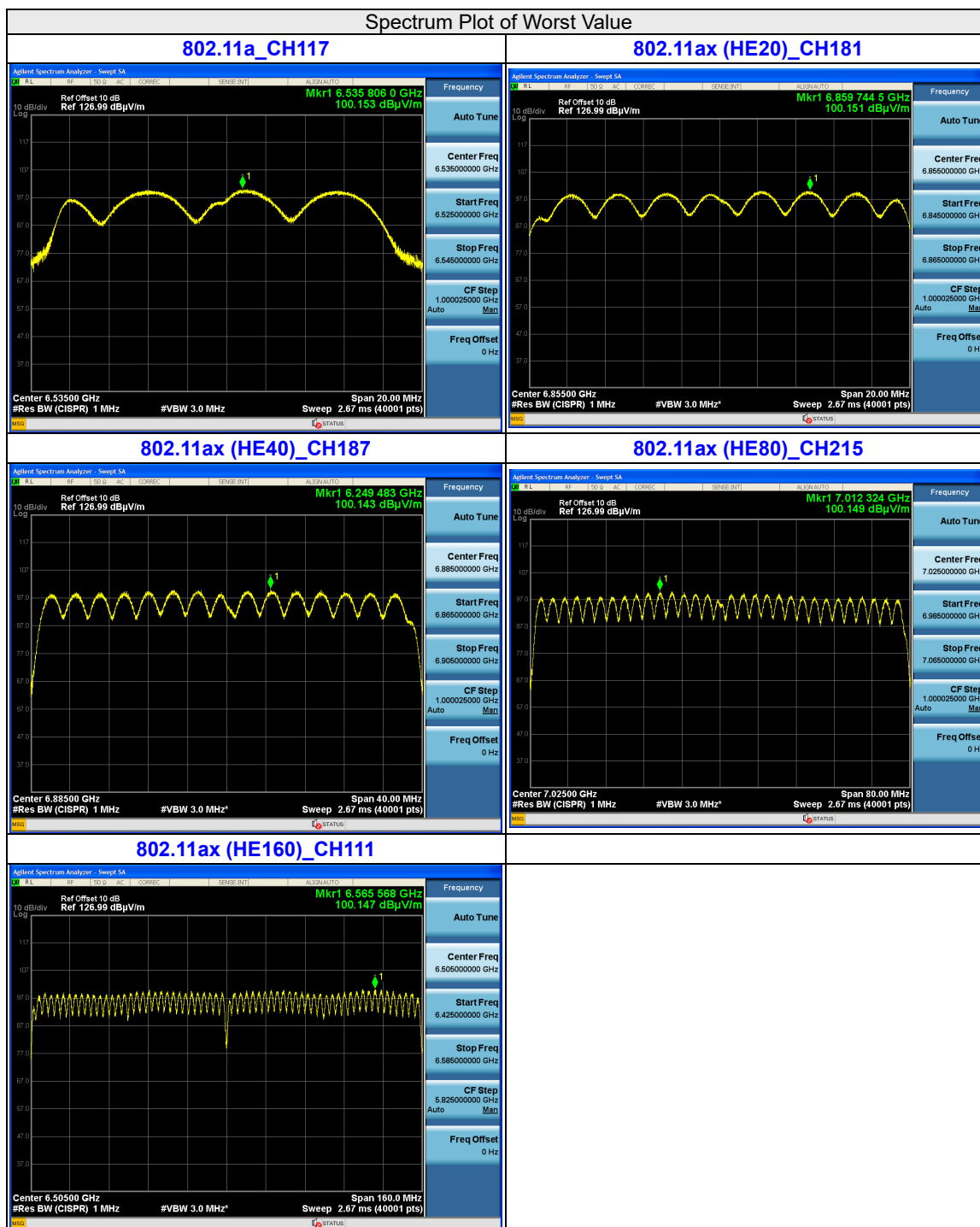




802.11ax (HE20) Beamforming_2T1S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
33	6115	100.05	-95.23	4.82	5	Pass
61	6255	100.05	-95.23	4.82	5	Pass
93	6415	100.07	-95.23	4.84	5	Pass
97	6435	100.07	-95.23	4.84	5	Pass
105	6475	100.08	-95.23	4.85	5	Pass
113	6515	100.07	-95.23	4.84	5	Pass
117	6535	100.02	-95.23	4.79	5	Pass
149	6695	100.07	-95.23	4.84	5	Pass
181	6855	100.09	-95.23	4.85	5	Pass
185	6875	100.03	-95.23	4.80	5	Pass
209	6995	100.03	-95.23	4.80	5	Pass
229	7095	100.12	-95.23	4.89	5	Pass
233	7115	87.61	-95.23	-7.62	5	Pass

802.11ax (HE40) Beamforming_2T1S

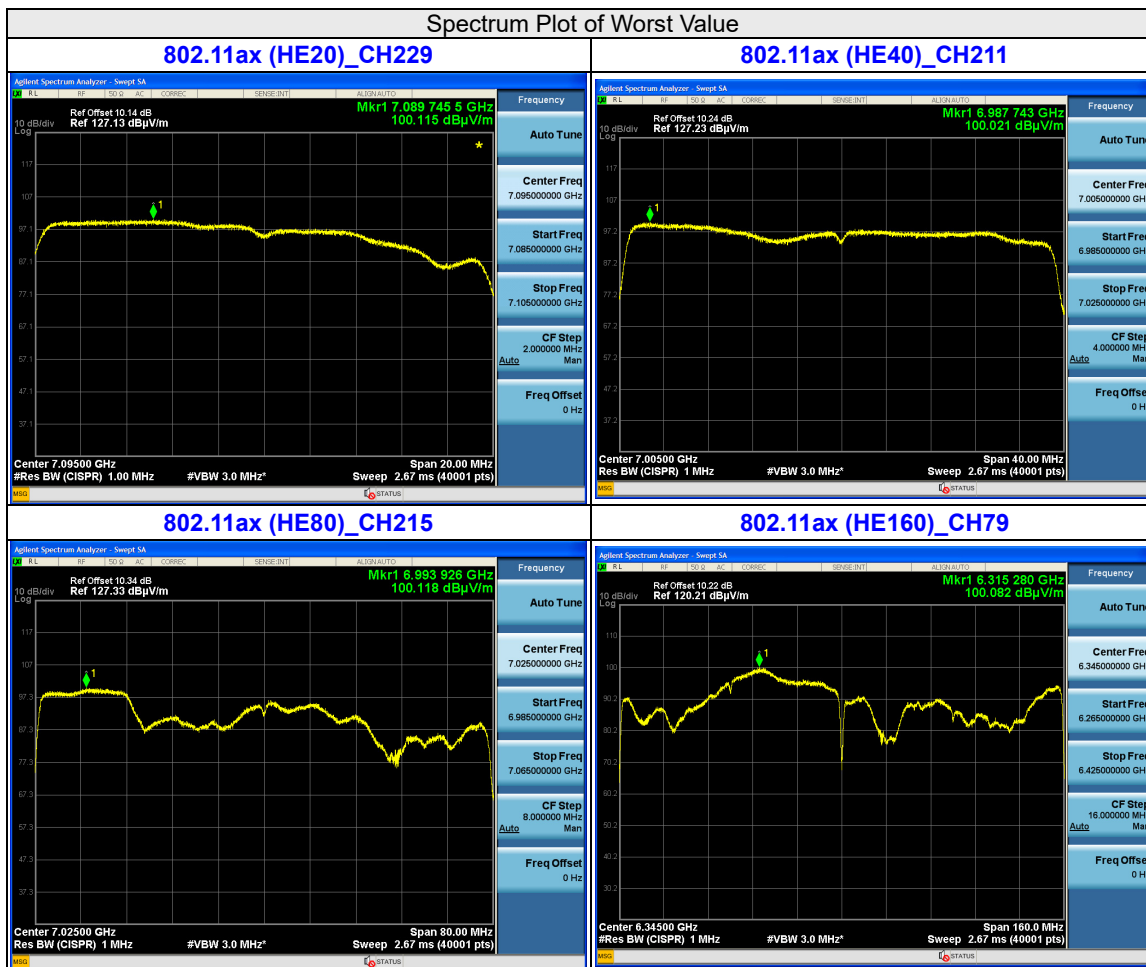
Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
35	6125	100.08	-95.23	4.85	5	Pass
59	6245	100.02	-95.23	4.79	5	Pass
91	6405	100.08	-95.23	4.85	5	Pass
99	6445	100.02	-95.23	4.79	5	Pass
107	6485	100.08	-95.23	4.85	5	Pass
115	6525	100.00	-95.23	4.77	5	Pass
123	6565	99.99	-95.23	4.76	5	Pass
155	6725	99.97	-95.23	4.74	5	Pass
179	6845	100.05	-95.23	4.82	5	Pass
187	6885	100.11	-95.23	4.88	5	Pass
211	7005	100.02	-95.23	4.79	5	Pass
227	7085	100.06	-95.23	4.83	5	Pass

802.11ax (HE80) Beamforming_2T1S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
39	6145	100.13	-95.23	4.90	5	Pass
55	6225	100.02	-95.23	4.79	5	Pass
87	6385	100.11	-95.23	4.88	5	Pass
103	6465	100.06	-95.23	4.83	5	Pass
119	6545	100.10	-95.23	4.87	5	Pass
151	6705	100.01	-95.23	4.78	5	Pass
183	6865	99.98	-95.23	4.75	5	Pass
199	6945	100.03	-95.23	4.80	5	Pass
215	7025	100.12	-95.23	4.89	5	Pass

802.11ax (HE160) Beamforming_2T1S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
47	6185	100.09	-95.23	4.86	5	Pass
79	6345	100.08	-95.23	4.85	5	Pass
111	6505	100.12	-95.23	4.89	5	Pass
143	6665	100.03	-95.23	4.80	5	Pass
175	6825	100.16	-95.23	4.93	5	Pass
207	6985	100.11	-95.23	4.88	5	Pass



802.11ax (HE20) SM-MIMO_2T2S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
33	6115	100.16	-95.23	4.93	5	Pass
61	6255	100.10	-95.23	4.87	5	Pass
93	6415	100.02	-95.23	4.79	5	Pass
97	6435	100.10	-95.23	4.87	5	Pass
105	6475	100.20	-95.23	4.97	5	Pass
113	6515	100.11	-95.23	4.88	5	Pass
117	6535	99.96	-95.23	4.73	5	Pass
149	6695	100.09	-95.23	4.86	5	Pass
181	6855	100.14	-95.23	4.91	5	Pass
185	6875	100.22	-95.23	4.99	5	Pass
209	6995	100.01	-95.23	4.78	5	Pass
229	7095	100.06	-95.23	4.83	5	Pass
233	7115	83.74	-95.23	-11.49	5	Pass

802.11ax (HE40) SM-MIMO_2T2S

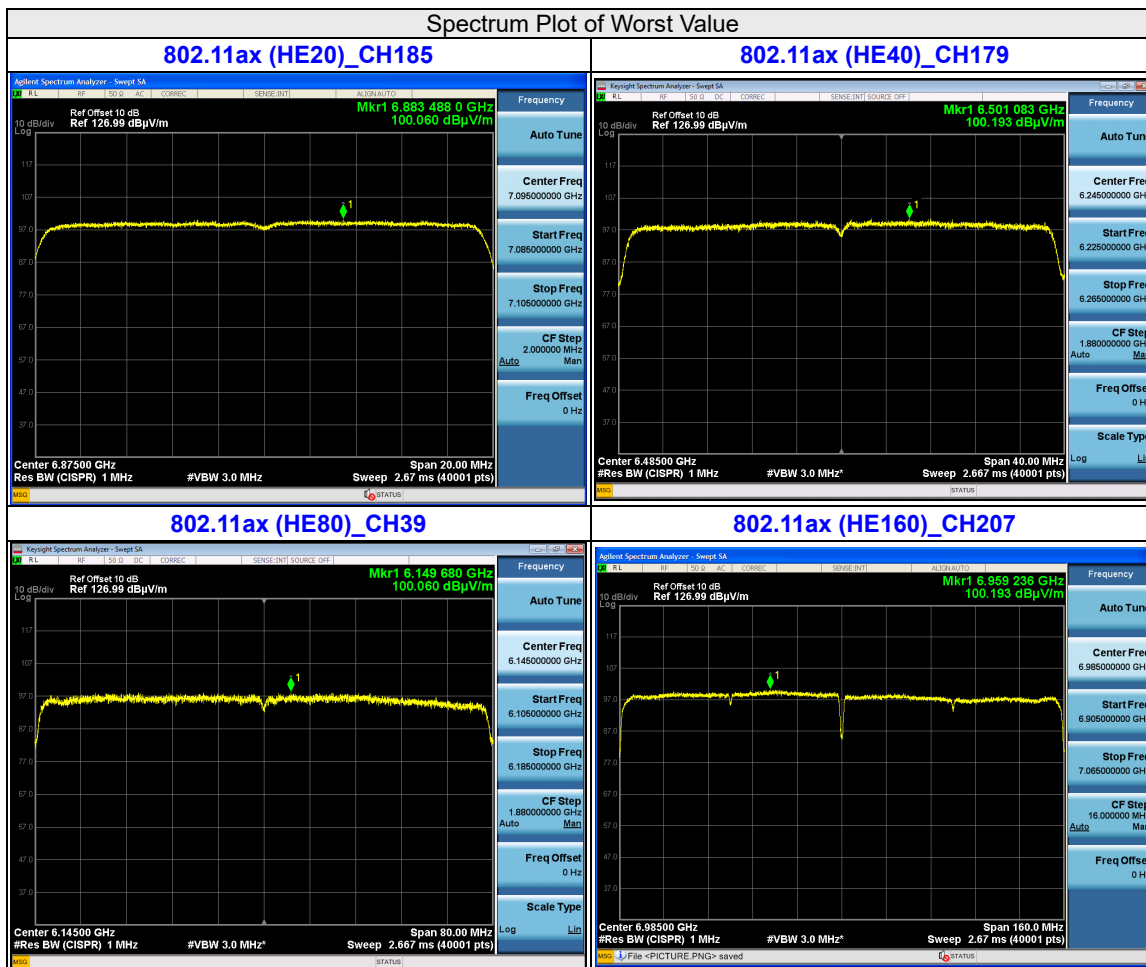
Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
35	6125	100.16	-95.23	4.93	5	Pass
59	6245	100.02	-95.23	4.79	5	Pass
91	6405	100.14	-95.23	4.91	5	Pass
99	6445	100.05	-95.23	4.82	5	Pass
107	6485	100.08	-95.23	4.85	5	Pass
115	6525	100.09	-95.23	4.86	5	Pass
123	6565	99.99	-95.23	4.76	5	Pass
155	6725	100.13	-95.23	4.90	5	Pass
179	6845	100.19	-95.23	4.96	5	Pass
187	6885	100.08	-95.23	4.85	5	Pass
211	7005	100.14	-95.23	4.91	5	Pass
227	7085	100.08	-95.23	4.85	5	Pass

802.11ax (HE80) SM-MIMO_2T2S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
39	6145	100.06	-95.23	4.83	5	Pass
55	6225	100.09	-95.23	4.86	5	Pass
87	6385	100.11	-95.23	4.88	5	Pass
103	6465	99.99	-95.23	4.76	5	Pass
119	6545	100.14	-95.23	4.91	5	Pass
151	6705	100.13	-95.23	4.90	5	Pass
183	6865	100.16	-95.23	4.93	5	Pass
199	6945	100.14	-95.23	4.91	5	Pass
215	7025	100.18	-95.23	4.95	5	Pass

802.11ax (HE160) SM-MIMO_2T2S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
47	6185	100.08	-95.23	4.85	5	Pass
79	6345	100.11	-95.23	4.88	5	Pass
111	6505	100.15	-95.23	4.92	5	Pass
143	6665	100.06	-95.23	4.83	5	Pass
175	6825	100.18	-95.23	4.95	5	Pass
207	6985	100.19	-95.23	4.96	5	Pass



802.11ax (HE20) Beamforming_2T2S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
33	6115	100.12	-95.23	4.89	5	Pass
61	6255	100.05	-95.23	4.82	5	Pass
93	6415	100.00	-95.23	4.77	5	Pass
97	6435	100.06	-95.23	4.83	5	Pass
105	6475	100.16	-95.23	4.93	5	Pass
113	6515	100.10	-95.23	4.87	5	Pass
117	6535	99.95	-95.23	4.72	5	Pass
149	6695	100.02	-95.23	4.79	5	Pass
181	6855	100.12	-95.23	4.89	5	Pass
185	6875	100.21	-95.23	4.98	5	Pass
209	6995	99.93	-95.23	4.70	5	Pass
229	7095	100.00	-95.23	4.77	5	Pass
233	7115	83.70	-95.23	-11.53	5	Pass

802.11ax (HE40) Beamforming_2T2S

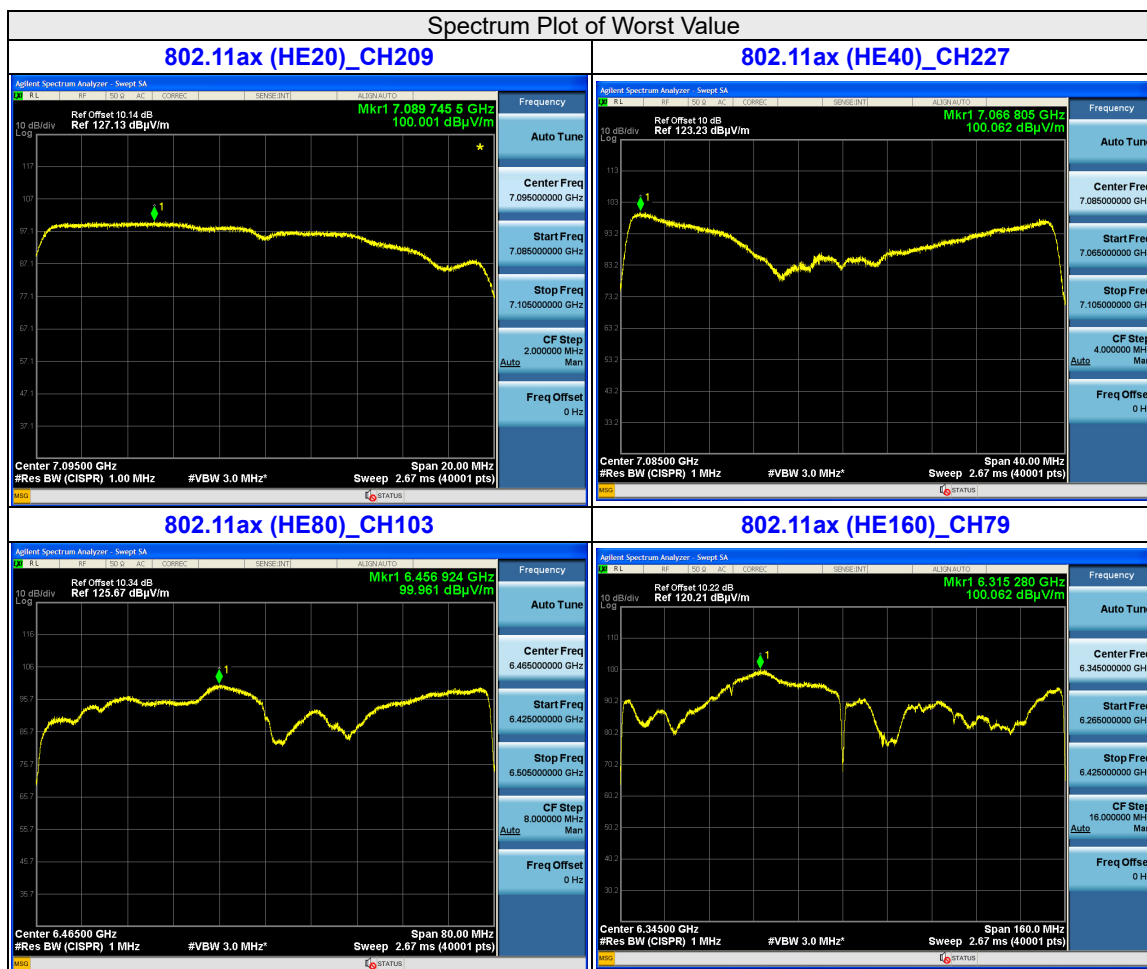
Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
35	6125	100.07	-95.23	4.84	5	Pass
59	6245	99.94	-95.23	4.71	5	Pass
91	6405	100.08	-95.23	4.85	5	Pass
99	6445	99.99	-95.23	4.76	5	Pass
107	6485	99.99	-95.23	4.76	5	Pass
115	6525	100.07	-95.23	4.84	5	Pass
123	6565	99.96	-95.23	4.73	5	Pass
155	6725	100.12	-95.23	4.89	5	Pass
179	6845	100.14	-95.23	4.91	5	Pass
187	6885	100.05	-95.23	4.82	5	Pass
211	7005	100.09	-95.23	4.86	5	Pass
227	7085	100.06	-95.23	4.83	5	Pass

802.11ax (HE80) Beamforming_2T2S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
39	6145	99.98	-95.23	4.75	5	Pass
55	6225	100.03	-95.23	4.80	5	Pass
87	6385	100.05	-95.23	4.82	5	Pass
103	6465	99.96	-95.23	4.73	5	Pass
119	6545	100.09	-95.23	4.86	5	Pass
151	6705	100.08	-95.23	4.85	5	Pass
183	6865	100.09	-95.23	4.86	5	Pass
199	6945	100.08	-95.23	4.85	5	Pass
215	7025	100.14	-95.23	4.91	5	Pass

802.11ax (HE160) Beamforming_2T2S

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
47	6185	100.03	-95.23	4.80	5	Pass
79	6345	100.06	-95.23	4.83	5	Pass
111	6505	100.12	-95.23	4.89	5	Pass
143	6665	100.01	-95.23	4.78	5	Pass
175	6825	100.16	-95.23	4.93	5	Pass
207	6985	100.11	-95.23	4.88	5	Pass



7.3 Emission Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
33	6115	21.57	21.37
61	6255	21.54	21.41
93	6415	21.49	21.53
97	6435	21.47	21.39
105	6475	21.43	21.48
113	6515	21.50	21.35
117	6535	21.49	21.39
149	6695	21.42	21.27
181	6855	21.58	21.20
185	6875	21.62	21.33
209	6995	21.50	21.34
233	7115	21.46	21.34

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
33	6115	21.72	21.54
61	6255	21.71	21.45
93	6415	21.48	21.60
97	6435	21.54	21.80
105	6475	21.31	21.63
113	6515	21.51	21.53
117	6535	21.65	21.56
149	6695	21.68	21.28
181	6855	21.64	21.41
185	6875	21.39	21.47
209	6995	21.29	21.76
229	7095	21.50	21.56
233	7115	21.89	21.44

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
35	6125	40.68	40.73
59	6245	40.85	40.67
91	6405	40.90	40.77
99	6445	40.80	40.79
107	6485	40.71	40.72
115	6525	40.93	40.67
123	6565	41.01	40.74
155	6725	41.04	40.86
179	6845	40.92	40.69
187	6885	40.62	40.71
211	7005	40.83	40.58
227	7085	40.95	40.77

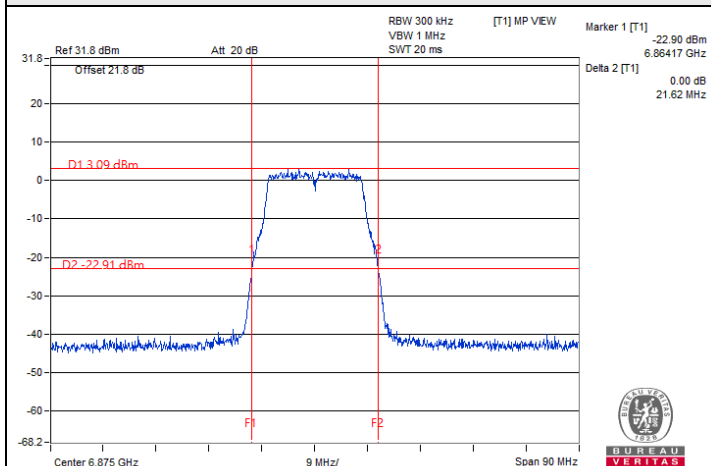
802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
39	6145	81.69	81.82
55	6225	81.91	81.80
87	6385	81.62	81.78
103	6465	81.68	81.83
119	6545	81.89	81.77
151	6705	81.76	81.68
183	6865	81.97	81.59
199	6945	81.76	81.52
215	7025	81.59	81.67

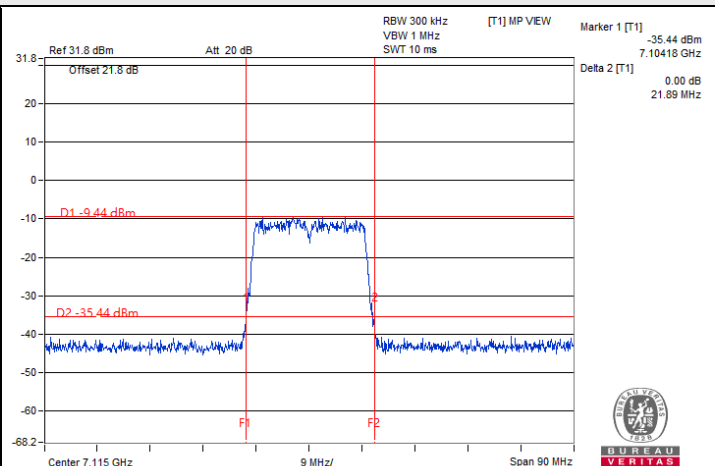
802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
47	6185	273.59	310.79
79	6345	240.66	217.08
111	6505	239.51	220.63
143	6665	221.11	251.32
175	6825	189.67	229.95
207	6985	203.54	275.42

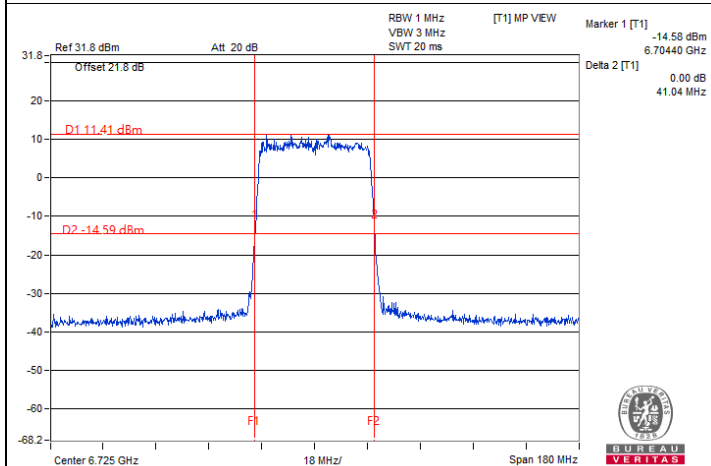
Spectrum Plot of Maximum Value



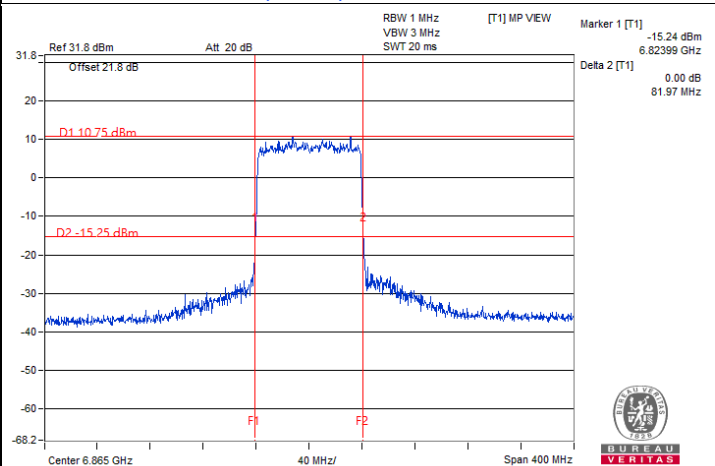
802.11a / Chain 0 : CH 185



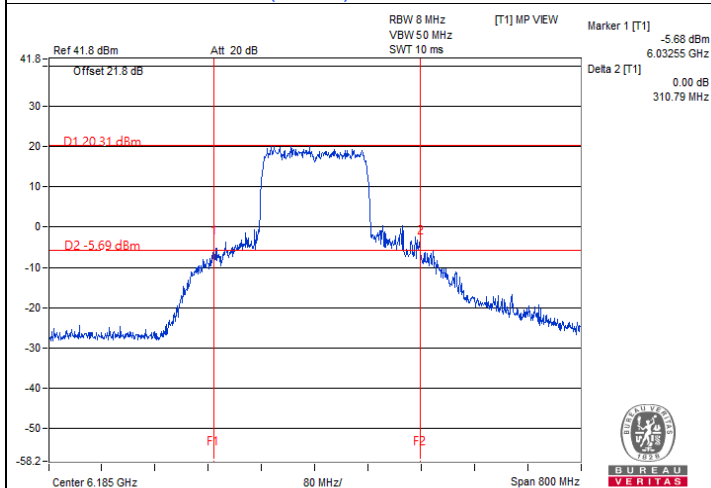
802.11ax (HE20) / Chain 0 : CH 233



802.11ax (HE40) / Chain 0 : CH 155



802.11ax (HE80) / Chain 0 : CH 183

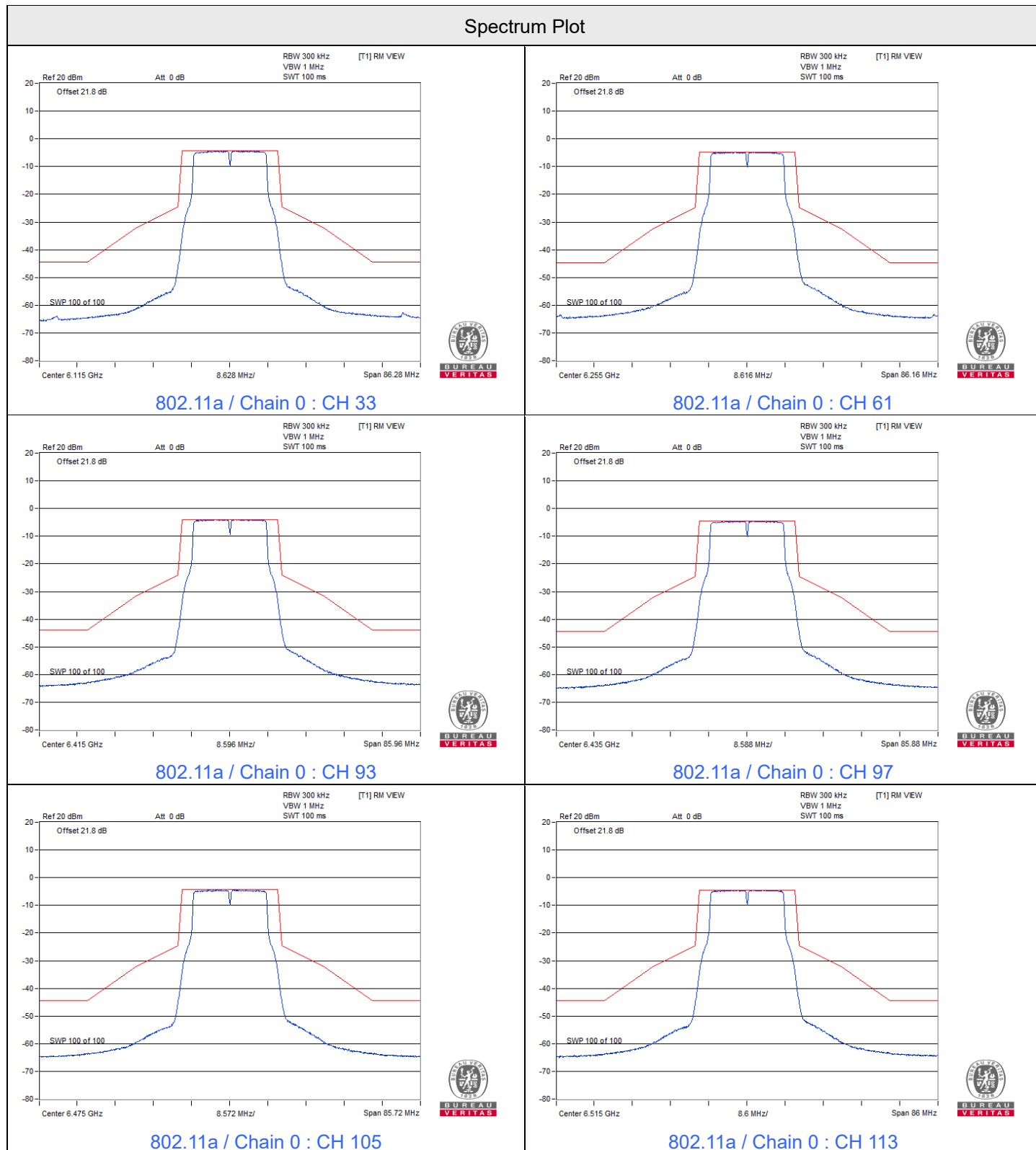


802.11ax (HE160) / Chain 1 : CH 47

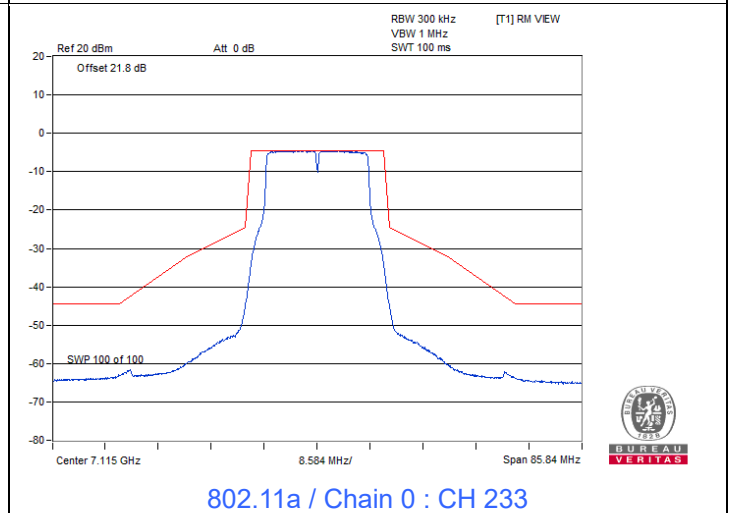
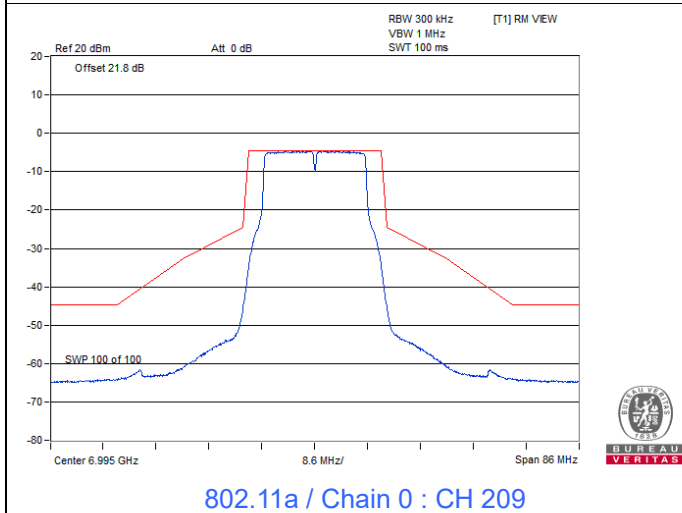
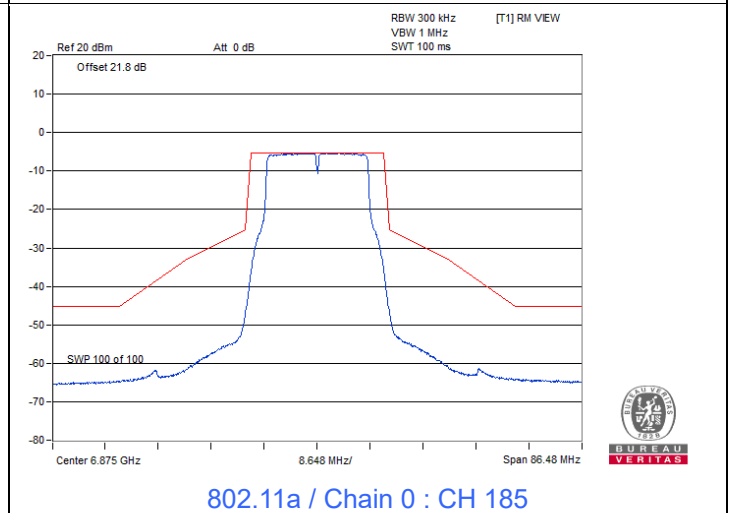
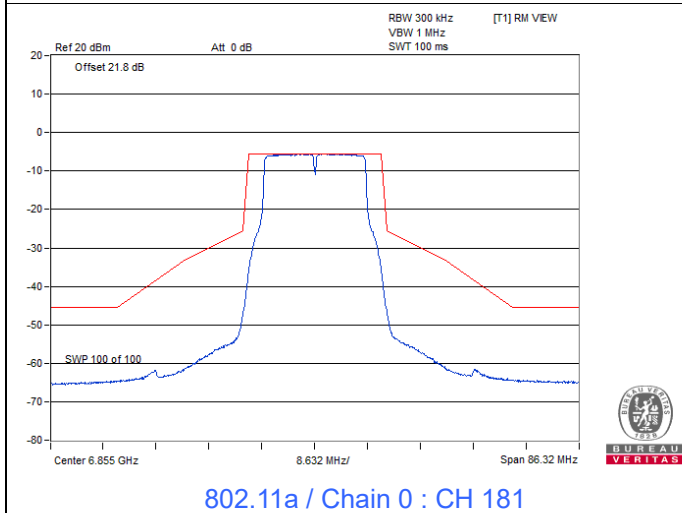
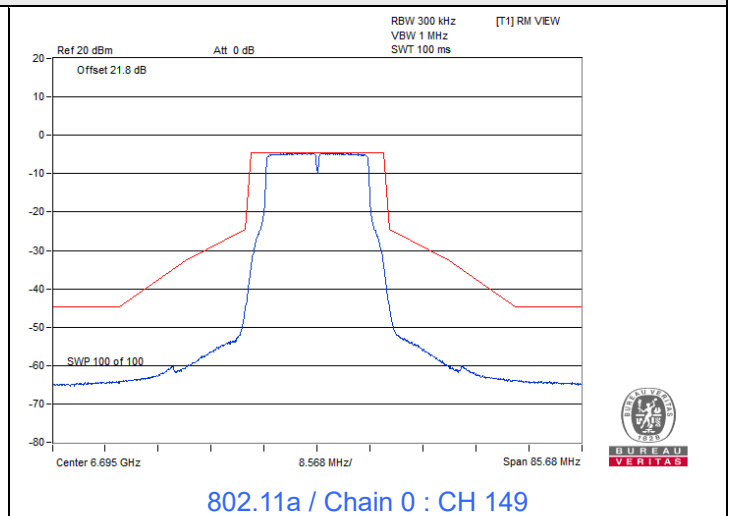
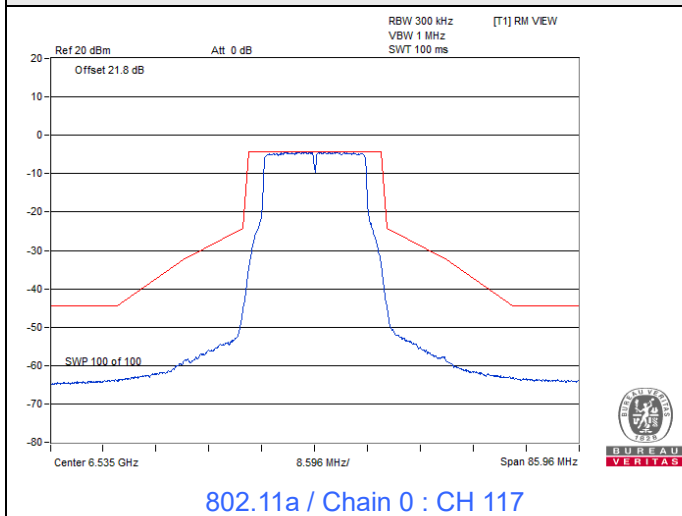
7.4 In-Band Emission Mask

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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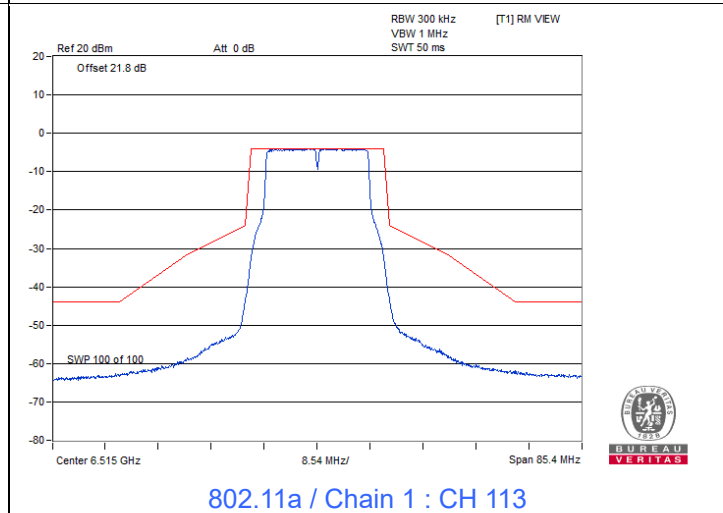
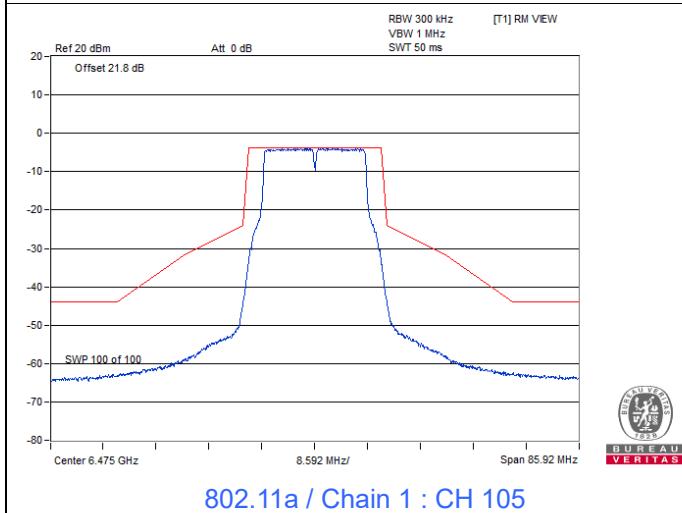
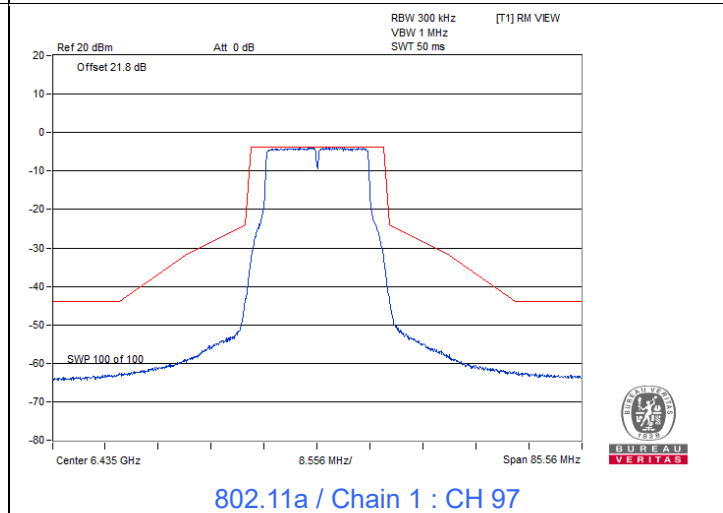
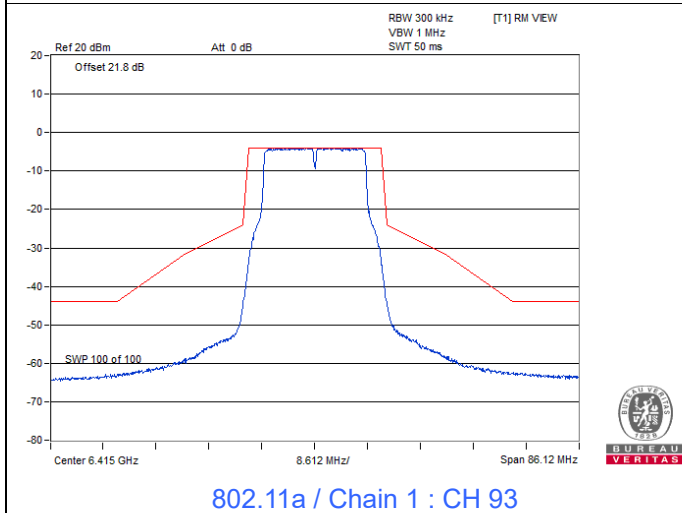
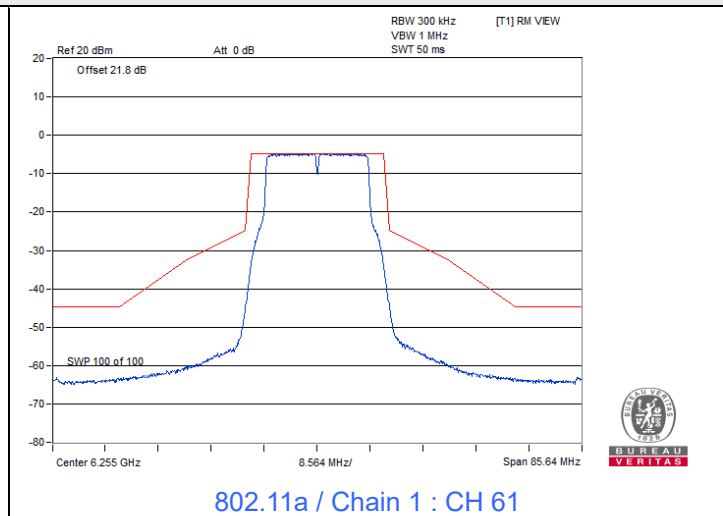
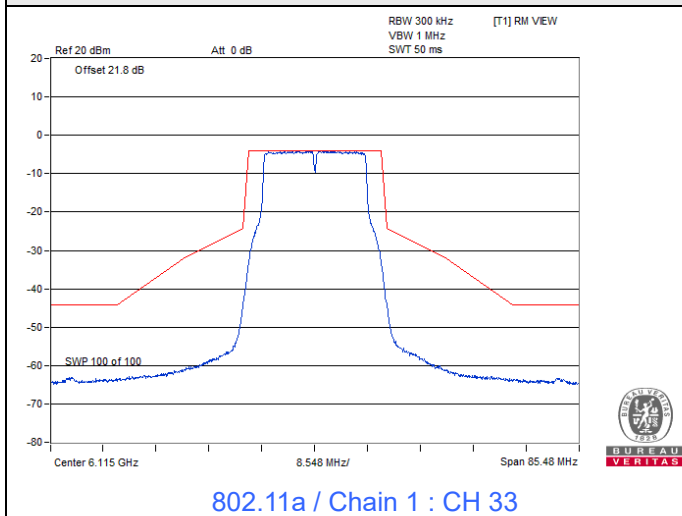
802.11a



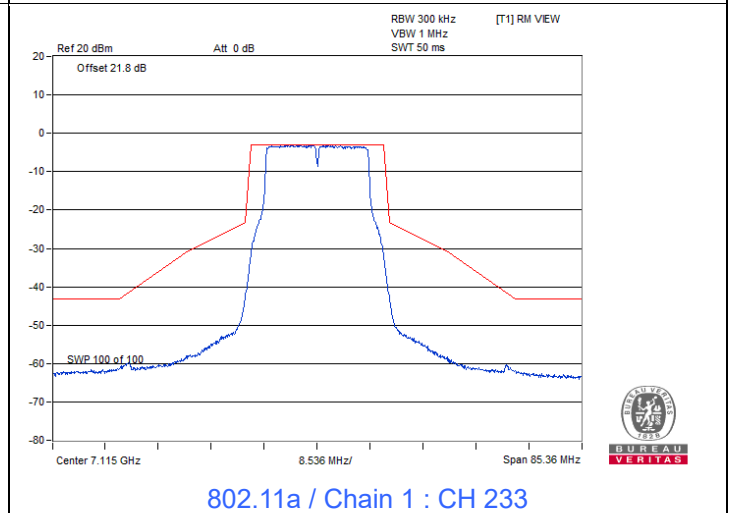
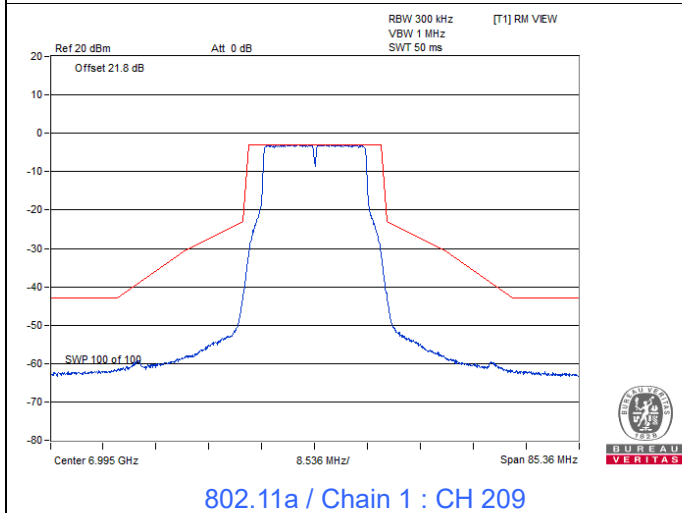
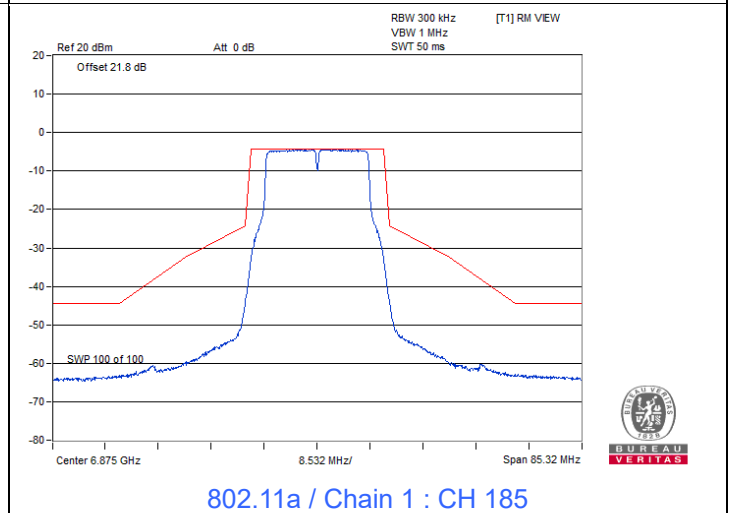
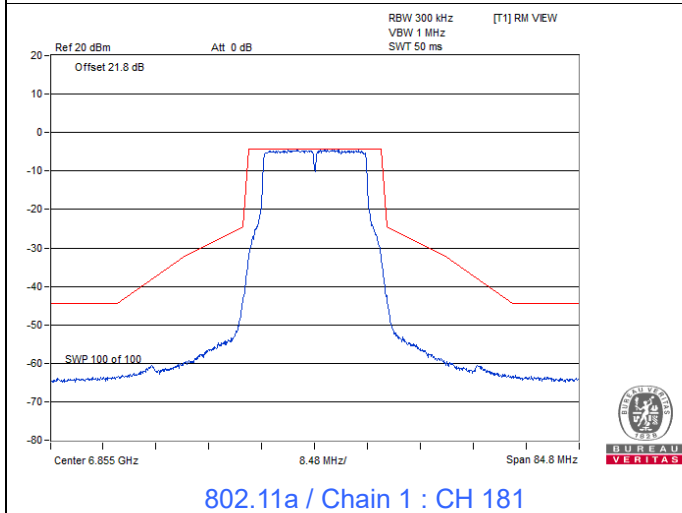
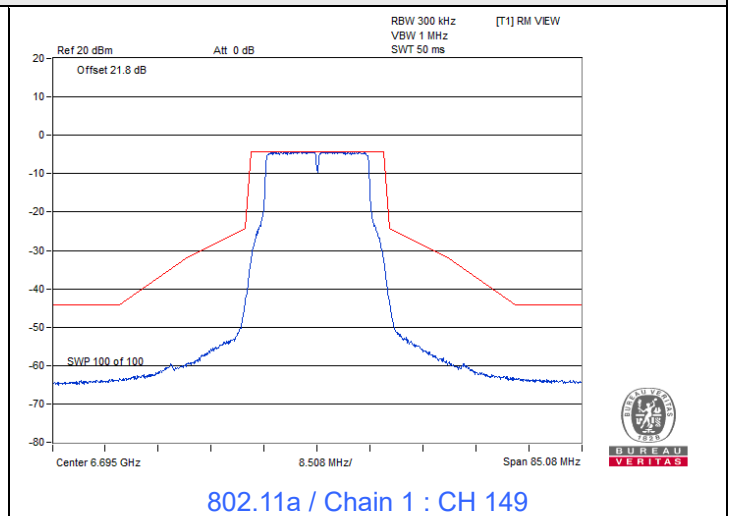
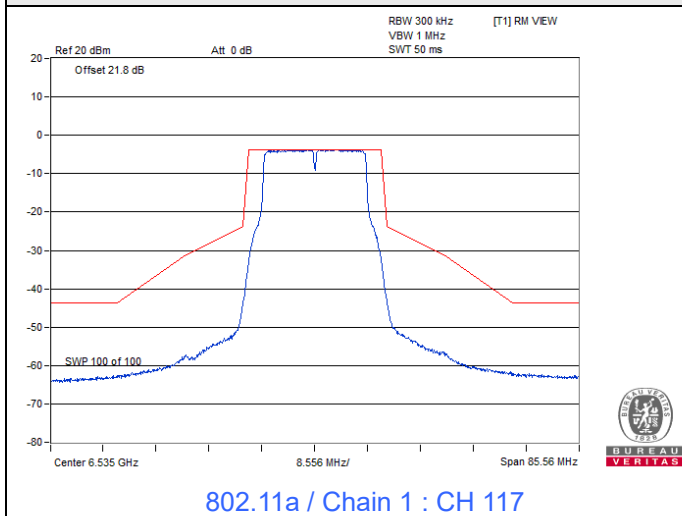
Spectrum Plot



Spectrum Plot

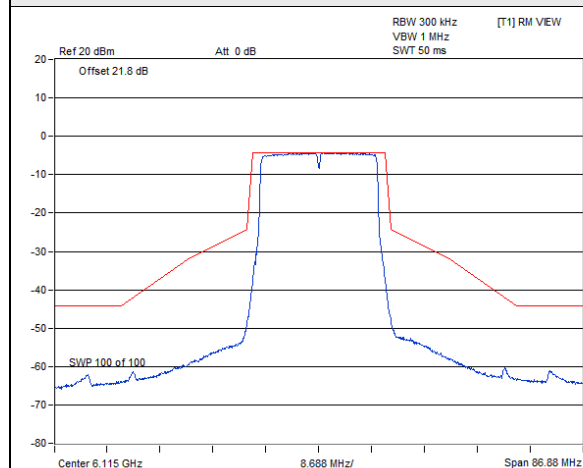


Spectrum Plot

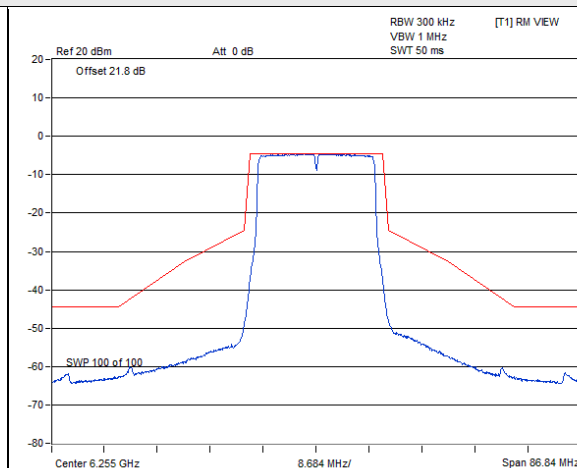


802.11ax (HE20)

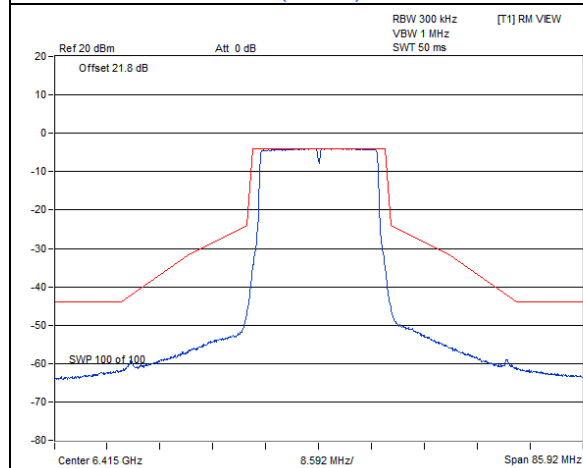
Spectrum Plot



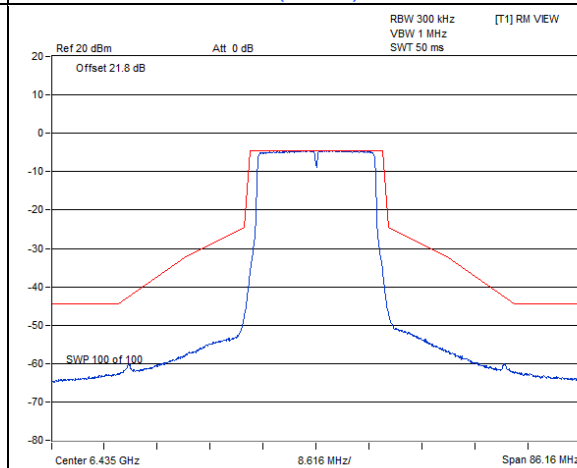
802.11ax (HE20) / Chain 0 : CH 33



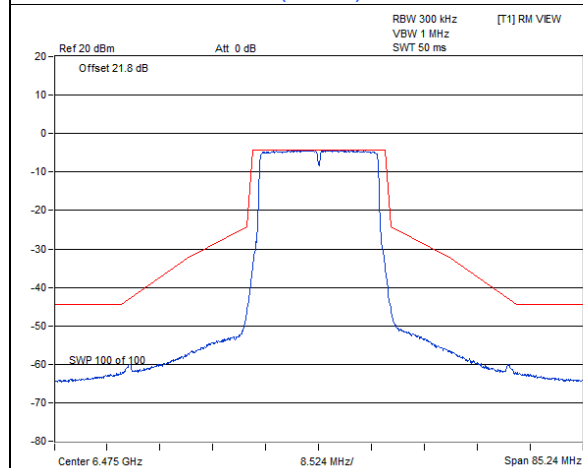
802.11ax (HE20) / Chain 0 : CH 61



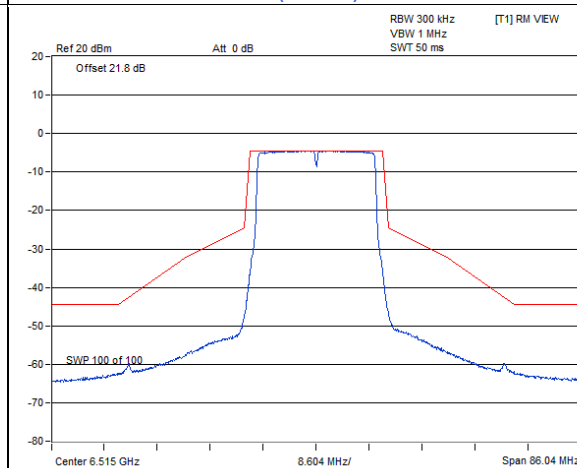
802.11ax (HE20) / Chain 0 : CH 93



802.11ax (HE20) / Chain 0 : CH 97

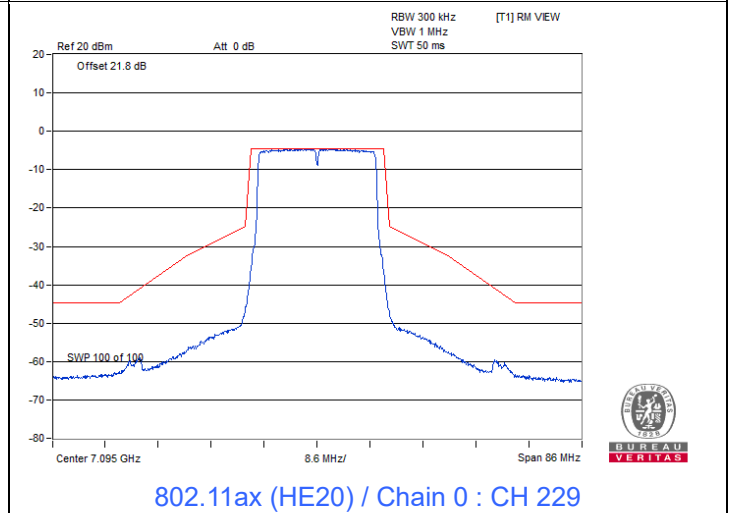
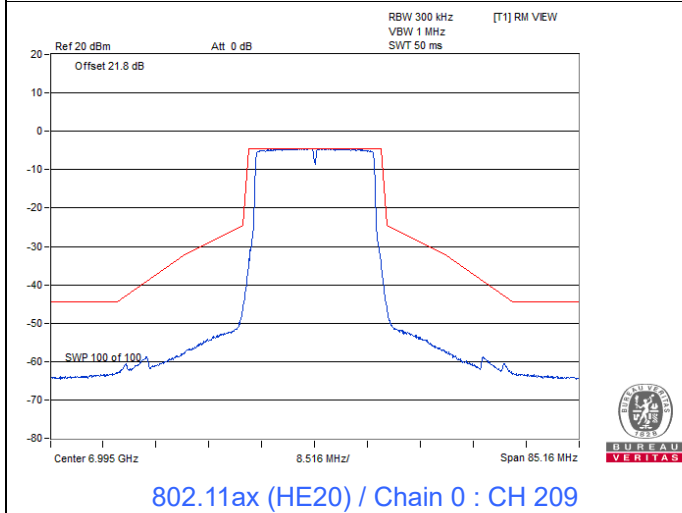
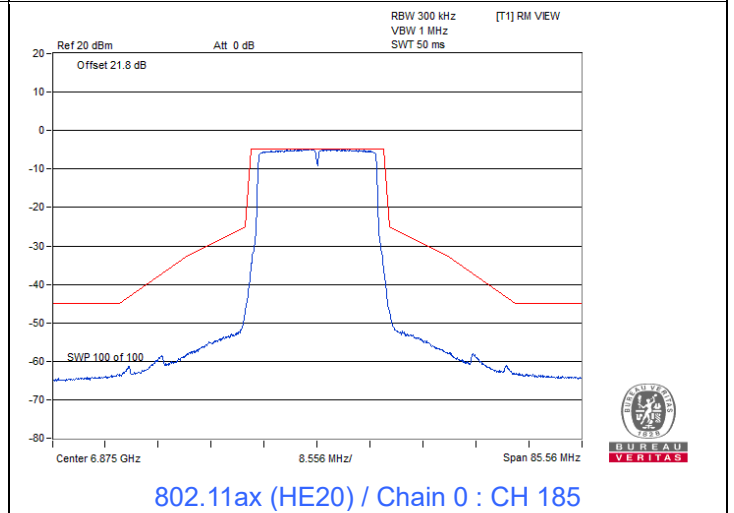
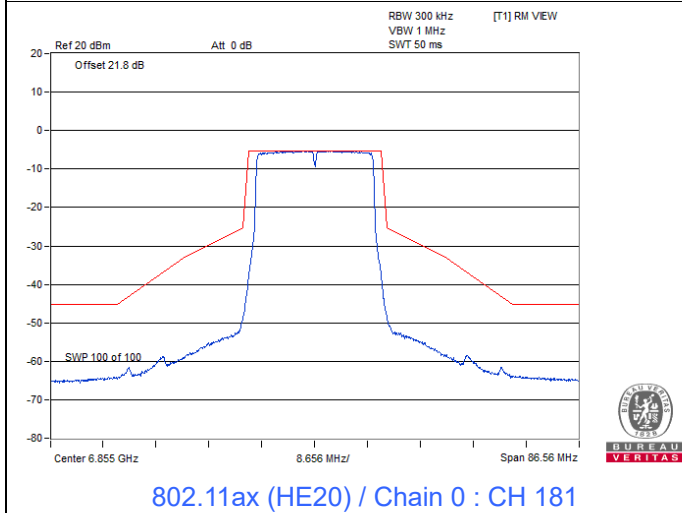
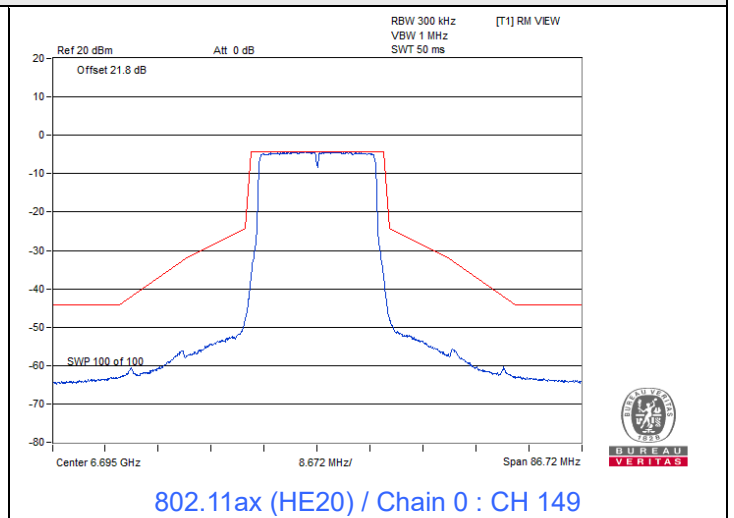
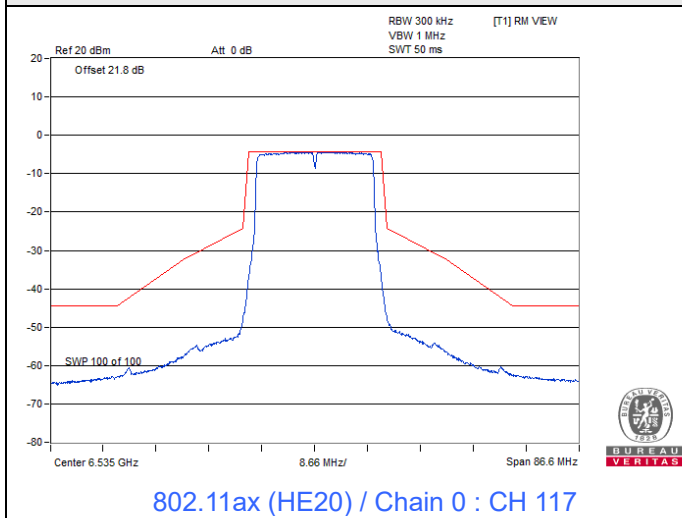


802.11ax (HE20) / Chain 0 : CH 105

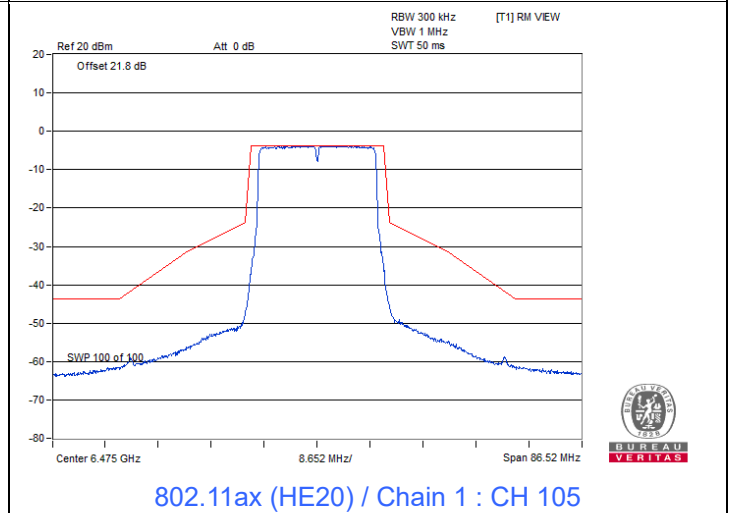
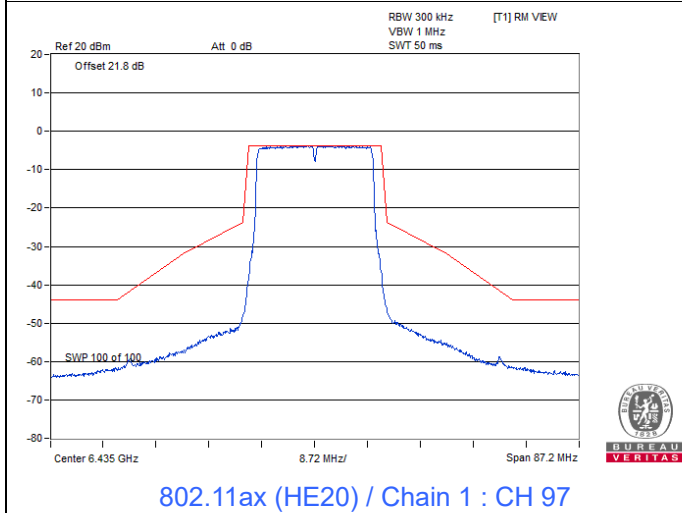
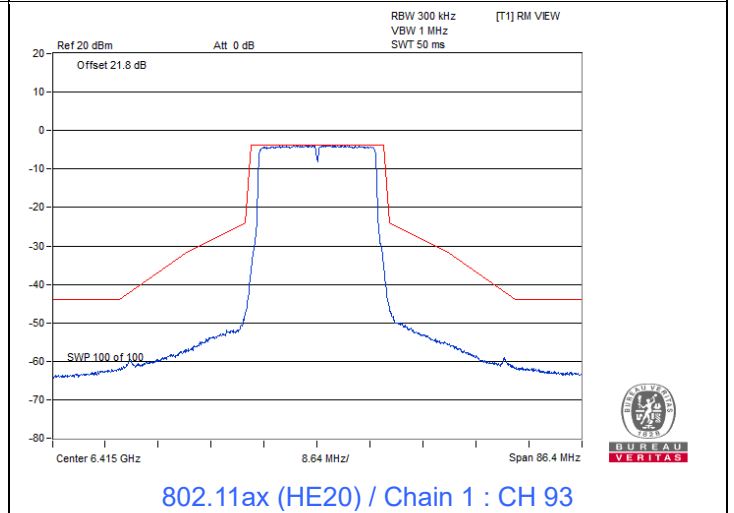
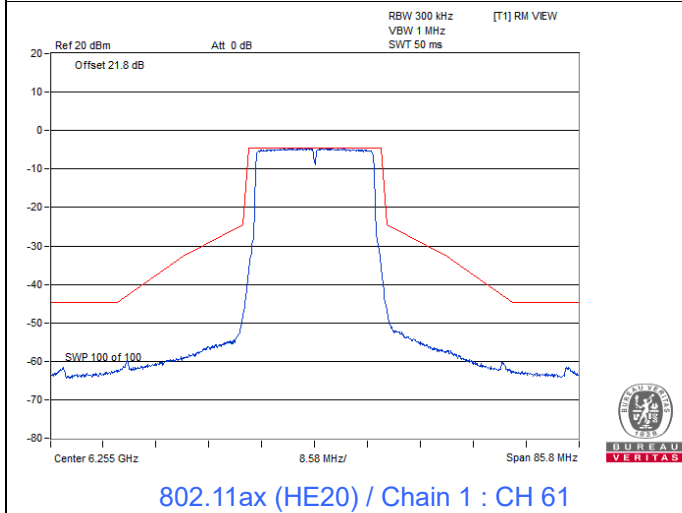
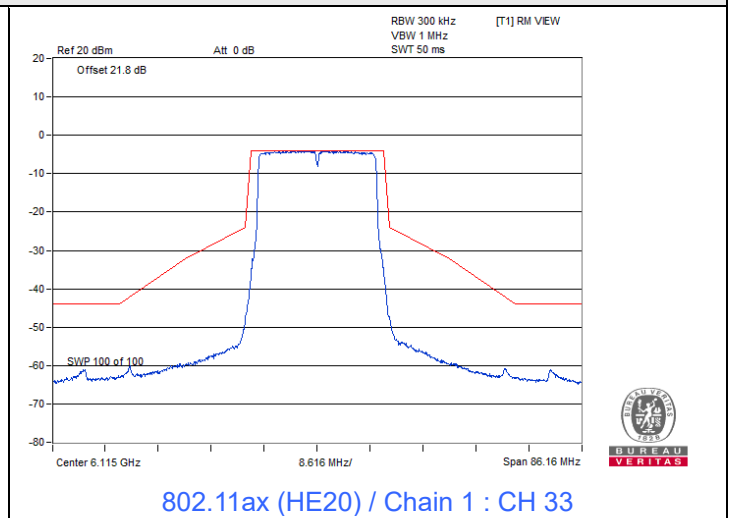
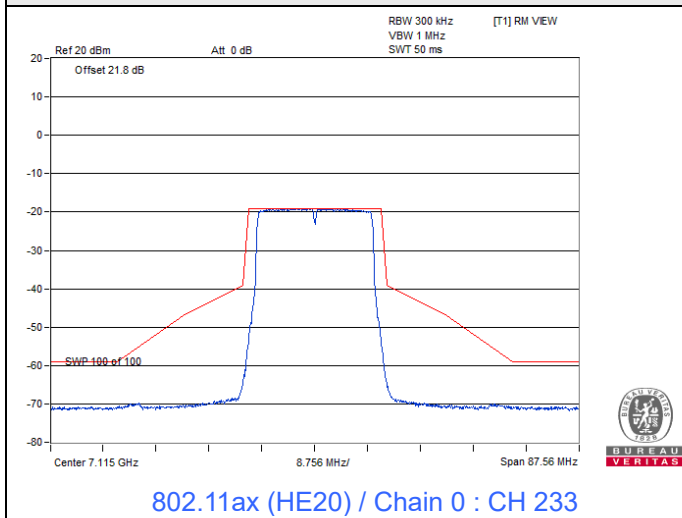


802.11ax (HE20) / Chain 0 : CH 113

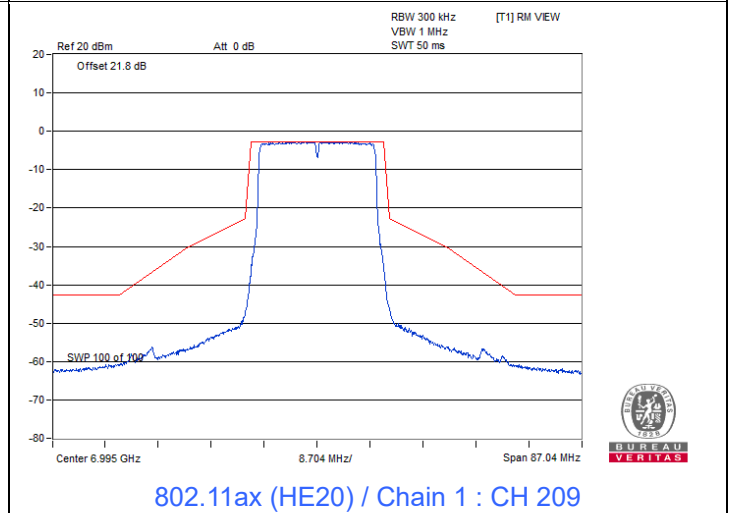
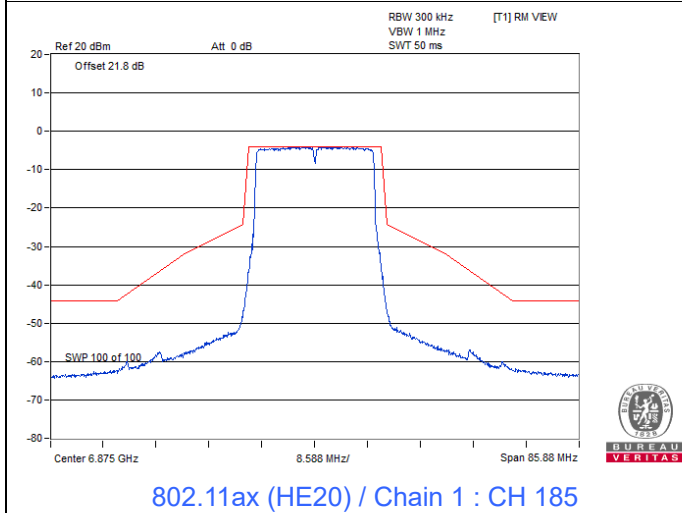
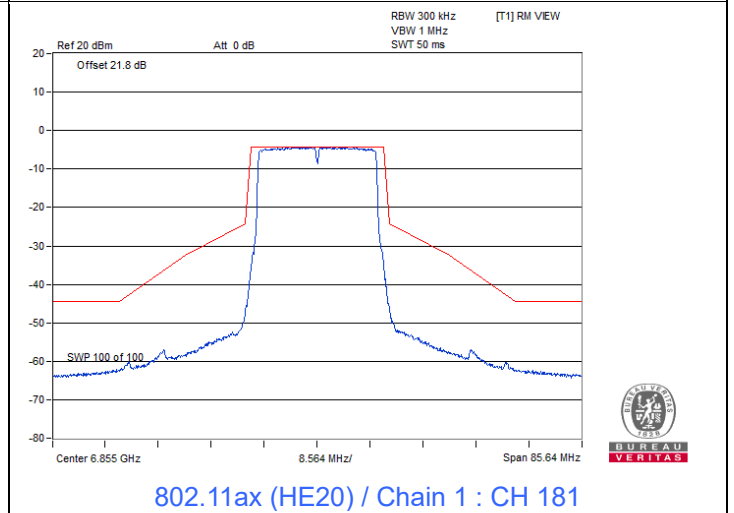
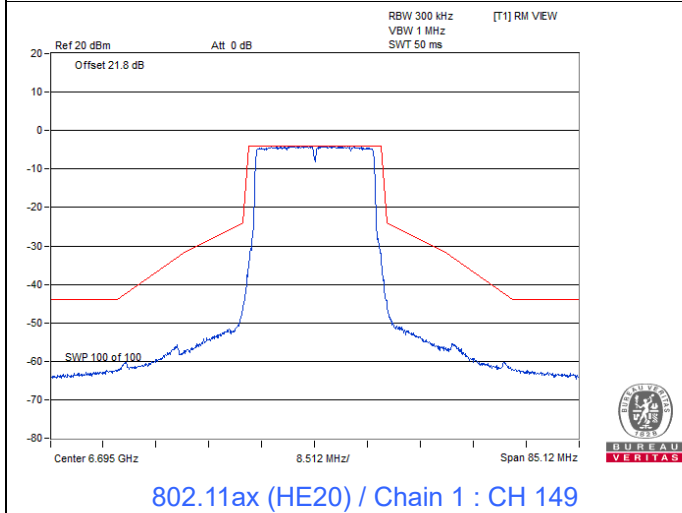
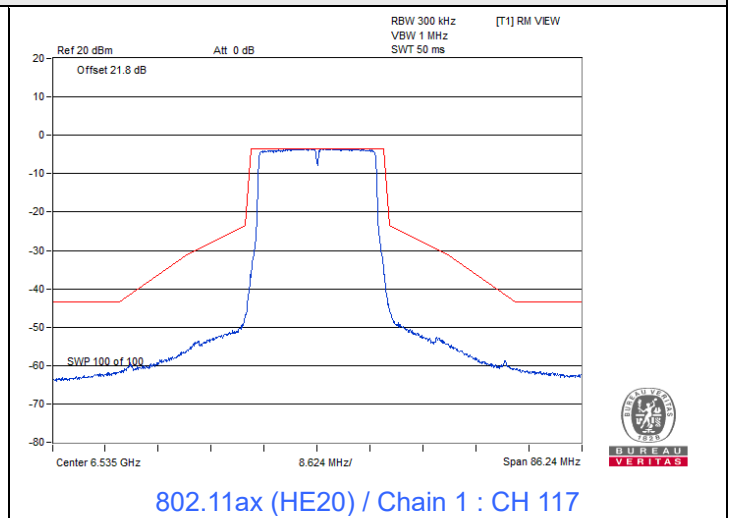
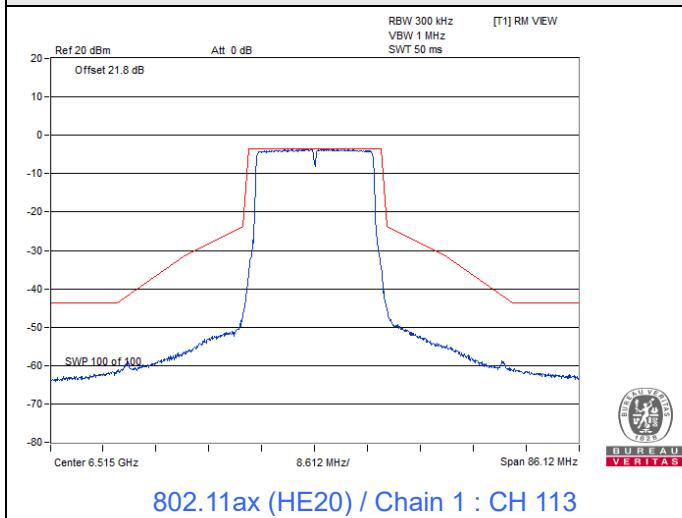
Spectrum Plot



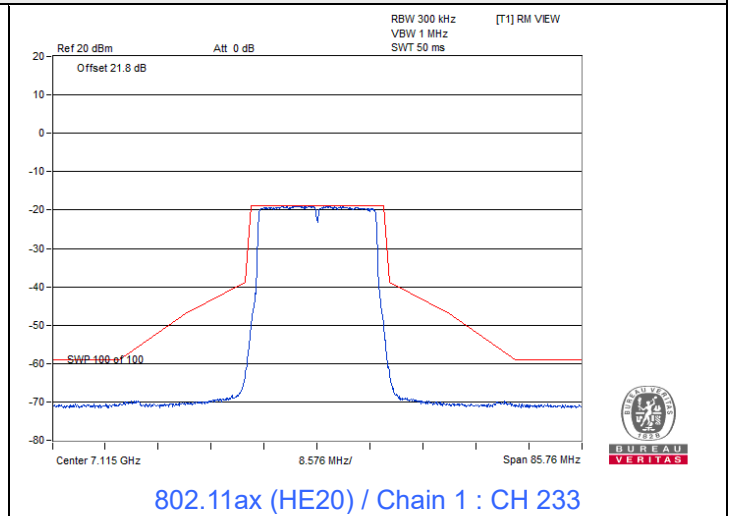
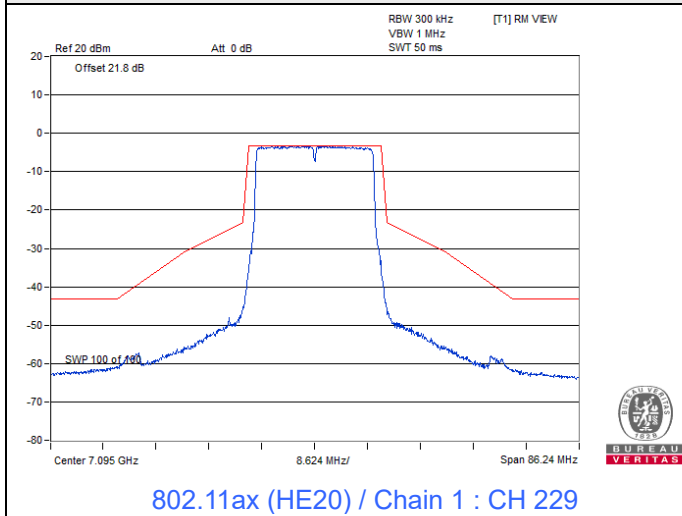
Spectrum Plot



Spectrum Plot

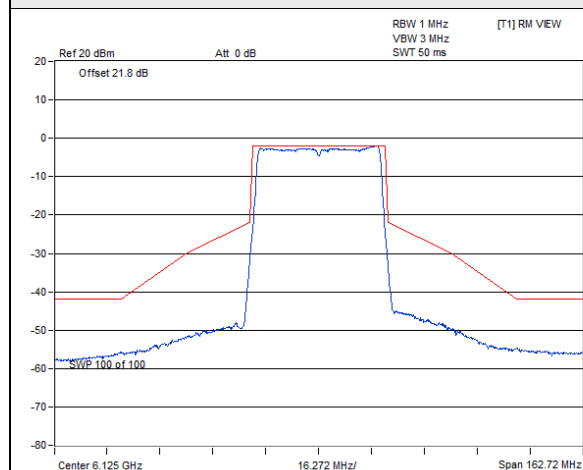


Spectrum Plot

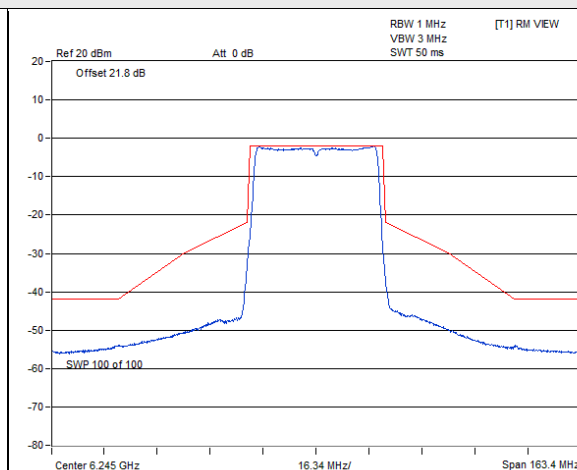


802.11ax (HE40)

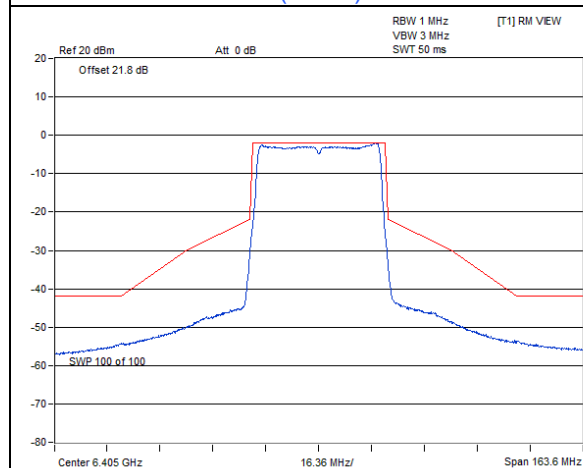
Spectrum Plot



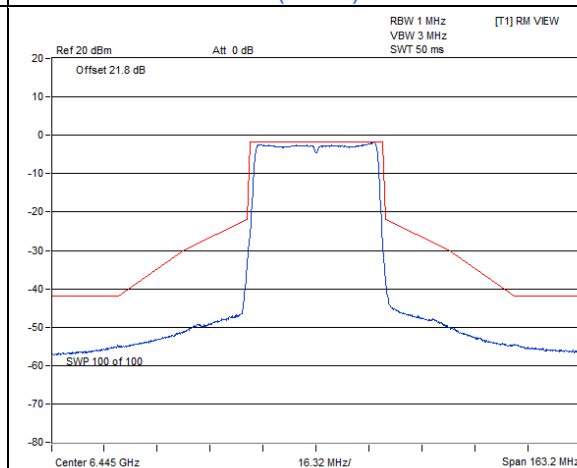
802.11ax (HE40) / Chain 0 : CH 35



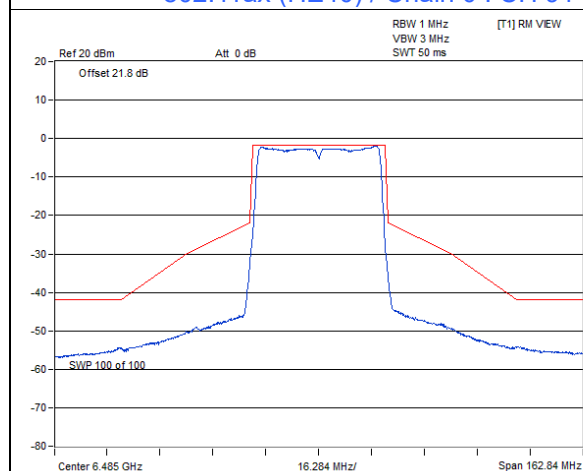
802.11ax (HE40) / Chain 0 : CH 59



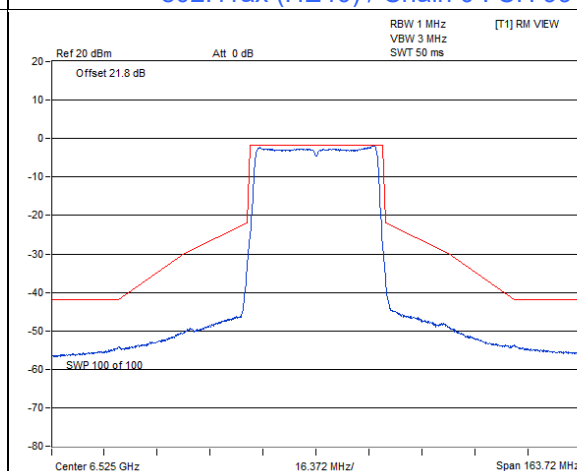
802.11ax (HE40) / Chain 0 : CH 91



802.11ax (HE40) / Chain 0 : CH 99

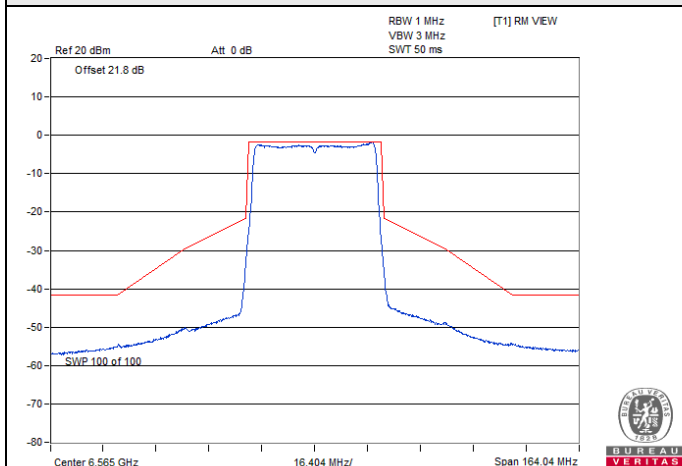


802.11ax (HE40) / Chain 0 : CH 107

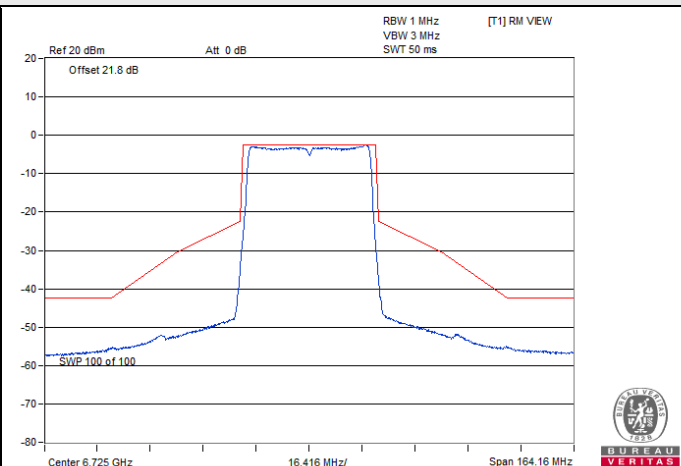


802.11ax (HE40) / Chain 0 : CH 115

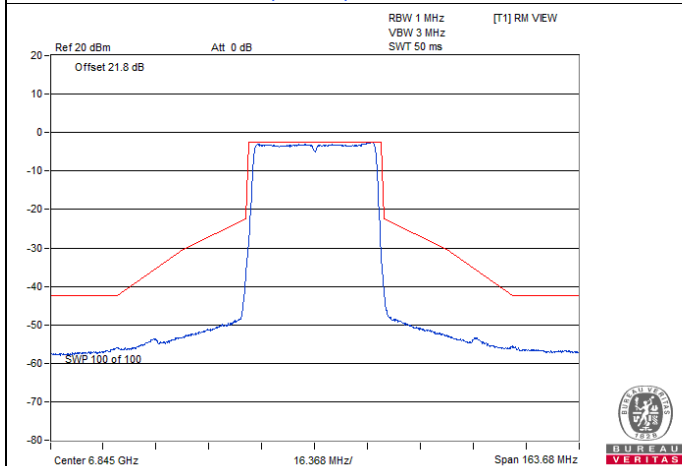
Spectrum Plot



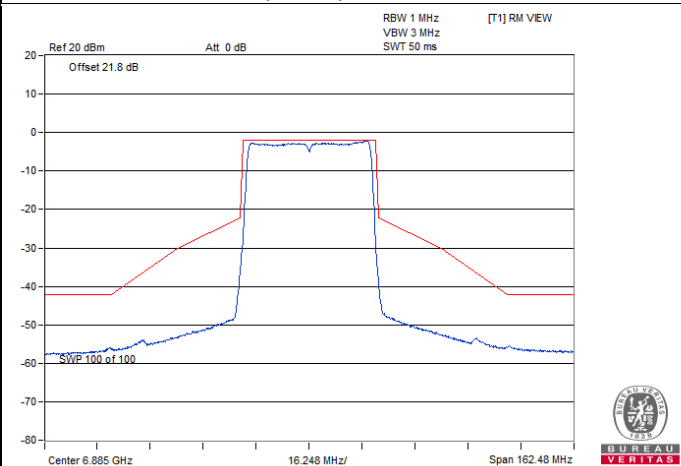
802.11ax (HE40) / Chain 0 : CH 123



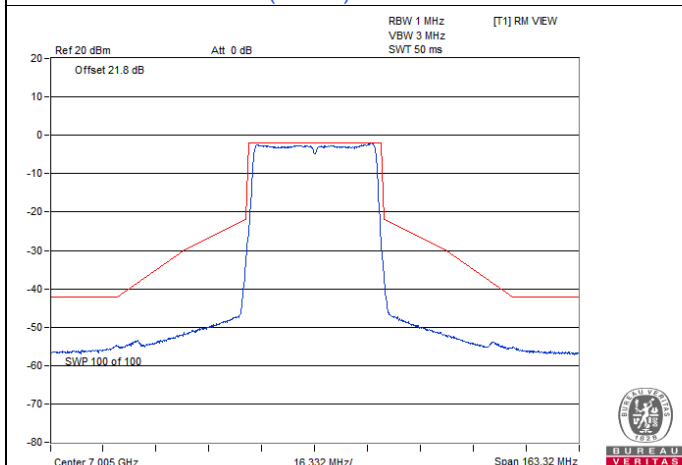
802.11ax (HE40) / Chain 0 : CH 155



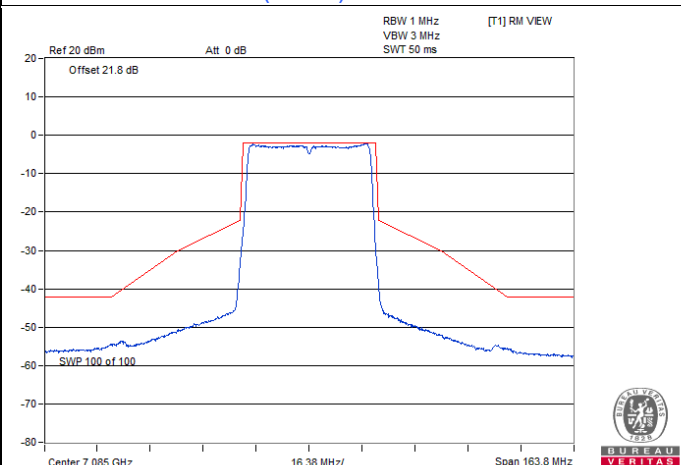
802.11ax (HE40) / Chain 0 : CH 179



802.11ax (HE40) / Chain 0 : CH 187

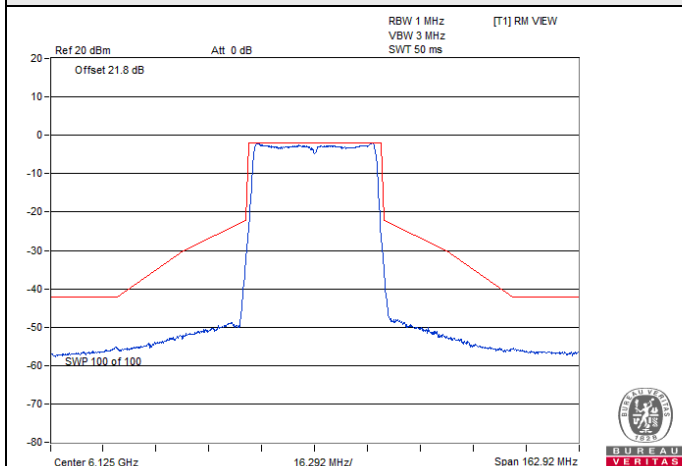


802.11ax (HE40) / Chain 0 : CH 211

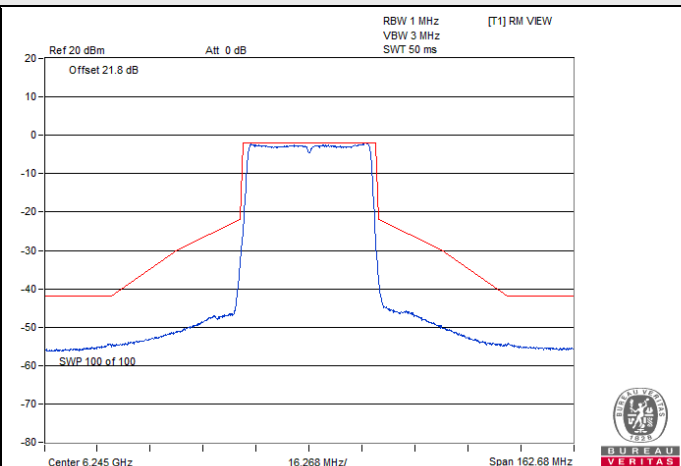


802.11ax (HE40) / Chain 0 : CH 227

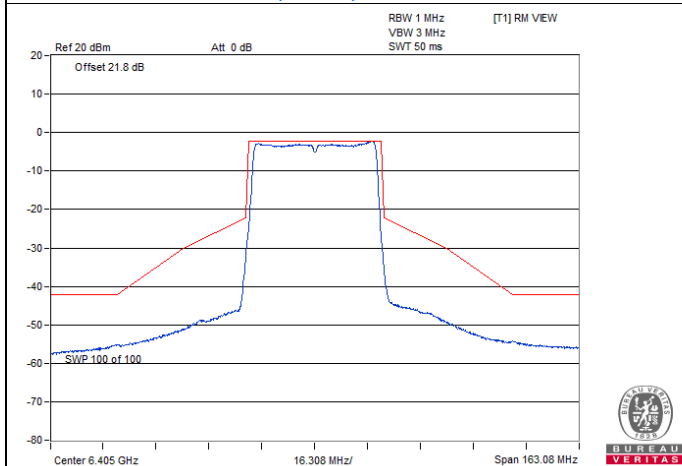
Spectrum Plot



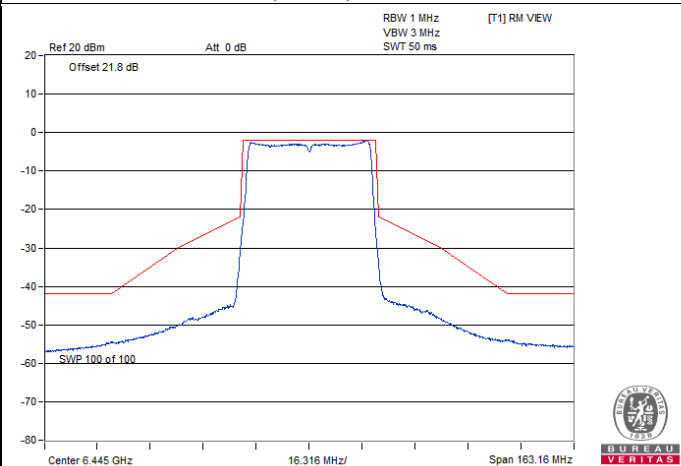
802.11ax (HE40) / Chain 1 : CH 35



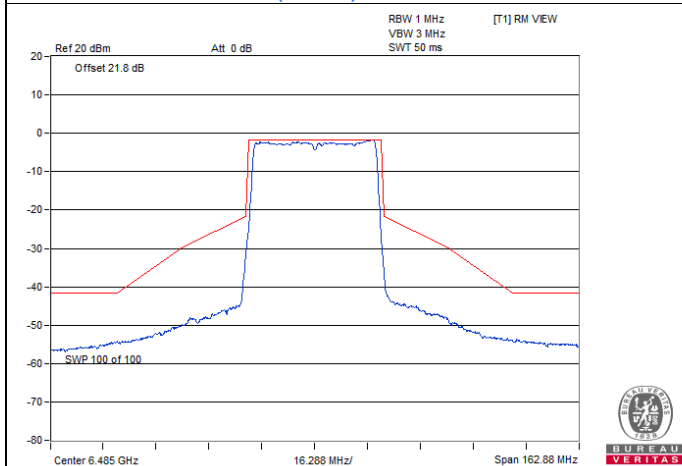
802.11ax (HE40) / Chain 1 : CH 59



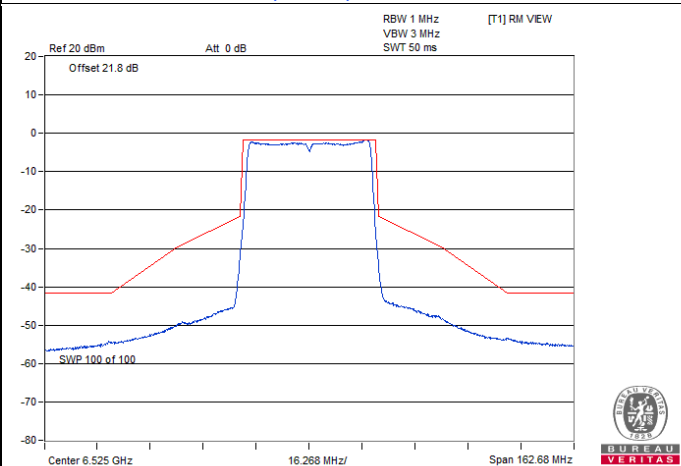
802.11ax (HE40) / Chain 1 : CH 91



802.11ax (HE40) / Chain 1 : CH 99

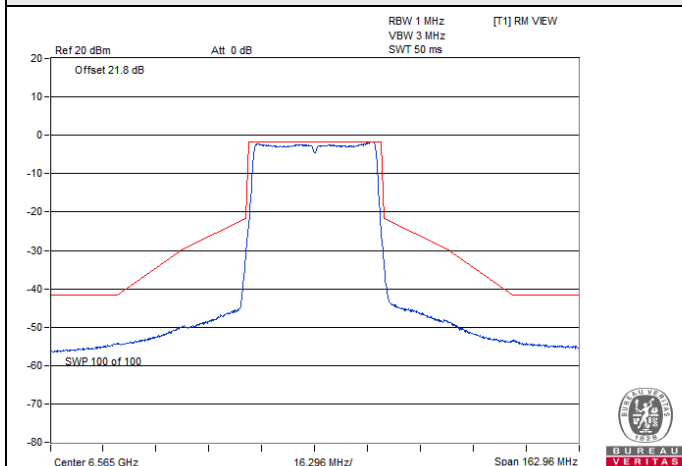


802.11ax (HE40) / Chain 1 : CH 107

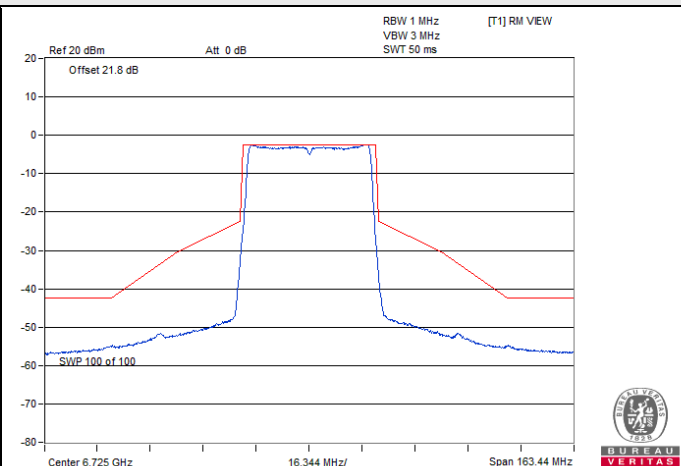


802.11ax (HE40) / Chain 1 : CH 115

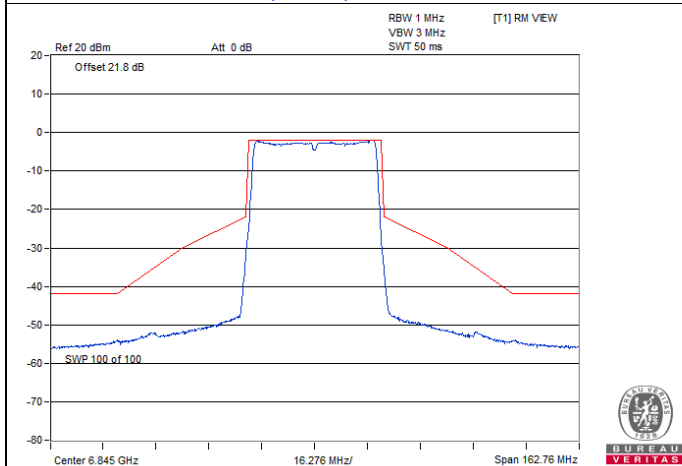
Spectrum Plot



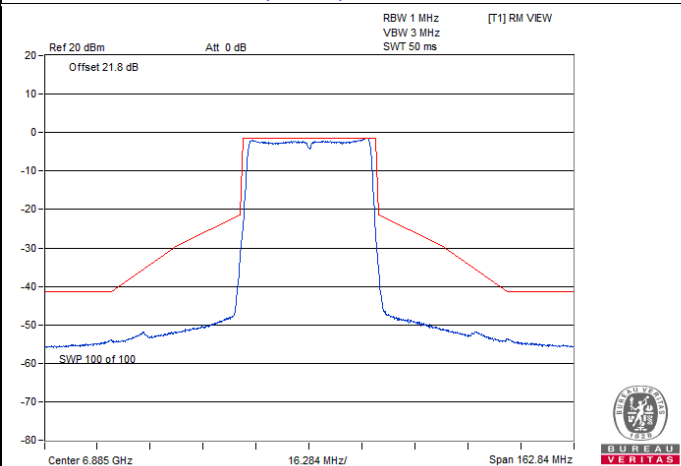
802.11ax (HE40) / Chain 1 : CH 123



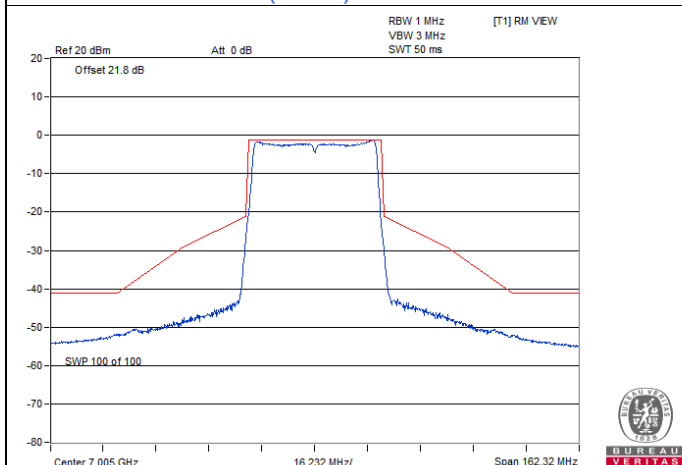
802.11ax (HE40) / Chain 1 : CH 155



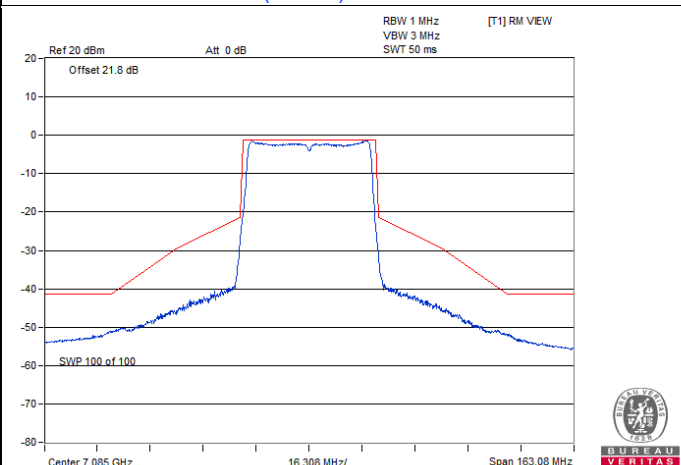
802.11ax (HE40) / Chain 1 : CH 179



802.11ax (HE40) / Chain 1 : CH 187



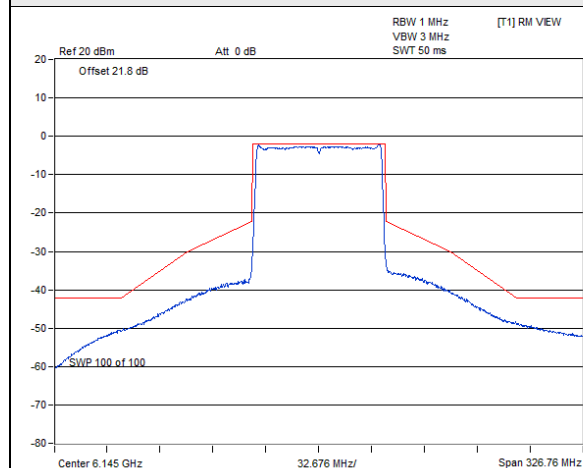
802.11ax (HE40) / Chain 1 : CH 211



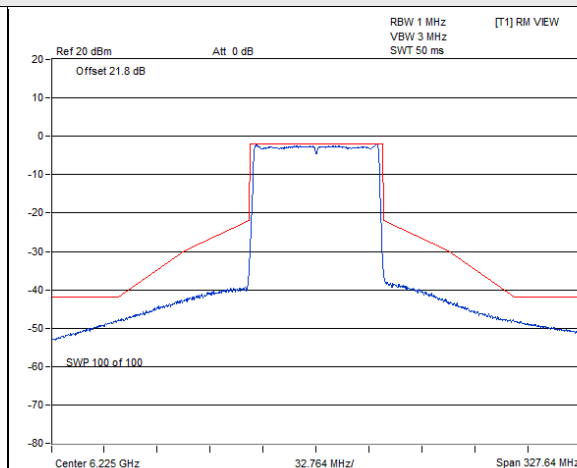
802.11ax (HE40) / Chain 1 : CH 227

802.11ax (HE80)

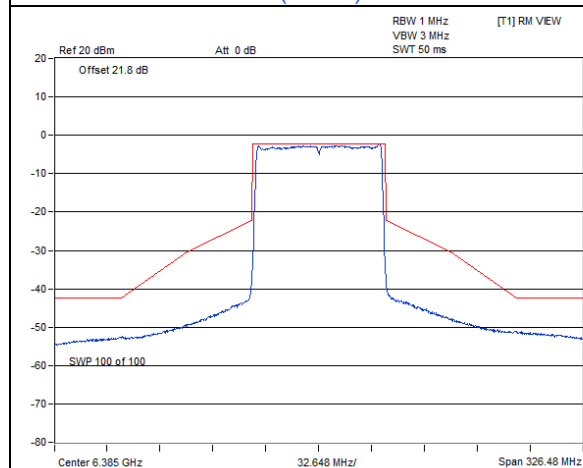
Spectrum Plot



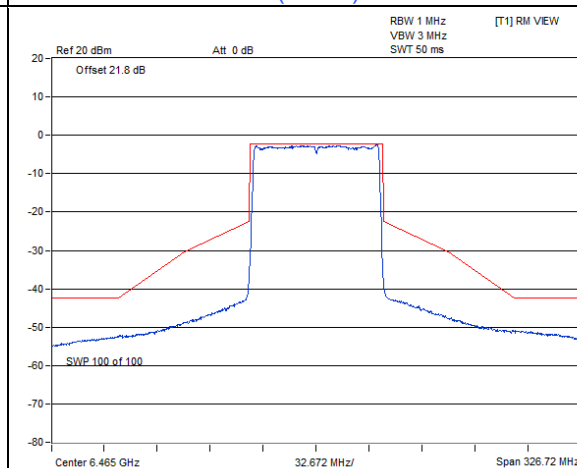
802.11ax (HE80) / Chain 0 : CH 39



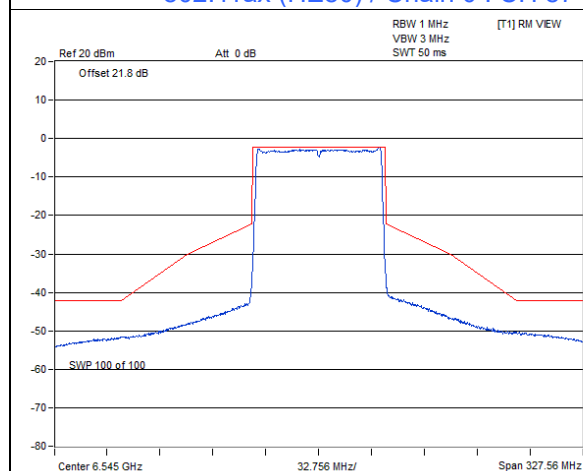
802.11ax (HE80) / Chain 0 : CH 55



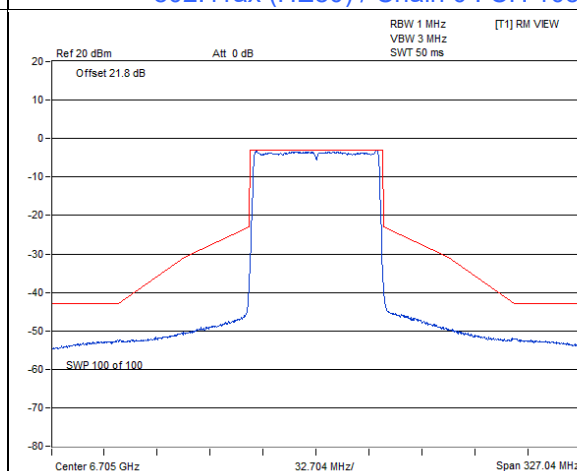
802.11ax (HE80) / Chain 0 : CH 87



802.11ax (HE80) / Chain 0 : CH 103



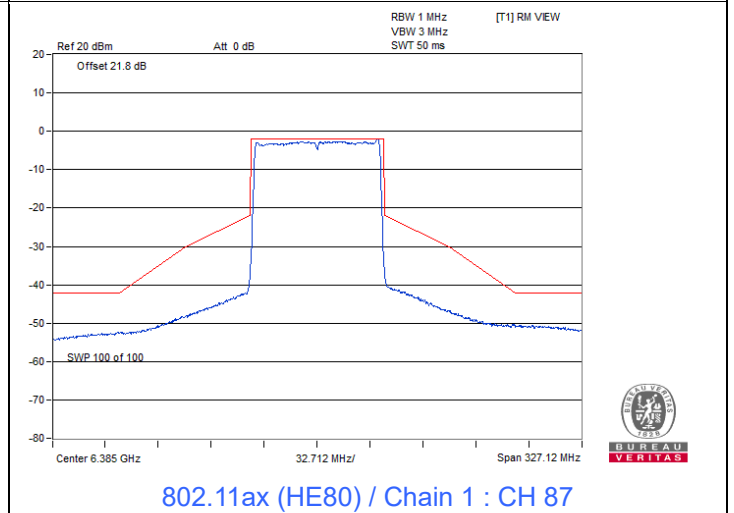
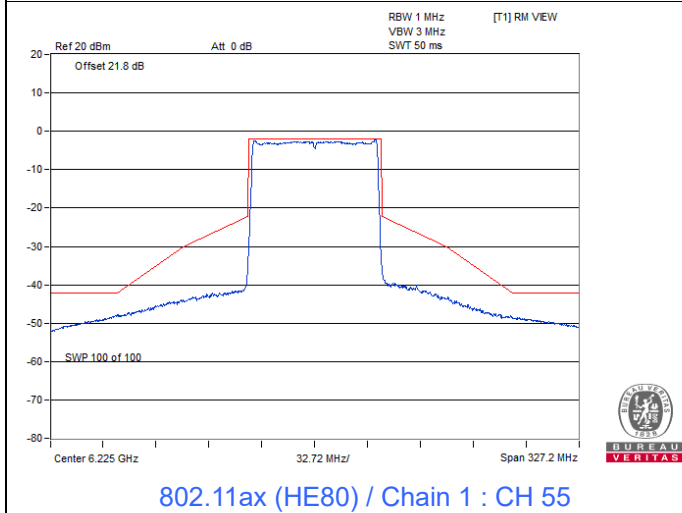
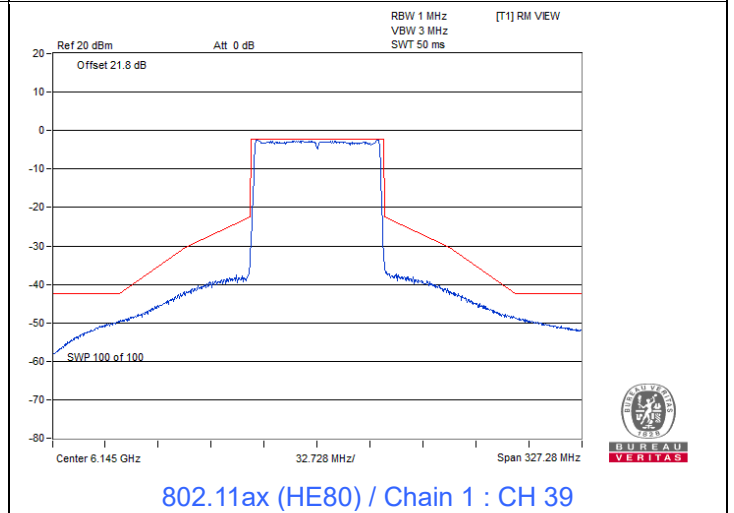
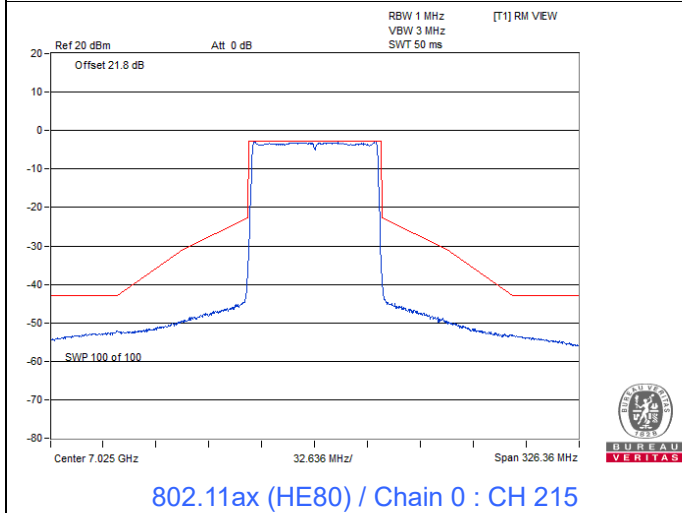
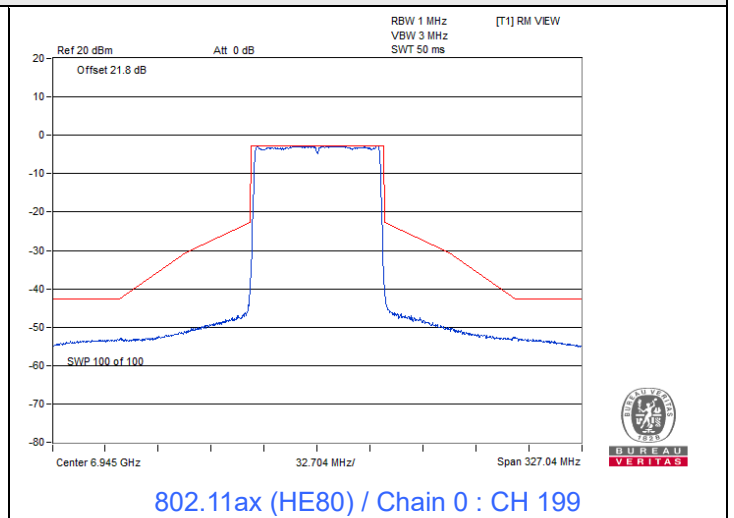
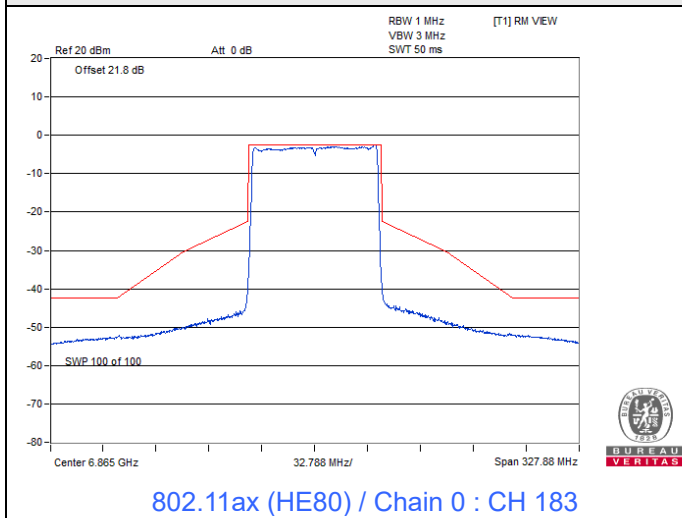
802.11ax (HE80) / Chain 0 : CH 119



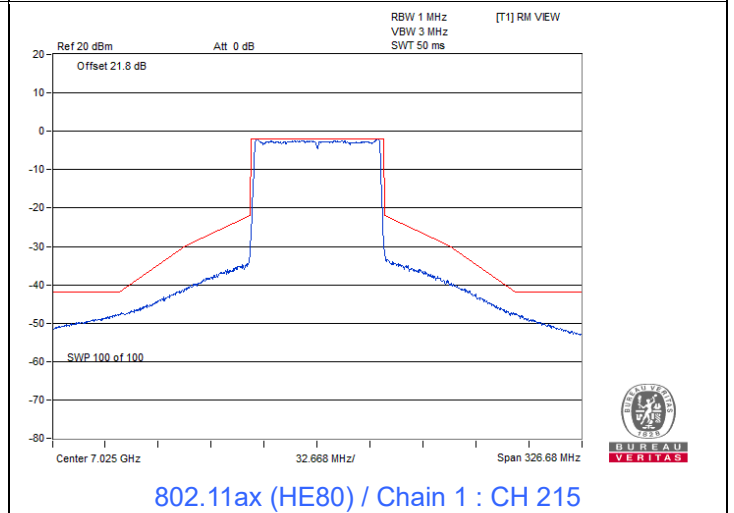
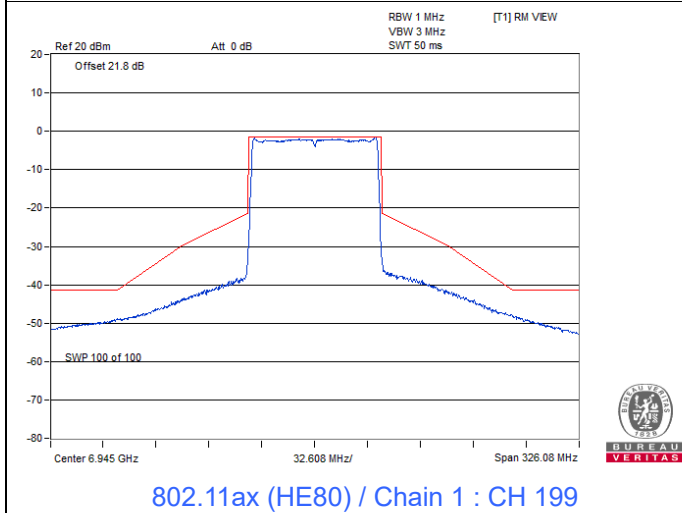
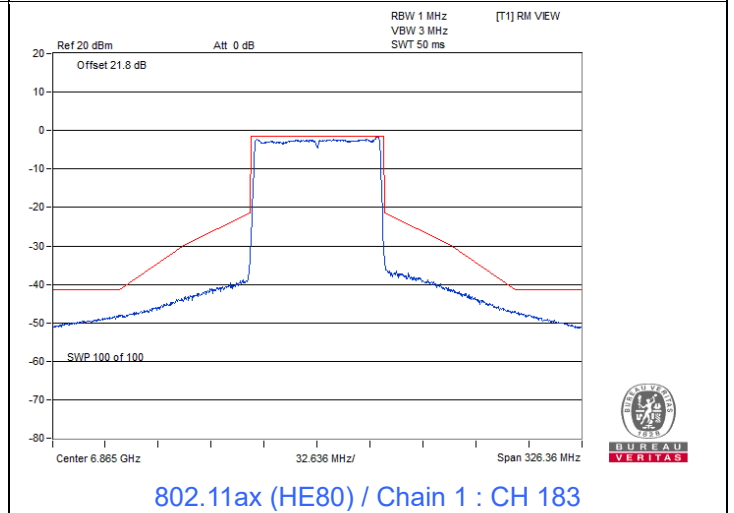
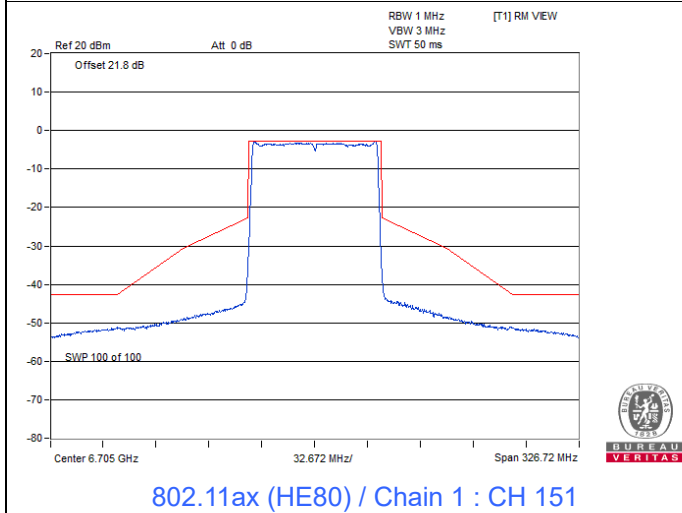
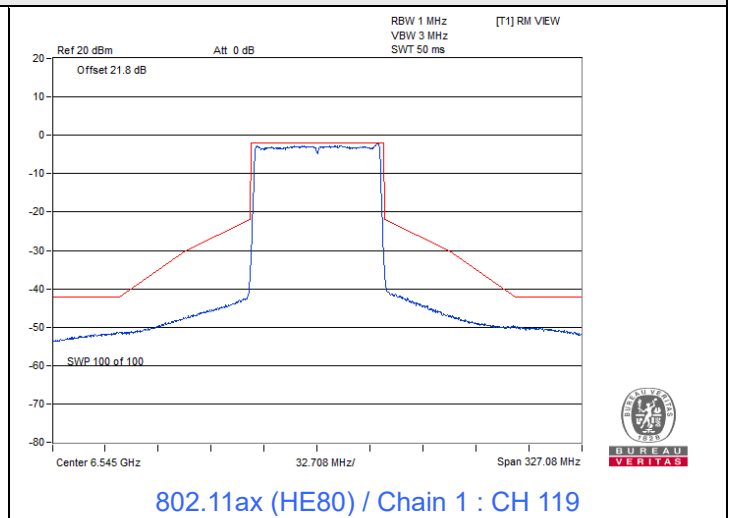
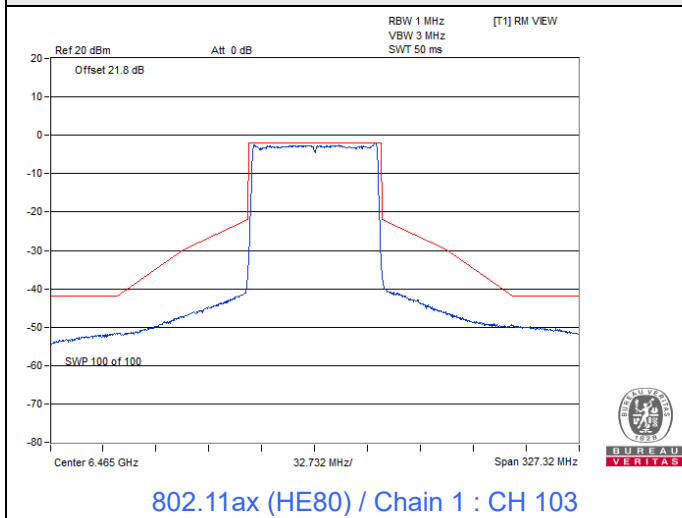
802.11ax (HE80) / Chain 0 : CH 151



Spectrum Plot

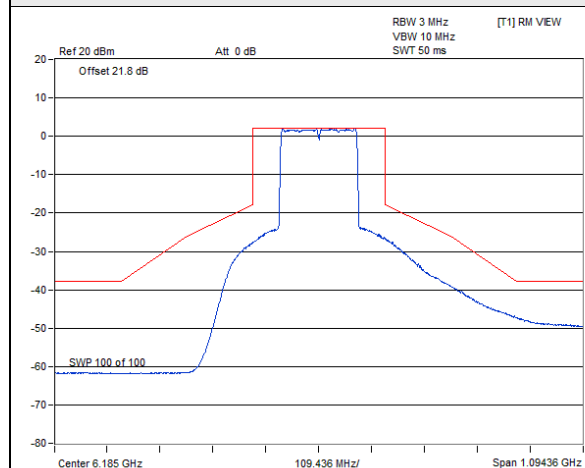


Spectrum Plot

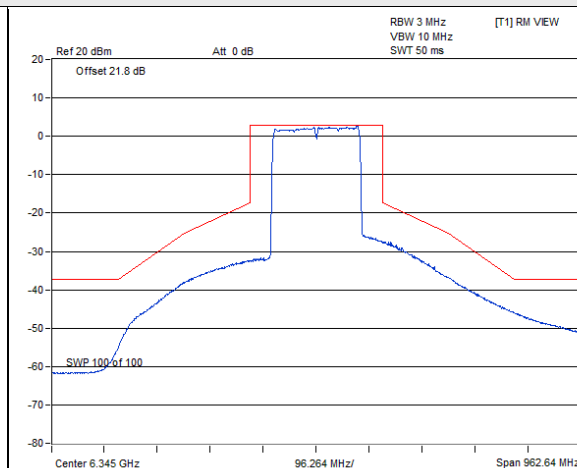


802.11ax (HE160)

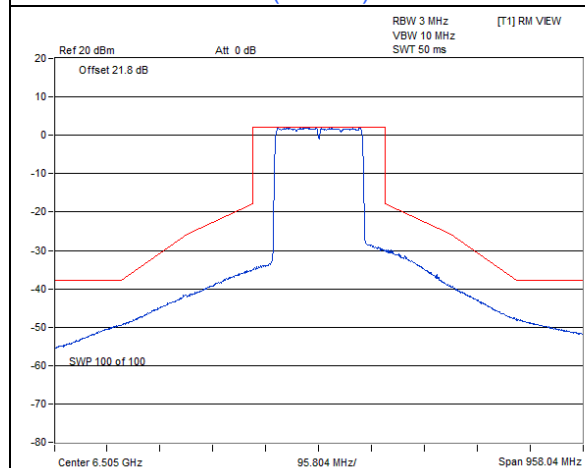
Spectrum Plot



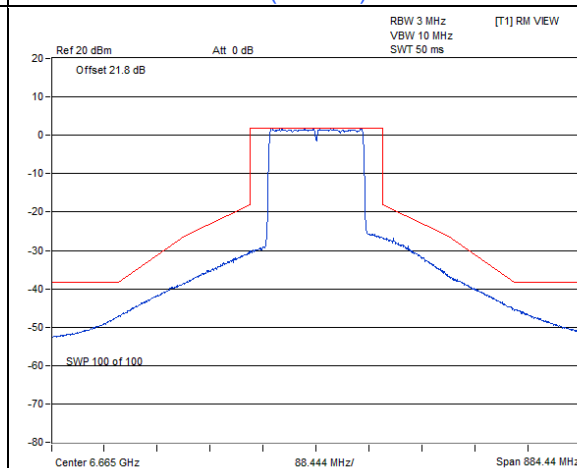
802.11ax (HE160) / Chain 0 : CH 47



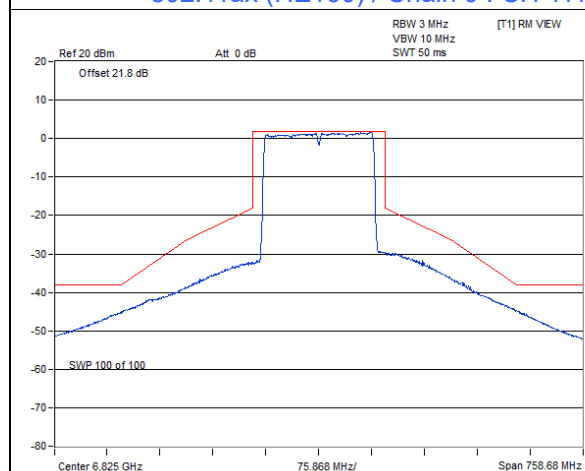
802.11ax (HE160) / Chain 0 : CH 79



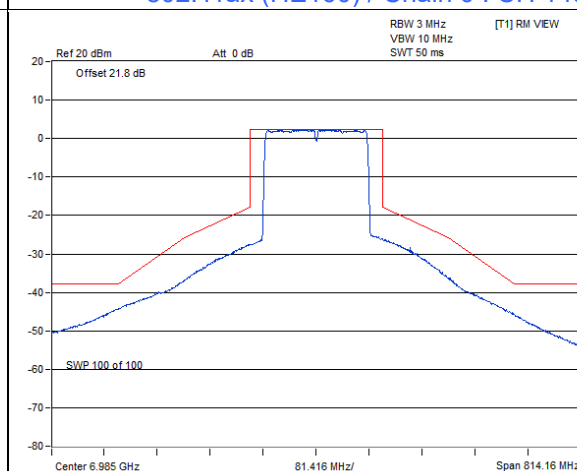
802.11ax (HE160) / Chain 0 : CH 111



802.11ax (HE160) / Chain 0 : CH 143

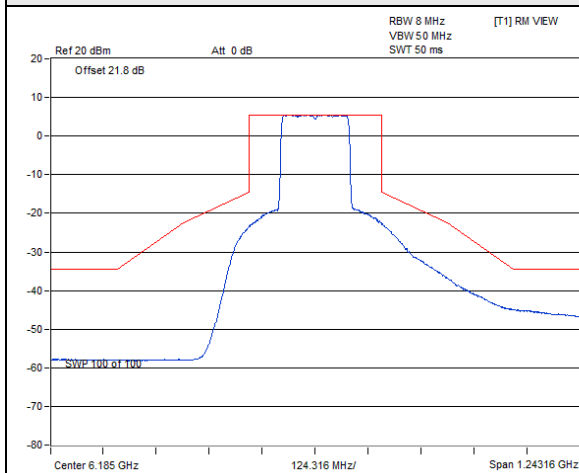


802.11ax (HE160) / Chain 0 : CH 175

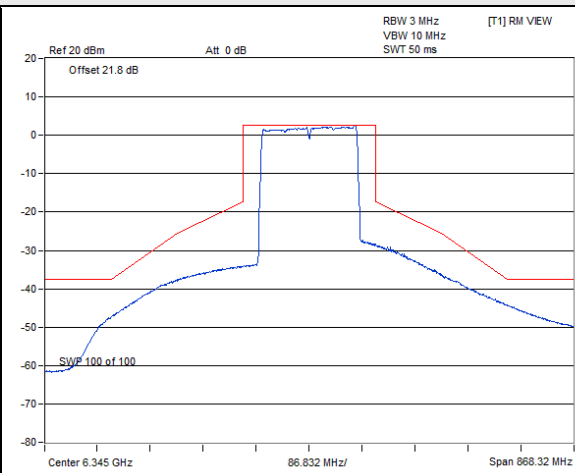


802.11ax (HE160) / Chain 0 : CH 207

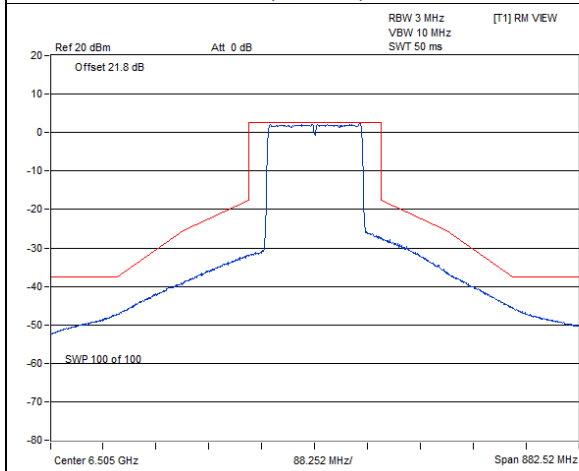
Spectrum Plot



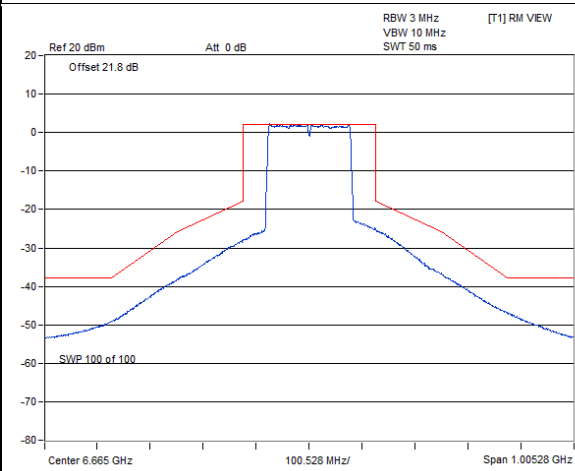
802.11ax (HE160) / Chain 1 : CH 47



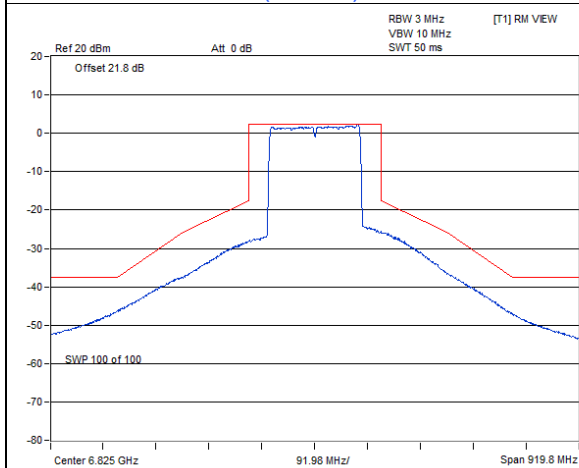
802.11ax (HE160) / Chain 1 : CH 79



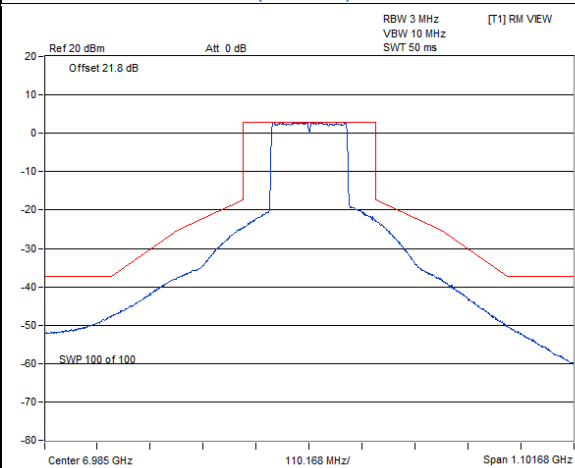
802.11ax (HE160) / Chain 1 : CH 111



802.11ax (HE160) / Chain 1 : CH 143



802.11ax (HE160) / Chain 1 : CH 175



802.11ax (HE160) / Chain 1 : CH 207

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
33	6115	16.74	16.80	320	Pass
61	6255	16.80	16.80	320	Pass
93	6415	16.98	16.80	320	Pass
97	6435	16.80	16.80	320	Pass
105	6475	16.80	16.74	320	Pass
113	6515	16.74	16.68	320	Pass
117	6535	16.86	16.74	320	Pass
149	6695	16.80	16.74	320	Pass
181	6855	16.80	16.80	320	Pass
185	6875	16.62	16.74	320	Pass
209	6995	16.86	16.80	320	Pass
233	7115	16.80	16.80	320	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
33	6115	19.02	18.96	320	Pass
61	6255	18.96	19.02	320	Pass
93	6415	19.02	19.08	320	Pass
97	6435	19.02	19.02	320	Pass
105	6475	19.02	19.08	320	Pass
113	6515	19.02	19.02	320	Pass
117	6535	19.02	19.14	320	Pass
149	6695	19.02	19.02	320	Pass
181	6855	19.08	19.02	320	Pass
185	6875	19.02	18.96	320	Pass
209	6995	19.02	18.96	320	Pass
229	7095	19.02	19.02	320	Pass
233	7115	19.08	19.02	320	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
35	6125	37.68	37.68	320	Pass
59	6245	37.68	37.68	320	Pass
91	6405	37.92	37.80	320	Pass
99	6445	37.80	37.80	320	Pass
107	6485	37.80	37.80	320	Pass
115	6525	37.80	37.68	320	Pass
123	6565	37.68	37.68	320	Pass
155	6725	37.80	37.80	320	Pass
179	6845	37.68	37.68	320	Pass
187	6885	37.80	37.80	320	Pass
211	7005	37.80	37.68	320	Pass
227	7085	37.80	37.68	320	Pass

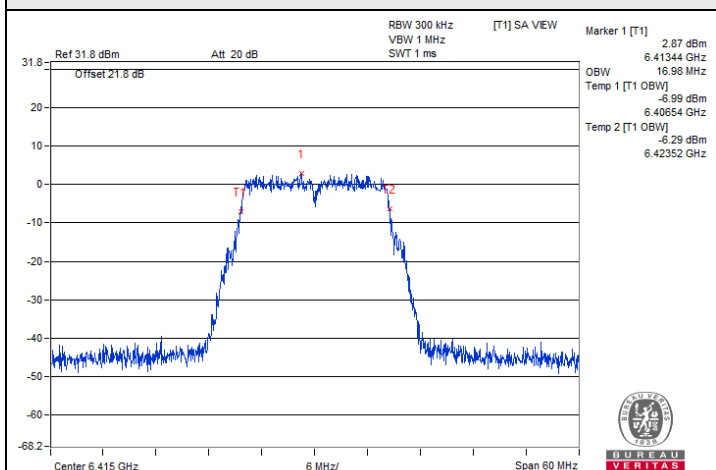
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
39	6145	77.04	77.04	320	Pass
55	6225	77.04	76.80	320	Pass
87	6385	77.04	76.80	320	Pass
103	6465	77.04	77.04	320	Pass
119	6545	76.80	77.04	320	Pass
151	6705	77.04	77.04	320	Pass
183	6865	77.04	77.28	320	Pass
199	6945	76.80	76.80	320	Pass
215	7025	76.80	77.28	320	Pass

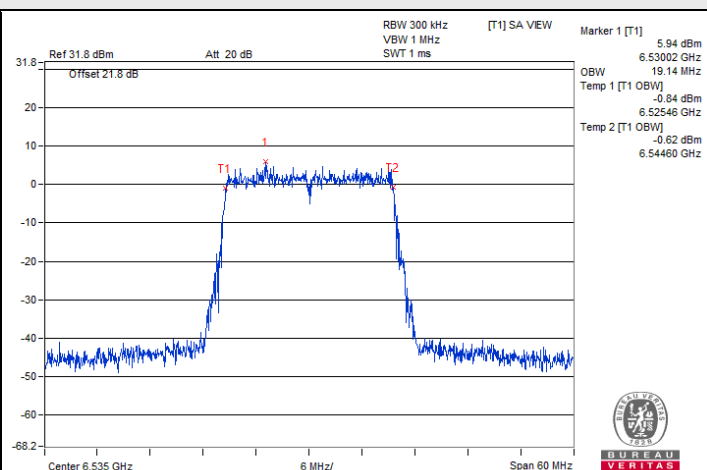
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
47	6185	156.00	156.48	320	Pass
79	6345	155.76	155.52	320	Pass
111	6505	156.00	156.24	320	Pass
143	6665	156.48	155.76	320	Pass
175	6825	155.76	156.00	320	Pass
207	6985	156.24	156.48	320	Pass

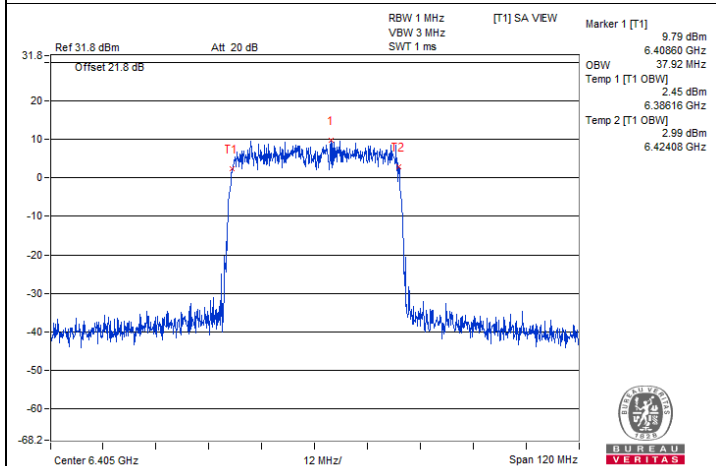
Spectrum Plot of Maximum Value



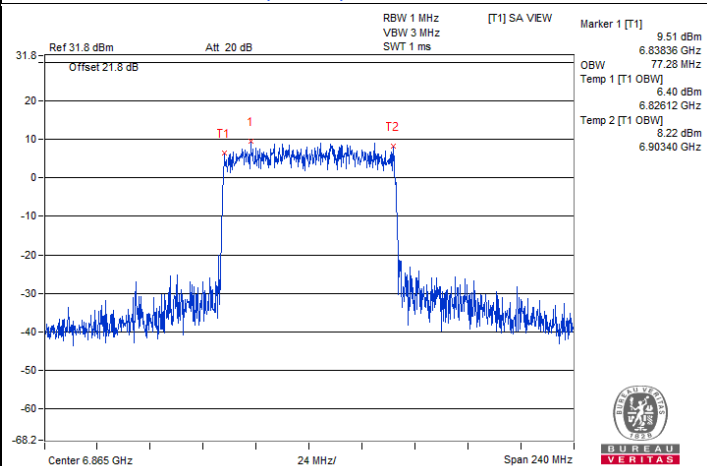
802.11a / Chain 0 : CH 93



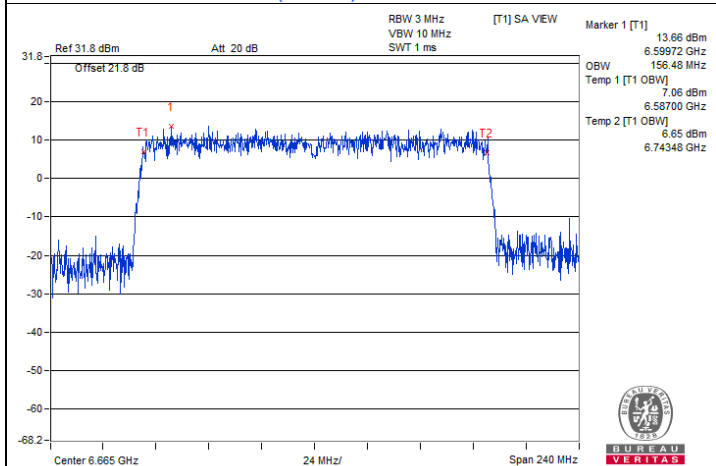
802.11ax (HE20) / Chain 1 : CH 117



802.11ax (HE40) / Chain 0 : CH 91



802.11ax (HE80) / Chain 1 : CH 183



802.11ax (HE160) / Chain 0 : CH 143

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 6115 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	6114.994	Pass	6114.9926	Pass	6114.9951	Pass	6114.9939	Pass
30	120	6114.9779	Pass	6114.9791	Pass	6114.9771	Pass	6114.977	Pass
20	120	6114.9728	Pass	6114.9699	Pass	6114.9725	Pass	6114.974	Pass
10	120	6114.9862	Pass	6114.9822	Pass	6114.9866	Pass	6114.981	Pass
0	120	6115	Pass	6114.9997	Pass	6114.999	Pass	6115.0012	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 6115 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	6114.9731	Pass	6114.9696	Pass	6114.9724	Pass	6114.9731	Pass
	120	6114.9728	Pass	6114.9699	Pass	6114.9725	Pass	6114.974	Pass
	102	6114.9769	Pass	6114.9773	Pass	6114.979	Pass	6114.9816	Pass

7.7 Contention-based Protocol

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Tobey Chen
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Companion Device Information			
Product	Brand	Model No.	Software/Firmware Version
Wifi 6E TRI-Band Gaming Router	ASUS	GT-AXE11000	3.0.0.4.386_43986

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	33	6115	6115	-64.13	2.85	0	-66.98	-62	OFF
					-64.63	2.85	0	-67.48	-62	Minimal
					-79.15	2.85	0	-82	-62	ON
	160	47	6110	6110	-66.22	2.85	0	-69.07	-62	OFF
					-66.72	2.85	0	-69.57	-62	Minimal
					-79.15	2.85	0	-82	-62	ON
		47	6185	6185	-64.14	2.85	0	-66.99	-62	OFF
					-64.64	2.85	0	-67.49	-62	Minimal
					-79.15	2.85	0	-82	-62	ON
		47	6260	6260	-64.21	2.85	0	-67.06	-62	OFF
					-64.71	2.85	0	-67.56	-62	Minimal
					-79.15	2.85	0	-82	-62	ON

Notes:

1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6115	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6110	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass
		6185	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6260	v	v	v	v	x	v	v	v	v	v	90%	90%	Pass

