

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3							
35	6125	11.75	10.67	10.76	10.57	49.945	16.98	2.99	99.31	19.97	30	Pass
59	6245	11.77	11.02	10.63	10.65	50.854	17.06	2.99	101.158	20.05	30	Pass
91	6405	11.34	10.72	10.08	11.20	48.786	16.88	2.99	97.051	19.87	30	Pass
99	6445	10.81	11.67	10.73	11.59	52.991	17.24	2.96	104.713	20.20	30	Pass
107	6485	10.28	11.26	10.42	11.21	48.26	16.84	2.96	95.499	19.80	30	Pass
*115 (U-NII-6 Band)	6525	7.34	8.06	7.30	8.70	24.601	13.91	2.96	48.641	16.87	30	Pass
*115 (U-NII-7 Band)	6525	7.47	8.03	7.59	8.85	25.353	14.04	2.94	49.888	16.98	30	Pass
123	6565	10.87	11.64	11.26	11.57	54.527	17.37	2.94	107.399	20.31	30	Pass
155	6725	10.77	11.56	11.22	10.99	52.065	17.17	2.94	102.565	20.11	30	Pass
179	6845	11.75	11.51	11.21	9.95	52.219	17.18	2.94	102.802	20.12	30	Pass
*187 (U-NII-7 Band)	6885	5.48	4.85	4.60	3.29	11.604	10.65	2.94	22.856	13.59	30	Pass
*187 (U-NII-8 Band)	6885	10.89	9.96	10.08	9.29	40.86	16.11	2.91	79.799	19.02	30	Pass
211	7005	11.09	11.42	10.45	11.66	52.468	17.2	2.91	102.565	20.11	30	Pass
227	7085	11.12	11.46	10.84	11.56	53.394	17.27	2.91	104.23	20.18	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3							
39	6145	14.46	14.27	14.02	14.31	106.868	20.29	2.99	212.81	23.28	30	Pass
55	6225	14.45	14.19	13.83	14.22	104.682	20.2	2.99	208.449	23.19	30	Pass
87	6385	14.44	13.91	13.82	14.60	105.34	20.23	2.99	209.894	23.22	30	Pass
103	6465	14.06	14.74	13.54	14.13	103.73	20.16	2.96	205.116	23.12	30	Pass
*119 (U-NII-6 Band)	6545	7.50	8.27	7.13	8.06	23.899	13.78	2.96	47.206	16.74	30	Pass
*119 (U-NII-7 Band)	6545	12.70	13.63	12.47	13.49	81.684	19.12	2.94	160.694	22.06	30	Pass
135	6625	13.45	14.32	14.06	14.27	101.369	20.06	2.94	199.526	23.00	30	Pass
151	6705	13.62	14.63	14.24	14.11	104.364	20.19	2.94	205.589	23.13	30	Pass
167	6785	14.12	14.37	13.76	12.35	94.123	19.74	2.94	185.353	22.68	30	Pass
*183 (U-NII-7 Band)	6865	13.06	12.59	12.65	11.15	69.825	18.44	2.94	137.404	21.38	30	Pass
*183 (U-NII-8 Band)	6865	10.82	10.48	10.69	9.34	43.559	16.39	2.94	85.704	19.33	30	Pass
199	6945	13.90	14.65	13.24	14.76	104.73	20.2	2.91	204.644	23.11	30	Pass
215	7025	14.03	14.66	13.26	14.78	105.779	20.24	2.91	206.538	23.15	30	Pass

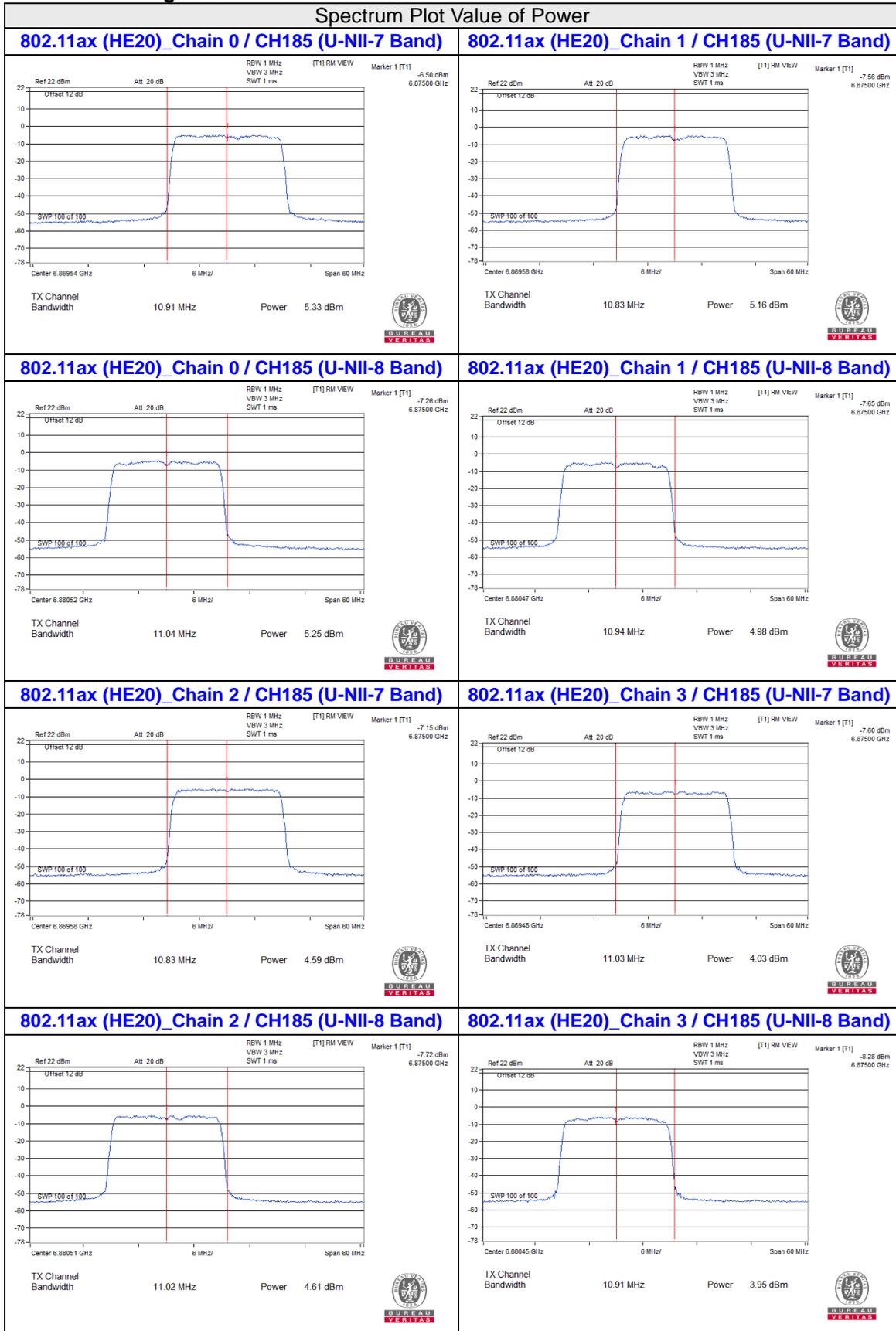
Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3							
47	6185	16.91	17.12	17.78	17.11	211.997	23.26	2.99	421.70	26.25	30	Pass
79	6345	17.32	16.91	17.13	16.93	204.001	23.1	2.99	406.443	26.09	30	Pass
*111 (U-NII-6 Band)	6505	14.22	15.40	14.79	16.04	131.407	21.19	2.96	260.016	24.15	30	Pass
*111 (U-NII-7 Band)	6505	12.00	12.96	12.35	13.28	74.079	18.7	2.96	146.555	21.66	30	Pass
143	6665	16.68	16.96	16.79	16.76	191.395	22.82	2.94	378.443	25.76	30	Pass
*175 (U-NII-7 Band)	6825	17.11	17.93	17.00	16.52	208.485	23.19	2.94	410.204	26.13	30	Pass
*175 (U-NII-8 Band)	6825	9.27	10.10	9.42	8.94	35.27	15.47	2.94	69.343	18.41	30	Pass
207	6985	17.75	17.26	17.06	17.43	218.928	23.4	2.91	427.563	26.31	30	Pass

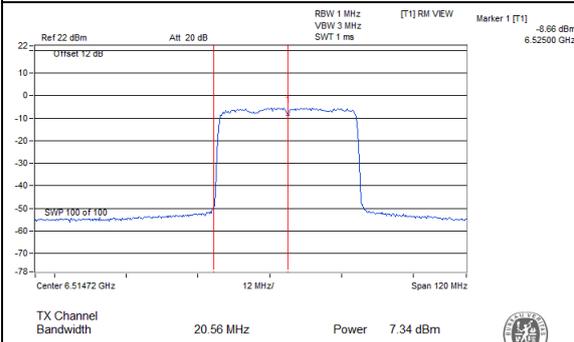
Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

For channel straddling 6525MHz & 6875MHz of Power

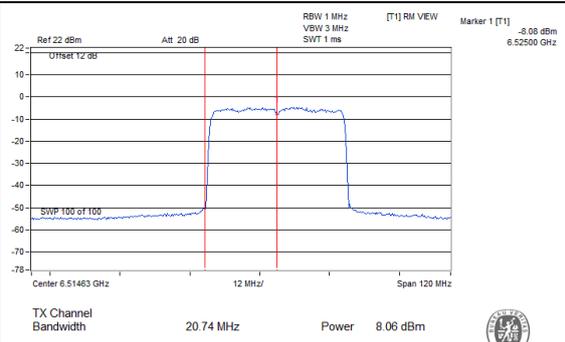


Spectrum Plot Value of Power

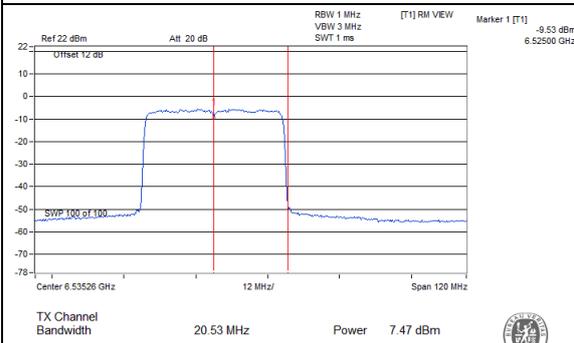
802.11ax (HE40)_Chain 0 / CH115 (U-NII-6 Band)



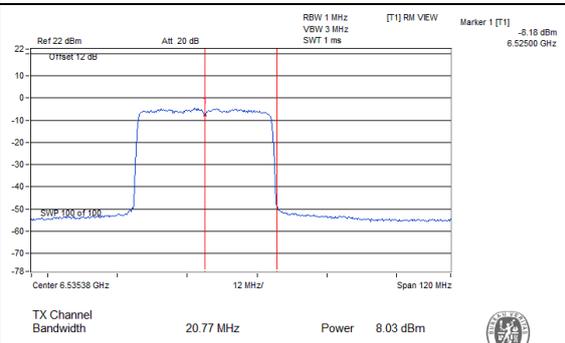
802.11ax (HE40)_Chain 1 / CH115 (U-NII-6 Band)



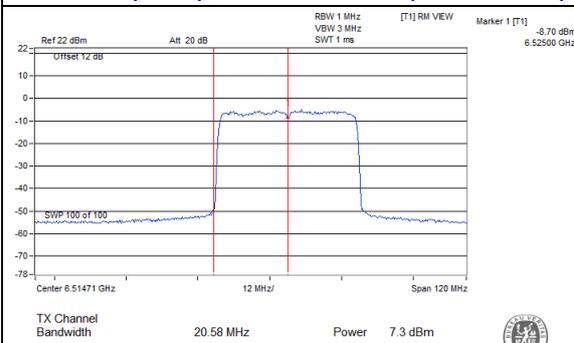
802.11ax (HE40)_Chain 0 / CH115 (U-NII-7 Band)



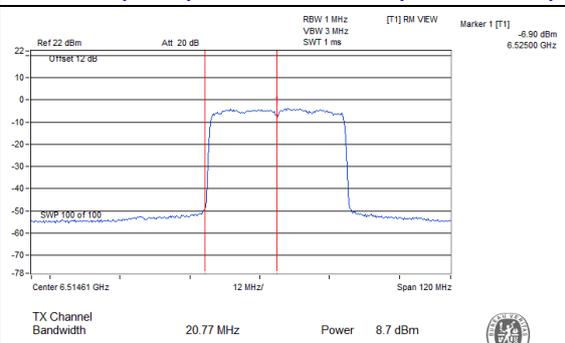
802.11ax (HE40)_Chain 1 / CH115 (U-NII-7 Band)



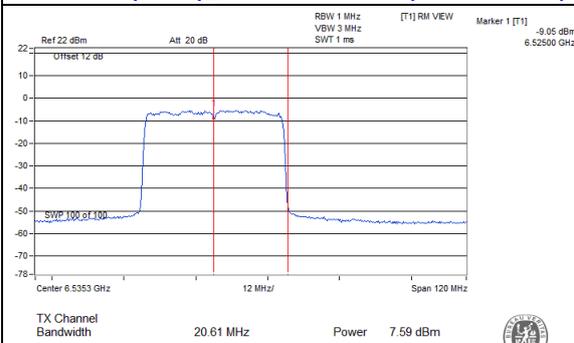
802.11ax (HE40)_Chain 2 / CH115 (U-NII-6 Band)



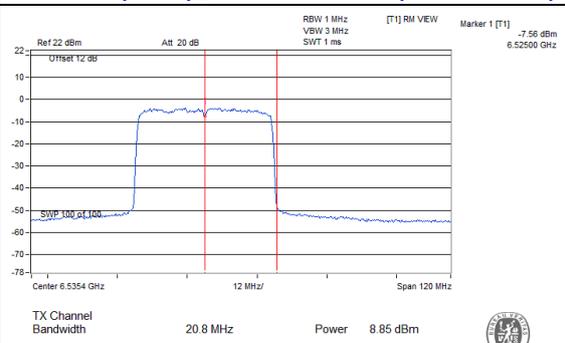
802.11ax (HE40)_Chain 3 / CH115 (U-NII-6 Band)



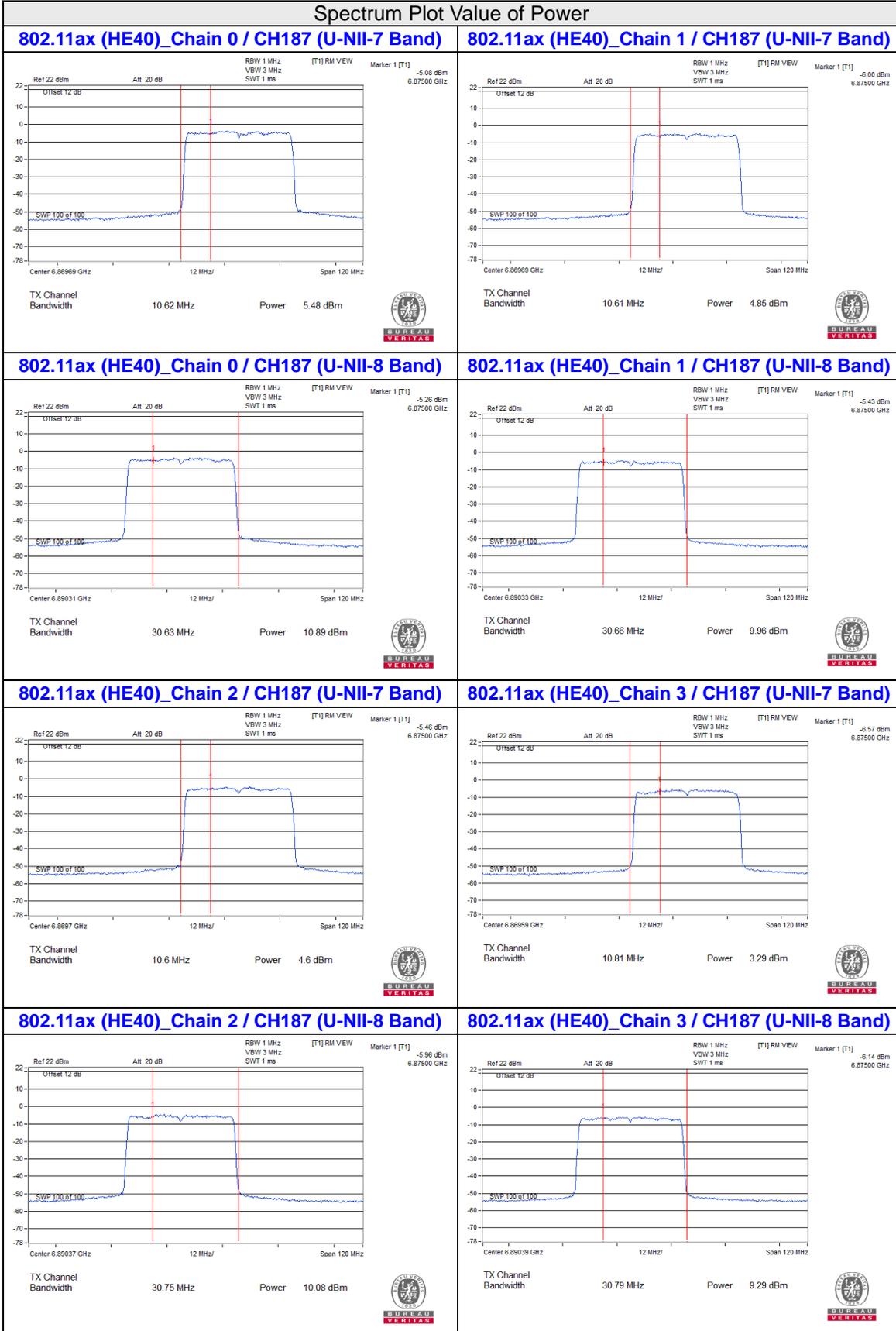
802.11ax (HE40)_Chain 2 / CH115 (U-NII-7 Band)



802.11ax (HE40)_Chain 3 / CH115 (U-NII-7 Band)



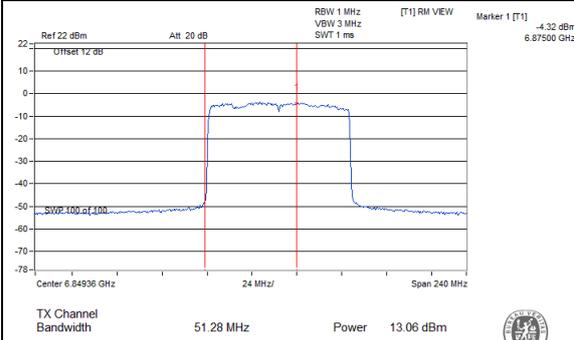
Spectrum Plot Value of Power



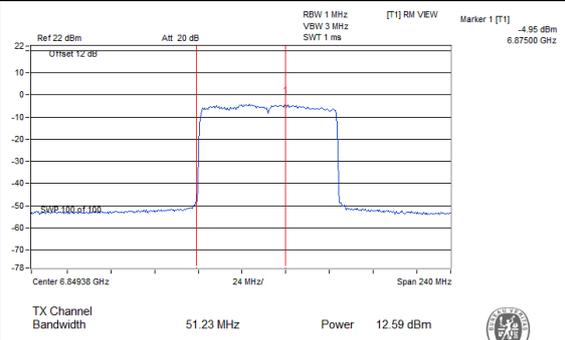


Spectrum Plot Value of Power

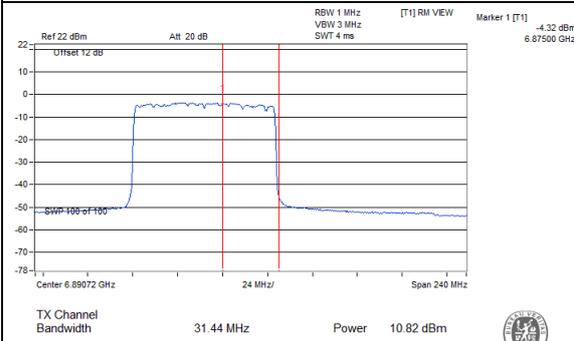
802.11ax (HE80)_Chain 0 / CH183 (U-NII-7 Band)



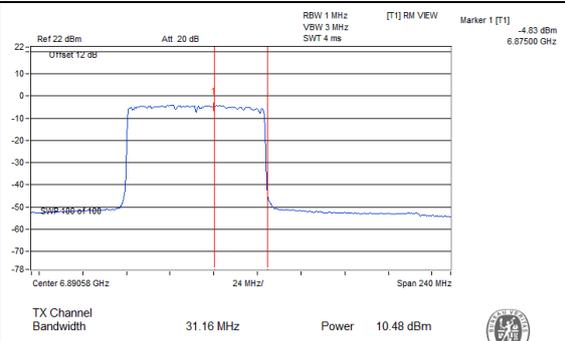
802.11ax (HE80)_Chain 1 / CH183 (U-NII-7 Band)



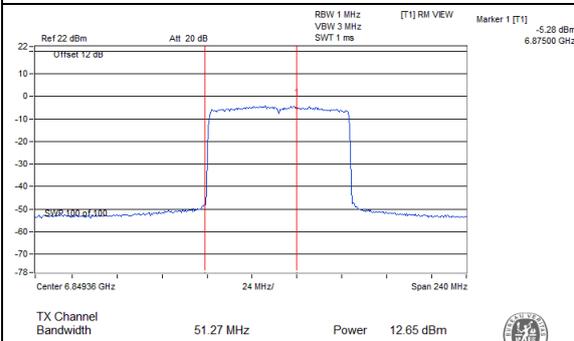
802.11ax (HE80)_Chain 0 / CH183 (U-NII-8 Band)



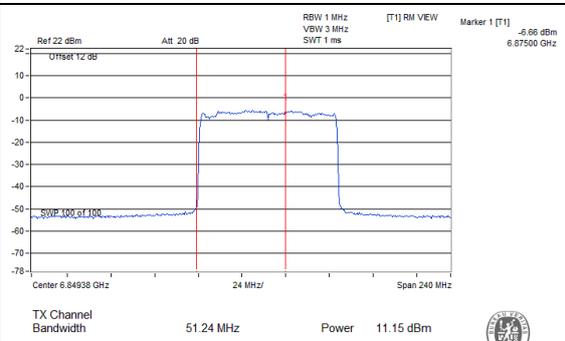
802.11ax (HE80)_Chain 1 / CH183 (U-NII-8 Band)



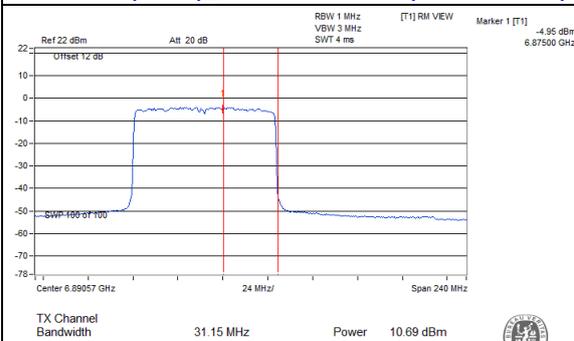
802.11ax (HE80)_Chain 2 / CH183 (U-NII-7 Band)



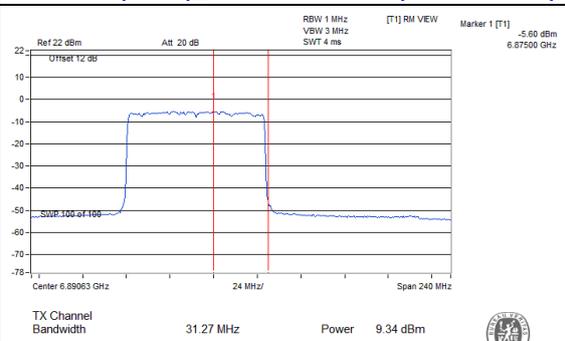
802.11ax (HE80)_Chain 3 / CH183 (U-NII-7 Band)



802.11ax (HE80)_Chain 2 / CH183 (U-NII-8 Band)

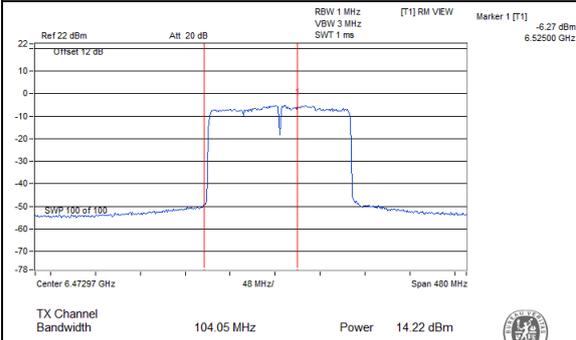


802.11ax (HE80)_Chain 3 / CH183 (U-NII-8 Band)

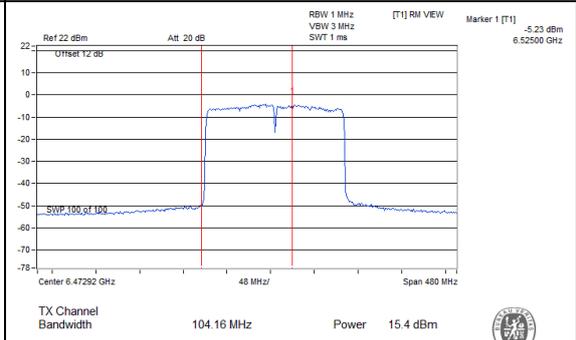


Spectrum Plot Value of Power

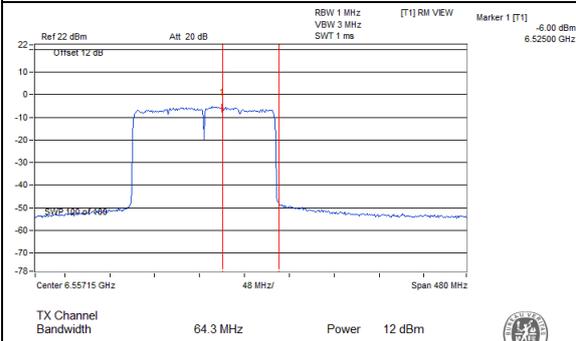
802.11ax (HE160)_Chain 0 / CH111 (U-NII-6 Band)



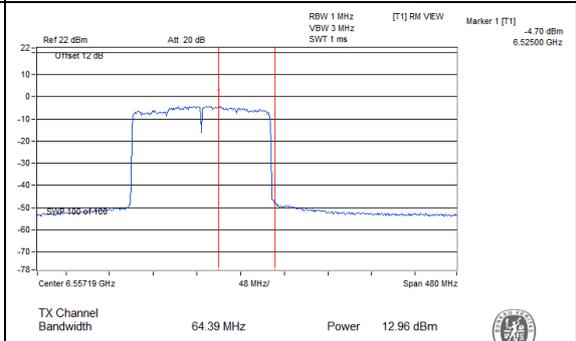
802.11ax (HE160)_Chain 1 / CH111 (U-NII-6 Band)



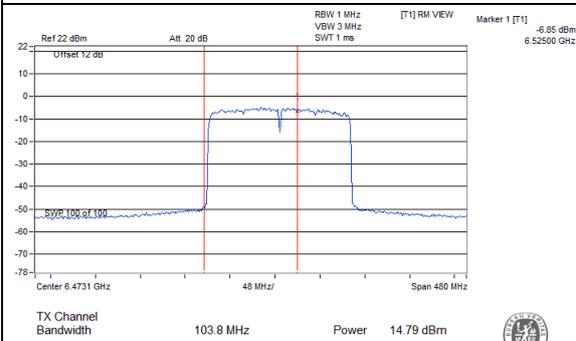
802.11ax (HE160)_Chain 0 / CH111 (U-NII-7 Band)



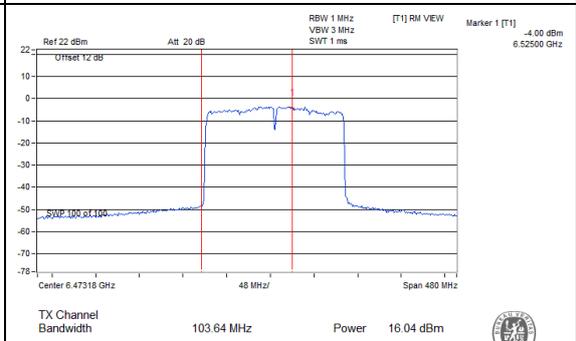
802.11ax (HE160)_Chain 1 / CH111 (U-NII-7 Band)



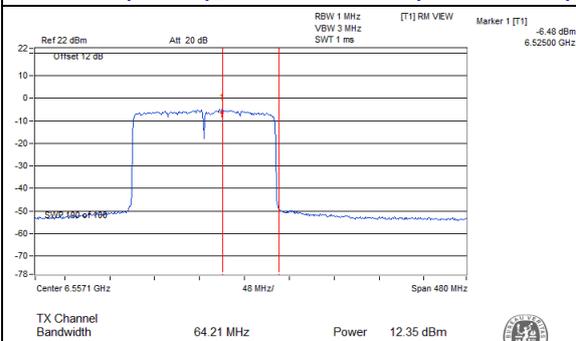
802.11ax (HE160)_Chain 2 / CH111 (U-NII-6 Band)



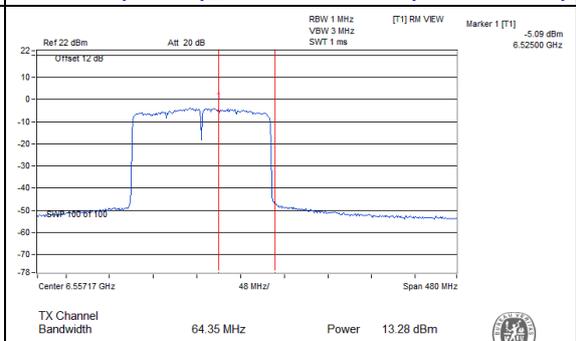
802.11ax (HE160)_Chain 3 / CH111 (U-NII-6 Band)



802.11ax (HE160)_Chain 2 / CH111 (U-NII-7 Band)

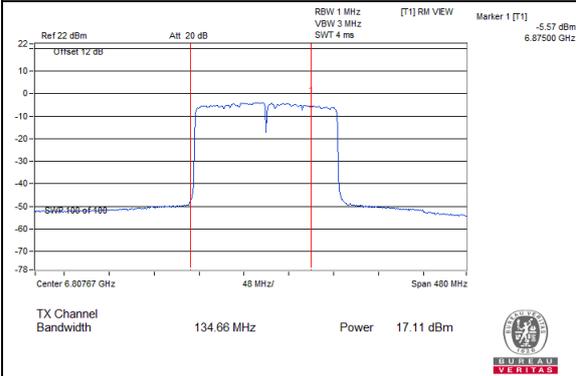


802.11ax (HE160)_Chain 3 / CH111 (U-NII-7 Band)

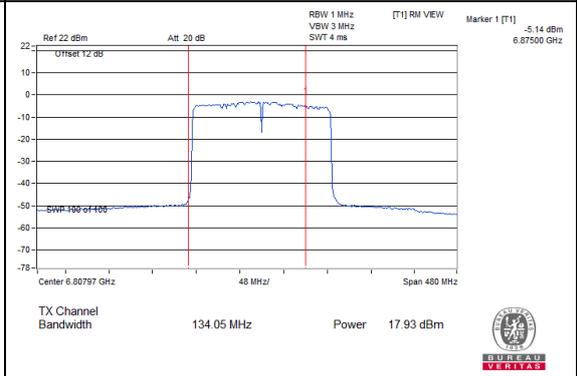


Spectrum Plot Value of Power

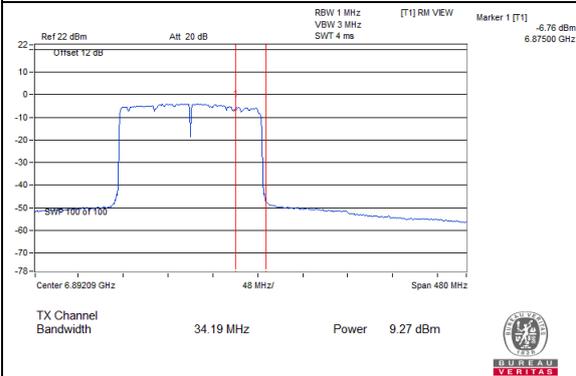
802.11ax (HE160)_Chain 0 / CH175 (U-NII-7 Band)



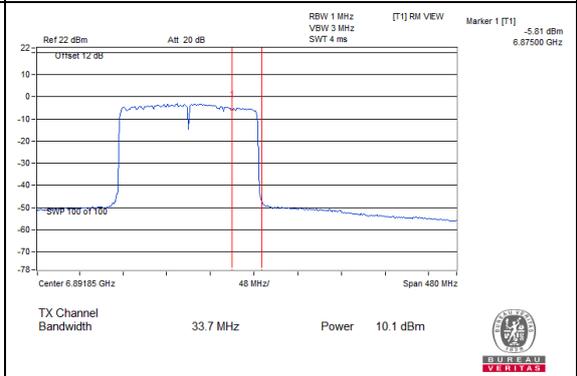
802.11ax (HE160)_Chain 1 / CH175 (U-NII-7 Band)



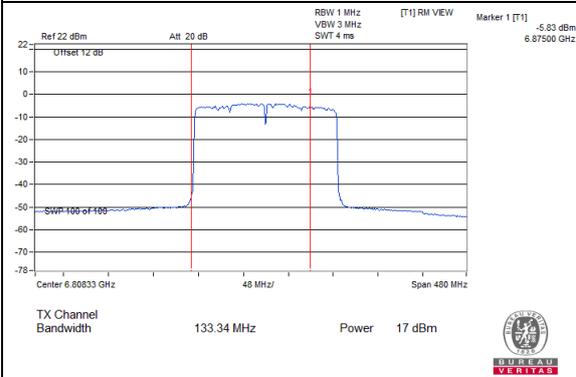
802.11ax (HE160)_Chain 0 / CH175 (U-NII-8 Band)



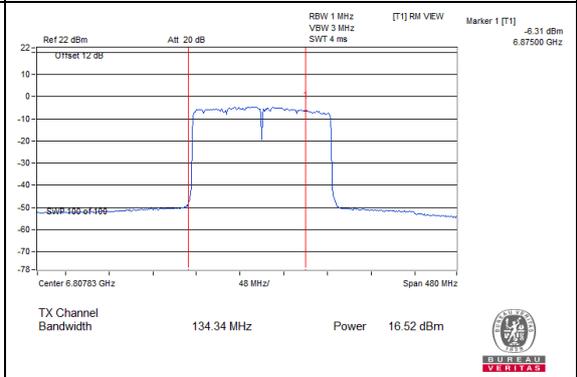
802.11ax (HE160)_Chain 1 / CH175 (U-NII-8 Band)



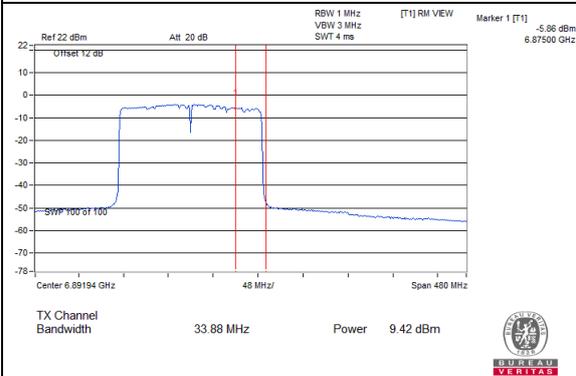
802.11ax (HE160)_Chain 2 / CH175 (U-NII-7 Band)



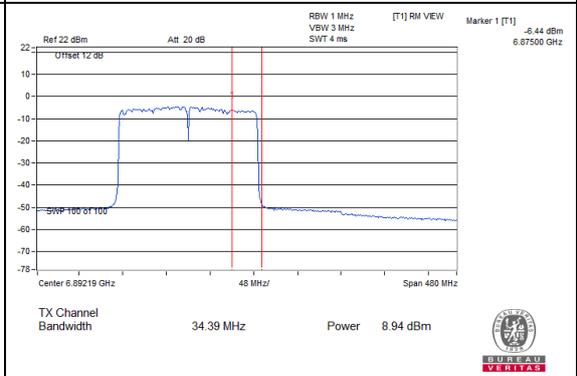
802.11ax (HE160)_Chain 3 / CH175 (U-NII-7 Band)



802.11ax (HE160)_Chain 2 / CH175 (U-NII-8 Band)



802.11ax (HE160)_Chain 3 / CH175 (U-NII-8 Band)



Beamforming Mode:

Power Output:

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3							
33	6115	8.12	7.91	8.01	8.68	26.37	14.21	2.96	52.12	17.17	30	Pass
61	6255	8.25	7.95	7.93	8.67	26.492	14.23	2.96	52.36	17.19	30	Pass
93	6415	8.64	7.38	7.08	8.82	25.507	14.07	2.96	50.466	17.03	30	Pass
97	6435	7.50	8.03	7.58	9.23	26.08	14.16	2.99	51.88	17.15	30	Pass
105	6475	7.52	8.16	7.66	9.47	26.881	14.29	2.99	53.456	17.28	30	Pass
113	6515	7.57	7.85	7.66	9.07	25.717	14.1	2.99	51.168	17.09	30	Pass
117	6535	7.31	7.59	7.45	8.96	24.553	13.9	2.96	48.529	16.86	30	Pass
153	6715	7.43	7.84	8.46	8.72	26.077	14.16	2.96	51.523	17.12	30	Pass
181	6855	8.54	8.76	8.12	7.66	26.982	14.31	2.96	53.333	17.27	30	Pass
*185 (U-NII-7 Band)	6875	5.33	5.16	4.59	4.03	12.1	10.83	2.96	23.933	13.79	30	Pass
*185 (U-NII-8 Band)	6875	5.25	4.98	4.61	3.95	11.871	10.74	2.97	23.496	13.71	30	Pass
213	7015	7.77	8.28	7.29	8.87	25.781	14.11	2.97	51.05	17.08	30	Pass
229	7095	8.02	8.24	7.85	8.92	26.9	14.3	2.97	53.333	17.27	30	Pass
233	7115	3.59	3.39	3.28	3.30	8.734	9.41	2.97	17.30	12.38	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3							
35	6125	11.75	10.67	10.76	10.57	49.945	16.98	2.96	98.63	19.94	30	Pass
59	6245	11.77	11.02	10.63	10.65	50.854	17.06	2.96	100.462	20.02	30	Pass
91	6405	11.34	10.72	10.08	11.20	48.786	16.88	2.96	96.383	19.84	30	Pass
99	6445	10.81	11.67	10.73	11.59	52.991	17.24	2.99	105.439	20.23	30	Pass
107	6485	10.28	11.26	10.42	11.21	48.26	16.84	2.99	96.161	19.83	30	Pass
*115 (U-NII-6 Band)	6525	7.34	8.06	7.30	8.70	24.601	13.91	2.99	48.978	16.90	30	Pass
*115 (U-NII-7 Band)	6525	7.47	8.03	7.59	8.85	25.353	14.04	2.96	50.119	17.00	30	Pass
123	6565	10.87	11.64	11.26	11.57	54.527	17.37	2.96	107.895	20.33	30	Pass
155	6725	10.77	11.56	11.22	10.99	52.065	17.17	2.96	103.039	20.13	30	Pass
179	6845	11.75	11.51	11.21	9.95	52.219	17.18	2.96	103.276	20.14	30	Pass
*187 (U-NII-7 Band)	6885	5.48	4.85	4.60	3.29	11.604	10.65	2.96	22.961	13.61	30	Pass
*187 (U-NII-8 Band)	6885	10.89	9.96	10.08	9.29	40.86	16.11	2.97	80.91	19.08	30	Pass
211	7005	11.09	11.42	10.45	11.66	52.468	17.2	2.97	103.992	20.17	30	Pass
227	7085	11.12	11.46	10.84	11.56	53.394	17.27	2.97	105.68	20.24	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3							
39	6145	14.46	14.27	14.02	14.31	106.868	20.29	2.96	211.35	23.25	30	Pass
55	6225	14.45	14.19	13.83	14.22	104.682	20.2	2.96	207.014	23.16	30	Pass
87	6385	14.44	13.91	13.82	14.60	105.34	20.23	2.96	208.449	23.19	30	Pass
103	6465	14.06	14.74	13.54	14.13	103.73	20.16	2.99	206.538	23.15	30	Pass
*119 (U-NII-6 Band)	6545	7.50	8.27	7.13	8.06	23.899	13.78	2.99	47.534	16.77	30	Pass
*119 (U-NII-7 Band)	6545	12.70	13.63	12.47	13.49	81.684	19.12	2.96	161.436	22.08	30	Pass
135	6625	13.45	14.32	14.06	14.27	101.369	20.06	2.96	200.447	23.02	30	Pass
151	6705	13.62	14.63	14.24	14.11	104.364	20.19	2.96	206.538	23.15	30	Pass
167	6785	14.12	14.37	13.76	12.35	94.123	19.74	2.96	186.209	22.70	30	Pass
*183 (U-NII-7 Band)	6865	13.06	12.59	12.65	11.15	69.825	18.44	2.96	138.038	21.40	30	Pass
*183 (U-NII-8 Band)	6865	10.82	10.48	10.69	9.34	43.559	16.39	2.96	86.099	19.35	30	Pass
199	6945	13.90	14.65	13.24	14.76	104.73	20.2	2.97	207.491	23.17	30	Pass
215	7025	14.03	14.66	13.26	14.78	105.779	20.24	2.97	209.411	23.21	30	Pass

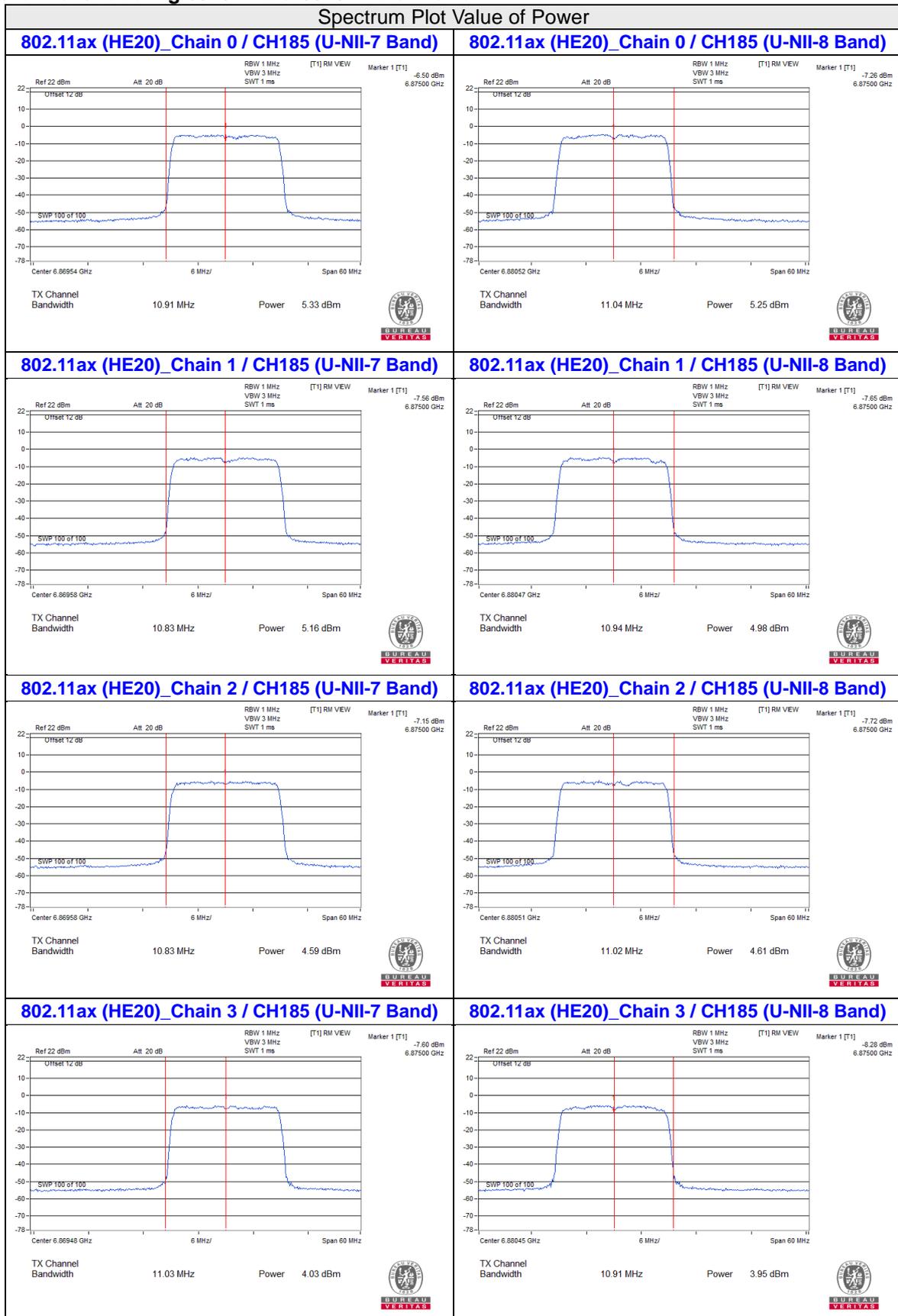
Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3							
47	6185	16.91	17.12	17.78	17.11	211.997	23.26	2.96	418.79	26.22	30	Pass
79	6345	17.32	16.91	17.13	16.93	204.001	23.1	2.96	403.645	26.06	30	Pass
*111 (U-NII-6 Band)	6505	14.22	15.40	14.79	16.04	131.407	21.19	2.99	261.818	24.18	30	Pass
*111 (U-NII-7 Band)	6505	12.00	12.96	12.35	13.28	74.079	18.7	2.99	147.571	21.69	30	Pass
143	6665	16.68	16.96	16.79	16.76	191.395	22.82	2.96	378.443	25.78	30	Pass
*175 (U-NII-7 Band)	6825	17.11	17.93	17.00	16.52	208.485	23.19	2.96	412.098	26.15	30	Pass
*175 (U-NII-8 Band)	6825	9.27	10.10	9.42	8.94	35.27	15.47	2.96	69.663	18.43	30	Pass
207	6985	17.75	17.26	17.06	17.43	218.928	23.4	2.97	433.511	26.37	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

For channel straddling 6525MHz & 6875MHz of Power



Spectrum Plot Value of Power



Spectrum Plot Value of Power



Spectrum Plot Value of Power



Spectrum Plot Value of Power



Spectrum Plot Value of Power



Spectrum Plot Value of Power



4.5 Emission Bandwidth Measurement

4.5.1 Limits of Emission Bandwidth Measurement

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 MHz.

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

FOR 99% OCCUPIED BANDWIDTH

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to SAMPLE. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

FOR 26dB BANDWIDTH

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.5.5 Test Results (Mode 1)

CDD Mode:

99% Occupied Bandwidth:

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
33	6115	17.04	17.13	16.95	16.87	320
61	6255	17.04	17.16	17.04	16.92	320
93	6415	16.92	17.16	17.04	16.92	320
97	6435	16.92	17.16	17.04	16.8	320
105	6475	17.04	17.16	17.04	16.92	320
113	6515	16.92	17.16	17.04	16.92	320
117	6535	17.04	17.16	17.04	16.92	320
153	6715	16.92	17.16	17.04	16.92	320
181	6855	16.92	17.04	17.04	16.92	320
185 (U-NII-7 Band)	6875	8.4	8.52	8.52	8.4	320
185 (U-NII-8 Band)	6875	8.52	8.52	8.52	8.4	320
213	7015	16.92	17.04	16.92	16.8	320
233	7115	17.04	17.04	17.04	16.92	320

For channel straddling 6875MHz:

Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
185	6875	16.92	17.04	17.04	16.80

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
33	6115	19.14	19.14	19.2	19.14	320
61	6255	19.2	19.2	19.2	19.2	320
93	6415	19.2	19.32	19.2	19.2	320
97	6435	19.2	19.32	19.2	19.2	320
105	6475	19.2	19.2	19.2	19.2	320
113	6515	19.2	19.2	19.2	19.2	320
117	6535	19.2	19.2	19.2	19.2	320
153	6715	19.2	19.2	19.08	19.2	320
181	6855	19.2	19.08	19.2	19.2	320
185 (U-NII-7 Band)	6875	9.6	9.48	9.6	9.6	320
185 (U-NII-8 Band)	6875	9.6	9.6	9.6	9.6	320
213	7015	19.08	19.2	19.08	19.08	320
229	7095	19.14	19.14	19.14	19.14	320
233	7115	19.14	19.22	19.14	19.14	320

For channel straddling 6875MHz:
Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
185	6875	19.20	19.08	19.20	19.20

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
35	6125	37.92	37.92	37.92	36.48	320
59	6245	37.92	37.92	37.92	37.92	320
91	6405	37.92	37.92	37.92	37.92	320
99	6445	37.92	37.92	37.92	37.92	320
107	6485	37.92	37.92	37.92	37.92	320
115 (U-NII-6 Band)	6525	18.96	18.96	18.96	18.96	320
115 (U-NII-7 Band)	6525	18.96	18.96	18.96	18.96	320
123	6565	37.92	37.92	37.92	37.92	320
155	6725	37.92	37.92	37.92	37.92	320
179	6845	37.92	37.68	37.92	37.92	320
187 (U-NII-7 Band)	6885	8.96	8.96	8.96	8.96	320
187 (U-NII-8 Band)	6885	28.96	28.96	28.96	28.96	320
211	7005	37.68	37.92	37.68	37.68	320
227	7085	37.68	37.92	37.92	37.68	320

For channel straddling 6525MHz & 6875MHz:

Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
115	6525	37.92	37.92	37.92	37.92
187	6885	37.92	37.92	37.92	37.92

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
39	6145	76.8	76.8	76.8	76.8	320
55	6225	76.8	76.8	76.8	76.8	320
87	6385	76.8	77.28	77.28	77.28	320
103	6465	76.8	76.8	76.8	77.28	320
119 (U-NII-6 Band)	6545	18.4	18.4	18.4	18.88	320
119 (U-NII-7 Band)	6545	58.4	58.4	58.4	58.4	320
135	6625	77.28	77.28	77.28	77.28	320
151	6705	76.8	77.28	76.8	77.28	320
167	6785	76.8	76.8	77.28	76.8	320
183 (U-NII-7 Band)	6865	48.88	48.88	48.4	48.4	320
183 (U-NII-8 Band)	6865	28.4	28.4	28.4	28.4	320
199	6945	76.8	77.28	77.28	77.28	320
215	7025	77.28	77.28	77.28	77.28	320

For channel straddling 6525MHz & 6875MHz:

Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
119	6545	76.80	76.80	76.87	77.28
183	6865	77.28	77.28	76.80	76.80

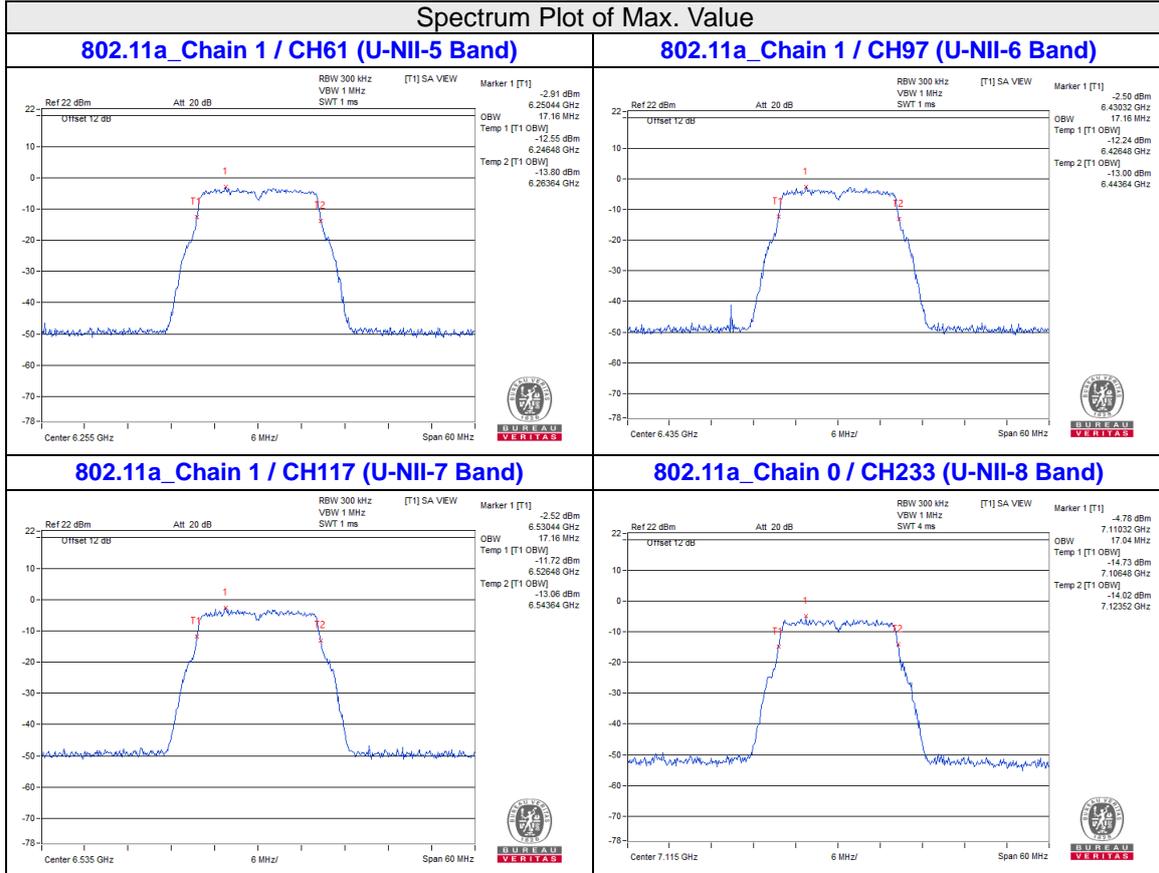
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
47	6185	155.52	155.52	155.52	155.52	320
79	6345	155.52	156.48	156.48	156.48	320
111 (U-NII-6 Band)	6505	97.76	97.76	97.76	97.76	320
111 (U-NII-7 Band)	6505	57.76	57.76	57.76	57.76	320
143	6665	155.52	155.52	155.52	154.56	320
175 (U-NII-7 Band)	6825	128.72	127.76	128.72	128.72	320
175 (U-NII-8 Band)	6825	26.8	26.8	27.76	27.76	320
207	6985	155.52	156.48	155.52	155.52	320

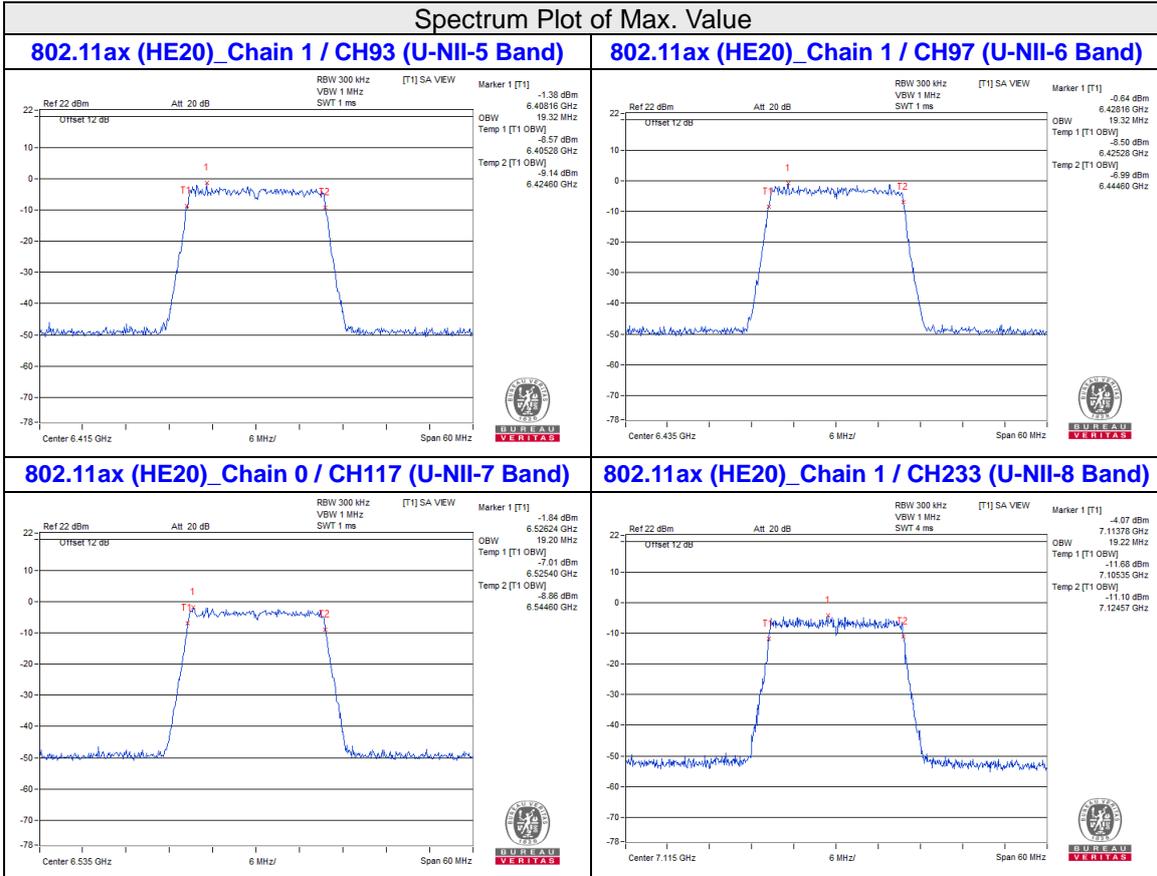
For channel straddling 6525MHz & 6875MHz:
Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
111	6505	155.52	155.52	155.52	155.52
175	6825	155.52	154.56	154.56	154.56

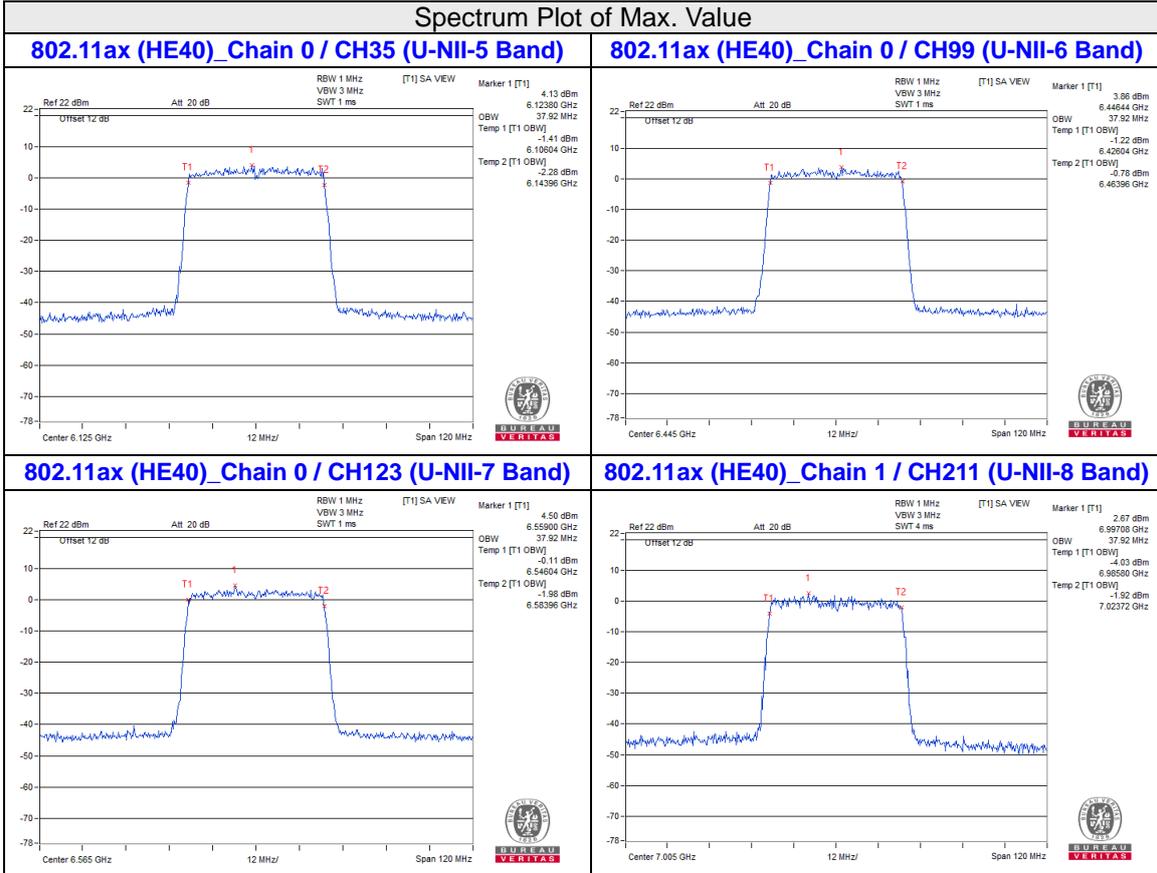
Spectrum Plot of Max. Value



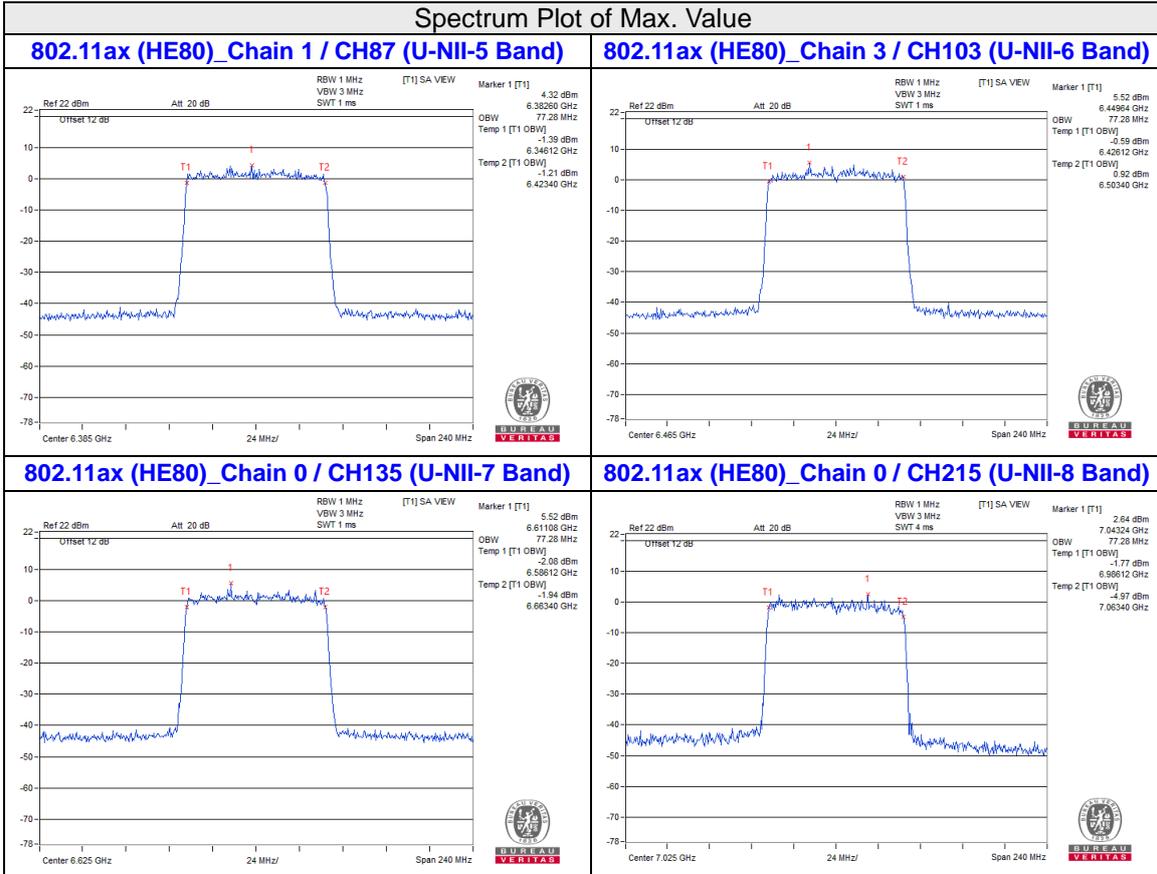
Spectrum Plot of Max. Value



Spectrum Plot of Max. Value

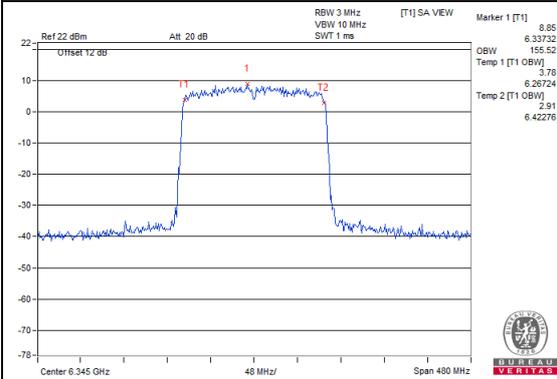


Spectrum Plot of Max. Value

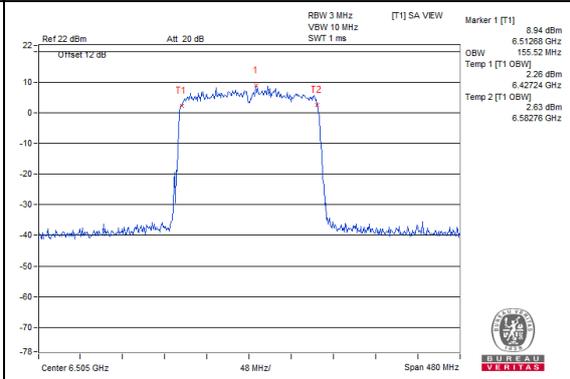


Spectrum Plot of Max. Value

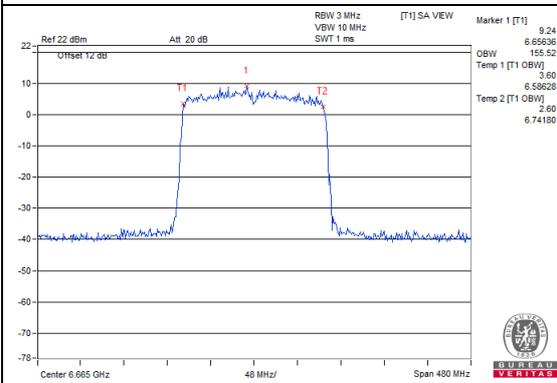
802.11ax (HE160)_Chain 0 / CH79 (U-NII-5 Band)



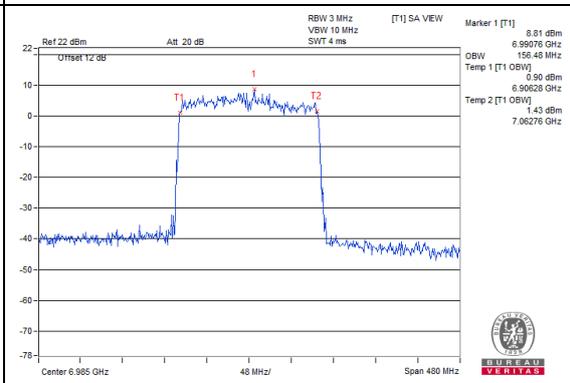
802.11ax (HE160)_Chain 0 / CH111 (U-NII-6 Band)



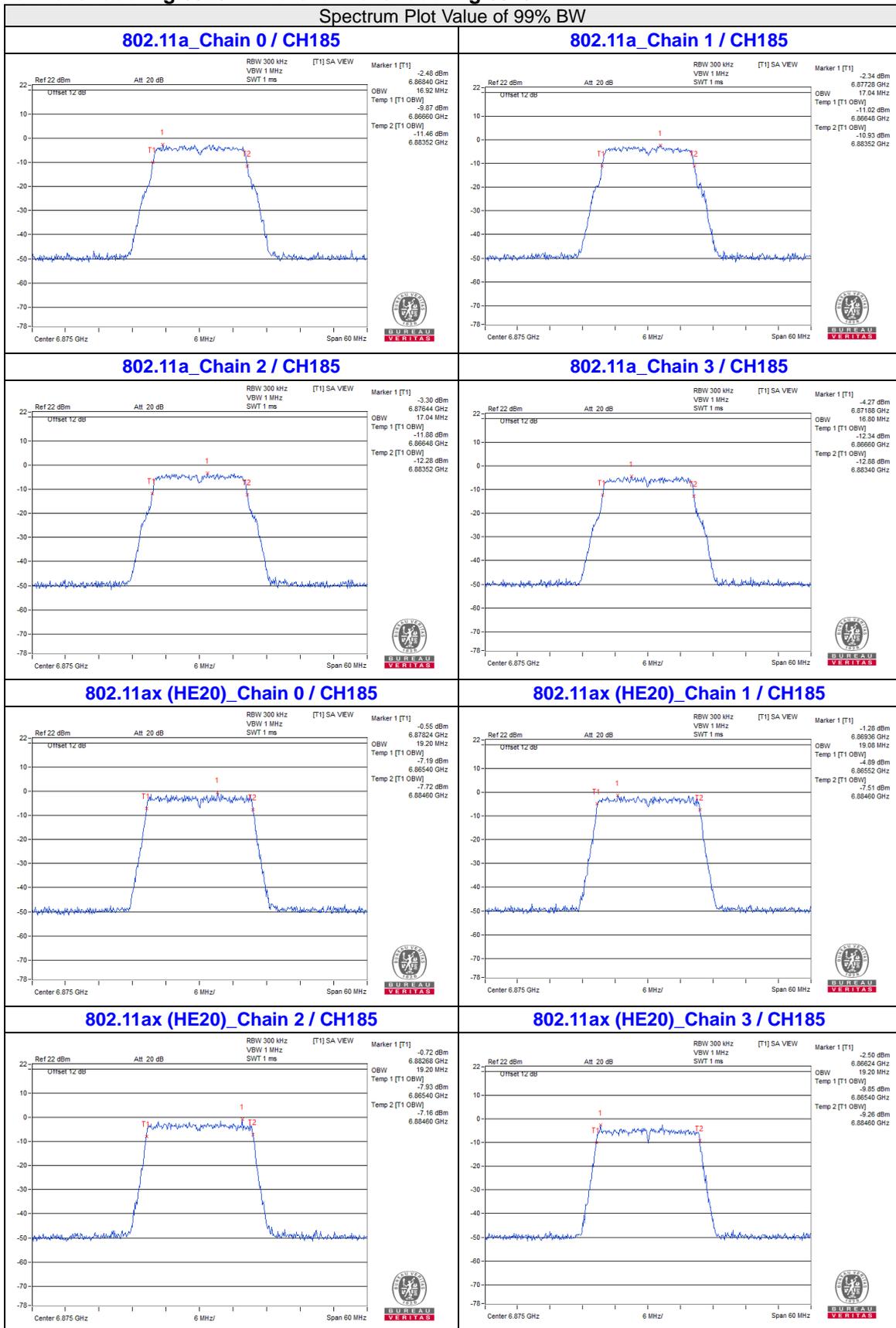
802.11ax (HE160)_Chain 0 / CH143 (U-NII-7 Band)



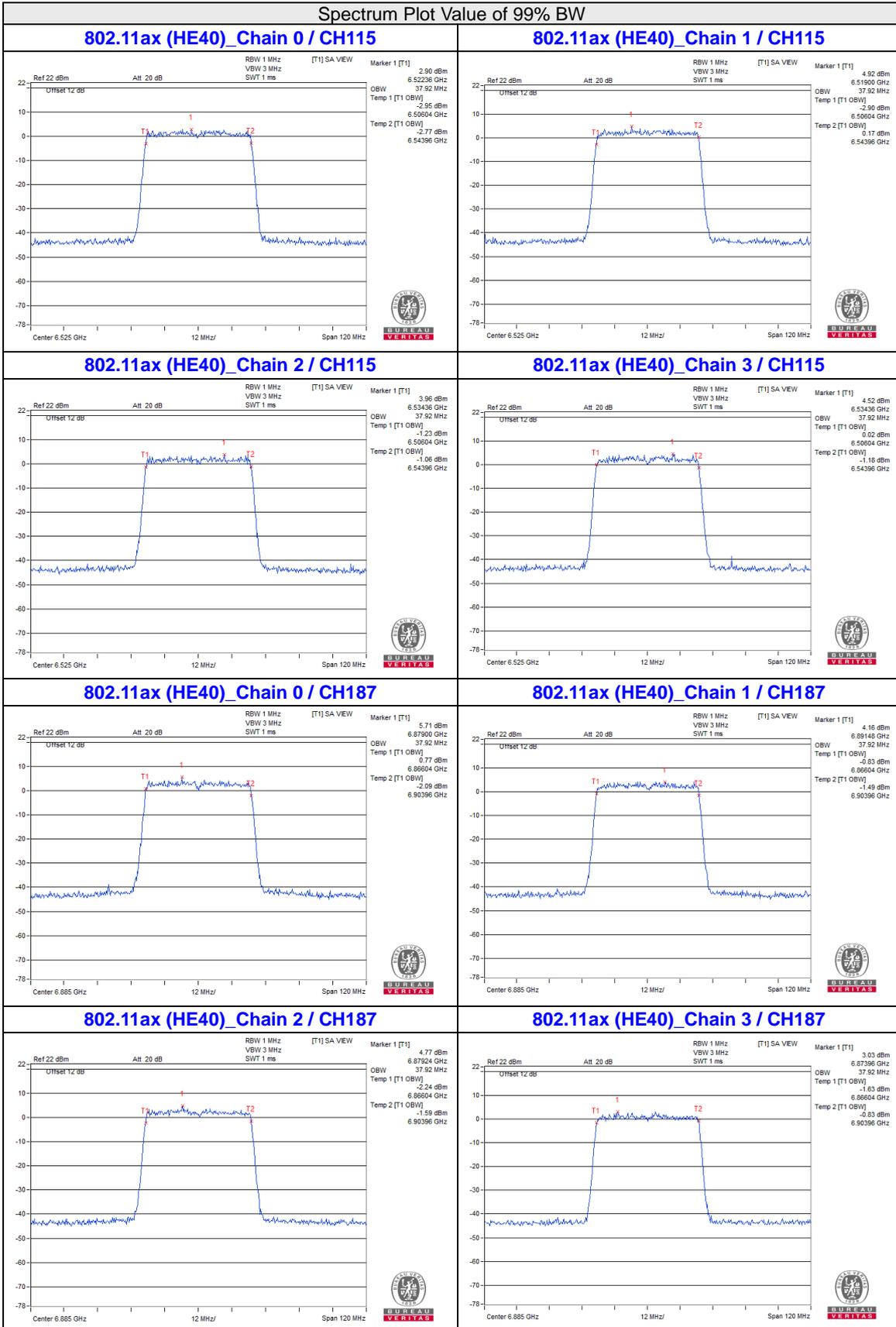
802.11ax (HE160)_Chain 1 / CH207 (U-NII-8 Band)



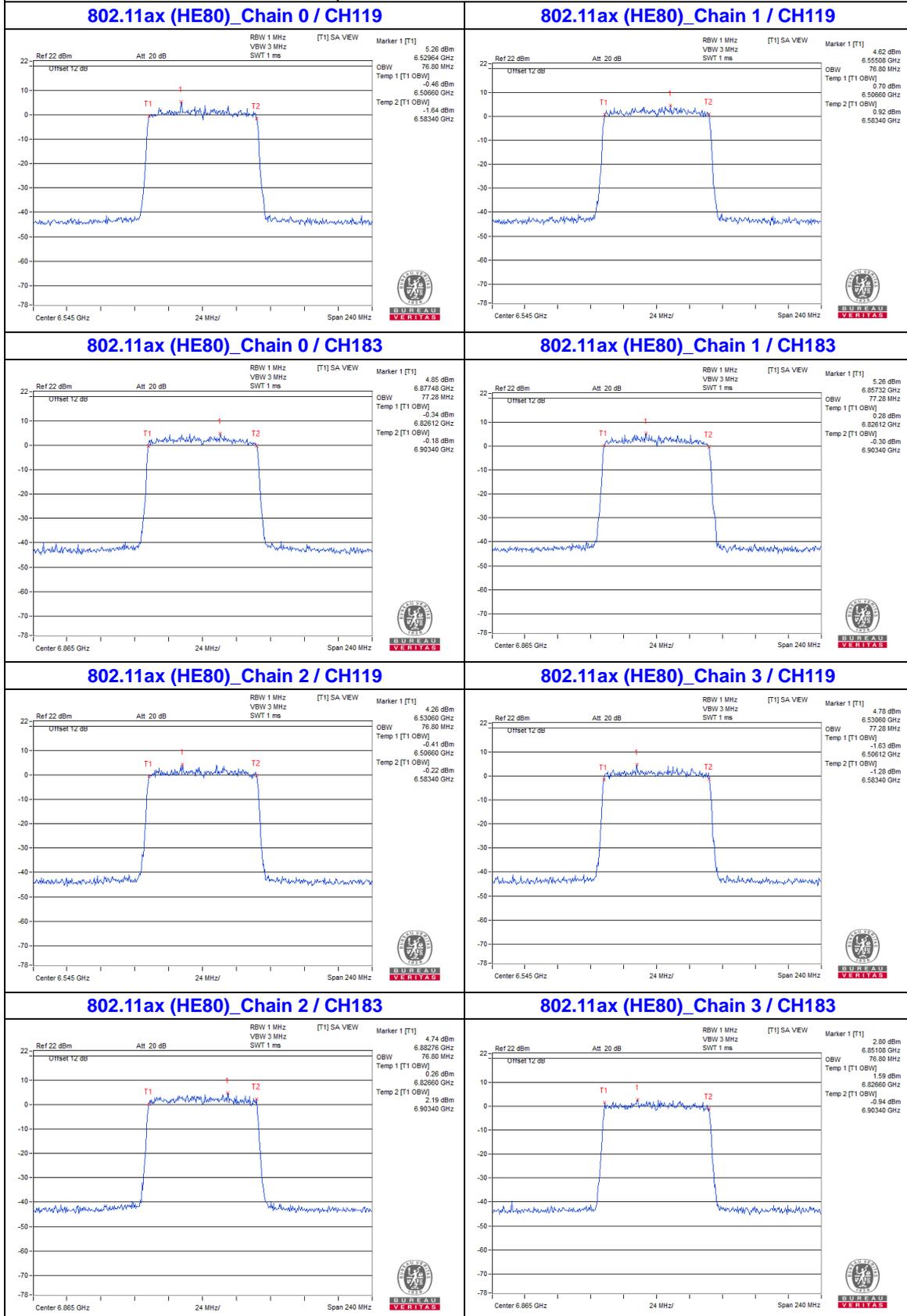
For channel straddling 6525MHz & channel straddling 6875MHz:

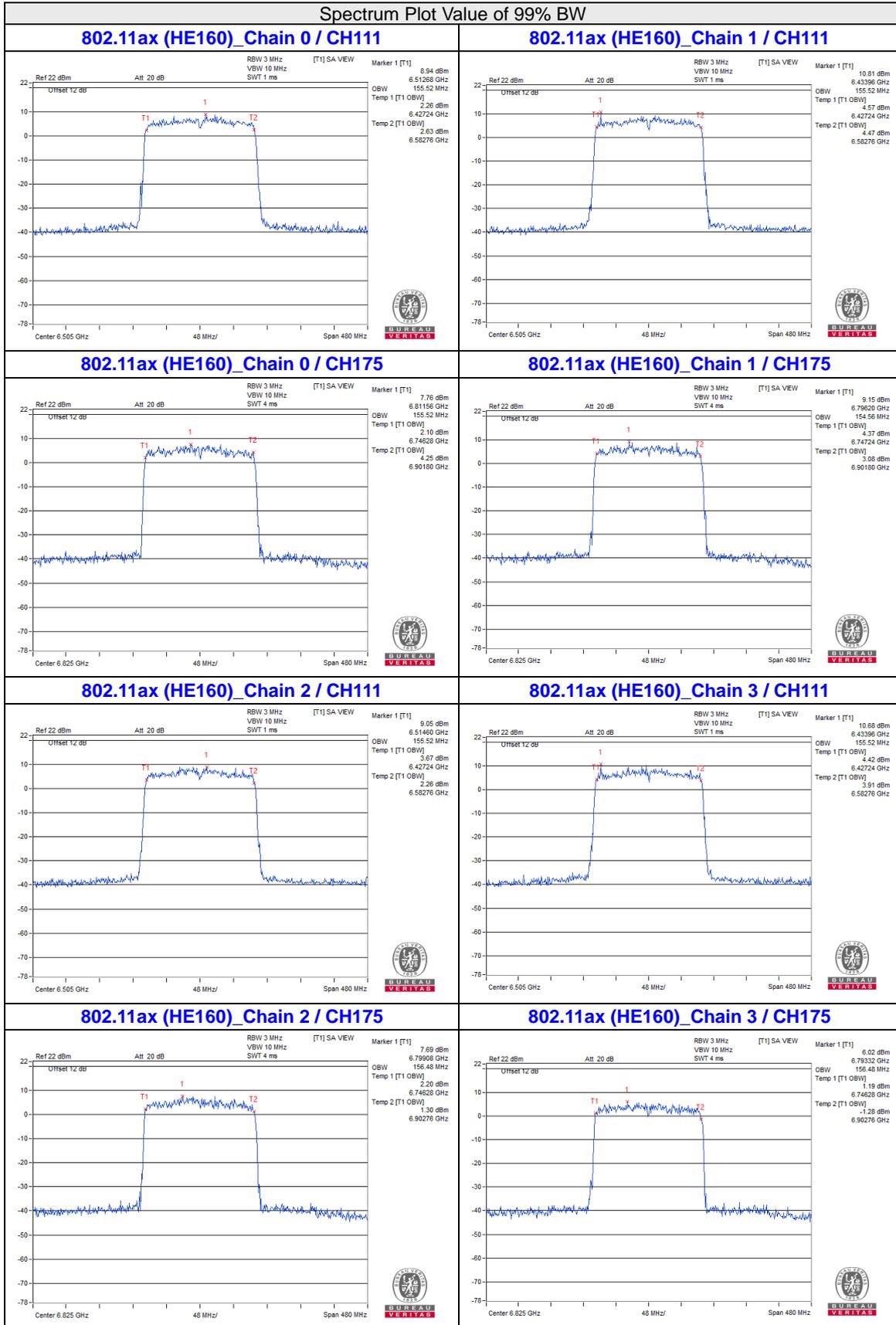


Spectrum Plot Value of 99% BW



Spectrum Plot Value of 99% BW





Note:

- For U-NII-6 channel straddling 6525MHz bandwidth = 6525MHz - Temp 1
- For U-NII-7 channel straddling 6525MHz bandwidth = Temp 2 - 6525MHz
- For U-NII-7 channel straddling 6875MHz bandwidth = 6875MHz - Temp 1
- For U-NII-8 channel straddling 6875MHz bandwidth = Temp 2 - 6875MHz

26dB Bandwidth:
802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
33	6115	21.8	21.76	21.76	21.71	320
61	6255	21.67	21.93	21.9	21.74	320
93	6415	21.68	21.91	21.93	21.73	320
97	6435	21.66	21.83	21.92	21.75	320
105	6475	21.7	21.92	21.82	21.68	320
113	6515	21.67	21.89	21.98	21.71	320
117	6535	21.67	21.93	21.86	21.81	320
153	6715	21.71	21.86	21.87	21.74	320
181	6855	21.71	21.85	21.9	21.87	320
185 (U-NII-7 Band)	6875	10.81	10.83	10.89	10.73	320
185 (U-NII-8 Band)	6875	10.93	11.05	10.99	10.96	320
213	7015	21.61	21.92	21.9	21.66	320
233	7115	21.68	22.02	21.8	21.49	320

For channel straddling 6875MHz:
Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
185	6875	16.92	17.04	21.88	21.69

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
33	6115	21.89	21.79	21.69	21.92	320
61	6255	22.03	21.85	21.91	21.95	320
93	6415	21.91	21.84	21.89	21.93	320
97	6435	22.01	21.82	21.85	22.05	320
105	6475	22.02	21.85	21.77	22.04	320
113	6515	21.97	21.79	21.78	22.04	320
117	6535	22.06	22.02	21.79	21.95	320
153	6715	22.01	21.91	21.76	21.96	320
181	6855	21.95	21.87	21.73	21.94	320
185 (U-NII-7 Band)	6875	11.01	10.93	10.91	10.97	320
185 (U-NII-8 Band)	6875	11.06	10.83	10.85	11.11	320
213	7015	21.69	21.94	21.7	21.81	320
229	7095	21.93	21.77	21.79	21.72	320
233	7115	21.88	21.66	21.69	21.72	320

For channel straddling 6875MHz:
Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
185	6875	22.07	21.76	21.76	22.08

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
35	6125	41.46	41.38	41.5	40.95	320
59	6245	41.44	41.51	41.42	41.41	320
91	6405	41.42	41.53	41.35	41.47	320
99	6445	41.41	41.43	41.55	41.44	320
107	6485	41.52	41.58	41.45	41.48	320
115 (U-NII-6 Band)	6525	20.74	20.66	20.73	20.79	320
115 (U-NII-7 Band)	6525	20.67	20.81	20.75	20.76	320
123	6565	41.45	41.46	41.44	41.58	320
155	6725	41.47	41.36	41.25	41.57	320
179	6845	41.44	41.39	41.44	41.52	320
187 (U-NII-7 Band)	6885	10.76	10.63	10.82	10.86	320
187 (U-NII-8 Band)	6885	30.69	30.67	30.75	30.72	320
211	7005	41.64	41.45	41.24	41.31	320
227	7085	41.44	41.49	41.42	41.28	320

For channel straddling 6525MHz & 6875MHz:

Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
115	6525	41.41	41.47	41.48	41.55
187	6885	41.45	41.30	41.57	41.58

802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
39	6145	82.44	82.33	82.35	82.32	320
55	6225	82.2	82.43	82.43	82.52	320
87	6385	82.33	82.33	82.53	82.52	320
103	6465	82.41	82.56	82.57	82.51	320
119 (U-NII-6 Band)	6545	21.09	21.19	21.42	21.16	320
119 (U-NII-7 Band)	6545	61.08	61.33	61.26	61.4	320
135	6625	82.3	82.53	82.57	82.45	320
151	6705	82.6	82.29	82.43	82.64	320
167	6785	82.37	82.59	82.45	82.55	320
183 (U-NII-7 Band)	6865	51.08	51.08	51.36	51.03	320
183 (U-NII-8 Band)	6865	31.24	31.21	31.25	31.36	320
199	6945	82.63	82.66	82.2	82.28	320
215	7025	82.48	82.25	82.47	82.27	320

For channel straddling 6525MHz & 6875MHz:
Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
119	6545	82.17	82.52	82.68	82.56
183	6865	82.32	82.29	82.61	82.39

802.11ax (HE160)

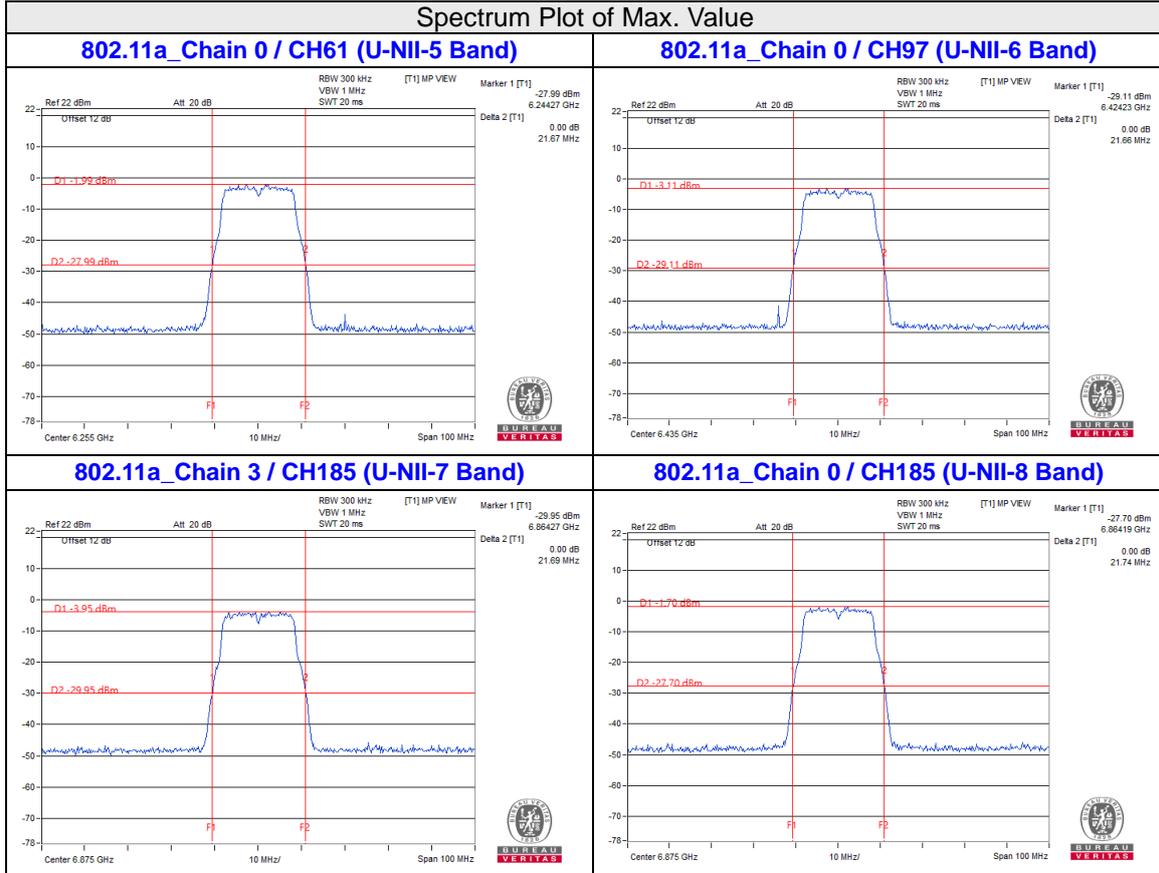
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
47	6185	169.01	167.39	166.77	167.72	320
79	6345	167.6	167.76	167.81	167.99	320
111 (U-NII-6 Band)	6505	103.47	103.59	103.56	103.71	320
111 (U-NII-7 Band)	6505	63.86	64.13	63.95	64.09	320
143	6665	167.64	167.79	166.71	167.79	320
175 (U-NII-7 Band)	6825	133.84	133.65	133.95	134	320
175 (U-NII-8 Band)	6825	34.16	33.28	33.54	34.64	320
207	6985	167.69	167.58	166.74	166.48	320

For channel straddling 6525MHz & 6875MHz:

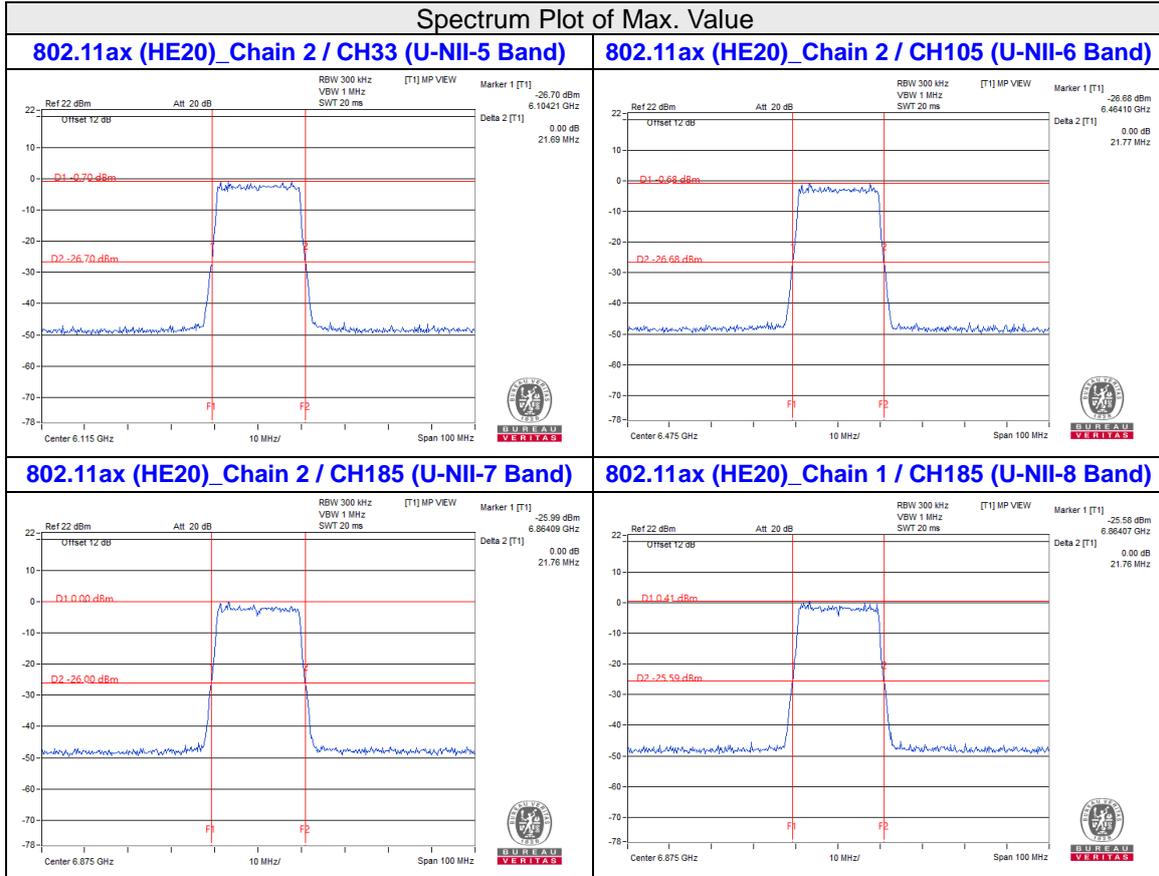
Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
111	6505	167.33	167.72	167.51	167.80
175	6825	168.00	166.93	167.49	168.64

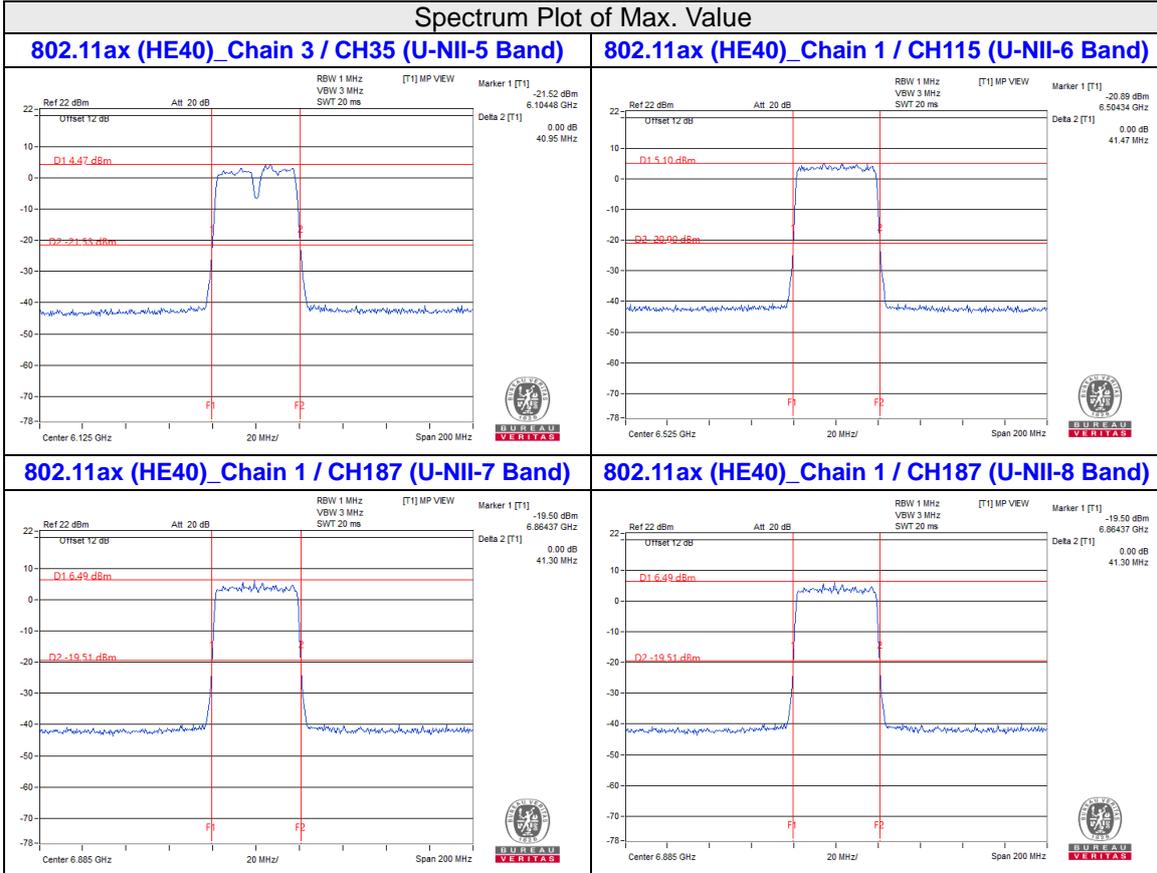
Spectrum Plot of Max. Value



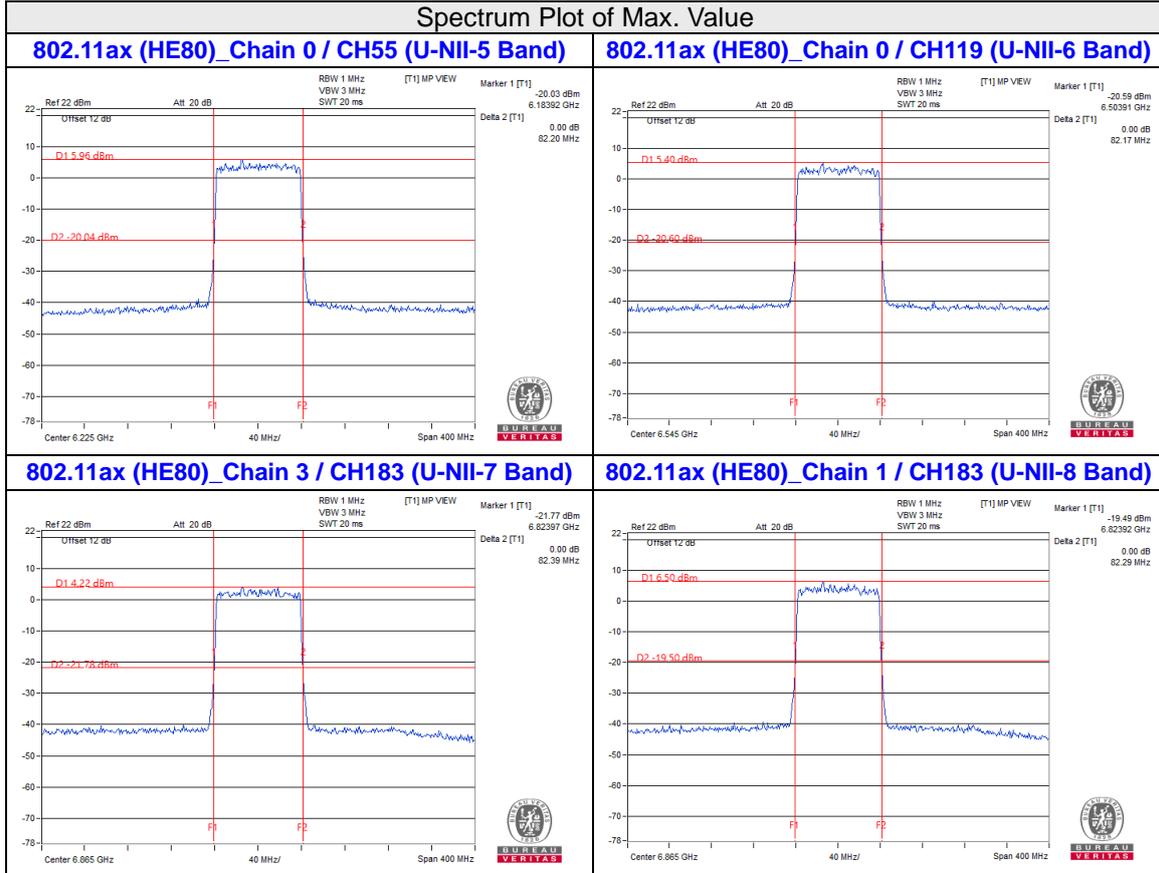
Spectrum Plot of Max. Value



Spectrum Plot of Max. Value

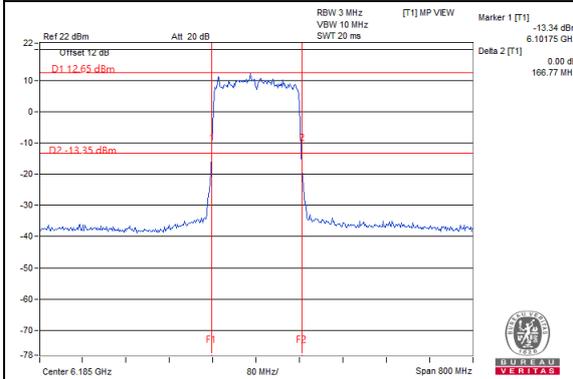


Spectrum Plot of Max. Value

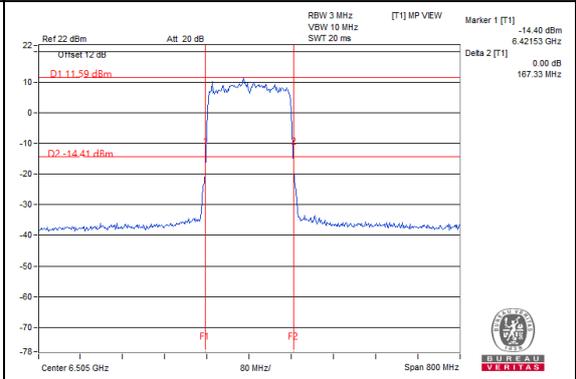


Spectrum Plot of Max. Value

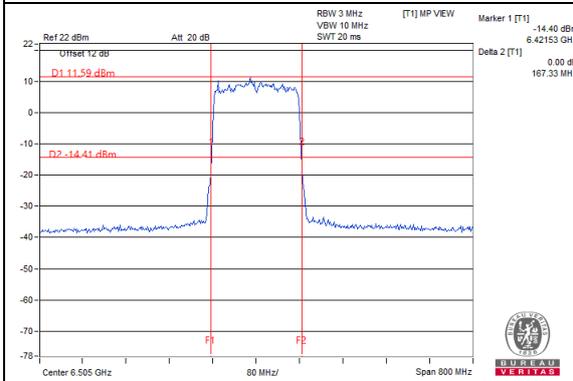
802.11ax (HE160)_Chain 2 / CH47 (U-NII-5 Band)



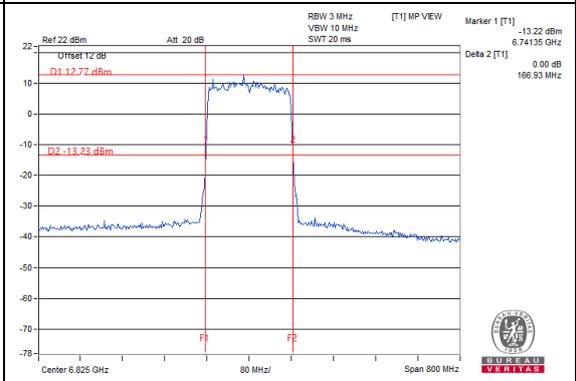
802.11ax (HE160)_Chain 0 / CH111 (U-NII-6 Band)



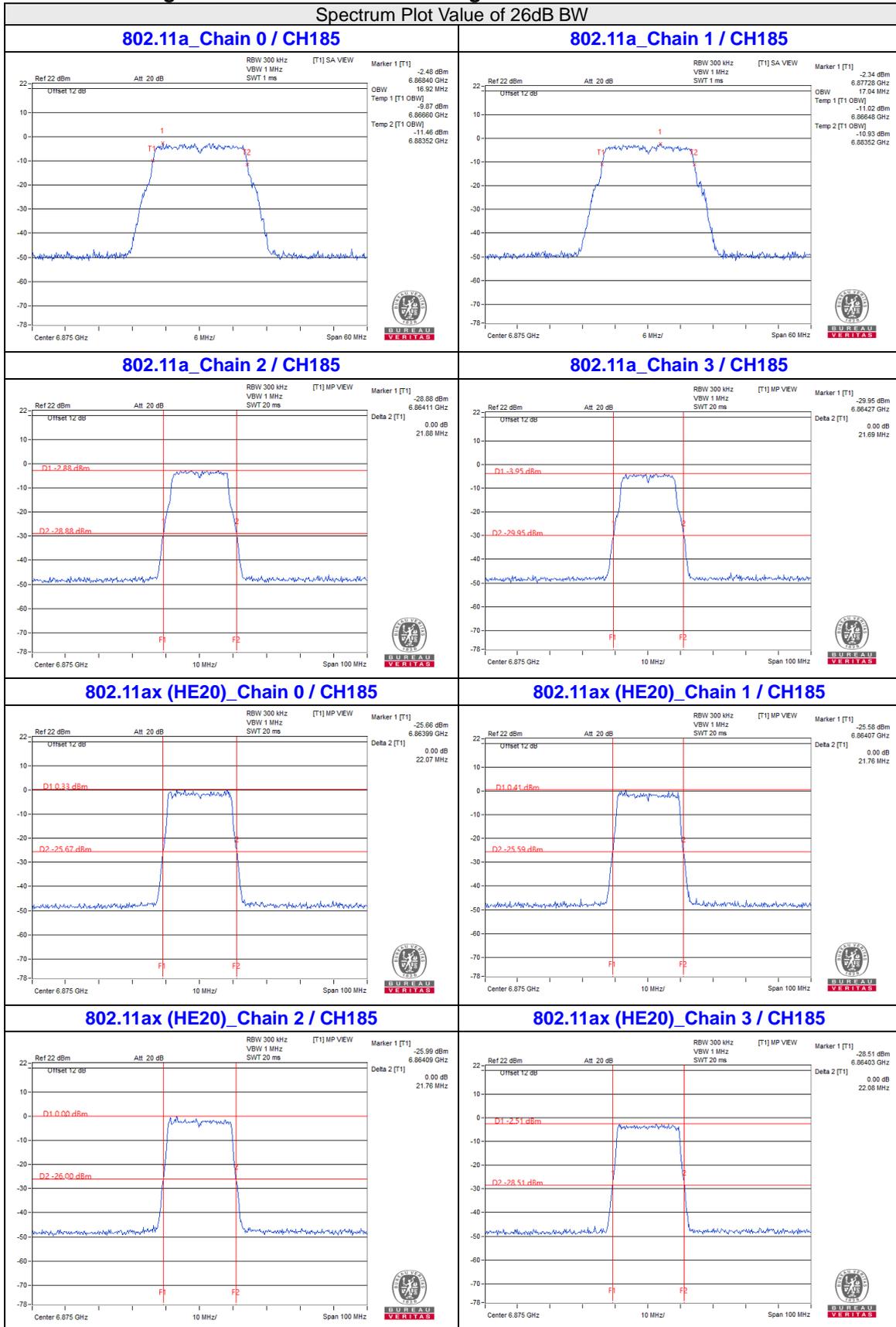
802.11ax (HE160)_Chain 0 / CH111 (U-NII-7 Band)

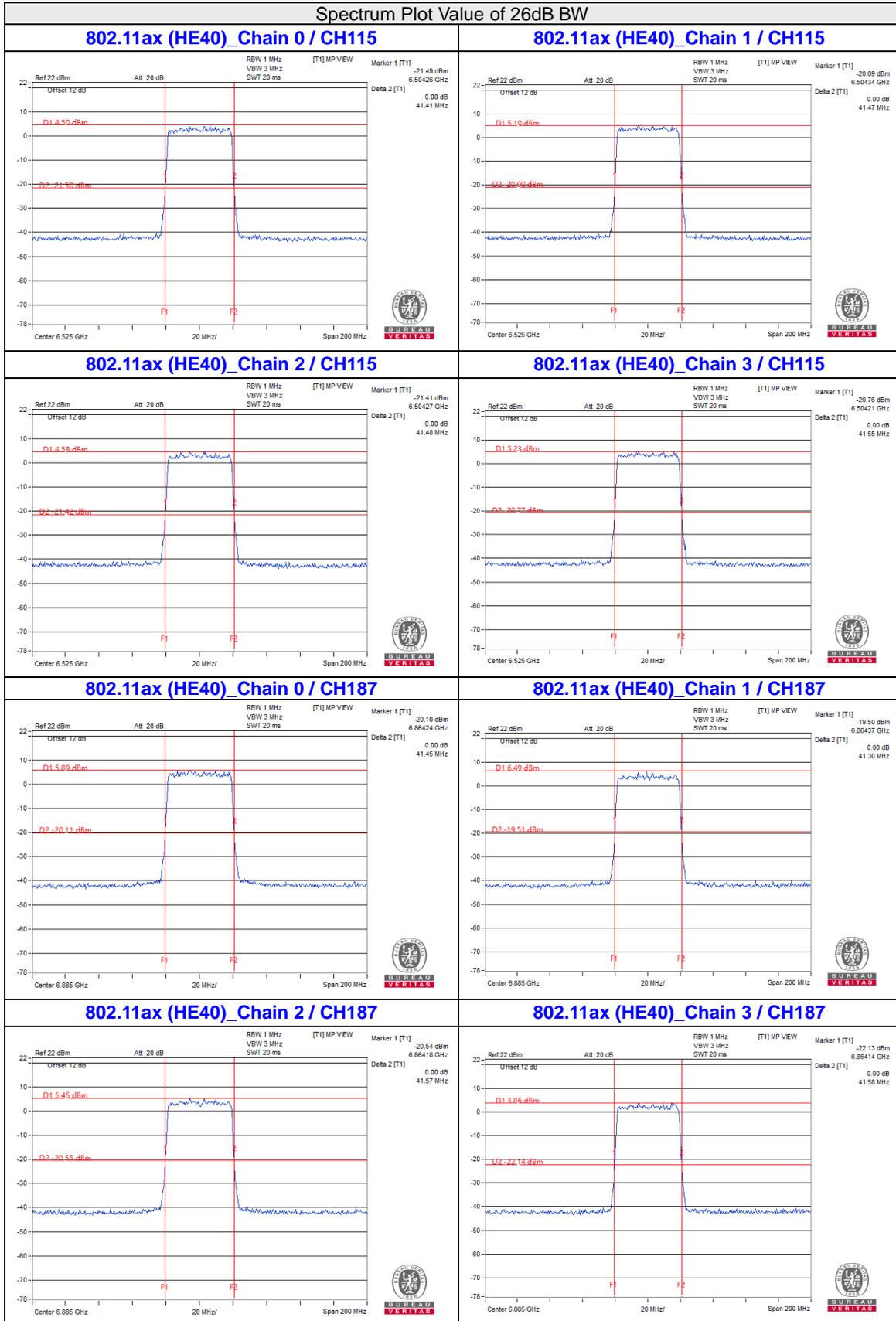


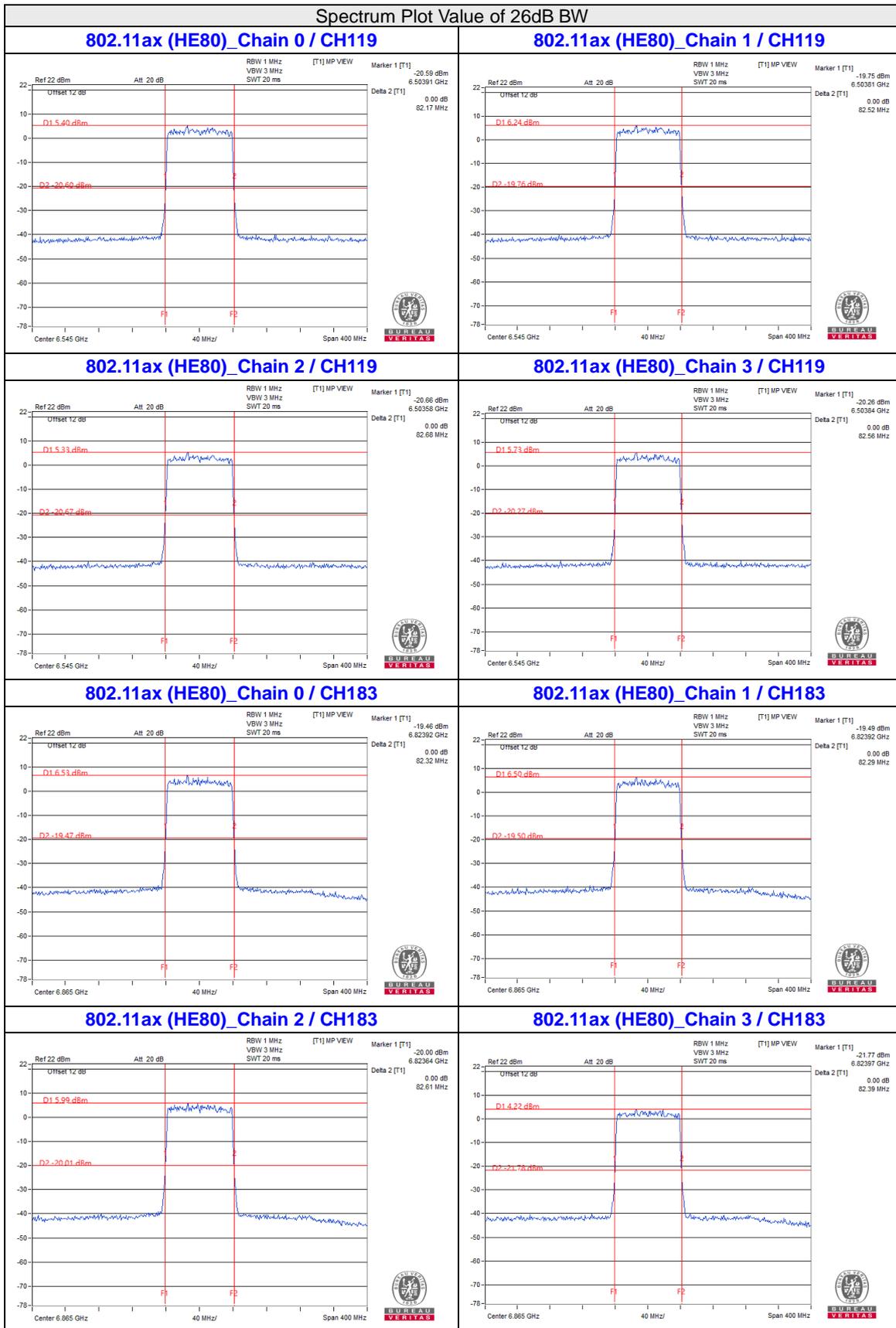
802.11ax (HE160)_Chain 1 / CH175 (U-NII-8 Band)

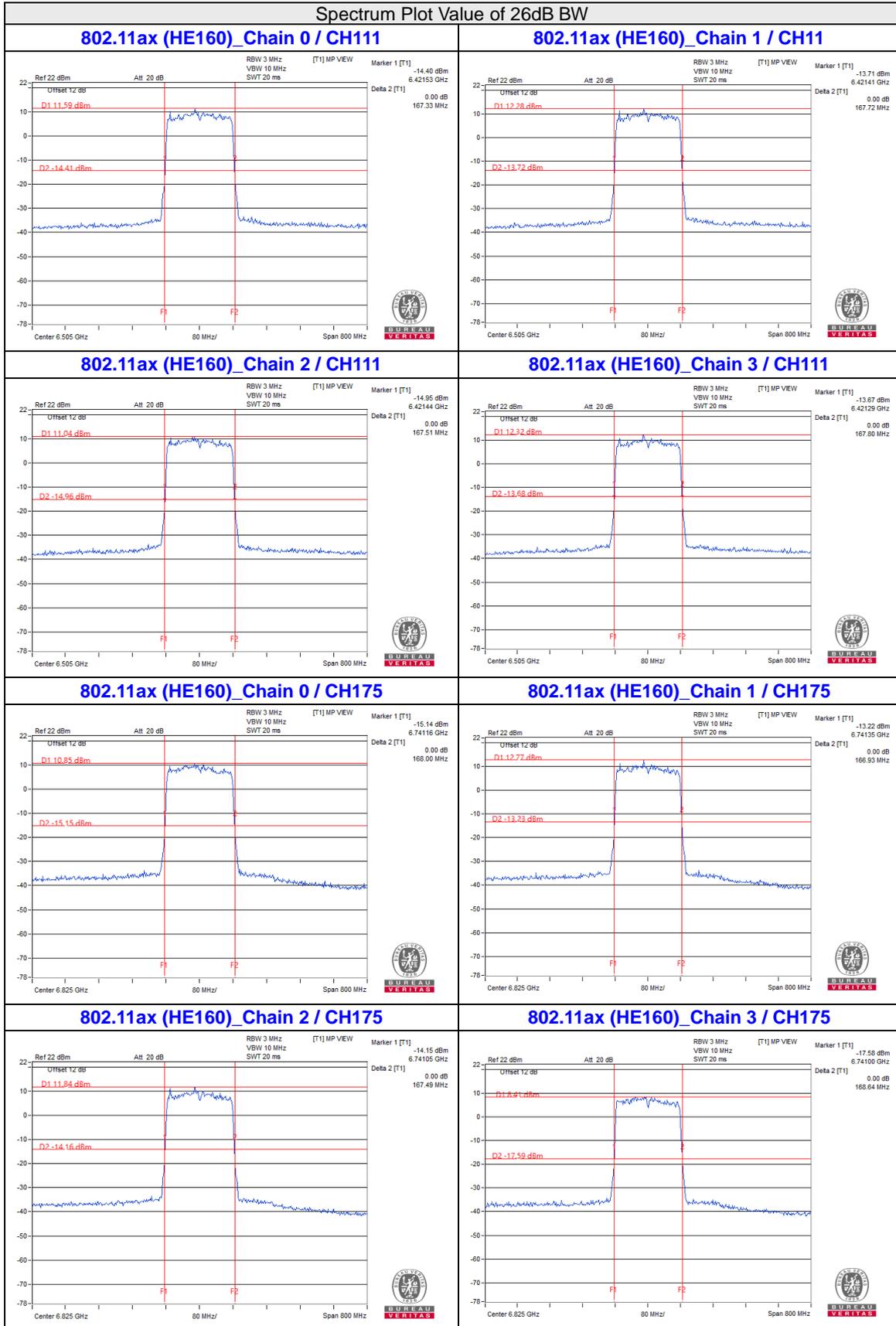


For channel straddling 6525MHz & channel straddling 6875MHz:









Note:

- For U-NII-6 channel straddling 6525MHz bandwidth = 6525MHz - Marker 1
- For U-NII-7 channel straddling 6525MHz bandwidth = Delta 2 - (6525MHz - Marker 1)
- For U-NII-7 channel straddling 6875MHz bandwidth = 6875MHz - Marker 1
- For U-NII-8 channel straddling 6875MHz bandwidth = Delta 2 - (6875MHz - Marker 1)

Beamforming Mode:

99% Occupied Bandwidth:

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
33	6115	19.14	19.3	19.14	19.22	320
61	6255	19.2	19.2	19.2	19.2	320
93	6415	19.2	19.2	19.08	19.2	320
97	6435	19.2	19.2	19.2	19.2	320
105	6475	19.2	19.2	19.08	19.2	320
113	6515	19.2	19.2	19.2	19.2	320
117	6535	19.08	19.2	19.2	19.2	320
153	6715	19.2	19.2	19.2	19.2	320
181	6855	19.08	19.2	19.2	19.2	320
185 (U-NII-7 Band)	6875	9.6	9.6	9.57	9.57	320
185 (U-NII-8 Band)	6875	9.6	9.6	9.57	9.57	320
213	7015	19.08	19.2	19.08	19.08	320
229	7095	19.08	19.2	19.08	19.2	320
233	7115	19.14	19.22	19.14	19.14	320

For channel straddling 6875MHz:

Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
185	6875	19.20	19.20	19.14	19.14

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
35	6125	37.92	37.68	37.92	37.92	320
59	6245	37.92	37.92	37.92	37.92	320
91	6405	37.92	37.92	37.92	37.92	320
99	6445	37.92	37.92	37.92	37.92	320
107	6485	37.92	37.92	37.92	37.92	320
115 (U-NII-6 Band)	6525	18.96	18.96	18.96	18.96	320
115 (U-NII-7 Band)	6525	18.72	18.96	18.96	18.96	320
123	6565	37.92	37.92	37.92	37.92	320
155	6725	37.92	37.68	37.92	37.92	320
179	6845	37.68	37.92	37.92	37.92	320
187 (U-NII-7 Band)	6885	8.96	8.96	8.96	8.96	320
187 (U-NII-8 Band)	6885	28.72	28.72	28.96	28.96	320
211	7005	37.68	37.92	37.92	37.68	320
227	7085	37.68	37.68	37.92	37.68	320

For channel straddling 6525MHz & 6875MHz:

Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
115	6525	37.68	37.92	37.92	37.92
187	6885	37.68	37.68	37.92	37.92

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
39	6145	77.76	77.28	77.92	76.8	320
55	6225	76.8	76.8	77.28	76.8	320
87	6385	76.8	76.8	76.8	76.8	320
103	6465	77.28	77.28	76.8	76.8	320
119 (U-NII-6 Band)	6545	18.88	18.4	18.4	18.88	320
119 (U-NII-7 Band)	6545	58.4	58.4	58.4	58.4	320
135	6625	77.28	76.8	77.28	77.28	320
151	6705	76.8	77.28	76.8	76.8	320
167	6785	77.28	76.8	76.8	77.28	320
183 (U-NII-7 Band)	6865	48.88	48.88	48.88	48.88	320
183 (U-NII-8 Band)	6865	28.4	28.4	28.4	28.4	320
199	6945	77.28	77.28	77.28	77.28	320
215	7025	77.28	77.28	77.28	77.28	320

For channel straddling 6525MHz & 6875MHz:

Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
119	6545	77.28	76.80	76.80	77.28
183	6865	77.28	77.28	77.28	77.28

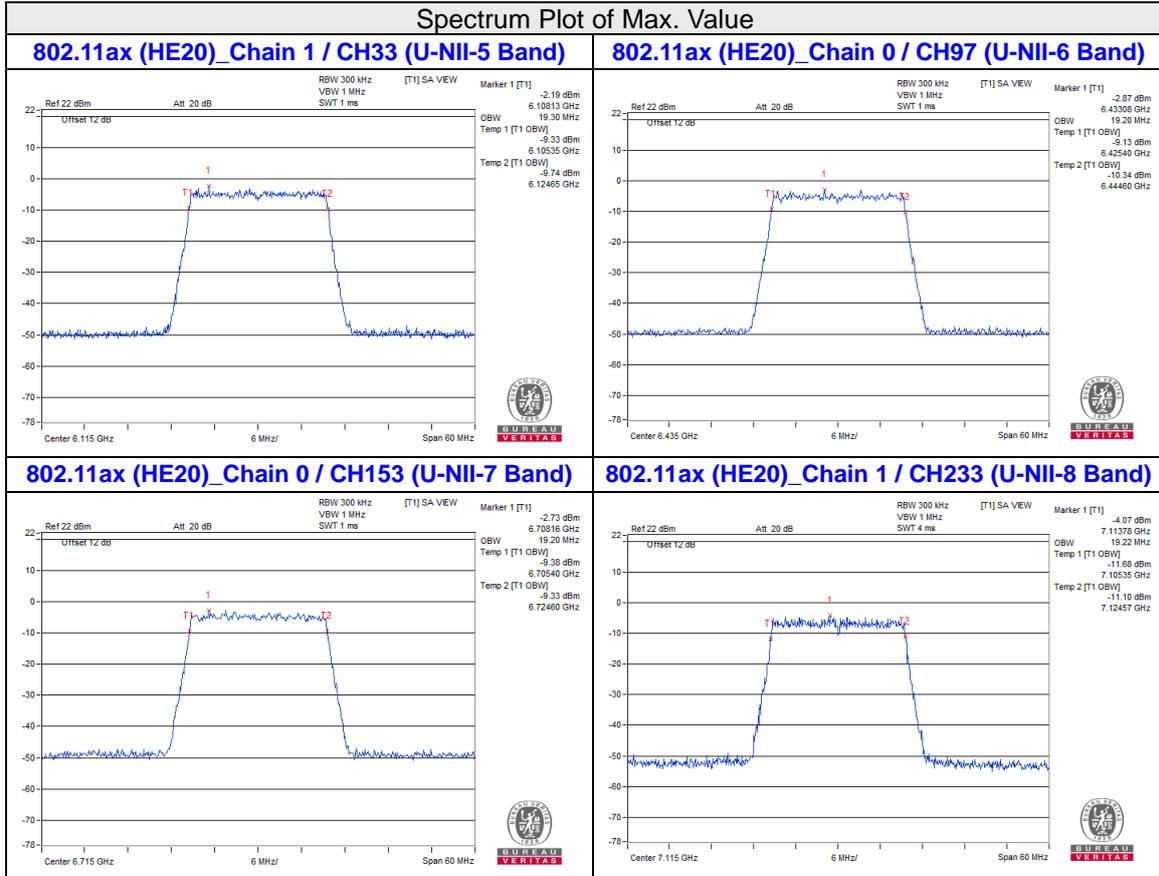
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)				Limit (MHz)
		Chain 0	Chain 1	Chain 2	Chain 3	
47	6185	155.52	155.52	156.48	155.52	320
79	6345	155.52	156.48	155.52	155.52	320
111 (U-NII-6 Band)	6505	97.76	97.76	98.72	97.76	320
111 (U-NII-7 Band)	6505	57.76	57.76	57.76	57.76	320
143	6665	156.48	156.48	156.48	155.52	320
175 (U-NII-7 Band)	6825	127.76	128.72	128.72	128.72	320
175 (U-NII-8 Band)	6825	26.8	27.76	26.8	26.8	320
207	6985	154.56	155.52	155.52	155.52	320

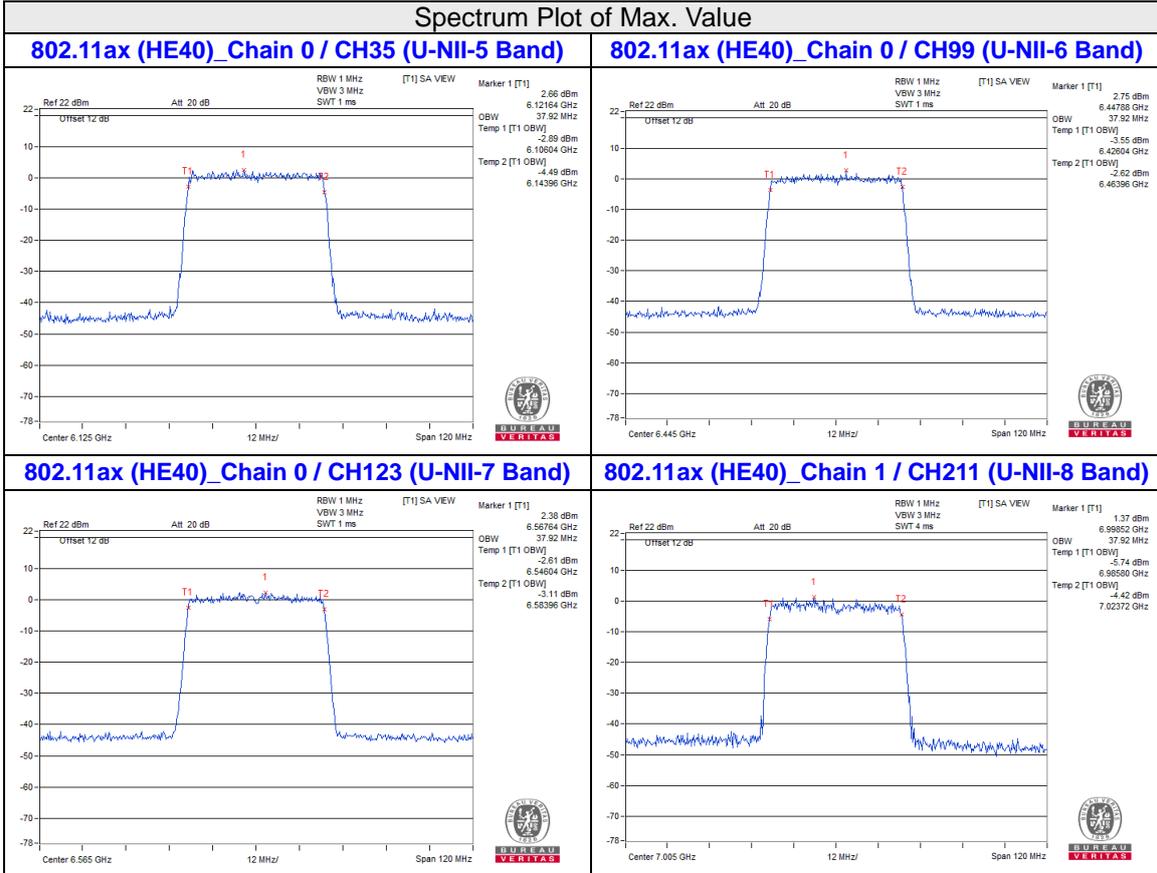
For channel straddling 6525MHz & 6875MHz:
Total Values

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
111	6505	155.52	155.52	156.48	155.52
175	6825	154.56	155.52	156.48	155.52

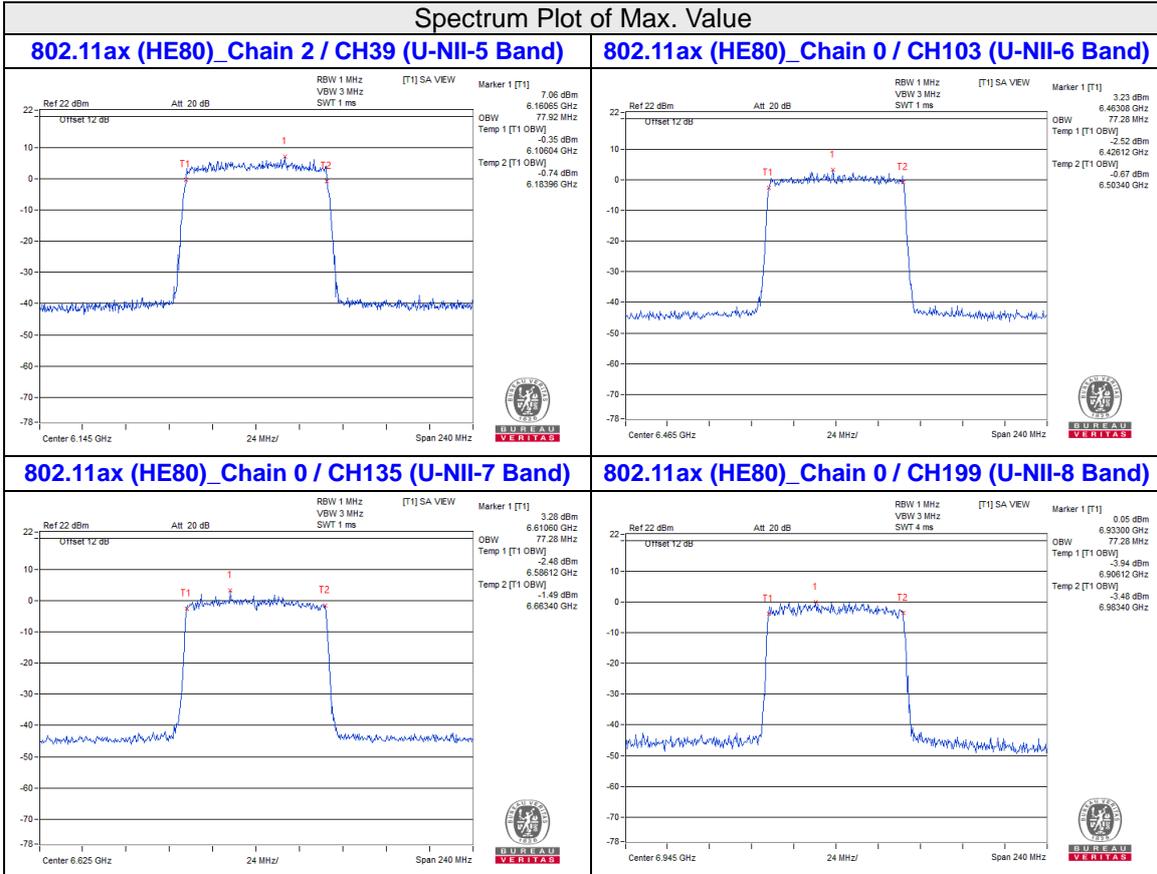
Spectrum Plot of Max. Value



Spectrum Plot of Max. Value

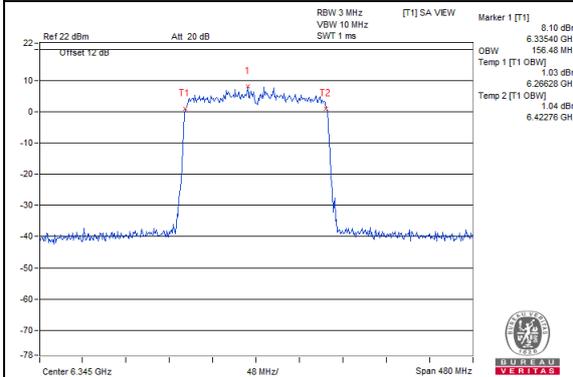


Spectrum Plot of Max. Value

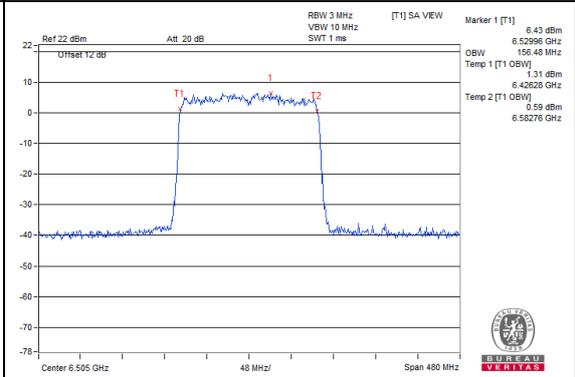


Spectrum Plot of Max. Value

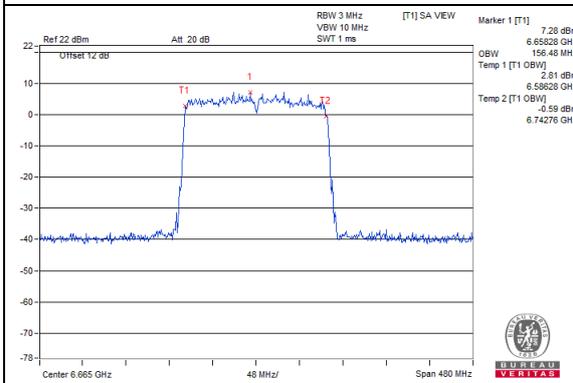
802.11ax (HE160)_Chain 1 / CH79 (U-NII-5 Band)



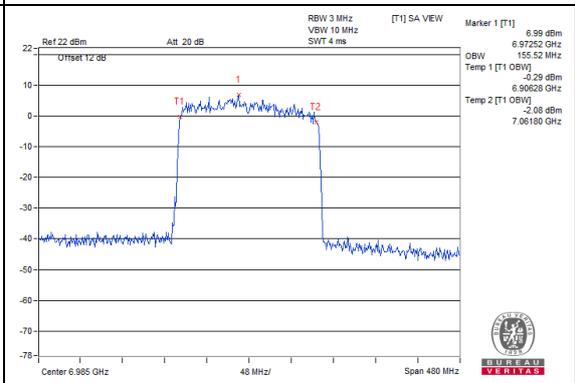
802.11ax (HE160)_Chain 2 / CH111 (U-NII-6 Band)



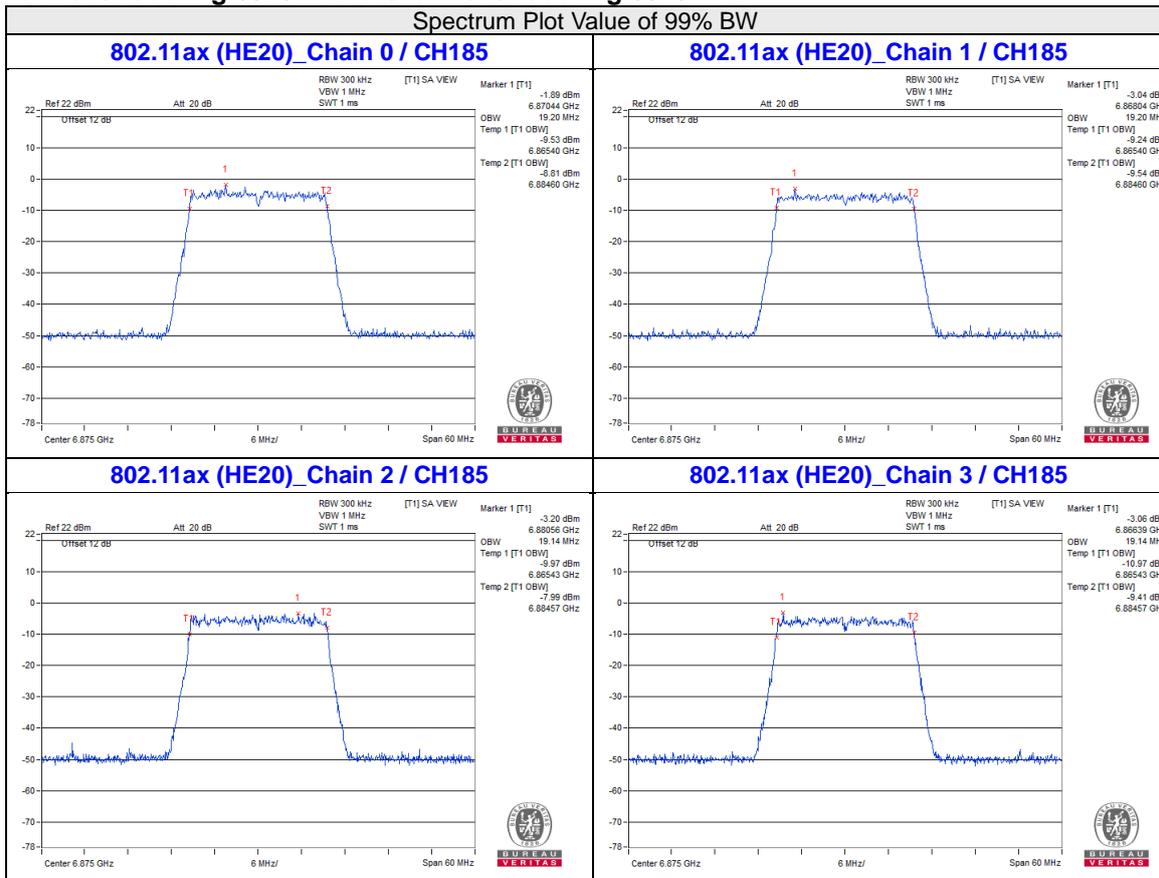
802.11ax (HE160)_Chain 0 / CH143 (U-NII-7 Band)



802.11ax (HE160)_Chain 1 / CH207 (U-NII-8 Band)

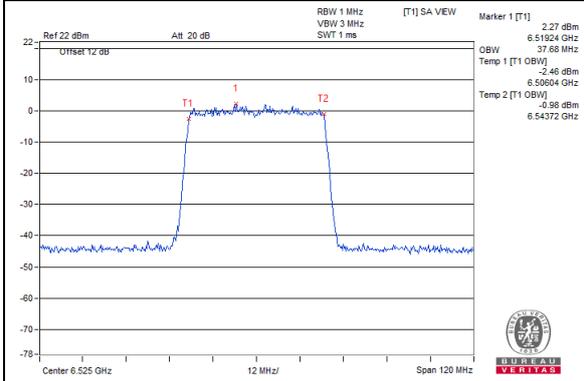


For channel straddling 6525MHz & channel straddling 6875MHz:

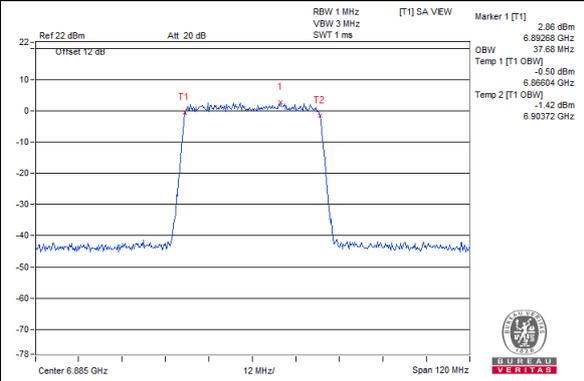


Spectrum Plot Value of OCP99% BW

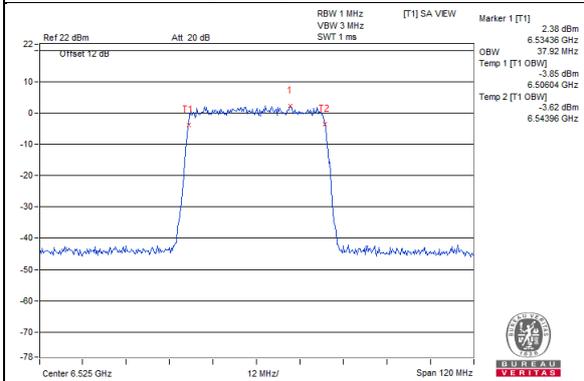
802.11ax (HE40)_Chain 0 / CH115



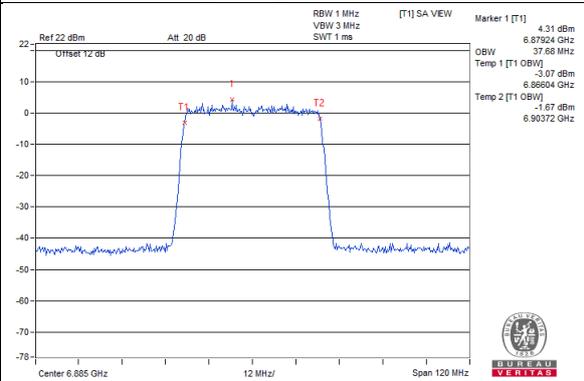
802.11ax (HE40)_Chain 0 / CH187



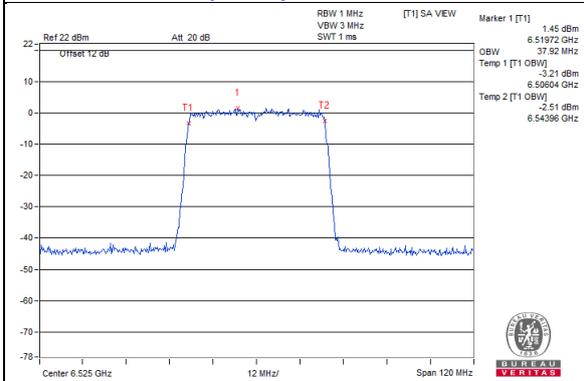
802.11ax (HE40)_Chain 1 / CH115



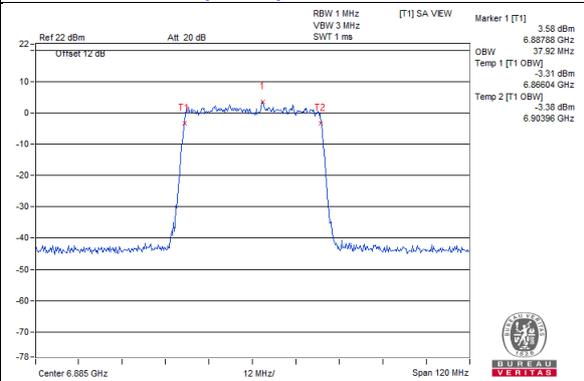
802.11ax (HE40)_Chain 1 / CH187



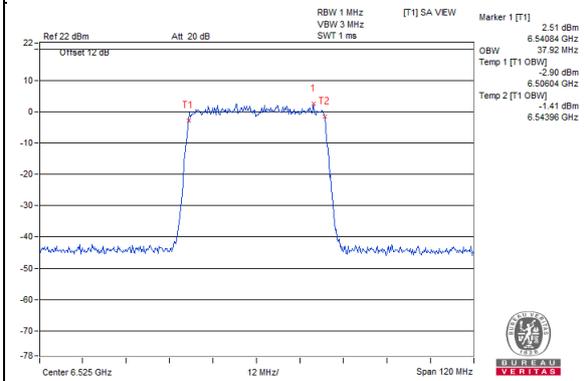
802.11ax (HE40)_Chain 2 / CH115



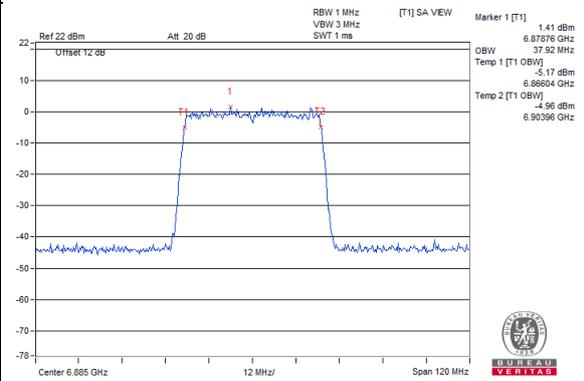
802.11ax (HE40)_Chain 2 / CH187



802.11ax (HE40)_Chain 3 / CH115

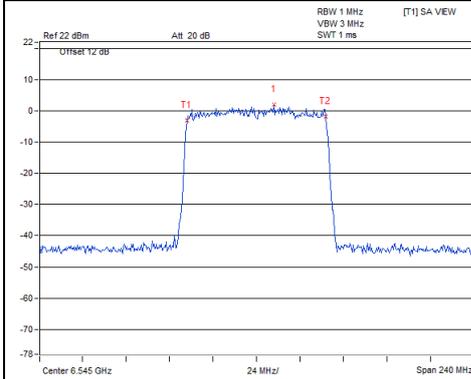


802.11ax (HE40)_Chain 3 / CH187

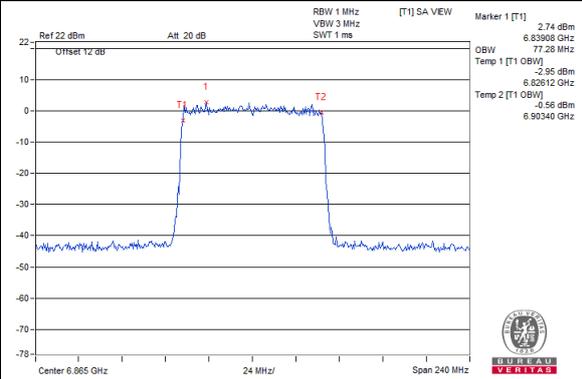


Spectrum Plot Value of OCP99% BW

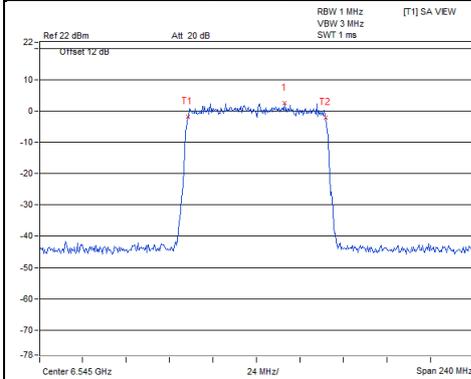
802.11ax (HE80)_Chain 0 / CH119



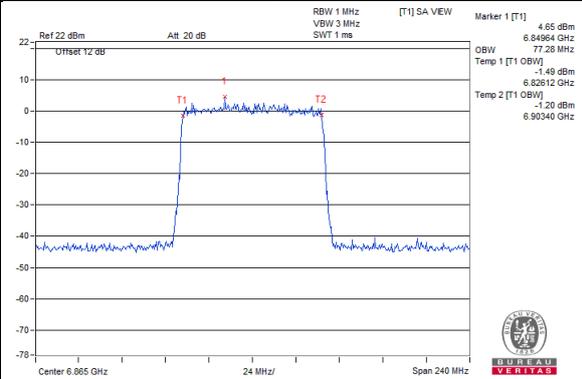
802.11ax (HE80)_Chain 0 / CH183



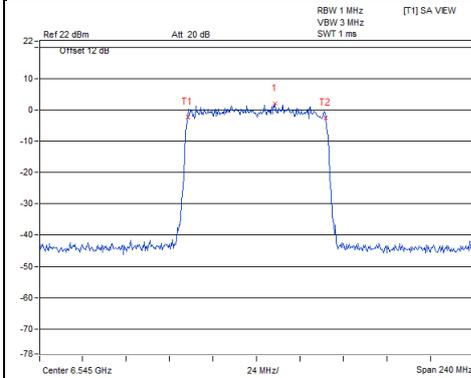
802.11ax (HE80)_Chain 1 / CH119



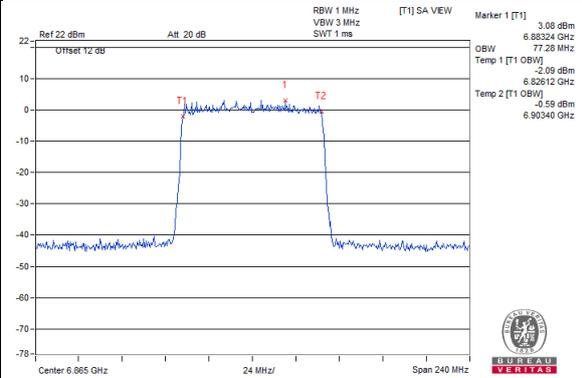
802.11ax (HE80)_Chain 1 / CH183



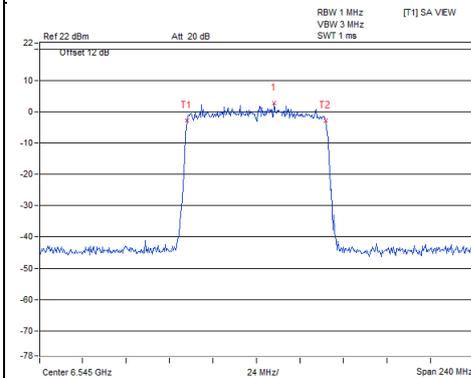
802.11ax (HE80)_Chain 2 / CH119



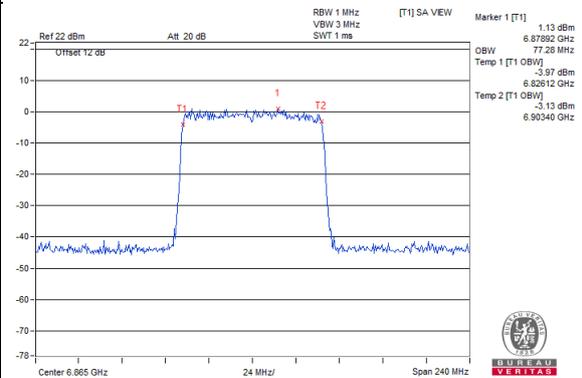
802.11ax (HE80)_Chain 2 / CH183



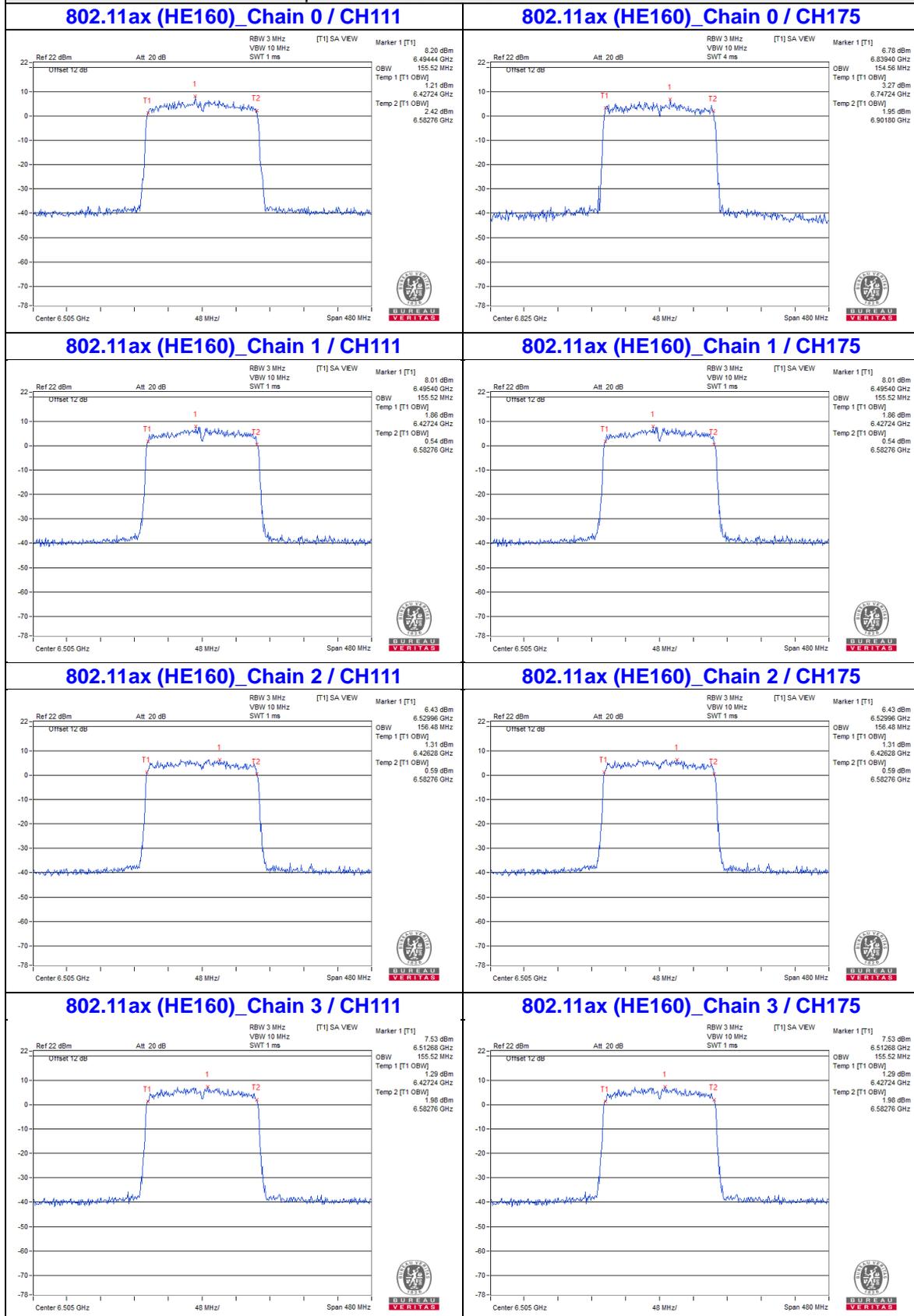
802.11ax (HE80)_Chain 3 / CH119



802.11ax (HE80)_Chain 3 / CH183



Spectrum Plot Value of OCP99% BW



Note:

- For U-NII-6 channel straddling 6525MHz bandwidth = 6525MHz - Temp 1
- For U-NII-7 channel straddling 6525MHz bandwidth = Temp 2 - 6525MHz
- For U-NII-7 channel straddling 6875MHz bandwidth = 6875MHz - Temp 1
- For U-NII-8 channel straddling 6875MHz bandwidth = Temp 2 - 6875MHz

26dB Bandwidth:
802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
33	6115	22.02	21.77	21.78	21.88	320
61	6255	21.95	21.95	21.88	21.95	320
93	6415	22.03	21.73	21.73	21.97	320
97	6435	21.93	21.91	21.79	21.89	320
105	6475	21.89	21.83	21.74	22.02	320
113	6515	21.9	21.96	21.79	22.08	320
117	6535	22.03	21.77	21.83	21.9	320
153	6715	22.1	21.93	21.72	21.97	320
181	6855	22.01	21.81	21.68	21.92	320
185 (U-NII-7 Band)	6875	11.04	11.04	10.92	10.85	320
185 (U-NII-8 Band)	6875	11.09	10.84	10.83	11.03	320
213	7015	22.16	21.73	21.55	22.08	320
229	7095	21.97	21.8	21.77	22.07	320
233	7115	21.88	21.66	21.69	21.72	320

For channel straddling 6875MHz:
Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
185	6875	22.13	21.88	21.75	21.88

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
35	6125	41.32	41.15	41.66	41.56	320
59	6245	41.48	41.38	41.59	41.42	320
91	6405	41.46	41.44	41.47	41.41	320
99	6445	41.5	41.46	41.4	41.33	320
107	6485	41.21	41.22	41.43	41.5	320
115 (U-NII-6 Band)	6525	20.7	20.64	20.68	20.65	320
115 (U-NII-7 Band)	6525	20.7	20.74	20.69	20.69	320
123	6565	41.46	41.35	41.46	41.34	320
155	6725	41.42	41.4	41.37	41.24	320
179	6845	41.36	41.39	41.44	41.46	320
187 (U-NII-7 Band)	6885	10.76	10.66	10.7	10.67	320
187 (U-NII-8 Band)	6885	30.73	30.68	30.65	30.72	320
211	7005	41.33	41.3	41.34	41.48	320
227	7085	41.44	41.38	41.28	41.42	320

For channel straddling 6525MHz & 6875MHz:

Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
115	6525	41.40	41.38	41.37	41.34
187	6885	41.49	41.34	41.35	41.39

802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
39	6145	82.39	82.42	82.39	82.51	320
55	6225	82.18	82.41	82.63	82.77	320
87	6385	82.48	82.38	82.43	82.69	320
103	6465	82.43	82.45	82.63	82.4	320
119 (U-NII-6 Band)	6545	21.02	21.19	21.1	21.17	320
119 (U-NII-7 Band)	6545	61.29	61.36	61.19	61.29	320
135	6625	82.35	82.43	82.77	82.34	320
151	6705	82.35	82.49	82.33	82.5	320
167	6785	82.38	82.47	82.59	82.32	320
183 (U-NII-7 Band)	6865	50.97	51.12	51.29	51.15	320
183 (U-NII-8 Band)	6865	31.28	31.25	31.07	31.47	320
199	6945	82.36	82.51	82.46	82.3	320
215	7025	82.37	82.55	82.52	82.67	320

For channel straddling 6525MHz & 6875MHz:
Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
119	6545	82.31	82.55	82.29	82.46
183	6865	82.25	82.37	82.36	82.62

802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		Chain0	Chain1	Chain2	Chain3	Limit (MHz)
47	6185	168.32	167.29	167	167.87	320
79	6345	167.67	167.56	167.45	167.98	320
111 (U-NII-6 Band)	6505	103.97	103.74	103.79	103.2	320
111 (U-NII-7 Band)	6505	64.12	64.09	63.93	64.21	320
143	6665	167.56	167.8	167.49	167.76	320
175 (U-NII-7 Band)	6825	134.21	133.18	133.42	133.55	320
175 (U-NII-8 Band)	6825	33.87	33.64	33.14	33.92	320
207	6985	167.65	167.14	166.61	166.37	320

For channel straddling 6525MHz & 6875MHz:

Total Values

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
111	6505	168.09	167.83	167.72	167.41
175	6825	168.08	167.83	167.72	167.41