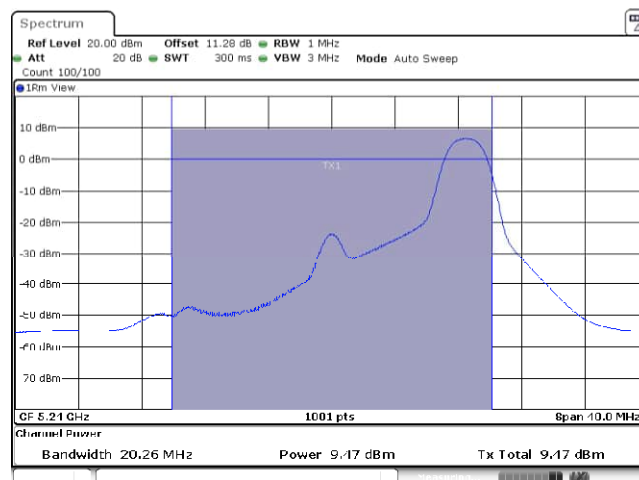
**[IEEE802.11ax_HE20_26-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



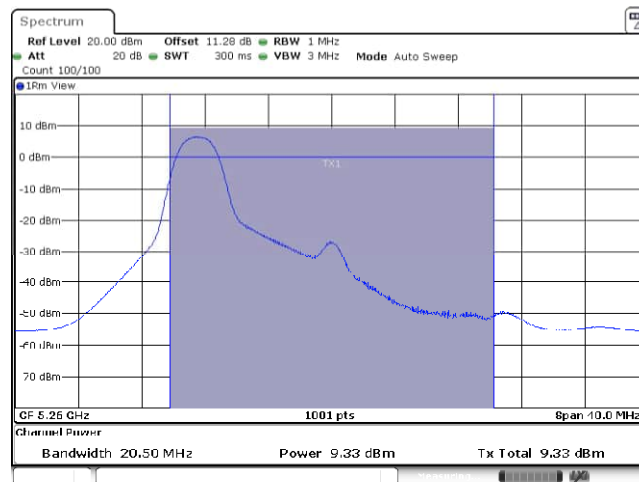
Channel: 40[Chain 1]



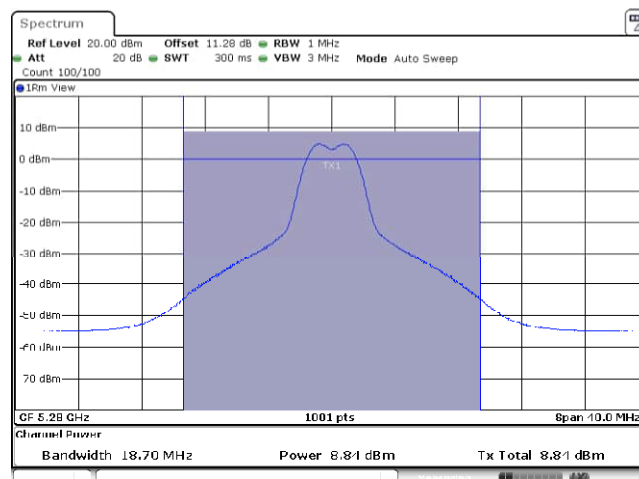
Channel: 48[Chain 1]



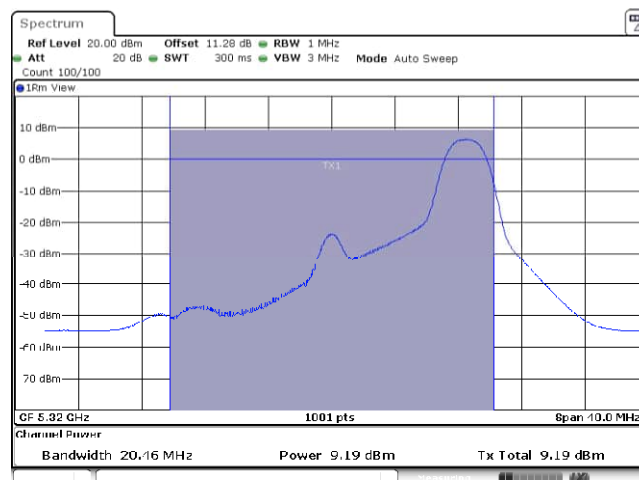
(5.3 GHz Band)
Channel: 52[Chain 1]



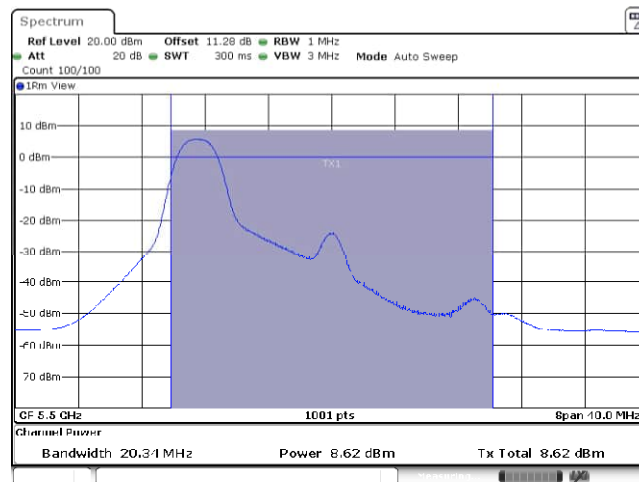
Channel: 56[Chain 1]



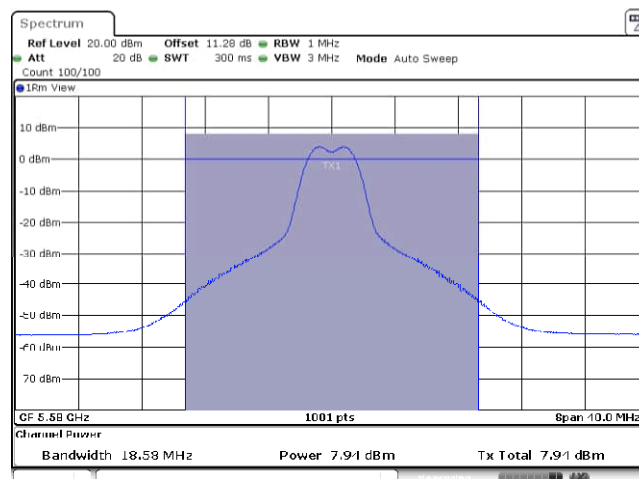
Channel: 64[Chain 1]



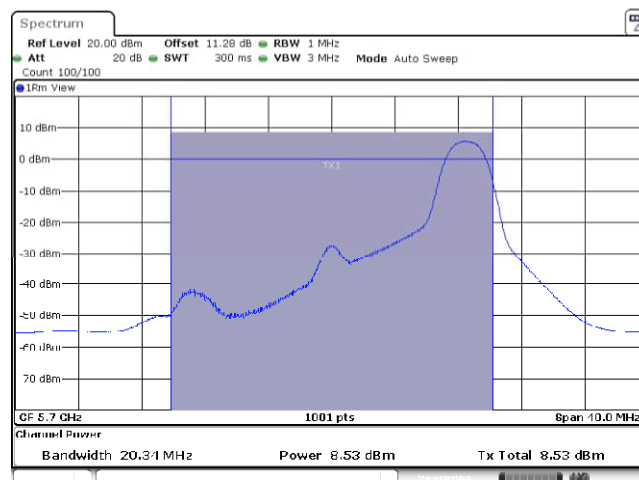
(5.6 GHz Band)
Channel: 100[Chain 1]



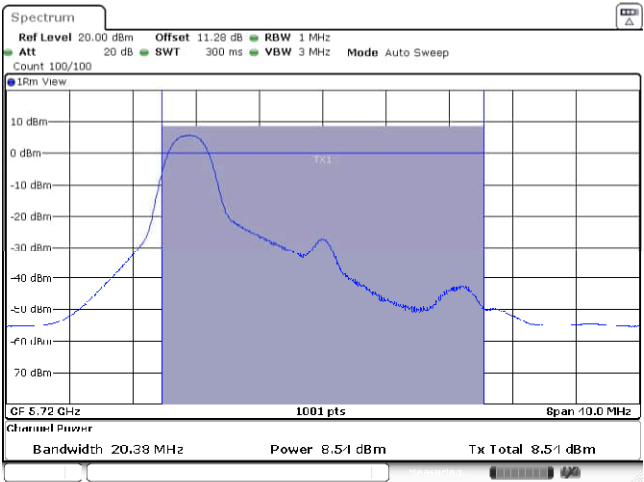
Channel: 116[Chain 1]



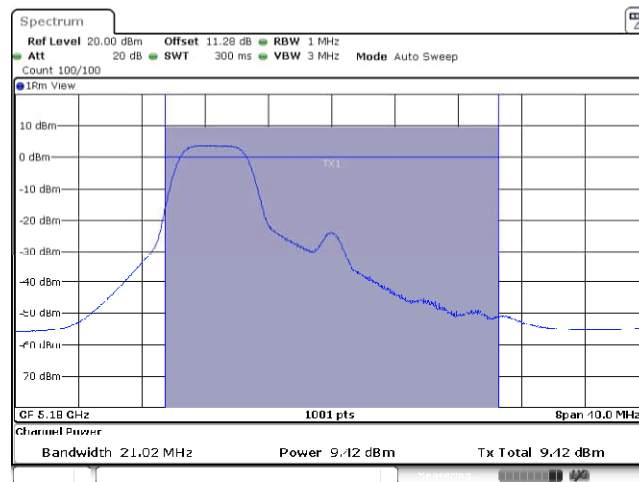
Channel: 140[Chain 1]



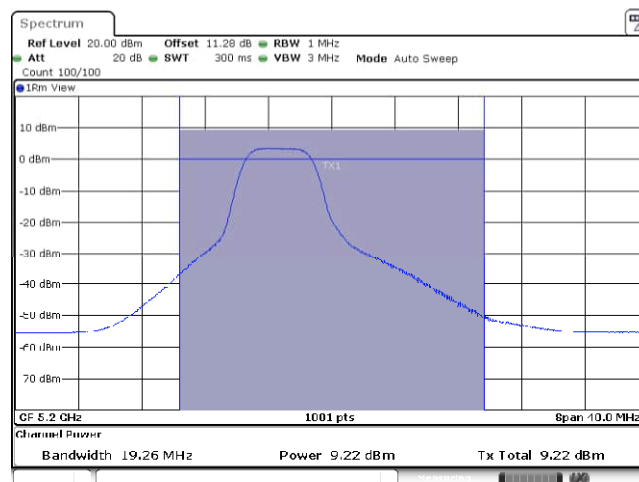
(5.6 GHz Band)
Channel: 144[Chain 1]



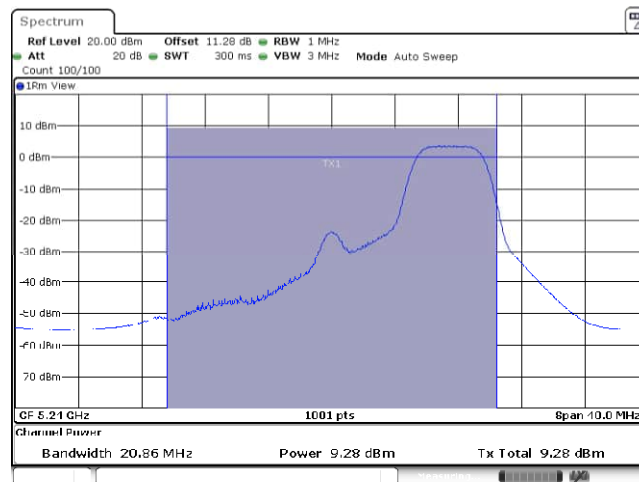
**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



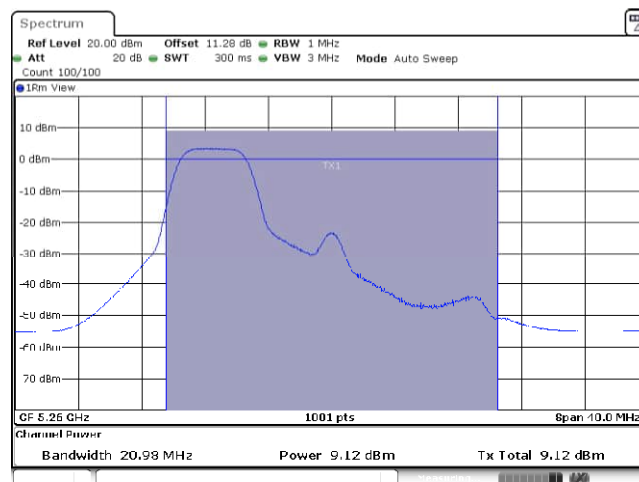
Channel: 40[Chain 1]



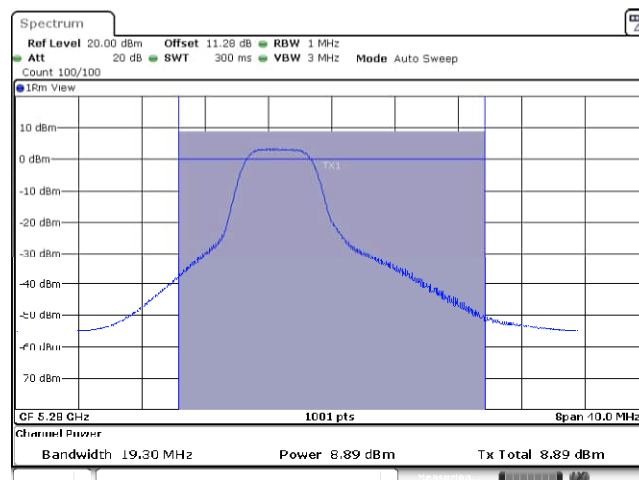
(5.2 GHz Band)
Channel: 48[Chain 1]

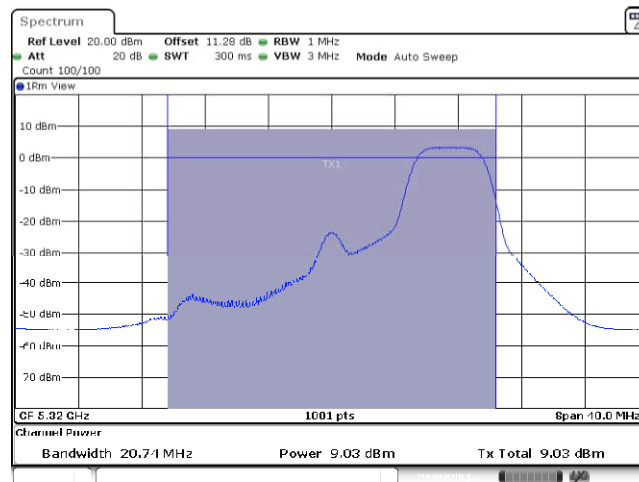
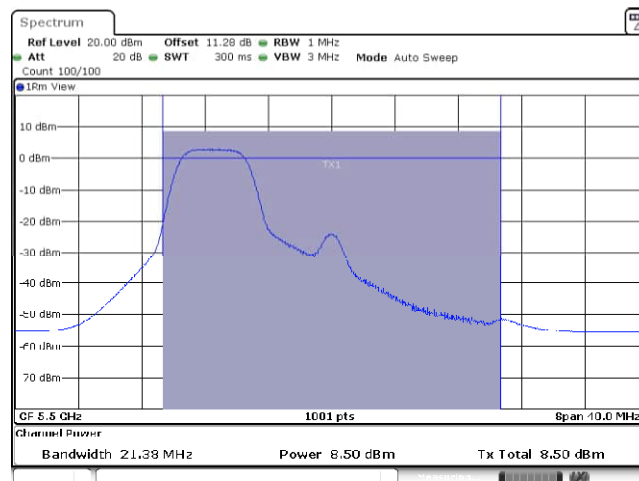
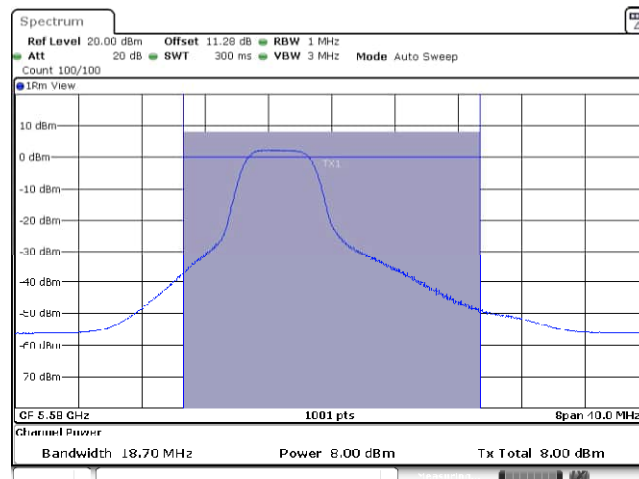


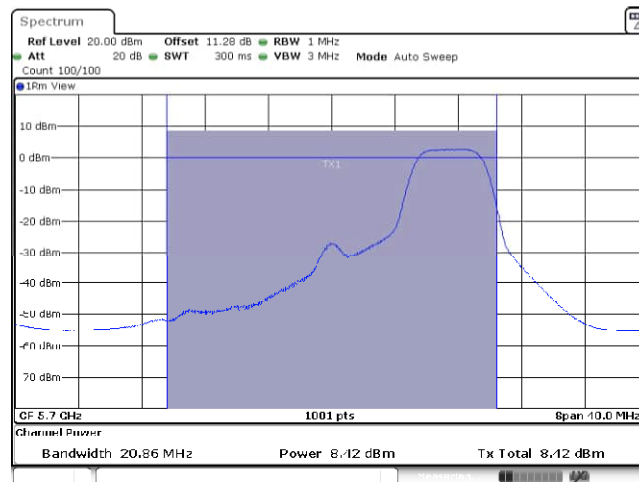
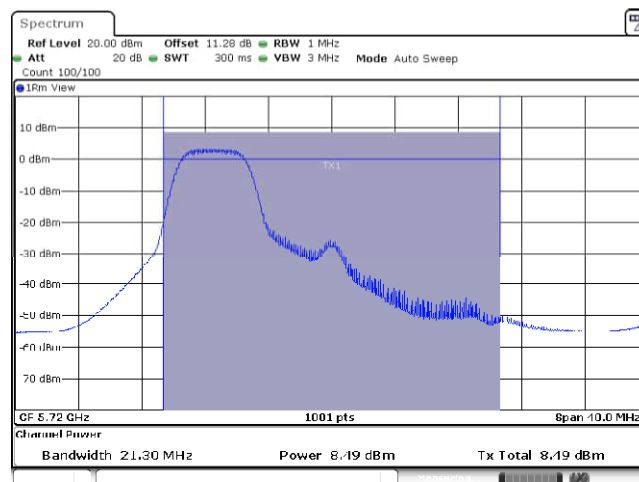
(5.3 GHz Band)
Channel: 52[Chain 1]



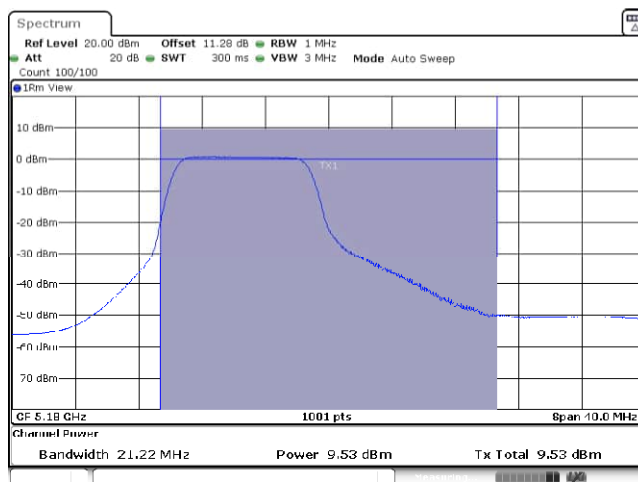
Channel: 56[Chain 1]



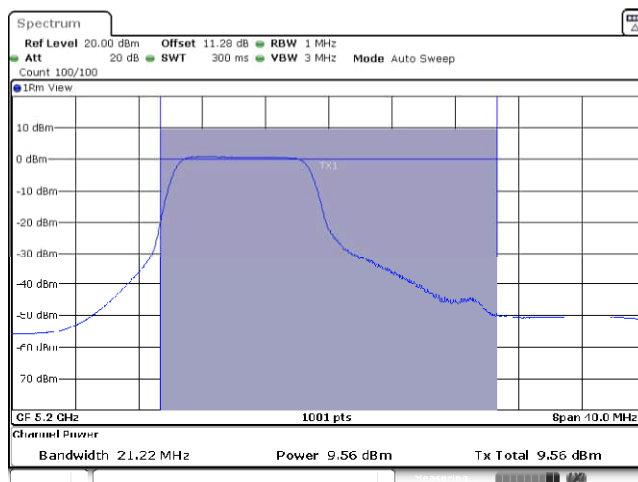
(5.3 GHz Band)**Channel: 64[Chain 1]****(5.6 GHz Band)****Channel: 100[Chain 1]****Channel: 116[Chain 1]**

(5.6 GHz Band)**Channel: 140[Chain 1]****Channel: 144[Chain 1]**

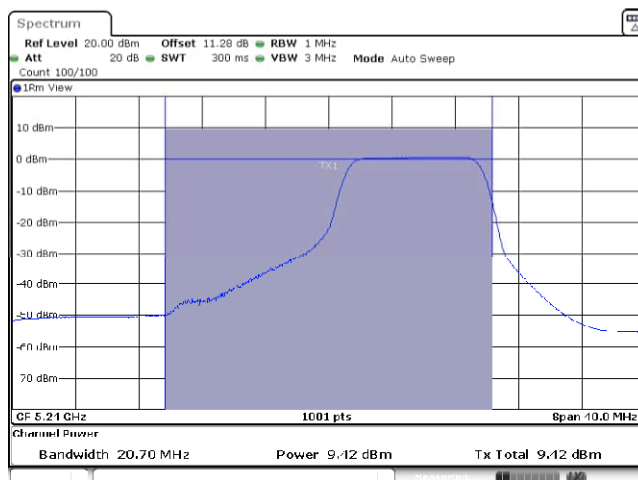
[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]



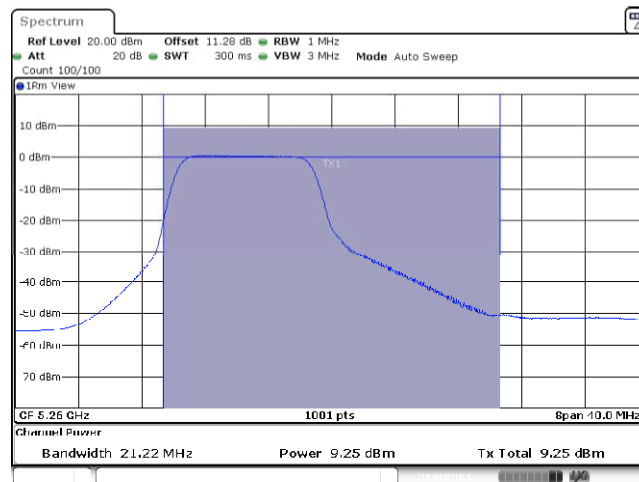
Channel: 40[Chain 1]



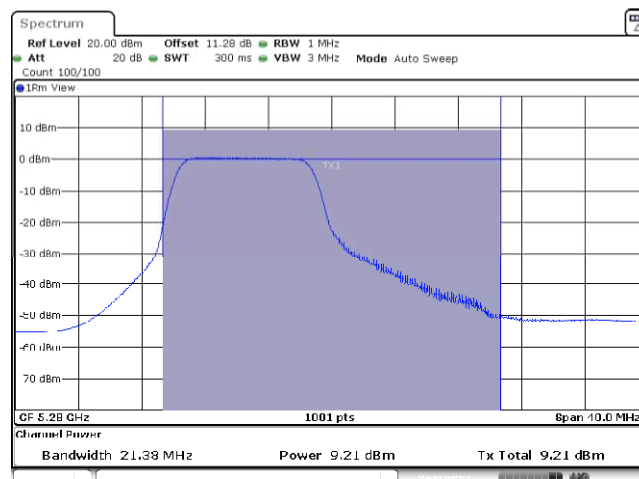
Channel: 48[Chain 1]



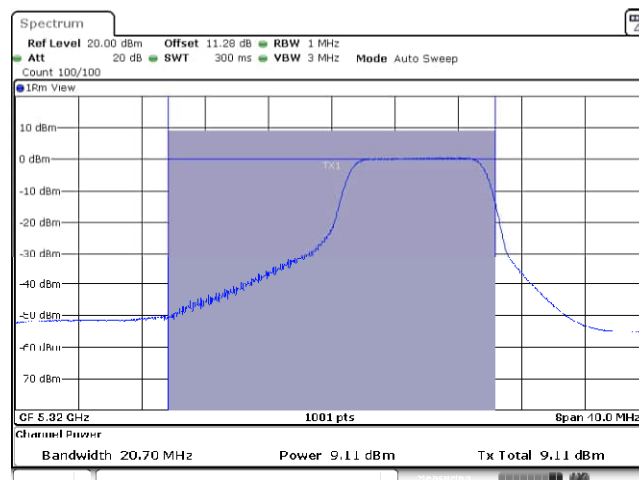
(5.3 GHz Band)
Channel: 52[Chain 1]



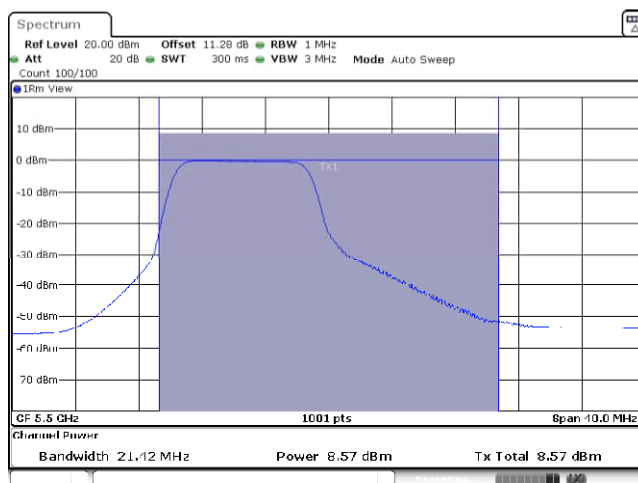
Channel: 56[Chain 1]



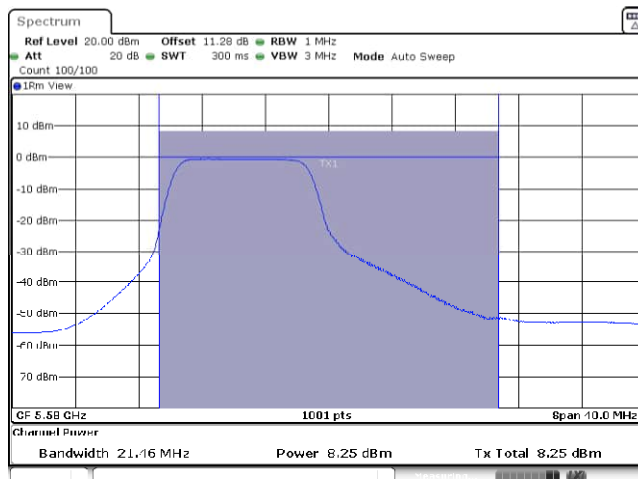
Channel: 64[Chain 1]



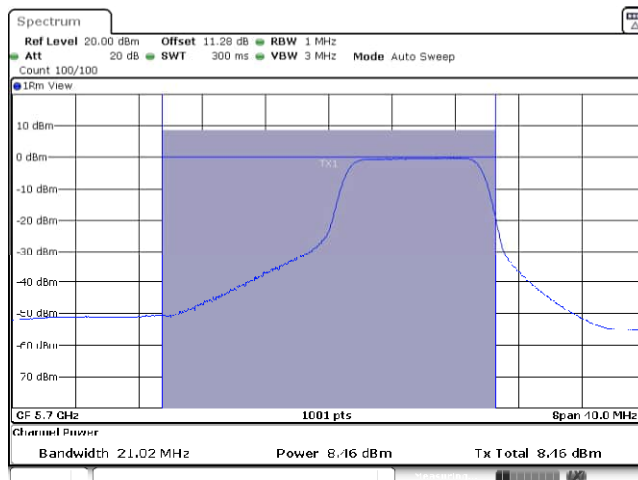
(5.6 GHz Band)
Channel: 100[Chain 1]



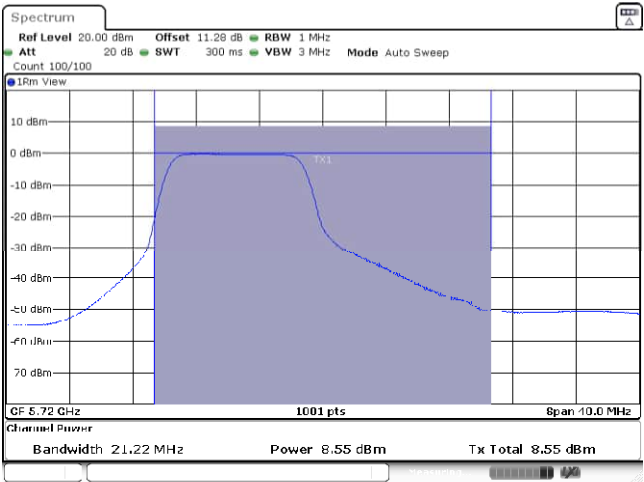
Channel: 116[Chain 1]



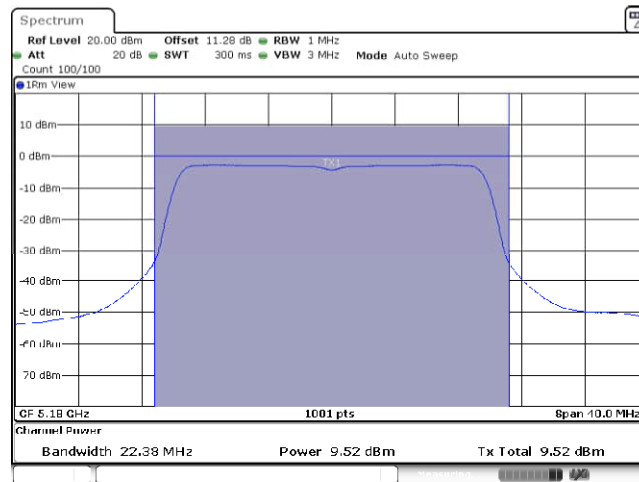
Channel: 140[Chain 1]



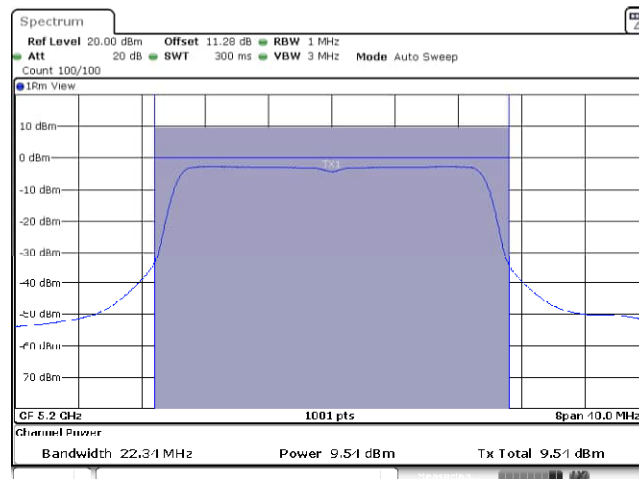
(5.6 GHz Band)
Channel: 144[Chain 1]



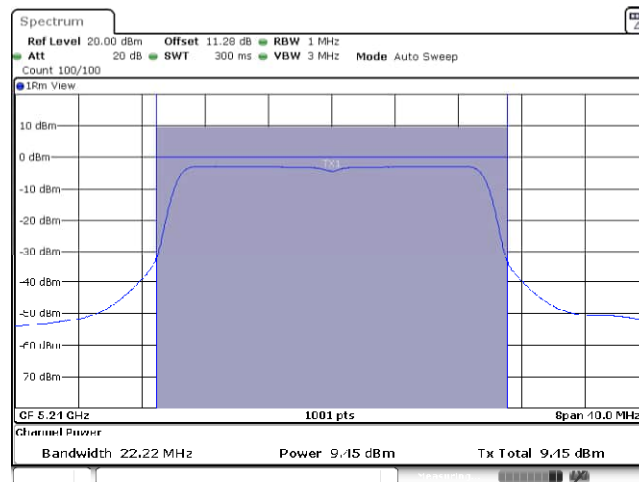
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



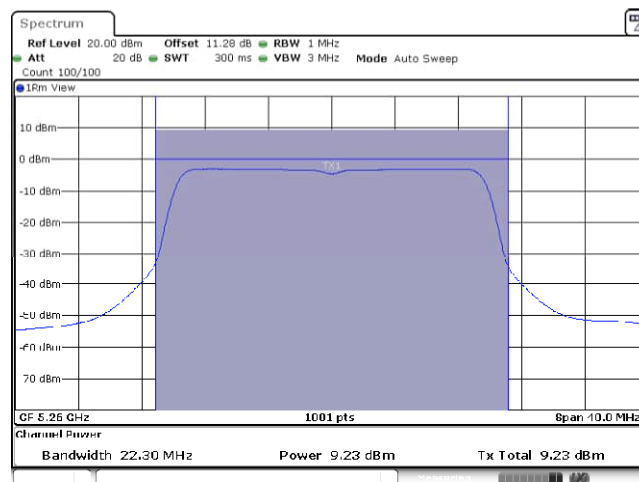
Channel: 40[Chain 1]



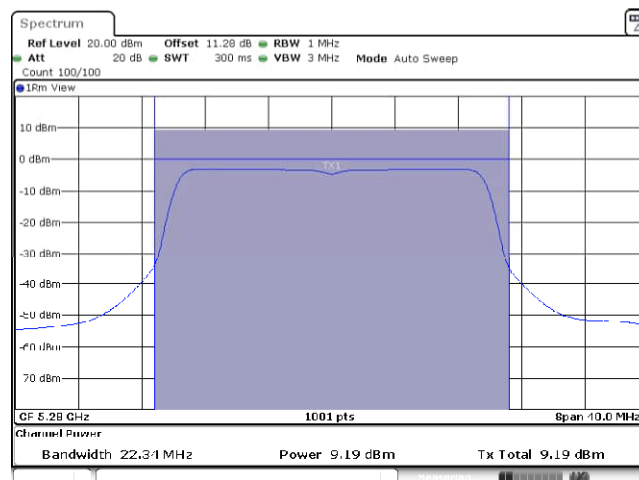
(5.2 GHz Band)
Channel: 48[Chain 1]

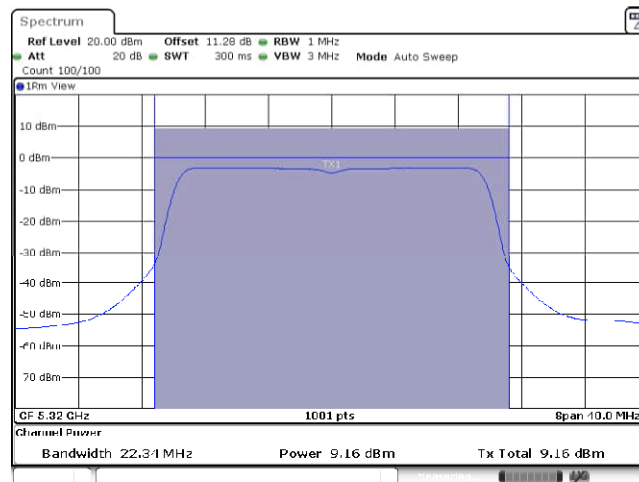
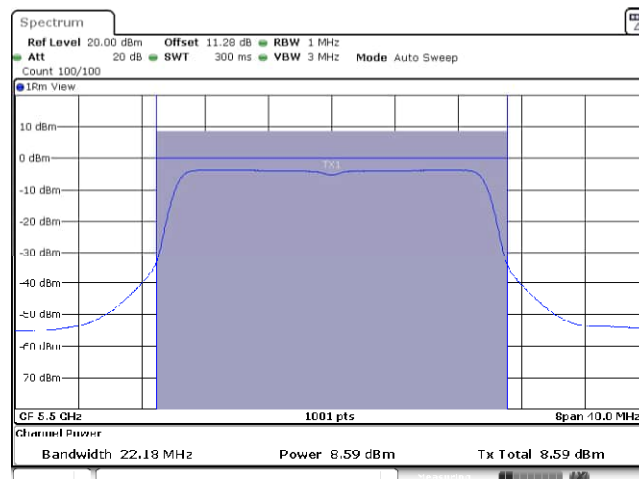
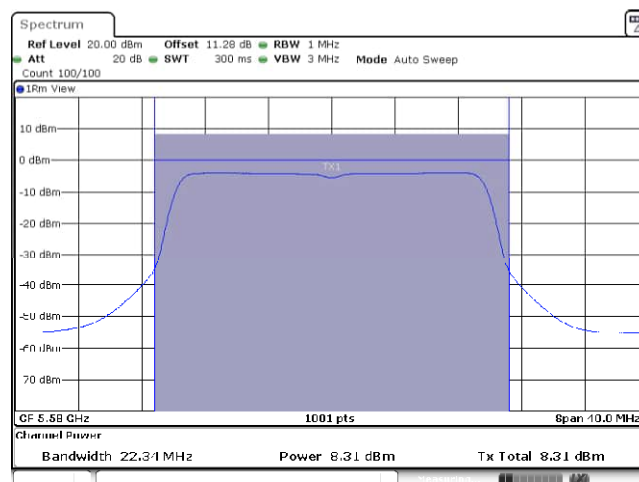


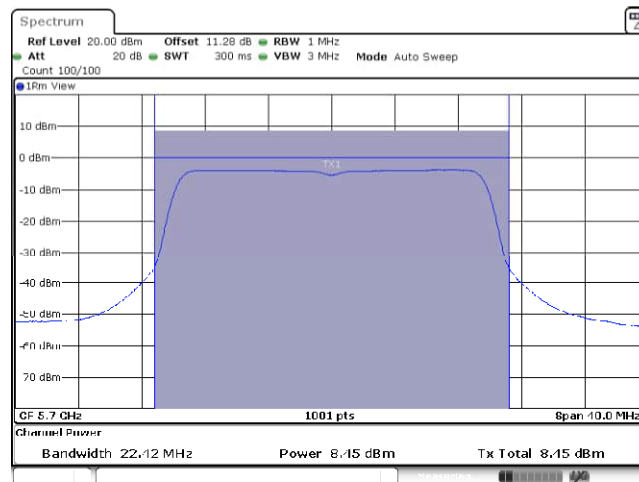
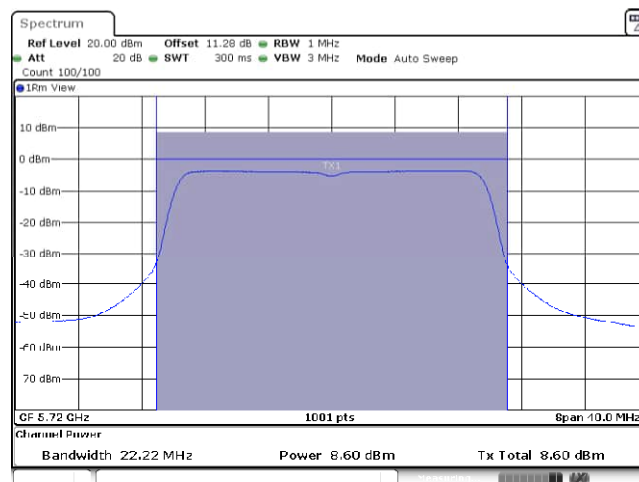
(5.3 GHz Band)
Channel: 52[Chain 1]



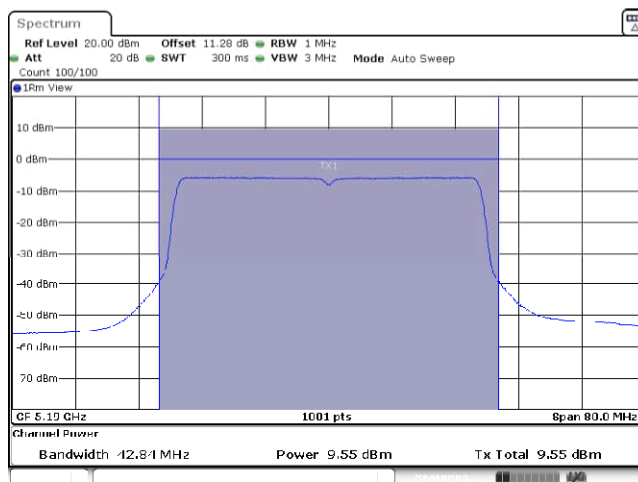
Channel: 56[Chain 1]



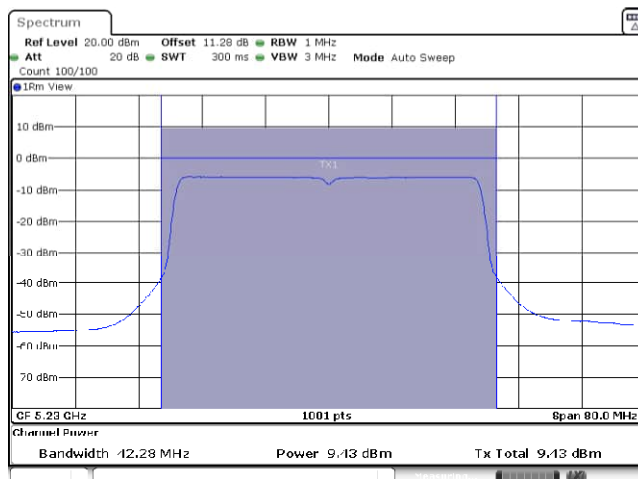
(5.3 GHz Band)**Channel: 64[Chain 1]****(5.6 GHz Band)****Channel: 100[Chain 1]****Channel: 116[Chain 1]**

(5.6 GHz Band)**Channel: 140[Chain 1]****Channel: 144[Chain 1]**

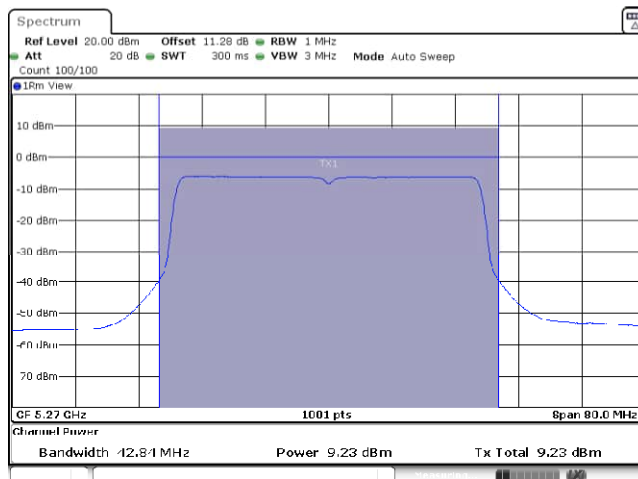
**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 1]**

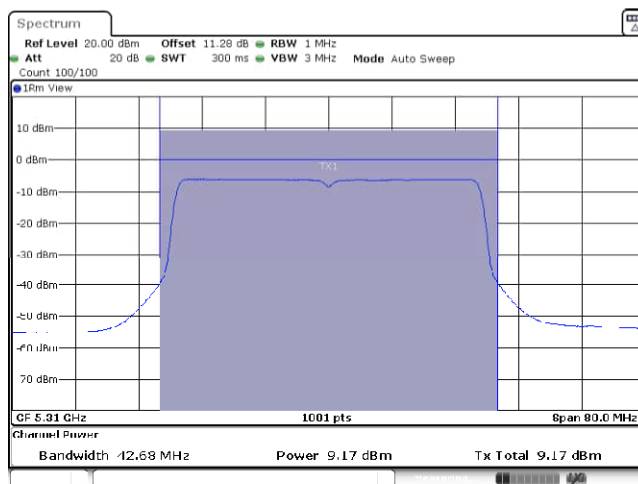
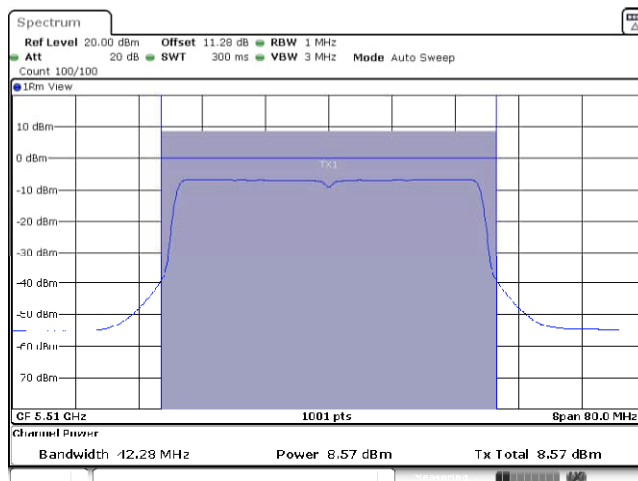
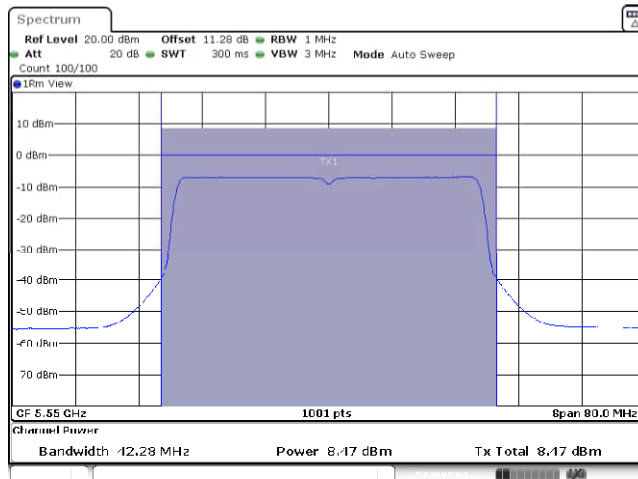


**(5.2 GHz Band)
Channel: 46[Chain 1]**

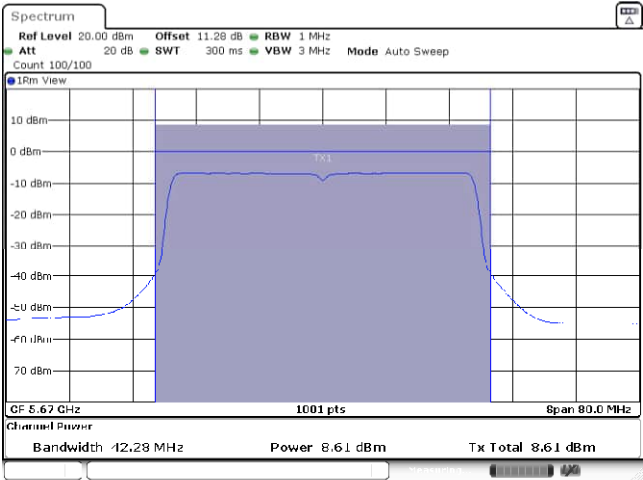


**(5.3 GHz Band)
Channel: 54[Chain 1]**

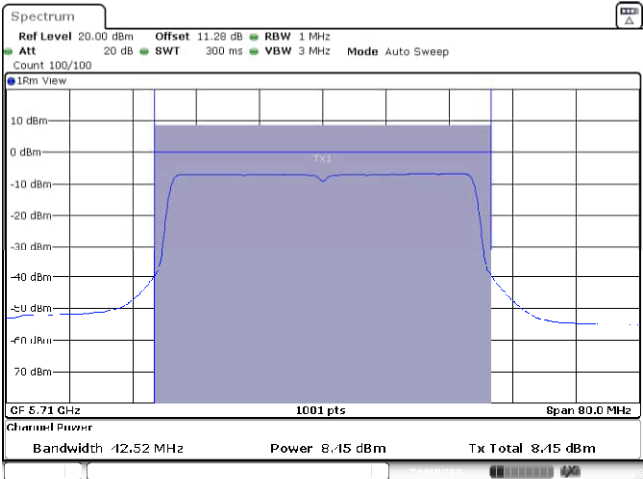


(5.3 GHz Band)**Channel: 62[Chain 1]****(5.6 GHz Band)****Channel: 102[Chain 1]****Channel: 110[Chain 1]**

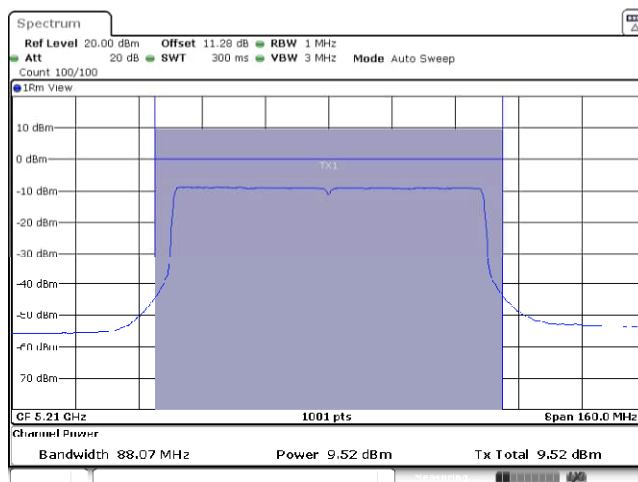
Channel: 134[Chain 1]



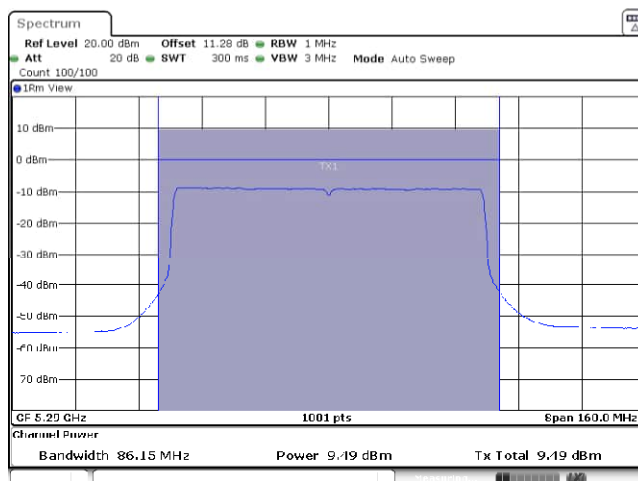
(5.6 GHz Band)
Channel: 142[Chain 1]



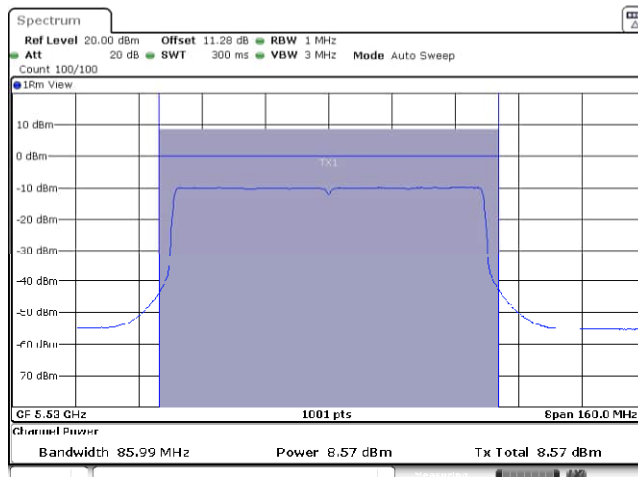
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 1]**

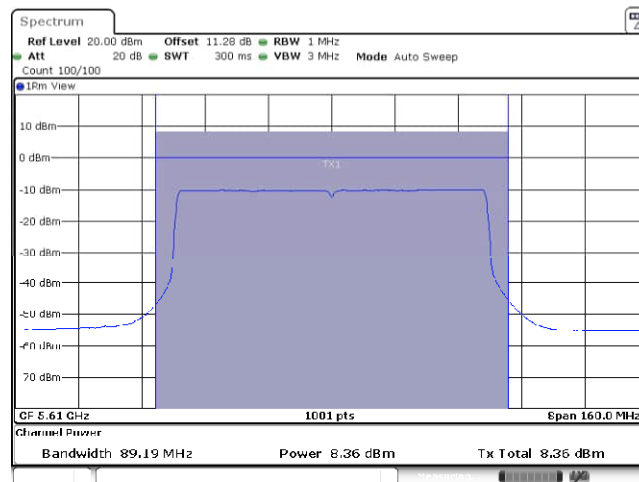
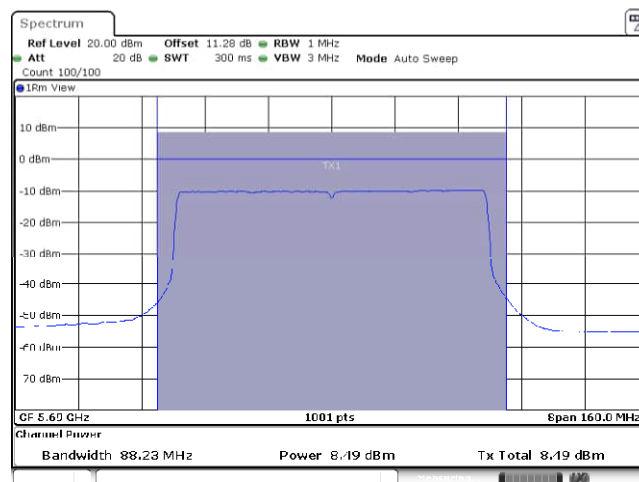


**(5.3GHz Band)
Channel: 58[Chain 1]**



**(5.6 GHz Band)
Channel: 106[Chain 1]**



(5.6 GHz Band)**Channel: 122[Chain 1]****Channel: 138[Chain 1]**

4.3 Peak Power Spectral Density

4.3.1 Measurement procedure

[FCC 15.407(a), KDB 789033 D02, Section F]

The peak power spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency.

The spectrum analyzer is set to;

- RBW=1 MHz, VBW=3 MHz, Span=25 MHz/50 MHz/100 MHz, Sweep=Auto, Detector=RMS, Trace mode=Averaging

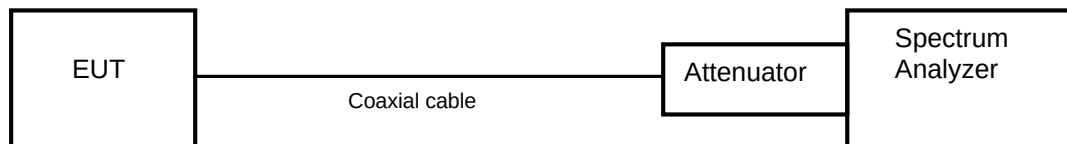
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.

- Tx mode

- Test configuration



4.3.2 Limit

(1) 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 peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6dBi.

(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 peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

(3) For the 5.725-5.85 GHz bands, 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, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirection applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

4.3.3 DIRECTIONAL ANTENNA GAIN

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting OFDMA in all MIMO modes. The directional gains are as follows:

Band	Chain 0 Gain (dBi)	Chain 1 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2 GHz Band	0.3	1.0	0.66	3.67
5.3 GHz Band	1.3	1.1	1.20	4.21
5.6 GHz Band	2.6	2.2	2.40	5.41

<Peak Power Spectral Density Limit Calculation[Chain 0]>

Band	Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2 GHz Band	11	0.3	11.3 dBm/MHz
5.3 GHz Band	11	1.3	12.3 dBm/MHz
5.6 GHz Band	11	2.6	13.6 dBm/MHz

<Peak Power Spectral Density Limit Calculation[Chain 1]>

Band	Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2 GHz Band	11	1.0	12.0 dBm/MHz
5.3 GHz Band	11	1.1	12.1 dBm/MHz
5.6 GHz Band	11	2.2	13.2 dBm/MHz

<Peak Power Spectral Density Limit Calculation[Chain 0+1]>

Band	Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2 GHz Band	11	3.67	14.67 dBm/MHz
5.3 GHz Band	11	4.21	15.21 dBm/MHz
5.6 GHz Band	11	5.41	16.41 dBm/MHz

4.3.4 Measurement result

Date : 8-December-2025
 Temperature : 19.4 [°C]
 Humidity : 46.1 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 9-December-2025
 Temperature : 18.6 [°C]
 Humidity : 48.6 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 10-December-2025
 Temperature : 19.7 [°C]
 Humidity : 45.8 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 26-Tones	36	5180	6.58	5.085	5.378	0.946	0.241	6.82
	40	5200	5.11					5.35
	48	5240	6.43					6.67
	52	5260	6.33	5.085	5.378	0.946	0.241	6.57
	56	5280	4.75					4.99
	64	5320	6.07					6.31
	100	5500	5.62	5.085	5.378	0.946	0.241	5.87
	116	5580	3.87					4.11
	140	5700	5.60					5.84
	144	5720	5.61					5.85

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 52-Tones	36	5180	3.54	5.070	5.363	0.945	0.246	3.78
	40	5200	3.35					3.59
	48	5240	3.42					3.67
	52	5260	3.25	5.070	5.363	0.945	0.246	3.50
	56	5280	2.96					3.20
	64	5320	3.09					3.34
	100	5500	2.64	5.070	5.363	0.945	0.246	2.89
	116	5580	2.09					2.33
	140	5700	2.92					3.17
	144	5720	2.61					2.86

Note 1: X = On time / (On + Off time), DCF=10log (1/x)

Note 2: Test Result = Reading + DCF

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 106-Tones	36	5180	0.09	3.891	4.118	0.945	0.246	0.33
	40	5200	0.17					0.42
	48	5240	0.85					1.10
	52	5260	0.29	3.891	4.118	0.945	0.246	0.54
	56	5280	0.33					0.58
	64	5320	0.98					1.22
	100	5500	0.71	3.891	4.118	0.945	0.246	0.95
	116	5580	0.47					0.72
	140	5700	-0.12					0.12
	144	5720	0.39					0.64

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 242-Tones	36	5180	-2.90	1.735	1.850	0.938	0.278	-2.63
	40	5200	-2.84					-2.56
	48	5240	-2.66					-2.38
	52	5260	-2.68	1.735	1.850	0.938	0.278	-2.41
	56	5280	-2.70					-2.42
	64	5320	-2.53					-2.25
	100	5500	-2.81	1.735	1.850	0.938	0.278	-2.53
	116	5580	-3.05					-2.78
	140	5700	-3.41					-3.13
	144	5720	-3.03					-2.76

Note 1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$

Note 2: Test Result = Reading + DCF

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE40 484-Tones	38	5190	-5.54	0.904	0.969	0.933	0.301	-5.24
	46	5230	-5.42					-5.12
	54	5270	-5.35	0.904	0.969	0.933	0.301	-5.05
	62	5310	-5.30					-5.00
	102	5510	-5.77	0.904	0.969	0.933	0.301	-5.47
	110	5550	-5.63					-5.33
	134	5670	-5.91					-5.61
	142	5710	-6.25					-5.95

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE80 996-Tones	42	5210	-7.99	0.663	0.715	0.927	0.329	-7.66
	58	5290	-7.92	0.663	0.715	0.927	0.329	-7.59
	106	5530	-8.53	0.663	0.715	0.927	0.329	-8.20
	122	5610	-8.83	0.663	0.715	0.927	0.329	-8.50
	138	5690	-8.98	0.663	0.715	0.927	0.329	-8.65

Note 1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$ Note 2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 26-Tones	36	5180	6.88	5.085	5.378	0.946	0.241	7.12
	40	5200	5.40					5.64
	48	5240	6.63					6.87
	52	5260	6.49	5.085	5.378	0.946	0.241	6.73
	56	5280	4.94					5.18
	64	5320	6.41					6.65
	100	5500	5.79	5.085	5.378	0.946	0.241	6.04
	116	5580	4.06					4.30
	140	5700	5.93					6.17
	144	5720	5.81					6.05

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 52-Tones	36	5180	3.70	5.070	5.363	0.945	0.246	3.95
	40	5200	3.49					3.73
	48	5240	3.57					3.82
	52	5260	3.45	5.070	5.363	0.945	0.246	3.69
	56	5280	3.41					3.65
	64	5320	3.39					3.64
	100	5500	2.88	5.070	5.363	0.945	0.246	3.13
	116	5580	2.35					2.60
	140	5700	2.78					3.03
	144	5720	2.85					3.09

Note 1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$

Note 2: Test Result = Reading + DCF

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 106-Tones	36	5180	0.79	3.891	4.118	0.945	0.246	1.03
	40	5200	0.82					1.07
	48	5240	0.66					0.91
	52	5260	0.52	3.891	4.118	0.945	0.246	0.77
	56	5280	0.48					0.72
	64	5320	0.41					0.66
	100	5500	-0.13	3.891	4.118	0.945	0.246	0.12
	116	5580	-0.48					-0.23
	140	5700	-0.23					0.02
	144	5720	-0.08					0.16

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE20 242-Tones	36	5180	-2.75	1.735	1.850	0.938	0.278	-2.47
	40	5200	-2.73					-2.45
	48	5240	-2.84					-2.56
	52	5260	-3.02	1.735	1.850	0.938	0.278	-2.75
	56	5280	-3.07					-2.80
	64	5320	-3.11					-2.83
	100	5500	-3.70	1.735	1.850	0.938	0.278	-3.42
	116	5580	-3.95					-3.67
	140	5700	-3.77					-3.49
	144	5720	-3.51					-3.23

Note 1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$

Note 2: Test Result = Reading + DCF

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE40 484-Tones	38	5190	-5.79	0.904	0.969	0.933	0.301	-5.49
	46	5230	-5.85					-5.55
	54	5270	-5.88	0.904	0.969	0.933	0.301	-5.58
	62	5310	-6.01					-5.71
	102	5510	-6.69	0.904	0.969	0.933	0.301	-6.39
	110	5550	-6.80					-6.50
	134	5670	-6.67					-6.37
	142	5710	-6.76					-6.45

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ax HE80 996-Tones	42	5210	-8.86	0.663	0.715	0.927	0.329	-8.53
	58	5290	-8.84	0.663	0.715	0.927	0.329	-8.51
	106	5530	-9.87	0.663	0.715	0.927	0.329	-9.54
	122	5610	-9.99	0.663	0.715	0.927	0.329	-9.66
	138	5690	-9.84	0.663	0.715	0.927	0.329	-9.51

Note 1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$ Note 2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain 0	Chain 1	
802.11ax HE20 26-Tones	36	5180	6.821	7.118	9.982
	40	5200	5.349	5.643	8.509
	58	5240	6.667	6.872	9.781
	52	5260	6.573	6.728	9.661
	56	5280	4.988	5.183	8.097
	64	5320	6.314	6.653	9.497
	100	5500	5.866	6.036	8.962
	116	5580	4.106	4.298	7.213
	140	5700	5.841	6.170	9.019
	144	5720	5.854	6.048	8.962

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain 0	Chain 1	
802.11ax HE20 52-Tones	36	5180	3.781	3.948	6.876
	40	5200	3.594	3.732	6.674
	58	5240	3.670	3.819	6.755
	52	5260	3.500	3.695	6.609
	56	5280	3.203	3.468	6.348
	64	5320	3.339	3.641	6.503
	100	5500	2.887	3.126	6.018
	116	5580	2.331	2.595	5.476
	140	5700	3.169	3.026	6.109
	144	5720	2.859	3.093	5.988

Note 1: X = On time / (On + Off time), DCF=10log (1/x)

Note 2: Test Result = Reading + DCF

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain 0	Chain 1	
802.11ax HE20 106-Tones	36	5180	0.333	1.033	3.707
	40	5200	0.416	1.068	3.764
	58	5240	1.098	0.909	4.015
	52	5260	0.537	0.769	3.665
	56	5280	0.579	0.721	3.661
	64	5320	1.221	0.658	3.959
	100	5500	0.955	0.120	3.568
	116	5580	0.716	-0.233	3.278
	140	5700	0.122	0.021	3.082
	144	5720	0.638	0.162	3.417

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain 0	Chain 1	
802.11ax HE20 242-Tones	36	5180	-2.626	-2.474	0.461
	40	5200	-2.561	-2.448	0.506
	58	5240	-2.381	-2.557	0.542
	52	5260	-2.407	-2.746	0.437
	56	5280	-2.417	-2.797	0.407
	64	5320	-2.254	-2.834	0.476
	100	5500	-2.533	-3.418	0.057
	116	5580	-2.777	-3.675	-0.192
	140	5700	-3.134	-3.495	-0.300
	144	5720	-2.755	-3.234	0.022

Note 1: X = On time / (On + Off time), DCF=10log (1/x)

Note 2: Test Result = Reading + DCF

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain 0	Chain 1	
802.11ax HE40 484-Tones	38	5190	-5.243	-5.486	-2.352
	46	5230	-5.117	-5.548	-2.317
	54	5270	-5.048	-5.584	-2.297
	62	5310	-4.999	-5.708	-2.329
	102	5510	-5.471	-6.387	-2.895
	110	5550	-5.330	-6.495	-2.863
	134	5670	-5.609	-6.372	-2.963
	142	5710	-5.946	-6.454	-3.182

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain 0	Chain 1	
802.11ax HE80 996-Tones	42	5210	-7.658	-8.528	-5.061
	58	5290	-7.594	-8.511	-5.018
	106	5530	-8.203	-9.539	-5.810
	122	5610	-8.497	-9.662	-6.030
	138	5690	-8.653	-9.514	-6.052

Note 1: X = On time / (On + Off time), DCF=10log (1/x)

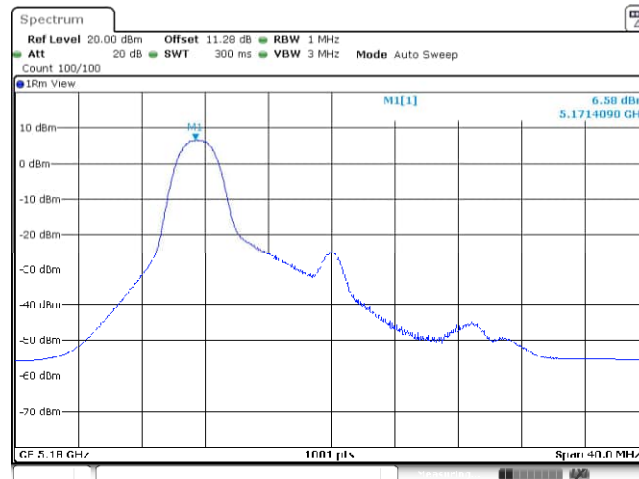
Note 2: Test Result = Reading + DCF

4.3.5 Trace data

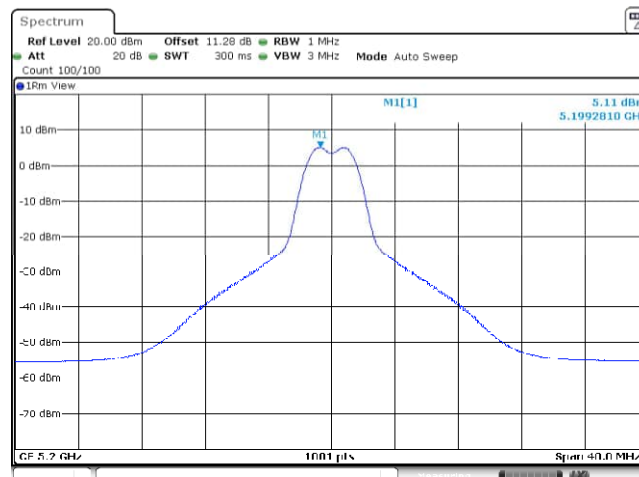
[IEEE802.11ax_HE20_26-Tones]

(5.2 GHz Band)

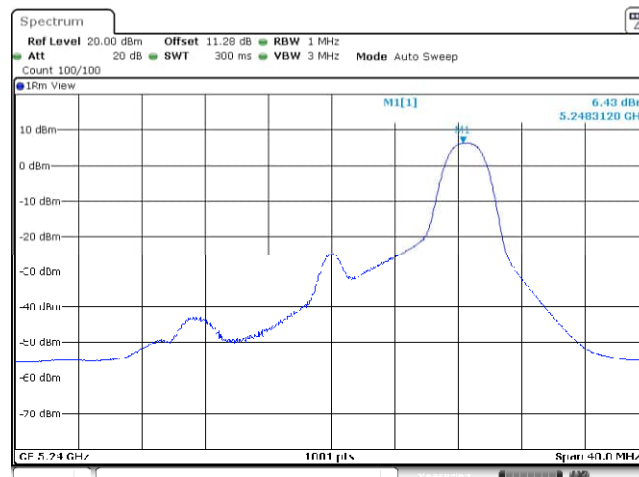
Channel: 36[Chain 0]



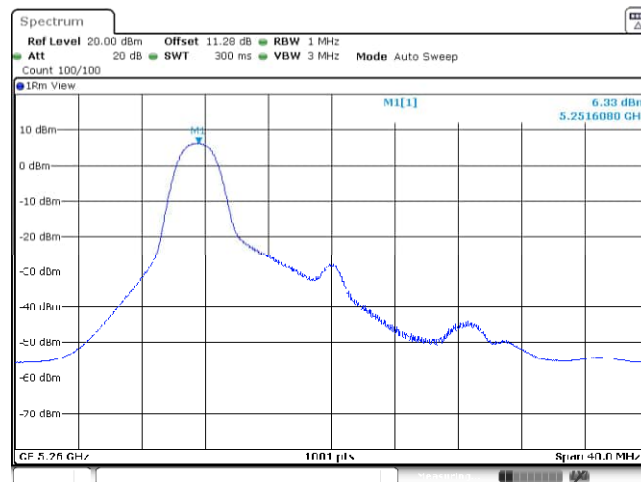
Channel: 40[Chain 0]



Channel: 48[Chain 0]



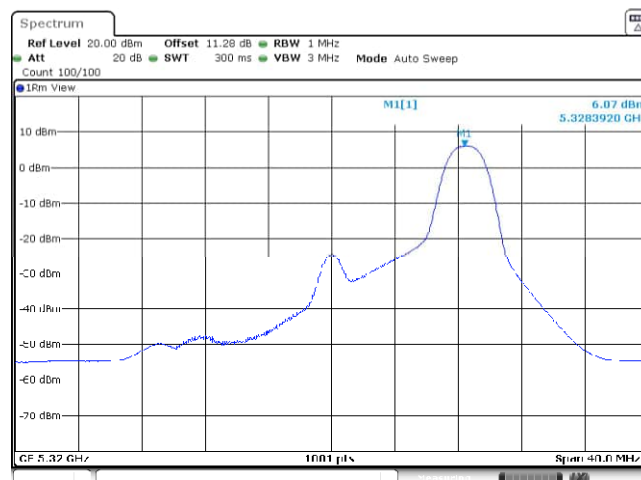
(5.3 GHz Band)
Channel: 52[Chain 0]



Channel: 56[Chain 0]

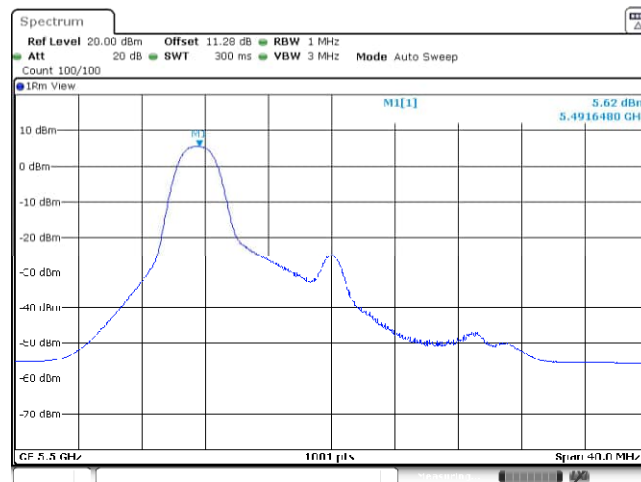


Channel: 64[Chain 0]

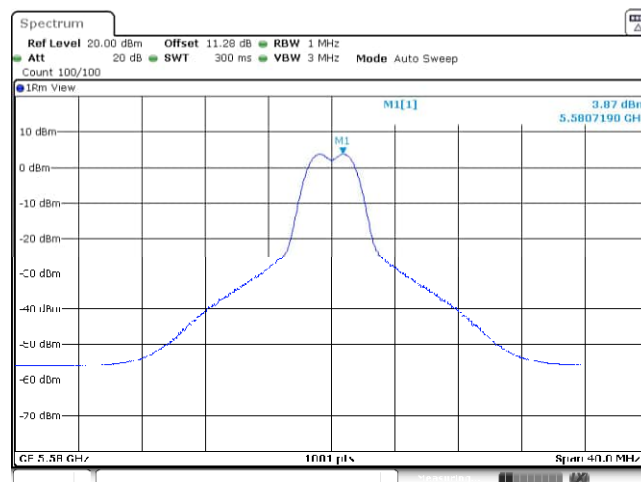


(5.6 GHz Band)

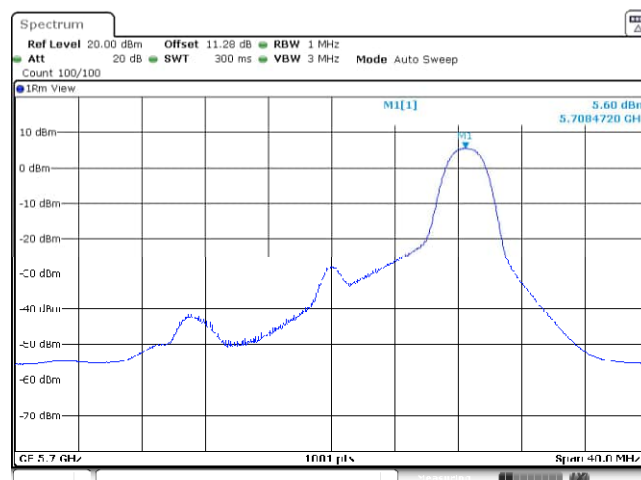
Channel: 100[Chain 0]



Channel: 116[Chain 0]

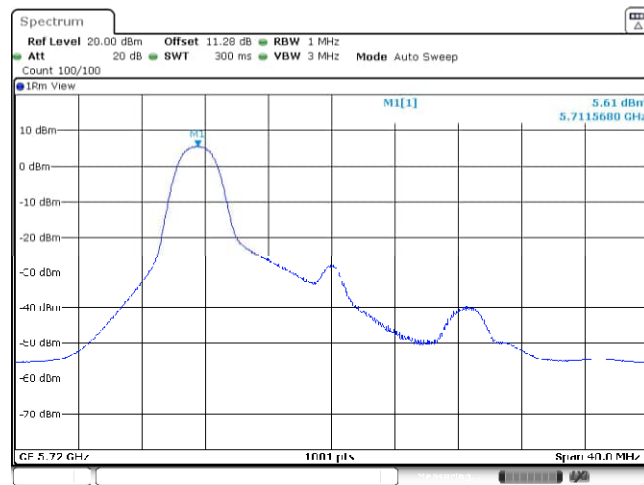


Channel: 140[Chain 0]



(5.6 GHz Band)

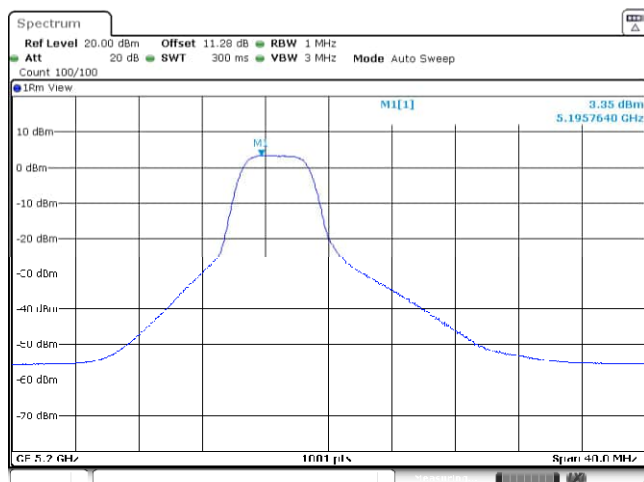
Channel: 144[Chain 0]



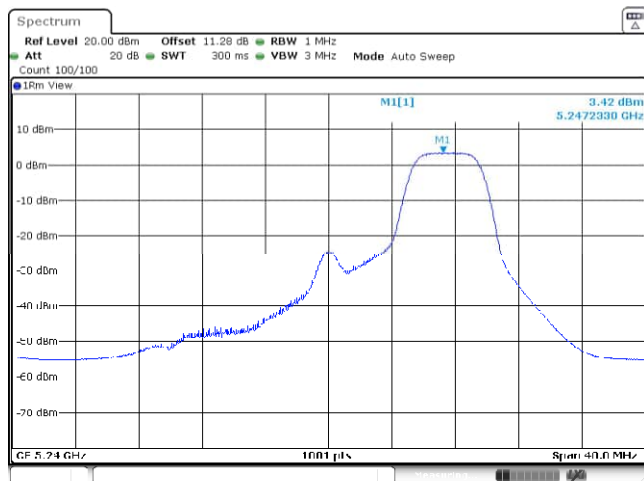
**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



Channel: 40[Chain 0]



Channel: 48[Chain 0]



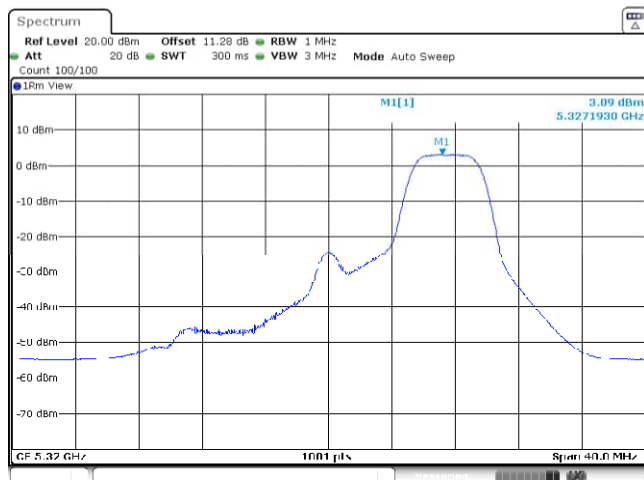
(5.3 GHz Band)
Channel: 52[Chain 0]



Channel: 56[Chain 0]



Channel: 64[Chain 0]



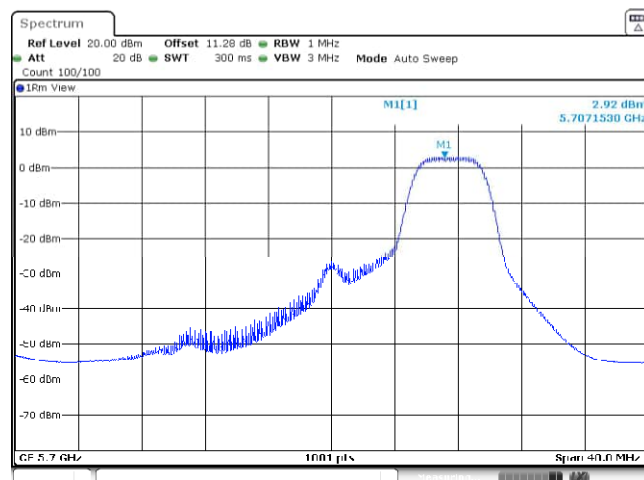
(5.6 GHz Band)
Channel: 100[Chain 0]



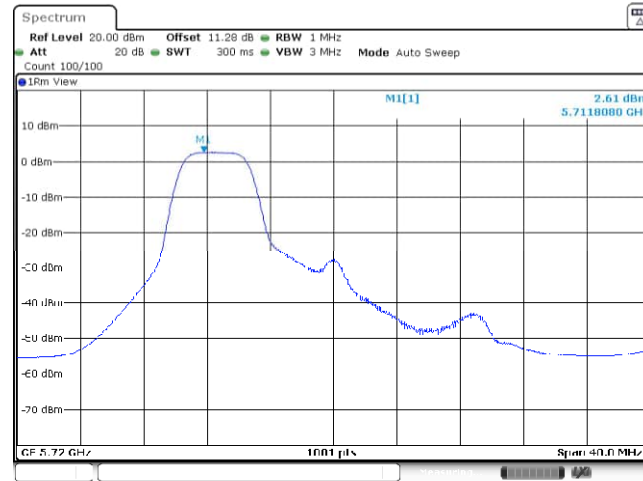
Channel: 116[Chain 0]



Channel: 140[Chain 0]



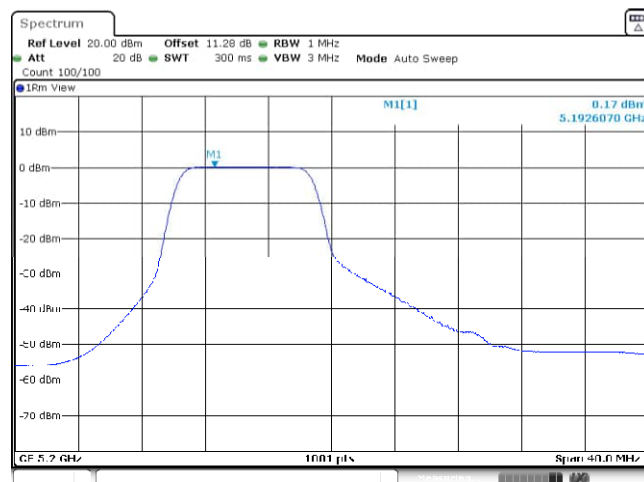
(5.6 GHz Band)
Channel: 144[Chain 0]



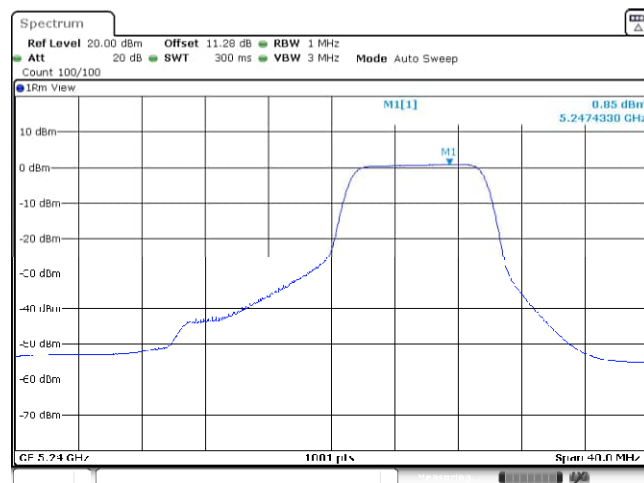
**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



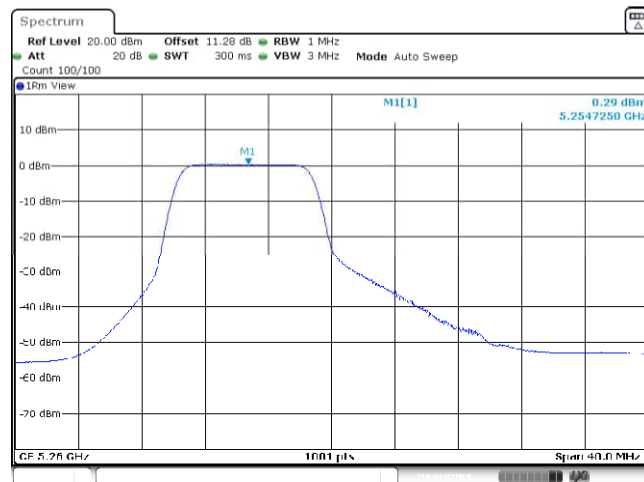
Channel: 40[Chain 0]



Channel: 48[Chain 0]



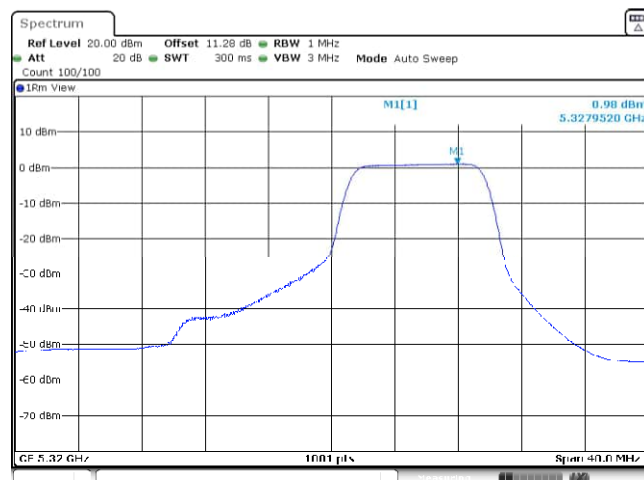
(5.3 GHz Band)
Channel: 52[Chain 0]

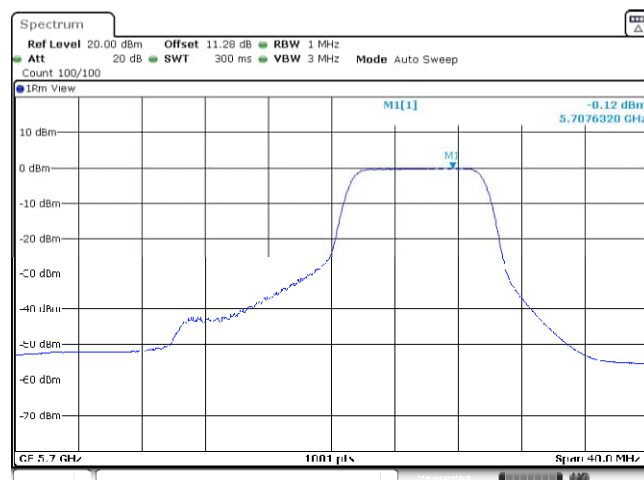


Channel: 56[Chain 0]



Channel: 64[Chain 0]



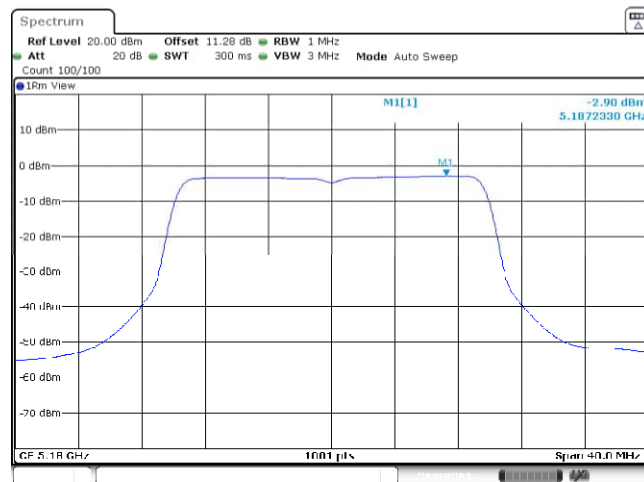
(5.6 GHz Band)**Channel: 100[Chain 0]****Channel: 116[Chain 0]****Channel: 140[Chain 0]**

(5.6 GHz Band)

Channel: 144[Chain 0]



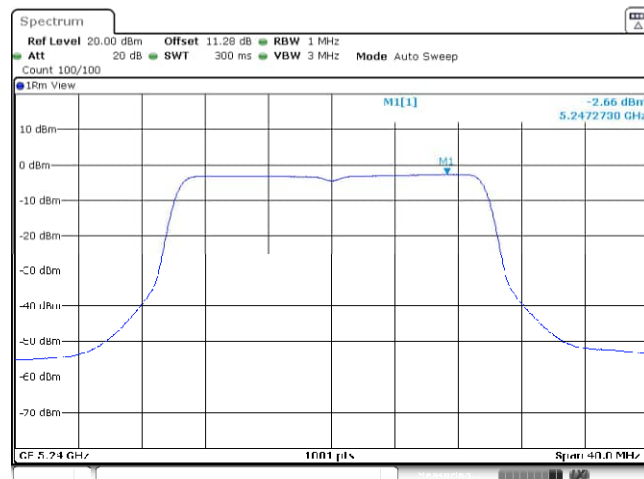
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



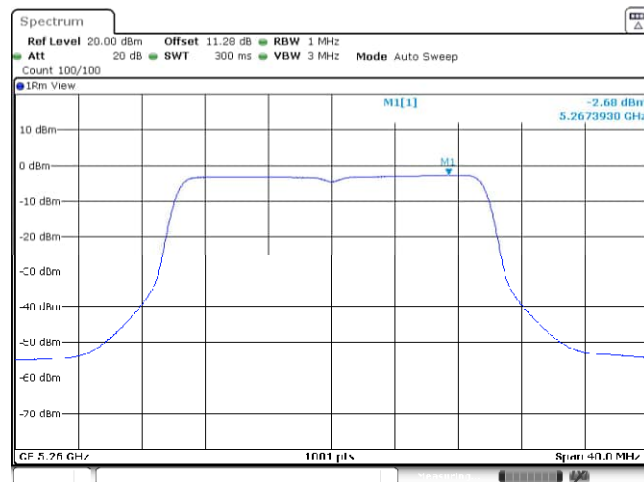
Channel: 40[Chain 0]



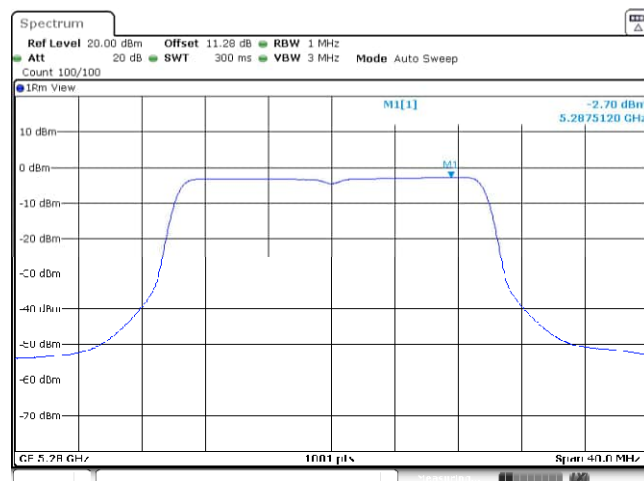
Channel: 48[Chain 0]



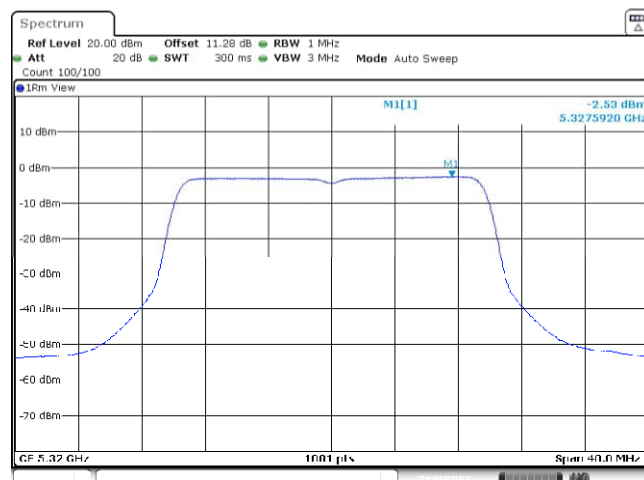
(5.3 GHz Band)
Channel: 52[Chain 0]



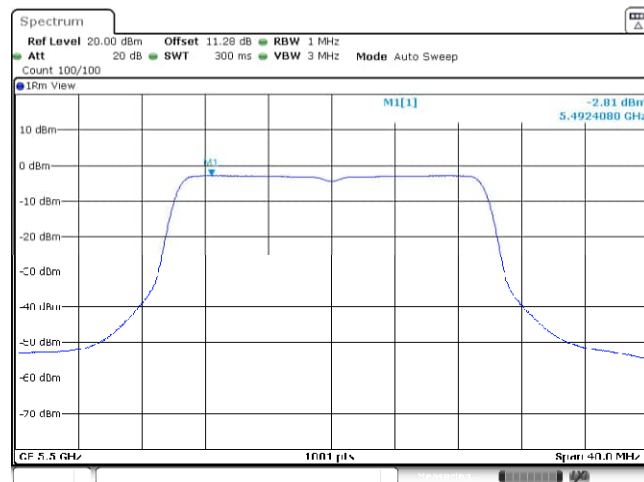
Channel: 56[Chain 0]



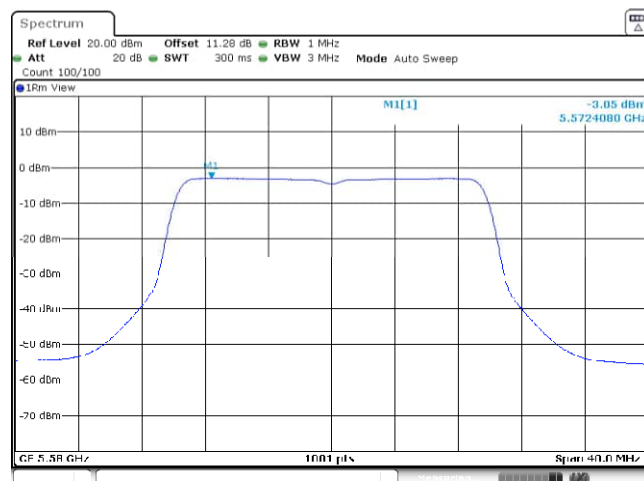
Channel: 64[Chain 0]



(5.6 GHz Band)
Channel: 100[Chain 0]



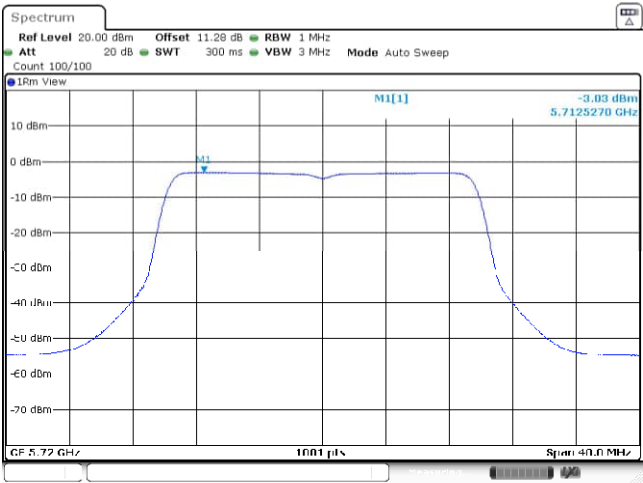
Channel: 116[Chain 0]



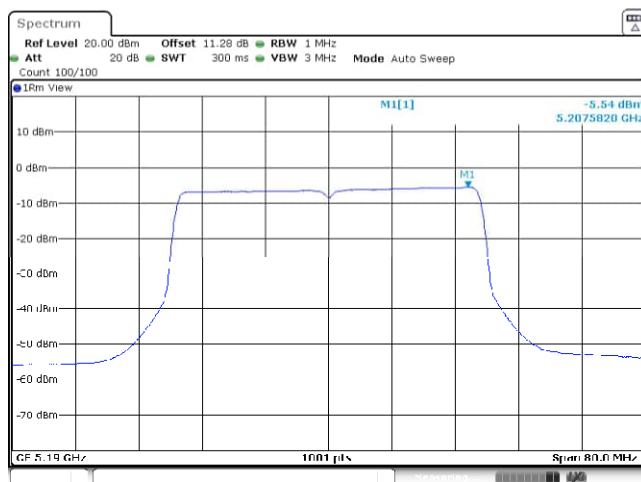
Channel: 140[Chain 0]



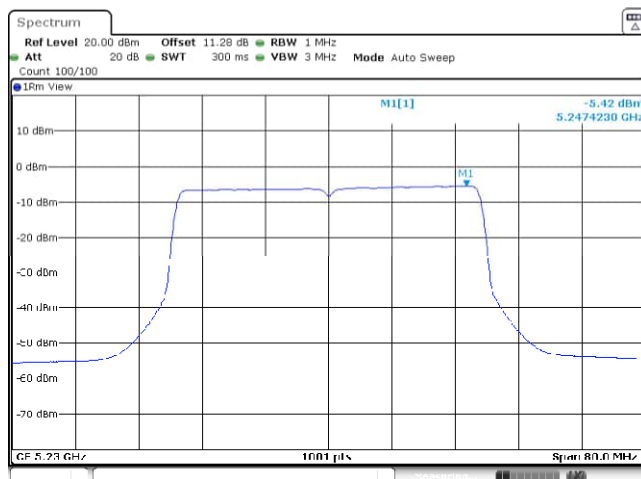
(5.6 GHz Band)
Channel: 144[Chain 0]



**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 0]**



**(5.2 GHz Band)
Channel: 46[Chain 0]**



**(5.3 GHz Band)
Channel: 54[Chain 0]**



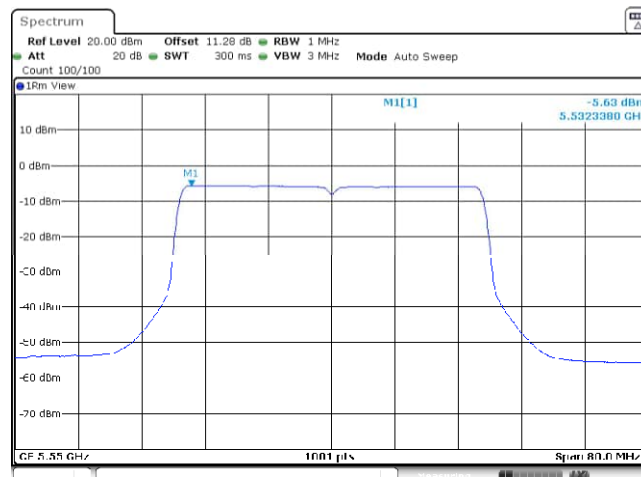
(5.3 GHz Band)
Channel: 62[Chain 0]

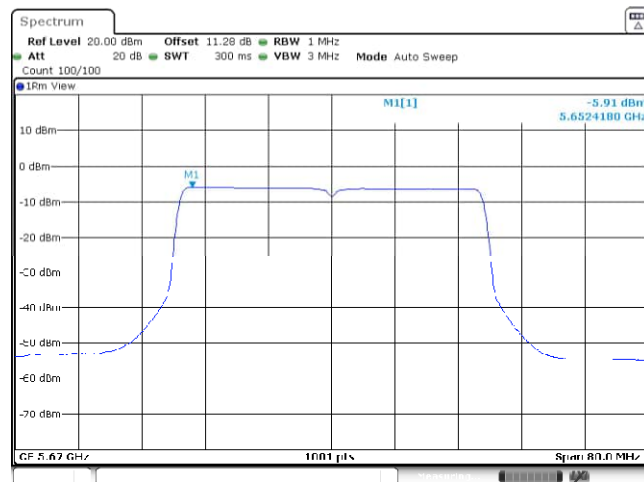
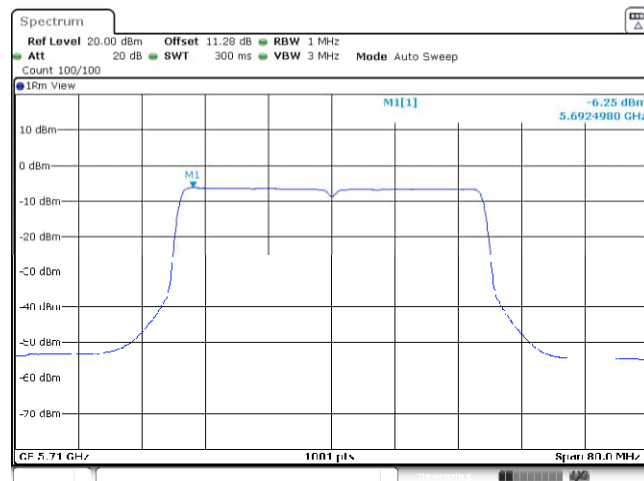


(5.6 GHz Band)
Channel: 102[Chain 0]

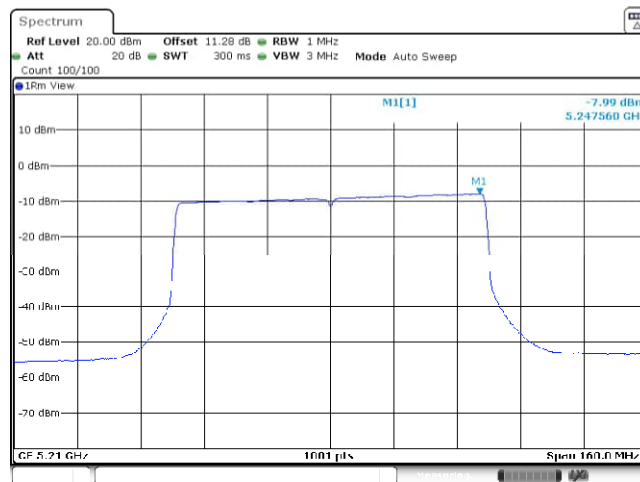


Channel: 110[Chain 0]

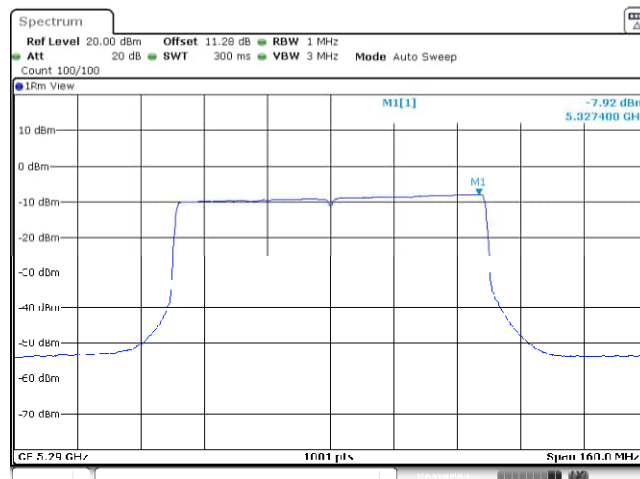


(5.6 GHz Band)**Channel: 134[Chain 0]****(5.6 GHz Band)****Channel: 142[Chain 0]**

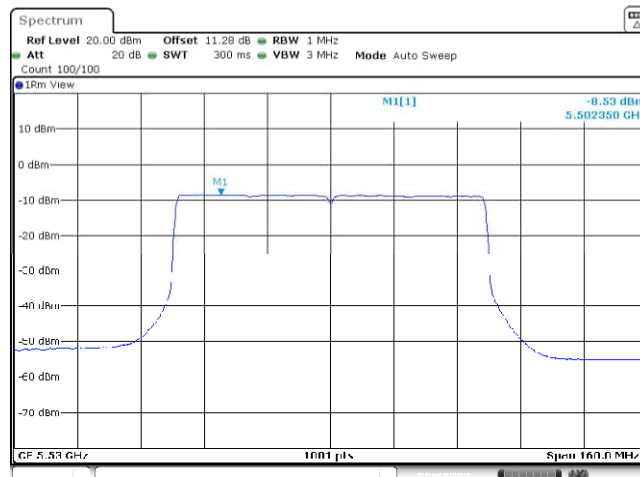
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 0]**



**(5.3GHz Band)
Channel: 58[Chain 0]**

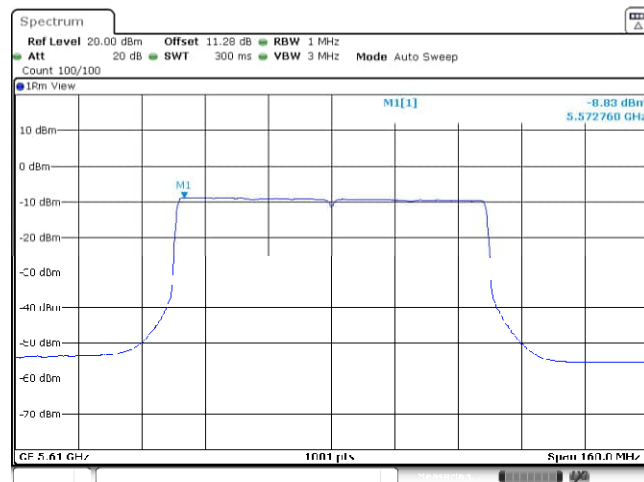


**(5.6GHz Band)
Channel: 106[Chain 0]**

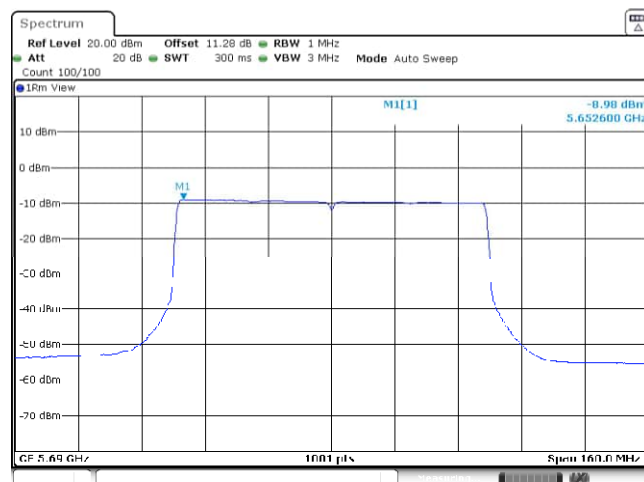


(5.6GHz Band)

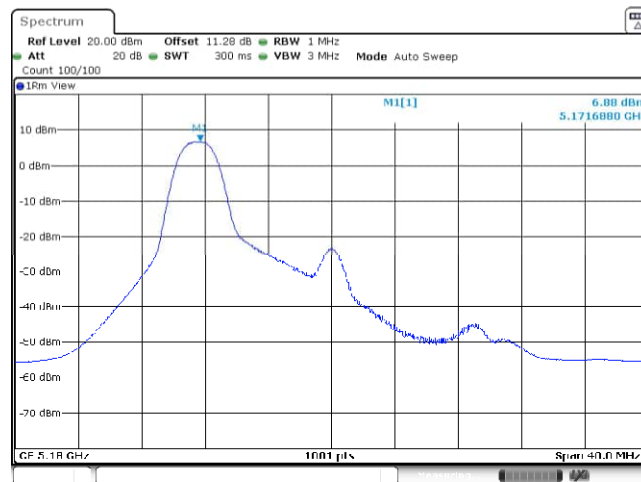
Channel: 122[Chain 0]



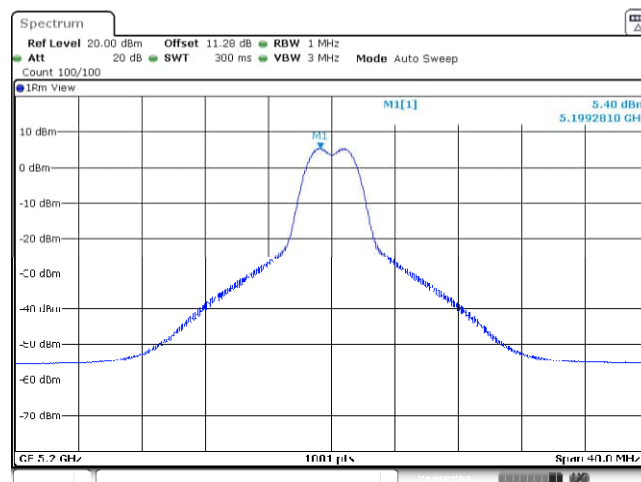
Channel: 138[Chain 0]



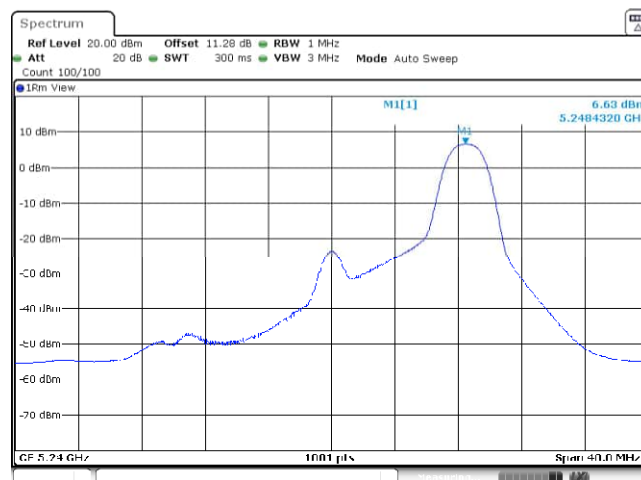
**[IEEE802.11ax_HE20_26-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



Channel: 40[Chain 1]



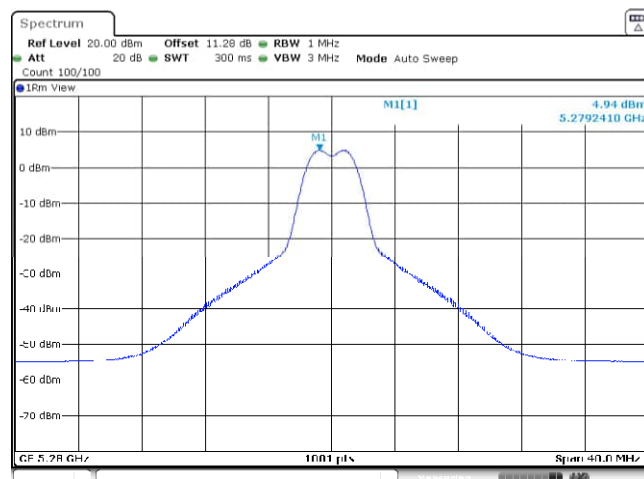
Channel: 48[Chain 1]



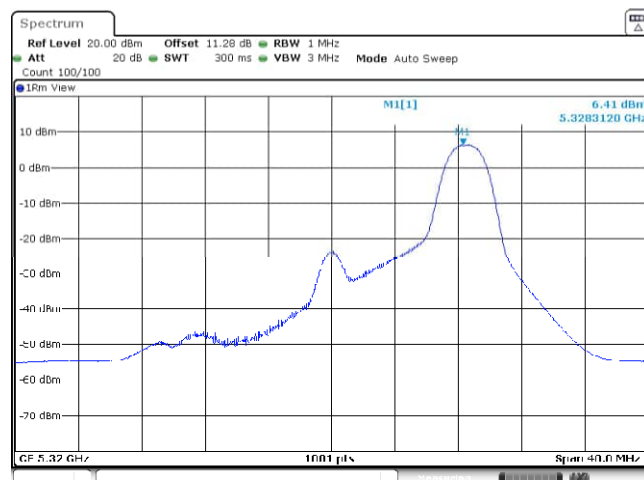
(5.3 GHz Band)
Channel: 52[Chain 1]

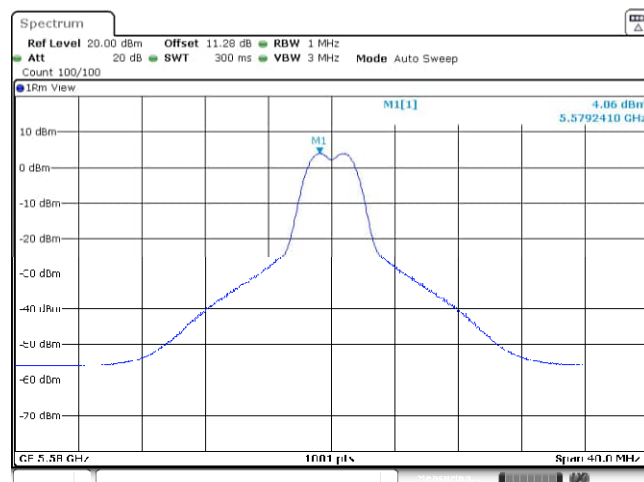
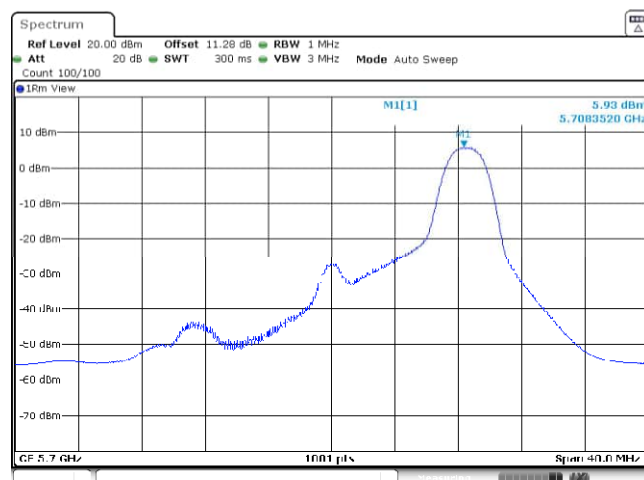


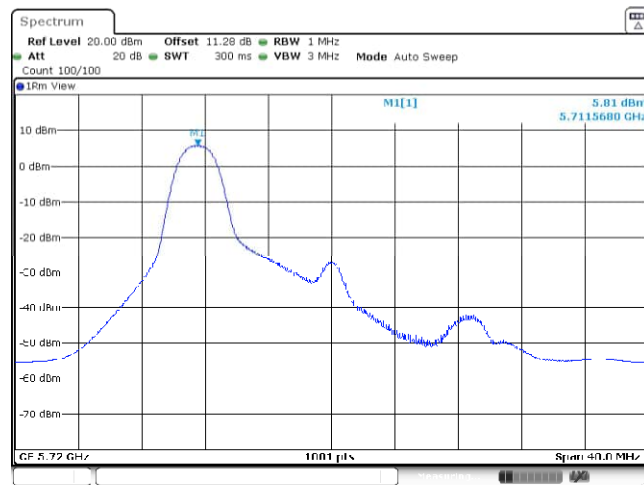
Channel: 56[Chain 1]



Channel: 64[Chain 1]



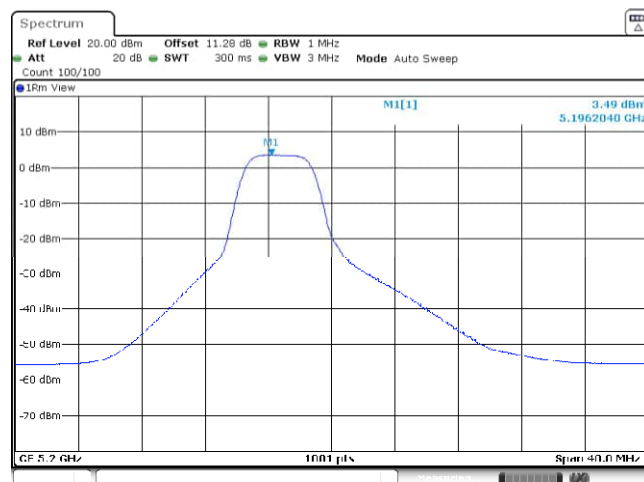
(5.6 GHz Band)**Channel: 100[Chain 1]****Channel: 116[Chain 1]****Channel: 140[Chain 1]**

(5.6 GHz Band)**Channel: 144[Chain 1]**

**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



Channel: 40[Chain 1]



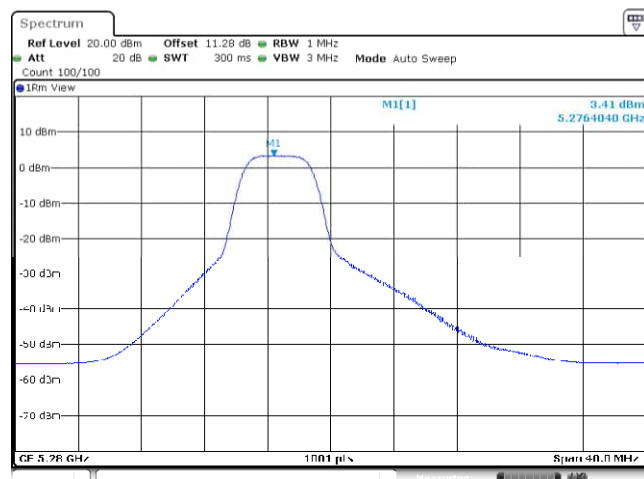
Channel: 48[Chain 1]



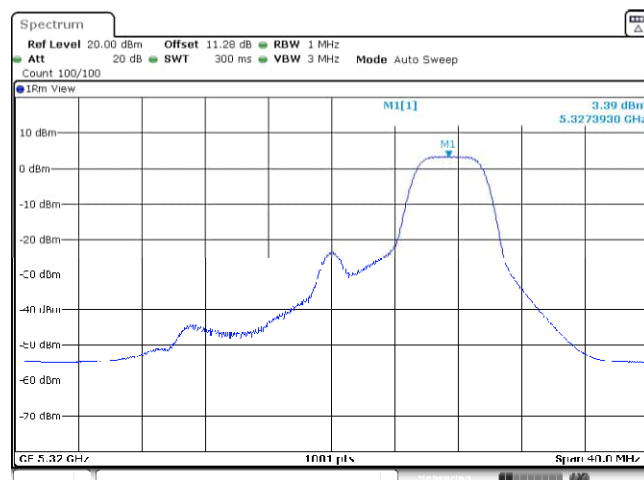
(5.3 GHz Band)
Channel: 52[Chain 1]



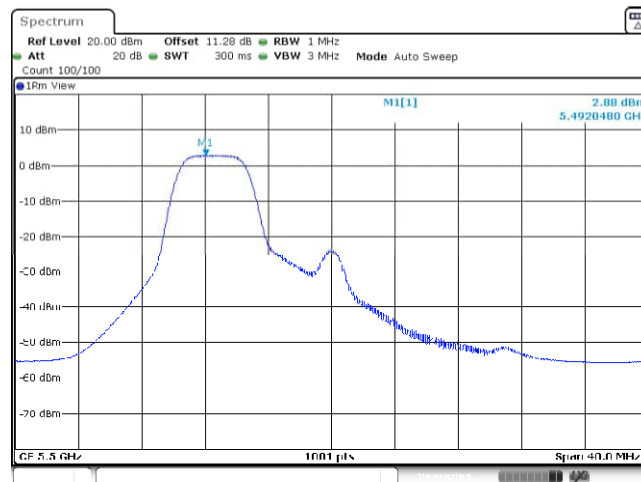
Channel: 56[Chain 1]



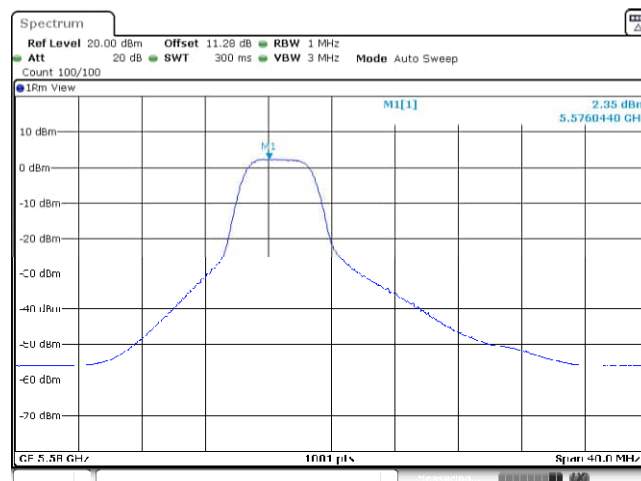
Channel: 64[Chain 1]



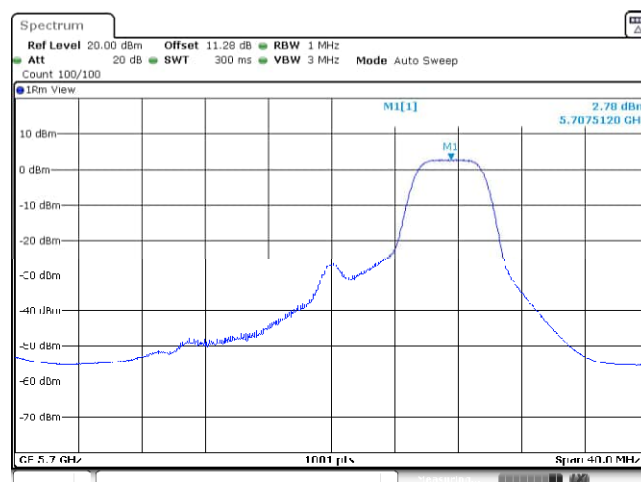
(5.6 GHz Band)
Channel: 100[Chain 1]



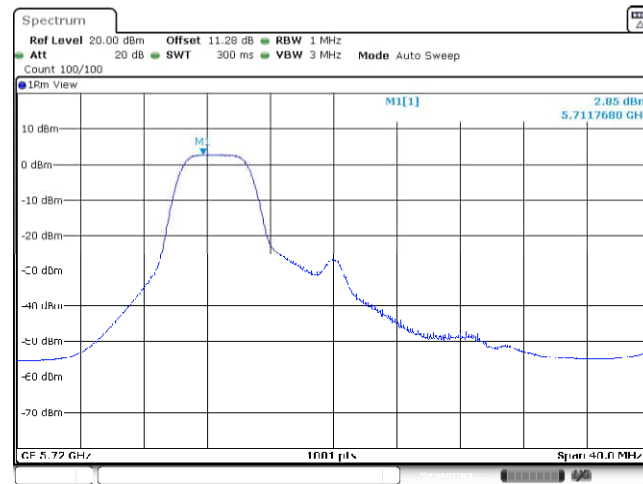
Channel: 116[Chain 1]



Channel: 140[Chain 1]



(5.6 GHz Band)
Channel: 144[Chain 1]



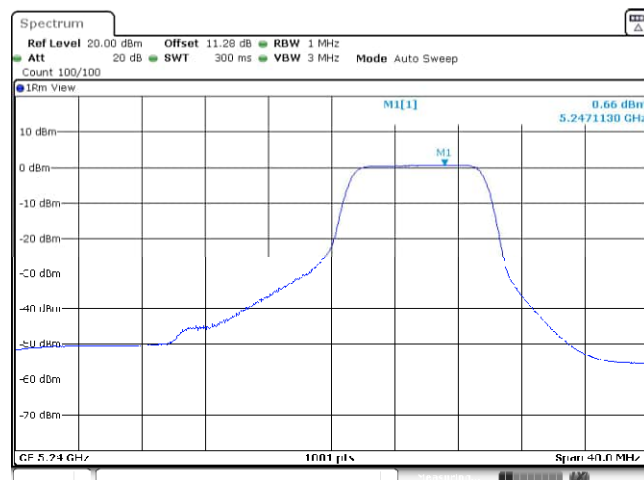
**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



Channel: 40[Chain 1]



Channel: 48[Chain 1]



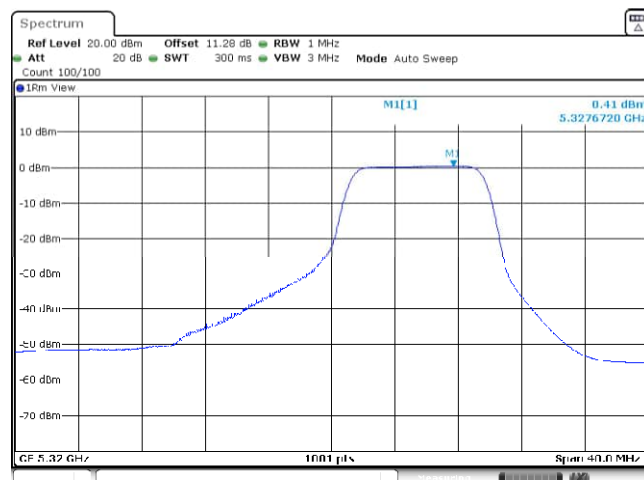
(5.3 GHz Band)
Channel: 52[Chain 1]

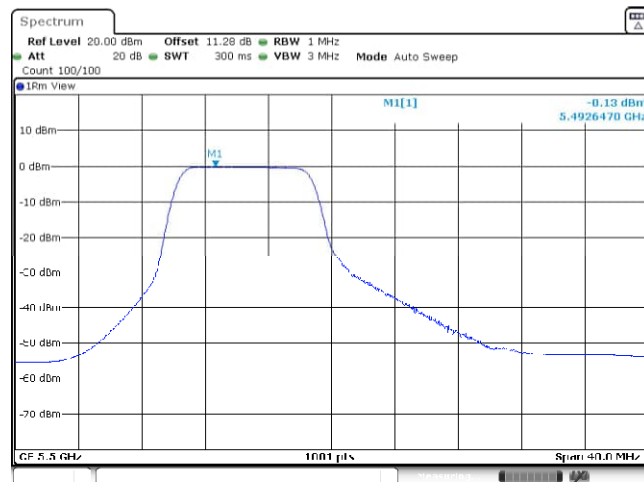
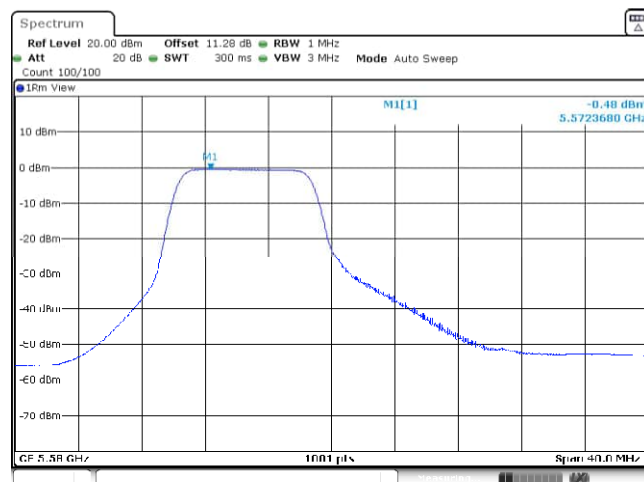
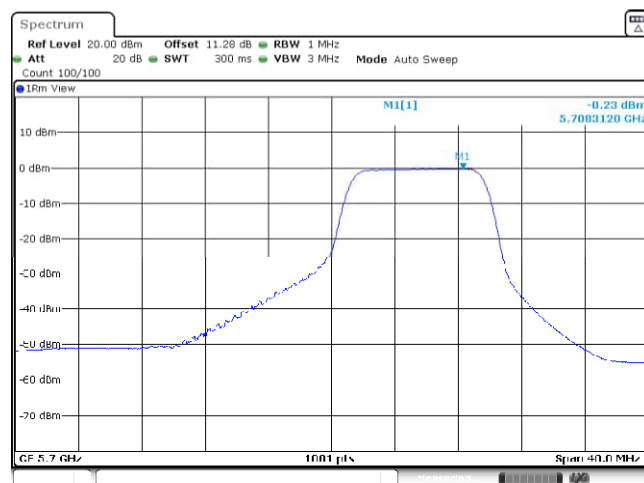


Channel: 56[Chain 1]



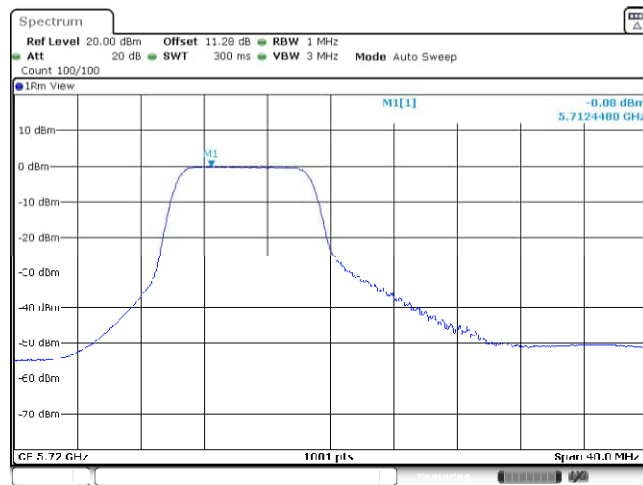
Channel: 64[Chain 1]



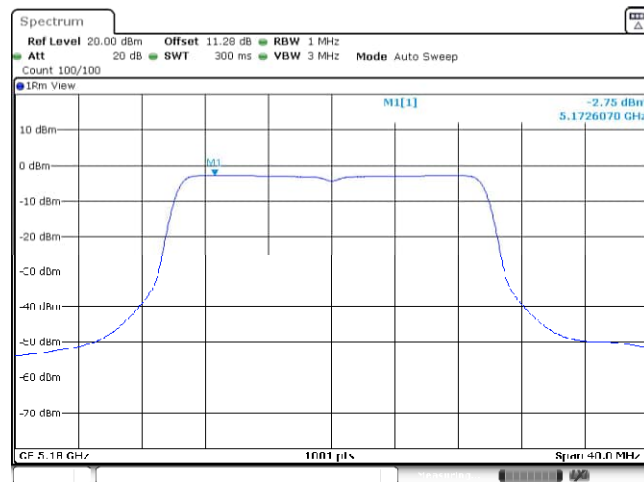
(5.6 GHz Band)**Channel: 100[Chain 1]****Channel: 116[Chain 1]****Channel: 140[Chain 1]**

(5.6 GHz Band)

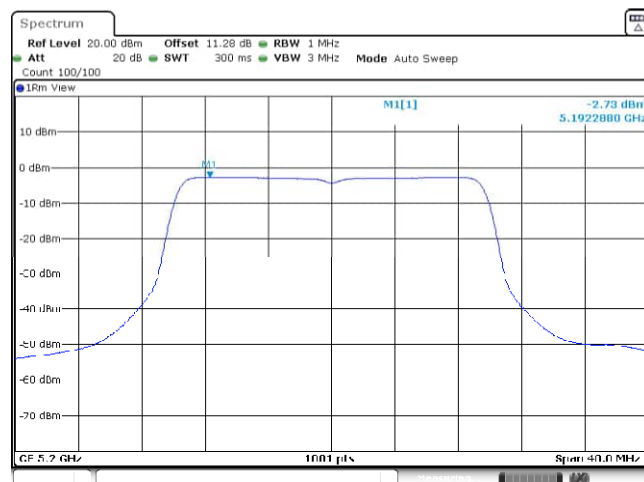
Channel: 144[Chain 1]



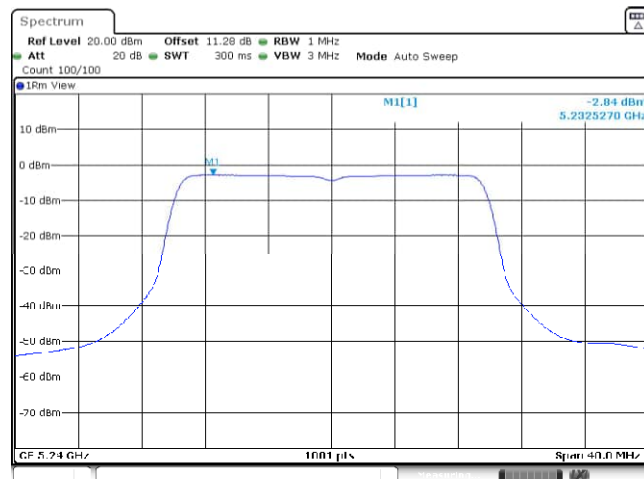
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



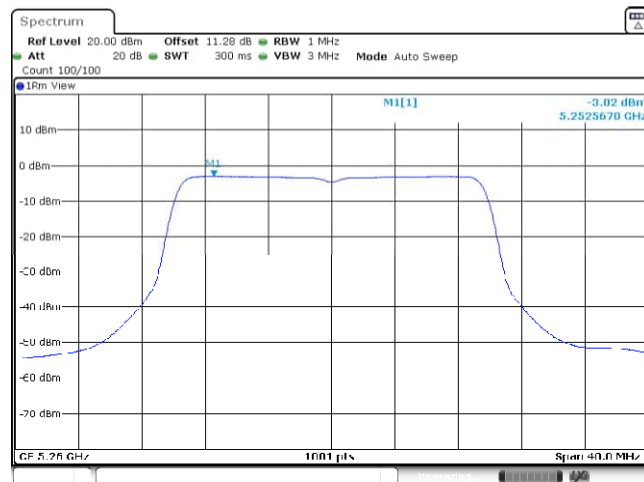
Channel: 40[Chain 1]



Channel: 48[Chain 1]



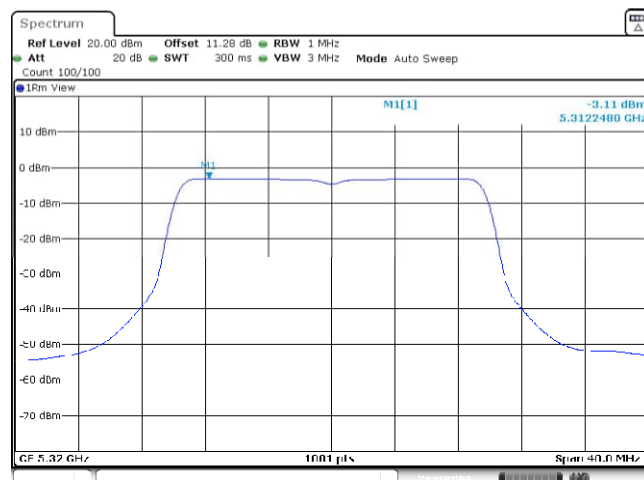
(5.3 GHz Band)
Channel: 52[Chain 1]



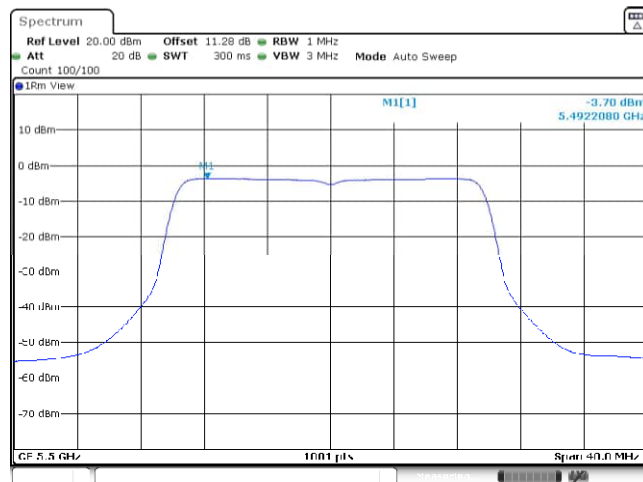
Channel: 56[Chain 1]



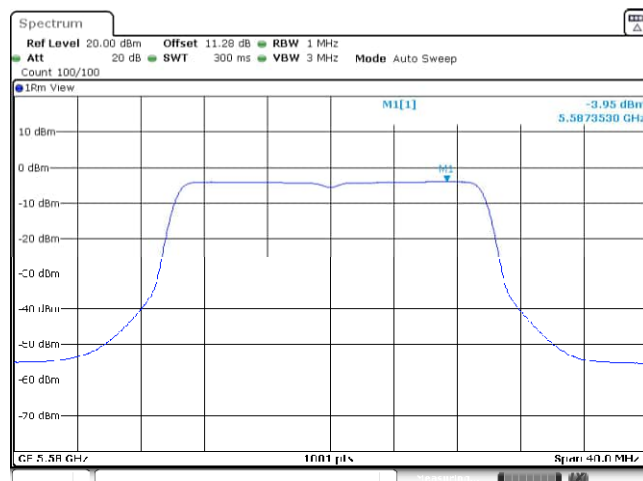
Channel: 64[Chain 1]



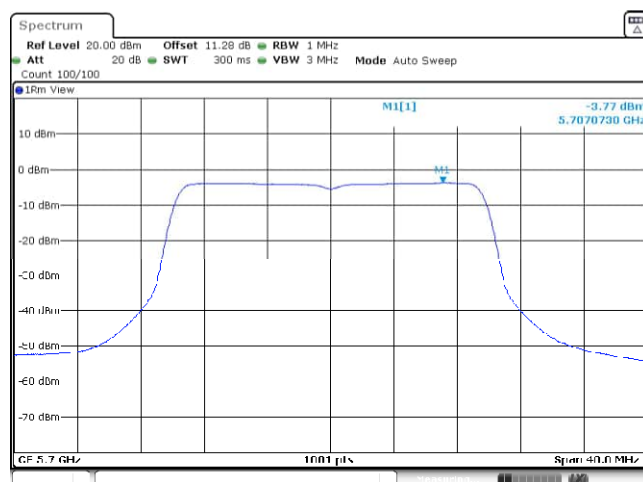
(5.6 GHz Band)
Channel: 100[Chain 1]



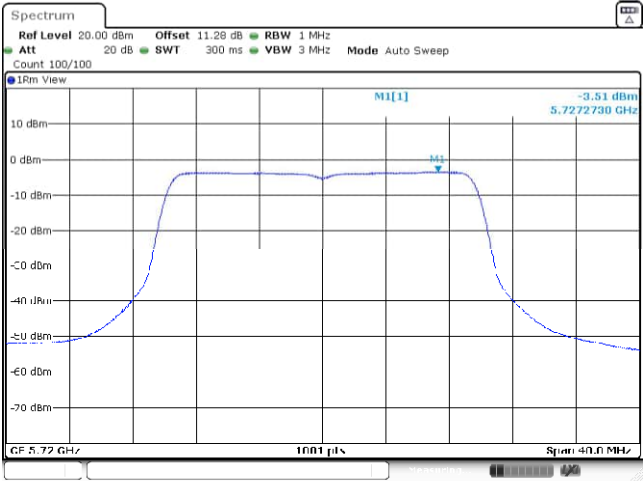
Channel: 116[Chain 1]



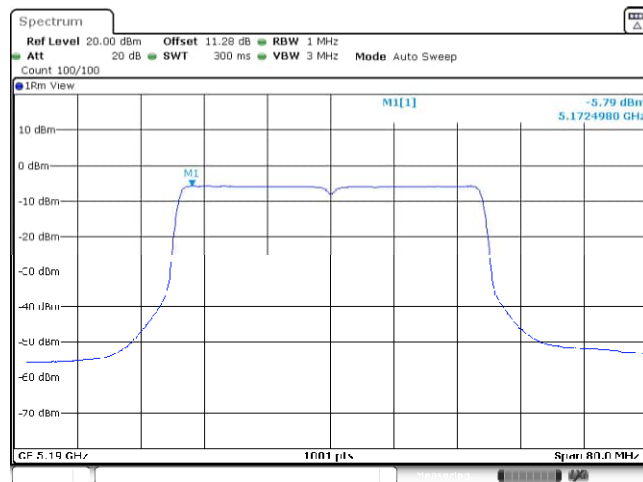
Channel: 140[Chain 1]



(5.6 GHz Band)
Channel: 144[Chain 1]



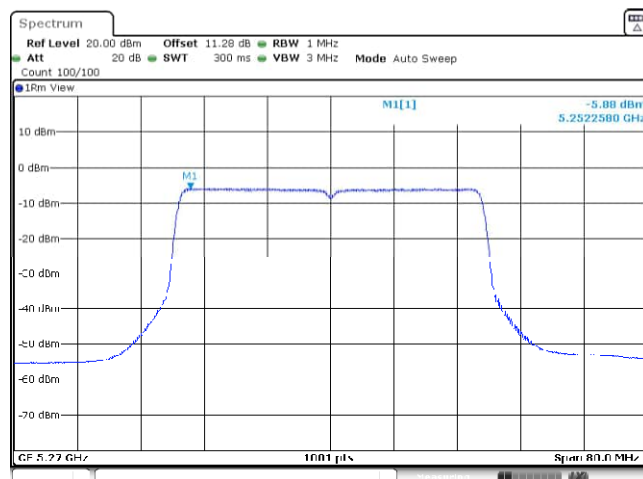
**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 1]**



**(5.2 GHz Band)
Channel: 46[Chain 1]**



**(5.3 GHz Band)
Channel: 54[Chain 1]**



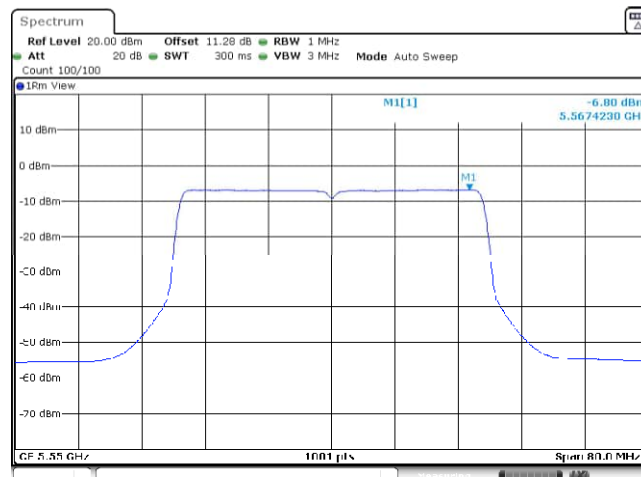
(5.3 GHz Band)
Channel: 62[Chain 1]

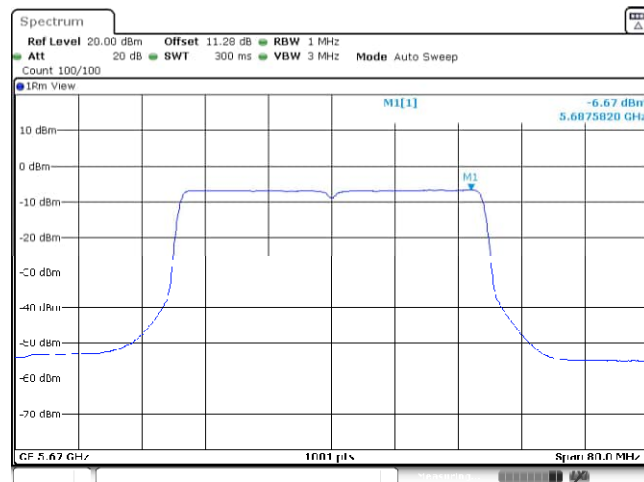
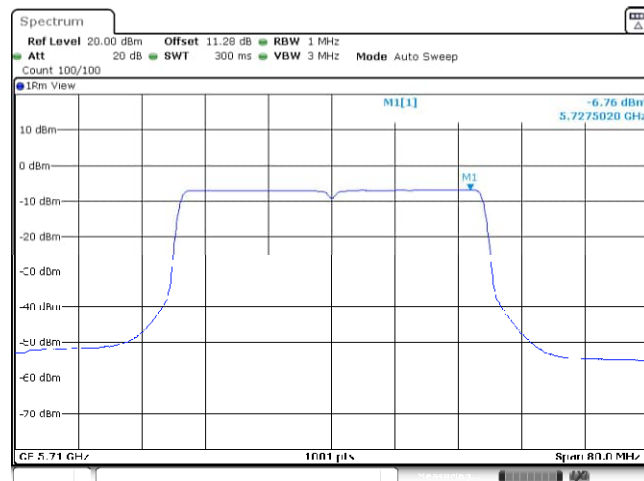


(5.6 GHz Band)
Channel: 102[Chain 1]

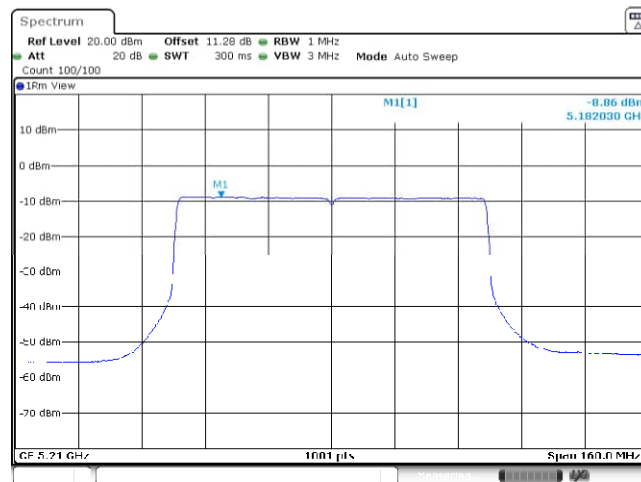


Channel: 110[Chain 1]

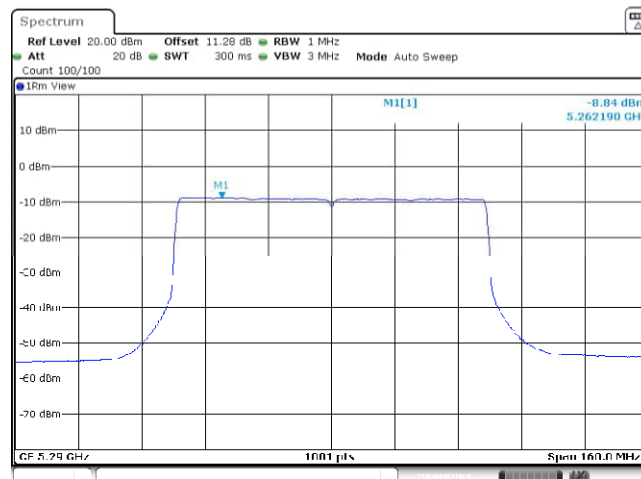


(5.6 GHz Band)**Channel: 134[Chain 1]****(5.6 GHz Band)****Channel: 142[Chain 1]**

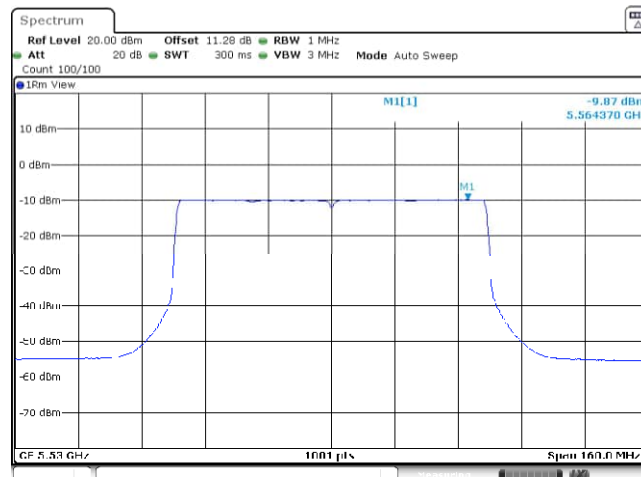
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 1]**

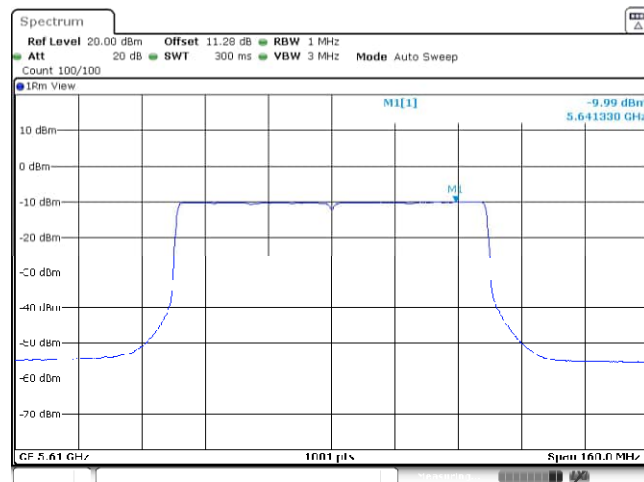
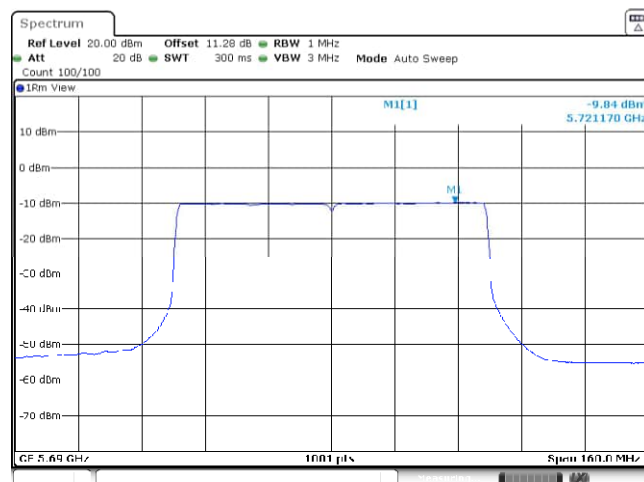


**(5.3GHz Band)
Channel: 58[Chain 1]**



**(5.6GHz Band)
Channel: 106[Chain 1]**



(5.6GHz Band)**Channel: 122[Chain 1]****Channel: 138[Chain 1]**

4.4 Radiated Emissions (Restricted Bands of Operation)

4.4.1 Measurement procedure

[FCC 15.407(b), 15.205, 15.209, KDB 789033 D02, Section G.4, 5, 6.c) Method AD]

Test was applied by following conditions.

Test method	: ANSI C63.10
Frequency range	: 9 kHz to 40 GHz
Test place	: 3m Semi-anechoic chamber
EUT was placed on	: Styrofoam table / (W) 1.0 × (D) 1.0 × (H) 0.8 m (below 1 GHz) Styrofoam table / (W) 0.6 × (D) 0.6 × (H) 1.5 m (above 1 GHz)
Antenna distance	: 3m
Test receiver setting	Below 1 GHz
- Detector	: Quasi-peak
- Bandwidth	: 120 kHz
Spectrum analyzer setting	Above 1 GHz
- Peak	: RBW=1 MHz, VBW=3 MHz, Span=0 Hz, Sweep=auto, Detector=Peak Trace mode=Max hold
- Average	: RBW=1 MHz, VBW=3 MHz, Span=0 Hz, Sweep=auto, Detector=RMS Trace mode=Averaging (300 counts)

Radiated emission measurements are performed at 3m distance with the broadband antenna (Loop antenna, Biconical antenna, Log periodic antenna, Double ridged guide antenna and Broad-band horn Antenna). The antenna is positioned both the horizontal and vertical planes of polarization and height is varied 1m to 4m and stopped at height producing the maximum emission. As for the Loop antenna, it is positioned with its plane vertical, and the center of the Loop antenna is 1m above the ground plane.

The EUT is Placed on a turntable, which is 0.8m (below 1 GHz) and 1.5m (above 1 GHz) above ground plane. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. The test results represent the worst case emission for each emission with manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation. Sufficient time for the EUT, support equipment, and test equipment are allowed in order for them to warm up to their normal operating condition.

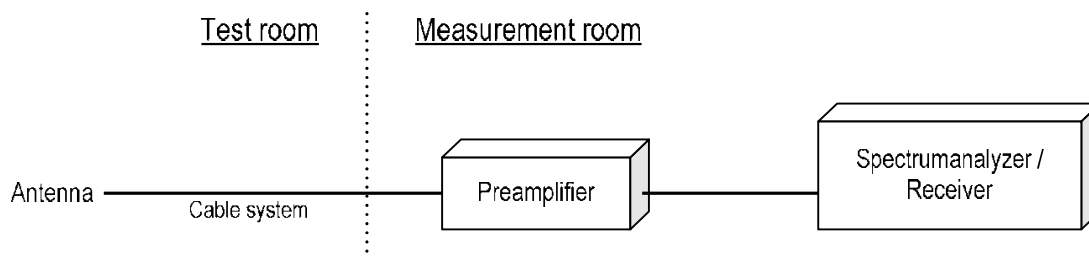
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.

- Tx mode, Rx mode

- Test configuration



Duty cycle result

Mode	Band	On Time(ms)	On+Off Time(ms)	Duty Cycle (%)	DCF (dB)
802.11ax 20MHz RU: 26-4	W52	5.085	5.378	94.6	0.241
	W53	5.085	5.378	94.6	0.241
	W56	5.085	5.378	94.6	0.241
802.11ax 20MHz RU: 52-38	W52	5.070	5.363	94.5	0.246
	W53	5.070	5.363	94.5	0.246
	W56	5.070	5.363	94.5	0.246
802.11ax 20MHz RU: 106-53	W52	3.891	4.118	94.6	0.246
	W53	3.891	4.118	94.6	0.246
	W56	3.891	4.118	94.6	0.246
802.11ax 20MHz RU: 242-61	W52	1.735	1.850	93.8	0.278
	W53	1.735	1.850	93.8	0.278
	W56	1.735	1.850	93.8	0.278
802.11ax 40MHz RU: 484-65	W52	0.904	0.969	93.3	0.301
	W53	0.904	0.969	93.3	0.301
	W56	0.904	0.969	93.3	0.301
802.11ax 80MHz RU: 996-67	W52	0.663	0.715	92.7	0.329
	W53	0.663	0.715	92.7	0.329
	W56	0.663	0.715	92.7	0.329

Note: DCF = $10\log(1/x)$

4.4.2 Calculation method

[150 kHz to 25 GHz]

Emission level = Reading + (Ant. factor + Cable system loss - Amp. Gain)

Margin = Limit - Emission level

Example:

Detector: Peak

Limit @ 5147.0 MHz: 74.0 dBuV/m (Peak Limit)

S.A Reading = 40.9 dBuV Cable system loss = 16.4 dB

Result = 40.9 + 16.4 = 57.3 dBuV/m

Margin = 74.0 - 57.3 = 16.7 dB

4.4.3 Limit

- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725GHz band: all emissions outside of the 5.47 5-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.

Frequency [MHz]	Field strength		Distance [m]
	[uV/m]	[dBuV/m]	
0.009-0.490	2400 / F [kHz]	20logE [uV/m]	300
0.490-1.705	24000 / F [kHz]	20logE [uV/m]	30
1.705-30	30	29.5	30
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level [dBuV/m] = 20log Emission [uV/m]
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition modulation.

4.4.4 Test data

Date : 26-November-2025
Temperature : 21.3 [°C]
Humidity : 33.9 [%]
Test place : 3m Semi-anechoic chamber

Test engineer : Tadahiro Seino

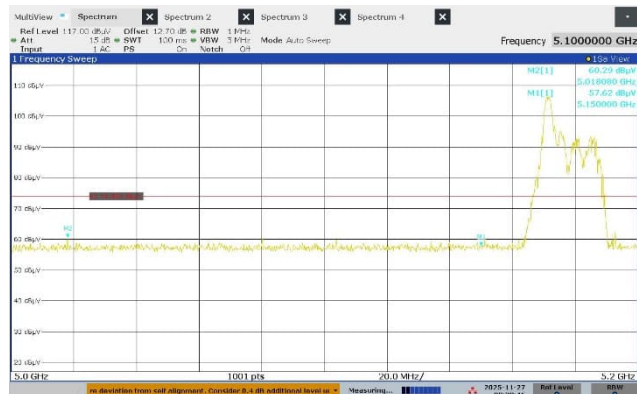
Date : 27-November-2025
Temperature : 22.5 [°C]
Humidity : 30.4 [%]
Test place : 3m Semi-anechoic chamber

Test engineer : Tadahiro Seino

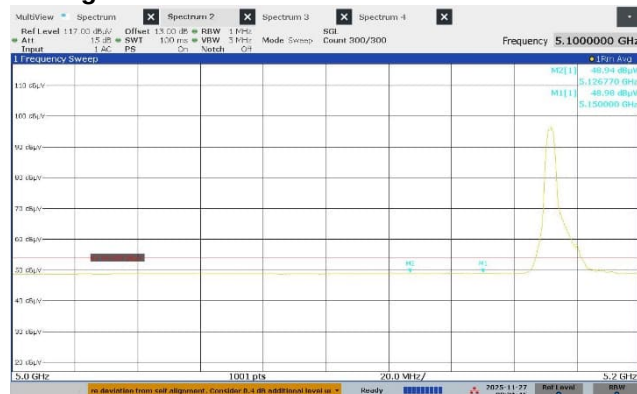
4.4.4.1 Restricted Bandedge

[IEEE802.11ax_HE20_26-Tones]

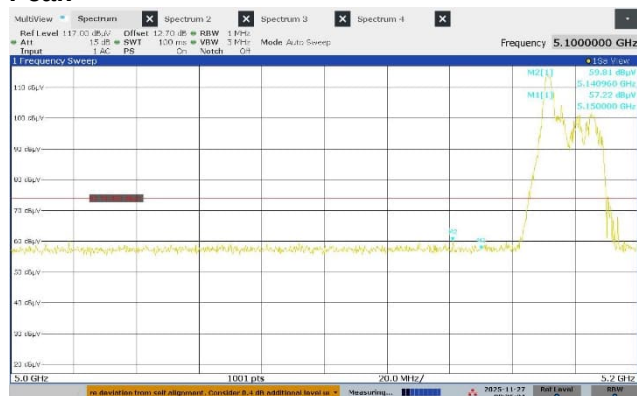
5.2 GHz Band, Channel Low Horizontal Peak



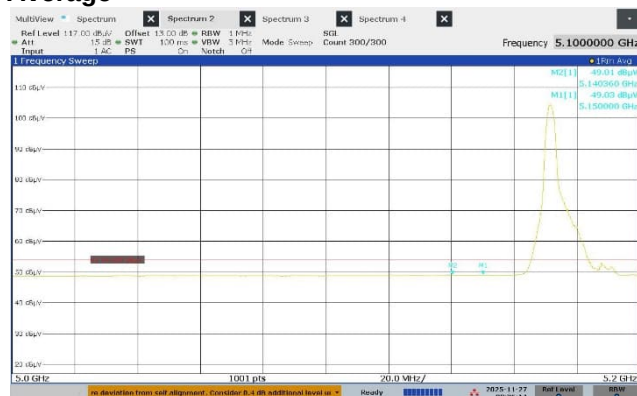
Average



Vertical Peak

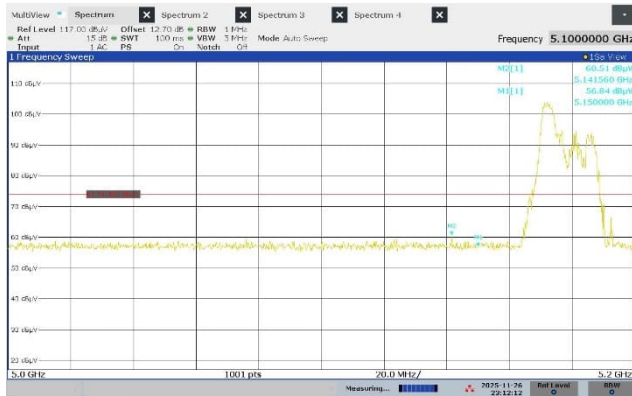


Average

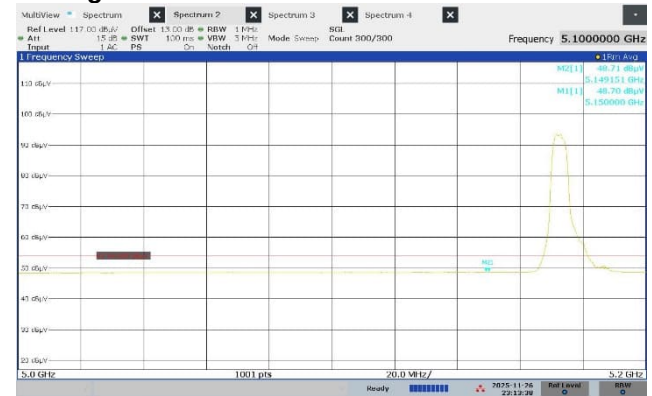


[IEEE802.11ax_HE20_52-Tones]

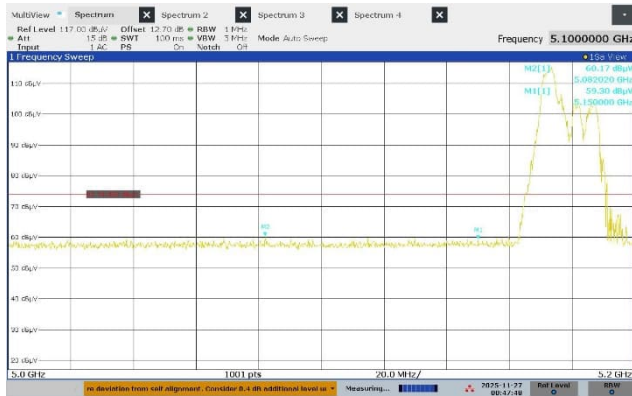
5.2 GHz Band, Channel Low Horizontal Peak



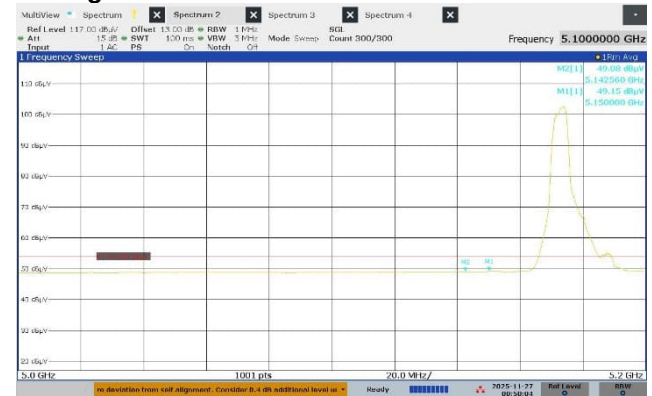
Average



Vertical Peak

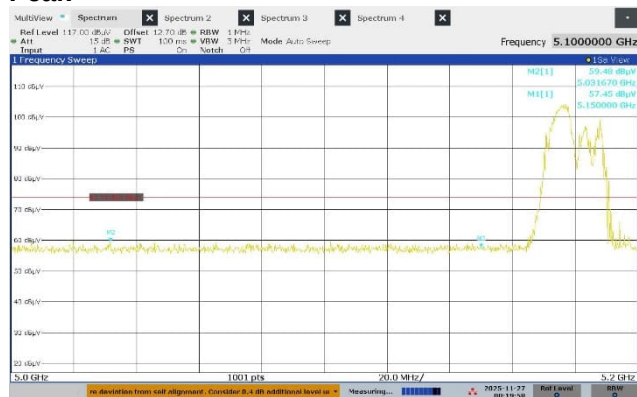


Average

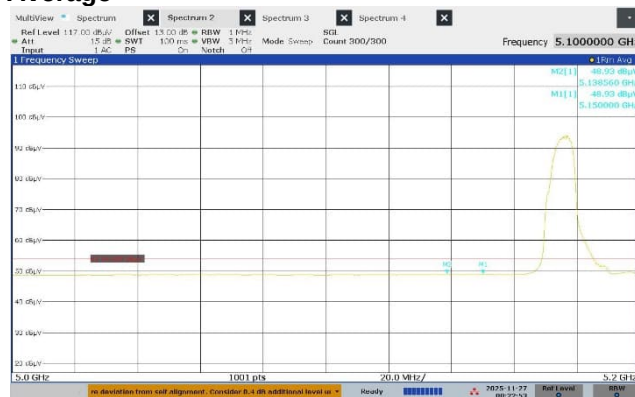


[IEEE802.11ax_HE20_106-Tones]

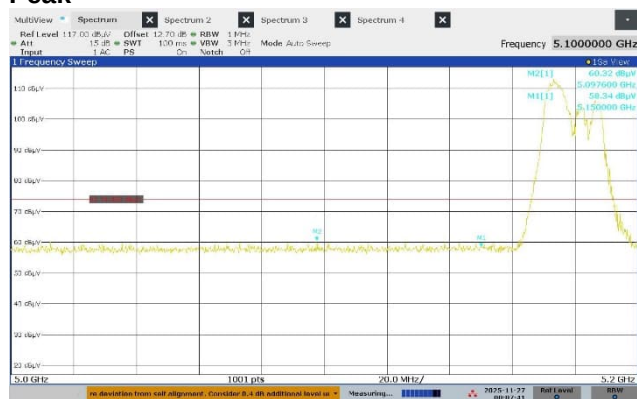
5.2 GHz Band, Channel Low Horizontal Peak



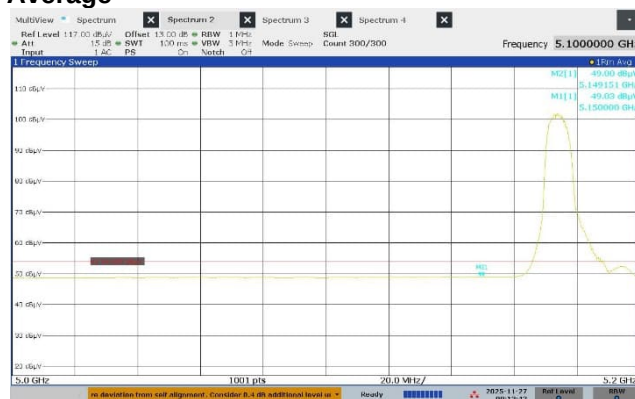
Average



Vertical Peak

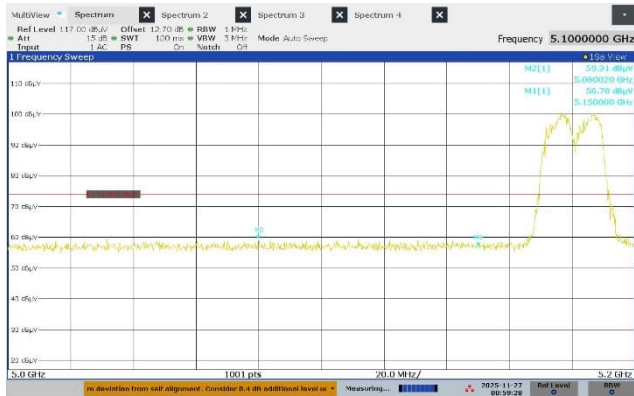


Average

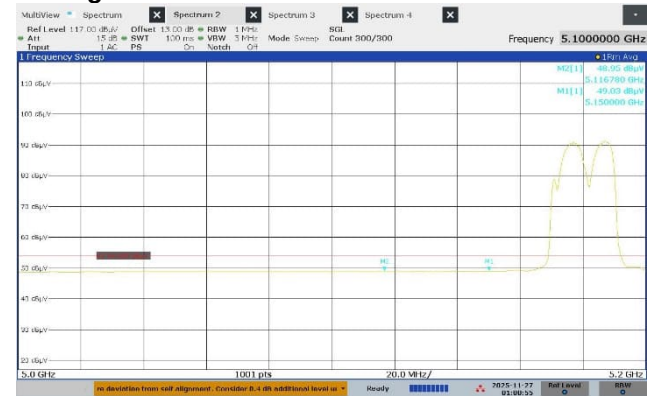


[IEEE802.11ax_HE20_242-Tones]

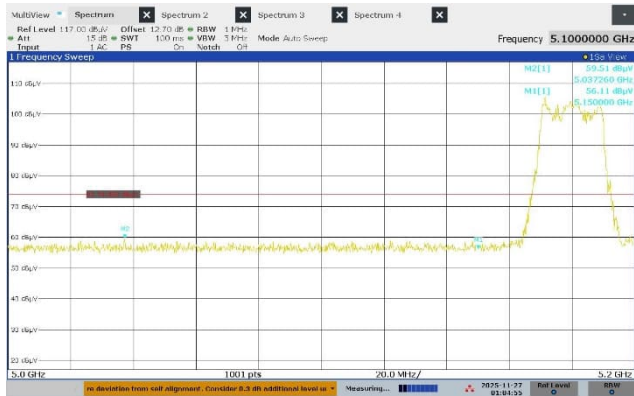
5.2 GHz Band, Channel Low Horizontal Peak



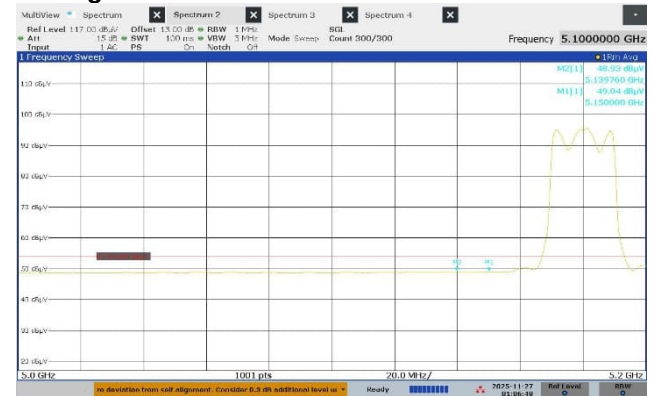
Average



Vertical Peak

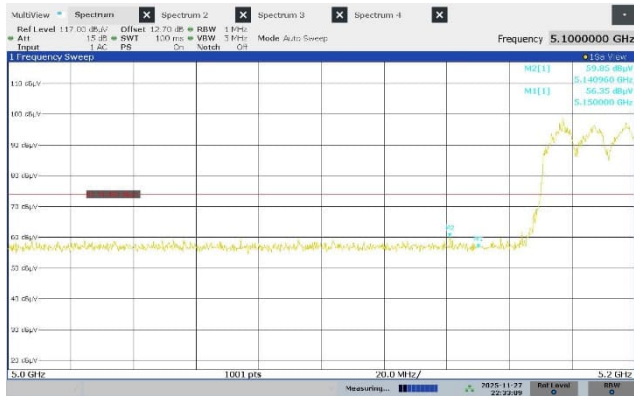


Average

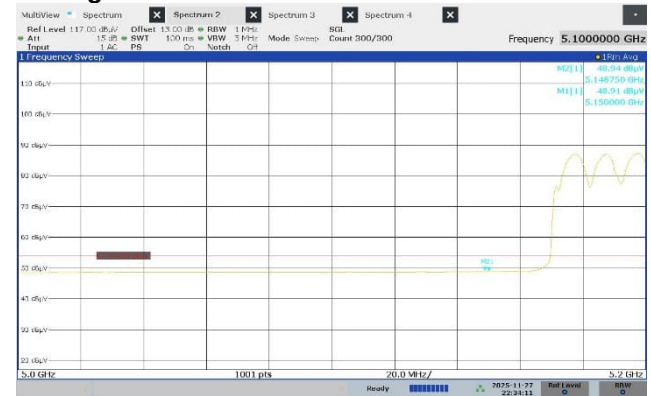


[IEEE802.11ax_HE40_484-Tones]

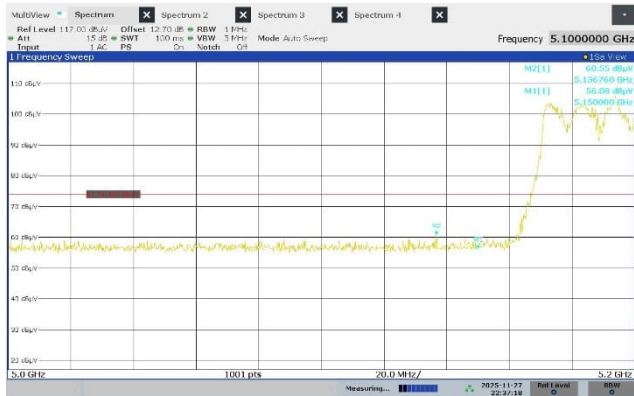
5.2 GHz Band, Channel Low Horizontal Peak



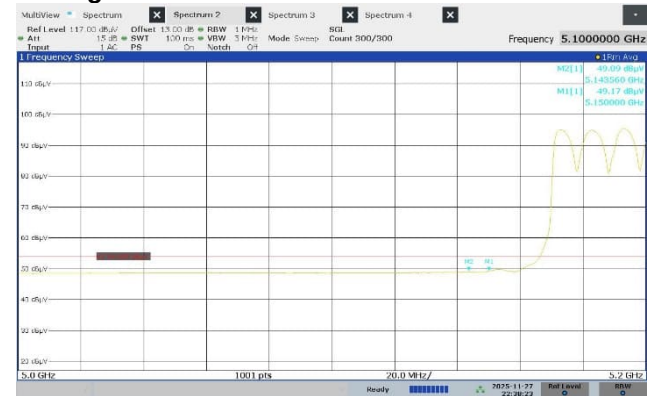
Average



Vertical Peak

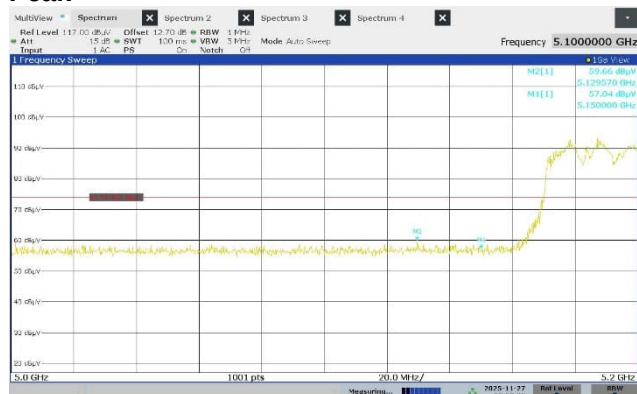


Average

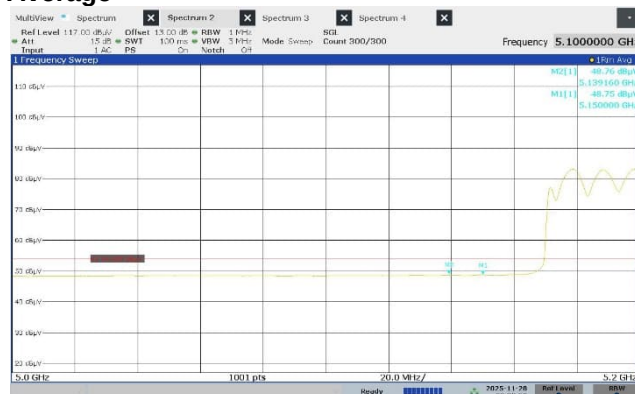


[IEEE802.11ax_HE80_996-Tones]

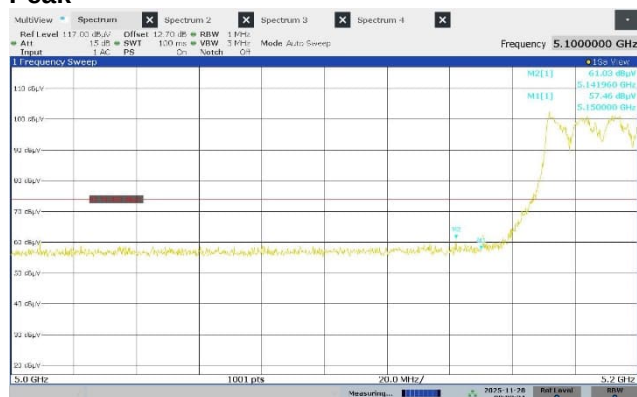
5.2 GHz Band, Channel Low Horizontal Peak



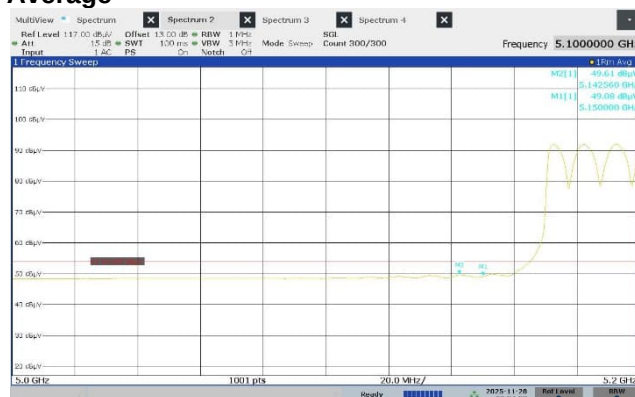
Average



Vertical Peak

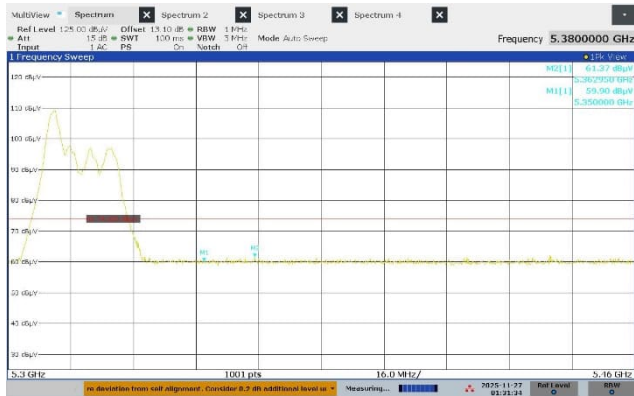


Average

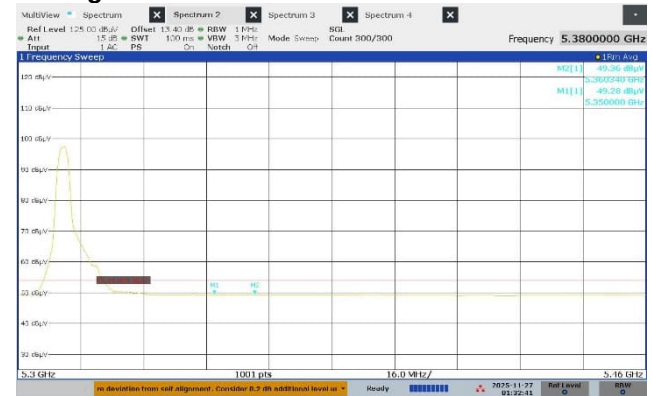


[IEEE802.11ax_HE20_26-Tones]

5.3 GHz Band, Channel High Horizontal Peak



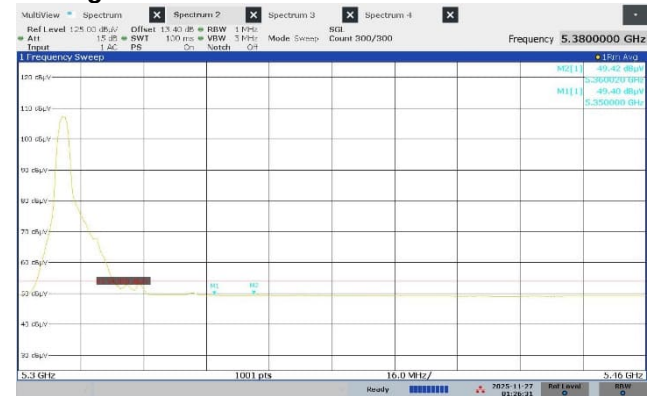
Average



Vertical Peak

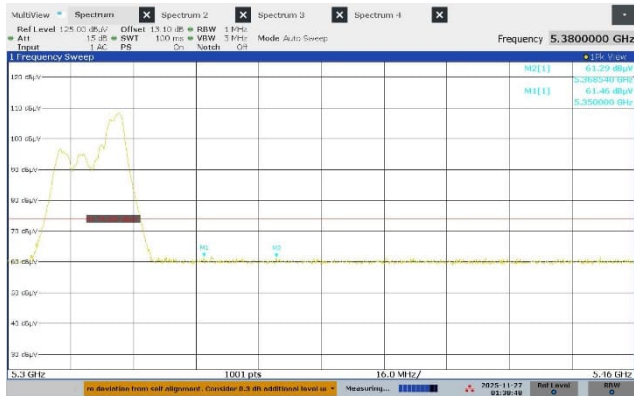


Average

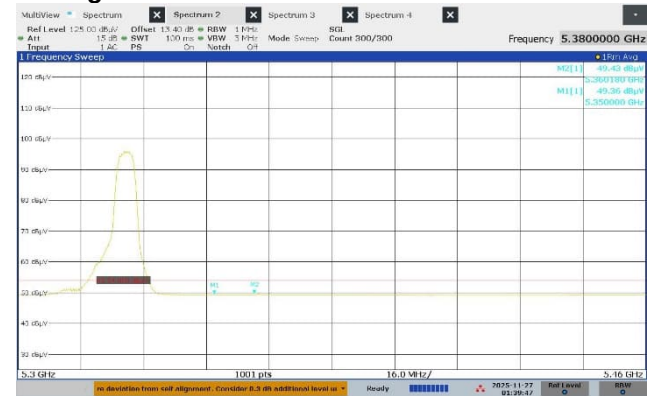


[IEEE802.11ax_HE20_52-Tones]

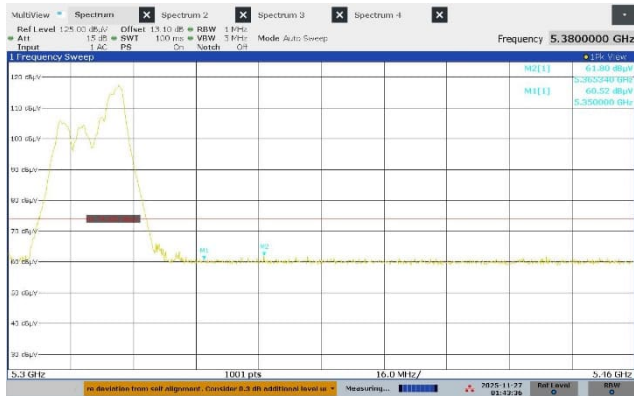
5.3 GHz Band, Channel High Horizontal Peak



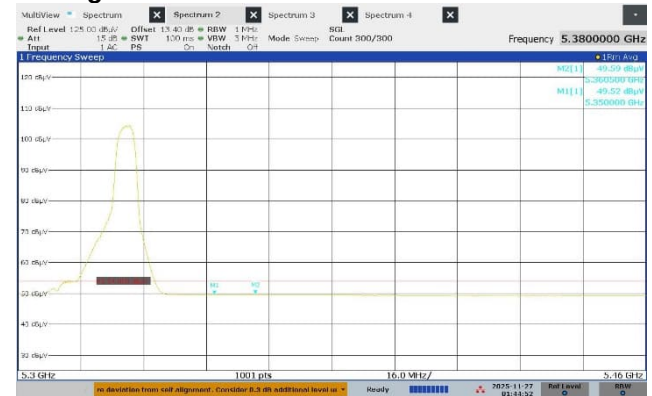
Average



Vertical Peak

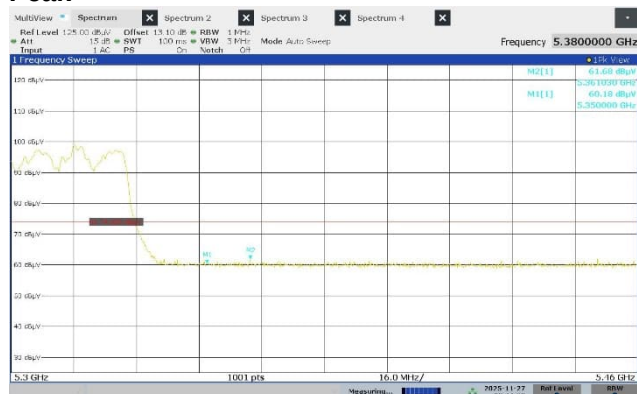


Average



[IEEE802.11ax_HE40_484-Tones]

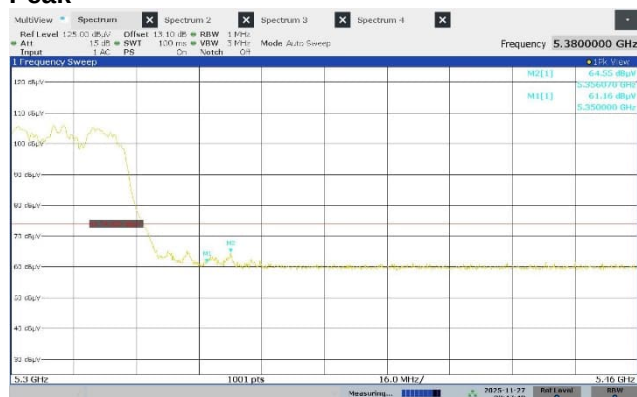
5.3 GHz Band, Channel High Horizontal Peak



Average



Vertical Peak

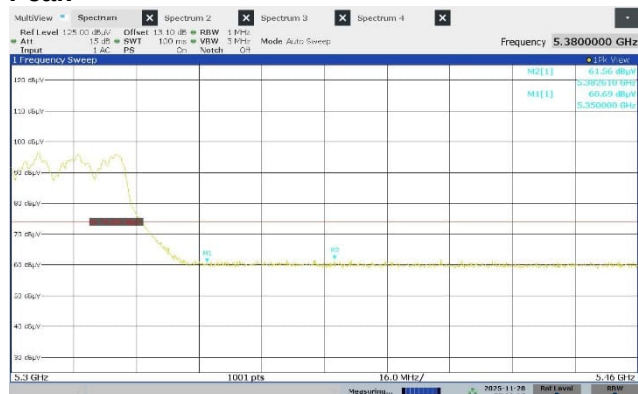


Average



[IEEE802.11ax_HE80_996-Tones]

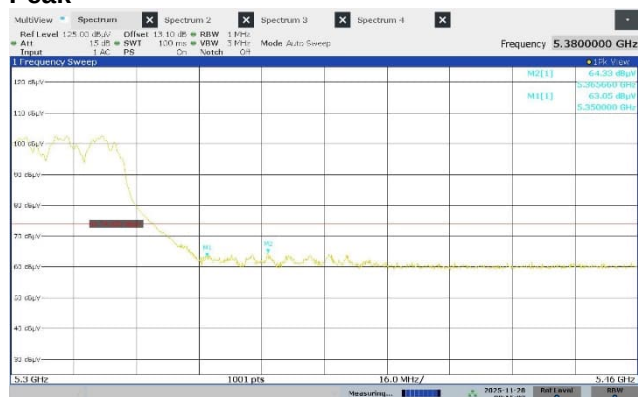
5.3 GHz Band, Channel High Horizontal Peak



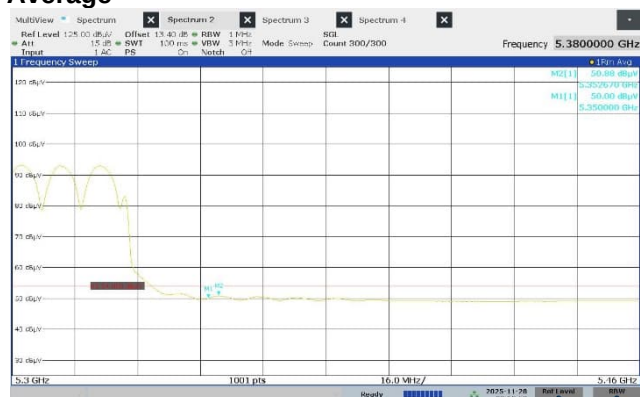
Average



Vertical Peak

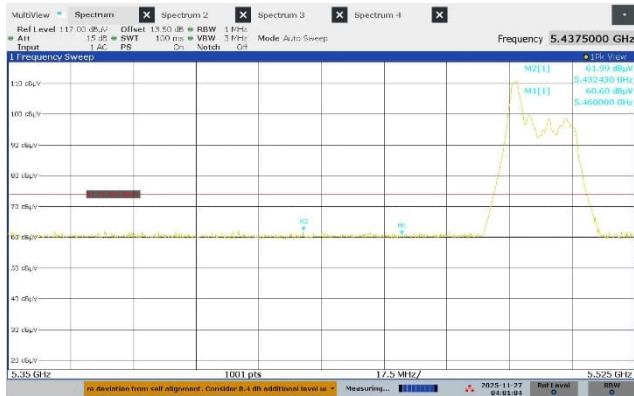


Average

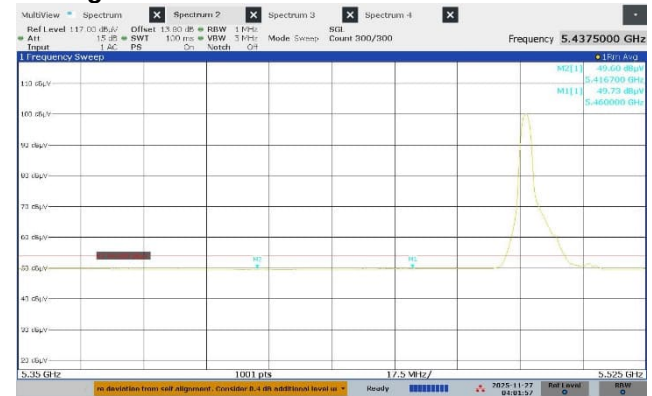


[IEEE802.11ax_HE20_26-Tones]

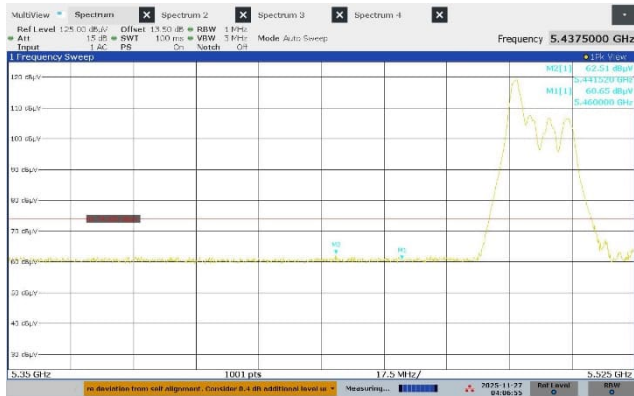
5.6 GHz Band, Channel Low Horizontal Peak



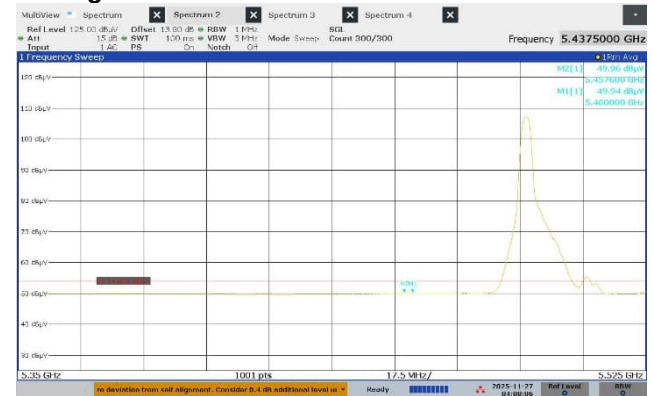
Average



Vertical Peak

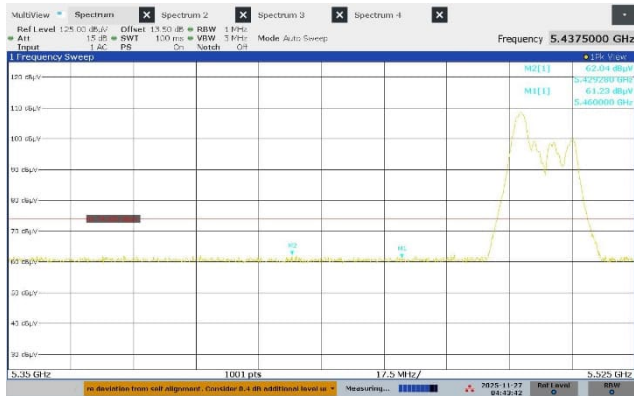


Average

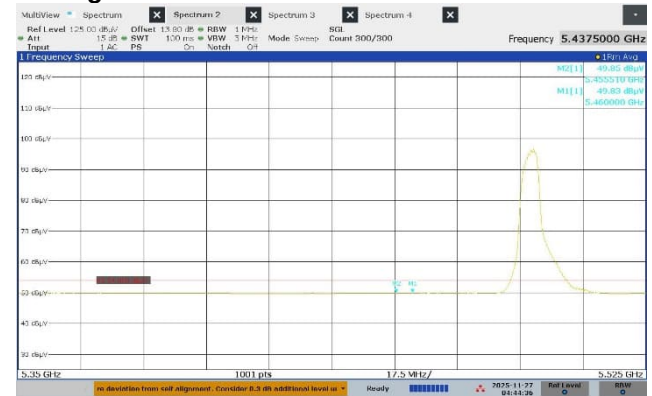


[IEEE802.11ax_HE20_52-Tones]

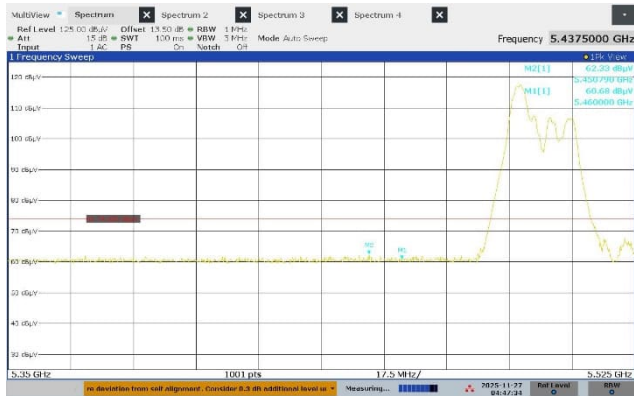
5.6 GHz Band, Channel Low Horizontal Peak



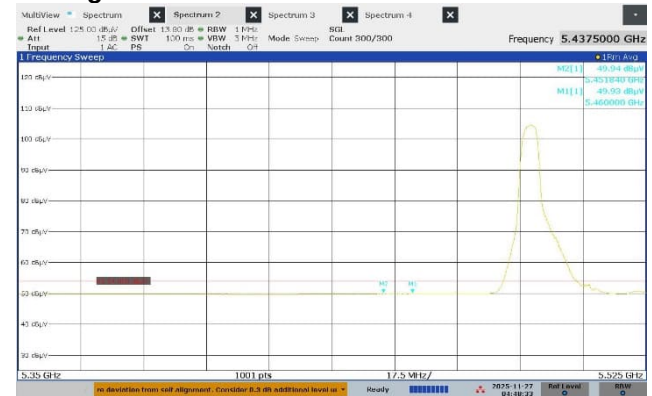
Average



Vertical Peak

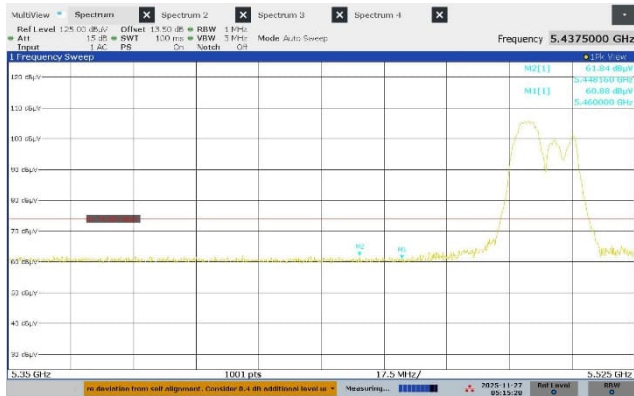


Average

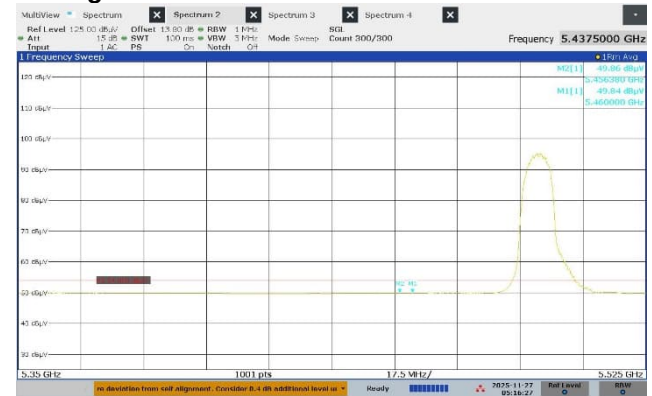


[IEEE802.11ax_HE20_106-Tones]

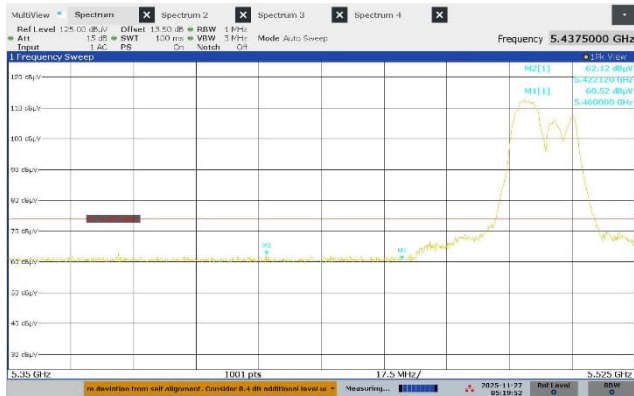
5.6 GHz Band, Channel Low Horizontal Peak



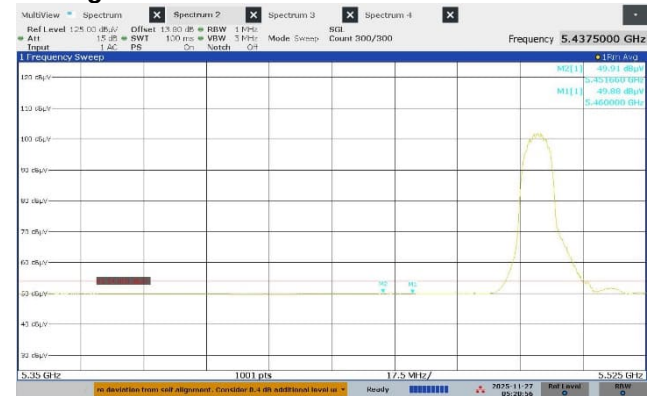
Average



Vertical Peak

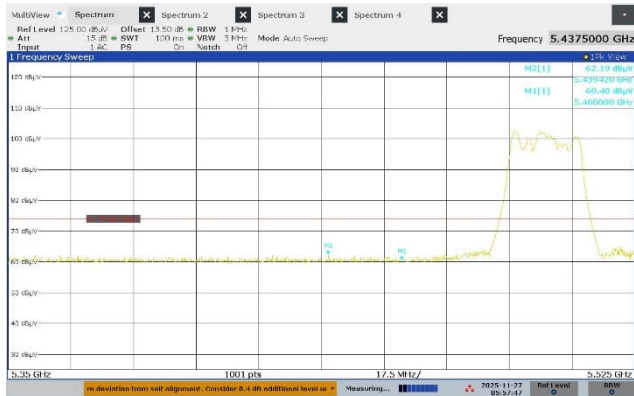


Average

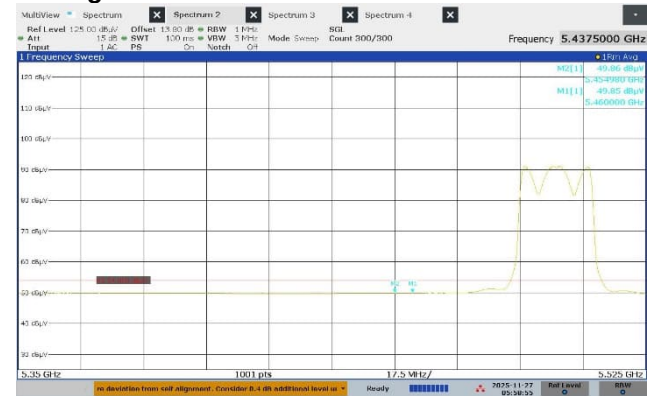


[IEEE802.11ax_HE20_242-Tones]

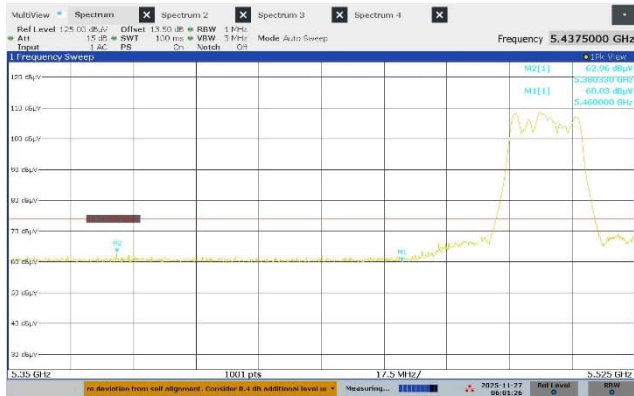
5.6 GHz Band, Channel Low Horizontal Peak



Average



Vertical Peak



Average

